M67001.AR.004706
MCB CAMP LEJEUNE
5090.3a

FINAL EXPANDED SOIL BACKGROUND STUDY REPORT PART 2 OF 2 MCB CAMP LEJEUNE NC

08/01/2011

CH2M HILL

METHOD: ALT-P4Q2 SAMPLE NAME: 1005133-09 OPERATOR:
RUN TIME: 06/11/10 19:12:43
COMMENT: SDG:1005133 CLIENTID:SB61-6-7 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3994522	150172.0	122.5198	1.584421	1252.492	2.152958	5.356564
SDEV	.1885724	947.0	.4436	.133777	4.964	.278282	.242284
%RSD	47.20775	.6306024	.3620917	8.443256	.3963353	12.92558	4.523117
#1	.6162977	151222.8	122.0128	1.687164	1251.992	1.952496	5.392919
#2	.3081488	149384.7	122.8365	1.632945	1257.687	2.470679	5.578616
#3	.2739101	149908.6	122.7102	1.433154	1247.797	2.035698	5.098157
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	123.1220	12.59172	26383.22	6601.265	3972.219	81.16515	571.4608
SDEV	.8628	.04275	109.44	9.149	19.256	.65572	61.3333
%RSD	.7007693	.3394884	.4147913	.1385960	.4847770	.8078837	10.73272
#1	122.9295	12.60788	26401.19	6606.536	3988.549	81.18269	638.1602
#2	122.3717	12.62404	26482.55	6590.700	3977.124	81.81194	558.7310
#3	124.0648	12.54325	26265.91	6606.558	3950.985	80.50085	517.4914
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	22.32415	-.551434	134.8796	48.08834	43.25386	2.014223	13.19424
SDEV	1.01863	2.406716	1.0444	.64551	.51197	2.289105	1.88694
%RSD	4.562901	436.4471	.7742986	1.342337	1.183644	113.6471	14.30121
#1	21.60790	1.868395	136.0732	47.96246	42.77254	2.711513	14.45370
#2	23.49027	-.577877	134.1340	48.78752	43.79178	-.542440	14.10427
#3	21.87429	-2.94482	134.4315	47.51505	43.19727	3.873595	11.02476
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	4.515000	42.10769	43.82280	-16.7961	11.40264	17.77289	.1278470
SDEV	3.475410	3.32710	.95956	2.9558	3.43796	2.73180	.7871862
%RSD	76.97475	7.901405	2.189628	17.59796	30.15059	15.37062	615.7250
#1	2.286547	38.44704	44.92874	-13.3881	10.74661	17.63081	.5341028
#2	8.519550	44.94762	43.21141	-18.3392	8.339958	15.11490	-.779468
#3	2.738902	42.92840	43.32823	-18.6609	15.12135	20.57296	.6289061
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.223208	1173.080	4584.511
SDEV	.239805	5.050	24.779
%RSD	19.60460	.4304690	.5405018
#1	1.309543	1175.961	4568.667
#2	.9521897	1176.029	4571.800
#3	1.407892	1167.249	4613.066
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005133-10 OPERATOR:
RUN TIME: 06/11/10 19:19:52
COMMENT: SDG:1005133 CLIENTID:SB61D-6-7 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.273910	114615.4	108.5039	1.581794	1076.362	1.515633	4.927008
SDEV	.731941	1290.4	1.5640	.187326	18.700	.340986	.478137
%RSD	267.2195	1.125823	1.441399	11.84264	1.737312	22.49794	9.704408
#1	-.034239	113160.1	106.7085	1.644164	1076.795	1.908245	5.195309
#2	.3081488	115619.8	109.2325	1.371238	1094.841	1.293568	5.210741
#3	-1.09564	115066.2	109.5706	1.729978	1057.449	1.345087	4.374975
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	101.0350	12.41938	23560.93	5398.563	3331.416	74.22951	475.7335
SDEV	1.1120	.20775	365.89	145.636	27.420	.93372	88.6065
%RSD	1.100646	1.672795	1.552938	2.697673	.8230667	1.257879	18.62523
#1	101.0986	12.33321	23588.48	5276.242	3321.055	74.07095	539.1591
#2	102.1139	12.65635	23912.27	5359.784	3362.506	75.23235	513.5477
#3	99.89258	12.26858	23182.06	5559.663	3310.686	73.38522	374.4937
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	18.49972	-3.88522	119.5272	38.93657	41.39603	1.985129	11.82895
SDEV	.56965	2.33396	2.3240	1.19773	.90717	3.392969	2.00506
%RSD	3.079216	60.07266	1.944336	3.076094	2.191446	170.9193	16.95041
#1	18.16157	-4.82927	119.3093	38.62787	40.58730	4.410221	10.34015
#2	19.15740	-1.22712	121.9524	40.25843	41.22384	-1.89227	11.03783
#3	18.18018	-5.59927	117.3198	37.92342	42.37696	3.437436	14.10888
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.9696257	33.91321	45.12870	-23.0094	14.46096	13.71760	-2.36226
SDEV	1.504462	10.06618	6.34414	13.4799	8.55613	3.51929	2.91041
%RSD	155.1590	29.68219	14.05788	58.58438	59.16710	25.65529	123.2042
#1	-.506454	40.50695	40.62444	-11.0770	12.13958	14.51100	-2.85188
#2	2.500948	38.90609	42.37765	-20.3199	7.305056	16.77246	.7619005
#3	.9143826	22.32659	52.38401	-37.6313	23.93824	9.869332	-4.99681
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.613636	1059.975	4504.400
SDEV	.409759	8.664	106.876
%RSD	25.39352	.8173363	2.372702
#1	1.775574	1051.616	4585.400
#2	1.917679	1068.914	4544.533
#3	1.147655	1059.393	4383.267
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005133-11 OPERATOR:
RUN TIME: 06/11/10 19:29:48
COMMENT: SDG:1005133 CLIENTID:SS67-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4907555	28901.66	41.76503	1.389656	11079.42	.8320795	2.457532
SDEV	.2092023	469.59	.54530	.124499	71.03	.0724217	.553632
%RSD	42.62861	1.624789	1.305635	8.958960	.6411406	8.703704	22.52796
#1	.7190139	29421.85	42.30455	1.463189	11113.65	.7555502	3.045394
#2	.3081488	28509.02	41.21413	1.245910	10997.75	.8995392	1.946065
#3	.4451039	28774.11	41.77641	1.459870	11126.85	.8411491	2.381138
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	37.72026	37.56513	12360.99	1962.462	9478.139	43.51566	21686.79
SDEV	.69868	.33942	75.02	45.230	23.592	.11612	255.27
%RSD	1.852258	.9035628	.6069056	2.304757	.2489142	.2668562	1.177080
#1	36.99612	37.90981	12348.81	2007.124	9496.411	43.41779	21924.52
#2	37.77434	37.23122	12292.81	1916.685	9451.504	43.48522	21417.00
#3	38.39033	37.55436	12441.36	1963.577	9486.500	43.64397	21718.84
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	9.045937	-7.62473	50.40520	38.32819	119.0116	2.754675	13.38156
SDEV	.721860	3.16455	.85643	.39037	1.3126	1.053536	.23215
%RSD	7.979939	41.50379	1.699081	1.018492	1.102914	38.24539	1.734866
#1	8.798952	L-11.2123	51.38799	38.08244	117.6451	1.844369	13.15762
#2	8.479986	-5.22988	49.81868	38.12381	120.2627	3.908717	13.36592
#3	9.858871	-6.43200	50.00892	38.77832	119.1269	2.510940	13.62113
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	5.788667	127.9693	114.5364	-19.8371	14.03094	19.89383	-.701460
SDEV	.892526	.9217	1.7143	1.7199	1.62881	.36473	.258383
%RSD	15.41850	.7202263	1.496761	8.670015	11.60869	1.833364	36.83498
#1	6.788925	127.0058	112.9687	-21.4415	13.46711	20.22377	-.550496
#2	5.073562	128.0597	116.3670	-20.0486	15.86674	19.95553	-.999807
#3	5.503514	128.8425	114.2734	-18.0213	12.75896	19.50219	-.554076
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.918497	589.8195	4474.066
SDEV	.076878	1.6759	37.456
%RSD	4.007212	.2841389	.8371804
#1	1.983064	591.7302	4433.533
#2	1.938973	588.5981	4507.400
#3	1.833453	589.1303	4481.267
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005133-12 OPERATOR:
RUN TIME: 06/11/10 19:36:56
COMMENT: SDG:1005133 CLIENTID:SS72-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.114129	30600.12	115.5841	.5083084	2963.168	1.177234	2.804967
SDEV	.222771	435.11	1.8971	.3671246	14.347	.246708	.780431
%RSD	195.1922	1.421913	1.641358	72.22477	.4841946	20.95661	27.82317
#1	.1027163	31067.98	117.7675	.9320598	2979.484	1.335957	3.658413
#2	-.342388	30524.76	114.3383	.2861092	2957.496	1.302739	2.127655
#3	-.102716	30207.60	114.6466	.3067563	2952.523	.8930058	2.628833
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	35.74232	9.182588	16371.31	-60.7204	1171.800	115.8510	431.0163
SDEV	.48954	.070427	132.88	27.0802	14.042	.9125	74.0001
%RSD	1.369645	.7669571	.8116934	44.59823	1.198370	.7876380	17.16874
#1	35.30723	9.150273	16521.82	-29.4870	1187.757	116.4784	450.6131
#2	35.64733	9.263372	16270.21	-75.0343	1166.311	114.8042	349.1903
#3	36.27240	9.134117	16321.90	-77.6397	1161.330	116.2704	493.2456
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	10.98226	-8.11697	51.71195	36.55617	31.15440	.9180725	10.63091
SDEV	1.12353	1.74903	.40425	.39670	.25962	2.457346	1.14979
%RSD	10.23038	21.54787	.7817356	1.085175	.8333412	267.6636	10.81553
#1	11.56248	-8.25424	52.12376	36.77222	30.90593	-1.83272	9.349099
#2	9.687256	-6.30335	51.69639	36.09834	31.42390	1.690629	11.57138
#3	11.69706	-9.79333	51.31570	36.79794	31.13337	2.896307	10.97224
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	6.085673	38.04525	27.71126	-20.1084	11.41300	17.74482	-.486590
SDEV	.479483	2.88071	1.82332	4.6771	2.47542	1.19125	1.415911
%RSD	7.878884	7.571802	6.579692	23.25944	21.68946	6.713243	290.9865
#1	6.453547	41.07044	25.82836	-23.1565	8.810557	18.81284	.7337753
#2	5.543399	35.33488	29.46849	-22.4454	13.73802	17.96154	-.154522
#3	6.260074	37.73044	27.83694	-14.7234	11.69042	16.46009	-2.03902
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.312383	996.7408	4727.244
SDEV	.817555	14.4059	88.081
%RSD	62.29544	1.445301	1.863264
#1	.6988319	1011.694	4625.933
#2	.9978192	995.5755	4770.133
#3	2.240497	982.9529	4785.667
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005133-13 OPERATOR:
RUN TIME: 06/11/10 19:44:05
COMMENT: SDG:1005133 CLIENTID:SB72-2-3 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.365213	106475.0	110.5254	1.349060	1999.208	2.761877	5.290565
SDEV	.377145	501.0	.7555	.110772	24.170	.236040	.652543
%RSD	103.2669	.4705643	.6835850	8.211040	1.208958	8.546375	12.33409
#1	.0684775	106402.0	110.1416	1.387579	2014.173	2.569608	6.011369
#2	-.616298	107008.5	110.0388	1.224171	2012.127	2.690712	5.120280
#3	-.547820	106014.5	111.3958	1.435431	1971.324	3.025312	4.740047
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	114.8378	13.69579	56280.04	3702.271	3527.101	102.3640	427.1712
SDEV	1.8708	.08291	610.84	50.235	34.387	1.7061	113.7295
%RSD	1.629096	.6053797	1.085351	1.356856	.9749259	1.666745	26.62388
#1	114.5106	13.78735	56512.62	3660.134	3539.639	101.8143	555.2372
#2	116.8507	13.67425	56740.41	3688.818	3553.460	104.2772	337.9641
#3	113.1522	13.62578	55587.07	3757.863	3488.205	101.0004	388.3123
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	26.85983	-1.38098	166.6042	50.95342	51.71835	3.829163	12.03854
SDEV	.77344	1.49200	4.6610	1.38676	.25957	.567646	.83894
%RSD	2.879553	108.0392	2.797675	2.721631	.5018839	14.82429	6.968793
#1	27.72115	-1.46098	169.3912	52.28066	52.01505	3.800164	11.34375
#2	26.22468	-2.83136	169.1982	51.06564	51.53323	4.410752	12.97055
#3	26.63368	.1494102	161.2232	49.51395	51.60678	3.276572	11.80132
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	15.72834	47.50565	53.81853	-16.5339	13.99285	19.94663	-.465395
SDEV	1.16584	3.03343	1.14877	1.2665	1.15676	1.03843	1.570756
%RSD	7.412363	6.385408	2.134529	7.659948	8.266797	5.206045	337.5099
#1	14.61522	50.66823	52.68456	-15.0892	13.22814	20.55532	1.347362
#2	15.62922	44.62042	54.98155	-17.4530	15.32363	18.74760	-1.42381
#3	16.94058	47.22829	53.78948	-17.0596	13.42679	20.53697	-1.31974
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	3.352182	1237.467	4674.933
SDEV	1.270359	6.722	26.729
%RSD	37.89649	.5431765	.5717583
#1	4.721942	1242.061	4699.800
#2	3.121870	1240.587	4678.333
#3	2.212735	1229.752	4646.667
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005133-14 OPERATOR:
RUN TIME: 06/11/10 19:51:14
COMMENT: SDG:1005133 CLIENTID:SS88-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.079890	116693.3	235.8861	2.430962	16999.87	4.668649	-.119343
SDEV	.366104	2417.7	4.2094	.254670	396.41	.386773	.596561
%RSD	458.2576	2.071860	1.784519	10.47610	2.331845	8.284467	499.8716
#1	.3423876	119129.6	240.1254	2.618387	17453.63	4.864520	.5692720
#2	-.273910	116655.8	235.8257	2.533491	16825.09	4.223124	-.448096
#3	-.308149	114294.6	231.7072	2.141008	16720.88	4.918304	-.479204
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	152.9299	22.77066	82962.12	4270.079	4530.123	108.7969	643.7603
SDEV	2.2690	.35213	1529.61	86.596	87.871	.9754	54.2355
%RSD	1.483670	1.546437	1.843740	2.027963	1.939715	.8965111	8.424798
#1	155.2598	23.17459	84577.65	4317.799	4608.093	109.6069	702.3663
#2	152.8026	22.60909	82772.63	4322.316	4547.370	109.0694	633.5749
#3	150.7272	22.52831	81536.09	4170.121	4434.907	107.7142	595.3395
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	23.37872	.4816869	230.7094	142.3538	203.4486	2.429324	13.02306
SDEV	.39869	2.297053	5.6755	3.7847	3.1796	3.798674	1.47819
%RSD	1.705345	476.8769	2.460027	2.658658	1.562869	156.3675	11.35060
#1	23.40795	1.693848	236.8455	146.6125	206.5111	-1.94989	14.13373
#2	23.76199	-2.16754	229.6344	141.0739	203.6712	4.402600	13.59016
#3	22.96622	1.918755	225.6482	139.3750	200.1636	4.835261	11.34528
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	29.19896	202.5529	203.8925	-14.0033	10.63060	20.27494	.4915915
SDEV	1.31426	9.5416	.4054	1.6161	4.95768	3.76065	.4367595
%RSD	4.501065	4.710686	.1988090	11.54092	46.63594	18.54826	88.84603
#1	28.70068	212.2263	203.6545	-15.6877	4.906025	24.54719	.6857744
#2	30.68951	202.2836	204.3605	-13.8565	13.51574	18.81219	.7975864
#3	28.20670	193.1487	203.6624	-12.4655	13.47004	17.46545	-.008586
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	3.492270	632.8719	4484.289
SDEV	1.302176	13.2153	56.337
%RSD	37.28738	2.088151	1.256327
#1	4.905284	648.0860	4450.866
#2	2.340559	626.2868	4452.667
#3	3.230967	624.2430	4549.333
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005133-15 OPERATOR:
RUN TIME: 06/11/10 19:58:22
COMMENT: SDG:1005133 CLIENTID:SB88-2.5-3.5 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.011413	124245.4	155.5638	1.423188	849.1464	3.453479	-.136565
SDEV	.168896	1430.9	2.3248	.208408	3.9875	.033804	.308954
%RSD	1479.865	1.151635	1.494429	14.64374	.4695855	.9788283	226.2326
#1	.0684775	125618.3	155.7057	1.618262	848.5143	3.485754	.2169552
#2	.1027163	122762.9	153.1713	1.203613	845.5128	3.456352	-.354803
#3	-.205433	124354.9	157.8144	1.447690	853.4122	3.418330	-.271847
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	178.3408	12.25781	73170.23	4989.260	4174.802	79.22169	636.3327
SDEV	3.5136	.29143	992.64	67.335	62.036	1.09712	54.4025
%RSD	1.970172	2.377464	1.356618	1.349608	1.485969	1.384874	8.549381
#1	181.0285	11.97776	73786.68	5062.715	4206.360	80.23994	692.6672
#2	174.3649	12.55941	72025.15	4930.457	4103.331	78.05984	584.0936
#3	179.6291	12.23627	73698.86	4974.609	4214.714	79.36530	632.2373
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	17.50512	-1.26148	428.6045	50.36893	70.28854	4.435700	10.79483
SDEV	.75186	1.88832	4.0104	.61725	.71457	1.513730	1.87324
%RSD	4.295114	149.6909	.9356951	1.225460	1.016627	34.12607	17.35313
#1	16.99147	-1.75217	431.8725	50.78845	70.49744	6.183441	12.85854
#2	18.36810	-2.85601	424.1291	49.66017	69.49281	3.541054	9.201866
#3	17.15579	.8237495	429.8120	50.65816	70.87539	3.582606	10.32408
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	45.24223	66.90104	71.97658	-13.6428	13.45883	19.43108	.7368292
SDEV	2.69657	2.19522	.56620	3.2913	.63054	1.97790	1.325664
%RSD	5.960300	3.281296	.7866439	24.12504	4.684987	10.17904	179.9147
#1	47.50766	66.21948	72.62999	-9.84737	14.18425	21.52023	1.351430
#2	45.95947	65.12744	71.66908	-15.7109	13.15006	17.58734	-.784590
#3	42.25954	69.35620	71.63066	-15.3700	13.04218	19.18568	1.643648
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	19.43526	696.3700	4745.222
SDEV	.85340	5.3082	54.175
%RSD	4.390985	.7622740	1.141674
#1	19.32070	694.7891	4691.600
#2	20.34014	692.0317	4799.933
#3	18.64492	702.2891	4744.133
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV1 OPERATOR:
RUN TIME: 06/11/10 20:05:30
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	108.1146	47205.22	962.3384	1025.527	49811.32	1001.465	1017.112
SDEV	.6363	227.86	6.0886	3.361	139.19	2.327	8.783
%RSD	.5885093	.4827051	.6326919	.3277138	.2794388	.2323372	.8635516
#1	108.6396	46951.77	959.1093	1024.476	49825.18	999.9390	1008.808
#2	108.2972	47393.12	958.5446	1029.287	49943.07	1000.313	1016.222
#3	107.4070	47270.77	969.3614	1022.817	49665.72	1004.143	1026.306
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	989.1594	1038.984	25028.92	49890.55	50691.04	1010.362	50159.54
SDEV	7.0326	1.002	80.70	288.35	307.18	10.566	142.65
%RSD	.7109702	.0964020	.3224361	.5779595	.6059887	1.045730	.2843837
#1	981.0894	1038.839	24950.74	49570.47	50371.19	998.8898	49995.27
#2	992.4100	1040.051	25024.09	49971.19	50718.18	1012.503	50231.33
#3	993.9786	1038.063	25111.93	50129.99	50983.75	1019.693	50252.04
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	995.8837	981.0371	997.5865	1100.753	991.9434	992.8589	1008.098
SDEV	3.4487	6.6170	7.8716	1.764	2.2520	4.2732	7.151
%RSD	.3462945	.6744900	.7890608	.1602854	.2270273	.4303901	.7093166
#1	993.4448	975.1625	992.7463	1100.488	991.2955	987.9884	1001.500
#2	994.3771	988.2054	993.3441	1099.137	990.0864	994.6096	1007.098
#3	999.8294	979.7434	1006.669	1102.636	994.4483	995.9787	1015.696
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1019.158	986.2701	994.7730	992.2914	993.1399	1035.822	993.3502
SDEV	3.920	4.2886	5.4211	4.0490	5.9077	4.921	1.5625
%RSD	.3846287	.4348347	.5449601	.4080487	.5948469	.4750372	.1572936
#1	1014.791	989.2107	992.3336	989.7807	987.0913	1035.792	992.6551
#2	1022.372	988.2506	991.0001	996.9625	993.4326	1030.917	995.1396
#3	1020.312	981.3492	1000.985	990.1311	998.8958	1040.758	992.2559
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1031.495	983.2175	4798.177
SDEV	6.545	3.1629	27.786
%RSD	.6344758	.3216856	.5790861
#1	1026.006	985.8283	4826.533
#2	1029.742	984.1238	4796.999
#3	1038.738	979.7004	4770.999
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB1 OPERATOR:
RUN TIME: 06/11/10 20:12:40
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1483680	34.87820	.3071310	.7610590	379.4433	.0973227	.4370276
SDEV	.6755832	9.73189	.2553020	.4111464	8.9400	.2538873	.4620233
%RSD	455.3430	27.90251	83.12478	54.02293	2.356084	260.8717	105.7195
#1	-.308149	32.70850	.0678232	.7729588	369.8860	-.193586	.0161596
#2	-.171194	45.51182	.5758752	1.166126	387.6008	.2113449	.9313949
#3	.9244465	26.41428	.2776946	.3440919	380.8432	.2742088	.3635284
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.014136	.4254685	27.58334	-1423.44	14.87940	.5517824	38.11991
SDEV	1.620932	.4945746	30.97066	23.26	12.31091	.2969886	165.7554
%RSD	80.47778	116.2424	112.2803	1.633890	82.73795	53.82350	434.8263
#1	.7625528	-.091557	-2.29350	-1447.13	.6648843	.2112299	-134.865
#2	1.434699	.4739395	25.50080	-1400.64	21.84814	.6871273	195.5497
#3	3.845155	.8940229	59.54272	-1422.56	22.12518	.7569902	53.67454
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.331271	4.080324	.3317622	2.302187	.4189903	.7194089	4.995400
SDEV	.905360	.401602	.6927398	1.122133	.5343513	.4430447	3.376774
%RSD	68.00718	9.842410	208.8061	48.74205	127.5331	61.58454	67.59768
#1	.9043978	4.317289	-.419698	1.556011	.7494850	.3449411	3.784861
#2	.7182636	4.307052	.4700694	1.757888	.7049760	1.208502	2.390755
#3	2.371153	3.616631	.9449148	3.592662	-.197490	.6047835	8.810584
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.779214	-2.93629	2.091486	-5.02147	3.582914	1.321303	2.363653
SDEV	1.406778	5.23590	1.841548	4.85337	2.176088	2.246967	3.196209
%RSD	79.06739	178.3167	88.04971	96.65234	60.73515	170.0569	135.2233
#1	1.409502	-.912096	1.576341	-3.70297	2.363174	-.806364	-.554837
#2	.5942133	.9853313	.5623679	-.963582	2.290276	3.671074	5.779314
#3	3.333929	-8.88211	4.135751	-10.3978	6.095292	1.099199	1.866480
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.147608	.7138830	4590.377
SDEV	.731022	.5541769	114.541
%RSD	63.69964	77.62853	2.495236
#1	1.102607	.2292655	4487.733
#2	1.900092	.5942919	4569.466
#3	.4401263	1.318091	4713.933
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005133-16 OPERATOR:
RUN TIME: 06/11/10 20:19:48
COMMENT: SDG:1005133 CLIENTID:SS76-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1369550	36055.31	108.9318	1.225252	11159.12	1.353144	1.929569
SDEV	.1711938	377.69	.4641	.288894	48.98	.155858	.377937
%RSD	125.0000	1.047525	.4260616	23.57831	.4389179	11.51819	19.58659
#1	.1369550	36487.03	109.1040	1.529626	11156.12	1.231352	1.626417
#2	.3081488	35785.94	109.2852	1.191288	11111.71	1.299294	1.809281
#3	-.034239	35892.95	108.4062	.9548414	11209.53	1.528786	2.353010
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	34.12508	11.99930	14732.09	51.09633	1433.197	163.1745	520.8194
SDEV	.77507	.04066	184.04	29.88763	19.305	2.8138	65.0485
%RSD	2.271272	.3388600	1.249251	58.49272	1.347005	1.724439	12.48965
#1	34.78146	11.96160	14942.63	84.99521	1454.247	166.4237	535.5744
#2	33.27000	11.99391	14601.76	39.75222	1429.023	161.5605	577.2230
#3	34.32378	12.04238	14651.90	28.54155	1416.320	161.5394	449.6608
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	11.40462	-4.46386	46.50502	40.69467	58.95274	2.950487	12.80099
SDEV	.41844	.71649	.81949	.11389	1.48120	1.066824	1.04431
%RSD	3.669057	16.05084	1.762151	.2798621	2.512518	36.15756	8.158054
#1	11.88280	-4.66393	47.10693	40.64786	58.74696	4.030976	14.00404
#2	11.10549	-5.05904	45.57173	40.82451	60.52607	2.922611	12.12815
#3	11.22558	-3.66860	46.83640	40.61166	57.58519	1.897875	12.27077
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	10.81087	65.00246	55.92948	-17.8394	13.32727	18.27240	.7308679
SDEV	1.13762	2.31856	1.36664	1.2001	2.19841	1.31774	.5104466
%RSD	10.52297	3.566879	2.443506	6.726966	16.49556	7.211636	69.84116
#1	10.52911	63.35496	56.44343	-19.0389	15.54597	19.66202	1.192907
#2	12.06290	67.65379	56.96464	-17.8407	13.28611	18.11441	.1829165
#3	9.840602	63.99864	54.38038	-16.6388	11.14973	17.04078	.8167803
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.551588	486.5378	4642.822
SDEV	.356721	3.5658	67.631
%RSD	22.99071	.7328868	1.456671
#1	1.668286	489.9855	4566.133
#2	1.151134	482.8646	4668.400
#3	1.835345	486.7631	4693.933
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005133-17 OPERATOR:
RUN TIME: 06/11/10 20:26:57
COMMENT: SDG:1005133 CLIENTID:SB76-6-7 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.502168	139036.5	188.5360	2.787796	1362.359	13.61947	-28.5354
SDEV	.308782	410.3	1.3025	.258805	6.327	.39703	.1351
%RSD	61.48977	.2950978	.6908699	9.283488	.4643792	2.915187	.4733585
#1	-.479343	138819.8	187.2968	3.078833	1355.130	13.17551	-28.3800
#2	-.821730	138780.0	189.8937	2.701038	1365.059	13.94051	-28.6015
#3	-.205433	139509.7	188.4176	2.583516	1366.887	13.74237	-28.6247
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	276.4148	38.77152	358449.1	10167.84	5654.377	142.0744	481.6794
SDEV	.7732	.13741	1067.0	54.55	24.398	.3284	88.9070
%RSD	.2797108	.3544177	.2976673	.5365146	.4314883	.2311442	18.45772
#1	276.5860	38.71767	359324.0	10230.62	5665.526	142.4408	509.9078
#2	275.5704	38.66920	357260.4	10140.94	5626.397	141.9759	553.0453
#3	277.0880	38.92771	358762.9	10131.97	5671.209	141.8066	382.0853
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	20.20325	14.16642	457.4016	85.97452	110.5551	9.738671	8.249270
SDEV	.62209	3.57389	2.4615	.41160	.6943	1.063131	.212369
%RSD	3.079140	25.22787	.5381404	.4787440	.6280497	10.91659	2.574395
#1	19.89038	18.07330	458.4785	85.52255	109.7906	9.249800	8.004153
#2	19.79971	13.36401	454.5853	86.32781	111.1466	10.95830	8.365610
#3	20.91967	11.06195	459.1412	86.07319	110.7281	9.007915	8.378048
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	77.52972	81.09239	125.2610	12.64249	8.286281	17.42609	3.810053
SDEV	1.06846	2.90398	1.1758	3.50369	2.525156	.40284	.826370
%RSD	1.378130	3.581078	.9387098	27.71365	30.47394	2.311733	21.68921
#1	78.76130	78.37208	125.4729	9.191799	9.276077	17.59466	3.881392
#2	76.97722	80.75460	126.3164	12.53878	10.16659	16.96634	4.598441
#3	76.85062	84.15050	123.9936	16.19689	5.416168	17.71726	2.950326
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	17.25788	1280.651	4551.800
SDEV	.77371	2.763	29.175
%RSD	4.483230	.2157679	.6409473
#1	17.35046	1283.580	4518.133
#2	16.44204	1278.091	4567.600
#3	17.98113	1280.281	4569.667
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005133-18 OPERATOR:
RUN TIME: 06/11/10 20:34:05
COMMENT: SDG:1005133 CLIENTID:SS87-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.296736	81757.37	80.22292	1.082816	1261.878	1.271620	2.166222
SDEV	.158142	1111.02	1.00901	.127009	5.933	.148483	.281347
%RSD	53.29386	1.358923	1.257755	11.72952	.4701346	11.67670	12.98791
#1	-.205433	80482.27	79.63686	1.018123	1260.280	1.115952	2.395410
#2	-.479343	82272.60	79.64388	1.001178	1268.445	1.411686	1.852227
#3	-.205433	82517.23	81.38802	1.229147	1256.908	1.287223	2.251028
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	106.4798	3.872305	11067.40	1096.519	2147.115	53.47253	580.9001
SDEV	1.2183	.033633	45.37	45.157	13.489	.49208	44.1138
%RSD	1.144151	.8685610	.4099187	4.118182	.6282378	.9202417	7.594046
#1	105.0837	3.899233	11016.87	1055.234	2131.545	52.92234	627.7576
#2	107.3275	3.883077	11104.64	1089.579	2155.257	53.62471	540.1708
#3	107.0282	3.834606	11080.68	1144.743	2154.544	53.87054	574.7717
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	11.24019	-3.68148	101.1134	22.29262	65.20825	8.143589	11.53603
SDEV	.83401	1.08640	1.2529	.51528	1.06132	1.744054	1.54668
%RSD	7.419890	29.51003	1.239130	2.311418	1.627583	21.41628	13.40738
#1	12.20303	-3.89810	99.79086	22.82836	65.49622	10.03542	12.17678
#2	10.77571	-2.50308	102.2826	22.24890	66.09586	6.599796	12.65936
#3	10.74184	-4.64325	101.2667	21.80060	64.03266	7.795552	9.771946
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	12.73375	65.84576	64.88706	-15.8733	20.13160	19.47525	-.106579
SDEV	3.64473	2.29886	1.41315	4.6737	.97882	1.43280	1.123990
%RSD	28.62260	3.491275	2.177864	29.44375	4.862114	7.357036	1054.603
#1	15.12958	68.38590	64.05068	-10.4794	20.27501	21.11383	.9059393
#2	14.53234	65.24320	66.51865	-18.4210	19.08898	18.85397	-1.31601
#3	8.539326	63.90821	64.09184	-18.7197	21.03080	18.45795	.0903375
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.494500	368.8520	4673.822
SDEV	.794940	1.7651	70.567
%RSD	53.19100	.4785361	1.509835
#1	2.269191	366.8337	4738.133
#2	.6807515	370.1069	4684.999
#3	1.533558	369.6154	4598.333
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005133-19 OPERATOR:
RUN TIME: 06/11/10 20:41:14
COMMENT: SDG:1005133 CLIENTID:SB87-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1483680	197854.8	162.8435	2.231824	1556.929	4.394550	3.519243
SDEV	.4056005	4946.0	1.7493	.321370	31.992	.461747	.273213
%RSD	273.3747	2.499796	1.074232	14.39942	2.054817	10.50727	7.763393
#1	.6162977	200800.5	163.3526	2.588122	1549.920	4.329941	3.732099
#2	-.102716	192144.6	160.8961	2.143492	1529.023	4.885199	3.211161
#3	-.068478	200619.2	164.2818	1.963858	1591.845	3.968510	3.614469
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	217.5810	6.942143	64104.23	7178.040	6328.554	93.85518	648.5632
SDEV	5.7389	.145713	1283.55	178.145	130.638	1.58134	47.2231
%RSD	2.637614	2.098959	2.002292	2.481808	2.064262	1.684871	7.281188
#1	217.6715	6.791344	64203.12	7357.783	6372.301	93.90488	703.0256
#2	211.7973	6.952915	62774.09	7001.537	6181.657	92.24958	623.6572
#3	223.2741	7.082172	65335.48	7174.799	6431.705	95.41109	619.0068
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	28.28606	.6053340	303.8261	71.86610	71.71003	7.434496	12.21283
SDEV	.14047	4.309094	8.1758	1.29724	2.43406	2.461473	1.76409
%RSD	.4966226	711.8539	2.690949	1.805079	3.394303	33.10882	14.44458
#1	28.13962	1.422928	307.4855	70.99304	71.42253	4.620060	11.22000
#2	28.29885	-4.05399	294.4598	71.24853	69.43250	9.185323	11.16887
#3	28.41970	4.447060	309.5330	73.35675	74.27507	8.498104	14.24961
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	15.09853	68.20986	73.45425	-10.8746	16.57274	20.94030	2.414529
SDEV	1.40798	4.64787	3.92153	8.0200	5.28509	1.34012	1.521212
%RSD	9.325269	6.814079	5.338741	73.75011	31.89027	6.399718	63.00242
#1	15.41140	73.33710	70.46339	-12.6987	13.26380	22.00434	4.138049
#2	16.32376	64.27281	72.00530	-17.8256	22.66798	21.38130	1.846358
#3	13.56043	67.01967	77.89408	-2.09967	13.78645	19.43525	1.259180
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.255513	682.1680	4664.822
SDEV	1.279354	12.6607	88.949
%RSD	56.72123	1.855948	1.906794
#1	3.559781	686.9189	4578.600
#2	1.002620	667.8190	4756.267
#3	2.204137	691.7660	4659.600
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005133-20 OPERATOR:
RUN TIME: 06/11/10 20:48:22
COMMENT: SDG:1005133 CLIENTID:SS68-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3766263	2011.969	36.19763	.4334140	1649.106	.5993893	2.041911
SDEV	.3623490	16.828	.27751	.2871295	6.538	.1972870	.441009
%RSD	96.20914	.8363879	.7666652	66.24831	.3964776	32.91467	21.59783
#1	-.034239	2026.133	36.10401	.6499879	1643.985	.6689693	2.320381
#2	.6505364	2016.408	36.50985	.5425325	1656.471	.7524585	2.271905
#3	.5135814	1993.367	35.97903	.1077216	1646.863	.3767399	1.533448
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	6.082779	2.913654	847.9529	L-1221.28	283.3357	17.29997	579.9583
SDEV	.158627	.085495	9.0115	5.99	2.8893	.19546	93.9132
%RSD	2.607810	2.934295	1.062737	.4902514	1.019746	1.129853	16.19310
#1	6.003187	2.945968	847.1276	L-1214.56	285.3803	17.28643	682.1257
#2	5.979707	2.816711	857.3486	L-1223.22	284.5965	17.50185	497.3934
#3	6.265444	2.978282	839.3824	L-1226.06	280.0302	17.11163	560.3557
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.560278	-4.92332	4.872979	19.03197	15.49798	1.617206	11.27616
SDEV	.213112	1.40059	.547796	.51261	.72123	.998706	1.89652
%RSD	13.65858	28.44805	11.24151	2.693417	4.653704	61.75499	16.81888
#1	1.315028	-4.24575	4.246667	18.61737	16.25943	1.753909	13.42661
#2	1.665415	-6.53384	5.109443	19.60512	14.82516	2.540519	9.842505
#3	1.700392	-3.99036	5.262825	18.87340	15.40934	.5571909	10.55936
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.680457	23.94997	11.27569	-19.0322	11.92383	16.11619	.2779498
SDEV	.579789	3.49095	2.49275	1.4840	1.11129	.86213	1.168994
%RSD	85.20590	14.57602	22.10733	7.797410	9.319884	5.349474	420.5773
#1	-1.19265	20.60549	14.08700	-20.1029	12.66326	15.78172	1.301217
#2	-.797717	23.67347	10.40500	-17.3382	12.46234	17.09544	.5287068
#3	-.051000	27.57096	9.335059	-19.6557	10.64588	15.47141	-.996075
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.446428	457.9240	4603.578
SDEV	.554529	3.8042	51.820
%RSD	38.33778	.8307492	1.125648
#1	1.191526	460.6817	4564.133
#2	1.065185	459.5064	4584.333
#3	2.082575	453.5840	4662.267
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052623-BLK1 OPERATOR:
RUN TIME: 06/11/10 20:55:31
COMMENT: SDG:1005157 CLIENTID:PBS 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6162977	38.45929	.5737559	.2951421	529.4049	.2294477	.9394209
SDEV	.4151229	15.02637	.3586340	.2055153	79.5511	.2819215	.7499005
%RSD	67.35753	39.07086	62.50639	69.63265	15.02651	122.8696	79.82582
#1	1.061402	55.01995	.9096671	.5302327	599.9345	.3371229	1.453661
#2	.5478201	34.66230	.6155409	.1495645	545.1062	.4416632	1.285640
#3	.2396713	25.69562	.1960596	.2056290	443.1738	-.090443	.0789614
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000
LOW	-5.00000	-200.000	-200.000	-5.00000	-5000.00	-5.00000	-5.00000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.210642	3.769977	48.48625	-1406.50	30.42141	1.178578	374.3235
SDEV	.687983	1.866890	9.03388	20.28	15.93619	.466702	236.9694
%RSD	31.12140	49.51994	18.63184	1.441767	52.38479	39.59871	63.30606
#1	2.984837	H5.401839	58.88325	-1388.20	44.70069	1.552470	583.7639
#2	1.977775	4.173903	42.55442	-1403.00	33.33357	1.327733	422.1009
#3	1.669315	1.734190	44.02108	-1428.30	13.22996	.6555307	117.1055
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000
LOW	-5.00000	-5.00000	-100.000	-5000.00	-5000.00	-10.0000	-5000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4975318	-3.45563	.0529053	3.565458	2.807679	.7378495	7.943214
SDEV	.2409121	2.13143	.3213818	1.527548	1.284992	.8972830	4.359670
%RSD	48.42146	61.68009	607.4668	42.84296	45.76704	121.6079	54.88547
#1	.3058640	-2.96018	.3559686	4.950618	H3.953269	-.073621	H12.41134
#2	.7679688	-5.79115	.0868478	3.818604	H3.051537	1.701486	7.717543
#3	.4187626	-1.61555	-.284101	1.927150	1.418232	.5856837	3.700763
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000
LOW	-40.0000	-10.0000	-20.0000	-20.0000	-3.00000	-5.00000	-10.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.444016	7.951130	.2372261	-16.4577	9.320138	15.52161	.6972290
SDEV	2.022809	4.547183	.5870832	3.6098	1.125409	9.23085	2.117916
%RSD	455.5712	57.18914	247.4783	21.93390	12.07503	59.47099	303.7618
#1	-2.69963	12.65453	-.393476	-20.6259	10.18448	24.32438	1.186404
#2	1.209060	7.620671	.7678154	-14.3815	9.728343	16.32523	2.527756
#3	.1585236	3.578191	.3373395	-14.3656	8.047591	5.915216	-1.62247
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	10.00000					100.0000	50.00000
LOW	-10.0000					-100.000	-50.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.081905	.2251947	4674.377
SDEV	.792596	.1251755	97.034
%RSD	967.7051	55.58544	2.075871
#1	.8310355	.3637961	4574.533
#2	-.594179	.1914067	4680.267
#3	-.482571	.1203814	4768.333
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	5.000000	40.00000	
LOW	-5.00000	-40.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052623-BS1 OPERATOR:
RUN TIME: 06/11/10 21:02:39
COMMENT: SDG:1005157 CLIENTID:LCSS 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	770.6916	68125.60	1487.198	1293.237	38679.09	2050.325	618.6867
SDEV	4.1422	588.89	7.507	16.470	609.52	17.554	6.8586
%RSD	.5374682	.8644244	.5047525	1.273554	1.575843	.8561418	1.108581
#1	771.9813	67801.75	1488.497	1286.249	38311.27	2043.570	615.3853
#2	766.0580	67769.70	1479.127	1281.412	38343.34	2037.153	614.1032
#3	774.0356	68805.34	1493.970	1312.049	39382.66	2070.253	626.5717
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1110.000	108000.0	1840.000	1690.000	52200.00	2770.000	811.0000
LOW	490.0000	43900.00	1280.000	1170.000	34200.00	1880.000	561.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	525.4638	1351.898	99843.99	25249.27	19161.14	2769.001	4152.613
SDEV	9.8565	6.378	1249.46	71.33	250.53	28.213	18.374
%RSD	1.875774	.4718156	1.251410	.2825135	1.307503	1.018893	.4424606
#1	522.9290	1357.795	99343.16	25307.88	19070.91	2749.676	4172.903
#2	517.1223	1345.128	98922.64	25169.84	18968.22	2755.950	4147.837
#3	536.3401	1352.770	101266.2	25270.08	19444.29	2801.377	4137.099
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	738.0000	1540.000	214000.0	30600.00	27300.00	3650.000	6580.000
LOW	477.0000	1080.000	74200.00	17000.00	17100.00	2430.000	2540.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	444.3838	1414.086	600.1381	988.4946	672.1390	687.0421	333.2266
SDEV	4.1652	7.466	10.6656	13.9735	12.4060	3.9444	3.3229
%RSD	.9373046	.5279607	1.777192	1.413613	1.845755	.5741147	.9972025
#1	441.0218	1410.607	594.1345	982.4612	662.3430	683.3486	334.2990
#2	443.0862	1408.995	593.8275	978.5515	667.9851	686.5809	329.4998
#3	449.0434	1422.656	612.4524	1004.471	686.0890	691.1968	335.8808
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	588.0000	1970.000	930.0000	1410.000	918.0000	1030.000	1730.000
LOW	404.0000	1190.000	517.0000	905.0000	619.0000	626.0000	30.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	718.4414	662.5735	676.9111	663.2048	698.9399	1530.169	-.324462
SDEV	5.9170	16.2976	10.9598	11.5149	2.2681	14.494	1.406264
%RSD	.8235888	2.459735	1.619094	1.736250	.3244994	.9472370	433.4137
#1	721.5275	646.5504	670.2235	650.2728	699.8587	1522.397	.9143237
#2	711.6193	662.0380	670.9504	666.9941	696.3566	1521.219	-.034660
#3	722.1772	679.1323	689.5595	672.3476	700.6044	1546.892	-1.85305
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	NOCHECK
HIGH	973.0000					2280.000	
LOW	645.0000					1220.000	

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	551.0494	2698.203	4711.044
SDEV	6.3437	38.613	23.294
%RSD	1.151204	1.431071	.4944594
#1	549.2270	2668.649	4736.600
#2	545.8163	2684.067	4705.533
#3	558.1048	2741.892	4690.999
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	705.0000	4510.000	
LOW	463.0000	1110.000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005157-01 OPERATOR:
RUN TIME: 06/11/10 21:09:48
COMMENT: SDG:1005157 CLIENTID:SS73-9-10 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.194020	65356.71	118.3912	1.051634	789.5221	1.957221	2.120078
SDEV	.086166	702.20	.8029	.097685	3.6281	.224628	.610752
%RSD	44.41079	1.074416	.6781524	9.288895	.4595331	11.47687	28.80798
#1	-.102716	66167.53	117.7213	1.161013	792.6481	1.725891	2.523133
#2	-.205433	64948.01	119.2812	1.020809	790.3745	1.971287	2.419725
#3	-.273910	64954.57	118.1712	.9730800	785.5436	2.174486	1.417374
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	100.3241	19.87317	32164.77	2608.887	2601.542	49.13235	1073.269
SDEV	.6532	.07286	86.29	35.394	16.523	.36531	63.200
%RSD	.6511065	.3666081	.2682860	1.356687	.6351139	.7435147	5.888569
#1	101.0730	19.94318	32253.23	2647.994	2620.562	49.42300	1146.148
#2	100.0269	19.79777	32160.26	2599.617	2593.323	48.72228	1040.111
#3	99.87228	19.87855	32080.82	2579.050	2590.740	49.25177	1033.548
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	8.688240	.0474033	67.82577	30.46214	70.21559	1.933994	10.36454
SDEV	.397974	1.634075	.97229	.06804	1.88150	2.933992	1.71059
%RSD	4.580602	3447.173	1.433511	.2233549	2.679606	151.7064	16.50425
#1	8.705594	.6154385	68.91634	30.38450	70.26314	.6864122	11.87832
#2	9.077253	1.321655	67.04952	30.49058	72.07287	5.285598	10.70650
#3	8.281874	-1.79488	67.51144	30.51135	68.31077	-.170029	8.508802
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	5.309516	72.22329	69.21037	-19.4204	12.59262	21.21291	-.357516
SDEV	.952585	2.42766	1.71020	.7340	4.55313	2.75094	1.280487
%RSD	17.94109	3.361322	2.471024	3.779416	36.15718	12.96821	358.1620
#1	5.540843	73.14992	68.81902	-20.0262	11.02461	21.92955	-.568184
#2	6.125134	74.05116	71.08234	-19.6308	17.72254	23.53461	1.015241
#3	4.262572	69.46879	67.72977	-18.6042	9.030695	18.17458	-1.51961
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.133386	906.6351	4725.733
SDEV	1.375742	6.2952	39.804
%RSD	64.48630	.6943468	.8422844
#1	3.698538	913.7128	4683.066
#2	1.586163	904.5311	4732.267
#3	1.115458	901.6613	4761.866
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052623-DUP1 OPERATOR:
RUN TIME: 06/11/10 21:16:56
COMMENT: SDG:1005157 CLIENTID:SS73-9-10D 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.011413	67673.20	122.3455	.9492055	820.9542	1.742406	.7627991
SDEV	.401242	365.24	.7492	.1272018	13.0643	.266907	.6889224
%RSD	3515.679	.5397056	.6123360	13.40087	1.591350	15.31830	90.31505
#1	.4451039	67898.94	121.4814	.8842227	835.4285	1.498612	1.519065
#2	-.308149	67868.84	122.7434	.8676214	817.3973	1.701014	.5983481
#3	-.171194	67251.82	122.8118	1.095773	810.0367	2.027590	.1709838
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	110.4200	21.68276	40667.27	2683.298	2637.281	49.46160	1058.669
SDEV	2.5627	.96596	657.09	36.323	28.512	.72469	24.698
%RSD	2.320896	4.454973	1.615762	1.353685	1.081101	1.465149	2.332959
#1	113.1034	22.78682	41415.64	2642.166	2668.990	50.22512	1063.571
#2	110.1586	21.26806	40401.36	2696.757	2629.099	49.37638	1080.549
#3	107.9980	20.99339	40184.82	2710.972	2613.755	48.78329	1031.888
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	9.976143	-4.48989	97.16467	35.83049	72.82861	2.779061	12.10571
SDEV	1.162260	.85457	1.48485	2.36765	1.65372	.376097	4.96263
%RSD	11.65039	19.03323	1.528180	6.607927	2.270704	13.53322	40.99416
#1	11.31111	-4.23738	98.75753	38.55268	74.55451	2.883278	17.72959
#2	9.428033	-3.79003	96.91769	34.68865	71.25803	2.361846	10.24597
#3	9.189289	-5.44226	95.81880	34.25016	72.67330	3.092059	8.341558
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	9.774295	73.47397	72.50349	-21.4645	14.88008	22.62477	.8314177
SDEV	3.533490	2.12417	1.44855	2.3587	.72307	.88225	.4559643
%RSD	36.15084	2.891057	1.997905	10.98893	4.859307	3.899492	54.84179
#1	13.77898	75.46699	74.09608	-22.0886	15.34795	23.57330	1.121510
#2	8.448267	71.23931	71.26442	-23.4484	15.24502	21.82865	1.066882
#3	7.095633	73.71560	72.14998	-18.8565	14.04727	22.47238	.3058609
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.383532	929.3690	4649.133
SDEV	1.079876	10.2208	70.961
%RSD	78.05207	1.099761	1.526335
#1	2.505429	939.8768	4731.066
#2	.3512643	928.7687	4607.333
#3	1.293904	919.4615	4608.999
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052623-MS1 OPERATOR:
RUN TIME: 06/11/10 21:24:05
COMMENT: SDG:1005157 CLIENTID:SS73-9-10S 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	46.25657	126706.4	2075.192	48.76144	800.9008	48.12151	464.9795
SDEV	.52710	505.5	27.587	.24603	8.3963	.36509	1.6447
%RSD	1.139514	.3989190	1.329390	.5045626	1.048363	.7586771	.3537135
#1	46.70167	126282.8	2068.546	48.99159	804.3336	48.27541	464.1039
#2	46.39352	126570.6	2051.535	48.79061	807.0369	48.38444	466.8767
#3	45.67450	127265.9	2105.496	48.50213	791.3320	47.70467	463.9578
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	341.2369	270.8406	56363.79	3836.091	4317.430	516.0394	1107.795
SDEV	5.1275	3.1189	285.12	102.182	7.382	5.0289	38.516
%RSD	1.502630	1.151550	.5058559	2.663707	.1709715	.9745269	3.476833
#1	338.7372	271.5730	56422.26	3781.140	4308.917	511.2637	1107.131
#2	347.1349	273.5280	56615.15	3773.143	4322.055	521.2881	1069.616
#3	337.8387	267.4207	56053.97	3953.991	4321.317	515.5662	1146.639
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	465.5352	43.84016	578.7085	482.0725	91.59909	6.130768	97.11661
SDEV	4.5819	6.13722	4.4704	10.0653	1.52171	.660201	3.93604
%RSD	.9842234	13.99909	.7724819	2.087924	1.661271	10.76866	4.052906
#1	468.0093	44.23395	574.6428	484.7409	91.93092	6.781159	95.18159
#2	468.3482	37.51552	583.4959	490.5347	92.92750	5.461175	101.6456
#3	460.2481	49.77100	577.9868	470.9418	89.93885	6.149970	94.52264
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	36.38417	90.60299	92.09305	-13.0888	15.72344	705.5338	912.1999
SDEV	4.99933	.81254	2.68506	2.8167	.98869	3.1844	6.0057
%RSD	13.74039	.8968174	2.915590	21.52009	6.287986	.4513448	.6583781
#1	32.33902	90.32525	92.72923	-9.92263	15.11788	706.1890	909.3489
#2	41.97338	89.96573	94.40288	-14.0272	15.18809	708.3395	908.1508
#3	34.84012	91.51798	89.14703	-15.3165	16.86436	702.0727	919.1002
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	832.2967	1302.786	4513.289
SDEV	3.5602	6.957	96.777
%RSD	.4277537	.5340277	2.144261
#1	833.9899	1310.571	4554.466
#2	834.6943	1300.613	4582.667
#3	828.2059	1297.175	4402.733
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV1 OPERATOR:
RUN TIME: 06/11/10 21:31:14
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	103.9032	47697.79	982.8182	1003.204	48228.34	973.2620	992.1611
SDEV	.2201	844.73	4.9632	14.905	750.55	8.5806	10.6677
%RSD	.2118590	1.770997	.5049940	1.485711	1.556248	.8816321	1.075197
#1	104.1543	47075.55	986.4017	995.9842	47857.64	968.2667	985.0130
#2	103.8119	47358.39	977.1532	993.2840	47735.26	968.3494	987.0472
#3	103.7434	48659.43	984.8996	1020.344	49092.12	983.1699	1004.423
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	961.1276	1018.949	24352.37	51614.85	50164.48	984.8463	50997.90
SDEV	14.7294	3.784	285.31	486.21	502.17	14.7584	532.01
%RSD	1.532517	.3713728	1.171590	.9419876	1.001051	1.498546	1.043206
#1	948.8547	1015.540	24137.25	51204.77	49727.53	975.2402	50463.58
#2	957.0666	1018.287	24243.85	51487.81	50052.83	977.4590	51002.56
#3	977.4615	1023.021	24676.02	52151.96	50713.08	1001.840	51527.57
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	973.4795	984.4902	982.2101	1044.802	972.5604	987.5363	1009.778
SDEV	10.7513	15.3276	13.8325	11.262	7.1208	6.9891	11.120
%RSD	1.104422	1.556907	1.408305	1.077860	.7321733	.7077267	1.101261
#1	968.9041	971.4825	972.2713	1039.890	966.8668	988.0181	1005.747
#2	965.7727	980.6000	976.3511	1036.831	970.2696	980.3188	1001.236
#3	985.7617	1001.388	998.0079	1057.685	980.5446	994.2720	1022.352
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1005.609	966.4612	975.6028	989.7684	986.4196	1022.663	992.9322
SDEV	5.354	6.7033	7.5527	4.0509	9.2685	11.539	12.4996
%RSD	.5324265	.6935924	.7741566	.4092750	.9396080	1.128296	1.258862
#1	1004.938	963.0346	968.7775	993.4598	985.2989	1016.187	983.1513
#2	1000.621	962.1638	974.3139	985.4348	977.7623	1015.816	988.6307
#3	1011.266	974.1851	983.7170	990.4106	996.1974	1035.985	1007.015
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1016.745	986.2162	4631.377
SDEV	12.313	9.8307	45.269
%RSD	1.211001	.9968072	.9774489
#1	1012.884	977.5341	4665.933
#2	1006.825	984.2242	4648.066
#3	1030.525	996.8903	4580.133
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB1 OPERATOR:
RUN TIME: 06/11/10 21:38:23
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3309747	8.602228	.1193811	-.002965	374.5168	.1132743	1.004815
SDEV	.0197678	2.810569	.0203963	.082670	.2407	.0426257	.377247
%RSD	5.972588	32.67257	17.08505	2787.773	.0642766	37.63049	37.54395
#1	.3423876	8.273080	.1218387	-.045812	374.7339	.0667293	.6677365
#2	.3081488	5.970726	.1384373	-.055417	374.5584	.1226858	.9344004
#3	.3423876	11.56288	.0978673	.0923323	374.2579	.1504076	1.412308
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.010078	-.016157	10.69118	-1432.22	4.746735	.2815365	19.65301
SDEV	.641982	.033634	4.67705	1.68	.601044	.0915306	43.90793
%RSD	63.55769	208.1663	43.74682	.1175326	12.66226	32.51110	223.4158
#1	.3677047	.0215427	6.372629	-1433.10	5.199167	.1901059	-28.2696
#2	1.010861	-.026928	15.65891	-1433.29	4.064742	.3731668	29.27998
#3	1.651669	-.043086	10.04200	-1430.28	4.976294	.2813367	57.94867
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1563407	2.092472	.2591188	.9055219	.5598993	2.191499	3.180101
SDEV	.5176054	1.048625	.1350719	.3496692	.6474335	1.341137	1.243269
%RSD	331.0752	50.11420	52.12740	38.61522	115.6339	61.19726	39.09528
#1	.7540198	1.632521	.4150843	.7034259	1.055178	2.293554	3.664376
#2	-.142829	1.352422	.1818300	.7038546	-.172709	.8022491	1.767567
#3	-.142169	3.292473	.1804420	1.309285	.7972287	3.478692	4.108359
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.921783	1.947522	-.135371	2.395239	2.087282	-.830738	.8687237
SDEV	.606304	.814071	1.369194	2.247823	2.538370	1.076210	2.240241
%RSD	31.54903	41.80035	1011.437	93.84547	121.6113	129.5486	257.8773
#1	2.039904	1.177920	.9914008	-.153783	3.512891	.3022181	2.109777
#2	1.265111	2.799759	-1.65922	4.093511	-.843416	-.955023	-1.71739
#3	2.460335	1.864888	.2617015	3.245991	3.592370	-1.83941	2.213781
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.086357	.3152421	4829.711
SDEV	.681871	.0995761	3.924
%RSD	62.76675	31.58717	.0812444
#1	1.871130	.2112888	4832.333
#2	.6387826	.4097709	4825.200
#3	.7491570	.3246667	4831.600
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052623-MSD1 OPERATOR:
RUN TIME: 06/11/10 21:45:31
COMMENT: SDG:1005157 CLIENTID:SS73-9-10SD 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	41.71422	118346.2	1952.887	44.30959	771.5660	44.43719	421.4253
SDEV	.17233	1323.1	17.103	.52641	5.9136	.70178	5.0174
%RSD	.4131237	1.117992	.8758019	1.188019	.7664353	1.579257	1.190587
#1	41.73705	117073.1	1956.568	43.70612	768.0286	43.62755	415.6586
#2	41.87400	119714.2	1934.242	44.67437	778.3929	44.87126	424.7916
#3	41.53162	118251.2	1967.849	44.54827	768.2765	44.81276	423.8259
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	315.0005	251.4844	64228.17	3464.640	3920.561	468.2765	968.5148
SDEV	6.5069	.7916	676.47	54.170	37.686	6.5610	12.1487
%RSD	2.065685	.3147639	1.053222	1.563499	.9612384	1.401104	1.254365
#1	309.1133	251.6675	63462.51	3407.124	3883.035	461.1988	962.7773
#2	321.9871	252.1684	64744.90	3472.106	3958.405	474.1556	960.2973
#3	313.9011	250.6173	64477.09	3514.689	3920.244	469.4751	982.4696
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	422.9353	39.12568	544.3965	424.9383	88.17235	9.991851	84.14147
SDEV	3.0359	2.52874	9.1167	5.4719	.95717	1.474047	6.59963
%RSD	.7178254	6.463113	1.674645	1.287703	1.085563	14.75249	7.843487
#1	420.6531	36.99070	538.9199	419.8351	87.07547	9.696869	85.72729
#2	426.3809	38.46807	554.9207	430.7163	88.60329	11.59108	89.80370
#3	421.7719	41.91825	539.3490	424.2634	88.83830	8.687601	76.89341
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	32.79729	86.33900	89.08425	-1.17906	15.56621	684.3944	843.7666
SDEV	3.73636	13.17376	5.70228	7.09908	5.42665	5.7738	6.4344
%RSD	11.39228	15.25818	6.400993	602.0991	34.86173	.8436393	.7625762
#1	36.14874	77.47402	91.86563	-5.27825	17.17052	678.4638	837.4908
#2	33.47448	80.06601	92.86211	-5.27717	20.00983	689.9974	843.4603
#3	28.76864	101.4770	82.52501	7.018259	9.518278	684.7220	850.3486
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	767.5511	1158.638	4444.089
SDEV	7.2638	14.759	47.410
%RSD	.9463666	1.273847	1.066802
#1	759.1930	1146.564	4498.267
#2	772.3384	1175.092	4423.800
#3	771.1219	1154.258	4410.200
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: SDI1005157-01 OPERATOR:
RUN TIME: 06/11/10 21:52:40
COMMENT: SDG:1005157 CLIENTID:SS73-9-10L 1:5
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0000000	13718.40	24.78467	.5883926	475.4866	.0840714	-.235636
SDEV	.1369550	71.23	.32217	.2769128	1.5337	.2619866	.474860
%RSD	2199E6	.5192456	1.299883	47.06259	.3225458	311.6241	201.5228
#1	.0000000	13674.16	25.14513	.9066753	473.7189	.3180643	.3113427
#2	-.136955	13800.57	24.52478	.4557610	476.4628	-.198975	-.475914
#3	.1369550	13680.47	24.68410	.4027415	476.2782	.1331244	-.542337
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	20.05623	4.216989	6538.962	-551.853	574.7021	10.42383	253.0070
SDEV	.23700	.208378	16.997	7.082	1.5151	.07059	31.6492
%RSD	1.181665	4.941390	.2599413	1.283286	.2636296	.6771762	12.50921
#1	20.06560	4.044647	6553.781	-544.052	573.1150	10.40465	283.7000
#2	20.28840	4.448573	6520.408	-553.630	574.8583	10.36481	220.4812
#3	19.81468	4.157746	6542.698	-557.877	576.1331	10.50202	254.8399
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.236368	-.123308	13.60583	9.000682	14.55542	1.114806	2.885558
SDEV	.768288	2.459086	.14179	.453741	1.79531	1.607244	1.900936
%RSD	34.35427	1994.269	1.042123	5.041180	12.33429	144.1726	65.87760
#1	1.478159	1.994217	13.48562	8.523556	16.34011	-.429690	2.690560
#2	2.216593	-2.82041	13.56966	9.051778	12.74968	.9959127	4.876477
#3	3.014353	.4562736	13.76220	9.426711	14.57646	2.778195	1.089636
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.463932	16.42281	13.62053	-6.88787	5.107553	4.089658	1.293926
SDEV	.772714	1.49364	2.17827	5.29517	2.571898	1.302062	.468048
%RSD	166.5577	9.094914	15.99253	76.87682	50.35480	31.83792	36.17274
#1	-.758850	18.12214	15.44782	-12.3208	5.504345	5.569825	1.818878
#2	-1.04576	15.82846	11.21002	-1.74217	2.360319	3.121113	1.142754
#3	.4128112	15.31784	14.20375	-6.60061	7.457995	3.578036	.9201464
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.7708223	184.9058	4661.578
SDEV	1.166762	.7464	42.532
%RSD	151.3658	.4036622	.9123843
#1	2.111207	184.4455	4614.200
#2	.2183589	185.7670	4674.066
#3	-.017099	184.5049	4696.466
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052623-PS1 OPERATOR:
RUN TIME: 06/11/10 21:59:49
COMMENT: SDG:1005157 CLIENTID:SS73-9-10A 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	19.74435	64405.52	519.1645	10.89582	788.5665	11.50493	104.3997
SDEV	.40848	550.57	3.4042	.08850	3.5263	.34171	1.9492
%RSD	2.068845	.8548480	.6557045	.8122076	.4471823	2.970143	1.867055
#1	20.02968	63911.39	520.0170	10.93948	785.7123	11.21817	103.0567
#2	19.92696	64999.00	522.0613	10.95400	792.5085	11.88303	106.6354
#3	19.27642	64306.19	515.4150	10.79398	787.4785	11.41359	103.5069
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	121.0352	74.15007	31792.51	2517.994	2544.641	79.68724	969.9799
SDEV	1.8269	.26003	386.90	11.566	30.645	1.54534	43.9986
%RSD	1.509365	.3506763	1.216954	.4593312	1.204306	1.939262	4.536032
#1	120.1454	73.94003	31606.03	2508.960	2524.701	78.23759	1014.593
#2	123.1364	74.44090	32237.33	2531.029	2579.927	81.31316	926.6231
#3	119.8236	74.06929	31534.17	2513.993	2529.294	79.51096	968.7233
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	88.57752	14.56225	171.7514	69.07634	74.32272	11.11486	123.7085
SDEV	.37872	2.84711	3.1787	.54957	1.68740	.32568	3.4939
%RSD	.4275562	19.55127	1.850737	.7956039	2.270366	2.930115	2.824333
#1	88.88269	15.42646	170.7403	68.50601	75.48558	11.43366	121.9003
#2	88.69617	11.38317	175.3126	69.60249	75.09522	10.78272	127.7360
#3	88.15367	16.87712	169.2012	69.12052	72.38736	11.12819	121.4892
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	24.58077	76.20222	73.38147	-7.72852	20.51992	21.26335	-.819098
SDEV	.44979	3.28959	2.30139	1.96405	.50853	1.77211	1.106916
%RSD	1.829854	4.316916	3.136202	25.41298	2.478243	8.334097	135.1384
#1	24.09391	79.94951	73.25415	-6.05944	20.16461	20.82707	-2.02584
#2	24.66757	73.79031	75.74387	-9.89276	21.10245	19.75013	.1490985
#3	24.98084	74.86684	71.14638	-7.23334	20.29271	23.21285	-.580556
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.344903	905.6694	4845.289
SDEV	.337627	5.4432	23.784
%RSD	25.10421	.6010122	.4908730
#1	1.645763	900.8886	4842.200
#2	.9797530	911.5934	4823.200
#3	1.409193	904.5264	4870.466
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005157-02 OPERATOR:
RUN TIME: 06/11/10 22:06:57
COMMENT: SDG:1005157 CLIENTID:SS51-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.723351	33760.23	99.10498	.9607869	156087.3	3.841325	3.503874
SDEV	.172331	229.51	.25349	.1252781	920.6	.253783	.112663
%RSD	9.999780	.6798159	.2557833	13.03912	.5897895	6.606652	3.215393
#1	1.746177	33502.49	99.24831	1.079373	156186.8	3.856955	3.633066
#2	1.883132	33942.50	99.25434	.8297467	156954.0	4.086932	3.426047
#3	1.540744	33835.70	98.81229	.9732412	155121.0	3.580089	3.452509
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	59.83384	305.8260	41617.31	2117.228	6190.146	263.6498	5135.011
SDEV	.02190	.3918	200.42	24.801	17.659	.3763	28.416
%RSD	.0366014	.1281034	.4815743	1.171383	.2852790	.1427392	.5533812
#1	59.81847	305.8906	41771.05	2098.968	6202.746	263.2389	5167.608
#2	59.82413	306.1814	41690.23	2107.253	6197.732	263.9776	5115.462
#3	59.85891	305.4059	41390.64	2145.464	6169.962	263.7329	5121.963
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	23.49439	-3.53060	78.96411	445.8702	361.0157	3.594117	15.36337
SDEV	.58086	2.97610	.71842	5.3577	1.7854	1.880443	1.47387
%RSD	2.472351	84.29451	.9098081	1.201620	.4945445	52.32004	9.593431
#1	23.11191	-2.33074	79.62587	449.9068	358.9670	3.730119	14.32659
#2	24.16279	-1.34172	79.06647	447.9120	361.8402	1.649364	17.05057
#3	23.20847	-6.91933	78.20001	439.7919	362.2398	5.402867	14.71296
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	10.78926	363.1982	359.9227	-17.7648	14.25495	33.84698	.0095836
SDEV	2.46424	6.7461	6.0438	2.0532	1.94115	2.64735	1.474884
%RSD	22.83971	1.857409	1.679181	11.55750	13.61739	7.821537	15389.73
#1	8.383580	370.9034	353.0045	-16.6240	13.88930	35.38217	1.592695
#2	13.30815	360.3369	362.5874	-20.1351	12.52263	35.36868	-.238278
#3	10.67605	358.3545	364.1762	-16.5354	16.35293	30.79009	-1.32567
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.468941	235.9541	4612.266
SDEV	.187246	.6307	27.802
%RSD	7.584065	.2673070	.6027888
#1	2.568782	235.2258	4638.133
#2	2.585108	236.3255	4615.800
#3	2.252934	236.3109	4582.866
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005157-03 OPERATOR:
RUN TIME: 06/11/10 22:14:06
COMMENT: SDG:1005157 CLIENTID:SS51D-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.403789	24377.45	73.45879	.7611930	25878.69	1.772256	-1.25150
SDEV	.330187	756.04	2.62834	.3442374	1193.24	.299340	.88330
%RSD	23.52110	3.101411	3.577982	45.22341	4.610896	16.89034	70.57982
#1	1.266834	23519.89	70.47154	.3654226	24559.24	1.435819	-2.19686
#2	1.780415	24947.83	75.41656	.9910745	26882.08	2.009117	-.447242
#3	1.164118	24664.62	74.48827	.9270818	26194.76	1.871833	-1.11038
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	41.44464	242.9158	25317.12	511.6039	2618.484	69.32745	3484.333
SDEV	2.65439	2.6612	1124.68	40.1928	97.050	3.02822	142.803
%RSD	6.404662	1.095537	4.442377	7.856241	3.706355	4.367993	4.098440
#1	38.97230	240.5030	24070.58	465.2975	2507.845	66.12669	3340.777
#2	44.24971	245.7702	26255.83	537.4493	2689.227	72.14704	3626.371
#3	41.11191	242.4742	25624.96	532.0649	2658.382	69.70860	3485.851
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	12.61771	-2.54280	53.56306	282.3489	460.9721	2.354443	17.88628
SDEV	1.39320	1.36764	2.12990	15.6880	15.4973	1.639711	3.39343
%RSD	11.04158	53.78494	3.976430	5.556254	3.361881	69.64327	18.97224
#1	11.37344	-.977142	51.11326	265.6705	443.5524	3.664404	15.23994
#2	14.12293	-3.14678	54.97588	296.8109	473.2292	2.883377	21.71205
#3	12.35677	-3.50447	54.60004	284.5652	466.1347	.5155477	16.70684
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	7.639680	461.2382	460.8353	-16.6687	11.84911	34.29662	1.190509
SDEV	1.891682	10.6332	18.3180	1.9672	2.21415	2.34509	2.189451
%RSD	24.76127	2.305362	3.974950	11.80168	18.68616	6.837679	183.9088
#1	5.787464	449.0345	440.8116	-14.5074	12.73414	32.70056	2.604526
#2	9.568501	466.1702	476.7494	-18.3547	13.48386	36.98909	2.298470
#3	7.563076	468.5098	464.9448	-17.1439	9.329349	33.20021	-1.33147
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.588118	276.5966	4596.533
SDEV	.459547	10.6755	109.224
%RSD	17.75601	3.859601	2.376231
#1	3.081455	264.4302	4721.400
#2	2.510705	284.3980	4549.466
#3	2.172195	280.9614	4518.733
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005157-04 OPERATOR:
RUN TIME: 06/11/10 22:21:15
COMMENT: SDG:1005157 CLIENTID:SS90-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6505364	3817.626	23.89002	.1245555	2019.068	.3564763	.9491704
SDEV	.2965164	35.158	.04796	.0509226	36.976	.3417072	.5167893
%RSD	45.58029	.9209388	.2007540	40.88350	1.831357	95.85692	54.44643
#1	.8217303	3784.462	23.83746	.1461687	1980.597	.4605054	.5704477
#2	.8217303	3854.486	23.90119	.0663910	2054.342	.6340786	1.537904
#3	.3081488	3813.932	23.93141	.1611067	2022.266	-.025155	.7391596
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	11.56307	4.933285	1672.978	L-1151.74	323.2195	19.41458	509.2831
SDEV	.19888	.148082	20.353	3.55	3.3294	.23778	54.8960
%RSD	1.719927	3.001691	1.216551	.3082559	1.030071	1.224751	10.77907
#1	11.56674	5.062542	1649.644	L-1148.05	319.7715	19.14611	541.5956
#2	11.76009	4.965599	1687.068	L-1152.04	323.4712	19.59864	540.3549
#3	11.36239	4.771714	1682.222	L-1155.13	326.4160	19.49898	445.8987
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.283261	-3.80252	9.423411	9.484349	14.83086	1.974700	11.84750
SDEV	.393207	.66140	.196826	.665744	1.04828	1.400506	1.03095
%RSD	17.22127	17.39358	2.088692	7.019395	7.068202	70.92246	8.701807
#1	2.219132	-4.36049	9.310901	8.836163	13.75712	1.816545	11.81654
#2	2.704590	-3.97514	9.650682	10.16636	14.88379	.6599847	10.83239
#3	1.926060	-3.07194	9.308650	9.450522	15.85166	3.447569	12.89359
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.50074	24.34288	10.07939	-20.2681	13.07686	13.04176	.0798053
SDEV	1.80782	1.37355	1.71725	3.5545	.75385	.73649	1.042284
%RSD	120.4621	5.642519	17.03726	17.53718	5.764753	5.647156	1306.033
#1	-2.24388	25.08075	8.101207	-22.0613	13.73498	13.56796	-.674933
#2	-2.81855	22.75809	10.94994	-22.5689	12.25440	12.20008	1.269044
#3	.5602171	25.18979	11.18702	-16.1743	13.24121	13.35722	-.354696
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.2996453	287.4912	4661.222
SDEV	.5755805	2.9178	24.791
%RSD	192.0873	1.014907	.5318557
#1	.6830686	284.8081	4671.999
#2	.5780750	290.5974	4632.866
#3	-.362208	287.0679	4678.800
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005157-05 OPERATOR:
RUN TIME: 06/11/10 22:28:24
COMMENT: SDG:1005157 CLIENTID:SB90-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6619493	21210.31	37.08026	-.051242	3285.718	.3951970	1.310026
SDEV	.3463590	186.03	.23152	.112011	23.960	.1653036	.528931
%RSD	52.32410	.8770917	.6243647	218.5939	.7292114	41.82814	40.37564
#1	1.061402	21376.92	37.16262	.0771450	3292.325	.5506015	1.396642
#2	.4451039	21009.58	36.81882	-.129003	3259.148	.4134757	.7431330
#3	.4793426	21244.44	37.25933	-.101866	3305.680	.2215138	1.790304
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	30.43824	5.746523	3519.479	-843.266	860.2103	13.11361	446.6926
SDEV	.19076	.202016	33.455	7.798	3.2742	.19379	102.6127
%RSD	.6267087	3.515451	.9505602	.9247028	.3806333	1.477800	22.97166
#1	30.65564	5.886550	3521.917	-834.802	861.2903	13.11555	556.1559
#2	30.29885	5.838078	3484.872	-850.157	856.5325	12.91886	431.2381
#3	30.36023	5.514939	3551.648	-844.838	862.8082	13.30643	352.6837
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	6.446720	-6.44958	16.37279	11.29351	19.11136	3.972932	12.49702
SDEV	.660377	2.97959	.37569	.49777	.84716	.652831	1.17106
%RSD	10.24362	46.19814	2.294585	4.407603	4.432760	16.43198	9.370689
#1	5.897271	-5.41338	16.69051	10.88618	19.05060	4.007257	13.43933
#2	7.179350	-4.12644	15.95813	11.14597	19.98726	3.303616	11.18597
#3	6.263538	-9.80892	16.46972	11.84837	18.29621	4.607925	12.86575
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.211926	27.78083	14.78036	-17.1213	14.50174	17.60891	.1667557
SDEV	2.298821	2.18974	.57808	2.9025	1.40394	1.08542	.4587056
%RSD	1084.730	7.882183	3.911115	16.95233	9.681162	6.164059	275.0764
#1	2.437108	28.78727	14.18699	-13.9703	12.98003	17.46645	.3875374
#2	-1.68322	29.28639	15.34182	-19.6856	14.77849	16.60175	.4733211
#3	-1.38966	25.26881	14.81227	-17.7081	15.74669	18.75853	-.360591
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.5114631	278.9751	4733.600
SDEV	.5837638	1.7079	35.751
%RSD	114.1360	.6122106	.7552602
#1	.6752691	279.7892	4698.999
#2	.9958249	277.0125	4770.400
#3	-.136705	280.1237	4731.400
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005157-06 OPERATOR:
RUN TIME: 06/11/10 22:35:32
COMMENT: SDG:1005157 CLIENTID:SS70-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3538005	769.4644	8.322930	.6744372	646.6154	-.179716	-.418857
SDEV	.2523778	6.9271	.061950	.0759893	7.9014	.074156	.462411
%RSD	71.33337	.9002500	.7443336	11.26707	1.221960	41.26280	110.3982
#1	.4451039	772.4420	8.311014	.7608862	642.8879	-.250854	-.009051
#2	.5478201	761.5463	8.389974	.6442243	641.2673	-.185423	-.920185
#3	.0684775	774.4048	8.267804	.6182010	655.6910	-.102872	-.327334
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	7.368521	1.874217	451.6395	L-1314.24	77.31827	18.63605	396.3120
SDEV	1.756738	.410762	30.1194	3.49	6.11069	.38952	5.6295
%RSD	23.84112	21.91646	6.668894	.2657380	7.903295	2.090162	1.420478
#1	7.293247	1.653404	439.1155	L-1310.62	79.74054	18.43655	390.7881
#2	5.650629	1.621090	429.8027	L-1314.50	70.36780	18.38669	396.1064
#3	9.161685	2.348157	486.0002	L-1317.59	81.84647	19.08491	402.0415
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.447842	-8.39611	3.617097	6.531518	15.31267	1.473155	13.08981
SDEV	1.394213	3.04352	.427107	1.173826	.40695	.836926	3.54319
%RSD	96.29594	36.24913	11.80800	17.97172	2.657572	56.81182	27.06832
#1	1.979945	-8.76526	4.079286	6.503951	15.48618	1.948413	12.66843
#2	-.134067	-5.18486	3.535022	5.371719	15.60410	.5067992	9.776146
#3	2.497646	L-11.2382	3.236984	7.718886	14.84773	1.964253	16.82484
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.179175	21.14899	12.39613	-26.3431	15.35769	20.23725	-.667890
SDEV	2.815194	5.05171	1.93416	4.7674	2.82623	1.02858	1.563045
%RSD	1571.197	23.88630	15.60290	18.09736	18.40268	5.082603	234.0274
#1	-.012952	24.51049	10.97801	-21.9266	13.86526	20.17956	-.314851
#2	-3.07380	23.59680	11.61097	-25.7055	13.59053	21.29346	-2.37726
#3	2.549224	15.33968	14.59940	-31.3973	18.61728	19.23873	.6884422
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.5738026	373.5588	4384.200
SDEV	.8329543	3.0691	44.947
%RSD	145.1639	.8215971	1.025209
#1	1.283537	371.3494	4352.667
#2	.7810924	372.2638	4364.267
#3	-.343222	377.0632	4435.667
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005157-07 OPERATOR:
RUN TIME: 06/11/10 22:42:41
COMMENT: SDG:1005157 CLIENTID:SS70-1-2 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.5364072	21795.51	28.24686	.5056030	807.3856	.1922229	-.164259
SDEV	.2746225	460.25	.33540	.1523063	12.0092	.3805810	.677591
%RSD	51.19664	2.111694	1.187386	30.12369	1.487412	197.9894	412.5142
#1	.8217303	21313.45	27.91549	.3692115	793.7338	-.192665	-.939162
#2	.2739101	22230.32	28.58615	.6699508	816.3189	.5683453	.3168612
#3	.5135814	21842.75	28.23894	.4776467	812.1041	.2009886	.1295239
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	16.17017	1.955002	2009.282	-827.604	566.3311	11.68396	741.2162
SDEV	.85448	.340578	64.046	6.472	14.8153	.35750	16.0553
%RSD	5.284272	17.42084	3.187503	.7819632	2.616012	3.059792	2.166075
#1	15.24325	2.348157	1936.476	-831.956	549.5992	11.27352	759.2849
#2	16.92644	1.766504	2056.925	-820.167	577.7833	11.85089	735.7755
#3	16.34082	1.750346	2034.446	-830.689	571.6108	11.92747	728.5881
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3.974013	-4.37377	8.696595	10.14620	26.92741	1.369156	12.63645
SDEV	.465799	3.70026	.292172	.26986	1.23629	1.461735	2.73809
%RSD	11.72112	84.60120	3.359617	2.659685	4.591196	106.7618	21.66815
#1	3.623521	-1.41789	8.827359	9.926309	25.76148	1.603835	12.80001
#2	3.795938	-3.17981	8.900546	10.44735	28.22373	-.195721	15.28909
#3	4.502579	-8.52360	8.361880	10.06494	26.79703	2.699353	9.820256
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.134816	35.93596	22.42725	-22.2456	13.15621	8.460312	1.031692
SDEV	1.529392	.61244	1.98121	4.3242	.27651	1.869052	.944224
%RSD	1134.432	1.704264	8.833932	19.43832	2.101782	22.09200	91.52192
#1	.1846265	36.52024	20.38757	-20.9339	12.85322	9.836112	2.120871
#2	-1.79870	35.98887	24.34429	-27.0738	13.22048	9.212459	.4443758
#3	1.209626	35.29878	22.54988	-18.7292	13.39493	6.332364	.5298284
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.0735195	281.6249	4574.800
SDEV	.8564567	4.9854	74.958
%RSD	1164.938	1.770235	1.638494
#1	1.039896	276.3819	4647.533
#2	-.227721	286.3049	4497.800
#3	-.591617	282.1880	4579.066
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005157-08 OPERATOR:
RUN TIME: 06/11/10 22:49:50
COMMENT: SDG:1005157 CLIENTID:SS69-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.8673819	11690.27	24.84061	-.223050	952.0309	.4881100	-.161357
SDEV	.6031596	309.92	.68110	.411796	18.7004	.1944493	1.170683
%RSD	69.53795	2.651130	2.741891	184.6200	1.964269	39.83718	725.5241
#1	1.540744	11777.80	25.26161	.0955224	963.8984	.6432165	.8471696
#2	.3766263	11947.01	25.20541	-.076626	961.7201	.5511519	.1139018
#3	.6847752	11345.99	24.05481	-.688048	930.4741	.2699616	-1.44514
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	16.15969	2.493571	11072.87	L-1010.82	387.8951	16.07762	555.4780
SDEV	1.11351	.016157	314.54	17.28	14.8975	.51137	144.3599
%RSD	6.890693	.6479524	2.840645	1.709230	3.840596	3.180610	25.98841
#1	17.37455	2.477413	11301.55	-994.468	400.0319	16.52114	720.5278
#2	15.91696	2.509728	11202.89	L-1009.10	392.3841	16.19345	493.1695
#3	15.18756	2.493571	10714.16	L-1028.89	371.2693	15.51827	452.7366
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3.691695	-5.36176	20.49143	12.52332	18.09484	3.712971	11.53326
SDEV	.745987	1.88815	.63812	.67092	.61070	.698979	1.11257
%RSD	20.20716	35.21508	3.114103	5.357335	3.375007	18.82534	9.646611
#1	4.540636	-3.18742	21.13458	13.23218	18.22706	3.103455	12.20697
#2	3.393597	-6.31003	20.48126	12.43957	18.62860	3.559537	12.14372
#3	3.140851	-6.58783	19.85845	11.89821	17.42886	4.475921	10.24910
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.162869	25.25266	14.51867	-14.1901	12.64858	12.36821	1.128614
SDEV	.678330	2.22876	.42273	3.4976	1.19360	1.53402	1.625121
%RSD	31.36250	8.825824	2.911616	24.64800	9.436609	12.40288	143.9927
#1	2.668188	26.62256	14.03302	-18.2282	13.75071	11.33481	2.644808
#2	2.428494	26.45448	14.71897	-12.1116	11.38082	11.63901	1.328057
#3	1.391923	22.68095	14.80402	-12.2306	12.81421	14.13081	-.587025
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.3033042	260.7327	4790.311
SDEV	.4976245	7.8777	156.549
%RSD	164.0678	3.021388	3.268039
#1	.4521323	264.8173	4668.667
#2	-.251753	265.7292	4735.333
#3	.7095332	251.6515	4966.933
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV1 OPERATOR:
RUN TIME: 06/11/10 22:56:59
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	104.2114	48284.54	996.8238	1005.238	48085.44	966.2491	986.2779
SDEV	3.1385	452.63	18.6123	19.189	1299.15	17.8924	14.1500
%RSD	3.011638	.9374261	1.867164	1.908856	2.701756	1.851738	1.434689
#1	106.8249	47769.07	976.2783	1022.395	49328.41	981.2861	1000.145
#2	100.7304	48467.47	1001.635	984.5179	46736.59	946.4605	971.8614
#3	105.0787	48617.07	1012.558	1008.801	48191.35	971.0006	986.8269
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	972.3888	1030.356	24283.99	51495.04	50369.53	988.1174	51137.69
SDEV	19.3088	13.002	384.09	1458.81	263.25	14.7497	738.40
%RSD	1.985711	1.261882	1.581659	2.832918	.5226363	1.492708	1.443949
#1	990.0982	1042.523	24652.16	49893.12	50655.61	1002.814	50285.54
#2	951.8032	1016.655	23885.75	52747.13	50137.50	973.3149	51588.50
#3	975.2650	1031.891	24314.06	51844.87	50315.46	988.2237	51539.04
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	966.2424	973.7432	996.7820	1028.307	967.7706	985.1047	1008.738
SDEV	12.4158	13.4892	12.7863	35.213	14.9725	11.9976	4.775
%RSD	1.284953	1.385288	1.282758	3.424343	1.547110	1.217900	.4733723
#1	975.5458	961.9262	1008.673	1065.165	982.2320	986.4730	1005.140
#2	952.1442	970.8637	983.2573	995.0105	968.7453	996.3596	1006.918
#3	971.0371	988.4395	998.4159	1024.746	952.3347	972.4817	1014.155
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1002.280	968.2194	967.5435	988.3433	983.4855	1010.270	987.2957
SDEV	4.295	17.1249	26.2536	10.6125	21.8124	13.970	7.8012
%RSD	.4284875	1.768699	2.713427	1.073766	2.217867	1.382786	.7901615
#1	999.0490	973.7436	986.4670	978.3029	990.5496	1016.004	978.6979
#2	1000.637	949.0142	978.5921	987.2794	1000.890	994.3454	989.2671
#3	1007.153	981.9003	937.5714	999.4477	959.0165	1020.460	993.9221
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1012.129	991.4969	4682.333
SDEV	10.878	8.5508	138.724
%RSD	1.074766	.8624111	2.962722
#1	1013.643	990.0261	4834.667
#2	1000.574	983.7769	4563.267
#3	1022.171	1000.688	4649.066
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB1 OPERATOR:
RUN TIME: 06/11/10 23:04:08
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1597809	21.42993	.2873953	.4238672	376.4889	.0420442	.2842916
SDEV	.4723625	7.23199	.0750515	.3020972	.9157	.1376584	.4720151
%RSD	295.6314	33.74714	26.11440	71.27165	.2432301	327.4131	166.0320
#1	.5135814	28.81583	.3660175	.7086217	375.4394	.1980215	-.260700
#2	.3423876	21.11157	.2796538	.4559861	377.1253	-.009427	.5507407
#3	-.376626	14.36238	.2165145	.1069939	376.9019	-.062461	.5628339
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1786123	.4200829	4.193841	-1426.62	7.311260	.3217003	14.95700
SDEV	.4751556	.2896277	7.006743	2.77	2.626658	.0486851	56.24743
%RSD	266.0263	68.94537	167.0722	.1938216	35.92621	15.13369	376.0609
#1	-.298480	.0861704	-3.56944	-1424.12	9.455779	.2950668	78.48758
#2	.6518068	.5708825	6.102403	-1426.14	8.096448	.2921423	-5.11757
#3	.1825103	.6031958	10.04856	-1429.59	4.381553	.3778916	-28.4990
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6282386	3.302588	.2357155	1.109689	-.538479	1.678396	1.239569
SDEV	.3220807	1.449894	.3567761	.204137	1.076766	.589088	1.649984
%RSD	51.26726	43.90176	151.3588	18.39586	199.9644	35.09826	133.1095
#1	.5355062	4.827999	.4428778	.9040787	-1.54712	1.430664	.5363335
#2	.3626969	1.942359	.4405205	1.112669	-.663771	1.253631	.0577122
#3	.9865125	3.137405	-.176252	1.312320	.5954522	2.350893	3.124661
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3742362	1.994963	-1.80586	1.874855	1.577749	.0950455	1.910446
SDEV	.8213373	1.315821	2.22312	4.648013	3.183753	2.959872	.749309
%RSD	219.4703	65.95718	123.1057	247.9132	201.7909	3114.165	39.22167
#1	1.314975	3.492757	-4.06587	5.006530	-.357182	-1.72495	2.761021
#2	-.200313	1.467071	-1.73017	4.083734	-.161871	3.510349	1.347841
#3	.0080465	1.025059	.3784431	-3.46570	5.252301	-1.50026	1.622477
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.9477601	.1797478	4706.466
SDEV	.8937614	.1802034	62.413
%RSD	94.30249	100.2534	1.326114
#1	1.969687	-.025996	4653.333
#2	.5615321	.3095508	4690.866
#3	.3120616	.2556890	4775.200
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005157-09 OPERATOR:
RUN TIME: 06/11/10 23:11:17
COMMENT: SDG:1005157 CLIENTID:SB69-2-3 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.5706460	81881.66	70.68136	.3764840	1416.573	2.989275	1.201850
SDEV	.2850947	976.75	.08013	.1406059	5.250	.283103	.333491
%RSD	49.95999	1.192882	.1133640	37.34710	.3706294	9.470628	27.74814
#1	.8902078	82400.56	70.73793	.5196328	1413.525	2.699399	1.584207
#2	.3423876	82489.45	70.58967	.2385671	1422.635	3.265080	.9710722
#3	.4793426	80754.98	70.71648	.3712522	1413.559	3.003346	1.050269
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	92.93559	5.633423	69691.29	530.5767	2486.816	57.88571	573.6679
SDEV	.86052	.216970	112.66	24.9641	.575	.23471	61.0044
%RSD	.9259336	3.851480	.1616579	4.705083	.0231172	.4054690	10.63410
#1	92.60342	5.789608	69628.47	549.8082	2486.358	57.67532	637.8474
#2	93.91270	5.724980	69821.35	539.5572	2487.461	58.13886	516.4328
#3	92.29067	5.385682	69624.04	502.3648	2486.629	57.84296	566.7236
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	27.83026	-3.83169	117.5356	42.77944	30.84782	8.617098	11.23261
SDEV	1.52308	4.27006	.9612	.18628	1.71592	1.075718	2.15002
%RSD	5.472738	111.4405	.8178062	.4354372	5.562535	12.48353	19.14086
#1	26.24410	.7102890	118.1489	42.70872	28.99773	7.423228	8.840330
#2	27.96543	-7.76437	118.0302	42.99072	31.15867	9.510977	13.00349
#3	29.28125	-4.44100	116.4278	42.63887	32.38708	8.917088	11.85400
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	15.80417	30.33967	31.09867	-9.92617	17.87230	16.83928	.4064583
SDEV	.23153	3.47337	3.70690	2.82133	.20494	3.00378	1.000042
%RSD	1.465010	11.44828	11.91981	28.42313	1.146695	17.83796	246.0379
#1	15.56081	33.34094	26.82652	-13.0470	17.64047	19.10941	1.536065
#2	15.82999	26.53500	33.46419	-7.55639	18.02934	17.97524	-.365889
#3	16.02171	31.14309	33.00531	-9.17509	17.94710	13.43318	.0491983
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.599549	1136.733	4774.977
SDEV	1.093914	8.784	28.404
%RSD	68.38893	.7727414	.5948438
#1	1.349666	1144.275	4743.600
#2	.6521945	1138.835	4782.400
#3	2.796785	1127.088	4798.933
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005157-10 OPERATOR:
RUN TIME: 06/11/10 23:18:26
COMMENT: SDG:1005157 CLIENTID:SB64-1-2 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0570646	35572.02	141.5570	.2915566	1484.333	.9870475	.7412148
SDEV	.1296258	258.99	.4359	.0386124	1.847	.1576518	.2807117
%RSD	227.1563	.7280702	.3079162	13.24353	.1244019	15.97206	37.87184
#1	.0000000	35569.29	141.9148	.3271908	1486.350	.9892807	.8839059
#2	.2054325	35314.40	141.0715	.2505324	1483.923	1.143571	.9219179
#3	-.034239	35832.36	141.6846	.2969465	1482.726	.8282909	.4178207
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	37.99350	6.882901	24790.48	-595.787	1606.258	238.1362	625.3881
SDEV	.75375	.049360	38.14	6.190	3.407	1.5830	26.5749
%RSD	1.983887	.7171466	.1538650	1.038951	.2121249	.6647550	4.249341
#1	37.20816	6.872129	24749.58	-592.945	1603.488	236.5571	625.6614
#2	38.71109	6.936758	24796.77	-602.888	1610.063	238.1284	651.8253
#3	38.06124	6.839816	24825.09	-591.529	1605.224	239.7231	598.6777
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	11.36471	-1.86120	51.12194	30.29848	30.04195	2.017289	11.94653
SDEV	.87063	.96795	.54350	.29192	.93608	1.169850	1.38293
%RSD	7.660859	52.00661	1.063145	.9634810	3.115924	57.99119	11.57600
#1	10.37018	-1.51307	50.54013	30.00919	30.68758	1.858834	10.62916
#2	11.73478	-2.95506	51.20909	30.29328	30.46988	.9347425	13.38682
#3	11.98918	-1.11547	51.61660	30.59296	28.96838	3.258289	11.82360
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.746353	34.24432	27.94107	-18.4876	12.25185	12.01419	-.089327
SDEV	1.470936	2.03850	.54886	.1680	1.77266	.93536	.863366
%RSD	53.55960	5.952825	1.964356	.9089178	14.46848	7.785448	966.5286
#1	2.473119	34.96676	28.54836	-18.6718	12.10625	12.08499	-.784546
#2	4.334748	35.82322	27.79440	-18.3427	10.55649	12.91213	.8770752
#3	1.431192	31.94298	27.48044	-18.4484	14.09282	11.04544	-.360509
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.2748084	409.9179	4781.555
SDEV	.1403276	.6380	42.461
%RSD	51.06379	.1556389	.8880166
#1	.1957054	410.4554	4794.999
#2	.1918900	409.2129	4815.667
#3	.4368297	410.0853	4733.999
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005157-11 OPERATOR:
RUN TIME: 06/11/10 23:25:34
COMMENT: SDG:1005157 CLIENTID:SB65-1-2 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6961881	26069.16	20.28963	.5933017	645.7686	.2147107	.0400910
SDEV	.2788585	599.46	.46319	.1025754	12.6456	.2837275	.9026220
%RSD	40.05506	2.299491	2.282892	17.28891	1.958223	132.1441	2251.432
#1	.8217303	26487.89	20.75048	.7032146	648.6100	.3527135	.1861426
#2	.3766263	25382.46	19.82413	.5001212	631.9441	-.111619	-.926651
#3	.8902078	26337.12	20.29428	.5765692	656.7518	.4030373	.8607811
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	34.09439	2.014245	1192.884	-835.093	434.4894	7.636306	528.2982
SDEV	1.85970	.461632	51.888	11.683	12.2784	.331451	28.7972
%RSD	5.454558	22.91836	4.349766	1.398990	2.825935	4.340465	5.450940
#1	34.62621	2.493571	1188.104	-823.146	441.2598	7.708818	505.3790
#2	32.02672	1.572619	1143.552	-846.493	420.3162	7.274602	518.8936
#3	35.63025	1.976546	1246.997	-835.638	441.8921	7.925498	560.6219
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.131179	-2.90118	21.54312	7.155075	19.31737	3.484890	12.41364
SDEV	.302870	1.90891	1.06463	.479737	.77109	1.342466	2.17173
%RSD	14.21137	65.79779	4.941853	6.704854	3.991709	38.52247	17.49472
#1	2.161645	-4.56962	21.63011	6.980339	20.20609	4.997704	14.67092
#2	1.814228	-.819494	20.43766	6.787197	18.92007	2.435633	10.33899
#3	2.417664	-3.31441	22.56158	7.697688	18.82594	3.021335	12.23101
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.783390	27.01749	15.47035	-16.9376	13.67821	10.21383	.2509645
SDEV	1.319011	.91045	.70557	3.3711	1.14775	1.26735	1.700248
%RSD	168.3722	3.369848	4.560822	19.90308	8.391110	12.40822	677.4854
#1	-.259117	28.06782	16.27844	-14.3006	14.62971	8.902736	1.656148
#2	-2.28393	26.45342	15.15614	-20.7358	14.00141	10.30639	-1.63904
#3	.1928772	26.53122	14.97646	-15.7764	12.40351	11.43237	.7357809
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.454588	253.7388	4597.844
SDEV	.210925	8.0885	74.363
%RSD	14.50063	3.187733	1.617341
#1	1.691855	258.4885	4516.533
#2	1.383572	244.3994	4662.400
#3	1.288337	258.3285	4614.600
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005157-12 OPERATOR:
RUN TIME: 06/11/10 23:32:43
COMMENT: SDG:1005157 CLIENTID:SB64-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4108651	51011.44	172.3863	.8515050	1598.051	1.372762	-.323559
SDEV	.0905872	825.90	1.0846	.0485089	22.135	.145905	.518244
%RSD	22.04793	1.619042	.6291532	5.696842	1.385111	10.62858	160.1697
#1	.4793426	50060.41	171.1359	.8308970	1572.499	1.475731	-.784206
#2	.4451039	51425.62	173.0713	.9069156	1611.357	1.436760	-.424039
#3	.3081488	51548.30	172.9517	.8167026	1610.295	1.205794	.2375669
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	42.15684	9.392630	28718.65	-524.325	1932.795	505.6363	604.3460
SDEV	.83820	.224460	608.04	4.769	34.201	11.3109	76.9758
%RSD	1.988298	2.389750	2.117247	.9095321	1.769502	2.236956	12.73704
#1	41.30370	9.651142	28039.97	-529.813	1894.252	493.1508	686.9029
#2	42.18754	9.247216	28902.26	-521.198	1944.619	508.5593	534.5450
#3	42.97927	9.279531	29213.74	-521.963	1959.516	515.1987	591.5900
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	13.88629	-2.32786	52.98906	38.18946	32.09137	2.654366	10.03794
SDEV	.22242	2.41164	1.30868	.42939	.68277	2.031189	1.83592
%RSD	1.601743	103.5990	2.469714	1.124374	2.127594	76.52255	18.28980
#1	14.11138	-3.61542	51.48166	37.82141	31.39643	1.831890	10.19554
#2	13.66663	.4542961	53.83465	38.08577	32.76129	1.163401	11.78999
#3	13.88086	-3.82247	53.65087	38.66120	32.11639	4.967807	8.128307
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3.274736	36.93947	29.66815	-14.6780	11.30508	13.83488	.4071455
SDEV	1.181230	3.68209	1.01814	5.4617	.38892	1.67557	2.429895
%RSD	36.07101	9.967897	3.431753	37.21005	3.440187	12.11120	596.8124
#1	1.912562	32.69167	30.74700	-17.3400	11.40101	12.94871	2.998400
#2	3.895277	39.22135	29.53329	-18.2983	10.87717	12.78848	.0434183
#3	4.016370	38.90538	28.72417	-8.39571	11.63705	15.76745	-1.82038

ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.272299	405.3984	4850.578
SDEV	1.136820	3.0629	33.285
%RSD	89.35165	.7555324	.6862119
#1	.0671245	402.7487	4888.933
#2	2.325470	408.7520	4829.267
#3	1.424302	404.6945	4833.533

ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005157-13 OPERATOR:
RUN TIME: 06/11/10 23:39:52
COMMENT: SDG:1005157 CLIENTID:SB66-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.5592331	11865.10	18.36303	.1539642	9412.366	.7858532	1.924202
SDEV	.1543911	30.82	.23975	.1484711	44.040	.1061720	.134183
%RSD	27.60765	.2597783	1.305604	96.43226	.4679004	13.51042	6.973414
#1	.4108651	11898.20	18.56677	.3150380	9361.965	.6846648	1.772499
#2	.5478201	11837.23	18.42346	.0225834	9431.704	.8963906	2.027340
#3	.7190139	11859.85	18.09884	.1242712	9443.429	.7765040	1.972768
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	36.53984	10.00660	12297.73	3242.737	8713.488	52.08064	40861.62
SDEV	.47407	.12824	72.53	28.695	23.656	.25590	97.47
%RSD	1.297417	1.281585	.5897561	.8848981	.2714927	.4913596	.2385325
#1	36.01216	9.861183	12244.79	3273.137	8723.206	52.12779	40956.17
#2	36.67754	10.05507	12268.01	3216.124	8686.521	51.80444	40761.47
#3	36.92982	10.10354	12380.40	3238.949	8730.738	52.30969	40867.21
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	11.61723	-2.78843	41.61337	42.14479	22.75769	2.988287	8.153717
SDEV	.35460	2.14806	.14072	.22438	.81434	.722301	1.995400
%RSD	3.052362	77.03490	.3381698	.5323940	3.578327	24.17109	24.47227
#1	11.50377	-.316681	41.74922	42.01184	21.84746	3.814134	5.888371
#2	12.01467	-3.84536	41.62267	42.01868	23.41719	2.474359	8.922006
#3	11.33324	-4.20325	41.46823	42.40384	23.00841	2.676368	9.650774
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	4.463360	28.75038	19.76301	-10.1269	9.533544	18.48689	.8043803
SDEV	2.126712	2.02216	1.97812	2.1906	1.344772	2.30505	1.408651
%RSD	47.64822	7.033493	10.00920	21.63120	14.10569	12.46858	175.1224
#1	5.983013	30.51869	17.51551	-9.87809	10.64746	16.01214	.5720409
#2	2.032937	29.18681	20.53389	-12.4313	9.913501	20.57278	2.314756
#3	5.374130	26.54565	21.23963	-8.07137	8.039673	18.87576	-.473656
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	11.23440	358.0413	4814.355
SDEV	.36728	2.4463	23.467
%RSD	3.269218	.6832409	.4874322
#1	10.84201	356.2952	4790.200
#2	11.29125	356.9915	4837.066
#3	11.56993	360.8373	4815.800
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005157-14 OPERATOR:
RUN TIME: 06/11/10 23:47:01
COMMENT: SDG:1005157 CLIENTID:SB65-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4907555	4505.292	8.265217	.6800829	844.1225	.2104699	.6135948
SDEV	.0790710	56.770	.059994	.1087855	3.9463	.1152148	.4378154
%RSD	16.11210	1.260081	.7258640	15.99591	.4675045	54.74172	71.35253
#1	.4451039	4569.848	8.326762	.6952624	848.6763	.3407788	1.119131
#2	.4451039	4463.150	8.206904	.5645049	841.7035	.1685348	.3635086
#3	.5820589	4482.878	8.261985	.7804814	841.9876	.1220960	.3581447
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	9.618511	2.913654	752.6816	L-1308.48	101.7395	6.635913	524.7327
SDEV	.220330	.256485	8.5053	3.74	3.2253	.081613	25.6761
%RSD	2.290688	8.802868	1.129997	.2861166	3.170199	1.229873	4.893180
#1	9.590161	3.204481	757.6358	L-1304.32	104.1601	6.588277	553.9083
#2	9.851645	2.816711	742.8607	L-1309.56	98.07800	6.589312	514.7112
#3	9.413729	2.719769	757.5483	L-1311.57	102.9805	6.730150	505.5786
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.143658	-6.71645	6.051758	9.870195	11.82082	2.703905	12.68511
SDEV	.563766	1.72418	.159388	.321383	.85397	.912733	1.44264
%RSD	26.29925	25.67103	2.633751	3.256093	7.224262	33.75610	11.37268
#1	1.955146	-5.26287	6.187813	9.500560	11.78646	2.903704	11.04927
#2	2.777524	-8.62143	6.091069	10.02648	10.98455	1.707824	13.77549
#3	1.698303	-6.26505	5.876393	10.08355	12.69144	3.500187	13.23056
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1294549	22.25513	6.608775	-23.1931	15.63030	13.22603	.7229918
SDEV	1.596303	1.25700	1.073423	.8096	1.33703	.77078	1.317165
%RSD	1233.096	5.648142	16.24239	3.490877	8.554090	5.827769	182.1826
#1	1.215241	21.01413	7.176819	-24.0479	16.35657	13.79960	1.258099
#2	-1.70339	22.22373	5.370692	-23.0937	14.08732	12.34987	-.777513
#3	.8765173	23.52754	7.278813	-22.4378	16.44702	13.52863	1.688389
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.242648	389.1003	4456.533
SDEV	1.279419	3.5453	32.841
%RSD	102.9591	.9111503	.7369117
#1	2.110690	393.1000	4422.267
#2	-.226646	387.8557	4487.733
#3	1.843901	386.3451	4459.600
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005157-15 OPERATOR:
RUN TIME: 06/11/10 23:54:10
COMMENT: SDG:1005157 CLIENTID:SS82-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4679297	17134.60	66.47133	.2897658	6815.346	.8532644	1.440353
SDEV	.2429103	149.52	.49689	.1357461	86.578	.0308430	.070880
%RSD	51.91170	.8726284	.7475283	46.84683	1.270334	3.614705	4.921051
#1	.6847752	16963.91	66.29073	.4132399	6716.761	.8727872	1.376848
#2	.2054325	17242.41	66.09000	.1444069	6879.004	.8692989	1.427390
#3	.5135814	17197.49	67.03326	.3116506	6850.274	.8177069	1.516820
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	24.00619	11.42842	10835.04	-716.745	1187.992	121.0563	515.2180
SDEV	.51848	.28585	135.64	5.169	10.500	2.4400	71.1606
%RSD	2.159776	2.501193	1.251893	.7211956	.8838362	2.015572	13.81175
#1	23.95671	11.37995	10729.27	-710.795	1186.936	118.6196	593.9406
#2	23.51422	11.73540	10787.89	-719.307	1178.060	121.0499	496.2505
#3	24.54763	11.16991	10987.97	-720.133	1198.980	123.4995	455.4630
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	8.305519	-3.77225	31.73027	37.35862	53.62989	2.777195	11.80466
SDEV	.681504	1.79055	.19729	.13659	1.49935	1.004512	.92526
%RSD	8.205440	47.46650	.6217829	.3656215	2.795727	36.17001	7.838074
#1	7.826060	-4.00188	31.50592	37.45446	52.55409	1.864789	10.74023
#2	9.085653	-1.87796	31.80815	37.20222	52.99305	3.853623	12.25730
#3	8.004843	-5.43691	31.87673	37.41917	55.34253	2.613172	12.41647
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.068972	59.08424	50.90393	-15.7545	12.02661	10.59380	-.111237
SDEV	.366960	.33636	2.12754	2.1968	.68277	1.23597	1.740258
%RSD	17.73636	.5692875	4.179512	13.94394	5.677195	11.66690	1564.466
#1	1.658006	58.70050	49.48260	-18.2203	11.88971	10.30083	1.864913
#2	2.363845	59.22416	49.87930	-14.0059	12.76747	9.530636	-.783680
#3	2.185064	59.32805	53.34990	-15.0374	11.42267	11.94993	-1.41494
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.235599	491.1711	4741.444
SDEV	.201682	8.1212	19.105
%RSD	16.32262	1.653437	.4029359
#1	1.359098	485.7995	4719.400
#2	1.344837	500.5138	4753.200
#3	1.002862	487.2001	4751.733
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005157-16 OPERATOR:
RUN TIME: 06/12/10 00:01:18
COMMENT: SDG:1005157 CLIENTID:SS82D-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6619493	21257.60	68.89062	.2195745	6610.099	.9464707	1.731997
SDEV	.2201244	87.51	.53580	.1793110	33.758	.1116343	.164983
%RSD	33.25397	.4116444	.7777562	81.66294	.5107012	11.79480	9.525586
#1	.7532527	21319.24	69.50729	.3794612	6572.077	.8412766	1.707533
#2	.4108651	21296.12	68.53902	.2535595	6621.672	1.063588	1.907846
#3	.8217303	21157.44	68.62556	.0257030	6636.549	.9345472	1.580612
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	25.81562	16.16243	12514.63	-702.770	1428.688	138.8387	595.2523
SDEV	.68435	.12619	45.12	7.979	3.227	.7502	11.2256
%RSD	2.650919	.7807698	.3605684	1.135387	.2258702	.5403523	1.885860
#1	25.02548	16.01702	12487.64	-694.297	1432.413	137.9746	607.5478
#2	26.22061	16.24322	12489.53	-703.873	1426.889	139.2184	585.5507
#3	26.20077	16.22706	12566.73	-710.140	1426.761	139.3232	592.6584
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	9.625846	-3.86603	35.10401	44.67864	49.46347	1.359531	12.05554
SDEV	.638828	.66847	.10666	.28109	1.57304	.189470	.25693
%RSD	6.636586	17.29094	.3038310	.6291325	3.180213	13.93644	2.131214
#1	9.554742	-3.88016	34.98103	44.84012	51.02872	1.348669	12.34540
#2	9.025545	-3.19060	35.15976	44.35407	49.47895	1.175725	11.85585
#3	10.29725	-4.52732	35.17124	44.84174	47.88274	1.554199	11.96538
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3.363264	54.59229	46.89995	-18.1810	11.11252	11.32816	.1612068
SDEV	2.313987	2.15274	1.37367	2.0387	1.01221	1.87086	.8856870
%RSD	68.80183	3.943297	2.928944	11.21311	9.108729	16.51512	549.4106
#1	1.735027	56.25029	48.41887	-20.5208	12.26435	9.190956	-.451253
#2	2.342670	55.36721	46.53627	-17.2352	10.36475	12.12401	1.176740
#3	6.012094	52.15937	45.74471	-16.7870	10.70846	12.66950	-.241866
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.605408	691.8078	4601.689
SDEV	.750641	2.5543	33.315
%RSD	46.75705	.3692194	.7239711
#1	.8335484	689.8515	4569.800
#2	1.649816	694.6975	4598.999
#3	2.332860	690.8744	4636.267
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005157-17 OPERATOR:
RUN TIME: 06/12/10 00:08:28
COMMENT: SDG:1005157 CLIENTID:SS82-2-3 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.182607	131464.4	219.1996	.6550304	6683.475	2.703579	3.774805
SDEV	.978254	1172.1	3.1874	.1294213	184.153	.046388	.839781
%RSD	535.7165	.8915983	1.454127	19.75806	2.755341	1.715818	22.24700
#1	.5135814	131974.2	217.3766	.6498457	6794.806	2.737058	4.262301
#2	.2396713	130123.7	217.3422	.5282794	6784.706	2.723051	4.257000
#3	-1.30107	132295.3	222.8801	.7869663	6470.914	2.650628	2.805115
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	128.0833	23.61083	55811.38	1072.142	2625.279	61.68794	535.6808
SDEV	3.8695	.40779	1280.69	48.608	38.960	1.22129	160.1493
%RSD	3.021062	1.727114	2.294676	4.533721	1.484050	1.979784	29.89640
#1	130.8234	23.67546	56865.13	1054.070	2668.073	62.69434	646.6934
#2	129.7698	23.98244	56183.04	1035.158	2615.901	62.04024	608.2565
#3	123.6569	23.17459	54385.96	1127.197	2591.863	60.32922	352.0927
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	31.64897	.1004283	145.6367	41.18594	39.81117	2.246197	11.82401
SDEV	1.11049	3.002837	4.0306	1.26157	.89597	1.416853	2.52903
%RSD	3.508776	2990.032	2.767604	3.063113	2.250546	63.07784	21.38898
#1	32.73772	-.253082	149.1508	41.44364	39.37293	3.870092	10.34585
#2	30.51795	3.264374	146.5224	42.29876	39.21867	1.261928	10.38196
#3	31.69124	-2.71001	141.2368	39.81541	40.84190	1.606571	14.74421
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	14.81794	27.88959	45.75975	-19.8049	13.25260	13.86838	-1.05254
SDEV	.94605	12.40636	7.49146	15.1360	6.78649	3.25516	3.53687
%RSD	6.384468	44.48385	16.37128	76.42565	51.20871	23.47178	336.0330
#1	14.73469	37.39468	40.35735	-9.53842	10.56172	15.34480	1.355158
#2	13.91627	32.41919	42.61011	-12.6887	8.224213	16.12369	.6004837
#3	15.80286	13.85492	54.31181	-37.1876	20.97188	10.13665	-5.11325
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.871391	875.3867	4628.511
SDEV	1.017402	8.6867	110.658
%RSD	35.43236	.9923306	2.390787
#1	3.349151	870.1986	4681.400
#2	3.561982	885.4152	4702.800
#3	1.703041	870.5461	4501.333
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005157-18 OPERATOR:
RUN TIME: 06/12/10 00:15:37
COMMENT: SDG:1005157 CLIENTID:SS82D-2-3 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6733623	84349.31	146.6294	.6686044	4520.168	2.093309	2.846755
SDEV	.1296259	369.30	1.2240	.0808578	125.358	.228616	.636805
%RSD	19.25054	.4378173	.8347604	12.09352	2.773294	10.92128	22.36952
#1	.8217303	83924.91	145.2741	.7074039	4380.527	1.834284	2.472075
#2	.6162977	84525.64	146.9599	.5756592	4556.977	2.266924	2.486160
#3	.5820589	84597.40	147.6542	.7227501	4623.001	2.178718	3.582029
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	82.55077	23.09380	37664.00	208.9090	1731.924	40.28246	636.7692
SDEV	2.76572	.18208	1160.71	11.9987	45.294	1.38148	68.8137
%RSD	3.350322	.7884397	3.081743	5.743503	2.615260	3.429470	10.80670
#1	79.88771	22.88376	36493.26	222.7027	1688.980	39.00563	686.5701
#2	82.35576	23.20690	37684.35	203.1389	1727.543	40.09278	558.2476
#3	85.40882	23.19075	38814.41	200.8854	1779.250	41.74898	665.4900
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	20.50622	-2.68008	94.78310	107.5413	32.82247	3.920941	11.25898
SDEV	.55086	3.52761	1.82371	4.7959	.64184	2.306158	3.28722
%RSD	2.686330	131.6236	1.924091	4.459579	1.955478	58.81644	29.19640
#1	19.89773	.8386517	92.91608	102.4824	32.15825	2.723851	7.961787
#2	20.64996	-2.66237	94.87307	108.1198	33.43929	2.459487	11.27903
#3	20.97096	-6.21651	96.56017	112.0217	32.86987	6.579485	14.53613
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	7.697047	35.51306	31.47597	-11.6086	11.67147	24.91138	.3908721
SDEV	.303598	2.17365	1.28959	3.0780	1.92108	1.26215	.8047898
%RSD	3.944350	6.120694	4.097052	26.51479	16.45965	5.066564	205.8959
#1	7.570119	36.12680	30.17371	-13.1627	10.65263	23.46804	.5015095
#2	8.043510	37.31384	31.50171	-13.5996	10.47443	25.45814	-.463512
#3	7.477510	33.09853	32.75250	-8.06337	13.88737	25.80797	1.134619
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.453390	631.3180	4691.155
SDEV	.715886	9.3380	14.919
%RSD	29.17944	1.479127	.3180221
#1	3.236628	620.5473	4674.400
#2	2.290672	636.2659	4702.999
#3	1.832870	637.1409	4696.066
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV1 OPERATOR:
RUN TIME: 06/12/10 00:22:46
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	103.7891	47350.82	982.8237	999.0897	47772.31	959.1031	976.2203
SDEV	.3325	302.36	6.7566	4.8680	255.48	4.3796	4.7720
%RSD	.3204087	.6385453	.6874672	.4872434	.5347921	.4566301	.4888261
#1	104.1543	47053.50	987.5452	997.3087	47600.32	958.0179	979.4805
#2	103.7092	47340.98	975.0841	995.3630	47650.71	955.3682	970.7430
#3	103.5038	47657.97	985.8417	1004.597	48065.87	963.9232	978.4373
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	960.0287	1018.508	23960.79	50506.01	49557.64	978.0323	49921.02
SDEV	6.1603	1.851	81.84	52.15	128.86	3.6276	38.46
%RSD	.6416756	.1817669	.3415607	.1032459	.2600252	.3709088	.0770360
#1	964.7410	1019.273	24029.09	50532.82	49654.91	977.6769	49877.75
#2	953.0580	1019.854	23870.08	50445.91	49411.49	974.5954	49934.01
#3	962.2873	1016.397	23983.19	50539.29	49606.53	981.8245	49951.30
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	957.9149	957.3351	980.5195	1021.568	958.7723	967.1327	993.9440
SDEV	1.5596	1.4005	3.1417	5.019	4.1020	3.1246	6.0178
%RSD	.1628116	.1462930	.3204155	.4912571	.4278416	.3230747	.6054452
#1	957.9421	957.6022	977.6448	1022.595	961.1286	965.7465	995.4569
#2	956.3418	958.5829	980.0405	1016.116	954.0357	964.9411	987.3142
#3	959.4606	955.8203	983.8733	1025.994	961.1526	970.7106	999.0611
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	988.2919	949.8910	963.2036	963.0704	969.1585	996.6242	972.7501
SDEV	4.1597	4.8773	4.2290	6.3509	4.7798	5.7852	5.0227
%RSD	.4208936	.5134631	.4390535	.6594412	.4931915	.5804812	.5163386
#1	988.0792	949.8480	966.7579	955.7612	970.7293	1000.260	976.2061
#2	984.2426	945.0353	958.5266	967.2401	963.7909	989.9530	966.9886
#3	992.5538	954.7897	964.3263	966.2098	972.9551	999.6598	975.0557
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1006.192	976.7997	4726.822
SDEV	4.903	2.5058	15.646
%RSD	.4872789	.2565363	.3310120
#1	1010.488	974.0319	4734.733
#2	1000.851	977.4530	4736.933
#3	1007.237	978.9141	4708.800
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB1 OPERATOR:
RUN TIME: 06/12/10 00:29:55
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0228258	11.24328	.2819497	.1346620	379.6654	-.052999	-.337597
SDEV	.3290010	3.97203	.0660046	.1258160	.7795	.130082	.108882
%RSD	1441.354	35.32804	23.41005	93.43095	.2053078	245.4432	32.25200
#1	.3766263	12.99053	.3336058	.1173697	379.9597	-.062462	-.427283
#2	-.273910	14.04217	.3046534	.2682297	378.7817	-.178091	-.216448
#3	-.034239	6.697141	.2075898	.0183866	380.2550	.0815567	-.369059
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.218363	.5008683	14.44607	-1430.32	9.009926	.4188465	-19.2349
SDEV	.370595	.2430731	2.26646	2.70	1.589368	.0495410	24.3566
%RSD	30.41745	48.53035	15.68912	.1884908	17.64019	11.82797	126.6271
#1	1.592262	.3769975	15.74960	-1427.67	10.82681	.3845103	-5.17489
#2	.8511633	.3446831	11.82899	-1430.23	7.877226	.3963902	-47.3595
#3	1.211662	.7809242	15.75962	-1433.06	8.325743	.4756388	-5.17034
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6912206	2.451986	.2004250	1.598172	1.270014	.5556583	1.834476
SDEV	.2451718	2.497346	.3223282	.475628	1.184218	.5424771	1.651034
%RSD	35.46939	101.8499	160.8224	29.76072	93.24446	97.62781	90.00030
#1	.4184087	4.813107	.5644363	2.147337	2.538222	.6153178	2.209602
#2	.8931204	-.162300	.0856298	1.329531	.1930684	1.065840	.0281560
#3	.7621327	2.705151	-.048791	1.317649	1.078752	-.014182	3.265669
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3739049	.7637985	1.520160	-1.44416	1.551488	-1.16200	.7208864
SDEV	1.006182	1.543737	1.404218	1.17197	.638046	.61132	.9367750
%RSD	269.1011	202.1130	92.37301	81.15247	41.12482	52.60930	129.9477
#1	1.096491	1.328203	3.139759	-.313836	1.076633	-.459644	1.234741
#2	-.775300	-.982715	.7774493	-1.36489	2.276755	-1.57430	1.288284
#3	.8005233	1.945907	.6432716	-2.65376	1.301074	-1.45205	-.360366
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.108976	.5096512	4673.866
SDEV	.525102	.0909744	73.958
%RSD	47.35020	17.85033	1.582367
#1	1.594773	.5622329	4705.200
#2	1.180296	.4046030	4589.400
#3	.5518588	.5621176	4726.999
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052615-BLK1 OPERATOR:
RUN TIME: 06/12/10 00:37:04
COMMENT: SDG:1005133 CLIENTID:PBS 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4793426	30.67139	.3694932	.6165264	436.1022	-.251880	-.357889
SDEV	.1492433	6.24498	.0546093	.1541750	.1255	.292236	.373785
%RSD	31.13499	20.36094	14.77951	25.00704	.0287871	116.0220	104.4419
#1	.3766263	37.35300	.3958766	.7847596	436.1907	-.400310	-.535944
#2	.6505364	24.98178	.4059010	.5828388	436.1574	-.440111	-.609357
#3	.4108651	29.67938	.3067020	.4819806	435.9585	.0847819	.0716354
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.366901	.9963511	20.35344	L-1422.80	15.23439	.6224989	220.7360
SDEV	.137095	.1779725	1.26248	5.37	2.71006	.1218330	58.3345
%RSD	10.02964	17.86243	6.202795	.3773106	17.78909	19.57160	26.42727
#1	1.359827	1.168693	21.81016	L-1426.26	12.33328	.7047043	169.1013
#2	1.233480	.8132375	19.67337	L-1416.62	17.70086	.6802647	284.0140
#3	1.507397	1.007122	19.57679	L-1425.53	15.66904	.4825277	209.0926
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1753628	.1578268	.1693126	1.902268	1.515161	.8260852	6.004658
SDEV	.6358930	2.496587	.2804131	.552586	1.037683	.2210363	.614988
%RSD	362.6158	1581.852	165.6186	29.04877	68.48665	26.75708	10.24185
#1	-.546692	-.381004	-.154444	2.430138	1.315110	.9627680	6.714073
#2	.4209003	-2.02535	.3354149	1.327904	2.638304	.9444130	5.622410
#3	.6518797	2.879831	.3269667	1.948763	.5920681	.5710746	5.677491
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.989272	7.534621	-1.49269	-9.08769	5.772909	8.540207	.0547027
SDEV	1.272644	2.023202	1.06078	3.34333	1.579604	1.709645	.5939084
%RSD	128.6446	26.85208	71.06486	36.78961	27.36235	20.01878	1085.702
#1	-1.52273	5.689618	-.871564	-11.3779	7.121158	6.647413	-.218242
#2	-1.90837	9.698218	-.888977	-5.25111	4.034916	9.000923	.7360174
#3	.4632863	7.216027	-2.71753	-10.6341	6.162653	9.972285	-.353667
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.4347244	-.051242	4582.822
SDEV	.0879347	.042970	102.019
%RSD	20.22768	83.85686	2.226112
#1	.5030271	-.027959	4469.600
#2	.4656388	-.100828	4611.267
#3	.3355072	-.024938	4667.600
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052628-BLK1 OPERATOR:
RUN TIME: 06/12/10 00:44:13
COMMENT: SDG:1005177 CLIENTID:PBS 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6048847	41.19670	.9477323	.1296417	727.8345	.1328917	.6516993
SDEV	.1425473	6.79671	.0707620	.1021343	6.8092	.1960299	.3649133
%RSD	23.56603	16.49818	7.466458	78.78199	.9355399	147.5110	55.99412
#1	.7190139	34.95285	1.029038	.1168281	721.1013	-.084551	.2798412
#2	.6505364	48.43639	.9140978	.2375781	727.6851	.2960804	1.009247
#3	.4451039	40.20085	.9000607	.0345188	734.7172	.1871459	.6660098
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.955368	1.949617	63.67022	L-1390.85	50.76051	1.884070	501.0253
SDEV	.247937	.195449	4.30823	5.61	1.37621	.070669	48.5575
%RSD	8.389375	10.02501	6.766478	.4034404	2.711189	3.750856	9.691635
#1	3.026494	2.170430	60.02280	L-1384.42	49.18734	1.802469	542.0551
#2	2.679642	1.798817	68.42362	L-1393.38	51.74158	1.925201	447.4158
#3	3.159969	1.879603	62.56424	L-1394.74	51.35259	1.924539	513.6051
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.002905	-6.37797	.5567141	5.399123	4.520013	.9227420	11.50921
SDEV	.804308	.39445	.1478020	.278253	.457365	.8701838	2.12121
%RSD	80.19781	6.184582	26.54900	5.153676	10.11867	94.30413	18.43054
#1	1.929116	-6.17631	.4643586	5.077825	4.953862	1.834384	11.33520
#2	.5990492	-6.83248	.4786007	5.560273	4.563884	.1009959	9.480372
#3	.4805496	-6.12511	.7271829	5.559272	4.042293	.8328457	13.71207
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.758885	13.86364	-.147412	-20.5668	11.64881	32.01083	2.019567
SDEV	.382172	3.11528	.904419	.9682	1.76794	2.61413	1.582882
%RSD	50.35970	22.47083	613.5318	4.707518	15.17699	8.166389	78.37730
#1	-.948679	17.22334	-1.17427	-21.6797	13.57119	29.71989	3.820329
#2	-1.00901	13.29700	.2012319	-19.9176	10.09269	31.45413	.8481578
#3	-.318967	11.07058	.5307977	-20.1032	11.28256	34.85847	1.390213
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.4996272	.7310077	4624.733
SDEV	.4017848	.0312112	36.962
%RSD	80.41690	4.269618	.7992320
#1	.9161910	.6992435	4667.400
#2	.4682266	.7321448	4602.466
#3	.1144642	.7616349	4604.333
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052628-BS1 OPERATOR:
RUN TIME: 06/12/10 00:51:21
COMMENT: SDG:1005177 CLIENTID:LCSS 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	766.8227	65569.12	1467.026	1364.084	39894.01	2156.784	651.3054
SDEV	5.4163	579.76	21.079	12.511	411.72	9.220	7.1946
%RSD	.7063258	.8841962	1.436875	.9171643	1.032038	.4275027	1.104643
#1	764.2776	65385.21	1488.411	1349.641	39418.89	2146.806	645.1594
#2	773.0427	65103.61	1446.266	1371.605	40146.11	2158.556	649.5377
#3	763.1477	66218.52	1466.401	1371.005	40117.04	2164.989	659.2191
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	561.3769	1379.822	99471.41	23416.63	19441.32	2861.313	4045.549
SDEV	4.9757	.610	518.25	290.67	127.25	27.440	59.578
%RSD	.8863360	.0441962	.5210033	1.241297	.6545227	.9589864	1.472686
#1	556.3268	1380.237	98955.99	23525.13	19391.80	2838.571	4113.977
#2	561.5292	1380.108	99465.80	23087.31	19346.27	2853.578	4005.188
#3	566.2747	1379.122	99992.45	23637.44	19585.88	2891.790	4017.482
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	459.9888	1407.532	621.2048	1060.954	672.0171	679.6090	312.4834
SDEV	2.4370	13.660	4.6737	10.215	5.7184	4.7192	1.5331
%RSD	.5297879	.9705027	.7523596	.9628242	.8509256	.6943925	.4906279
#1	457.2140	1393.703	616.9432	1049.242	667.4473	680.0707	311.8550
#2	460.9715	1407.878	620.4681	1068.020	670.1743	674.6759	311.3642
#3	461.7811	1421.016	626.2031	1065.600	678.4296	684.0803	314.2308
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	715.5021	670.0153	673.0136	657.0391	690.8742	1656.910	.5304267
SDEV	4.5323	3.3221	6.9234	13.3104	6.5716	7.531	1.629186
%RSD	.6334367	.4958196	1.028711	2.025816	.9512041	.4545464	307.1462
#1	711.7446	667.6252	667.3558	670.6089	684.7918	1648.869	2.351464
#2	714.2261	668.6119	670.9513	644.0042	689.9861	1658.060	-.788887
#3	720.5356	673.8087	680.7338	656.5043	697.8447	1663.800	.0287034
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	553.1516	2563.408	4971.555
SDEV	1.8127	23.851	49.136
%RSD	.3276970	.9304442	.9883335
#1	554.1840	2544.457	4960.733
#2	551.0586	2555.578	5025.200
#3	554.2122	2590.190	4928.733
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005177-01 OPERATOR:
RUN TIME: 06/12/10 00:58:30
COMMENT: SDG:1005177 CLIENTID:59SB13-00 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4679297	237399.6	251.0887	1.509274	149020.2	13.34502	109.9496
SDEV	.7658571	3124.3	4.2315	.310291	1593.3	.49289	1.3780
%RSD	163.6693	1.316069	1.685245	20.55897	1.069216	3.693470	1.253337
#1	.9929240	235967.5	248.8688	1.867513	148138.0	13.18315	109.0258
#2	.8217303	235248.1	248.4291	1.324714	148063.2	12.95341	109.2894
#3	-.410865	240983.3	255.9681	1.335597	150859.6	13.89849	111.5335
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	41.80547	664.0223	215178.7	2604.837	72525.17	2957.789	9541.271
SDEV	.91820	2.2454	2408.4	34.133	845.54	48.894	105.990
%RSD	2.196359	.3381569	1.119234	1.310389	1.165852	1.653076	1.110861
#1	42.06131	663.4460	213811.2	2597.929	72057.63	2917.027	9660.374
#2	40.78648	666.4997	213765.5	2574.685	72016.66	2944.339	9506.103
#3	42.56862	662.1211	217959.5	2641.896	73501.23	3012.001	9457.333
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	43.42757	20.08983	794.9929	409.6807	33.05906	-2.05574	3.629362
SDEV	1.25842	5.61244	5.4254	3.2412	2.76826	4.98348	4.964145
%RSD	2.897737	27.93670	.6824507	.7911484	8.373670	242.4181	136.7773
#1	43.09165	25.25000	790.5688	412.7807	33.11062	L-7.69440	6.947848
#2	42.37120	20.90517	793.3636	406.3147	30.26539	1.758173	-2.07753
#3	44.81985	14.11432	801.0463	409.9467	35.80118	-.230986	6.017769
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.181591	6.230082	46.45002	-9.17387	1.495254	14.84527	-2.22071
SDEV	.787610	8.322060	7.73268	14.76619	10.13884	7.23549	1.63413
%RSD	433.7264	133.5787	16.64732	160.9593	678.0676	48.73938	73.58569
#1	.4347096	12.64355	43.32540	-6.89694	-8.09528	22.04646	-.775785
#2	-1.06893	9.220711	40.76859	4.321605	.4756851	14.91338	-1.89222
#3	.0894467	-3.17401	55.25609	-24.9463	12.10535	7.575962	-3.99413

ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-3.11047	4429.252	4428.711
SDEV	3.03145	44.123	67.846
%RSD	97.45958	.9961649	1.531962
#1	-.955518	4400.495	4431.600
#2	-1.79904	4407.208	4495.066
#3	-6.57683	4480.053	4359.466

ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052628-DUP1 OPERATOR:
RUN TIME: 06/12/10 01:05:39
COMMENT: SDG:1005177 CLIENTID:59SB13-00D 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.8673819	224996.7	268.1438	1.271735	162582.2	11.46035	105.8889
SDEV	.1688958	602.0	1.5444	.294408	746.2	.56205	1.4258
%RSD	19.47190	.2675543	.5759757	23.15009	.4589721	4.904262	1.346547
#1	1.061402	224364.8	269.1684	1.604902	161737.3	12.06452	105.0320
#2	.7532527	225563.5	268.8956	1.163680	162858.4	10.95301	107.5349
#3	.7874914	225061.7	266.3674	1.046622	163151.0	11.36352	105.1000
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	46.70139	599.3726	185131.7	2195.519	56312.61	2822.918	9902.944
SDEV	.98767	1.2252	1164.2	19.333	391.85	25.493	106.432
%RSD	2.114859	.2044153	.6288588	.8805612	.6958549	.9030690	1.074753
#1	45.62404	597.9938	184019.3	2216.170	55986.02	2798.035	10018.18
#2	47.56407	599.7873	186341.6	2192.535	56747.11	2848.980	9808.338
#3	46.91605	600.3366	185034.1	2177.851	56204.68	2821.738	9882.315
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	40.91979	19.19496	719.5202	378.0494	39.66232	.1165693	8.712346
SDEV	.77867	5.27122	8.2680	1.6973	2.62738	1.932798	1.751666
%RSD	1.902924	27.46147	1.149100	.4489599	6.624363	1658.068	20.10556
#1	40.31685	25.19400	710.3768	376.0895	42.65226	1.966732	6.968053
#2	41.79891	17.08673	726.4708	379.0318	38.61268	.2724066	8.697692
#3	40.64362	15.30415	721.7130	379.0267	37.72202	-1.88943	10.47129
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.306042	19.66469	49.64277	-5.80324	3.069333	20.67416	-1.76861
SDEV	1.662567	3.18619	2.78044	2.16629	3.058179	1.27586	3.48456
%RSD	127.2982	16.20260	5.600899	37.32903	99.63657	6.171300	197.0226
#1	2.273202	23.00345	52.45853	-4.33431	5.109810	21.07427	1.924350
#2	-.613707	16.65691	49.57073	-8.29113	4.545052	21.70201	-2.23172
#3	2.258630	19.33371	46.89905	-4.78427	-.446861	19.24619	-4.99846
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-2.61028	4226.385	4480.644
SDEV	.66507	21.365	29.456
%RSD	25.47910	.5055056	.6574026
#1	-1.93138	4222.316	4452.600
#2	-3.26061	4207.348	4477.999
#3	-2.63884	4249.492	4511.333
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052628-MS1 OPERATOR:
RUN TIME: 06/12/10 01:12:48
COMMENT: SDG:1005177 CLIENTID:59SB13-00S 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	45.18375	284297.7	2193.862	46.10286	149079.6	56.56082	563.1260
SDEV	.24291	758.0	10.718	.12157	1569.5	.52890	3.0850
%RSD	.5376028	.2666368	.4885455	.2636897	1.052818	.9350981	.5478417
#1	45.40059	285036.1	2200.112	46.20932	150782.7	56.78616	566.2982
#2	45.22940	283521.4	2181.486	45.97039	148764.6	55.95657	560.1362
#3	44.92125	284335.7	2199.989	46.12886	147691.4	56.93973	562.9436
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	233.3861	904.2075	230034.8	1855.981	77747.88	3955.361	11122.92
SDEV	2.4668	2.0336	1429.5	32.428	432.94	12.007	69.17
%RSD	1.056981	.2248989	.6214378	1.747227	.5568482	.3035715	.6218561
#1	236.1820	905.3816	231577.3	1823.065	78162.77	3968.269	11155.92
#2	232.4603	905.3816	228754.6	1856.978	77298.91	3944.524	11043.43
#3	231.5162	901.8594	229772.5	1887.899	77781.98	3953.290	11169.41
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	469.2081	68.72720	1333.673	814.0267	43.04795	6.019795	66.76085
SDEV	1.4235	1.80848	10.184	6.1379	2.05889	1.927903	3.05247
%RSD	.3033901	2.631394	.7635897	.7540168	4.782782	32.02605	4.572238
#1	469.2201	68.68584	1344.717	821.0525	41.20915	6.775531	63.45367
#2	470.6255	66.93976	1324.655	809.7062	42.66231	3.828517	69.47013
#3	467.7785	70.55602	1331.646	811.3214	45.27239	7.455337	67.35874
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	36.51512	11.70466	58.69256	4.765224	6.643303	729.6851	921.2990
SDEV	1.88774	2.15010	3.06443	2.214802	2.581937	4.6543	4.6126
%RSD	5.169755	18.36960	5.221164	46.47844	38.86526	.6378461	.5006661
#1	37.08476	9.787369	56.89297	3.018878	8.648216	733.6461	922.9832
#2	38.05244	14.02930	56.95383	4.020355	3.729919	724.5590	916.0810
#3	34.40816	11.29733	62.23089	7.256436	7.551773	730.8504	924.8329
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	795.5459	6955.816	4281.667
SDEV	1.7424	12.366	31.092
%RSD	.2190170	.1777864	.7261608
#1	795.6715	6967.495	4305.866
#2	793.7441	6957.094	4292.533
#3	797.2221	6942.861	4246.600
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052628-MSD1 OPERATOR:
RUN TIME: 06/12/10 01:19:58
COMMENT: SDG:1005177 CLIENTID:59SB13-00SD 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	48.44784	287789.3	2184.954	47.13526	192905.1	58.11180	582.5491
SDEV	.45294	3249.5	12.440	.21197	3685.5	.39764	7.4900
%RSD	.9348945	1.129121	.5693352	.4497157	1.910508	.6842701	1.285737
#1	47.93426	284659.0	2197.799	46.89279	188668.9	57.83944	573.9022
#2	48.61904	291146.1	2184.101	47.28550	194671.5	58.56811	587.0275
#3	48.79023	287562.8	2172.963	47.22748	195374.8	57.92784	586.7177
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	223.6253	966.6223	217919.2	1727.615	73264.76	4603.342	12347.15
SDEV	6.7711	4.8794	3764.7	28.952	1207.74	89.445	73.83
%RSD	3.027879	.5047841	1.727566	1.675808	1.648455	1.943043	.5979550
#1	215.8078	961.0911	213598.5	1754.138	71873.71	4500.469	12329.43
#2	227.4214	968.4588	219665.2	1731.978	74046.12	4646.828	12428.23
#3	227.6467	970.3168	220493.8	1696.730	73874.44	4662.730	12283.79
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	482.3786	57.15802	1321.356	837.7831	42.39123	6.724420	63.01593
SDEV	4.8348	1.02174	33.335	15.2539	2.39020	2.208215	2.24567
%RSD	1.002291	1.787563	2.522768	1.820744	5.638438	32.83874	3.563649
#1	476.8065	56.76329	1285.331	820.4730	39.70410	7.992577	60.42838
#2	485.4644	58.31824	1351.110	843.6185	43.18931	8.006080	64.16322
#3	484.8648	56.39253	1327.628	849.2578	44.28028	4.174605	64.45618
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	36.54295	24.46974	51.33477	10.33491	4.919215	735.8334	920.0674
SDEV	2.42681	4.21966	5.14606	5.01961	2.799751	8.8204	5.4727
%RSD	6.640979	17.24441	10.02451	48.56948	56.91459	1.198692	.5948160
#1	35.13725	28.24358	45.42241	16.11165	3.936447	726.0522	918.5859
#2	39.34518	19.91371	54.80566	7.856962	8.077850	738.2651	926.1283
#3	35.14642	25.25192	53.77623	7.036113	2.743347	743.1828	915.4879
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	818.8210	6530.446	4545.422
SDEV	6.7912	66.025	28.008
%RSD	.8293892	1.011036	.6161726
#1	810.9916	6462.300	4517.800
#2	823.1177	6594.123	4544.667
#3	822.3538	6534.915	4573.800
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: SDI1005177-01 OPERATOR:
RUN TIME: 06/12/10 01:27:07
COMMENT: SDG:1005177 CLIENTID:59SB13-00L 1:5
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4679297	48278.87	48.80214	-.264841	31926.16	1.983854	24.05611
SDEV	.1885724	1203.09	1.45748	.192956	819.88	.415716	1.29117
%RSD	40.29930	2.491951	2.986518	72.85710	2.568049	20.95495	5.367329
#1	.3766263	48999.84	49.28388	-.259070	32483.26	2.402872	24.74843
#2	.6847752	46890.00	47.16477	-.460618	30984.72	1.571521	22.56643
#3	.3423876	48946.76	49.95777	-.074836	32310.52	1.977170	24.85348
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	9.573453	139.5646	47850.53	-670.337	16255.56	642.0536	1893.127
SDEV	.948223	1.2465	1110.26	12.224	418.58	13.4381	47.152
%RSD	9.904712	.8931614	2.320260	1.823527	2.574978	2.092984	2.490701
#1	10.13642	139.8608	48515.17	-664.238	16503.13	650.9314	1935.826
#2	8.478687	138.1966	46568.81	-684.411	15772.27	626.5933	1842.521
#3	10.10525	140.6363	48467.61	-662.364	16491.26	648.6360	1901.033
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	10.14791	-.640811	171.0436	96.05217	7.507827	3.768407	3.472358
SDEV	.87239	2.777843	3.8134	2.63697	.866278	3.395122	2.555991
%RSD	8.596717	433.4889	2.229472	2.745351	11.53833	90.09437	73.60965
#1	10.52280	-.049854	173.6737	98.50665	6.613376	7.437926	4.894334
#2	9.150745	-3.66658	166.6702	93.26440	7.567230	.7387298	.5215986
#3	10.77019	1.794002	172.7870	96.38546	8.342874	3.128565	5.001141
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.8200564	5.434838	8.539687	.4730214	5.411164	2.881065	-.535944
SDEV	1.042549	3.673609	1.010761	3.146583	3.956561	1.451395	1.273089
%RSD	127.1314	67.59371	11.83604	665.2095	73.11848	50.37705	237.5416
#1	1.714608	1.213606	9.306095	3.953364	9.175098	4.489871	-.579047
#2	1.070450	7.907808	7.394183	-.363602	1.286659	2.483300	-1.78693
#3	-.324888	7.183100	8.918783	-2.17070	5.771734	1.670022	.7581495
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.1470876	916.5214	4903.244
SDEV	1.037824	21.6004	92.617
%RSD	705.5819	2.356783	1.888901
#1	-.149632	929.4697	4842.066
#2	-.710060	891.5856	5009.800
#3	1.300955	928.5090	4857.866
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052628-PS1 OPERATOR:
RUN TIME: 06/12/10 01:34:15
COMMENT: SDG:1005177 CLIENTID:59SB13-00A 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	19.76718	239328.3	660.8033	11.30974	149944.8	21.77742	205.4457
SDEV	.38178	1707.0	8.9284	.52053	1585.8	.42623	3.8175
%RSD	1.931381	.7132279	1.351144	4.602457	1.057579	1.957215	1.858135
#1	20.20087	240377.5	652.5710	11.04857	151250.5	21.60112	205.4954
#2	19.48185	237358.7	659.5449	10.97151	148180.1	21.46762	201.6036
#3	19.61881	240248.7	670.2943	11.90914	150403.6	22.26351	209.2380
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	61.98734	715.7463	216220.0	2636.682	72469.83	3013.854	9713.714
SDEV	1.13445	1.9334	2542.3	56.241	537.18	41.874	258.093
%RSD	1.830128	.2701248	1.175806	2.133022	.7412444	1.389369	2.657000
#1	60.76910	717.2490	216486.8	2618.059	72634.53	3026.133	9618.177
#2	62.17944	713.5651	213554.8	2592.115	71869.58	2967.214	9517.011
#3	63.01347	716.4250	218618.5	2699.873	72905.37	3048.216	10005.95
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	117.8728	39.95421	907.0584	447.4229	38.86728	6.559993	128.6883
SDEV	1.9793	7.02725	4.5296	4.5159	.91394	2.462765	5.5079
%RSD	1.679148	17.58827	.4993674	1.009311	2.351442	37.54218	4.280018
#1	115.6165	48.02208	912.2496	447.7964	38.43751	3.716747	123.9782
#2	118.6858	35.16902	903.9105	442.7319	38.24744	7.934990	134.7445
#3	119.3161	36.67152	905.0149	451.7405	39.91689	8.028243	127.3424
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	23.00300	6.588842	54.97888	-4.48362	12.07077	17.38575	-.185448
SDEV	3.75957	16.84037	7.87606	17.16803	10.51967	8.15422	3.570491
%RSD	16.34382	255.5892	14.32561	382.9057	87.14998	46.90178	1925.337
#1	23.47436	18.76479	48.25572	3.244197	3.949936	12.57641	-1.34131
#2	26.50467	-12.6295	63.64439	-24.1574	23.95440	12.78013	-3.03482
#3	19.02998	13.63129	53.03652	7.462345	8.307983	26.80070	3.819785
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-2.38382	4492.755	4410.355
SDEV	1.90582	29.738	41.172
%RSD	79.94785	.6619179	.9335291
#1	-3.16534	4527.027	4430.400
#2	-3.77465	4477.477	4437.667
#3	-.211476	4473.761	4362.999
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005177-02 OPERATOR:
RUN TIME: 06/12/10 01:41:25
COMMENT: SDG:1005177 CLIENTID:59SB18-00 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.209769	211491.4	472.3355	1.333822	648846.4	18.05423	121.7793
SDEV	.366104	1912.5	2.6342	.475020	7445.9	.67338	.8947
%RSD	30.26229	.9042864	.5576986	35.61345	1.147554	3.729735	.7347131
#1	1.609222	209284.2	475.2277	1.831838	641377.1	18.83134	120.7472
#2	.8902078	212532.4	470.0736	1.283886	648893.6	17.64300	122.2531
#3	1.129879	212657.6	471.7051	.8857427	656268.6	17.68836	122.3374
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	169.6269	590.5723	244539.3	4893.653	96869.07	3590.771	25542.65
SDEV	2.9250	1.3294	2189.9	25.211	1090.51	44.773	94.19
%RSD	1.724350	.2251046	.8955092	.5151701	1.125756	1.246894	.3687436
#1	166.7737	589.0429	242703.8	4913.118	95903.66	3540.686	25632.78
#2	169.4884	591.4502	243950.9	4902.667	96651.63	3604.710	25550.28
#3	172.6187	591.2240	246963.3	4865.174	98051.91	3626.916	25444.87
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	92.53773	34.26910	880.6973	581.8886	58.99416	-4.47919	5.761355
SDEV	.63818	5.03597	17.1428	1.9928	.22472	4.27784	1.898693
%RSD	.6896454	14.69538	1.946504	.3424787	.3809151	95.50478	32.95567
#1	91.80148	40.07532	862.7507	579.7281	58.93629	L-7.94213	7.953750
#2	92.93271	31.64331	882.4378	582.2828	58.80403	L-5.79829	4.655628
#3	92.87901	31.08867	896.9035	583.6549	59.24215	.3028463	4.674687
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	4.537377	39.43529	68.75470	2.306401	-7.86972	20.42252	-1.35439
SDEV	.935984	3.54580	1.43799	8.879767	2.46025	4.03595	1.45792
%RSD	20.62831	8.991443	2.091482	385.0054	31.26221	19.76226	107.6434
#1	3.681130	37.93539	69.41675	-2.62953	-10.5973	22.31001	-.186095
#2	4.394363	36.88593	69.74242	-3.00880	-7.19376	15.78866	-2.98822
#3	5.536637	43.48455	67.10493	12.55753	-5.81812	23.16889	-.888864
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-3.02540	5952.405	4311.178
SDEV	1.70897	49.853	20.034
%RSD	56.48739	.8375255	.4647065
#1	-1.21856	5896.122	4291.267
#2	-3.24175	5991.009	4310.933
#3	-4.61588	5970.083	4331.333
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV2 OPERATOR:
RUN TIME: 06/12/10 01:48:34
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	105.7978	46166.49	951.8557	1006.228	48900.97	974.5821	992.0393
SDEV	3.3238	642.12	13.5982	9.408	667.24	12.7398	11.1449
%RSD	3.141661	1.390886	1.428601	.9349494	1.364476	1.307207	1.123433
#1	108.5369	45907.48	955.3070	1017.088	49637.18	989.2642	1004.724
#2	106.7565	45694.32	936.8644	1000.576	48729.62	966.4472	987.5784
#3	102.1000	46897.66	963.3958	1001.019	48336.12	968.0350	983.8159
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	975.1342	1017.506	24349.62	48471.00	49202.53	987.6727	48849.59
SDEV	3.7813	6.700	104.86	1352.38	390.22	3.7640	825.27
%RSD	.3877751	.6584825	.4306498	2.790078	.7930961	.3811019	1.689406
#1	975.1473	1021.195	24459.40	47801.48	49151.07	991.3602	48695.59
#2	978.9090	1021.551	24250.49	47583.98	48840.59	983.8365	48112.18
#3	971.3464	1009.772	24338.97	50027.53	49615.93	987.8212	49741.02
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	970.1187	954.8075	978.8422	1064.393	970.2242	966.5474	989.5694
SDEV	13.1422	9.7610	1.9355	22.527	6.8998	12.0919	14.6398
%RSD	1.354702	1.022306	.1977316	2.116433	.7111501	1.251042	1.479407
#1	984.9891	959.2822	980.2698	1089.534	969.1342	964.4244	988.4587
#2	960.0625	943.6113	976.6393	1057.604	963.9344	955.6575	975.5166
#3	965.3043	961.5290	979.6176	1046.042	977.6041	979.5602	1004.733
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	988.5892	943.5523	983.5374	950.5732	974.5201	1000.734	960.2342
SDEV	12.8892	26.8880	23.7177	17.1028	25.5300	7.562	10.8385
%RSD	1.303801	2.849653	2.411468	1.799208	2.619749	.7556612	1.128735
#1	988.0412	951.8067	977.7819	964.4939	964.3873	1009.458	964.3127
#2	975.9827	965.3454	963.2272	955.7440	955.6121	996.6935	947.9482
#3	1001.744	913.5048	1009.603	931.4816	1003.561	996.0508	968.4418
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1004.188	971.7539	4846.533
SDEV	8.334	10.9506	124.258
%RSD	.8298804	1.126888	2.563859
#1	1010.987	977.8372	4901.533
#2	994.8908	959.1122	4933.800
#3	1006.685	978.3123	4704.267
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB2 OPERATOR:
RUN TIME: 06/12/10 01:55:43
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3538005	38.74244	.2296112	1.068960	369.6100	-.239940	-.626469
SDEV	.1581421	3.01699	.1722394	.185802	4.6920	.358170	.341639
%RSD	44.69809	7.787302	75.01348	17.38157	1.269450	149.2747	54.53402
#1	.1711938	37.96571	.1335070	1.015209	366.8536	-.542941	-.802706
#2	.4451039	36.18976	.1268675	.9159588	366.9489	-.332220	-.844001
#3	.4451039	42.07185	.4284592	1.275712	375.0276	.1553402	-.232700
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2368516	-.140028	2.817620	-1432.59	2.977430	.2514778	11.89997
SDEV	.9539328	.126190	9.203861	17.02	5.679126	.0565080	96.83298
%RSD	402.7555	90.11791	326.6537	1.188008	190.7392	22.47037	813.7243
#1	.5698804	-.220813	3.525005	-1442.57	-1.49331	.2170330	-23.6197
#2	.9796262	.0053851	11.64738	-1442.26	1.058062	.2207073	-62.1574
#3	-.838952	-.204656	-6.71952	-1412.94	9.367536	.3166932	121.4770
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.398449	3.859268	.2796555	.4634254	-.264450	1.504352	2.878199
SDEV	.675591	1.139475	.2956878	.5871632	1.540016	1.006175	1.997222
%RSD	169.5550	29.52568	105.7329	126.7007	582.3472	66.88426	69.39140
#1	-.069036	2.545463	.1041797	.0205700	-1.55363	.5649954	4.599688
#2	.0492472	4.578151	.1137451	1.129454	1.440875	2.566140	3.346460
#3	-1.17556	4.454190	.6210417	.2402522	-.680590	1.381920	.6884495
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.717620	2.268200	-1.53163	-2.16672	3.334384	1.076886	1.118023
SDEV	.940945	2.275766	1.88520	6.21269	3.731217	.227579	2.121882
%RSD	131.1202	100.3336	123.0844	286.7322	111.9012	21.13311	189.7887
#1	-1.36977	-.314077	-2.17523	-5.03243	3.356772	1.108947	.2462836
#2	.3610528	3.137442	.5910866	-6.42933	7.054358	.8349764	-.429143
#3	-1.14415	3.981235	-3.01075	4.961597	-.407977	1.286735	3.536930
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.595595	.1082360	4383.155
SDEV	.700438	.1539393	31.258
%RSD	43.89823	142.2256	.7131489
#1	2.000386	.2237378	4400.667
#2	.7867992	.1674970	4347.066
#3	1.999601	-.066527	4401.733
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

Daily Instrument Profile

Nebulizer pressure: 32
Peak position: -0.11201
Peak intensity: 1031.31
Vernier position: 460

Maintenance: NONE

Printed: 6/14/2010 11:48:51 AM

Method(s) (circle one): **ILM04.1** **ILM05.4** **6010B** **200.7** **Other** _____

Operator(s): JV **Date/Time** 061210/1050 **to** 061310/0134

↑	Specified element(s) fail(s) high
↓	Specified element(s) fail(s) low
RR	Re-run sample(s) neat
RR #X	Re-run at a #-fold dilution
#X	Sample run at a #-fold dilution (aliquot of sample diluted with acidified water)
L	Matrix = leachate
W	Matrix = water
S	Matrix = solid
B	Matrix = biological tissue

SDG	Matrix	Comments
1005133	S	TAL complete
1005176	S	Sn ↓
1005178	S	Sn
1005196	W	TAL RR
1005200	W	TAL complete
1006010	W	TAL RR
1006011	W	TAL complete

ICP Run Log (P4)

File Name: P40612A

Sample ID	Client ID	Sample Type	DF	Date	Time	SDG	Action Needed
CAL1	S0 BLANK	CALIB STD	1	06/12/10	10:50:17		
CAL2	S RSTD-1	CALIB STD	1	06/12/10	10:57:26		
CAL4	S RSTD-3	CALIB STD	1	06/12/10	11:04:35		
CAL3	S RSTD-2	CALIB STD	1	06/12/10	11:10:11		
CAL5	S RSTD-4	CALIB STD	1	06/12/10	11:16:33		
ICV1	ICV1	ICV	1	06/12/10	11:22:09		
ICB1	ICB	ICB	1	06/12/10	11:29:18		
CRL1	CRI	CRI	1	06/12/10	11:36:26		
IFA1	ICSA	ICS	1	06/12/10	11:43:35		
IFB1	ICSAB	ICS	1	06/12/10	11:50:43		
CCV1	CCV	CCV	1	06/12/10	11:57:52		
CCB1	CCB	CCB	1	06/12/10	12:05:01		
LRS	LRS	LRS	1	06/12/10	12:14:24		

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Reviewed By: _____ Date: 6/14

ICP Run Log (P4)

File Name: P40612A

Sample ID	Client ID	Sample Type	DF	Date	Time	SDG	Action Needed
SRD1	SS73-0-1L	SAMPLE	5	06/12/10	12:21:32	1005133	
0060318-BLK1	PBW	PBW	1	06/12/10	12:28:41	1005200	
0060318-BS1	LCSW	LCS	1	06/12/10	12:35:49	1005200	
1005200-01	MW0R6-5	SAMPLE	1	06/12/10	12:42:57	1005200	
0060318-DUP1	MW0R6-5D	SAMPLE	1	06/12/10	12:50:05	1005200	
0060318-MS1	MW0R6-5S	SAMPLE	1	06/12/10	12:57:13	1005200	
0060318-MSD1	MW0R6-5SD	SAMPLE	1	06/12/10	13:04:22	1005200	
SRD2	MW0R6-5L	SAMPLE	5	06/12/10	13:11:30	1005200	
0060318-PS1	MW0R6-5A	SAMPLE	1	06/12/10	13:18:38	1005200	
CCV2	CCV	CCV	1	06/12/10	13:25:47		
CCB2	CCB	CCB	1	06/12/10	13:32:57		
1005200-02	MW0R10	SAMPLE	1	06/12/10	13:40:06	1005200	
1005200-03	MW0R6-1	SAMPLE	1	06/12/10	13:47:14	1005200	
1005200-04	MW0R5-3	SAMPLE	1	06/12/10	13:54:23	1005200	
1005200-05	MW0R5-4	SAMPLE	1	06/12/10	14:01:31	1005200	
1005200-06	MW0R5-4DUP	SAMPLE	1	06/12/10	14:08:39	1005200	
1005200-08	MW0R5-6	SAMPLE	1	06/12/10	14:15:48	1005200	
0060314-BLK1	PBW	PBW	1	06/12/10	14:22:57	1006011	
0060314-BS1	LCSW	LCS	1	06/12/10	14:30:05	1006011	
1006011-01	MWOR6-5	SAMPLE	1	06/12/10	14:37:14	1006011	
0060314-DUP1	MWOR6-5D	SAMPLE	1	06/12/10	14:44:22	1006011	
CCV3	CCV	CCV	1	06/12/10	14:51:31		
CCB3	CCB	CCB	1	06/12/10	14:58:40		
0060314-MS1	MWOR6-5S	SAMPLE	1	06/12/10	15:05:49	1006011	
0060314-MSD1	MWOR6-5SD	SAMPLE	1	06/12/10	15:12:58	1006011	
SRD3	MWOR6-5L	SAMPLE	5	06/12/10	15:20:06	1006011	
0060314-PS1	MWOR6-5A	SAMPLE	1	06/12/10	15:27:14	1006011	
1006011-02	MWOR10	SAMPLE	1	06/12/10	15:34:22	1006011	
1006011-03	MWOR6-1	SAMPLE	1	06/12/10	15:41:30	1006011	
1006011-04	MWOR5-3	SAMPLE	1	06/12/10	15:48:39	1006011	
1006011-05	MWOR5-4	SAMPLE	1	06/12/10	15:55:47	1006011	
1006011-06	MWOR5-4DUP	SAMPLE	1	06/12/10	16:02:55	1006011	

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Reviewed By: cl Date: 6/14/

ICP Run Log (P4)

File Name: P40612A

Sample ID	Client ID	Sample Type	DF	Date	Time	SDG	Action Needed
1006011-07	MWOR5-6	SAMPLE	1	06/12/10	16:10:04	1006011	
CCV4	CCV	CCV	1	06/12/10	16:17:14		
CCB4	CCB	CCB	1	06/12/10	16:24:23		
0060316-BLK1	PBW	PBW	1	06/12/10	16:31:32	1006010	RL
0060316-BS1	LCSW	LCS	1	06/12/10	16:38:41	1006010	
1006010-01	MW-1	SAMPLE	1	06/12/10	16:45:49	1006010	
0060316-DUP1	MW-1D	SAMPLE	1	06/12/10	16:52:57	1006010	
0060316-MS1	MW-1S	SAMPLE	1	06/12/10	17:00:06	1006010	
0060316-MSD1	MW-1SD	SAMPLE	1	06/12/10	17:07:14	1006010	
SRD4	MW-1L	SAMPLE	5	06/12/10	17:14:23	1006010	
0060316-PS1	MW-1A	SAMPLE	1	06/12/10	17:21:31	1006010	
1006010-02	MW-2	SAMPLE	1	06/12/10	17:28:40	1006010	
1006010-03	MW-2 DUP	SAMPLE	1	06/12/10	17:35:48	1006010	
CCV5	CCV	CCV	1	06/12/10	17:42:57		
CCB5	CCB	CCB	1	06/12/10	17:50:07		Co ↓
1006010-04	MW-3	SAMPLE	1	06/12/10	17:57:20	1006010	RL
1006010-05	MW-4	SAMPLE	1	06/12/10	18:04:28	1006010	
0060320-BLK1	PBW	PBW	1	06/12/10	18:11:37	1005196	
0060320-BS1	LCSW	LCS	1	06/12/10	18:18:45	1005196	
1005196-01	MW-1	SAMPLE	1	06/12/10	18:25:54	1005196	
0060320-DUP1	MW-1D	SAMPLE	1	06/12/10	18:33:02	1005196	
0060320-MS1	MW-1S	SAMPLE	1	06/12/10	18:40:11	1005196	
0060320-MSD1	MW-1SD	SAMPLE	1	06/12/10	18:47:19	1005196	
SRD5	MW-1L	SAMPLE	1	06/12/10	18:54:28	1005196	
0060320-PS1	MW-1A	SAMPLE	1	06/12/10	19:01:36	1005196	
CCV6	CCV1	CCV	1	06/12/10	19:08:45		
CCB6	CCB1	CCB	1	06/12/10	19:15:54		
1005196-02	MW-2	SAMPLE	1	06/12/10	19:23:03	1005196	RN
1005196-03	MW-3	SAMPLE	1	06/12/10	19:30:12	1005196	
1005196-04	MW-2 DUP	SAMPLE	1	06/12/10	19:37:20	1005196	
1005196-05	MW-4	SAMPLE	1	06/12/10	19:44:29	1005196	
0052630-BLK1	PBS	PBS	1	06/12/10	19:51:37	1005178	

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Reviewed By: _____ Date: 6/14/10

ICP Run Log (P4)

File Name: P40612A

Sample ID	Client ID	Sample Type	DF	Date	Time	SDG	Action Needed
0052630-BS1	LCSS	LCS	1	06/12/10	19:58:46	1005178	
1005178-01	59SB13-01	SAMPLE	1	06/12/10	20:05:55	1005178	
0052630-DUP1	59SB13-01D	SAMPLE	1	06/12/10	20:13:03	1005178	
0052630-MS1	59SB13-01S	SAMPLE	1	06/12/10	20:20:12	1005178	
0052630-MSD1	59SB13-01SD	SAMPLE	1	06/12/10	20:27:21	1005178	
CCV7	CCV1	CCV	1	06/12/10	20:34:30		
CCB7	CCB1	CCB	1	06/12/10	20:41:39		
SRD6	59SB13-01L	SAMPLE	5	06/12/10	20:48:48	1005178	
0052630-PS1	59SB13-01A	SAMPLE	1	06/12/10	20:55:57	1005178	
1005178-02	59SB13-01D	SAMPLE	1	06/12/10	21:03:06	1005178	
1005178-03	59SB13-05	SAMPLE	1	06/12/10	21:10:15	1005178	
1005178-04	59SD02	SAMPLE	1	06/12/10	21:17:24	1005178	
1005178-05	59SD03	SAMPLE	1	06/12/10	21:24:32	1005178	
0052638-BLK1	PBS	PBS	1	06/12/10	21:31:41	1005176	
0052638-BS1	LCSS	LCS	1	06/12/10	21:38:50	1005176	
1005176-01	59SB11-01	SAMPLE	1	06/12/10	21:45:59	1005176	
0052638-DUP1	59SB11-01D	SAMPLE	1	06/12/10	21:53:08	1005176	
CCV8	CCV1	CCV	1	06/12/10	22:00:17		
CCB8	CCB1	CCB	1	06/12/10	22:07:26		
0052638-MS1	59SB11-01S	SAMPLE	1	06/12/10	22:14:35	1005176	
0052638-MSD1	59SB11-01SD	SAMPLE	1	06/12/10	22:21:44	1005176	
SRD7	59SB11-01L	SAMPLE	5	06/12/10	22:28:53	1005176	
0052638-PS1	59SB11-01A	SAMPLE	1	06/12/10	22:36:01	1005176	
1005176-02	59SB11-00	SAMPLE	1	06/12/10	22:43:10	1005176	
1005176-03	59SB11-00D	SAMPLE	1	06/12/10	22:50:19	1005176	
1005176-04	59SB11-01D	SAMPLE	1	06/12/10	22:57:28	1005176	
1005176-05	59SB11-02	SAMPLE	1	06/12/10	23:04:37	1005176	
1005176-06	59SB12-00	SAMPLE	1	06/12/10	23:11:46	1005176	
1005176-07	59SB12-01	SAMPLE	1	06/12/10	23:18:55	1005176	
CCV9	CCV1	CCV	1	06/12/10	23:26:04		
CCB9	CCB1	CCB	1	06/12/10	23:33:13		
1005176-08	59SB12-05	SAMPLE	1	06/12/10	23:40:22	1005176	

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Reviewed By: _____ Date: 6/14/10

ICP Run Log (P4)

File Name: P40612A

Sample ID	Client ID	Sample Type	DF	Date	Time	SDG	Action Needed
1005176-09	59SB14-00	SAMPLE	1	06/12/10	23:47:31	1005176	
1005176-10	59SB14-01	SAMPLE	1	06/12/10	23:54:40	1005176	
1005176-11	59SB14-05	SAMPLE	1	06/13/10	00:01:49	1005176	
1005176-12	59SB15-00	SAMPLE	1	06/13/10	00:08:58	1005176	
1005176-13	59SB15-01	SAMPLE	1	06/13/10	00:16:08	1005176	
1005176-14	59SB15-05	SAMPLE	1	06/13/10	00:23:17	1005176	
1005176-15	59SB16-01	SAMPLE	1	06/13/10	00:30:26	1005176	
1005176-16	59SB16-05	SAMPLE	1	06/13/10	00:37:35	1005176	
1005176-17	59SB17-00	SAMPLE	1	06/13/10	00:44:44	1005176	
CCVA	CCV2	CCV	1	06/13/10	00:51:53		
CCBA	CCB2	CCB	1	06/13/10	00:59:02		
1005176-18	59SB17-00D	SAMPLE	1	06/13/10	01:06:11	1005176	
1005176-19	59SB17-01	SAMPLE	1	06/13/10	01:13:21	1005176	
1005176-20	59SB17-05	SAMPLE	1	06/13/10	01:20:30	1005176	
CCVB	CCV2	CCV	1	06/13/10	01:27:39		
CCBB	CCB2	CCB	1	06/13/10	01:34:49		

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Reviewed By: Lee Date: 6/14/

Daily Standards/QC Preparation Log for Trace ICP (P3 & P4) 1 of 3 CompuChem a division of Liberty Analytical Corp. Worksheet 1 P(6) 227

STANDARDS and REAGENTS TRACEABILITY

Seq. File Name: P30612, P40612A

	Ref #*	Manufacturer	Lot #	Expiration Date
HNO_3 [Baker Instra-analyzed Trace-Metals grade]	0E19001	JT Baker	J10027	05.19.15
HCl [Baker Instra-analyzed Trace-Metals grade]	0E20028	Caledon	72420	05.20.15
SM-770-027 multi-element standard mix (RSTD-1)	0F12002	High Purity	1015827	06/09/11
SM-770-028 part A multi-element standard mix (RSTD-2A)	9J22002	High Purity	0928011	10/12/2010
SM-770-028 part B multi-element standard mix (RSTD-2B)	9J22001	High Purity	0928012	10/12/2010
SM-770-029 part A multi-element standard mix (RSTD-3A)	0D14008	High Purity	0925430	04/09/11
SM-770-029 part B multi-element standard mix (RSTD-3B)	9G08005	High Purity	0906204	10/16/10
SM-770-030 multi-element standard mix (RSTD-4)	0F12003	High Purity	1015830	06/09/11
SPEX-R multi-element standard mix	0F12001	High Purity	1015828	06/09/11
ICP-AES-CRQL-R multi-element standard mix	9I04002	High Purity	0923808	08/28/10
ICV1 multi-element standard mix	0B04003	EPA	0307	02/04/11
ICSA multi-element standard mix	0B04002	EPA	1206	02/04/11
ICSB multi-element standard mix	0B04001	EPA	0203	02/04/11
SM-770-031 multi-element standard mix (PDS-R)	9I22001	High Purity	0926418	09/17/10
ARSENIC (As) 1,000 PPM single-element standard	9F17001	High Purity	0911221	12/05/10
Internal Mix	0B04004	High Purity	0934101	12/10/10
SM-770-040 multi-element CCV mix (Soln A)	0E03001	High Purity	1010910	04/21/11
SM-770-040 multi-element CCV mix (Soln B)	0E03001	High Purity	1010911	04/21/11
SM-770-042 (LRS 6010B)	0B23007	High Purity	1004021	02/10/11

Multi-Element Stock Standard Concentrations:

Stock Standard	Analyte Concentrations (µg/mL)
RSTD-1 multi-element standard mix	Cd:1,000 Cr:1,000 Cu:1,000 Pb:1,000 Ni:1,000 Se:1,000 Ag:100 Tl:1,000 Zn:1,000
RSTD-2A/2B multi-element standard mix	Part A: As:1,000 Ba:1,000 Be:1,000 Co:1,000 Mn:1,000 Mo:1,000 V:1,000 Part B: Fe:25,000
RSTD-3A/3B multi-element standard mix	Part A: Ca:10,000 Mg:10,000 K:10,000 Na:10,000 Part B: Al:10,000
RSTD-4 multi-element standard mix	Sb:1,000 Bi:1,000 B:1,000 Sn:1,000 Ti:1,000
SPEX-R multi-element standard mix	Mo:1,000 Sn:1,000 Bi:1,000 Ti:1,000 B:1,000
ICP-AES-CRQL-R multi-element standard mix	Ag:10 Be:5 Cd:5 Co:50 Cr:10 Cu:25 Mn:15 Ni:40 Tl:25 V:50 Zn:60 Pb:10 Se:35 As:10 Sb:60
PDS-R multi-element standard mix	Al:400 Ba:400 Ag:20 Be:10 Cd:10 Co:100 Cr:20 Cu:50 Fe:200 Mn:30 Ni:80 Tl:20 V:100 Zn:40 Pb:6 Se:10 As:20 Sb:120
Internal Mix	Li:50,000 Y:250
LRS 6010B multi-element standard mix	Al: 20 Sb:1 As:1 Ba:20 Be:0.5 Bi:2 B:2 Cd:0.5 Ca:500 Cr:1 Co:0.5 Cu:0.5 Fe:10 Pb:0.3 Mg:500 Mn:1 Mo:2 Ni:0.5 K:500 Se:0.5 Ti:0.5 V:2 Zn:2

Entered By: D Reverby. Mitchell

Reviewed By: [signature]

Date: 6/14

*Ref# = Logbook ID, Page number, and item number from Materials Receipt Log

**High Purity is abbreviated "HP" on reporting forms

03/25/10: jcf

Daily Standards/QC Preparation Log for Trace ICP (P3 & P4) 2 of 3 CompuChem a division of Liberty Analytical Corp. Worksheet 1 P(6) 228

Standard Lot Number*	LIMS ID Number	Preparation Instructions	Resultant Analyte Conc. (µg/L)
S0/ICB/CCB- 06.12.10 JCF	OF12004	Place in a 500 mL volumetric flask: 100 mL deionized water, 20 mL concentrated HNO_3, and 100 mL concentrated HCl. Bring up to volume with deionized water. Transfer to a 2L Teflon bottle and add 1.5L deionized water. Final volume 2 L. Prepare as needed.	N/A
RSTD-1- 06.09.10 JCF	OF09001	In a 200 mL volumetric flask, combine 150 mL deionized water, 2 mL concentrated HNO_3, and 10 mL concentrated HCl. Pipet 0.4 mL RSTD-1 into flask. Bring up to 200 mL volume with deionized water. Prepare as needed.	Cd:2,000 Cr:2,000 Cu:2,000 Pb:2,000 Ni:2,000 Se:2,000 Ag:200 Tl:2,000 Zn:2,000
RSTD-2- 06.09.10 JCF	OF09002	In a 200 mL volumetric flask, combine 150 mL deionized water, 2 mL concentrated HNO_3, and 10 mL concentrated HCl. Pipet 0.4 mL each RSTD-2A and RSTD-2B into flask. Bring up to 200 mL volume with deionized water. Prepare as needed.	As:2,000 Ba:2,000 Be:2,000 Co:2,000 Fe:50,000 Mn:2,000 Mo:2,000 V:2,000
RSTD-3- 06.09.10 JCF	OF09003	In a 200 mL volumetric flask, combine 150 mL deionized water, 2 mL concentrated HNO_3, and 10 mL concentrated HCl. Pipet 2.0 mL each RSTD-3A and RSTD-3B into flask. Bring up to 200 mL volume with deionized water. Prepare as needed.	K:100,000 Na:100,000 Al:100,000 Mg:100,000 Ca:100,000
RSTD-4- 06.09.10 JCF	OF09004	In a 200 mL volumetric flask, combine 150 mL deionized water, 2 mL concentrated HNO_3, and 10 mL concentrated HCl. Pipet 0.4 mL RSTD-4 into flask. Bring up to 200 mL volume with deionized water. Prepare as needed.	Sn:2,000 Bi:2,000 Ti:2,000 Sb:2,000 B:2,000
ICV1- 06.09.10-SGM	OF09010	Place in a 500 mL volumetric flask: 300 mL deionized water, 5 mL concentrated HNO_3, and 25 mL concentrated HCl. Pipet 50.0 mL ICV1 into flask and 0.55 mL Compuchem SPEX-R. Bring up to volume with deionized water. Transfer to a 500mL Teflon bottle. Final volume 500 mL. Prepare as needed.	Al:2,521 Ba:497 K:10,021 Mg:6,074 Na:10,097 Ca:10,026 Ag:501 Be:495 Cd:496 Co:499 Cr:490 Cu:492 Fe:5,082 Mn:499 Ni:503 Tl:1,028 V:501 Zn:1,025 Pb:1002 Se:1,029 As:999 Sb:994 Mo:1,100 Sn:1,100 Bi:1,100 Ti:1,100 B:1,100
CCV/CVS1- 06.10.10-SGM	OF10004	Place in a 500-mL volumetric flask: 300 mL deionized water, 20 mL concentrated HNO_3, and 100 mL concentrated HCl. Add 50 ml of SM-770-40 Soln A and Soln B. Bring up to volume with deionized water. Transfer to a 2000mL Teflon bottle and add 1.5 L of deionized water. Prepare as needed.	Al:50,000 Ba:1,000 K:50,000 Mg:50,000 Na:50,000 Ca:50,000 Ag:100 Be:1,000 Cd:1,000 Co:1,000 Cr:1,000 Cu:1,000 Fe:25,000 Mn:1,000 Ni:1,000 Tl:1,000 V:1,000 Zn:1,100 Pb:1,000 Se:1,000 As:1,000 Mo:1,000 Sn:1,000 Bi:1,000 Ti:1,000 Sb:1,000 B:1,000
LRS- 04.25.10-JCF	OD25003	In a 500 mL volumetric flask, combine 200 mL deionized water, 5 mL concentrated HNO_3 and 25 mL concentrated HCl. Pipet 5.0mL of LRS 6010B. Bring up to volume with deionized water and transfer to a 500mL Teflon bottle. Final volume 500 mL. Prepare as needed.	Al:200 Ba:200 K:5,000 Mg:5,000 Na:5,000 Ca:5,000 Ag:5 Be:5 Cd:5 Co:10 Cr:10 Cu:5 Fe:100 Mn:10 Ni:5 Tl:10 V:20 Zn:20 Pb:3 Se:5 As:10 Mo:20 Sn:20 Bi:20 Ti:20 Sb:10 B:20

Standard Solutions Prepared By: SGM/JCF

Entered By: D Reeves/MS O'Donnell

Reviewed By: [signature]

Date: 6/14/10

*Standard Lot Number consists of standard ID, date prepared, and initials of preparer.

03/25/10: jcf

Daily Standards/QC Preparation Log for Trace ICP (P3 & P4) 3 of 3 CompuChem a division of Liberty Analytical Corp. Worksheet 1 P(6) 229

Standard Lot Number*	LIMS ID Number	Preparation instructions	Resultant Analyte Conc. (µg/L)
As- 05.13.10-JCF	OE13006	In a 100 mL volumetric flask, combine 50 mL deionized water, 1 mL concentrated HNO_3, 5 mL concentrated HCl, and 0.1 mL 1000-ppm As standard. Bring to final 100 mL volume	As:1,000
ICSA- 06.09.10-SQM	OF09008	In a 500-mL volumetric flask, combine 350 mL deionized water, 5 mL concentrated HNO_3, and 25 mL concentrated HCl. Pipet 50.0 mL ICSA into flask. Bring up to volume with deionized water and transfer to a 500mL Teflon bottle. Final volume 500 mL.	Al:244,100 Ba:2 Ca:234,900 Co:4 Cr:43 Cu:23 Fe:95,600 Mg:247,500 Mn:19 Ni:21 Zn:28 Pb:10
ICSAB- 06.09.10-SQM	OF09009	In a 500-mL volumetric flask, combine 350 mL deionized water, 5 mL concentrated HNO_3, and 25 mL concentrated HCl. Pipet 50.0 mL ICSA and 50.0 mL ICSB into flask. Add 0.5 mL Compuchem SPEX-R. Bring up to volume with deionized water and transfer to a 500mL Teflon bottle. Final volume 500 mL.	Ag:206 Al:241,100 Ba:495 Be:475 Ca:231,100 Cd:940 Co:461 Cr:511 Cu:548 Fe:94,800 Mg:251,100 Mn:502 Ni:984 Tl:103 V:494 Zn:1028 Pb:61 Se:53 Sb:589 As:101 Sn:1,000 Bi:1,000 Mo:1,000 Ti:1,000 B:1,000
EPA-CRI- 06.12.10-SQM	OF12005	In a 500 mL volumetric flask, combine 300 mL deionized water, 5 mL concentrated HNO_3, and 25 mL concentrated HCl. Pipet 0.50 mL ICP-AES-CRQL-R and 25 µL Compuchem SPEX-R into flask. Bring up to volume with deionized water and transfer to a 500mL Teflon bottle. Final volume 500 mL. Prepare as needed.	Ag:10 Be:5 Cd:5 Co:50 Cr:10 Cu:25 Mn:15 Ni:40 Tl:25 V:50 Zn:60 Pb:10 Se:35 As:10 Sb:60 Sn:50 B:50 Mo:50 Bi:50 Ti:50
P3RINSE- 06.09.10-JCF	OF09005	In a 10 L container, combine 8 L deionized water and 400 mL concentrated HNO_3 Fill with deionized water. Final volume 10 L.	N/A
P4RINSE- 06.09.10-JCF	OF09007	In a 10 L container, combine 8 L deionized water and 400 mL concentrated HNO_3 Fill with deionized water. Final volume 10 L.	N/A
P5RINSE- NA	NA	In a 10 L container, combine 8 L deionized water and 400 mL concentrated HNO_3 Fill with deionized water. Final volume 10 L.	N/A
P3INTSTD- 06.10.10 SQM	OF10002	In a 10 L container, combine 8 L deionized water, 400 mL concentrated HNO_3, and 200 mL Internal Mix. Fill with deionized water. Final volume 10 L.	Li:1,000,000 Y:5,000
P4INTSTD- 05.11.10-JCF	OE11004	In a 10 L container, combine 8 L deionized water, 400 mL concentrated HNO_3, and 200 mL Internal Mix. Fill with deionized water. Final volume 10 L.	Li:1,000,000 Y:5,000
P5INTSTD- NA	NA	In a 10 L container, combine 8 L deionized water, 400 mL concentrated HNO_3, and 200 mL Internal Mix. Fill with deionized water. Final volume 10 L.	Li:1,000,000 Y:5,000

Standard Solutions Prepared By: SQM/JCF

Entered By: [signature]

Reviewed By: [signature]

Date: 6/14/10

*Standard Lot Number consists of standard ID, date prepared, and initials of preparer.

03/25/10: jcf

METHOD: ALT-P4Q2 STANDARD: S0 BLANK
RUN TIME: 06/12/10 10:50:17

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
AVGE	-.00167	.25254	.04455	.08378	.03069	.11145	.07749
SDEV	.00058	.00980	.00121	.00244	.00057	.00089	.00089
%RSD	34.641	3.8815	2.7147	2.9177	1.8478	.80003	1.1506
#1	-.00100	.26385	.04566	.08660	.03127	.11247	.07850
#2	-.00200	.24734	.04472	.08230	.03067	.11082	.07712
#3	-.00200	.24644	.04326	.08243	.03013	.11106	.07684

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
AVGE	.00102	.61397	-.00175	.05227	.00285	.00073	.00301
SDEV	.00033	.01153	.00065	.01330	.00136	.00026	.00110
%RSD	32.689	1.8783	36.889	25.456	47.889	35.718	36.532
#1	.00112	.60997	-.00180	.06253	.00297	.00090	.00427
#2	.00065	.62697	-.00108	.05703	.00143	.00086	.00238
#3	.00129	.60497	-.00237	.03724	.00415	.00043	.00237

ELEM	NI2316	TL1908	V_2924	ZN2062	SB2068	AS1890	22031
AVGE	.00000	-.01213	.00087	.00015	.01535	-.02150	.05482
SDEV	.00361	.01140	.00042	.00034	.00297	.00604	.03708
%RSD	72371.	94.004	48.699	225.62	19.339	28.110	67.630
#1	.00067	-.02047	.00045	.00045	.01844	-.01620	.09762
#2	-.00389	.00086	.00130	-.00022	.01253	-.02808	.03435
#3	.00323	-.01679	.00086	.00022	.01507	-.02023	.03250

ELEM	22032	19601	19602	SN1899	BI2230	MO2020	TI3349
AVGE	-.01910	-.06957	.05991	-.00814	.00381	.00204	-.01070
SDEV	.00447	.00931	.00862	.00772	.00377	.00068	.00089
%RSD	23.433	13.380	14.386	94.802	98.951	33.503	8.3550
#1	-.01395	-.06838	.05016	-.01125	.00000	.00180	-.00990
#2	-.02203	-.06092	.06308	-.01383	.00389	.00281	-.01167
#3	-.02131	-.07942	.06651	.00065	.00753	.00151	-.01055

METHOD: ALT-P4Q2 STANDARD: S RSTD-1
RUN TIME: 06/12/10 10:57:26

ELEM	AG3280	CD2265	CR2677	CU3247	NI2316	TL1908	ZN2062
AVGE	6.0807	20.282	4.3161	125.42	7.3612	6.0695	2.0581
SDEV	.0080	.103	.0423	.25	.0221	.0348	.0075
%RSD	.13156	.50793	.97901	.19655	.29963	.57342	.36654
#1	6.0807	20.173	4.2713	125.42	7.3432	6.0725	2.0495
#2	6.0727	20.378	4.3552	125.66	7.3858	6.1027	2.0617
#3	6.0887	20.296	4.3219	125.17	7.3548	6.0333	2.0632

ELEM	22031	22032	19601	19602
AVGE	32.182	11.802	8.5771	16.381
SDEV	.167	.049	.0282	.080
%RSD	.52035	.41884	.32920	.49029
#1	32.064	11.781	8.5694	16.296
#2	32.374	11.859	8.5536	16.456
#3	32.108	11.767	8.6084	16.392

METHOD: ALT-P4Q2 STANDARD: S RSTD-3
RUN TIME: 06/12/10 11:04:35

ELEM	AL3082	CA3179	K_7664	MG2790	NA3302
AVGE	58.697	70.657	418.98	55.954	3.8482
SDEV	.640	.613	5.41	.621	.0411
%RSD	1.0899	.86793	1.2901	1.1104	1.0682
#1	58.388	70.784	414.72	55.918	3.8248
#2	58.270	69.990	417.16	55.351	3.8241
#3	59.433	71.197	425.06	56.592	3.8957

METHOD: ALT-P4Q2 STANDARD: S RSTD-2
RUN TIME: 06/12/10 11:10:11

ELEM	BA4934	BE3130	CO2286	FE2714	MN2576	V_2924	AS1890
AVGE	32.402	14.819	3.8542	5.3147	4.2227	3.2293	13.843
SDEV	.292	.094	.0474	.0656	.0587	.0733	.072
%RSD	.90068	.63565	1.2290	1.2335	1.3908	2.2690	.52140
#1	32.739	14.835	3.8970	5.3690	4.2655	3.2981	13.926
#2	32.226	14.718	3.8033	5.2419	4.1557	3.1523	13.793
#3	32.240	14.904	3.8622	5.3333	4.2469	3.2376	13.811

ELEM	MO2020
AVGE	3.6263
SDEV	.0273
%RSD	.75400
#1	3.6491
#2	3.5960
#3	3.6338

METHOD: ALT-P4Q2 STANDARD: S RSTD-4
RUN TIME: 06/12/10 11:16:33

ELEM	SB2068	SN1899	BI2230	TI3349
AVGE	5.3142	19.591	3.9073	42.111
SDEV	.0319	.052	.0161	.350
%RSD	.60048	.26296	.41127	.83012
#1	5.2799	19.535	3.8901	41.713
#2	5.3198	19.637	3.9098	42.367
#3	5.3430	19.600	3.9219	42.253

METHOD: ALT-P4Q2 SAMPLE NAME: ICV1 OPERATOR:
RUN TIME: 06/12/10 11:22:09
COMMENT: ICV1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	498.7067	2387.041	479.9767	526.2472	10543.47	497.1203	525.9628
SDEV	1.1807	2.361	.9712	1.3079	9.96	2.5253	2.5979
%RSD	.2367430	.0989112	.2023405	.2485348	.0944847	.5079946	.4939269
#1	497.3695	2384.898	478.8735	527.6922	10550.74	497.4727	524.7636
#2	499.1451	2386.654	480.7030	525.9049	10547.55	499.4509	528.9437
#3	499.6054	2389.572	480.3534	525.1445	10532.11	494.4373	524.1812
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	501.0000	2521.000	497.0000	495.0000	10026.00	496.0000	499.0000
RANGE	10.40000	10.40000	10.40000	10.40000	10.40000	10.40000	10.40000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	496.3940	512.3601	5200.050	10164.73	6130.184	519.9604	9317.235
SDEV	4.6566	8.9012	35.753	25.66	20.385	1.9350	70.609
%RSD	.9380907	1.737285	.6875569	.2524775	.3325412	.3721402	.7578286
#1	491.1231	506.1106	5159.867	10175.23	6110.637	518.2272	9299.571
#2	499.9499	522.5515	5228.345	10183.49	6151.315	522.0482	9394.999
#3	498.1091	508.4180	5211.939	10135.49	6128.599	519.6058	9257.136
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	490.0000	492.0000	5082.000	10021.00	6074.000	499.0000	10097.00
RANGE	10.40000	10.40000	10.40000	10.40000	10.40000	10.40000	10.40000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	498.4543	1036.102	521.8987	974.1626	997.0915	1003.701	997.8825
SDEV	1.5982	3.430	1.8793	7.8088	4.1117	2.553	3.5920
%RSD	.3206302	.3310944	.3600951	.8015949	.4123699	.2543818	.3599598
#1	498.2323	1036.062	519.8356	969.4518	993.7711	1005.784	999.5602
#2	500.1519	1039.553	522.3476	983.1764	1001.691	1004.466	1000.329
#3	496.9787	1032.692	523.5129	969.8596	995.8128	1000.853	993.7587
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	503.0000	1028.000	501.0000	1025.000	1002.000	1029.000	994.0000
RANGE	10.40000	10.40000	10.40000	10.40000	10.40000	10.40000	10.40000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1019.317	999.2394	996.0162	1007.872	1001.617	1179.971	1152.012
SDEV	2.174	2.1002	5.1165	2.607	3.890	5.668	4.687
%RSD	.2132408	.2101788	.5136934	.2586223	.3883489	.4803203	.4068611
#1	1018.507	997.5463	991.8825	1010.245	1003.555	1179.380	1156.040
#2	1017.664	1001.590	1001.739	1005.082	1004.156	1185.911	1153.127
#3	1021.779	998.5823	994.4277	1008.288	997.1386	1174.623	1146.868
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	999.0000					1100.000	1100.000
RANGE	10.40000					10.40000	10.40000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1177.372	1160.574	4789.644
SDEV	1.539	4.540	14.813
%RSD	.1306893	.3911732	.3092701
#1	1178.557	1155.703	4781.733
#2	1175.633	1164.687	4780.466
#3	1177.927	1161.332	4806.733
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1100.000	1100.000	
RANGE	10.40000	10.40000	

METHOD: ALT-P4Q2 SAMPLE NAME: ICB OPERATOR:
RUN TIME: 06/12/10 11:29:18
COMMENT: ICB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1424814	37.69476	-.030626	-.070469	410.2469	.1174170	.2035255
SDEV	.4488293	7.60697	.096828	.107410	2.2037	.1047830	.0400263
%RSD	315.0092	20.18043	316.1665	152.4218	.5371534	89.24001	19.66647
#1	.5480052	32.03567	.0759840	-.145947	408.7184	.0345536	.1942544
#2	.2192021	34.70650	-.054751	-.117959	412.7729	.0824963	.2473738
#3	-.339763	46.34212	-.113110	.0525002	409.2495	.2352013	.1689483
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.273713	.0908040	22.95811	-1441.30	38.46786	.0703542	2.071560
SDEV	.357550	.0911178	7.12155	5.18	2.86312	.1205445	77.26090
%RSD	130.6296	100.3456	31.01978	.3594449	7.442892	171.3395	3729.600
#1	-.571796	.0640968	16.11168	-1435.32	36.97500	-.068780	48.49937
#2	.1227185	.1922910	30.32611	-1444.45	36.65969	.1364201	44.83181
#3	-.372060	.0160242	22.43653	-1444.13	41.76889	.1434224	-87.1165
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1454201	.6161537	-.266341	.4023694	.0061073	.9436319	.2585156
SDEV	1.001718	1.107439	.220574	.4273837	1.849511	1.513488	1.696473
%RSD	688.8444	179.7342	82.81638	106.2167	30283.65	160.3896	656.2364
#1	-.976886	1.894399	-.011644	.2661811	.9158308	2.641490	-1.16462
#2	.4641657	.0084559	-.393295	.0596761	1.224563	.4533175	2.135862
#3	.9489808	-.054394	-.394082	.8812512	-2.12207	-.263911	-.195700
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.827407	-1.58135	.7960699	1.165312	.8303824	-1.01321	-.684232
SDEV	1.608532	3.49534	1.724085	4.050478	.4850167	1.82959	2.207818
%RSD	88.02265	221.0351	216.5746	347.5876	58.40884	180.5732	322.6710
#1	2.400071	1.978609	.3827078	5.837866	1.043167	.7414009	1.724938
#2	3.071245	-1.71439	2.689262	-.992640	1.172636	-.871501	-2.61089
#3	.0109059	-5.00827	-.683760	-1.34929	.2753441	-2.90953	-1.16674
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.8810821	.1563300	4688.178
SDEV	.9050711	.1581532	82.235
%RSD	102.7227	101.1662	1.754094
#1	1.320400	-.012914	4770.733
#2	1.482644	.1815405	4687.533
#3	-.159798	.3003637	4606.267
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: CRI OPERATOR:
RUN TIME: 06/12/10 11:36:26
COMMENT: CRI
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	8.833844	2.905082	.0048712	5.356867	371.7484	5.096155	52.09789
SDEV	.143322	5.495837	.0558463	.148701	.7048	.290891	.63393
%RSD	1.622417	189.1801	1146.466	2.775903	.1895812	5.708049	1.216803
#1	8.932486	9.132845	.0691931	5.481678	371.6796	5.394025	52.33934
#2	8.669443	-1.26495	-.023311	5.192340	371.0806	5.081654	51.37871
#3	8.899605	.8473485	-.031268	5.396584	372.4851	4.812786	52.57561
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	10.00000	.0000000	.0000000	5.000000	.0000000	5.000000	50.00000
RANGE	3.000000	400.0000	400.0000	1.500000	2000.000	1.500000	15.00000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	8.592593	25.17413	-10.4163	-1436.88	-4.86104	15.20905	8.925677
SDEV	.219337	.14243	3.1809	4.93	2.44280	.27218	11.78480
%RSD	2.552630	.5657703	30.53737	.3432919	50.25258	1.789591	132.0325
#1	8.813524	25.01388	-13.3159	-1431.25	-7.57198	15.45886	-4.25887
#2	8.374886	25.22220	-10.9189	-1440.46	-2.83077	14.91899	18.43468
#3	8.589370	25.28630	-7.01406	-1438.92	-4.18037	15.24931	12.60122
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	10.00000	25.00000	.0000000	.0000000	.0000000	15.00000	.0000000
RANGE	3.000000	7.500000	200.0000	2000.000	2000.000	4.500000	2000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	40.57612	24.31953	51.00903	57.56220	11.15000	35.92892	59.28318
SDEV	.57535	1.35432	.28797	.66120	1.09763	1.70145	1.02618
%RSD	1.417962	5.568869	.5645444	1.148672	9.844201	4.735601	1.730981
#1	40.82785	24.91918	50.83637	57.01362	9.914858	35.00365	60.34353
#2	39.91780	22.76890	50.84925	57.37663	12.01376	37.89250	58.29498
#3	40.98271	25.27050	51.34146	58.29636	11.52138	34.89061	59.21103
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	40.00000	25.00000	50.00000	60.00000	10.00000	35.00000	60.00000
RANGE	12.00000	12.50000	15.00000	18.00000	5.000000	10.50000	30.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	11.74845	10.10744	11.66759	38.74549	34.52016	50.56608	49.47589
SDEV	1.95367	1.45956	1.99750	2.12649	2.05396	1.77637	1.06829
%RSD	16.62915	14.44045	17.12009	5.488367	5.950033	3.512962	2.159219
#1	9.968027	10.26265	9.738286	39.69741	32.65768	52.29316	48.30513
#2	11.43892	8.576473	13.72693	40.22973	36.72306	50.66087	50.39778
#3	Q13.83841	11.48319	11.53754	36.30934	34.17973	48.74422	49.72476
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	NOCHECK
VALUE	10.00000					50.00000	
RANGE	3.000000					15.00000	

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	50.26971	50.45718	4672.533
SDEV	.49472	.09094	39.132
%RSD	.9841248	.1802263	.8374955
#1	50.60240	50.36675	4627.600
#2	49.70120	50.45616	4699.133
#3	50.50552	50.54862	4690.866
ERRORS	NOCHECK	NOCHECK	NOCHECK
VALUE			
RANGE			

METHOD: ALT-P4Q2 SAMPLE NAME: ICSA OPERATOR:
RUN TIME: 06/12/10 11:43:35
COMMENT: ICSA
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.021920	231824.3	2.459354	.7695237	265880.5	6.838387	.2740634
SDEV	.218928	1584.8	.121287	.1783539	3336.1	.622145	.5121621
%RSD	998.7490	.6836383	4.931680	23.17718	1.254745	9.097833	186.8772
#1	.0876808	230272.2	2.595475	.9421920	262212.4	7.547312	-.316460
#2	.1205612	231760.7	2.419826	.7803972	266695.6	6.584587	.5415420
#3	-.274003	233440.0	2.362762	.5859817	268733.6	6.383261	.5971079
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	244100.0	2.000000	.0000000	234900.0	.0000000	4.000000
RANGE	10.00000	48820.00	400.0000	10.00000	46980.00	10.00000	10.00000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	41.89282	23.51295	97454.57	-1428.65	260168.6	19.24937	814.0605
SDEV	1.01597	.40231	548.60	7.42	901.4	.22337	13.3946
%RSD	2.425175	1.711027	.5629307	.5193989	.3464554	1.160383	1.645411
#1	41.08949	23.17110	96822.02	-1420.47	259127.9	18.99532	829.2216
#2	41.55408	23.41146	97741.23	-1430.52	260676.0	19.33779	803.8301
#3	43.03489	23.95629	97800.46	-1434.95	260701.9	19.41498	809.1298
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	43.00000	23.00000	95600.00	.0000000	247500.0	19.00000	.0000000
RANGE	20.00000	10.00000	19120.00	2000.000	49500.00	20.00000	2000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	21.03207	9.472728	-2.87219	31.14120	7.309331	-.346631	-.410621
SDEV	.83585	3.771982	.39021	.32692	.940418	.461182	2.358870
%RSD	3.974184	39.81939	13.58594	1.049807	12.86599	133.0469	574.4639
#1	20.08006	13.80080	-3.04344	31.10157	8.207367	.0135362	-1.42942
#2	21.37058	6.886002	-3.14750	31.48613	7.389024	-.187011	2.286426
#3	21.64557	7.731377	-2.42563	30.83590	6.331603	-.866418	-2.08887
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	21.00000	.0000000	1.000000	28.00000	10.00000	.0000000	.0000000
RANGE	10.00000	20.00000	40.00000	40.00000	6.000000	10.00000	20.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3320185	-11.8452	16.86895	8.270922	-4.65158	1.778788	3.738002
SDEV	2.475237	2.0719	1.38334	7.213717	4.14313	2.879265	1.320761
%RSD	745.5120	17.49118	8.200526	87.21781	89.06928	161.8666	35.33333
#1	-.347207	-12.3063	18.44553	8.149947	-4.05120	5.103468	5.241365
#2	-1.73270	-9.58162	15.85834	1.118453	-.841393	.1231179	2.764214
#3	3.075959	-13.6477	16.30297	15.54437	-9.06213	.1097789	3.208426
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	20.00000					100.0000	100.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-1.00365	-4.50154	4602.333
SDEV	.31981	.14429	5.088
%RSD	31.86470	3.205293	.1105453
#1	-.882649	-4.58365	4596.999
#2	-.761993	-4.58603	4602.866
#3	-1.36630	-4.33494	4607.133
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	100.0000	100.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: ICSAB OPERATOR:
RUN TIME: 06/12/10 11:50:43
COMMENT: ICSAB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	197.1723	233036.8	474.7771	498.1805	264925.3	924.9247	488.2207
SDEV	1.9388	3075.3	5.9368	3.5262	1286.3	4.7145	2.8459
%RSD	.9833141	1.319665	1.250446	.7078083	.4855380	.5097204	.5829226
#1	198.3889	230105.5	469.1526	494.3311	263474.2	924.7659	489.0106
#2	198.1916	232766.6	474.1952	498.9561	265925.2	929.7166	490.5883
#3	194.9364	236238.3	480.9835	501.2543	265376.6	920.2916	485.0633
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	206.0000	241100.0	495.0000	475.0000	231100.0	940.0000	461.0000
RANGE	41.20000	48220.00	400.0000	95.00000	46220.00	188.0000	92.20000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	507.4199	523.8121	96689.57	-1435.28	257759.0	516.6848	731.5297
SDEV	4.8059	2.4267	593.15	4.72	1449.0	2.6192	53.9677
%RSD	.9471211	.4632784	.6134534	.3288391	.5621622	.5069249	7.377374
#1	504.6627	525.7083	96451.30	-1430.00	256409.7	514.0821	772.7714
#2	512.9692	524.6506	97364.80	-1436.76	259290.5	519.3202	670.4508
#3	504.6277	521.0773	96252.60	-1439.09	257576.7	516.6519	751.3668
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	511.0000	548.0000	94800.00	.0000000	251100.0	502.0000	.0000000
RANGE	102.2000	109.6000	18960.00	2000.000	50220.00	100.4000	2000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	956.5109	103.1970	494.1576	908.9493	54.01322	48.64858	599.8721
SDEV	4.0940	1.6529	2.5901	10.4427	.88492	1.36951	3.2105
%RSD	.4280154	1.601724	.5241387	1.148875	1.638339	2.815109	.5351898
#1	952.9464	102.8016	491.1707	912.7693	53.03220	49.74949	596.8556
#2	960.9823	101.7776	495.5204	916.9441	54.75129	49.08126	603.2465
#3	955.6040	105.0117	495.7817	897.1345	54.25617	47.11499	599.5143
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	984.0000	103.0000	494.0000	1028.000	61.00000	53.00000	589.0000
RANGE	196.8000	20.60000	98.80000	205.6000	12.20000	10.60000	117.8000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	98.95590	33.71059	64.14535	52.55226	46.69702	986.7576	1001.083
SDEV	1.96097	3.61071	3.07808	5.11191	2.61739	7.0526	2.938
%RSD	1.981665	10.71092	4.798604	9.727282	5.605049	.7147243	.2934673
#1	96.80886	37.86545	60.60029	58.00956	45.62303	984.8019	1002.206
#2	100.6524	31.93330	66.13921	47.87554	49.68057	994.5816	997.7494
#3	99.40647	31.33301	65.69655	51.77167	44.78745	980.8892	1003.294
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	101.0000					1000.000	1000.000
RANGE	20.20000					200.0000	200.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	968.8926	981.3444	4573.667
SDEV	3.5415	7.8118	54.910
%RSD	.3655215	.7960327	1.200561
#1	965.6796	974.6938	4623.933
#2	968.3085	979.3922	4581.999
#3	972.6899	989.9472	4515.066
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	200.0000	200.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV OPERATOR:
RUN TIME: 06/12/10 11:57:52
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	96.97501	46601.92	958.1181	1030.849	51044.57	960.5074	1001.094
SDEV	.97779	50.03	10.6307	6.416	617.51	11.8482	17.899
%RSD	1.008287	.1073643	1.109536	.6224140	1.209745	1.233539	1.787924
#1	96.42700	46632.24	968.2595	1025.913	50460.82	950.1545	982.6711
#2	96.39412	46629.35	947.0578	1028.532	50981.84	957.9383	1002.193
#3	98.10390	46544.17	959.0371	1038.102	51691.05	973.4294	1018.418
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	950.6130	984.8837	24932.29	49208.86	50454.35	1004.648	48622.41
SDEV	13.5362	6.5911	430.41	224.83	527.72	14.761	243.85
%RSD	1.423940	.6692258	1.726310	.4568962	1.045932	1.469246	.5015237
#1	935.3625	977.2882	24487.54	49457.93	49945.42	992.8904	48889.01
#2	955.2729	988.2648	24962.56	49147.73	50418.58	999.8405	48567.57
#3	961.2037	989.0981	25346.76	49020.91	50999.04	1021.213	48410.64
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	964.4852	993.3327	1003.356	1015.851	960.7707	1006.714	1006.302
SDEV	11.3546	7.1964	6.446	25.672	7.5354	4.592	10.927
%RSD	1.177269	.7244667	.6424559	2.527156	.7843038	.4561012	1.085822
#1	957.8959	987.5370	996.2039	989.8351	952.5540	1001.495	1003.150
#2	957.9634	991.0735	1008.717	1016.552	962.4000	1008.515	997.2983
#3	977.5963	1001.388	1005.149	1041.165	967.3581	1010.132	1018.458
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1017.851	954.2579	964.0190	1022.386	998.8877	1013.139	995.4820
SDEV	6.383	4.8109	10.5268	5.357	9.3856	10.087	7.6384
%RSD	.6271455	.5041525	1.091975	.5239485	.9396083	.9955785	.7673110
#1	1014.452	953.7350	951.9604	1028.382	988.0692	1002.200	989.7289
#2	1013.886	949.7299	968.7230	1018.073	1003.741	1015.148	992.5686
#3	1025.214	959.3090	971.3737	1020.702	1004.853	1022.071	1004.148
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1015.991	988.4564	4621.711
SDEV	12.693	9.5603	27.239
%RSD	1.249359	.9671925	.5893695
#1	1012.351	997.9039	4590.267
#2	1005.515	988.6780	4636.800
#3	1030.107	978.7872	4638.066
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB OPERATOR:
RUN TIME: 06/12/10 12:05:01
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2740026	16.38389	.0592984	.1228331	385.4174	.2292527	.5767682
SDEV	.0379669	14.12229	.0415435	.1672962	14.5375	.0545699	.5743224
%RSD	13.85640	86.19621	70.05832	136.1980	3.771896	23.80339	99.57594
#1	.3178430	.0978835	.0467610	-.056784	370.8030	.2321249	-.039487
#2	.2520824	23.81022	.1056666	.1510670	399.8769	.2823299	1.097071
#3	.2520824	25.24356	.0254677	.2742158	385.5724	.1733034	.6727216
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0209248	-.005341	-.604223	-1429.33	12.88934	.0679876	2.314385
SDEV	.3562452	.370412	14.98490	5.55	14.22374	.2089808	27.30077
%RSD	1702.505	6934.761	2480.025	.3880064	110.3528	307.3807	1179.612
#1	-.276407	-.048072	-15.8790	-1434.33	-1.79360	-.166004	-21.6828
#2	.4157735	.3845827	14.07286	-1423.37	26.60445	.1339045	32.01702
#3	-.076592	-.352534	-.006489	-1430.30	13.85718	.2360620	-3.39106
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1907742	2.682089	.2095384	.8040394	-.250675	.7108437	-.336792
SDEV	.5943556	.849986	.3814299	.4216304	.550296	.6925083	.957629
%RSD	311.5493	31.69119	182.0334	52.43903	219.5261	97.42062	284.3385
#1	.6914911	2.604493	-.016360	.6684145	-.597305	.5218809	-1.44094
#2	.3468891	1.873562	-.004951	1.276792	-.538566	.1324301	.1633801
#3	-.466058	3.568213	.6499265	.4669116	.3838471	1.478220	.2671855
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.019608	.8500407	-.802766	3.983471	-.925575	.8992626	1.110990
SDEV	.398174	1.419587	.761584	2.696786	1.161264	1.100220	.692602
%RSD	39.05165	167.0022	94.86999	67.69941	125.4640	122.3469	62.34095
#1	.8616427	-.788136	-.504583	6.101407	-2.26625	2.168731	.5554108
#2	1.472526	1.719219	-1.66832	.9475315	-.277068	.2218436	.8905874
#3	.7246553	1.619039	-.235390	4.901475	-.233408	.3072133	1.886973
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.660371	.0863023	4719.111
SDEV	.549086	.1806421	14.339
%RSD	33.07008	209.3133	.3038602
#1	2.278538	-.067278	4733.200
#2	1.229231	.2853277	4719.600
#3	1.473344	.0408567	4704.533
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: LRS OPERATOR:
RUN TIME: 06/12/10 12:14:24
COMMENT: SDG:LRS CLIENTID:LRS 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	4.066199	212.4427	183.9293	5.545469	5036.077	4.546418	4.651865
SDEV	.963679	22.8058	3.2467	.353969	214.653	.244943	1.150466
%RSD	23.69976	10.73505	1.765170	6.383038	4.262308	5.387603	24.73128
#1	4.822446	187.9170	181.3806	5.340393	5274.654	4.642722	5.979532
#2	2.981149	216.4005	182.8227	5.341818	4974.983	4.267960	3.948699
#3	4.395002	233.0105	187.5846	5.954197	4858.594	4.728573	4.027364
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	7.500000	300.0000	300.0000	7.500000	7500.000	7.500000	7.500000
LOW	2.500000	100.0000	100.0000	2.500000	2500.000	2.500000	2.500000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	9.445905	5.731348	85.01578	4522.363	4913.164	9.932498	4455.674
SDEV	.562606	.463413	5.55695	164.871	65.517	.265308	125.972
%RSD	5.956088	8.085586	6.536373	3.645675	1.333489	2.671108	2.827219
#1	9.869639	6.089223	80.88403	4361.086	4988.757	10.17616	4562.847
#2	9.660491	5.896932	91.33327	4515.396	4872.791	9.971479	4316.915
#3	8.807584	5.207888	82.83007	4690.606	4877.944	9.649856	4487.260
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	15.00000	7.500000	150.0000	7500.000	7500.000	15.00000	7500.000
LOW	5.000000	2.500000	50.00000	2500.000	2500.000	5.000000	2500.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	5.128119	9.801287	18.85270	18.87632	3.599959	5.048757	10.84094
SDEV	.515886	3.695434	1.55089	.98621	1.377374	.712085	2.16959
%RSD	10.05995	37.70356	8.226366	5.224597	38.26083	14.10416	20.01293
#1	5.002672	9.353206	19.88810	20.00119	H5.175395	4.242201	8.666877
#2	5.695159	6.350324	17.06960	18.46756	3.001085	5.590474	13.00603
#3	4.686524	13.70033	19.60039	18.16022	2.623398	5.313596	10.84992
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	7.500000	15.00000	30.00000	30.00000	4.500000	7.500000	15.00000
LOW	2.500000	5.000000	10.00000	10.00000	1.500000	2.500000	5.000000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	11.44216	-3.31376	7.048851	.6687335	7.232808	17.84164	16.03063
SDEV	.38995	9.49593	4.815474	5.258215	3.044990	2.63142	2.46017
%RSD	3.408038	286.5605	68.31574	786.2946	42.09970	14.74878	15.34670
#1	11.22526	.1347083	7.689036	.8358293	5.940236	20.21911	15.58566
#2	11.20888	-14.0521	11.51221	-4.67104	10.71086	15.01427	13.82331
#3	11.89234	3.976090	1.945306	5.841409	5.047326	18.29155	18.68292
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	15.00000					30.00000	30.00000
LOW	5.000000					10.00000	10.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	19.77344	19.38394	4511.733
SDEV	.97372	.43895	136.574
%RSD	4.924395	2.264494	3.027091
#1	20.03384	19.58821	4647.466
#2	18.69600	19.68354	4513.400
#3	20.59050	18.88009	4374.333
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	30.00000	30.00000	
LOW	10.00000	10.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: SDI1005133-01 OPERATOR:
RUN TIME: 06/12/10 12:21:32
COMMENT: SDG:1005133 CLIENTID:SS73-0-1L 1:5
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.241122	10222.22	26.52293	.9949105	1154.425	.3099789	.2717678
SDEV	.215611	154.24	.14878	.0746999	8.632	.2210351	.2843593
%RSD	89.41962	1.508853	.5609674	7.508203	.7477339	71.30648	104.6332
#1	-.010960	10183.91	26.66593	1.075404	1147.930	.0547546	.3240206
#2	-.274003	10392.00	26.53388	.9815099	1164.220	.4362164	.5263771
#3	-.438404	10090.75	26.36897	.9278179	1151.124	.4389657	-.035094
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	6.894609	1.180455	3048.800	L-1126.26	402.2676	24.99382	140.4050
SDEV	.400454	.122388	30.790	6.32	3.3505	.25232	30.9744
%RSD	5.808226	10.36783	1.009902	.5608400	.8328928	1.009542	22.06078
#1	6.457234	1.073626	3025.072	L-1119.30	398.4955	24.91070	108.7686
#2	6.983331	1.153748	3083.593	L-1127.85	403.4096	25.27722	170.6720
#3	7.243263	1.313991	3037.735	L-1131.64	404.8978	24.79354	141.7743
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.847812	-.595149	11.31108	9.883534	14.54819	-.066624	1.848782
SDEV	.838485	1.005502	.52575	.199258	.56377	1.723921	1.183966
%RSD	29.44313	168.9495	4.648109	2.016060	3.875184	2587.540	64.04032
#1	1.909189	-.062875	11.44396	10.06876	15.06309	-1.95829	.4878481
#2	3.111461	.0323279	11.75765	9.672716	14.63570	.3424579	2.641808
#3	3.522786	-1.75490	10.73164	9.909128	13.94579	1.415961	2.416688
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.131262	15.58870	14.02609	-4.51451	2.151363	2.653711	-.602514
SDEV	1.094081	1.92184	.84862	.92998	2.300065	2.086787	.792801
%RSD	51.33491	12.32842	6.050283	20.59979	106.9120	78.63654	131.5823
#1	2.614215	17.69994	13.74400	-4.94860	-.468010	2.812725	.3023200
#2	2.900766	13.94109	14.97983	-5.14808	3.080967	.4919666	-.934552
#3	.8788050	15.12505	13.35445	-3.44686	3.841131	4.656442	-1.17531
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.0451821	164.9093	4603.800
SDEV	.9832315	2.4894	48.249
%RSD	2176.151	1.509555	1.048027
#1	1.180501	162.0708	4580.600
#2	-.516724	166.7210	4571.533
#3	-.528230	165.9361	4659.267
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0060318-BLK1 OPERATOR:
RUN TIME: 06/12/10 12:28:41
COMMENT: SDG:1005200 CLIENTID:PBW 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2630425	16.36137	.0149077	.4097642	381.5923	.0999020	.2728697
SDEV	.2113908	3.61096	.0800719	.1171883	.8675	.3017488	.3171405
%RSD	80.36375	22.07005	537.1187	28.59896	.2273389	302.0449	116.2241
#1	.0219202	19.61626	.0639406	.5356736	380.5911	-.138944	.2334397
#2	.3507234	16.99076	.0582760	.3897421	382.1198	.4390221	.6078815
#3	.4164840	12.47708	-.077494	.3038768	382.0661	-.000372	-.022712
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000
LOW	-5.00000	-200.000	-200.000	-5.00000	-5000.00	-5.00000	-5.00000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0941933	.2350224	8.007668	-1432.22	3.596657	.1732930	89.88328
SDEV	.1559807	.1488908	7.052367	3.99	1.838754	.0599497	64.75372
%RSD	165.5964	63.35175	88.07018	.2789068	51.12398	34.59443	72.04201
#1	.1299714	.1922910	3.945807	-1430.99	1.599460	.1416856	100.6210
#2	.2291766	.4006066	3.926163	-1428.98	5.219290	.2424324	148.5969
#3	-.076568	.1121695	16.15103	-1436.68	3.971219	.1357610	20.43189
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000
LOW	-5.00000	-5.00000	-100.000	-5000.00	-5000.00	-10.0000	-5000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1578421	-1.03849	-.001061	1.286401	.8861867	.7118576	2.048880
SDEV	.8549844	1.44625	.266241	.206608	1.096620	1.454052	1.306612
%RSD	541.6708	139.2645	25095.50	16.06097	123.7460	204.2616	63.77201
#1	-.119202	-.653564	-.266053	1.496736	1.723321	1.887621	2.228861
#2	1.116994	-2.63826	.2664108	1.083732	1.290408	1.161980	3.256171
#3	-.524265	.1763519	-.003540	1.278735	-.355169	-.914028	.6616077
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000
LOW	-40.0000	-10.0000	-20.0000	-20.0000	-3.00000	-5.00000	-10.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3238699	4.024840	-.683381	-3.06134	2.593040	-.880954	.2621781
SDEV	.8218436	1.611670	.870871	3.15876	.881736	1.749219	.3019298
%RSD	253.7574	40.04307	127.4357	103.1822	34.00394	198.5596	115.1621
#1	.3468036	4.950263	.1096657	.2288758	2.713147	.7016179	.6073456
#2	1.134007	4.960404	-.544437	-3.34314	3.408566	-2.75915	.0470953
#3	-.509201	2.163854	-1.61537	-6.06976	1.657408	-.585333	.1320935
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	10.00000					100.0000	50.00000
LOW	-10.0000					-100.000	-50.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.374200	.0088489	4663.578
SDEV	.904918	.1406903	36.739
%RSD	241.8270	1589.914	.7877781
#1	-1.36429	-.151421	4637.533
#2	-.168423	.0659833	4647.600
#3	.4101077	.1119841	4705.600
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	5.000000	40.00000	
LOW	-5.00000	-40.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0060318-BS1 OPERATOR:
RUN TIME: 06/12/10 12:35:49
COMMENT: SDG:1005200 CLIENTID:LCSW 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	912.7137	19239.72	18788.43	500.7764	48846.65	455.8740	4788.929
SDEV	13.9407	125.09	105.27	10.1981	1132.23	10.1363	83.610
%RSD	1.527389	.6501821	.5603010	2.036449	2.317924	2.223487	1.745900
#1	915.0482	19243.73	18770.23	501.2372	49158.84	458.1340	4829.838
#2	897.7531	19112.67	18693.44	490.3558	47591.08	444.7984	4692.742
#3	925.3397	19362.76	18901.62	510.7363	49790.03	464.6895	4844.207
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1200.000	24000.00	24000.00	600.0000	60000.00	600.0000	6000.000
LOW	800.0000	16000.00	16000.00	400.0000	40000.00	400.0000	4000.000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	928.9025	2467.871	9525.414	51468.33	48855.06	1457.141	50164.49
SDEV	11.8358	21.798	184.074	284.45	491.22	20.490	30.59
%RSD	1.274165	.8832639	1.932453	.5526712	1.005460	1.406149	.0609730
#1	939.9388	2468.972	9655.663	51247.73	49351.82	1469.323	50195.57
#2	916.4033	2445.544	9314.826	51789.38	48369.58	1433.486	50134.43
#3	930.3653	2489.098	9605.754	51367.87	48843.79	1468.615	50163.48
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1200.000	3000.000	12000.00	60000.00	60000.00	1800.000	60000.00
LOW	800.0000	2000.000	8000.000	40000.00	40000.00	1200.000	40000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3655.988	953.4225	5002.574	1704.067	278.5871	471.4821	5882.089
SDEV	68.644	11.0007	37.669	52.491	2.4032	3.9455	74.336
%RSD	1.877578	1.153814	.7529869	3.080349	.8626482	.8368193	1.263769
#1	3679.806	952.4383	5036.894	1724.572	278.4494	466.9513	5895.005
#2	3578.608	942.9470	4962.272	1644.419	281.0562	473.3348	5802.142
#3	3709.552	964.8823	5008.556	1743.211	276.2556	474.1603	5949.122
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	4800.000	1200.000	6000.000	2400.000	360.0000	600.0000	7200.000
LOW	3200.000	800.0000	4000.000	1600.000	240.0000	400.0000	4800.000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	978.7904	280.0986	277.8285	476.8211	468.8139	966.6448	989.2056
SDEV	16.5819	17.6909	6.7599	19.2139	6.7088	17.3628	4.7176
%RSD	1.694127	6.315957	2.433114	4.029585	1.431019	1.796195	.4769084
#1	988.5955	265.0430	285.1385	459.2736	470.7817	968.2621	991.0023
#2	959.6451	299.5832	271.8030	497.3523	461.3413	948.5299	983.8537
#3	988.1306	275.6697	276.5440	473.8372	474.3188	983.1424	992.7610
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	1200.000					1205.000	1205.000
LOW	800.0000					795.0000	795.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	977.1559	980.7859	4431.133
SDEV	19.5940	9.5416	27.610
%RSD	2.005206	.9728525	.6230999
#1	975.0184	981.9019	4437.800
#2	958.7183	970.7354	4400.800
#3	997.7310	989.7204	4454.800
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	1205.000	1205.000	
LOW	795.0000	795.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005200-01 OPERATOR:
RUN TIME: 06/12/10 12:42:57
COMMENT: SDG:1005200 CLIENTID:MW0R6-5 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3178430	65.28751	42.69788	1.205105	16824.40	.3831114	.4408431
SDEV	.1830698	.81246	.26382	.099320	224.43	.0758428	.1722551
%RSD	57.59756	1.244429	.6178670	8.241598	1.333958	19.79655	39.07401
#1	.5151249	66.08509	42.39358	1.255358	16728.44	.2970189	.4761229
#2	.1534415	64.46095	42.83790	1.269256	16663.90	.4122582	.2536794
#3	.2849627	65.31649	42.86218	1.090701	17080.85	.4400571	.5927271
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6247809	4.422699	367.2550	413.1161	1471.583	31.51192	6346.163
SDEV	.2129128	.100072	13.2934	7.9853	16.300	.45644	33.987
%RSD	34.07800	2.262687	3.619662	1.932943	1.107669	1.448469	.5355552
#1	.5629643	4.502821	360.4566	422.0708	1475.946	31.50920	6365.190
#2	.4496167	4.454748	358.7356	406.7349	1453.546	31.05685	6306.923
#3	.8617618	4.310529	382.5727	410.5426	1485.258	31.96972	6366.373
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	7.300592	-2.92759	.3487831	8.335894	2.183567	1.989847	4.405604
SDEV	.598491	1.04500	.2867392	.297786	1.389998	.442221	.805537
%RSD	8.197844	35.69488	82.21133	3.572339	63.65721	22.22384	18.28437
#1	6.621552	-1.74303	.6716610	8.104902	3.450778	2.102333	5.237525
#2	7.751337	-3.71898	.2508406	8.230802	2.403031	1.502247	4.349949
#3	7.528885	-3.32075	.1238478	8.671977	.6968925	2.364962	3.629337
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.8191370	6.892192	-.169881	-3.34421	4.650212	.1767392	-.163970
SDEV	1.834585	1.321058	1.456592	1.05714	1.080617	2.126651	.929535
%RSD	223.9656	19.16746	857.4186	31.61114	23.23802	1203.271	566.8944
#1	.8132139	7.814813	1.269348	-4.42940	5.360619	2.526741	.6846896
#2	-1.01248	7.482915	-.135755	-2.31754	3.406625	-1.61532	-1.15739
#3	2.656676	5.378849	-1.64324	-3.28569	5.183394	-.381201	-.019206
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.781459	.0253591	4530.866
SDEV	1.229576	.1756309	26.444
%RSD	69.02075	692.5754	.5836411
#1	3.194543	-.122451	4501.066
#2	1.194301	-.020987	4551.533
#3	.9555319	.2195154	4539.999
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0060318-DUP1 OPERATOR:
RUN TIME: 06/12/10 12:50:05
COMMENT: SDG:1005200 CLIENTID:MW0R6-5D 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2192021	60.94482	41.23636	.9985786	15798.21	.0109713	-.312273
SDEV	.2301622	1.58429	.54659	.0112986	47.03	.1604300	.339605
%RSD	105.0000	2.599543	1.325506	1.131471	.2977076	1462.274	108.7526
#1	.3836037	62.49865	41.27321	1.011030	15844.92	.0577219	-.085128
#2	.3178430	59.33174	40.67228	.9889795	15798.84	.1428331	-.149014
#3	-.043840	61.00406	41.76360	.9957262	15750.86	-.167641	-.702677
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.9209132	3.749679	323.1708	270.4699	1400.964	29.67097	6008.186
SDEV	.2672775	.120981	2.0775	6.9093	6.850	.25609	31.884
%RSD	29.02310	3.226427	.6428362	2.554565	.4889356	.8630928	.5306787
#1	1.204789	3.877873	324.2668	278.3996	1404.611	29.77867	6023.822
#2	.8838466	3.733655	320.7748	265.7447	1405.218	29.85561	5971.503
#3	.6741037	3.637509	324.4706	267.2654	1393.062	29.37862	6029.235
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	6.802360	-5.37229	.3939855	7.172461	2.641216	-.012784	5.629402
SDEV	.641518	1.11102	.2804952	.424023	.360770	.503903	.828209
%RSD	9.430809	20.68052	71.19428	5.911820	13.65924	3941.526	14.71221
#1	7.378783	-6.54507	.6758230	6.696759	3.025142	-.585661	5.355560
#2	6.917073	-5.23623	.1148522	7.309930	2.589272	.3618412	4.972794
#3	6.111225	-4.33557	.3912814	7.510693	2.309233	.1854667	6.559852
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6676520	7.238880	.3431233	-8.73044	4.336804	-.759665	-1.21804
SDEV	2.191075	2.426305	1.508002	2.38374	.818418	.792169	1.09719
%RSD	328.1762	33.51769	439.4928	27.30374	18.87147	104.2787	90.07866
#1	1.995176	5.225521	1.923885	-10.3878	4.305322	-1.67120	-1.25466
#2	1.869117	9.932789	-1.07969	-5.99858	3.534581	-.237841	-.102992
#3	-1.86134	6.558329	.1851704	-9.80499	5.170509	-.369957	-2.29646
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.0377937	.2405422	4462.355
SDEV	.5057848	.1233317	14.462
%RSD	1338.279	51.27236	.3240778
#1	.4994374	.3217834	4446.400
#2	-.502838	.3012162	4466.066
#3	.1167815	.0986270	4474.600
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0060318-MS1 OPERATOR:
RUN TIME: 06/12/10 12:57:13
COMMENT: SDG:1005200 CLIENTID:MW0R6-5S 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	46.21876	2040.803	2027.653	52.36264	15817.90	47.68776	495.0289
SDEV	1.47888	44.973	40.421	1.07351	475.69	1.75950	14.1457
%RSD	3.199747	2.203698	1.993490	2.050139	3.007310	3.689632	2.857547
#1	47.89566	2017.822	1993.176	53.09326	16349.60	49.68855	507.5930
#2	45.65980	2011.964	2017.646	51.13011	15432.65	46.38164	479.7076
#3	45.10083	2092.624	2072.138	52.86454	15671.45	46.99308	497.7862
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	191.2045	249.4178	1374.101	383.2426	1418.135	531.7250	6202.037
SDEV	7.3294	4.0463	60.526	52.7699	30.091	15.4060	94.536
%RSD	3.833262	1.622314	4.404759	13.76933	2.121882	2.897367	1.524273
#1	199.3484	254.0488	1442.700	337.8090	1443.180	547.1165	6170.034
#2	185.1382	246.5655	1328.226	370.7954	1384.755	516.3045	6127.657
#3	189.1267	247.6391	1351.376	441.1234	1426.470	531.7541	6308.421
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	477.7157	45.65210	510.6585	443.8121	20.66954	10.24139	508.4375
SDEV	11.2180	1.73556	9.0139	21.8415	.18391	.33570	11.1571
%RSD	2.348258	3.801715	1.765157	4.921334	.8897591	3.277884	2.194390
#1	489.2391	47.43567	518.3456	468.6634	20.68872	10.56341	515.1137
#2	466.8304	45.55174	500.7378	427.6635	20.84311	9.893506	495.5573
#3	477.0775	43.96890	512.8920	435.1093	20.47680	10.26726	514.6417
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	42.55835	18.45253	21.77312	-1.19839	15.94991	986.8765	1024.910
SDEV	1.47200	5.33751	2.60772	4.52144	2.74748	21.2440	12.179
%RSD	3.458787	28.92562	11.97681	377.2932	17.22566	2.152648	1.188346
#1	41.98338	12.66133	24.69300	-6.12621	18.89300	1009.511	1026.642
#2	41.46060	23.17447	19.67603	2.759120	13.45255	967.3697	1011.957
#3	44.23106	19.52180	20.95034	-.228076	15.50417	983.7487	1036.131
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1002.192	1008.789	4319.667
SDEV	18.068	8.582	129.174
%RSD	1.802802	.8507153	2.990364
#1	1013.724	1007.258	4452.533
#2	981.3698	1001.076	4311.933
#3	1011.483	1018.034	4194.533
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0060318-MSD1 OPERATOR:
RUN TIME: 06/12/10 13:04:22
COMMENT: SDG:1005200 CLIENTID:MW0R6-5SD 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	47.62165	2048.944	2056.378	53.76764	16133.30	48.92307	512.5915
SDEV	.44883	14.989	20.022	.20898	147.94	.20888	3.5350
%RSD	.9424910	.7315481	.9736497	.3886707	.9169974	.4269497	.6896251
#1	47.10653	2066.251	2063.517	53.93626	16118.92	49.01365	515.3956
#2	47.92854	2040.160	2071.852	53.53384	15993.07	48.68419	508.6207
#3	47.82990	2040.420	2033.765	53.83282	16287.91	49.07137	513.7584
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	196.7330	257.8145	1321.063	336.5322	1425.299	549.6811	6249.495
SDEV	2.2571	1.0843	16.796	18.4161	9.863	1.7482	99.105
%RSD	1.147290	.4205833	1.271408	5.472323	.6920012	.3180381	1.585807
#1	197.5807	257.0133	1327.460	355.3395	1431.058	549.0657	6354.677
#2	194.1747	257.3819	1302.008	335.7233	1413.911	548.3238	6235.947
#3	198.4434	259.0484	1333.720	318.5339	1430.929	551.6537	6157.861
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	491.8290	43.56461	524.5477	458.9445	21.15923	10.95257	513.7519
SDEV	1.1335	1.70505	6.3773	4.2396	.78269	1.16567	3.7735
%RSD	.2304660	3.913851	1.215771	.9237805	3.699040	10.64288	.7345047
#1	492.8552	42.21034	529.5281	456.5881	20.71101	10.68657	513.0939
#2	490.6124	43.00415	517.3600	456.4064	20.70369	12.22825	517.8112
#3	492.0195	45.47935	526.7551	463.8388	22.06299	9.942891	510.3507
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	40.36507	26.66980	18.40490	4.279985	14.28114	1016.294	1030.187
SDEV	1.26471	2.97077	1.81225	3.087255	.28849	7.340	4.939
%RSD	3.133185	11.13909	9.846559	72.13238	2.020090	.7222371	.4794007
#1	40.27702	29.49523	16.32238	4.009290	14.01745	1019.461	1034.940
#2	39.14669	23.57239	19.26844	7.493675	14.58927	1007.903	1030.539
#3	41.67151	26.94178	19.62388	1.336991	14.23669	1021.520	1025.082
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1027.900	1036.111	4430.555
SDEV	6.014	3.454	44.242
%RSD	.5850587	.3333865	.9985708
#1	1021.664	1038.048	4380.800
#2	1033.663	1032.123	4445.400
#3	1028.374	1038.162	4465.466
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: SDI1005200-01 OPERATOR:
RUN TIME: 06/12/10 13:11:30
COMMENT: SDG:1005200 CLIENTID:MW0R6-5L 1:5
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1205612	22.59732	8.609297	.3683612	3770.791	.1229431	.1657581
SDEV	.2053375	3.70570	.033424	.1301312	37.517	.0757151	.4161867
%RSD	170.3181	16.39883	.3882324	35.32706	.9949363	61.58549	251.0808
#1	.3507234	22.14135	8.593844	.5098637	3736.726	.1934780	-.267614
#2	-.043840	19.14071	8.647652	.2538276	3811.001	.1324128	.2025741
#3	.0548005	26.50990	8.586396	.3413922	3764.647	.0429386	.5623137
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.7852476	2.264764	91.14548	L-1072.76	314.3279	6.649776	1324.377
SDEV	.8870314	.419191	25.00157	4.03	7.4809	.099140	28.356
%RSD	112.9620	18.50925	27.43040	.3760574	2.379974	1.490883	2.141102
#1	.2217396	1.874840	70.92811	L-1068.52	308.8095	6.573485	1336.371
#2	.3262799	2.211349	83.40699	L-1073.20	311.3318	6.614005	1344.766
#3	1.807723	2.708101	119.1013	L-1076.55	322.8425	6.761838	1291.995
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.590670	-1.17207	.1105399	2.843417	1.045408	1.009254	1.431881
SDEV	1.092465	1.73293	.2773817	.934169	1.047275	2.697072	3.296104
%RSD	68.67954	147.8514	250.9336	32.85375	100.1785	267.2342	230.1940
#1	1.046143	.8289183	-.117652	2.298597	.0285817	-1.72353	-1.50508
#2	.8774905	-2.18044	.4192818	2.309571	2.120683	3.669134	.8039327
#3	2.848376	-2.16470	.0299894	3.922084	.9869606	1.082161	4.996788
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.172974	-1.85015	2.488441	-3.04184	3.029190	-.656904	-1.14808
SDEV	.666076	6.96316	3.791512	7.61229	3.416313	1.901868	1.75611
%RSD	30.65274	376.3567	152.3650	250.2527	112.7798	289.5199	152.9598
#1	2.298048	2.393038	-1.15445	-4.54060	-.319686	-1.44524	.0275826
#2	1.453228	1.942828	2.206889	5.208355	2.898089	1.512369	-3.16674
#3	2.767647	-9.88632	6.412880	-9.79329	6.509165	-2.03784	-.305089
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.048129	.2253398	4687.066
SDEV	.692485	.5122839	18.799
%RSD	66.06867	227.3384	.4010841
#1	1.834507	-.146862	4693.066
#2	.7804118	.0132769	4665.999
#3	.5294687	.8096042	4702.133
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0060318-PS1 OPERATOR:
RUN TIME: 06/12/10 13:18:38
COMMENT: SDG:1005200 CLIENTID:MW0R6-5A 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	19.13634	498.0283	480.3453	12.70287	16764.06	10.44193	109.6298
SDEV	.32935	7.0774	2.9991	.05770	184.17	.23173	1.0424
%RSD	1.721079	1.421088	.6243563	.4542348	1.098622	2.219233	.9508143
#1	19.15826	504.0950	483.0763	12.76422	16690.07	10.47036	110.5905
#2	18.79658	499.7369	480.8237	12.64969	16628.39	10.19729	108.5215
#3	19.45419	490.2530	477.1357	12.69469	16973.72	10.65813	109.7773
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	21.52568	59.47676	585.5591	474.2587	1503.802	64.87099	6532.017
SDEV	2.39066	.87024	36.1690	24.3955	14.079	.99343	41.888
%RSD	11.10607	1.463164	6.176836	5.143920	.9362276	1.531401	.6412714
#1	22.93436	59.36993	605.0958	478.5510	1517.476	65.67400	6575.684
#2	18.76538	58.66486	543.8230	496.2232	1489.350	63.76006	6492.170
#3	22.87729	60.39548	607.7585	448.0020	1504.580	65.17892	6528.196
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	93.53348	18.18166	112.9003	46.87232	8.503029	9.734573	136.5641
SDEV	1.62301	.88679	.4669	1.36538	1.629289	1.196558	5.0535
%RSD	1.735220	4.877389	.4135330	2.912968	19.16128	12.29184	3.700447
#1	93.42759	17.20389	113.1443	47.91380	8.710948	10.60969	140.2507
#2	91.96602	18.93394	113.1946	45.32653	6.779761	10.22297	130.8036
#3	95.20686	18.40714	112.3620	47.37664	10.01838	8.371067	138.6379
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	19.54502	11.26385	7.121591	-.852650	15.01750	.3509598	-.316794
SDEV	4.16947	1.92212	2.323341	1.194694	1.44248	.5979014	1.287084
%RSD	21.33263	17.06451	32.62391	140.1154	9.605339	170.3618	406.2849
#1	22.90848	9.250295	8.438568	-1.00775	16.40693	.5961649	-.062389
#2	14.88003	11.46209	4.438975	.4120180	15.11829	-.330563	-1.71208
#3	20.84654	13.07917	8.487229	-1.96222	13.52726	.7872775	.8240916
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.4283942	.0530664	4385.377
SDEV	.9465322	.5448920	69.730
%RSD	220.9489	1026.812	1.590051
#1	.6548045	.3981141	4370.733
#2	-.610811	-.575104	4324.133
#3	1.241190	.3361892	4461.267
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV OPERATOR:
RUN TIME: 06/12/10 13:25:47
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	94.85971	48117.13	974.1641	1025.442	50608.47	957.3820	1007.556
SDEV	2.71065	673.86	11.7689	27.845	1821.41	22.6082	31.431
%RSD	2.857533	1.400464	1.208103	2.715463	3.599031	2.361461	3.119492
#1	92.41560	48638.54	984.7212	1018.372	49772.77	947.0815	998.1679
#2	94.38843	47356.24	976.2961	1001.813	49354.88	941.7582	981.8888
#3	97.77509	48356.62	961.4748	1056.141	52697.78	983.3061	1042.611
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	959.8469	986.5877	25227.68	52010.54	51949.43	1016.748	50676.85
SDEV	32.4803	16.1231	698.94	1116.64	831.41	27.469	420.13
%RSD	3.383901	1.634229	2.770548	2.146952	1.600425	2.701644	.8290330
#1	951.3228	974.9648	25048.80	53135.87	52124.77	1012.923	51143.40
#2	932.4788	979.8041	24635.55	51992.94	51044.32	991.3913	50558.70
#3	995.7393	1004.994	25998.68	50902.80	52679.18	1045.928	50328.44
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	970.8165	1025.509	1012.696	1003.060	981.8159	1034.611	1028.659
SDEV	21.0566	15.155	27.161	43.366	15.3987	3.243	9.201
%RSD	2.168960	1.477820	2.682068	4.323356	1.568395	.3134391	.8944725
#1	962.5501	1026.305	1011.322	Q980.3068	966.9786	1037.966	1032.561
#2	955.1474	1009.972	986.2476	Q975.8055	980.7483	1031.493	1018.149
#3	994.7520	1040.251	1040.518	1053.067	997.7206	1034.374	1035.265
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1041.032	986.4852	979.4810	1064.937	1019.468	1025.047	1031.384
SDEV	17.568	28.0945	22.8141	19.653	13.554	21.731	7.610
%RSD	1.687589	2.847938	2.329202	1.845444	1.329536	2.120014	.7378349
#1	1046.146	960.8190	970.0497	1058.833	1027.545	1023.470	1038.029
#2	1021.474	1016.501	962.8948	1086.917	1003.820	1004.147	1023.082
#3	1055.476	982.1359	1005.499	1049.060	1027.040	1047.523	1033.041
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1018.584	997.1932	4427.111
SDEV	14.583	15.9038	106.433
%RSD	1.431663	1.594857	2.404128
#1	1011.428	989.4987	4320.733
#2	1008.961	986.6000	4426.999
#3	1035.362	1015.481	4533.600
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB OPERATOR:
RUN TIME: 06/12/10 13:32:57
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0328803	45.26343	.0846780	.8828197	389.0912	.2663670	.5201427
SDEV	.3107726	2.01541	.0550283	.0665348	.5966	.3334266	.6309011
%RSD	945.1628	4.452622	64.98537	7.536620	.1533319	125.1757	121.2939
#1	-.076721	43.00283	.1339103	.8168458	389.1162	.6235343	1.014271
#2	-.208242	46.87242	.0948504	.8817118	389.6749	.2122700	.7366669
#3	.3836037	45.91502	.0252732	.9499015	388.4824	-.036703	-.190510
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2748827	-.106829	5.867827	-1432.26	18.77005	.1138450	-45.9848
SDEV	.5556770	.185725	3.612623	1.64	2.51137	.0604255	33.9255
%RSD	202.1506	173.8530	61.56662	.1142450	13.37968	53.07700	73.77552
#1	-.268993	-.016025	1.696431	-1430.38	15.91457	.0442902	-13.3078
#2	.8416529	.0160242	7.978621	-1433.09	20.63560	.1438436	-81.0344
#3	.2519886	-.320486	7.928431	-1433.32	19.75999	.1534011	-43.6123
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3362135	.4613662	.1502304	.8869778	1.008261	.2717618	.0044649
SDEV	.2975512	1.525201	.4810786	.7264097	1.323994	.3399086	1.339151
%RSD	88.50068	330.5837	320.2273	81.89717	131.3147	125.0759	29993.09
#1	.2990783	-.507784	-.127472	.0482607	-.515616	.3271969	-.883855
#2	.6505892	-.327558	-.127569	1.297048	1.876549	-.092457	1.544750
#3	.0589729	2.219441	.7057321	1.315625	1.663850	.5805455	-.647501
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.614344	1.491717	.7642465	.6537078	.0784261	-.432136	-.225065
SDEV	1.846429	1.494920	1.678312	3.805099	1.472876	1.734585	1.228282
%RSD	114.3764	100.2147	219.6035	582.0795	1878.043	401.3976	545.7458
#1	.7468448	.6300561	-1.09024	3.283419	-1.15134	-1.52994	-.142683
#2	3.734771	3.217901	1.204258	-3.70947	1.710716	1.567595	.9599525
#3	.3614160	.6271930	2.178720	2.387170	-.324094	-1.33406	-1.49246
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.228257	.1058459	4558.444
SDEV	.437762	.1227805	52.794
%RSD	35.64087	115.9993	1.158154
#1	1.431059	-.025658	4564.866
#2	1.527841	.2174798	4607.733
#3	.7258716	.1257156	4502.733
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

Maintenance: none

Method(s) (circle one): ILM04.1 ILM05.4 Others 7470B

Operator(s): NSB 1151 Date/Time 5/28/10 1038 to 5/28/10 1328

Printed: 5/28/2010 1:33:10 PM

↑	Specified element(s) fail(s) high
↓	Specified element(s) fail(s) low
RR	Re-run sample(s) neat
RR #X	Re-run at a #-fold dilution
#X	Sample run at a #-fold dilution (aliquot of sample diluted with acidified water)
L	Matrix = leachate
W	Matrix = water
S	Matrix = solid
B	Matrix = biological tissue

SDG	Matrix	Comments
1005132	Soil	Complete
1005133	Soil	↓
1005178	Soil	

Batch
0052616
0052620
0052631

HG Run Log (V4)

File Name: V4052810

Cup	Sample ID	Client ID	Sample Type	DF	Date	Time	Results	Comments
	CAL1	S0	CALIB STD	1.0	28 MAY 10	10:38:51	2102	
	CAL2	S0.2	CALIB STD	1.0	28 MAY 10	10:40:44	4229	
	CAL3	S0.5	CALIB STD	1.0	28 MAY 10	10:42:40	7471	
	CAL4	S1.0	CALIB STD	1.0	28 MAY 10	10:44:31	12937	
	CAL5	S5.0	CALIB STD	1.0	28 MAY 10	10:46:27	54802	
	CAL6	S10.0	CALIB STD	1.0	28 MAY 10	10:48:22	105453	
	ICV1	ICV	ICV	1.0	28 MAY 10	10:50:33	3.97	
	ICB1	ICB	ICB	1.0	28 MAY 10	10:52:23	-.057	
	CRL1	CRI	CRI	1.0	28 MAY 10	10:54:13	.199	
C1	CCV1	CCV1	CCV	1.0	28 MAY 10	10:56:18	5.35	
	CCB1	CCB1	CCB	1.0	28 MAY 10	10:58:09	-.046	
	0052631-BLK1	PBS	BLANK	1.0	28 MAY 10	10:59:59	.003	
	0052631-BS1	LCSS	LCS	1.0	28 MAY 10	11:01:51	7.40	
	1005178-01	59SB13-01	SAMPLE	1.0	28 MAY 10	11:03:41	-.104	
	0052631-DUP1	59SB13-01D	DUPLICATE	1.0	28 MAY 10	11:05:31	.003	
	0052631-MS1	59SB13-01S	MATRIX SPIKE	1.0	28 MAY 10	11:07:43	1.16	
	0052631-MSD1	59SB13-01SD	MATRIX SPIKE	1.0	28 MAY 10	11:09:39	1.17	

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Reviewed By: _____ Date: 6/02/10

HG Run Log (V4)

File Name: V4052810

Cup	Sample ID	Client ID	Sample Type	DF	Date	Time	Results	Comments
	SDI1005178-01	SDI1005178-01	SDI	5	28 MAY 10	11:11:30	.019	
	1005178-02	59SB13-01D	SAMPLE	1.0	28 MAY 10	11:13:35	.026	
	1005178-03	59SB13-05	SAMPLE	1.0	28 MAY 10	11:15:38	.013	
	1005178-04	59SD02	SAMPLE	1.0	28 MAY 10	11:17:29	.095	
	CCV2	CCV2	CCV	1.0	28 MAY 10	11:19:33	5.48	
	CCB2	CCB2	CCB	1.0	28 MAY 10	11:21:44	-.058	
	1005178-05	59SD03	SAMPLE	1.0	28 MAY 10	11:23:39	.700	
	0052616-BLK1	PBS	BLANK	1.0	28 MAY 10	11:25:41	-.016	
	0052616-BS1	LCSS	LCS	1.0	28 MAY 10	11:27:53	7.50	
	1005133-01	SS73-0-1	SAMPLE	1.0	28 MAY 10	11:29:55	.154	
	0052616-DUP1	SS73-0-1D	DUPLICATE	1.0	28 MAY 10	11:31:46	.227	
	0052616-MS1	SS73-0-1S	MATRIX SPIKE	1.0	28 MAY 10	11:33:38	1.19	
	0052616-MSD1	SS73-0-1SD	MATRIX SPIKE	1.0	28 MAY 10	11:35:38	1.28	
	SDI1005133-01	SDI1005133-01	SDI	5	28 MAY 10	11:37:34	-.063	
	1005133-02	SB74-4-5	SAMPLE	1.0	28 MAY 10	11:39:24	-.017	
	1005133-03	SS75-0-1	SAMPLE	1.0	28 MAY 10	11:41:14	.293	
	CCV3	CCV3	CCV	1.0	28 MAY 10	11:43:27	5.56	
	CCB3	CCB3	CCB	1.0	28 MAY 10	11:45:19	-.052	
	1005133-04	SB75-3.5-4.5	SAMPLE	1.0	28 MAY 10	11:47:21	.121	
	1005133-05	SS63-0-1	SAMPLE	1.0	28 MAY 10	11:49:23	.134	
	1005133-06	SB63-5.5-6.5	SAMPLE	1.0	28 MAY 10	11:51:24	.007	
	1005133-07	SS61-0-1	SAMPLE	1.0	28 MAY 10	11:53:15	.124	
	1005133-08	SS61D-0-1	SAMPLE	1.0	28 MAY 10	11:55:08	.035	
	1005133-09	SB61-6-7	SAMPLE	1.0	28 MAY 10	11:57:04	-.016	
	1005133-10	SB61D-6-7	SAMPLE	1.0	28 MAY 10	11:59:05	.003	
	1005133-11	SS67-0-1	SAMPLE	1.0	28 MAY 10	12:00:57	.149	
	1005133-12	SS72-0-1	SAMPLE	1.0	28 MAY 10	12:03:03	.111	
	1005133-13	SB72-2-3	SAMPLE	1.0	28 MAY 10	12:05:04	.015	
	CCV4	CCV4	CCV	1.0	28 MAY 10	12:07:09	5.55	
	CCB4	CCB4	CCB	1.0	28 MAY 10	12:09:00	-.061	

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Reviewed By: _____ Date: 06/08/10

HG Run Log (V4)

File Name: V4052810

Cup	Sample ID	Client ID	Sample Type	DF	Date	Time	Results	Comments
	1005133-14	SS88-0-1	SAMPLE	1.0	28 MAY 10	12:10:54	.139	
	1005133-15	SB88-2.5-3.5	SAMPLE	1.0	28 MAY 10	12:12:47	-.042	
	1005133-16	SS76-0-1	SAMPLE	1.0	28 MAY 10	12:14:43	.110	
	1005133-17	SB76-6-7	SAMPLE	1.0	28 MAY 10	12:16:39	.025	
	1005133-18	SS87-0-1	SAMPLE	1.0	28 MAY 10	12:18:30	.271	
	1005133-19	SB87-3-4	SAMPLE	1.0	28 MAY 10	12:20:21	.165	
	1005133-20	SS68-0-1	SAMPLE	1.0	28 MAY 10	12:22:16	.040	
	0052620-BLK1	PBS	BLANK	1.0	28 MAY 10	12:24:16	.004	
	0052620-BS1	LCSS	LCS	1.0	28 MAY 10	12:26:08	7.59	
	1005132-01	SB85-1.5-2.5	SAMPLE	1.0	28 MAY 10	12:28:00	.245	
	CCV5	CCV5	CCV	1.0	28 MAY 10	12:29:52	5.57	
	CCB5	CCB5	CCB	1.0	28 MAY 10	12:31:53	-.059	
	0052620-DUP1	SB85-1.5-2.5D	DUPLICATE	1.0	28 MAY 10	12:33:43	.173	
	0052620-MS1	SB85-1.5-2.5S	MATRIX SPIKE	1.0	28 MAY 10	12:35:47	1.63	
	0052620-MSD1	SB85-1.5-2.5SD	MATRIX SPIKE	1.0	28 MAY 10	12:37:49	1.60	
	SDI1005132-01	SDI1005132-01	SDI	5	28 MAY 10	12:39:42	.027	
	1005132-02	SB78-3.5-4.5	SAMPLE	1.0	28 MAY 10	12:41:36	.283	
	1005132-03	SS77-0-1	SAMPLE	1.0	28 MAY 10	12:43:42	.337	
	1005132-04	SB77-3.5-4.5	SAMPLE	1.0	28 MAY 10	12:45:35	.510	
	1005132-05	SS79-0-1	SAMPLE	1.0	28 MAY 10	12:47:31	.334	
	1005132-06	SB79-11-12	SAMPLE	1.0	28 MAY 10	12:49:25	.537	
	1005132-07	SS83-0-1	SAMPLE	1.0	28 MAY 10	12:51:17	.632	
	CCV6	CCV6	CCV	1.0	28 MAY 10	12:53:08	5.61	
	CCB6	CCB6	CCB	1.0	28 MAY 10	12:54:58	-.062	
	1005132-08	SB83-6.5-7.5	SAMPLE	1.0	28 MAY 10	12:56:48	.494	
	1005132-09	SS62-0-1	SAMPLE	1.0	28 MAY 10	12:58:44	.850	
	1005132-10	SS74-0-1	SAMPLE	1.0	28 MAY 10	13:00:41	.672	
	1005132-11	SS86-0-1	SAMPLE	1.0	28 MAY 10	13:02:41	.149	
	1005132-12	SB86-3-4	SAMPLE	1.0	28 MAY 10	13:04:55	.070	
	1005132-13	SS84-0-1	SAMPLE	1.0	28 MAY 10	13:06:52	.076	

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Reviewed By: _____ Date: 6/8/10

HG Run Log (V4)

File Name: V4052810

Cup	Sample ID	Client ID	Sample Type	DF	Date	Time	Results	Comments
	1005132-14	SB84-6-7	SAMPLE	1.0	28 MAY 10	13:08:43	.064	
	1005132-15	SS81-0-1	SAMPLE	1.0	28 MAY 10	13:10:36	.037	
	1005132-16	SB81-5-6	SAMPLE	1.0	28 MAY 10	13:12:38	.712	
	1005132-17	SS71-0-1	SAMPLE	1.0	28 MAY 10	13:14:30	.664	
	CCV7	CCV7	CCV	1.0	28 MAY 10	13:16:24	5.70	
	CCB7	CCB7	CCB	1.0	28 MAY 10	13:18:14	-.076	
	1005132-18	SS71D-0-1	SAMPLE	1.0	28 MAY 10	13:20:16	.619	
	1005132-19	SB71-4-5	SAMPLE	1.0	28 MAY 10	13:22:09	.204	
	1005132-20	SB71D-4-5	SAMPLE	1.0	28 MAY 10	13:24:10	.403	
	CCV8	CCV8	CCV	1.0	28 MAY 10	13:26:21	5.67	
	CCB8	CCB8	CCB	1.0	28 MAY 10	13:28:13	-.097	

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Reviewed By: _____ Date: 06/08/10

Standards/QC Preparation Log for Analysis of Cold Vapor Mercury

COMPUCHEM a division of Liberty Analytical Corp. WORKSHEET 1 NNN

Seq. File Name: V405 2810

REAGENTS	REF # [1]	MANUFACTURER	LOT #	EXPIRATION DATE
Sodium Chloride (NaCL)	1m2-188-15	JTBAKER	H14614	08/12
Hydrochloric Acid (HCL)	OD25012	Caledon	72420	04/13
Hydroxylamine Hydrochloride (NH_2OH-HCL)	0D13003	JT BAKER	H51598	04/13
Stannous Chloride ($SnCL_2$-$2H_2O$)	9L30015	JT BAKER	H13584	12/12

STANDARD LOT NUMBER [2]	PREPARATION INSTRUCTIONS
$SnCL_2$– 05-25-10-NB Stannous chloride	Place in a 1000 mL volumetric flask containing 500 mL of reagent water: 100 g of $SnCl_2$-$2H_2O$ Baker Instra-analyzed or equivalent 250 mL of HCL Baker Instra-analyzed or equivalent Dilute to 1000 mL with reagent water. Prepare as needed
HCL– 05-28-10 – NB Hydrochloric Acid	Place in a 2 L volumetric flask: 1000 mL of deionized water 200 mL of concentrated HCL Baker Instra-analyzed or equivalent Dilute to 2000 mL with reagent water. Prepare as needed
NH_2OH-HCL– 05-26-10 –NB Hydroxylamine hydrochloride	Place in a 2000 ml volumetric flask: 240.0 g of NH_2OH-HCl Baker Instra-analyzed or equivalent 240.0 g NaCl Baker Instra-analyzed or equivalent Dilute to 2000 mL with reagent water. Place solution in a repipetor bottle. Prepare as needed

Standard Solutions Prepared By: W Baum

Entered By: W Baum Date: 05/28/10

Reviewed By: [signature] Date: 060910

[1]Ref# = Logbook ID, Page number, and item number from Materials Receipt Log

[2]Standard Lot Number consists of standard ID, date prepared, and initials of preparer.

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CompuChem, a Division of Liberty Analytical Corp.

Initial Calibration Log

Analyst: NSB 1151 Analysis Date: 5/28/10 Work Order(s): 1005132, 1005133, 1005178

Calibration Data (see attached calibration curve plot)

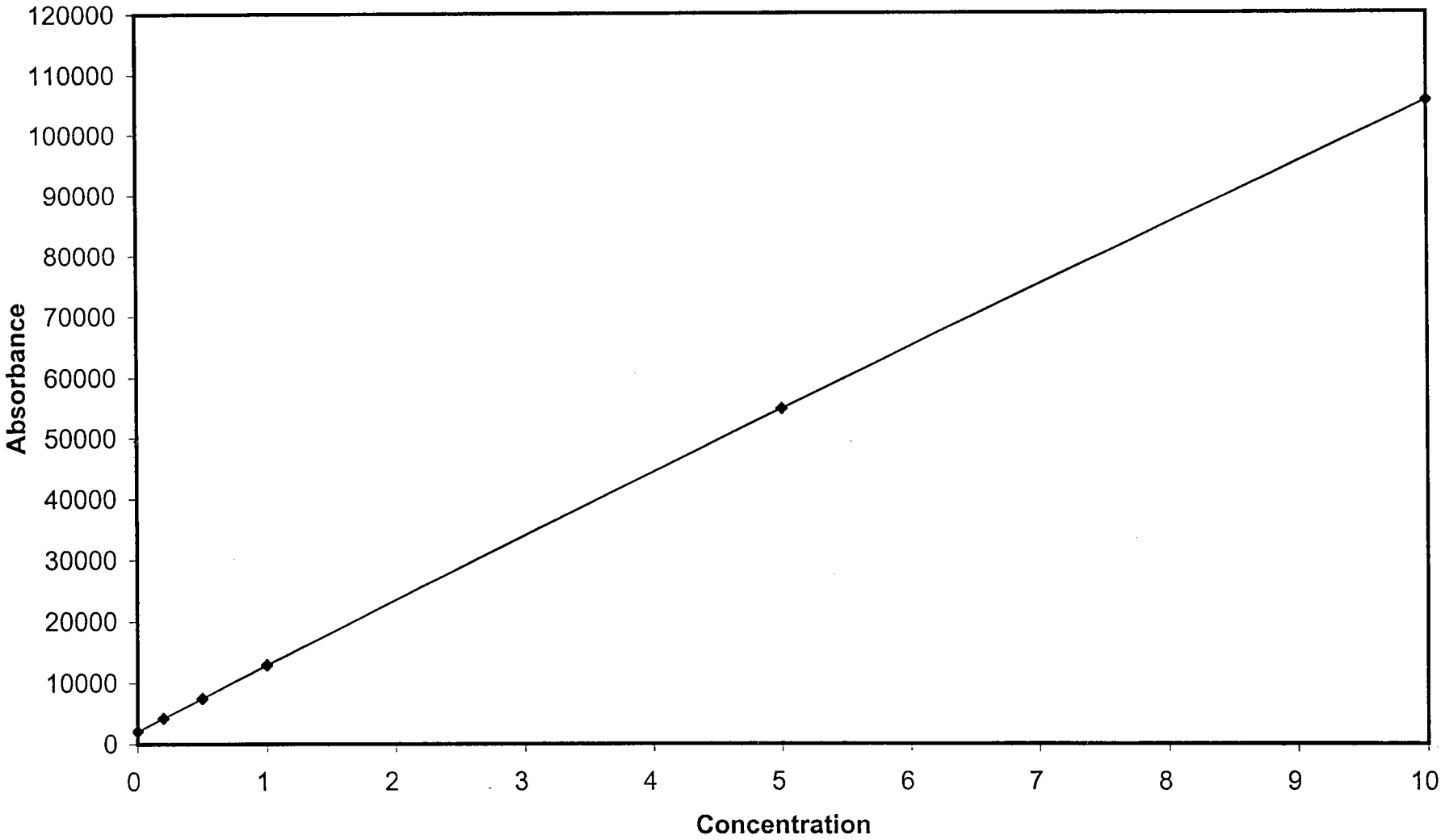
ABSORBANCE READING	Theoretical Concentration	Calculated Concentration
2102	0	-0.0260007
4230	0.2	0.179688809
7472	0.5	0.493056007
12938	1	1.021391945
54803	5	5.06800446
105454	10	9.963859483

Regression Output	
Constant	-0.229177092
Correlation Coeff.	0.999952854
No. of Observations	5
Degrees of Freedom	4
X Coefficient(s)	9.66586E-05

Reviewed by: [signature] Date: 06/7/10

Analyst: NSB 1151

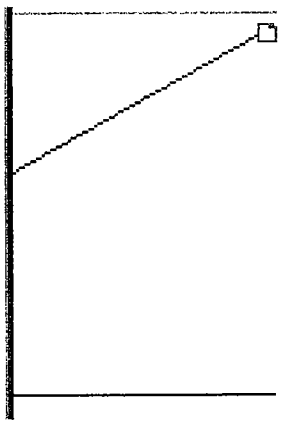
Analysis Date: _____



Reviewed by: _____

Date: 060716

Protocol: INSTIDV4
Folder: U405810



Type: HP LaserJet
Where: Wetchem La
Commer: Wetchem La

Accepted Date:

# of copies: 1

S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
01	.00000	-.026	-.026	2102	0	2102				
02	.20000	.180	-.020	4230	0%	4229				
03	.50000	.493	-.007	7472	0%	7471				
04	1.0000	1.02	.021	12938	0%	12937				
05	5.0000	5.07	.068	54803	0%	54802				
06	10.000	9.96	-.036	105454	0%	105453				
07										
08										
09										
10										

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Standard: 1 Rep: 1				Seq: 1		10:38:51 28 May 10			HG
Hg	.000	ppb	2102						
*** Standard: 2 Rep: 1				Seq: 2		10:40:44 28 May 10			HG
Hg	.200	ppb	4229						
*** Standard: 3 Rep: 1				Seq: 3		10:42:40 28 May 10			HG
Hg	.500	ppb	7471						
*** Standard: 4 Rep: 1				Seq: 4		10:44:31 28 May 10			HG
Hg	1.00	ppb	12937						
*** Standard: 5 Rep: 1				Seq: 5		10:46:27 28 May 10			HG
Hg	5.00	ppb	54802						
*** Standard: 6 Rep: 1				Seq: 6		10:48:22 28 May 10			HG
Hg	10.0	ppb	105453						

*** Check Standard: 3 Ck3 ICV Seq: 7 10:50:33 28 May 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.2	3.97	4.00	ppb	.000

*** Check Standard: 1 Ck1 ~~CCB~~ IB 4/5/10 Seq: 8 10:52:23 28 May 10 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.057	.200	ppb	.000

*** Check Standard: 4 Ck4 CRI Seq: 9 10:54:13 28 May 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.5	.199	.200	ppb	.000

*** Check Standard: 2 Ck2 CCV Seq: 10 10:56:18 28 May 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		107.	5.35	5.00	ppb	.000

*** Check Standard: 1 Ck1 CCB Seq: 11 10:58:09 28 May 10 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.046	.200	ppb	.000

*** Sample ID: PBS Seq: 12 10:59:59 28 May 10 HG
0052631-BLK1

Hg	.003	ppb	.000	.003

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*** Sample ID: LCSS Seq: 13 11:01:51 28 May 10 HG
0052631-BS1

Hg	7.40	ppb	.000	7.40

=

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*** Sample ID: 59SB13-01 Seq: 14 11:03:41 28 May 10 HG
1005178-01

Hg	-.104	ppb	.000	-.104

=

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*** Sample ID: 59SB13-01D Seq: 15 11:05:31 28 May 10 HG
0052631-DUP1

Hg	.003	ppb	.000	.003

==========

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID: 59SB13-01S				Seq: 16		11:07:43 28 May 10		HG	
				0052631-MS1					
Hg	1.16	ppb	.000	1.16					=
*** Sample ID: 59SB13-01S				Seq: 17		11:09:39 28 May 10		HG	
				0052631-MSD1					
Hg	1.17	ppb	.000	1.17					=
*** Sample ID: 59SB13-01				Seq: 18		11:11:30 28 May 10		HG	
				SDI1005178-01 5X					
Hg	.019	ppb	.000	.019					=
*** Sample ID: 59SB13-01D				Seq: 19		11:13:35 28 May 10		HG	
				1005178-02					
Hg	.026	ppb	.000	.026					=
*** Sample ID: 59SB13-05				Seq: 20		11:15:38 28 May 10		HG	
				1005178-03					
Hg	.013	ppb	.000	.013					=
*** Sample ID: 59SD02				Seq: 21		11:17:29 28 May 10		HG	
				1005178-04					
Hg	.095	ppb	.000	.095					=
*** Check Standard: 2 Ck2 CCV				Seq: 22		11:19:33 28 May 10		HG	
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		110.	5.48	5.00	ppb	.000			=
*** Check Standard: 1 Ck1 CCB				Seq: 23		11:21:44 28 May 10		HG	
Line	Flag	Found	Range(+/-)	Units		SD/RSD			
Hg		-.058	.200	ppb		.000			=
*** Sample ID: 59SD03				Seq: 24		11:23:39 28 May 10		HG	
				1005178-05					
Hg	.700	ppb	.000	.700					=
*** Sample ID: PBS				Seq: 25		11:25:41 28 May 10		HG	
				0052616-BLK1					
Hg	-.016	ppb	.000	-.016					=
*** Sample ID: LCSS				Seq: 26		11:27:53 28 May 10		HG	
				0052616-BS1					
Hg	7.50	ppb	.000	7.50					=
*** Sample ID: SS73-0-1				Seq: 27		11:29:55 28 May 10		HG	
				1005133-01					
Hg	.154	ppb	.000	.154					=
*** Sample ID: SS73-0-1D				Seq: 28		11:31:46 28 May 10		HG	
				0052616-DUP1					
Hg	.227	ppb	.000	.227					=

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID: SS73-0-1S				Seq: 29		11:33:38 28 May 10			HG
				0052616-MS1					
Hg	1.19	ppb	.000	1.19					=
*** Sample ID: SS73-0-1SD				Seq: 30		11:35:38 28 May 10			HG
				0052616-MSD1					
Hg	1.28	ppb	.000	1.28					=
*** Sample ID: SS73-0-1				Seq: 31		11:37:34 28 May 10			HG
				SDI1005133-01 5X					
Hg	-.063	ppb	.000	-.063					=
*** Sample ID: SB74-4-5				Seq: 32		11:39:24 28 May 10			HG
				1005133-02					
Hg	-.017	ppb	.000	-.017					=
*** Sample ID: SS75-0-1				Seq: 33		11:41:14 28 May 10			HG
				1005133-03					
Hg	.293	ppb	.000	.293					=
*** Check Standard: 2 Ck2 CCV				Seq: 34		11:43:27 28 May 10			HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		111.	5.56	5.00	ppb	.000			=
*** Check Standard: 1 Ck1 CCB				Seq: 35		11:45:19 28 May 10			HG
Line	Flag	Found	Range(+/-)	Units		SD/RSD			
Hg		-.052	.200	ppb		.000			=
*** Sample ID: SB75-3.5-4				Seq: 36		11:47:21 28 May 10			HG
				1005133-04					
Hg	.121	ppb	.000	.121					=
*** Sample ID: SS63-0-1				Seq: 37		11:49:23 28 May 10			HG
				1005133-05					
Hg	.134	ppb	.000	.134					=
*** Sample ID: SB63-5.5-6				Seq: 38		11:51:24 28 May 10			HG
				1005133-06					
Hg	.007	ppb	.000	.007					=
*** Sample ID: SS61-0-1				Seq: 39		11:53:15 28 May 10			HG
				1005133-07					
Hg	.124	ppb	.000	.124					=
*** Sample ID: SS61D-0-1				Seq: 40		11:55:08 28 May 10			HG
				1005133-08					
Hg	.035	ppb	.000	.035					=
*** Sample ID: SB61-6-7				Seq: 41		11:57:04 28 May 10			HG
				1005133-09					
Hg	-.016	ppb	.000	-.016					=

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID: SB61D-6-7				Seq: 42		11:59:05 28 May 10			HG
				1005133-10					
Hg	.003	ppb	.000	.003					=
*** Sample ID: SS67-0-1				Seq: 43		12:00:57 28 May 10			HG
				1005133-11					
Hg	.149	ppb	.000	.149					=
*** Sample ID: SS72-0-1				Seq: 44		12:03:03 28 May 10			HG
				1005133-12					
Hg	.111	ppb	.000	.111					=
*** Sample ID: SB72-2-3				Seq: 45		12:05:04 28 May 10			HG
				1005133-13					
Hg	.015	ppb	.000	.015					=

*** Check Standard: 2 Ck2 CCV Seq: 46 12:07:09 28 May 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD	
Hg		111.	5.55	5.00	ppb	.000	=

*** Check Standard: 1 Ck1 CCB Seq: 47 12:09:00 28 May 10 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD	
Hg		-.061	.200	ppb	.000	=

*** Sample ID: SS88-0-1				Seq: 48		12:10:54 28 May 10			HG
				1005133-14					
Hg	.139	ppb	.000	.139					=
*** Sample ID: SB88-2.5-3				Seq: 49		12:12:47 28 May 10			HG
				1005133-15					
Hg	-.042	ppb	.000	-.042					=
*** Sample ID: SS76-0-1				Seq: 50		12:14:43 28 May 10			HG
				1005133-16					
Hg	.110	ppb	.000	.110					=
*** Sample ID: SB76-6-7				Seq: 51		12:16:39 28 May 10			HG
				1005133-17					
Hg	.025	ppb	.000	.025					=
*** Sample ID: SS87-0-1				Seq: 52		12:18:30 28 May 10			HG
				1005133-18					
Hg	.271	ppb	.000	.271					=
*** Sample ID: SB87-3-4				Seq: 53		12:20:21 28 May 10			HG
				1005133-19					
Hg	.165	ppb	.000	.165					=
*** Sample ID: SS68-0-1				Seq: 54		12:22:16 28 May 10			HG
				1005133-20					
Hg	.040	ppb	.000	.040					=

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: PBS Seq: 55 12:24:16 28 May 10 HG
0052620-BLK1

Hg	.004	ppb	.000	.004					=

*** Sample ID: LCSS Seq: 56 12:26:08 28 May 10 HG
0052620-BS1

Hg	7.59	ppb	.000	7.59					=

*** Sample ID: SB85-1.5-2 Seq: 57 12:28:00 28 May 10 HG
1005132-01

Hg	.245	ppb	.000	.245					=

*** Check Standard: 2 Ck2 CCV Seq: 58 12:29:52 28 May 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		111.	5.57	5.00	ppb	.000

*** Check Standard: 1 Ck1 CCB Seq: 59 12:31:53 28 May 10 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.059	.200	ppb	.000

*** Sample ID: SB85-1.5-2 Seq: 60 12:33:43 28 May 10 HG
0052620-DUP1

Hg	.173	ppb	.000	.173					=

*** Sample ID: SB85-1.5-2 Seq: 61 12:35:47 28 May 10 HG
0052620-MS1

Hg	1.63	ppb	.000	1.63					=

*** Sample ID: SB85-1.5-2 Seq: 62 12:37:49 28 May 10 HG
0052620-MSD1

Hg	1.60	ppb	.000	1.60					=

*** Sample ID: SB85-1.5-2 Seq: 63 12:39:42 28 May 10 HG
SDI1005132-01 5X

Hg	.027	ppb	.000	.027					=

*** Sample ID: SB78-3.5-4 Seq: 64 12:41:36 28 May 10 HG
1005132-02

Hg	.283	ppb	.000	.283					=

*** Sample ID: SS77-0-1 Seq: 65 12:43:42 28 May 10 HG
1005132-03

Hg	.337	ppb	.000	.337					=

*** Sample ID: SB77-3.5-4 Seq: 66 12:45:35 28 May 10 HG
1005132-04

Hg	.510	ppb	.000	.510					=

*** Sample ID: SS79-0-1 Seq: 67 12:47:31 28 May 10 HG
1005132-05

Hg	.334	ppb	.000	.334					=

*** Sample ID: SB79-11-12 Seq: 68 12:49:25 28 May 10 HG
1005132-06

Hg	.537	ppb	.000	.537					=

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: SS83-0-1 Seq: 69 12:51:17 28 May 10 HG
1005132-07
Hg .632 ppb .000 .632 =

*** Check Standard: 2 Ck2 CCV Seq: 70 12:53:08 28 May 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		112.	5.61	5.00	ppb	.000

=

*** Check Standard: 1 Ck1 CCB Seq: 71 12:54:58 28 May 10 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.062	.200	ppb	.000

=

*** Sample ID: SB83-6.5-7 Seq: 72 12:56:48 28 May 10 HG
1005132-08
Hg .494 ppb .000 .494 =

==========

*** Sample ID: SS62-0-1 Seq: 73 12:58:44 28 May 10 HG
1005132-09
Hg .850 ppb .000 .850 =

==========

*** Sample ID: SS74-0-1 Seq: 74 13:00:41 28 May 10 HG
1005132-10
Hg .672 ppb .000 .672 =

==========

*** Sample ID: SS86-0-1 Seq: 75 13:02:41 28 May 10 HG
1005132-11
Hg .149 ppb .000 .149 =

==========

*** Sample ID: SB86-3-4 Seq: 76 13:04:55 28 May 10 HG
1005132-12
Hg .070 ppb .000 .070 =

==========

*** Sample ID: SS84-0-1 Seq: 77 13:06:52 28 May 10 HG
1005132-13
Hg .076 ppb .000 .076 =

==========

*** Sample ID: SB84-6-7 Seq: 78 13:08:43 28 May 10 HG
1005132-14
Hg .064 ppb .000 .064 =

==========

*** Sample ID: SS81-0-1 Seq: 79 13:10:36 28 May 10 HG
1005132-15
Hg .037 ppb .000 .037 =

==========

*** Sample ID: SB81-5-6 Seq: 80 13:12:38 28 May 10 HG
1005132-16
Hg .712 ppb .000 .712 =

==========

*** Sample ID: SS71-0-1 Seq: 81 13:14:30 28 May 10 HG
1005132-17
Hg .664 ppb .000 .664 =

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 2 Ck2 CCV Seq: 82 13:16:24 28 May 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		114.	5.70	5.00	ppb	.000

=

*** Check Standard: 1 Ck1 CCB Seq: 83 13:18:14 28 May 10 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.076	.200	ppb	.000

=

*** Sample ID: SS71D-0-1 Seq: 84 13:20:16 28 May 10 HG
1005132-18

Hg	.619	ppb	.000	.619

=

==========

*** Sample ID: SB71-4-5 Seq: 85 13:22:09 28 May 10 HG
1005132-19

Hg	.204	ppb	.000	.204

=

==========

*** Sample ID: SB71D-4-5 Seq: 86 13:24:10 28 May 10 HG
1005132-20

Hg	.403	ppb	.000	.403

=

*** Check Standard: 2 Ck2 CCV Seq: 87 13:26:21 28 May 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		113.	5.67	5.00	ppb	.000

=

*** Check Standard: 1 Ck1 CCB Seq: 88 13:28:13 28 May 10 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.097	.200	ppb	.000

=

5. Digestion and Distillation Logs

Logs shall be submitted in the following order: digestion logs for ICP, flame AA (if used), furnace AA (if used), and mercury preparations, followed by a copy of the distillation log for cyanide.

METALS/MERCURY PREPARATION LOG

Metals Method: 3050B / 6010B
Mercury Method: 7471B
Prepared By: DDD / JRR

CompuChem
A Division Of
Liberty Analytical Corp.

Preparation Date: 5-27-10
Preparation Time: 1145
Batch Number: 52615/16
Blue Soil

COMPUCHEM SAMPLE ID	CLIENT SAMPLE ID	SAMPLE TYPE	ICP Initial (g)	ICP Final (mL)	HG Initial (g)	HG Final (mL)	*Description Before	*Description After ICP
0052615/16-BLK1	PBS	MB	1.00	100	.60	100	N / A	CS / CL
0052615/16-BS1	LCSS	LCS	1.00	100	.20	100	BR / F	Y / CL
0052615/16-DUP1	SS73-0-1D	DUP	1.00		.60		BR / M	Y / CL
0052615/16-MS1	SS73-0-1S	MS	1.00		.60		BR / M	Y / CL
0052615/16-MSD1	SS73-0-1SD	MSD	1.00		.60		BR / M	Y / CL
1005133-01	SS73-0-1	SAMPLE	1.00		.60		BR / M	Y / CL
1005133-02	SB74-4-5	SAMPLE	1.00		.60		BR / M	Y / CL
1005133-03	SS75-0-1	SAMPLE	1.04		.60		BR / M	Y / CL
1005133-04	SB75-3.5-4.5	SAMPLE	1.04		.62		BR / M	Y / CL
1005133-05	SS63-0-1	SAMPLE	1.00		.60		BR / M	Y / CL
1005133-06	SB63-5.5-6.5	SAMPLE	1.00		.61		BR / M	Y / CL
1005133-07	SS61-0-1	SAMPLE	1.02		.60		BR / M	Y / CL
1005133-08	SS61D-0-1	SAMPLE	1.00		.61		BR / M	Y / CL
1005133-09	SB61-6-7	SAMPLE	1.05		.63		BR / M	Y / CL
1005133-10	SB61D-6-7	SAMPLE	1.02		.65		BR / M	Y / CL
1005133-11	SS67-0-1	SAMPLE	1.00		.62		BR / M	Y / CL
1005133-12	SS72-0-1	SAMPLE	1.03		.60		BR / M	Y / CL
1005133-13	SB72-2-3	SAMPLE	1.01		.61		BR / M	Y / CL
1005133-14	SS88-0-1	SAMPLE	1.00		.67		BR / M	Y / CL
1005133-15	SB88-2.5-3.5	SAMPLE	1.04		.61		BR / M	Y / CL
1005133-16	SS76-0-1	SAMPLE	1.01		.64		BR / M	Y / CL
1005133-17	SB76-6-7	SAMPLE	1.03		.63		BR / M	Y / CL
1005133-18	SS87-0-1	SAMPLE	1.08		.61		BR / M	Y / CL
1005133-19	SB87-3-4	SAMPLE	1.05		.60		BR / M	Y / CL
1005133-20	SS68-0-1	SAMPLE	1.01		.67		BR / M	BR Y / CL 5-27-10 DD

Mercury Standards and QC S0 S0.2 S0.5S1 S5 S10 ICV ICB CRI CCV CCB

NOTE: All standards and QC for mercury were prepared at the same day as the associated samples. Refer to the attached.

Standard/QC Preparation Log, with date matching the above preparation date, for preparation method and instruction.

Record of Tempature/Time

Hot Block Temp In:	95° C
Hot Block Temp Out:	95° C
Time Hg in water bath:	1215
Time Hg out water bath:	1245
Water Bath Temp In:	95° C
Water Bath Temp Out:	95° C

MS Reference

ICAP: 1.0mL XCL-20
Ref #: 0826007

HG: 1.0mL 100ppb Hg
Ref# Hg 100 ppb 052710 DD

LCS Reference

ICAP: 1.0g ERA PPT (540)
Ref #: 0324007

HG: 0.2g ERA PPT (540)
Ref# 0324007

* R=red, BL=blue, Y=yellow, G=green, O=orange, V=violet, W=white, CS=colorless, BR=brown, BK=black
GY= grey, F=fine, M=medium, C=coarse, CL=clear, CY=cloudy, OP=opaque

"The presence of the Chemist's/analyst's employee ID number, or signature, on this log attests that strict compliance with the method's SOP has occurred. Any SOP deviations requires documentation by the chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation."

Sample Verification Signature: M Brown

This signature corroborates that the sample idenification numbers appearing on the digestion cups are the same as those appearing on the field sample containers.

Reviewed By: _____
Date: 06 14 10

Shading has been applied to unused portions of this worksheet as a substitute for 'Z-out.

Standards/QC Preparation Log for ICP Metals/Mercury Page 1 of 3 **Case/SDG:** 1005133
COMPUCHEM a division of Liberty Analytical Corp. Worksheet 1Q (1) 2

REAGENTS	REF#[1]	MANUFACTURER	LOT#	EXPIRATION DATE
SULFURIC ACID (H_2SO_4)	9L30014	CALEDON	71645	12/15
NITRIC ACID (HNO_3)	0E19001	JT BAKER	J10027	05/15
POTASSIUM PERMANGANATE ($KMnO_4$)	0D13009	JT BAKER	J04613	04/13
HYDROCHLORIC ACID (HCL)	0E20028	CALEDON	72420	05/15
POTASSIUM PERSULFATE ($K_2S_2O_8$)	0A07004	JT BAKER	H44465	11/12
HYDROGEN PEROXIDE (H_2O_2)	0B18004	CALEDON	70692	01/11
STANDARDS				
XCL 20R	0B26007	HIGH PURITY	0925409	09/11/10
XCL LCS 10XR	9L15003	HIGH PURITY	0935232	12/10/10
ERA PPT (540)	0B24007	ERA	540	12/03/10
EPA LCS (0405)	1m2-186-23	EPA	0405	11/17/11
ICV-1 (0307)	0B04003	EPA	0307	03/12/11
ILM05.3 MATRIX SPIKE	0B23010	HIGH PURITY	1004722	02/18/11
SILVER (Ag) 100ppm	9L15009	HIGH PURITY	0934323	12/15/10
TCLP 500	9L21002	HIGH PURITY	0934202	12/10/10
ARSENIC (As) 1000ppm	9F17001	HIGH PURITY	0911221	12/05/10
MERCURY (Hg) 20ppm	9L15007	HIGH PURITY	0916320	06/15/10
ICV-5 (0508) Hg	0E20020	EPA	0508	05/17/2015

[1]Ref#=Logbook ID, Page number, and item number from Materials Receipt Log
[2]Standard Lot Number consist of standard ID, date prepared, and initials of preparer

STANDARD SOLUTIONS PREPARED BY: D. Dicken DATE: 5-27-10

ENTERED BY: D. Dicken DATE: 5-27-10

REVIEWED BY: John Rock DATE: 5-27-10

The presence of the Chemist's/Analyst's employee ID number, or signature, on this worksheet attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

12/03/07:RM

Standards/QC Preparation Log for ICP Metals/Mercury Page 2 of 3 **Case/SDG:** 1005133

COMPUCHEM a division of Liberty Analytical Corp. Worksheet 1Q (1) 2

STANDARD LOT NUMBER[2]	PREPARATION INSTRUCTIONS
Hg 100ppb-05-27-10-DD	Place in a 100mL volumetric flask: 0.5mL of 20ppm Hg stock solution 2.5mL of concentrated HNO_3 Baker instra-analyzed Trace Metals grade or equivalent Dilute to 100mL volume with reagent water **(PREPARE DAILY)**
$K_2S_2O_8$- 05-25-10-DD Potassium Persulfate	Place in a 1000mL Erlenmeyer to a re-pipettor bottle **(PREPARE AS NEEDED)**
$KmnO_4$- 05-25-10 –DD Potassium Permanganate	Place in a 2000mL volumetric flask: 100.0g of $KmnO_4$ Baker instra-analyzed Trace Metals grade or equivalent Dilute to 2000mL with reagent water **(PREARE AS NEEDED)**
HNO_3- 05-25-10 - DD Nitric Acid	Place in a 2000mL volumetric flask: 500mL of Deionized water 1000mL of concentrated HNO_3 Baker instra-analyzed Trace Metals grade or equivalent Dilute to 2000mL with reagent water **(PREPARE AS NEEDED)**
HCl- 05-26-10 - DD Hydrochloric Acid	Place in a 2000mL volumetric flask: 500mL of Deionized water 1000mL of concentrated HCl Baker instra-analyzed Trace Metals grade or equivalent Dilute to 2000mL with reagent water **(PREPARE AS NEEDED)**
Aqua Regia- 05-27-10 - DD	Place in a 1000mL container: 600mL of Concentrated HCL 200mL of Concentrated HNO3 **(PREPARE AS NEEDED)**

[1]Ref#=Logbook ID, Page number, and item number from Materials Receipt Log

[2]Standard Lot Number consist of standard ID, date prepared, and initials of preparer

STANDARD SOLUTIONS PREPARED BY: D. Dicken DATE: 5-27-10

ENTERED BY: D. Dicken DATE: 5-27-10

REVIEWED BY: [signature] DATE: 5-27-10

The presence of the Chemist's/Analyst's employee ID number, or signature, on this worksheet attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Standards/QC Preparation Log for ICP Metals/Mercury Page 3 of 3 **Case/SDG:** 1005133
COMPUCHEM a division of Liberty Analytical Corp. Worksheet 1Q (1) 2

STANDARD LOT NUMBER[2]	PREPARATION INSTRUCTIONS	Resultant Analyte Concentration
ICV-5- 05-27-10-DD	Pipet into a 300mL BOD Bottle 1.0mL of ICV-5 and 99mL of reagent water. Digest according to sample preparation instructions	4.0µg/L
S0/ICB/CCB- 05-27-10-DD	Pipet into a 300mL BOD Bottle 100mL of reagent water Digest according to sample preparation instructions	0.0µg/L
S0.2/CRA/CRI- 05-27-10-DD	Pipet into a 300mL BOD Bottle 0.2mL of Hg 100ppb and 99.8mL of reagent water Digest according to sample preparation instructions	0.2µg/L
S0.5- 05-27-10-DD	Pipet into a 300mL BOD Bottle 0.5mL of Hg 100ppb and 99.5mL of reagent water Digest according to sample preparation instructions	0.5µg/L
S1.0- 05-27-10-DD	Pipet into a 300mL BOD Bottle 1.0mL of Hg 100ppb and 99mL of reagent water Digest according to sample preparation instructions	1.0µg/L
S5.0/CCV- 05-27-10-DD	Pipet into a 300mL BOD Bottle 5.0mL of Hg 100ppb and 95mL of reagent water Digest according to sample preparation instructions	5.0µg/L
S10.0- 05-27-10-DD	Pipet into a 300mL BOD Bottle 10mL of Hg 100ppb and 90mL of reagent water Digest according to sample preparation instructions	10.0µg/L

[1]Ref#=Logbook ID, Page number, and item number from Materials Receipt Log
[2]Standard Lot Number consist of standard ID, date prepared, and initials of preparer

STANDARD SOLUTIONS PREPARED BY: D. Dicken DATE: 5-27-10

ENTERED BY: D. Dicken DATE: 5-27-10

REVIEWED BY: John Rech DATE: 5-27-10

The presence of the Chemist's/Analyst's employee ID number, or signature, on this worksheet attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

C. Chain-of-Custody Documentation

The laboratory shall include a copy of the Chain-of-Custody (CoC) Documentation for all of the samples in the SDG. The CoC documentation shall be arranged in increasing Client Sample ID number order, considering both letters and numbers.

24777

Page ____ of ____

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CompuChem
a division of Liberty Analytical Corp.

CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: VA Beach State: VA Zip: 23462
Project Contact: Rebekka Shaw
Phone #: 757-671-6279
Sampler's Name: KRogers / RDU

Project Information

Project Name: GTO-94
Sampling Location: MCB Camp Lejeune
Turnaround time
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Requested Analysis and Container/Preservative Information

Matrix Codes: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

Comments/Lab Use	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Total Metals (6010B) 200.7	Total Chromium (6010B)	SIM PAHs (8270C) 8	TCL Pest (8081A)	Grain Size (ASTM D422) 8M	Chromium VI (7196A)		Grain Size	
1005132-01	BBG-SS73-0-1-10B	5-14-10	0825	SO	3							X		X	X	X	X		1005209-14	
—	BBG-SS73-0-1-10B-MS	5-14-10	0825	SO	3							X		X	X	X	X		—	
↓ —	BBG-SS73-0-1-10B-SD	5-14-10	0825	SO	3							X		X	X	X	X		—	
1005132-13	BBG-SS84-0-1-10B	5-14-10	0855	SO	3							X		X	X	X	X		1005209-15	
↓ -14	BBG-SB84-6-7-10B	5-14-10	0905	SO	3							X		X	X	X	X		↓ -16	
1005134-01	BBG-SS02-0-1-10B	5-14-10	0930	SO	3								X	X	X	X	X		↓ -17	
-02	BBG-SS02D-0-1-10B	5-14-10	0935	SO	3								X	X	X	(*X)	X		—	
-03	BBG-SB02-5-6-10B	5-14-10	0940	SO	3								X	X	X	X	X		1005209-18	
↓ -04	BBG-SB02D-5-6-10B	5-14-10	0945	SO	3								X	X	X	(*X)	X		—	

Lab Use Only

Sample Unpacked By: Jennifer Dorer
Sample Order Entry By: Jennifer Dorer
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

*did not rec'd Grainsize for BBG-SS02D-01-10B or BBG-SB02D-56-10B not needed on "dups" (FD) 5/14/10 or MS/MSD

Sample Custody

Relinquished by:	Date/Time: 5.14.10 1600	Received by: Diane Bond	Date/Time: 5-14-10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? Y or N If yes, where? Grain size to CT LABS
Custody Seal(s) intact? Y or N (JD 5/14/10 client delivered)
On Ice? (Y) or N
Cooler Temp: 1.7 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

24782

CHAIN OF CUSTODY

Page 1 of 1

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CompuChem
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501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: Va Beach State: VA Zip: 23462
Project Contact: Rebukha Shaw
Phone #: 757-671-6279
Sampler's Name: K ROGERS/RDW

Project Information

Project Name: CTO-94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PEL contract
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Matrices
GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

Compuchem Lab Use Only (Lab No.)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Tot metals 6010B ($ more LOE)	Tot Chromium 6010B	chrom. VI 7196A	Sim Pah 8270C (1-802)	Tcl PAST 8081A (1-802)	Grain Size ASTM 422		Grain size	Sample Comments (Lab Use Only)
1005133-02	BBG-SB74-4-5-10B	5.17	1600	So	3							X		X	X	X	X		1005211-01	
-03	BBG-SS75-0-1-10B	5-17	1635	SO	3							X		X	X	X	X			-02
-04	BBG-SB75-3.5-4.5-10B	5-17	1645	SO	3							X		X	X	X	X			-03
-05	BBG-SS63-0-1-10B	5-18	0840	SO	3							X		X	X	X	X			-04
-06	BBG-SB63-5.5-6.5-10B	5.18	0900	SO	3							X		X	X	X	X			-05
-07	BBG-SS61-0-1-10B	5.18	0945	SO	3							X		X	X	X	X			-06
-08	BBG-SS61D-0-1-10B	5.18	0950	SO	2							X		X	X	X				-08 (80) 5/28/10
-09	BBG-SB61-6-7-10B	5.18	0955	SO	3							X		X	X	X	X		1005211-07	
-10	BBG-SB61D-6-7-10B	5.18	1000	SO	2							X		X	X	X				

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

Sample Custody

Relinquished by:	Date/Time: 5.18.10 1420	Received by: K. Manning	Date/Time: 5-19-10 0905
Relinquished by:	Date/Time:	Received by:	Date/Time:
Subcontact? (Y) or N If yes, where? Grain size to CT LABS	Custody Seal(s) intact? (Y) or N	On Ice? (Y) or N	Cooler Temp: 1.5 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer SN0010

24785

CHAIN OF CUSTODY

Page ____ of ____

CompuChem
a division of Liberty Analytical Corp.

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

277

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: Va Beach State: VA Zip: 23462
Project Contact: Rebekha Shaw
Phone #: 757-671-6279
Sampler's Name: K. Rogers

Project Information

Project Name: CTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N)? If yes, which ID(s)?

Matrix

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

Container Check (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B (Short)	Tot Cr 6010B 1-202	Cr VI 7196A	SIM PAH 8270C (Short 1-802)	TCL PEST 8081A (1-802)	Grain Size ASTM D422	Grain Size	Sample No. (Lab Use)
1005132-15	BBG-SS81-0-1-10B	5.18	1600	SO	3							X		X	X	X	X	1005212-01	
-16	BBG-SB81-5-6-10B	5.18	1620	SO	3							X		X	X	X	X	-02	
1005133-11	BBG-SS67-0-1-10B	5.18	1700	SO	3							X		X	X	X	X	-03	
1005134-14	BBG-SB50-1-2-10B	5.18	1750	SO	3								X	X	X	X	X	-04	
1005132-17	BBG-SS71-0-1-10B	5.19	0735	SO	3							X		X	X	X	X	-05	
-18	BBG-SS71D-0-1-10B	5.19	0740	SO	2							X		X	X	X			
-19	BBG-SB71-4-5-10B	5.19	0755	SO	3							X		X	X	X	X	1005212-06	
-20	BBG-SB71D-4-5-10B	5.19	0800	SO	2							X		X	X	X			
1005133-12	BBG-SS72-0-1-10B	5.19	0835	SO	3							X		X	X	X	X	1005212-07	
-13	BBG-SB72-2-3-10B	5.19	0845	SO	3							X		X	X	X	X	-08	

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (N/A)
625 & Phenol samples checked for chlorine? Y or (N/A)
608 samples checked for pH between 5.0-9.0? Y or (N/A)

Comments

Sample Custody

Relinquished by: [signature]	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5.21.10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? (Y) or N If yes, where? Grain size to CTLABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 4.3 °C

Samples stored 60 days after date report mailed at no extra charge.

Client Delivery - KM 5.21.10

White & Yellow copy to lab • Pink copy for customer SN0015

R

24784

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CHAIN OF CUSTODY

CompuChem
a division of Liberty Analytical Corp.

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page ____ of ____

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: VA BEACH State: VA Zip: 23462
Project Contact: Rebekka Shaw
Phone #: 757-671-6279
Sampler's Name: K. Rogers

Project Information

Project Name: CTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER Contract
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Requested Analysis (indicate filtered and preserved)

Matrix: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem Lab Use Only	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B (Share 1-20Z)	Tot Cr 6010B	Cr VI 7196A (Share 1-80Z) KM 5.21.10	PAH 8270C	TCL Pest 8081A	Grain Size ASTM D422 (1-80Z.)		Grain Size		
1005133-14	BBG-SS88-0-1-10B	5.19	0910	SO	3							X		X	X	X	X		1005210-09		
-15	BBG-SB88-2.5-3.5-10B	5.19	0925	SO	3							X		X	X	X	X				-10
-16	BBG-SS76-0-1-10B	5.19	0955	SO	3							X		X	X	X	X				-11
-17	BBG-SB76-6-7-10B	5.19	1045	SO	3							X		X	X	X	X				-12
-18	BBG-SS87-0-1-10B	5.19	1145	SO	3							X		X	X	X	X				-13
-19	BBG-SB87-3-4-10B	5.19	1155	SO	3							X		X	X	X	X				-14
1005134-15	BBG-SS12-0-1-10B	5.19	1245	SO	3								X	X	X	X	X				-15
-16	BBG-SB12-2-3-10B	5.19	1255	SO	3								X	X	X	X	X				-16
1005157-02	BBG-SS51-0-1-10B	5.19	1630	SO	3							X		X	X	X	X				-17
-03	BBG-SS51D-0-1-10B	5.19	1635	SO	2							X		X	X	X					—

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or N/A
625 & Phenol samples checked for chlorine? Y or N/A
608 samples checked for pH between 5.0-9.0? Y or N/A

Comments

Sample Custody

Relinquished by:	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5-21-10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? (Y) or N If yes, where? Grain size to CT LABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 3.9 °C

Samples stored 60 days after date report mailed at no extra charge.

KM 5.21.10 - Client Delivery

White & Yellow copy to lab • Pink copy for customer

SN0015

R2

24786

CHAIN OF CUSTODY

CompuChem
a division of Liberty Analytical Corp.

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page ____ of ____

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Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: Va Beach State: VA Zip: 23462
Project Contact: REBEKAH SHAW
Phone #: 757-671-6279
Sampler's Name: K. ROGERS

Project Information

Project Name: CTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

Lab Use Only	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B (Share 1-2a2)	tot Cr 6010B	Cr VI 7196A	SIM PAH 8270C (Share 1-8a2)	PCL PEST 8081A (1-8a2)	Grain Size ASTM D 422		Grain size		
1005157-04	BBG-SS90-0-1-10B	5.19	1455	SO	3							X		X	X	X	X		1005212	-18	
-05	BBG-SB90-2-3-10B	5.19	1500	SO	3							X		X	X	X	X		↓	-19	
1005134-17	BBG-SS44-0-1-10B	5.20	0810	SO	3								X	X	X	X	X		↓	-20	
1005134-18	BBG-SB44-5-6-10B	5.20	0825	SO	3								X	X	X	X	X		1005213	-01	
	BBG-SB44-5-6-10B-MS	5.20	0825	SO	3								X	X	X	X			—	—	
↓	BBG-SB44-5-6-10B-SD	5.20	0825	SO	3								X	X	X	X			—	—	
1005133-20	BBG-SS68-0-1-10B	5.20	~~0830~~ 0930	SO	3							X		X	X	X	X		1005213	-02	
1005134-19	BBG-SS43-0-1-10B	5.20	1035	SO	3								X	X	X	X	X		↓	-03	
-20	BBG-SB43-3-4-10B	5.20	1045	SO	3								X	X	X	X	X			-04	

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By: Lily Dy
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (N/A)
625 & Phenol samples checked for chlorine? Y or (N/A)
608 samples checked for pH between 5.0-9.0? Y or (N/A)

Comments

Sample Custody

Relinquished by:	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5.21.10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? (Y) or N If yes, where? Grain size to CT LABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 3.1 °C

Samples stored 60 days after date report mailed at no extra charge.

Client Delivery - KM 5/21/10

White & Yellow copy to lab • Pink copy for customer

SN0015

CompuChem
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Liberty Analytical Corp.

Sample ID Cross Reference

LAB WO	Project	Sample #	Field ID	Sample Date	Receive Date	DueDate	Chain of Custody ID
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-01	SS73-0-1	05/14/2010	05/14/2010	06/03/2010	BBG-SS73-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-01	SS73-0-1	05/14/2010	05/14/2010	06/10/2010	BBG-SS73-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-02	SB74-4-5	05/17/2010	05/19/2010	06/03/2010	BBG-SB74-4-5-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-02	SB74-4-5	05/17/2010	05/19/2010	06/10/2010	BBG-SB74-4-5-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-03	SS75-0-1	05/17/2010	05/19/2010	06/03/2010	BBG-SS75-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-03	SS75-0-1	05/17/2010	05/19/2010	06/10/2010	BBG-SS75-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-04	SB75-3.5-4.5	05/17/2010	05/19/2010	06/03/2010	BBG-SB75-3.5-4.5-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-04	SB75-3.5-4.5	05/17/2010	05/19/2010	06/10/2010	BBG-SB75-3.5-4.5-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-05	SS63-0-1	05/18/2010	05/19/2010	06/03/2010	BBG-SS63-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-05	SS63-0-1	05/18/2010	05/19/2010	06/10/2010	BBG-SS63-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-06	SB63-5.5-6.5	05/18/2010	05/19/2010	06/03/2010	BBG-SB63-5.5-6.5-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-06	SB63-5.5-6.5	05/18/2010	05/19/2010	06/10/2010	BBG-SB63-5.5-6.5-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-07	SS61-0-1	05/18/2010	05/19/2010	06/03/2010	BBG-SS61-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-07	SS61-0-1	05/18/2010	05/19/2010	06/10/2010	BBG-SS61-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-08	SS61D-0-1	05/18/2010	05/19/2010	06/03/2010	BBG-SS61D-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-08	SS61D-0-1	05/18/2010	05/19/2010	06/10/2010	BBG-SS61D-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-09	SB61-6-7	05/18/2010	05/19/2010	06/03/2010	BBG-SB61-6-7-10B

LAB WO	Project	Sample #	Field ID	Sample Date	Receive Date	DueDate	Chain of Custody ID
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-09	SB61-6-7	05/18/2010	05/19/2010	06/10/2010	BBG-SB61-6-7-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-10	SB61D-6-7	05/18/2010	05/19/2010	06/03/2010	BBG-SB61D-6-7-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-10	SB61D-6-7	05/18/2010	05/19/2010	06/10/2010	BBG-SB61D-6-7-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-11	SS67-0-1	05/18/2010	05/19/2010	06/03/2010	BBG-SS67-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-11	SS67-0-1	05/18/2010	05/19/2010	06/10/2010	BBG-SS67-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-12	SS72-0-1	05/19/2010	05/19/2010	06/03/2010	BBG-SS72-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-12	SS72-0-1	05/19/2010	05/19/2010	06/10/2010	BBG-SS72-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-13	SB72-2-3	05/19/2010	05/19/2010	06/03/2010	BBG-SB72-2-3-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-13	SB72-2-3	05/19/2010	05/19/2010	06/10/2010	BBG-SB72-2-3-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-14	SS88-0-1	05/19/2010	05/19/2010	06/03/2010	BBG-SS88-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-14	SS88-0-1	05/19/2010	05/19/2010	06/10/2010	BBG-SS88-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-15	SB88-2.5-3.5	05/19/2010	05/19/2010	06/03/2010	BBG-SB88-2.5-3.5-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-15	SB88-2.5-3.5	05/19/2010	05/19/2010	06/10/2010	BBG-SB88-2.5-3.5-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-16	SS76-0-1	05/19/2010	05/19/2010	06/03/2010	BBG-SS76-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-16	SS76-0-1	05/19/2010	05/19/2010	06/10/2010	BBG-SS76-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-17	SB76-6-7	05/19/2010	05/19/2010	06/03/2010	BBG-SB76-6-7-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-17	SB76-6-7	05/19/2010	05/19/2010	06/10/2010	BBG-SB76-6-7-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-18	SS87-0-1	05/19/2010	05/19/2010	06/03/2010	BBG-SS87-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-18	SS87-0-1	05/19/2010	05/19/2010	06/10/2010	BBG-SS87-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-19	SB87-3-4	05/19/2010	05/19/2010	06/03/2010	BBG-SB87-3-4-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-19	SB87-3-4	05/19/2010	05/19/2010	06/10/2010	BBG-SB87-3-4-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-20	SS68-0-1	05/20/2010	05/19/2010	06/03/2010	BBG-SS68-0-1-10B

LAB WO	Project	Sample #	Field ID	Sample Date	Receive Date	DueDate	Chain of Custody ID
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-20	SS68-0-1	05/20/2010	05/19/2010	06/10/2010	BBG-SS68-0-1-10B

WORK ORDER

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1005133

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005133** **CASE:**	**Status:**	**Prepared**

Report To:
CH2M HILL, INC.
REBEKHA SHAW
5700 CLEVELAND STREET, SUITE 101
VIRGINIA BEACH, VA 23462
Phone: 757-671-8311
Fax: -

Invoice To:
CH2M HILL, INC.
ACCOUNTS PAYABLE
P.O. BOX 241329
DENVER, CO 80224
Phone :757-671-8311
Fax: -

Date Due: 06/10/2010 00:00 (20 day TAT)

Received By: Cathy Dover — Date Received: 05/21/2010 16:00

Logged In By: Cathy Dover — Date Logged In: 05/16/2010 22:42

J & B Flags?: **YES**	TICS?:**NO**	Deliverable: **Style 9 PQL/MDL Forms**	EDD : **30) CH2 SNEDD**
Metals ND to? **RL/CRQL**	Spike Level: **FULL Spike**		

DOD CRITERIA*USE 1005133-01 FOR QC*SIM 8270C=PAH.SUB*PEST 8081A*TAL METALS*HEXAVALENT Cr 7196A + Cr+3 REPORTED ON FORMS & EDD

Analysis	Due	TAT	Expires	Received	Comments
1005133-01 SS73-0-1 [Soil] Sampled 05/14/2010 08:25 Eastern					**USE FOR QC**
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/28/2010 08:25	05/14/2010 16:00	SubList = SVsim- PAH
7470A/7471A Mercury	06/10/2010 16:00	20	06/11/2010 08:25	05/14/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	05/28/2010 08:25	05/14/2010 16:00	SubList = GC- 8081 DOD
Solids, Dry Weight	06/03/2010 16:00	13	11/10/2010 08:25	05/14/2010 16:00	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/10/2010 08:25	05/14/2010 16:00	
6010B METALS TAL	06/10/2010 16:00	20	11/10/2010 08:25	05/14/2010 16:00	

WORK ORDER

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1005133

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005133** **CASE:**	**Status:**	**Prepared**

Analysis	Due	TAT	Expires		Comments
1005133-02 SB74-4-5 [Soil] Sampled 05/17/2010 16:00 Eastern					
7470A/7471A Mercury	06/10/2010 16:00	20	06/14/2010 16:00	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/13/2010 16:00	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/13/2010 16:00	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	05/31/2010 16:00	05/19/2010 09:05	SubList = GC- 8081 DOD
Solids, Dry Weight	06/03/2010 16:00	13	11/13/2010 16:00	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/31/2010 16:00	05/19/2010 09:05	SubList = SVsim- PAH
1005133-03 SS75-0-1 [Soil] Sampled 05/17/2010 16:35 Eastern					
GC-8081A/PEST	06/10/2010 16:00	20	05/31/2010 16:35	05/19/2010 09:05	SubList = GC- 8081 DOD
6010B METALS TAL	06/10/2010 16:00	20	11/13/2010 16:35	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/31/2010 16:35	05/19/2010 09:05	SubList = SVsim- PAH
7470A/7471A Mercury	06/10/2010 16:00	20	06/14/2010 16:35	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/13/2010 16:35	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/13/2010 16:35	05/19/2010 09:05	
1005133-04 SB75-3.5-4.5 [Soil] Sampled 05/17/2010 16:45 Eastern					
6010B METALS TAL	06/10/2010 16:00	20	11/13/2010 16:45	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/14/2010 16:45	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	05/31/2010 16:45	05/19/2010 09:05	SubList = GC- 8081 DOD
Solids, Dry Weight	06/03/2010 16:00	13	11/13/2010 16:45	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/31/2010 16:45	05/19/2010 09:05	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/13/2010 16:45	05/19/2010 09:05	

WORK ORDER

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1005133

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005133** **CASE:**	**Status:**	**Batched**

Analysis	Due	TAT	Expires		Comments
1005133-05 SS63-0-1 [Soil] Sampled 05/18/2010 08:40 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 08:40	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 08:40	05/19/2010 09:05	SubList = SVsim- PAH
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 08:40	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 08:40	05/19/2010 09:05	SubList = GC- 8081 DOD
7470A/7471A Mercury	06/10/2010 16:00	20	06/15/2010 08:40	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/14/2010 08:40	05/19/2010 09:05	
1005133-06 SB63-5.5-6.5 [Soil] Sampled 05/18/2010 09:00 Eastern					
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 09:00	05/19/2010 09:05	SubList = SVsim- PAH
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 09:00	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 09:00	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 09:00	05/19/2010 09:05	SubList = GC- 8081 DOD
6010B METALS TAL	06/10/2010 16:00	20	11/14/2010 09:00	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/15/2010 09:00	05/19/2010 09:05	
1005133-07 SS61-0-1 [Soil] Sampled 05/18/2010 09:45 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 09:45	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/14/2010 09:45	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 09:45	05/19/2010 09:05	SubList = GC- 8081 DOD
7470A/7471A Mercury	06/10/2010 16:00	20	06/15/2010 09:45	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 09:45	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 09:45	05/19/2010 09:05	SubList = SVsim- PAH

WORK ORDER

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1005133

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005133** **CASE:**	**Status:**	**Prepared**

Analysis	Due	TAT	Expires		Comments
1005133-08 SS61D-0-1 [Soil] Sampled 05/18/2010 09:50 Eastern					
6010B METALS TAL	06/10/2010 16:00	20	11/14/2010 09:50	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/15/2010 09:50	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 09:50	05/19/2010 09:05	SubList = GC- 8081 DOD
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 09:50	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 09:50	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 09:50	05/19/2010 09:05	SubList = SVsim- PAH
1005133-09 SB61-6-7 [Soil] Sampled 05/18/2010 09:55 Eastern					
6010B METALS TAL	06/10/2010 16:00	20	11/14/2010 09:55	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 09:55	05/19/2010 09:05	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 09:55	05/19/2010 09:05	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 09:55	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 09:55	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/15/2010 09:55	05/19/2010 09:05	
1005133-10 SB61D-6-7 [Soil] Sampled 05/18/2010 10:00 Eastern					
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 10:00	05/19/2010 09:05	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 10:00	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 10:00	05/19/2010 09:05	SubList = GC- 8081 DOD
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 10:00	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/15/2010 10:00	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/14/2010 10:00	05/19/2010 09:05	

WORK ORDER

Printed: 6/13/2010 7:37:31AM

1005133

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005133** **CASE:**	**Status:**	**Prepared**

Analysis	Due	TAT	Expires		Comments
1005133-11 SS67-0-1 [Soil] Sampled 05/18/2010 17:00 Eastern					
7470A/7471A Mercury	06/10/2010 16:00	20	06/15/2010 17:00	05/21/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 17:00	05/21/2010 16:00	SubList = SVsim- PAH
6010B METALS TAL	06/10/2010 16:00	20	11/14/2010 17:00	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 17:00	05/21/2010 16:00	SubList = GC- 8081 DOD
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 17:00	05/21/2010 16:00	
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 17:00	05/21/2010 16:00	
1005133-12 SS72-0-1 [Soil] Sampled 05/19/2010 08:35 Eastern					
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 08:35	05/21/2010 16:00	SubList = GC- 8081 DOD
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 08:35	05/21/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 08:35	05/21/2010 16:00	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 08:35	05/21/2010 16:00	
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 08:35	05/21/2010 16:00	
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 08:35	05/21/2010 16:00	
1005133-13 SB72-2-3 [Soil] Sampled 05/19/2010 08:45 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 08:45	05/21/2010 16:00	
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 08:45	05/21/2010 16:00	
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 08:45	05/21/2010 16:00	
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 08:45	05/21/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 08:45	05/21/2010 16:00	SubList = SVsim- PAH
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 08:45	05/21/2010 16:00	SubList = GC- 8081 DOD

WORK ORDER

Printed: 6/13/2010 7:37:31AM

1005133

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005133** **CASE:**	**Status:**	**Reviewed**

Analysis	Due	TAT	Expires		Comments
1005133-14 SS88-0-1 [Soil] Sampled 05/19/2010 09:10 Eastern					
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 09:10	05/21/2010 16:00	SubList = GC- 8081 DOD
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 09:10	05/21/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 09:10	05/21/2010 16:00	SubList = SVsim- PAH
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 09:10	05/21/2010 16:00	
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 09:10	05/21/2010 16:00	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 09:10	05/21/2010 16:00	
1005133-15 SB88-2.5-3.5 [Soil] Sampled 05/19/2010 09:25 Eastern					
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 09:25	05/21/2010 16:00	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 09:25	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 09:25	05/21/2010 16:00	SubList = GC- 8081 DOD
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 09:25	05/21/2010 16:00	
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 09:25	05/21/2010 16:00	
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 09:25	05/21/2010 16:00	
1005133-16 SS76-0-1 [Soil] Sampled 05/19/2010 09:55 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 09:55	05/21/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 09:55	05/21/2010 16:00	SubList = SVsim- PAH
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 09:55	05/21/2010 16:00	SubList = GC- 8081 DOD
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 09:55	05/21/2010 16:00	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 09:55	05/21/2010 16:00	
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 09:55	05/21/2010 16:00	

WORK ORDER

Printed: 6/13/2010 7:37:31AM

1005133

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005133** **CASE:**	**Status:**	**Prepared**

Analysis	Due	TAT	Expires		Comments
1005133-17 SB76-6-7 [Soil] Sampled 05/19/2010 10:45 Eastern					
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 10:45	05/21/2010 16:00	
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 10:45	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 10:45	05/21/2010 16:00	SubList = GC- 8081 DOD
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 10:45	05/21/2010 16:00	
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 10:45	05/21/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 10:45	05/21/2010 16:00	SubList = SVsim- PAH
1005133-18 SS87-0-1 [Soil] Sampled 05/19/2010 11:45 Eastern					
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 11:45	05/21/2010 16:00	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 11:45	05/21/2010 16:00	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 11:45	05/21/2010 16:00	
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 11:45	05/21/2010 16:00	
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 11:45	05/21/2010 16:00	
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 11:45	05/21/2010 16:00	
1005133-19 SB87-3-4 [Soil] Sampled 05/19/2010 11:55 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 11:55	05/21/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 11:55	05/21/2010 16:00	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 11:55	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 11:55	05/21/2010 16:00	SubList = GC- 8081 DOD
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 11:55	05/21/2010 16:00	
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 11:55	05/21/2010 16:00	

WORK ORDER

Printed: 6/13/2010 7:37:31AM

1005133

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005133** **CASE:**	**Status:**	**Prepared**

Analysis	Due	TAT	Expires		Comments
1005133-20 SS68-0-1 [Soil] Sampled 05/20/2010 09:30 Eastern					
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 09:30	05/21/2010 16:00	SubList = SVsim- PAH
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 09:30	05/21/2010 16:00	
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 09:30	05/21/2010 16:00	
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 09:30	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 09:30	05/21/2010 16:00	SubList = GC- 8081 DOD
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 09:30	05/21/2010 16:00	

Analysis groups included in this work order

TRIVALENT CHROMIUM Cr3 7196A

Total Cr by Metals HEXAVALENT CHROMI

INTERNAL DIGESTION COC

0052615

COMPUCHEM

Printed: 5/26/2010 12:34:03PM

Matrix: Soil **Prepared using: METALS - EPA 3050B**

Lab Number	Client ID	Sample Type	
0052615-BLK1	PBS	Blank	
0052615-BS1	LCSS	LCS	
0052615-DUP1	SS73-0-1D	Duplicate	
0052615-MS1	SS73-0-1S	Matrix Spike	
0052615-MSD1	SS73-0-1SD	Matrix Spike Dup	
1005133-01	SS73-0-1	Sample	
1005133-02	SB74-4-5	Sample	
1005133-03	SS75-0-1	Sample	
1005133-04	SB75-3.5-4.5	Sample	
1005133-05	SS63-0-1	Sample	
1005133-06	SB63-5.5-6.5	Sample	
1005133-07	SS61-0-1	Sample	
1005133-08	SS61D-0-1	Sample	
1005133-09	SB61-6-7	Sample	
1005133-10	SB61D-6-7	Sample	
1005133-11	SS67-0-1	Sample	
1005133-12	SS72-0-1	Sample	
1005133-13	SB72-2-3	Sample	
1005133-14	SS88-0-1	Sample	
1005133-15	SB88-2.5-3.5	Sample	
1005133-16	SS76-0-1	Sample	
1005133-17	SB76-6-7	Sample	
1005133-18	SS87-0-1	Sample	
1005133-19	SB87-3-4	Sample	
1005133-20	SS68-0-1	Sample	

D Dickens	5-27-10 1530	ICP Stg 1530	5-27-10
Relinquished By	Date	Received By	Date
ICP Storage	06.11.10 14:42	[signature]	06.11.10 14:42
Relinquished By	Date	Received By	Date
[signature]	06.14.10 11:42	ICP Storage	06.14.10 1124
Relinquished By	Date	Received By	Date
		06-14-10	
Relinquished By	Date	Received By	Date

INTERNAL DIGESTION COC

0052616

COMPUCHEM

Printed: 5/26/2010 12:33:57PM

Matrix: Soil **Prepared using: METALS - EPA 7471A Prep**

Lab Number	Client ID	Sample Type	
0052616-BLK1	PBS	Blank	
0052616-BS1	LCSS	LCS	
0052616-DUP1	SS73-0-1D	Duplicate	
0052616-MS1	SS73-0-1S	Matrix Spike	
0052616-MSD1	SS73-0-1SD	Matrix Spike Dup	
1005133-01	SS73-0-1	Sample	
1005133-02	SB74-4-5	Sample	
1005133-03	SS75-0-1	Sample	
1005133-04	SB75-3.5-4.5	Sample	
1005133-05	SS63-0-1	Sample	
1005133-06	SB63-5.5-6.5	Sample	
1005133-07	SS61-0-1	Sample	
1005133-08	SS61D-0-1	Sample	
1005133-09	SB61-6-7	Sample	
1005133-10	SB61D-6-7	Sample	
1005133-11	SS67-0-1	Sample	
1005133-12	SS72-0-1	Sample	
1005133-13	SB72-2-3	Sample	
1005133-14	SS88-0-1	Sample	
1005133-15	SB88-2.5-3.5	Sample	
1005133-16	SS76-0-1	Sample	
1005133-17	SB76-6-7	Sample	
1005133-18	SS87-0-1	Sample	
1005133-19	SB87-3-4	Sample	
1005133-20	SS68-0-1	Sample	

D. Dickens	5-27-10 1300	Hg Stg.	5-27-10 1300
Relinquished By	Date	Received By	Date
Hg stg	5/28/10 1000		5/28/10 1000
Relinquished By	Date	Received By	Date
	5/28/10 1400	Waste	5/28/10 1400
Relinquished By	Date	Received By	Date
		5/28/10	
Relinquished By	Date	Received By	Date

Metals Internal Chain of Custody Sheet

Batch: 0052615 **Status:** Batched **Analysis**: 6010B METALS TAL

Lab Id	Client_Id	Received	Container	Extraction	Preservative	Matrix	Due Date	Cust Date
1005133-01 D	SS73-0-1	05/14/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	5/17/2010
1005133-02 B	SB74-4-5	05/19/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005133-03 B	SS75-0-1	05/19/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	5/20/2010
1005133-04 B	SB75-3.5-4.5	05/19/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005133-05 B	SS63-0-1	05/19/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005133-06 B	SB63-5.5-6.5	05/19/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005133-07 B	SS61-0-1	05/19/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005133-08 B	SS61D-0-1	05/19/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005133-09 B	SB61-6-7	05/19/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005133-10 B	SB61D-6-7	05/19/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005133-11 B	SS67-0-1	05/19/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005133-12 B	SS72-0-1	05/19/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005133-13 B	SB72-2-3	05/19/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005133-14 B	SS88-0-1	05/19/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005133-15 B	SB88-2.5-3.5	05/19/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005133-16 B	SS76-0-1	05/19/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005133-17 B	SB76-6-7	05/19/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005133-18 B	SS87-0-1	05/19/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005133-19 B	SB87-3-4	05/19/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005133-20 B	SS68-0-1	05/19/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	

Cooler #1	5.27.10 0845	K. Manning	5.27.10 0845
Relinquished By	Date/Time	Received By	Date/Time
K. Manning	5.27.10 0845	D. Dickens	5.27.10 0845
Relinquished By	Date/Time	Received By	Date/Time
D. Dickens	5.27.10 1400	Cooler #1	5.27.10 1400
Relinquished By	Date/Time	Received By	Date/Time
		6-14-10	
Relinquished By	Date/Time	Received By	Date/Time

CompuChem

A Division Of

Liberty Analytical Corp.

7/6/2010

REBEKHA SHAW

CH2M HILL, INC.

5700 CLEVELAND STREET, SUITE 101

VIRGINIA BEACH, VA 23462

Subject:

Report of Data - Project: CTO-094 MCB CAMP LEJEUNE/395307.S. WorkOrder: 1005133

Attn.: REBEKHA SHAW

Enclosed are the results of analytical work performed in accordance with the referenced account number. This report covers sample(s) appearing on the listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097

Sincerely,

Compuchem

a division of Liberty Analytical Corporation

Attachment

TOTAL NUMBER

OF PAGES _____

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

CompuChem, a division of Liberty Analytical

Client: CH2M HILL, INC. **Work:** 1005133

Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM **Sdg:** 1005133

Lab ID	Client ID	Matrix	Date Sampled	Date Received
1005133-01	SS73-0-1	Soil	05/14/2010 08:25	05/14/2010 16:00
1005133-02	SB74-4-5	Soil	05/17/2010 16:00	05/19/2010 09:05
1005133-03	SS75-0-1	Soil	05/17/2010 16:35	05/19/2010 09:05
1005133-04	SB75-3.5-4.5	Soil	05/17/2010 16:45	05/19/2010 09:05
1005133-05	SS63-0-1	Soil	05/18/2010 08:40	05/19/2010 09:05
1005133-06	SB63-5.5-6.5	Soil	05/18/2010 09:00	05/19/2010 09:05
1005133-07	SS61-0-1	Soil	05/18/2010 09:45	05/19/2010 09:05
1005133-08	SS61D-0-1	Soil	05/18/2010 09:50	05/19/2010 09:05
1005133-09	SB61-6-7	Soil	05/18/2010 09:55	05/19/2010 09:05
1005133-10	SB61D-6-7	Soil	05/18/2010 10:00	05/19/2010 09:05
1005133-11	SS67-0-1	Soil	05/18/2010 17:00	05/21/2010 16:00
1005133-12	SS72-0-1	Soil	05/19/2010 08:35	05/21/2010 16:00
1005133-13	SB72-2-3	Soil	05/19/2010 08:45	05/21/2010 16:00
1005133-14	SS88-0-1	Soil	05/19/2010 09:10	05/21/2010 16:00
1005133-15	SB88-2.5-3.5	Soil	05/19/2010 09:25	05/21/2010 16:00
1005133-16	SS76-0-1	Soil	05/19/2010 09:55	05/21/2010 16:00
1005133-17	SB76-6-7	Soil	05/19/2010 10:45	05/21/2010 16:00
1005133-18	SS87-0-1	Soil	05/19/2010 11:45	05/21/2010 16:00
1005133-19	SB87-3-4	Soil	05/19/2010 11:55	05/21/2010 16:00
1005133-20	SS68-0-1	Soil	05/20/2010 09:30	05/21/2010 16:00

CompuChem, a Division of Liberty Analytical Corporation

I. SAMPLE DATA SUMMARY PACKAGE

GC by SW-846

The sample data summary package shall contain data for all samples in one Sample Delivery Group (SDG) of the Case, as follows:

A. SDG Narrative

B. Tabulated target compound results (Form I)

C. Surrogate spike analysis results (Form II)
By matrix (Water or Soil), and
by concentration (Low, or Medium)

D. Spike results MS / MSD / LCS (Form III)

E. Blank data (Form IV)
Tabulated blank results (Form I)

LAB CODE: LIBRTY

METHOD: 8081B

SDG #: 1005133

A. SDG Narrative

CompuChem
a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG # 1005133
PROTOCOL: SW-846

SAMPLE IDENTIFICATIONS: SB61-6-7, SB61D-6-7, SB63-5.5-6.5, SB72-2-3, SB74-4-5, SB75-3.5-4.5, SB76-6-7, SB87-3-4, SB88-2.5-3.5, SS61-0-1, SS61D-0-1, SS63-0-1, SS67-0-1, SS68-0-1, SS72-0-1, SS73-0-1, SS75-0-1, SS76-0-1, SS87-0-1, SS88-0-1

The twenty soil samples listed above were received intact, refrigerated between 1.5 and 4.3°C, with proper documentation, in sealed shipping containers, on May 14th, 19th, and 21st, 2010. The samples were scheduled for the requested analysis of the Pesticide fraction only. SW-846, 3rd Edition, Update 4, Method 8081B was used to prepare and analyze the samples, with the exceptions and/or additions requested by the client. All pertinent Quality Assurance notices are included in the narrative section and all pertinent Laboratory notices for SDG # 1005133 are included in the sample data sections.

Pesticide

Extraction and analysis holding time requirements were met for the samples. The samples in this SDG were further cleaned through GPC cleanup process. Samples SS68-0-1 and SS76-0-1 were analyzed with a failing closing continuing calibration, and re-analyzed confirming the results. Both analyses are reported.

Target analytes confirmed above the reporting limits in samples SS67-0-1, SS68-0-1, SS68-0-1RE, SS73-0-1, SS75-0-1, SS76-0-1, and SS88-0-1. Samples SS67-0-1, SS68-0-1RE, SS76-0-1RE, and SS88-0-1 were analyzed and reported at a dilution, as well as neat or at a lesser dilution, due to target analytes exceeding the calibration range on at least one column. Manual integrations performed on the samples within this SDG are documented on a spreadsheet after the narrative.

All QC criteria were met for all initial and continuing calibration standards associated to this SDG, with exceptions in SEQ-CCV3, INDC3HH, on both columns and SEQ-CCV3, INDC3IH, on the clpest column.

All surrogate recoveries were with the method specified limits, with exceptions in samples PBLKBO, PCFLCS, SB74-4-5, SB75-3.5-4.5, SB63-5.5-6.5, SS61-0-1, SB61-6-7, SB61D-6-7, SS72-0-1, SB72-2-3, SS68-0-1, PBLKCF, SS67-0-1, SB88-2.5-3.5, SB76-6-7, SS87-0-1, SB87-3-4, and SS68-0-1RE. These samples did not meet DoD recovery criteria; however, they meet the laboratory's in house recovery limits.

The method blank associated with the samples met all quality control criteria, with the exception mentioned above.

Duplicate matrix spike samples were performed with sample SS73-0-1, and met recovery and precision criteria, with the exceptions of the recovery of 4,4'-DDE and 4,4'-DDT in the MS and MSD. The Laboratory Control Sample (LCS) prepared and analyzed with the samples met recovery criteria.

An uncertainty of these test results may be estimated from the recovery of the surrogates added to the sample prior to sample preparation or from the recovery of spiked compound(s) in the associated laboratory control sample. Further information is available upon request.

I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on CD has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Teresa Amentt Jennings

Teresa Amentt Jennings
GC/HPLC Data Reviewer
June 17, 2010

GC and GC/MS Column and Trap Specifications Table

SDG #: 1005133

COLUMNS

Columns Utilized	Brand Name	Coating Material	ID (mm)	Film Thickness (um)	Length (m)
	GC Laboratory				
	Restek	RTX-5	0.53	1.0	30
	Restek	RTX-SMS	0.53	1.0	30
✓	Restek	clpest	0.32	0.5	30
✓	Restek	clpest2	0.32	0.42	30
	J&W	DB-210	0.53	1.0	30
	J&W	GS-GASPRO	0.32	N/A	30
	GC Volatiles Laboratory				
	Restek	RTX-Volatiles	0.53	2.0	30
	GC/MS Volatiles Laboratory				
	Restek	RTX-VMS	0.18	1.0	20
	Supelco	SPB-624	0.32	1.8	60
	Supelco	SPB-624	0.53	3.0	75
	Phenomonex	ZB-624	0.32	1.8	60
	GC/MS Semivolatiles Laboratory				
	Restek	RTX-5MS	0.32	0.25	30
	HPLC Laboratory				
	Supelco	Supelcosil LC-PAH	4.6	5.0	15 cm
	Supelco	Discovery RP Amide C16	4.6	5.0	25 cm
	Restek	Pinnacle Cyano	4.6	5.0	25 cm
	Restek	Allure C18	4.6	5.0	25 cm

TRAPS

	GC and GC/MS Volatiles Laboratory	
	Supelco J (BETXTRAP™)	* 7.7 cm Carbopack C
		* 1.2 cm Carbopack B
	Supelco K (Vocarb3000)	* 10 cm of Carbopack B (Graphitized Carbons)
		* 6 cm of Carboxen 1000 (Carbon molecular sieves)
		* 1 cm of Carboxen 1001 (Carbon molecular sieves)

Rev. 28

Manual Integrations									
Manual Integrations									
SDG:	1005133								
Sample(s)	SS73-0-1MSD	SS73-0-1	SS61-0-1	SS61D-0-1	PCFLCS	SB75-3.5-4.5	SB63-5.5-6.5	SS76-0-1	
Compound									
alpha-BHC									
gamma-BHC									
beta-BHC	X								
delta-BHC									
Heptachlor									
Aldrin									
Heptachlor Epoxide		X							
gamma-Chlordane									
alpha-Chlordane									
Endosulfan I									
4,4'-DDE		X							
Dieldrin								X	
Endrin									
4,4'-DDD									
Endosulfan II									
4,4'-DDT									
Endrin Aldehyde									
Endosulfan sulfate									
Methoxychlor			X	X					
Endrin Ketone									
Toxaphene									
Technical Chordane									
Tetrachloro-m-xylene					X	X	X		
Decachlorbiphenyl									

"X" Denotes a manual integration for the compound									
SDG:	1005133								
Sample(s)	SS68-0-1	SS68-0-1RE							
Compound									
alpha-BHC									
gamma-BHC									
beta-BHC									
delta-BHC									
Heptachlor									
Aldrin									
Heptachlor Epoxide									
gamma-Chlordane									
alpha-Chlordane									
Endosulfan I									
4,4'-DDE									
Dieldrin									
Endrin									
4,4'-DDD	X								
Endosulfan II									
4,4'-DDT		X							
Endrin Aldehyde									
Endosulfan sulfate									
Methoxychlor									
Endrin Ketone									
Toxaphene									
Technical Chordane									
Tetrachloro-m-xylene									
Decachlorbiphenyl									

CompuChem

a division of Liberty Analytical Corporation

CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.).

Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC chemists. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC analysis. The manual editing/integration flags are:

M - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak.

H - Denotes that the data reviewer, GC/MS operator, or GC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

MH - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.

L - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

The EPA CLP SOW documents require additional explanations for manual editing/integration. In the accompanying raw data packages, additional codes have been applied to the "M" flag and carry the following meanings;

M1 - The compound was not found by the automatic integration routine.

M2 - The compound was incorrectly integrated by the automatic integration routine.

M3 - The co-eluting compounds were incorrectly integrated by the automatic integration routine.

These codes will appear in the GC/MS and GC raw data.

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DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each compound. The qualifiers used are:

U : This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J : This flag indicates an estimated value. The flag is used as detailed below:

1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1:1 is assumed for the TIC analyte,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide and/or Aroclor or other GC or HPLC identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.

N : This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search and must be used with the J flag. For generic characterization of a TIC such as "chlorinated hydrocarbon" (or for an "unknown," with no matches $\geq$ 85% in the SOM01.2 SOW document), the N flag is not used.

P : In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the Form I and flagged with a P.
For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the lower of the two values is reported and flagged with a P. When the RPD is equal to or less than 40%, our policy is to also report the lower of the two values, although the choice could be a project specific issue. These SW-846 policies are consistent with Method 8000C. If Method 8000B is required, the higher of the two values is reported. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

DATA REPORTING QUALIFIERS (continued)

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis. If one or more compounds have a concentration greater than the upper level of the calibration range, the sample or extract will be diluted and reanalyzed. All such compounds with a concentration greater than the upper level of the calibration range will have the result flagged with an E on Form I for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration of an analyte exceeds the upper calibration range, the DL suffix is appended to the sample number on the Form I for the more diluted sample, and **all** reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.

NOTE 1: The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.

NOTE 2: Separate Forms I are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses are not combined on a single Form I.

A: This flag indicates that a TIC is a suspected aldol-condensation product.

S: In the SOM01.2 SOW document, this flag is used to indicate an estimated value for Aroclor target compounds where a valid 5-point initial calibration was not performed prior to the analytes detection in a sample. If an "S" flag is used for a specific Aroclor, then a reanalysis of the sample is required after a valid 5-point calibration is performed for the detected Aroclor.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y, and Z.

B. Form I

Organic Analysis Data Sheet (OADS)
- All samples in alphanumeric order
- Matrix Spike/Matrix Spike Duplicate
- Laboratory Control Sample(s)

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBOLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 0051919-BS1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/20/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/01/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	3.8	
319-85-7	beta-BHC	4.1	
319-84-6	alpha-BHC	4.5	
319-86-8	delta-BHC	4.8	
58-89-9	gamma-BHC (Lindane)	4.2	
72-54-8	4,4'-DDD	12	
72-55-9	4,4'-DDE	11	
50-29-3	4,4'-DDT	15	
60-57-1	Dieldrin	12	B
959-98-8	Endosulfan I	4.3	
33213-65-9	Endosulfan II	11	
1031-07-8	Endosulfan sulfate	10	
72-20-8	Endrin	11	
7421-93-4	Endrin Aldehyde	6.7	
76-44-8	Heptachlor	4.9	
1024-57-3	Heptachlor Epoxide	5.0	
72-43-5	Methoxychlor	12	J
8001-35-2	Toxaphene	83	U
53494-70-5	Endrin Ketone	12	
5103-74-2	gamma-Chlordane	4.5	
5103-71-9	alpha-Chlordane	5.0	

FORM I PEST

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBOLCSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 0051919-BSD1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/20/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/02/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	3.6	
319-85-7	beta-BHC	4.1	
319-84-6	alpha-BHC	4.4	
319-86-8	delta-BHC	4.6	
58-89-9	gamma-BHC (Lindane)	3.9	
72-54-8	4,4'-DDD	11	
72-55-9	4,4'-DDE	11	
50-29-3	4,4'-DDT	10	
60-57-1	Dieldrin	11	
959-98-8	Endosulfan I	4.1	
33213-65-9	Endosulfan II	11	
1031-07-8	Endosulfan sulfate	10	
72-20-8	Endrin	11	
7421-93-4	Endrin Aldehyde	6.0	
76-44-8	Heptachlor	4.7	
1024-57-3	Heptachlor Epoxide	4.6	
72-43-5	Methoxychlor	12	J
8001-35-2	Toxaphene	83	U
53494-70-5	Endrin Ketone	11	
5103-74-2	gamma-Chlordane	4.3	B
5103-71-9	alpha-Chlordane	4.8	

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PCFLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 0052408-BS1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/03/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	3.4	
319-85-7	beta-BHC	3.5	
319-84-6	alpha-BHC	3.8	
319-86-8	delta-BHC	4.0	
58-89-9	gamma-BHC (Lindane)	3.5	
72-54-8	4,4'-DDD	11	
72-55-9	4,4'-DDE	9.8	
50-29-3	4,4'-DDT	9.4	
60-57-1	Dieldrin	10	
959-98-8	Endosulfan I	3.8	
33213-65-9	Endosulfan II	10	
1031-07-8	Endosulfan sulfate	9.5	
72-20-8	Endrin	9.6	
7421-93-4	Endrin Aldehyde	6.2	
76-44-8	Heptachlor	4.3	
1024-57-3	Heptachlor Epoxide	4.1	
72-43-5	Methoxychlor	11	J
8001-35-2	Toxaphene	83	U
53494-70-5	Endrin Ketone	11	
5103-74-2	gamma-Chlordane	3.9	
5103-71-9	alpha-Chlordane	4.5	

FORM I PEST

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PCFLCSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 0052408-BSD1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/03/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	3.7	
319-85-7	beta-BHC	3.8	
319-84-6	alpha-BHC	4.2	
319-86-8	delta-BHC	4.2	
58-89-9	gamma-BHC (Lindane)	3.8	
72-54-8	4,4'-DDD	11	
72-55-9	4,4'-DDE	10	
50-29-3	4,4'-DDT	9.4	
60-57-1	Dieldrin	11	
959-98-8	Endosulfan I	3.9	
33213-65-9	Endosulfan II	10	
1031-07-8	Endosulfan sulfate	9.7	
72-20-8	Endrin	10	
7421-93-4	Endrin Aldehyde	6.6	
76-44-8	Heptachlor	4.7	
1024-57-3	Heptachlor Epoxide	4.4	
72-43-5	Methoxychlor	11	J
8001-35-2	Toxaphene	83	U
53494-70-5	Endrin Ketone	11	
5103-74-2	gamma-Chlordane	4.1	
5103-71-9	alpha-Chlordane	4.6	

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB61-6-7

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/03/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	2.0	U
319-84-6	alpha-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
72-54-8	4,4'-DDD	3.8	U
72-55-9	4,4'-DDE	3.8	U
50-29-3	4,4'-DDT	3.8	U
60-57-1	Dieldrin	3.8	U
959-98-8	Endosulfan I	2.0	U
33213-65-9	Endosulfan II	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
72-20-8	Endrin	3.8	U
7421-93-4	Endrin Aldehyde	3.8	U
76-44-8	Heptachlor	2.0	U
1024-57-3	Heptachlor Epoxide	2.0	U
72-43-5	Methoxychlor	20	U
8001-35-2	Toxaphene	97	U
53494-70-5	Endrin Ketone	3.8	U
5103-74-2	gamma-Chlordane	2.0	U
5103-71-9	alpha-Chlordane	2.0	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB61D-6-7

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/03/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	2.0	U
319-84-6	alpha-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
72-54-8	4,4'-DDD	3.8	U
72-55-9	4,4'-DDE	3.8	U
50-29-3	4,4'-DDT	3.8	U
60-57-1	Dieldrin	3.8	U
959-98-8	Endosulfan I	2.0	U
33213-65-9	Endosulfan II	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
72-20-8	Endrin	3.8	U
7421-93-4	Endrin Aldehyde	3.8	U
76-44-8	Heptachlor	2.0	U
1024-57-3	Heptachlor Epoxide	2.0	U
72-43-5	Methoxychlor	20	U
8001-35-2	Toxaphene	97	U
53494-70-5	Endrin Ketone	3.8	U
5103-74-2	gamma-Chlordane	2.0	U
5103-71-9	alpha-Chlordane	2.0	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB63-5.5-6.5

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 17 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/03/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	2.0	U
319-84-6	alpha-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
72-54-8	4,4'-DDD	4.0	U
72-55-9	4,4'-DDE	4.0	U
50-29-3	4,4'-DDT	0.93	J
60-57-1	Dieldrin	4.0	U
959-98-8	Endosulfan I	2.0	U
33213-65-9	Endosulfan II	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
72-20-8	Endrin	4.0	U
7421-93-4	Endrin Aldehyde	4.0	U
76-44-8	Heptachlor	2.0	U
1024-57-3	Heptachlor Epoxide	2.0	U
72-43-5	Methoxychlor	20	U
8001-35-2	Toxaphene	100	U
53494-70-5	Endrin Ketone	4.0	U
5103-74-2	gamma-Chlordane	2.0	U
5103-71-9	alpha-Chlordane	2.0	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB72-2-3

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-13

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 13 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/03/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	2.0	U
319-84-6	alpha-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
72-54-8	4,4'-DDD	3.8	U
72-55-9	4,4'-DDE	3.8	U
50-29-3	4,4'-DDT	3.8	U
60-57-1	Dieldrin	3.8	U
959-98-8	Endosulfan I	2.0	U
33213-65-9	Endosulfan II	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
72-20-8	Endrin	3.8	U
7421-93-4	Endrin Aldehyde	3.8	U
76-44-8	Heptachlor	2.0	U
1024-57-3	Heptachlor Epoxide	2.0	U
72-43-5	Methoxychlor	20	U
8001-35-2	Toxaphene	95	U
53494-70-5	Endrin Ketone	3.8	U
5103-74-2	gamma-Chlordane	2.0	U
5103-71-9	alpha-Chlordane	2.0	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB74-4-5

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 8 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/03/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.8	U
319-85-7	beta-BHC	1.8	U
319-84-6	alpha-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
72-54-8	4,4'-DDD	3.6	U
72-55-9	4,4'-DDE	3.6	U
50-29-3	4,4'-DDT	3.6	U
60-57-1	Dieldrin	0.86	J
959-98-8	Endosulfan I	1.8	U
33213-65-9	Endosulfan II	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
72-20-8	Endrin	3.6	U
7421-93-4	Endrin Aldehyde	3.6	U
76-44-8	Heptachlor	1.8	U
1024-57-3	Heptachlor Epoxide	1.8	U
72-43-5	Methoxychlor	18	U
8001-35-2	Toxaphene	90	U
53494-70-5	Endrin Ketone	3.6	U
5103-74-2	gamma-Chlordane	0.23	J
5103-71-9	alpha-Chlordane	1.8	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB75-3.5-4.5

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/03/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	2.0	U
319-84-6	alpha-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
72-54-8	4,4'-DDD	3.9	U
72-55-9	4,4'-DDE	3.9	U
50-29-3	4,4'-DDT	3.9	U
60-57-1	Dieldrin	3.9	U
959-98-8	Endosulfan I	2.0	U
33213-65-9	Endosulfan II	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
72-20-8	Endrin	3.9	U
7421-93-4	Endrin Aldehyde	3.9	U
76-44-8	Heptachlor	2.0	U
1024-57-3	Heptachlor Epoxide	0.27	JP
72-43-5	Methoxychlor	20	U
8001-35-2	Toxaphene	98	U
53494-70-5	Endrin Ketone	3.9	U
5103-74-2	gamma-Chlordane	2.0	U
5103-71-9	alpha-Chlordane	0.29	JP

FORM I PEST

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB76-6-7

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-17

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 17 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	2.0	U
319-84-6	alpha-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
72-54-8	4,4'-DDD	4.0	U
72-55-9	4,4'-DDE	4.0	U
50-29-3	4,4'-DDT	4.0	U
60-57-1	Dieldrin	4.0	U
959-98-8	Endosulfan I	2.0	U
33213-65-9	Endosulfan II	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
72-20-8	Endrin	4.0	U
7421-93-4	Endrin Aldehyde	4.0	U
76-44-8	Heptachlor	2.0	U
1024-57-3	Heptachlor Epoxide	2.0	U
72-43-5	Methoxychlor	20	U
8001-35-2	Toxaphene	100	U
53494-70-5	Endrin Ketone	4.0	U
5103-74-2	gamma-Chlordane	2.0	U
5103-71-9	alpha-Chlordane	2.0	U

FORM I PEST

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB87-3-4

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-19

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 26 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.3	U
319-85-7	beta-BHC	2.3	U
319-84-6	alpha-BHC	0.27	JP
319-86-8	delta-BHC	2.3	U
58-89-9	gamma-BHC (Lindane)	2.3	U
72-54-8	4,4'-DDD	4.5	U
72-55-9	4,4'-DDE	4.5	U
50-29-3	4,4'-DDT	4.5	U
60-57-1	Dieldrin	4.5	U
959-98-8	Endosulfan I	2.3	U
33213-65-9	Endosulfan II	4.5	U
1031-07-8	Endosulfan sulfate	4.5	U
72-20-8	Endrin	4.5	U
7421-93-4	Endrin Aldehyde	0.52	JP
76-44-8	Heptachlor	0.23	JP
1024-57-3	Heptachlor Epoxide	2.3	U
72-43-5	Methoxychlor	23	U
8001-35-2	Toxaphene	110	U
53494-70-5	Endrin Ketone	4.5	U
5103-74-2	gamma-Chlordane	0.26	JP
5103-71-9	alpha-Chlordane	0.28	J

FORM I PEST

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB88-2.5-3.5

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-15

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 27 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.3	U
319-85-7	beta-BHC	2.3	U
319-84-6	alpha-BHC	2.3	U
319-86-8	delta-BHC	2.3	U
58-89-9	gamma-BHC (Lindane)	2.3	U
72-54-8	4,4'-DDD	4.5	U
72-55-9	4,4'-DDE	0.98	J
50-29-3	4,4'-DDT	4.5	U
60-57-1	Dieldrin	4.5	U
959-98-8	Endosulfan I	2.3	U
33213-65-9	Endosulfan II	4.5	U
1031-07-8	Endosulfan sulfate	4.5	U
72-20-8	Endrin	4.5	U
7421-93-4	Endrin Aldehyde	4.5	U
76-44-8	Heptachlor	2.3	U
1024-57-3	Heptachlor Epoxide	2.3	U
72-43-5	Methoxychlor	23	U
8001-35-2	Toxaphene	110	U
53494-70-5	Endrin Ketone	4.5	U
5103-74-2	gamma-Chlordane	2.3	U
5103-71-9	alpha-Chlordane	2.3	U

FORM I PEST

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS61-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 8 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/03/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.8	U
319-85-7	beta-BHC	1.8	U
319-84-6	alpha-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
72-54-8	4,4'-DDD	3.6	U
72-55-9	4,4'-DDE	3.6	U
50-29-3	4,4'-DDT	3.6	U
60-57-1	Dieldrin	3.6	U
959-98-8	Endosulfan I	1.8	U
33213-65-9	Endosulfan II	3.6	U
1031-07-8	Endosulfan sulfate	0.38	JP
72-20-8	Endrin	0.40	JP
7421-93-4	Endrin Aldehyde	3.6	U
76-44-8	Heptachlor	0.23	JP
1024-57-3	Heptachlor Epoxide	1.8	U
72-43-5	Methoxychlor	12	J
8001-35-2	Toxaphene	90	U
53494-70-5	Endrin Ketone	0.52	JP
5103-74-2	gamma-Chlordane	1.8	U
5103-71-9	alpha-Chlordane	1.8	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS61D-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 7 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/03/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.8	U
319-85-7	beta-BHC	1.8	U
319-84-6	alpha-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
72-54-8	4,4'-DDD	0.63	J
72-55-9	4,4'-DDE	3.5	U
50-29-3	4,4'-DDT	3.5	U
60-57-1	Dieldrin	3.5	U
959-98-8	Endosulfan I	1.8	U
33213-65-9	Endosulfan II	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
72-20-8	Endrin	3.5	U
7421-93-4	Endrin Aldehyde	3.5	U
76-44-8	Heptachlor	0.20	JP
1024-57-3	Heptachlor Epoxide	1.8	U
72-43-5	Methoxychlor	6.5	JP
8001-35-2	Toxaphene	89	U
53494-70-5	Endrin Ketone	3.5	U
5103-74-2	gamma-Chlordane	0.19	JP
5103-71-9	alpha-Chlordane	1.8	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS63-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 6 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/03/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	0.40	J
319-85-7	beta-BHC	1.8	U
319-84-6	alpha-BHC	1.8	U
319-86-8	delta-BHC	0.46	JP
58-89-9	gamma-BHC (Lindane)	1.8	U
72-54-8	4,4'-DDD	3.5	U
72-55-9	4,4'-DDE	0.60	J
50-29-3	4,4'-DDT	3.5	U
60-57-1	Dieldrin	3.5	U
959-98-8	Endosulfan I	1.5	J
33213-65-9	Endosulfan II	3.5	U
1031-07-8	Endosulfan sulfate	2.3	J
72-20-8	Endrin	3.5	U
7421-93-4	Endrin Aldehyde	1.3	JP
76-44-8	Heptachlor	0.36	JP
1024-57-3	Heptachlor Epoxide	1.8	U
72-43-5	Methoxychlor	18	U
8001-35-2	Toxaphene	88	U
53494-70-5	Endrin Ketone	3.5	U
5103-74-2	gamma-Chlordane	0.40	JP
5103-71-9	alpha-Chlordane	0.41	JP

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS67-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 55 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.2	J
319-85-7	beta-BHC	1.2	JP
319-84-6	alpha-BHC	0.56	JP
319-86-8	delta-BHC	0.40	JP
58-89-9	gamma-BHC (Lindane)	3.8	U
72-54-8	4,4'-DDD	200	E
72-55-9	4,4'-DDE	300	EP
50-29-3	4,4'-DDT	47	
60-57-1	Dieldrin	7.3	U
959-98-8	Endosulfan I	3.4	JP
33213-65-9	Endosulfan II	6.2	JP
1031-07-8	Endosulfan sulfate	1.6	JP
72-20-8	Endrin	7.3	U
7421-93-4	Endrin Aldehyde	4.7	J
76-44-8	Heptachlor	0.86	JP
1024-57-3	Heptachlor Epoxide	2.1	JP
72-43-5	Methoxychlor	38	U
8001-35-2	Toxaphene	180	U
53494-70-5	Endrin Ketone	43	P
5103-74-2	gamma-Chlordane	1.5	JP
5103-71-9	alpha-Chlordane	3.8	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS67-0-1DL

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-11RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 55 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	38	U
319-85-7	beta-BHC	38	U
319-84-6	alpha-BHC	38	U
319-86-8	delta-BHC	38	U
58-89-9	gamma-BHC (Lindane)	38	U
72-54-8	4,4'-DDD	170	D
72-55-9	4,4'-DDE	410	D
50-29-3	4,4'-DDT	44	DJ
60-57-1	Dieldrin	73	U
959-98-8	Endosulfan I	4.4	DJP
33213-65-9	Endosulfan II	73	U
1031-07-8	Endosulfan sulfate	73	U
72-20-8	Endrin	73	U
7421-93-4	Endrin Aldehyde	73	U
76-44-8	Heptachlor	38	U
1024-57-3	Heptachlor Epoxide	38	U
72-43-5	Methoxychlor	380	U
8001-35-2	Toxaphene	1800	U
53494-70-5	Endrin Ketone	73	U
5103-74-2	gamma-Chlordane	38	U
5103-71-9	alpha-Chlordane	38	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS68-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-20

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	0.34	JP
319-85-7	beta-BHC	2.0	P
319-84-6	alpha-BHC	2.0	U
319-86-8	delta-BHC	0.69	JP
58-89-9	gamma-BHC (Lindane)	0.36	JP
72-54-8	4,4'-DDD	0.90	JP
72-55-9	4,4'-DDE	3.9	U
50-29-3	4,4'-DDT	3.9	U
60-57-1	Dieldrin	0.64	JP
959-98-8	Endosulfan I	3.1	P
33213-65-9	Endosulfan II	3.9	U
1031-07-8	Endosulfan sulfate	6.9	
72-20-8	Endrin	3.9	U
7421-93-4	Endrin Aldehyde	3.2	JP
76-44-8	Heptachlor	1.6	J
1024-57-3	Heptachlor Epoxide	2.0	U
72-43-5	Methoxychlor	15	J
8001-35-2	Toxaphene	98	U
53494-70-5	Endrin Ketone	22	P
5103-74-2	gamma-Chlordane	1.8	JP
5103-71-9	alpha-Chlordane	1.2	JP

FORM I PEST

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS68-0-1RE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-20RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	0.47	JP
319-84-6	alpha-BHC	2.0	U
319-86-8	delta-BHC	0.35	J
58-89-9	gamma-BHC (Lindane)	2.0	U
72-54-8	4,4'-DDD	2.5	JP
72-55-9	4,4'-DDE	3.9	U
50-29-3	4,4'-DDT	0.73	JP
60-57-1	Dieldrin	0.57	J
959-98-8	Endosulfan I	0.94	JP
33213-65-9	Endosulfan II	3.9	U
1031-07-8	Endosulfan sulfate	8.4	
72-20-8	Endrin	1.1	JP
7421-93-4	Endrin Aldehyde	1.6	JP
76-44-8	Heptachlor	0.37	JP
1024-57-3	Heptachlor Epoxide	2.0	U
72-43-5	Methoxychlor	20	U
8001-35-2	Toxaphene	98	U
53494-70-5	Endrin Ketone	6.5	P
5103-74-2	gamma-Chlordane	0.45	JP
5103-71-9	alpha-Chlordane	0.23	JP

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS68-0-1REDL

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-20RE2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	10	U
319-85-7	beta-BHC	10	U
319-84-6	alpha-BHC	10	U
319-86-8	delta-BHC	10	U
58-89-9	gamma-BHC (Lindane)	10	U
72-54-8	4,4'-DDD	19	U
72-55-9	4,4'-DDE	19	U
50-29-3	4,4'-DDT	19	U
60-57-1	Dieldrin	19	U
959-98-8	Endosulfan I	2.0	DJP
33213-65-9	Endosulfan II	19	U
1031-07-8	Endosulfan sulfate	9.9	DJ
72-20-8	Endrin	19	U
7421-93-4	Endrin Aldehyde	19	U
76-44-8	Heptachlor	10	U
1024-57-3	Heptachlor Epoxide	10	U
72-43-5	Methoxychlor	100	U
8001-35-2	Toxaphene	490	U
53494-70-5	Endrin Ketone	9.4	DJP
5103-74-2	gamma-Chlordane	10	U
5103-71-9	alpha-Chlordane	10	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS72-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-12

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 4 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/03/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.8	U
319-85-7	beta-BHC	1.8	U
319-84-6	alpha-BHC	0.18	JP
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
72-54-8	4,4'-DDD	3.4	U
72-55-9	4,4'-DDE	3.4	U
50-29-3	4,4'-DDT	3.4	U
60-57-1	Dieldrin	3.4	U
959-98-8	Endosulfan I	1.8	U
33213-65-9	Endosulfan II	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
72-20-8	Endrin	3.4	U
7421-93-4	Endrin Aldehyde	3.4	U
76-44-8	Heptachlor	1.8	U
1024-57-3	Heptachlor Epoxide	1.8	U
72-43-5	Methoxychlor	18	U
8001-35-2	Toxaphene	86	U
53494-70-5	Endrin Ketone	3.4	U
5103-74-2	gamma-Chlordane	1.8	U
5103-71-9	alpha-Chlordane	1.8	U

FORM I PEST

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS73-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 4 decanted: (Y/N) N Date Received: 05/14/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/20/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/02/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	0.20	JP
319-85-7	beta-BHC	1.8	U
319-84-6	alpha-BHC	0.20	JP
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
72-54-8	4,4'-DDD	7.5	
72-55-9	4,4'-DDE	14	
50-29-3	4,4'-DDT	18	
60-57-1	Dieldrin	0.88	J
959-98-8	Endosulfan I	1.8	U
33213-65-9	Endosulfan II	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
72-20-8	Endrin	3.4	U
7421-93-4	Endrin Aldehyde	3.4	U
76-44-8	Heptachlor	0.21	JP
1024-57-3	Heptachlor Epoxide	0.20	JP
72-43-5	Methoxychlor	18	U
8001-35-2	Toxaphene	86	U
53494-70-5	Endrin Ketone	0.83	JP
5103-74-2	gamma-Chlordane	0.24	JP
5103-71-9	alpha-Chlordane	0.91	JP

FORM I PEST

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS73-0-1MS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 0051919-MS2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 4 decanted: (Y/N) N Date Received: 05/14/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/20/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/02/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	5.3	
319-85-7	beta-BHC	5.0	
319-84-6	alpha-BHC	5.7	
319-86-8	delta-BHC	5.5	
58-89-9	gamma-BHC (Lindane)	5.1	
72-54-8	4,4'-DDD	14	
72-55-9	4,4'-DDE	14	
50-29-3	4,4'-DDT	13	
60-57-1	Dieldrin	14	
959-98-8	Endosulfan I	5.4	
33213-65-9	Endosulfan II	12	
1031-07-8	Endosulfan sulfate	11	
72-20-8	Endrin	13	
7421-93-4	Endrin Aldehyde	8.8	
76-44-8	Heptachlor	5.4	
1024-57-3	Heptachlor Epoxide	5.0	
72-43-5	Methoxychlor	14	J
8001-35-2	Toxaphene	86	U
53494-70-5	Endrin Ketone	15	
5103-74-2	gamma-Chlordane	5.3	
5103-71-9	alpha-Chlordane	6.0	

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS73-0-1MSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 0051919-MSD2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 4 decanted: (Y/N) N Date Received: 05/14/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/20/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/02/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	5.3	
319-85-7	beta-BHC	6.4	
319-84-6	alpha-BHC	5.4	
319-86-8	delta-BHC	5.3	
58-89-9	gamma-BHC (Lindane)	5.4	
72-54-8	4,4'-DDD	13	
72-55-9	4,4'-DDE	15	
50-29-3	4,4'-DDT	12	
60-57-1	Dieldrin	13	
959-98-8	Endosulfan I	5.1	
33213-65-9	Endosulfan II	11	
1031-07-8	Endosulfan sulfate	10	
72-20-8	Endrin	12	
7421-93-4	Endrin Aldehyde	7.5	
76-44-8	Heptachlor	5.0	
1024-57-3	Heptachlor Epoxide	4.9	
72-43-5	Methoxychlor	14	J
8001-35-2	Toxaphene	86	U
53494-70-5	Endrin Ketone	14	
5103-74-2	gamma-Chlordane	4.7	
5103-71-9	alpha-Chlordane	5.6	

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS75-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/03/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	2.0	U
319-84-6	alpha-BHC	2.0	U
319-86-8	delta-BHC	0.40	JP
58-89-9	gamma-BHC (Lindane)	2.0	U
72-54-8	4,4'-DDD	3.9	U
72-55-9	4,4'-DDE	1.0	JP
50-29-3	4,4'-DDT	1.9	JP
60-57-1	Dieldrin	3.9	U
959-98-8	Endosulfan I	2.0	U
33213-65-9	Endosulfan II	17	
1031-07-8	Endosulfan sulfate	2.4	JP
72-20-8	Endrin	1.9	J
7421-93-4	Endrin Aldehyde	3.9	U
76-44-8	Heptachlor	2.0	U
1024-57-3	Heptachlor Epoxide	0.30	JP
72-43-5	Methoxychlor	20	U
8001-35-2	Toxaphene	98	U
53494-70-5	Endrin Ketone	3.9	U
5103-74-2	gamma-Chlordane	2.0	U
5103-71-9	alpha-Chlordane	2.0	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS76-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-16

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 2 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	0.28	JP
319-85-7	beta-BHC	1.7	U
319-84-6	alpha-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
72-54-8	4,4'-DDD	3.4	U
72-55-9	4,4'-DDE	0.67	JP
50-29-3	4,4'-DDT	1.3	JP
60-57-1	Dieldrin	0.68	JP
959-98-8	Endosulfan I	1.7	U
33213-65-9	Endosulfan II	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
72-20-8	Endrin	1.3	JP
7421-93-4	Endrin Aldehyde	3.4	U
76-44-8	Heptachlor	0.42	J
1024-57-3	Heptachlor Epoxide	1.7	U
72-43-5	Methoxychlor	17	U
8001-35-2	Toxaphene	85	U
53494-70-5	Endrin Ketone	3.4	U
5103-74-2	gamma-Chlordane	5.5	P
5103-71-9	alpha-Chlordane	1.7	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS76-0-1RE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-16RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 2 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	0.23	JP
319-85-7	beta-BHC	1.7	U
319-84-6	alpha-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
72-54-8	4,4'-DDD	3.4	U
72-55-9	4,4'-DDE	0.89	J
50-29-3	4,4'-DDT	1.5	JP
60-57-1	Dieldrin	1.8	JP
959-98-8	Endosulfan I	1.7	U
33213-65-9	Endosulfan II	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
72-20-8	Endrin	1.3	JP
7421-93-4	Endrin Aldehyde	3.4	U
76-44-8	Heptachlor	1.7	U
1024-57-3	Heptachlor Epoxide	0.34	JP
72-43-5	Methoxychlor	17	U
8001-35-2	Toxaphene	85	U
53494-70-5	Endrin Ketone	3.4	U
5103-74-2	gamma-Chlordane	1.7	U
5103-71-9	alpha-Chlordane	1.7	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS76-0-1REDL

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-16RE2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 2 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	8.7	U
319-85-7	beta-BHC	8.7	U
319-84-6	alpha-BHC	8.7	U
319-86-8	delta-BHC	8.7	U
58-89-9	gamma-BHC (Lindane)	8.7	U
72-54-8	4,4'-DDD	17	U
72-55-9	4,4'-DDE	17	U
50-29-3	4,4'-DDT	2.6	DJ
60-57-1	Dieldrin	17	U
959-98-8	Endosulfan I	8.7	U
33213-65-9	Endosulfan II	17	U
1031-07-8	Endosulfan sulfate	17	U
72-20-8	Endrin	17	U
7421-93-4	Endrin Aldehyde	17	U
76-44-8	Heptachlor	8.7	U
1024-57-3	Heptachlor Epoxide	8.7	U
72-43-5	Methoxychlor	87	U
8001-35-2	Toxaphene	420	U
53494-70-5	Endrin Ketone	17	U
5103-74-2	gamma-Chlordane	8.7	U
5103-71-9	alpha-Chlordane	8.7	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS87-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-18

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 20 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.1	U
319-85-7	beta-BHC	2.1	U
319-84-6	alpha-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
72-54-8	4,4'-DDD	4.1	U
72-55-9	4,4'-DDE	4.1	U
50-29-3	4,4'-DDT	4.1	U
60-57-1	Dieldrin	4.1	U
959-98-8	Endosulfan I	2.1	U
33213-65-9	Endosulfan II	4.1	U
1031-07-8	Endosulfan sulfate	1.2	JP
72-20-8	Endrin	4.1	U
7421-93-4	Endrin Aldehyde	4.1	U
76-44-8	Heptachlor	2.1	U
1024-57-3	Heptachlor Epoxide	2.1	U
72-43-5	Methoxychlor	21	U
8001-35-2	Toxaphene	100	U
53494-70-5	Endrin Ketone	4.1	U
5103-74-2	gamma-Chlordane	0.29	JP
5103-71-9	alpha-Chlordane	2.1	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS88-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-14

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 9 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.9	U
319-85-7	beta-BHC	1.9	U
319-84-6	alpha-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
72-54-8	4,4'-DDD	3.1	J
72-55-9	4,4'-DDE	31	E
50-29-3	4,4'-DDT	2.1	J
60-57-1	Dieldrin	3.6	U
959-98-8	Endosulfan I	1.9	U
33213-65-9	Endosulfan II	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
72-20-8	Endrin	3.6	U
7421-93-4	Endrin Aldehyde	3.6	U
76-44-8	Heptachlor	1.9	U
1024-57-3	Heptachlor Epoxide	1.9	U
72-43-5	Methoxychlor	19	U
8001-35-2	Toxaphene	91	U
53494-70-5	Endrin Ketone	3.6	U
5103-74-2	gamma-Chlordane	1.9	U
5103-71-9	alpha-Chlordane	1.9	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS88-0-1DL

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-14RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 9 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	19	U
319-85-7	beta-BHC	19	U
319-84-6	alpha-BHC	19	U
319-86-8	delta-BHC	19	U
58-89-9	gamma-BHC (Lindane)	19	U
72-54-8	4,4'-DDD	36	U
72-55-9	4,4'-DDE	31	DJP
50-29-3	4,4'-DDT	36	U
60-57-1	Dieldrin	36	U
959-98-8	Endosulfan I	19	U
33213-65-9	Endosulfan II	36	U
1031-07-8	Endosulfan sulfate	36	U
72-20-8	Endrin	36	U
7421-93-4	Endrin Aldehyde	36	U
76-44-8	Heptachlor	19	U
1024-57-3	Heptachlor Epoxide	19	U
72-43-5	Methoxychlor	190	U
8001-35-2	Toxaphene	910	U
53494-70-5	Endrin Ketone	36	U
5103-74-2	gamma-Chlordane	19	U
5103-71-9	alpha-Chlordane	19	U

FORM I PEST

C. Form II

Surrogate spike analysis

- By level (low, medium) -

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column(1): CLPEST ID: 0.32 (mm) GC Column(2): CLPEST2 ID: 0.32 (mm)

	EPA SAMPLE NO.	S1 1 %REC	#	S1 2 %REC	#	TCX 1 %REC	#	TCX 2 %REC	#	OTHER (1)	OTHER (2)	TOT OUT
01	PBLKBO	76		75		57	*	53	*			2
02	PBOLCS	80		79		88		81				0
03	PBOLCSD	78		76		88		80				0
04	SS73-0-1MS	100		96		100		91				0
05	SS73-0-1MSD	90		86		99		87				0
06	SS73-0-1	110		92		120		101				0
07	PCFLCS	78		76		82		69	*			1
08	PCFLCSD	79		78		91		78				0
09	SB74-4-5	81		80		83		69	*			1
10	SS75-0-1	75		72		77		73				0
11	SB75-3.5-4.5	81		80		87		68	*			1
12	SS63-0-1	80		82		81		78				0
13	SB63-5.5-6.5	83		81		93		69	*			1
14	SS61-0-1	79		78		78		69	*			1
15	SS61D-0-1	81		80		81		74				0
16	SB61-6-7	86		84		85		69	*			1
17	SB61D-6-7	78		76		72		59	*			1
18	SS72-0-1	87		86		80		70	*			1
19	SB72-2-3	69		68		63	*	56	*			2
20	SS76-0-1	82		76		85		73				0
21	SS68-0-1	110		72		80		69	*			1
22	PBLKCF	62		61		36	*	34	*			2
23	SS67-0-1	120		52	*	46	*	66	*			3
24	SS67-0-1DL	72		73		49	D	62	D			0
25	SB88-2.5-3.5	72		71		71		62	*			1
26	SB76-6-7	78		77		64	*	64	*			2
27	SS88-0-1	88		85		98		86				0
28	SS88-0-1DL	100		108		79		90				0
29	SS87-0-1	71		68		69	*	62	*			2
30	SB87-3-4	67		68		73		62	*			1

ADVISORY QC LIMITS

S1 = Decachlorobiphenyl (55-130)
S2 (TCX) = Tetrachloro-m-Xylene (70-125)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column(1): CLPEST ID: 0.32 (mm) GC Column(2): CLPEST2 ID: 0.32 (mm)

	EPA SAMPLE NO.	S1 1 %REC	#	S1 2 %REC	#	TCX 1 %REC	#	TCX 2 %REC	#	OTHER (1)	OTHER (2)	TOT OUT
01	SS76-0-1RE	78		77		79		73				0
02	SS76-0-1REDL	92		98		79		84				0
03	SS68-0-1RE	94		67		68	*	70*				2
04	SS68-0-1REDL	89		79		74		77				0
05												
06												
07												
08												
09												
10												
11												
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27												
28												
29												
30												

ADVISORY
QC LIMITS

S1 = Decachlorobiphenyl (55-130)
S2 (TCX) = Tetrachloro-m-Xylene (70-125)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

D. Form III

Matrix Spike/Matrix Spike Duplicate results
- By level (low, medium) -
Laboratory Control Sample(s)

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix Spike - EPA Sample No.: SS73-0-1

COMPOUND	SPIKE ADDED (ug/Kg	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Aldrin	5.2	0.20	5.3	98	45-140
beta-BHC	5.2	0.0	5.0	96	60-125
alpha-BHC	5.2	0.20	5.7	106	60-125
delta-BHC	5.2	0.0	5.5	106	55-130
gamma-BHC (Lindane)	5.2	0.0	5.1	98	60-125
4,4'-DDD	13	7.5	14	50	30-135
4,4'-DDE	13	14	14	0*	70-125
4,4'-DDT	13	18	13	-38*	45-140
Dieldrin	13	0.88	14	101	65-125
Endosulfan I	5.2	0.0	5.4	104	15-135
Endosulfan II	13	0.0	12	92	35-140
Endosulfan sulfate	13	0.0	11	85	60-135
Endrin	13	0.0	13	100	60-135
Endrin Aldehyde	13	0.0	8.8	68	35-145
Heptachlor	5.2	0.21	5.4	100	50-140
Heptachlor Epoxide	5.2	0.20	5.0	92	65-130
Methoxychlor	13	0.0	14	108	55-145
Endrin Ketone	13	0.83	15	109	65-135
gamma-Chlordane	5.2	0.24	5.3	97	65-125
alpha-Chlordane	5.2	0.91	6.0	98	65-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix Spike - EPA Sample No.: SS73-0-1

COMPOUND	SPIKE ADDED (ug/Kg	MSD CONCENTRATION (ug/Kg	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aldrin	5.2	5.3	98	0	40	45-140
beta-BHC	5.2	6.4	123	24	40	60-125
alpha-BHC	5.2	5.4	100	5	40	60-125
delta-BHC	5.2	5.3	102	4	40	55-130
gamma-BHC (Lindane)	5.2	5.4	104	6	40	60-125
4,4'-DDD	13	13	42	7	40	30-135
4,4'-DDE	13	15	8*	7	40	70-125
4,4'-DDT	13	12	-46*	8	40	45-140
Dieldrin	13	13	93	7	40	65-125
Endosulfan I	5.2	5.1	98	6	40	15-135
Endosulfan II	13	11	85	9	40	35-140
Endosulfan sulfate	13	10	77	10	40	60-135
Endrin	13	12	92	8	40	60-135
Endrin Aldehyde	13	7.5	58	16	40	35-145
Heptachlor	5.2	5.0	92	8	40	50-140
Heptachlor Epoxide	5.2	4.9	90	2	40	65-130
Methoxychlor	13	14	108	0	40	55-145
Endrin Ketone	13	14	101	7	40	65-135
gamma-Chlordane	5.2	4.7	86	12	40	65-125
alpha-Chlordane	5.2	5.6	90	7	40	65-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits
Spike Recovery: 4 out of 40 outside limits

COMMENTS: _____

3F

SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

LCS ID: PBOLCS Matrix Spike - EPA Sample No.: PBOLCS

COMPOUND	SPIKE ADDED (ug/Kg	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Aldrin	5.0		3.8	76	45-140
beta-BHC	5.0		4.1	82	60-125
alpha-BHC	5.0		4.5	90	60-125
delta-BHC	5.0		4.8	96	55-130
gamma-BHC (Lindane)	5.0		4.2	84	60-125
4,4'-DDD	13		12	92	30-135
4,4'-DDE	13		11	85	70-125
4,4'-DDT	13		15	115	45-140
Dieldrin	13		12	92	65-125
Endosulfan I	5.0		4.3	86	15-135
Endosulfan II	13		11	85	35-140
Endosulfan sulfate	13		10	77	60-135
Endrin	13		11	85	60-135
Endrin Aldehyde	13		6.7	52	35-145
Heptachlor	5.0		4.9	98	50-140
Heptachlor Epoxide	5.0		5.0	100	65-130
Methoxychlor	13		12	92	55-145
Endrin Ketone	13		12	92	65-135
gamma-Chlordane	5.0		4.5	90	65-125
alpha-Chlordane	5.0		5.0	100	65-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

3F
SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

LCS ID: PBOLCS Matrix Spike - EPA Sample No.: PBOLCS

COMPOUND	SPIKE ADDED (ug/Kg	LCSD CONCENTRATION (ug/Kg	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aldrin	5.0	3.6	72	5	40	45-140
beta-BHC	5.0	4.1	82	0	40	60-125
alpha-BHC	5.0	4.4	88	2	40	60-125
delta-BHC	5.0	4.6	92	4	40	55-130
gamma-BHC (Lindane)	5.0	3.9	78	7	40	60-125
4,4'-DDD	13	11	85	9	40	30-135
4,4'-DDE	13	11	85	0	40	70-125
4,4'-DDT	13	10	77	40	40	45-140
Dieldrin	13	11	85	9	40	65-125
Endosulfan I	5.0	4.1	82	5	40	15-135
Endosulfan II	13	11	85	0	40	35-140
Endosulfan sulfate	13	10	77	0	40	60-135
Endrin	13	11	85	0	40	60-135
Endrin Aldehyde	13	6.0	46	11	40	35-145
Heptachlor	5.0	4.7	94	4	40	50-140
Heptachlor Epoxide	5.0	4.6	92	8	40	65-130
Methoxychlor	13	12	92	0	40	55-145
Endrin Ketone	13	11	85	9	40	65-135
gamma-Chlordane	5.0	4.3	86	4	40	65-125
alpha-Chlordane	5.0	4.8	96	4	40	65-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits
Spike Recovery: 0 out of 40 outside limits

COMMENTS: _____

3F

SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

LCS ID: PCFLCS Matrix Spike - EPA Sample No.: PCFLCS

COMPOUND	SPIKE ADDED (ug/Kg	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Aldrin	5.0		3.4	68	45-140
beta-BHC	5.0		3.5	70	60-125
alpha-BHC	5.0		3.8	76	60-125
delta-BHC	5.0		4.0	80	55-130
gamma-BHC (Lindane)	5.0		3.5	70	60-125
4,4'-DDD	13		11	85	30-135
4,4'-DDE	13		9.8	75	70-125
4,4'-DDT	13		9.4	72	45-140
Dieldrin	13		10	77	65-125
Endosulfan I	5.0		3.8	76	15-135
Endosulfan II	13		10	77	35-140
Endosulfan sulfate	13		9.5	73	60-135
Endrin	13		9.6	74	60-135
Endrin Aldehyde	13		6.2	48	35-145
Heptachlor	5.0		4.3	86	50-140
Heptachlor Epoxide	5.0		4.1	82	65-130
Methoxychlor	13		11	85	55-145
Endrin Ketone	13		11	85	65-135
gamma-Chlordane	5.0		3.9	78	65-125
alpha-Chlordane	5.0		4.5	90	65-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

3F

SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

LCS ID: PCFLCS Matrix Spike - EPA Sample No.: PCFLCS

COMPOUND	SPIKE ADDED (ug/Kg	LCSD CONCENTRATION (ug/Kg	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aldrin	5.0	3.7	74	8	40	45-140
beta-BHC	5.0	3.8	76	8	40	60-125
alpha-BHC	5.0	4.2	84	10	40	60-125
delta-BHC	5.0	4.2	84	5	40	55-130
gamma-BHC (Lindane)	5.0	3.8	76	8	40	60-125
4,4'-DDD	13	11	85	0	40	30-135
4,4'-DDE	13	10	77	2	40	70-125
4,4'-DDT	13	9.4	72	0	40	45-140
Dieldrin	13	11	85	10	40	65-125
Endosulfan I	5.0	3.9	78	2	40	15-135
Endosulfan II	13	10	77	0	40	35-140
Endosulfan sulfate	13	9.7	75	2	40	60-135
Endrin	13	10	77	4	40	60-135
Endrin Aldehyde	13	6.6	51	6	40	35-145
Heptachlor	5.0	4.7	94	9	40	50-140
Heptachlor Epoxide	5.0	4.4	88	7	40	65-130
Methoxychlor	13	11	85	0	40	55-145
Endrin Ketone	13	11	85	0	40	65-135
gamma-Chlordane	5.0	4.1	82	5	40	65-125
alpha-Chlordane	5.0	4.6	92	2	40	65-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits
Spike Recovery: 0 out of 40 outside limits

COMMENTS: _____

E. Form IV

Method Blank Results
Form IV, Form I

Method blank summary, OADS,
- In chronological order of analysis

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLKBO

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 0051919-BLK1 Lab File ID: 016F0051919-BLK1

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SONC

Sulfur Cleanup (Y/N) N Date Extracted: 05/20/10

Date Analyzed (1): 06/01/10 Date Analyzed (2): 06/01/10

Time Analyzed (1): 2305 Time Analyzed (2): 2305

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column (1): CLPEST ID: 0.32(mm) GC Column (2): CLPEST2 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PBOLCS	0051919-BS1	06/01/10	06/01/10
02	PBOLCSD	0051919-BSD1	06/02/10	06/02/10
03	SS73-0-1MS	0051919-MS2	06/02/10	06/02/10
04	SS73-0-1MSD	0051919-MSD2	06/02/10	06/02/10
05	SS73-0-1	1005133-01	06/02/10	06/02/10
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
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24				
25				
26				

COMMENTS: _____

1D

EPA SAMPLE NO.

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

PBLKBO

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 0051919-BLK1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/20/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/01/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.7	U
319-85-7	beta-BHC	1.7	U
319-84-6	alpha-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
72-54-8	4,4'-DDD	3.3	U
72-55-9	4,4'-DDE	3.3	U
50-29-3	4,4'-DDT	3.3	U
60-57-1	Dieldrin	3.3	U
959-98-8	Endosulfan I	1.7	U
33213-65-9	Endosulfan II	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
72-20-8	Endrin	3.3	U
7421-93-4	Endrin Aldehyde	3.3	U
76-44-8	Heptachlor	1.7	U
1024-57-3	Heptachlor Epoxide	1.7	U
72-43-5	Methoxychlor	17	U
8001-35-2	Toxaphene	83	U
53494-70-5	Endrin Ketone	3.3	U
5103-74-2	gamma-Chlordane	1.7	U
5103-71-9	alpha-Chlordane	1.7	U

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLKCF

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 0052408-BLK1 Lab File ID: 016I0052408-BLK1

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SONC

Sulfur Cleanup (Y/N) N Date Extracted: 05/24/10

Date Analyzed (1): 06/10/10 Date Analyzed (2): 06/10/10

Time Analyzed (1): 2348 Time Analyzed (2): 2348

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column (1): CLPEST ID: 0.32(mm) GC Column (2): CLPEST2 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PCFLCS	0052408-BS1	06/03/10	06/03/10
02	PCFLCSD	0052408-BSD1	06/03/10	06/03/10
03	SB74-4-5	1005133-02	06/03/10	06/03/10
04	SS75-0-1	1005133-03	06/03/10	06/03/10
05	SB75-3.5-4.5	1005133-04	06/03/10	06/03/10
06	SS63-0-1	1005133-05	06/03/10	06/03/10
07	SB63-5.5-6.5	1005133-06	06/03/10	06/03/10
08	SS61-0-1	1005133-07	06/03/10	06/03/10
09	SS61D-0-1	1005133-08	06/03/10	06/03/10
10	SB61-6-7	1005133-09	06/03/10	06/03/10
11	SB61D-6-7	1005133-10	06/03/10	06/03/10
12	SS72-0-1	1005133-12	06/03/10	06/03/10
13	SB72-2-3	1005133-13	06/03/10	06/03/10
14	SS76-0-1	1005133-16	06/09/10	06/09/10
15	SS68-0-1	1005133-20	06/09/10	06/09/10
16	SS67-0-1	1005133-11	06/11/10	06/11/10
17	SS67-0-1DL	1005133-11RE1	06/11/10	06/11/10
18	SB88-2.5-3.5	1005133-15	06/11/10	06/11/10
19	SB76-6-7	1005133-17	06/11/10	06/11/10
20	SS88-0-1	1005133-14	06/11/10	06/11/10
21	SS88-0-1DL	1005133-14RE1	06/11/10	06/11/10
22	SS87-0-1	1005133-18	06/11/10	06/11/10
23	SB87-3-4	1005133-19	06/11/10	06/11/10
24	SS76-0-1RE	1005133-16RE1	06/11/10	06/11/10
25	SS76-0-1REDL	1005133-16RE2	06/11/10	06/11/10
26	SS68-0-1RE	1005133-20RE1	06/11/10	06/11/10

COMMENTS: _____

FORM IV PEST

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLKCF

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 0052408-BLK1 Lab File ID: 016I0052408-BLK1

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SONC

Sulfur Cleanup (Y/N) N Date Extracted: 05/24/10

Date Analyzed (1): 06/10/10 Date Analyzed (2): 06/10/10

Time Analyzed (1): 2348 Time Analyzed (2): 2348

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column (1): CLPEST ID: 0.32(mm) GC Column (2): CLPEST2 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	SS68-0-1REDL	1005133-20RE2	06/11/10	06/11/10
02				
03				
04				
05				
06				
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COMMENTS: _____

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKCF

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 0052408-BLK1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/10/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.7	U
319-85-7	beta-BHC	1.7	U
319-84-6	alpha-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
72-54-8	4,4'-DDD	3.3	U
72-55-9	4,4'-DDE	3.3	U
50-29-3	4,4'-DDT	3.3	U
60-57-1	Dieldrin	3.3	U
959-98-8	Endosulfan I	1.7	U
33213-65-9	Endosulfan II	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
72-20-8	Endrin	3.3	U
7421-93-4	Endrin Aldehyde	3.3	U
76-44-8	Heptachlor	1.7	U
1024-57-3	Heptachlor Epoxide	1.7	U
72-43-5	Methoxychlor	17	U
8001-35-2	Toxaphene	83	U
53494-70-5	Endrin Ketone	3.3	U
5103-74-2	gamma-Chlordane	1.7	U
5103-71-9	alpha-Chlordane	1.7	U

CompuChem, a Division of Liberty Analytical Corporation

I. SAMPLE DATA PACKAGE

GC by SW-846

The sample data package shall include data for all analyses of all samples in one Sample Delivery Group (SDG), including field samples, dilutions, reanalysis, blanks, matrix spikes, matrix spike duplicates, and laboratory control samples. The sample data package consists of the following:

A. SDG Narrative

B. Chain-of-Custody Documentation

C. SDG Data

LAB CODE: LIBRTY

METHOD: 8081B

SDG #: 1005133

A. SDG Narrative

CompuChem

a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG # 1005133
PROTOCOL: SW-846

SAMPLE IDENTIFICATIONS: SB61-6-7, SB61D-6-7, SB63-5.5-6.5, SB72-2-3, SB74-4-5, SB75-3.5-4.5, SB76-6-7, SB87-3-4, SB88-2.5-3.5, SS61-0-1, SS61D-0-1, SS63-0-1, SS67-0-1, SS68-0-1, SS72-0-1, SS73-0-1, SS75-0-1, SS76-0-1, SS87-0-1, SS88-0-1

The twenty soil samples listed above were received intact, refrigerated between 1.5 and 4.3°C, with proper documentation, in sealed shipping containers, on May 14th, 19th, and 21st, 2010. The samples were scheduled for the requested analysis of the Pesticide fraction only. SW-846, 3rd Edition, Update 4, Method 8081B was used to prepare and analyze the samples, with the exceptions and/or additions requested by the client. All pertinent Quality Assurance notices are included in the narrative section and all pertinent Laboratory notices for SDG # 1005133 are included in the sample data sections.

Pesticide

Extraction and analysis holding time requirements were met for the samples. The samples in this SDG were further cleaned through GPC cleanup process. Samples SS68-0-1 and SS76-0-1 were analyzed with a failing closing continuing calibration, and re-analyzed confirming the results. Both analyses are reported.

Target analytes confirmed above the reporting limits in samples SS67-0-1, SS68-0-1, SS68-0-1RE, SS73-0-1, SS75-0-1, SS76-0-1, and SS88-0-1. Samples SS67-0-1, SS68-0-1RE, SS76-0-1RE, and SS88-0-1 were analyzed and reported at a dilution, as well as neat or at a lesser dilution, due to target analytes exceeding the calibration range on at least one column. Manual integrations performed on the samples within this SDG are documented on a spreadsheet after the narrative.

All QC criteria were met for all initial and continuing calibration standards associated to this SDG, with exceptions in SEQ-CCV3, INDC3HH, on both columns and SEQ-CCV3, INDC3IH, on the clpest column.

All surrogate recoveries were with the method specified limits, with exceptions in samples PBLKBO, PCFLCS, SB74-4-5, SB75-3.5-4.5, SB63-5.5-6.5, SS61-0-1, SB61-6-7, SB61D-6-7, SS72-0-1, SB72-2-3, SS68-0-1, PBLKCF, SS67-0-1, SB88-2.5-3.5, SB76-6-7, SS87-0-1, SB87-3-4, and SS68-0-1RE. These samples did not meet DoD recovery criteria; however, they meet the laboratory's in house recovery limits.

The method blank associated with the samples met all quality control criteria, with the exception mentioned above.

Duplicate matrix spike samples were performed with sample SS73-0-1, and met recovery and precision criteria, with the exceptions of the recovery of 4,4'-DDE and 4,4'-DDT in the MS and MSD. The Laboratory Control Sample (LCS) prepared and analyzed with the samples met recovery criteria.

An uncertainty of these test results may be estimated from the recovery of the surrogates added to the sample prior to sample preparation or from the recovery of spiked compound(s) in the associated laboratory control sample. Further information is available upon request.

I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on CD has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Teresa Amentt Jennings

Teresa Amentt Jennings
GC/HPLC Data Reviewer
June 17, 2010

Manual Integrations									
Manual Integrations									
SDG:	1005133								
Sample(s)	SS73-0-1MSD	SS73-0-1	SS61-0-1	SS61D-0-1	PCFLCS	SB75-3.5-4.5	SB63-5.5-6.5	SS76-0-1	
Compound									
alpha-BHC									
gamma-BHC									
beta-BHC	X								
delta-BHC									
Heptachlor									
Aldrin									
Heptachlor Epoxide		X							
gamma-Chlordane									
alpha-Chlordane									
Endosulfan I									
4,4'-DDE		X							
Dieldrin									
Endrin								X	
4,4'-DDD									
Endosulfan II									
4,4'-DDT									
Endrin Aldehyde									
Endosulfan sulfate									
Methoxychlor			X	X					
Endrin Ketone									
Toxaphene									
Technical Chordane									
Tetrachloro-m-xylene					X	X	X		
Decachlorbiphenyl									

"X" Denotes a manual integration for the compound									
SDG:	1005133								
Sample(s)	SS68-0-1	SS68-0-1RE							
Compound									
alpha-BHC									
gamma-BHC									
beta-BHC									
delta-BHC									
Heptachlor									
Aldrin									
Heptachlor Epoxide									
gamma-Chlordane									
alpha-Chlordane									
Endosulfan I									
4,4'-DDE									
Dieldrin									
Endrin									
4,4'-DDD	X								
Endosulfan II									
4,4'-DDT		X							
Endrin Aldehyde									
Endosulfan sulfate									
Methoxychlor									
Endrin Ketone									
Toxaphene									
Technical Chordane									
Tetrachloro-m-xylene									
Decachlorbiphenyl									

GC and GC/MS Column and Trap Specifications Table

SDG #: 1005133

COLUMNS

Columns Utilized	Brand Name	Coating Material	ID (mm)	Film Thickness (um)	Length (m)
	GC Laboratory				
	Restek	RTX-5	0.53	1.0	30
	Restek	RTX-SMS	0.53	1.0	30
✓	Restek	clpest	0.32	0.5	30
✓	Restek	clpest2	0.32	0.42	30
	J&W	DB-210	0.53	1.0	30
	J&W	GS-GASPRO	0.32	N/A	30
	GC Volatiles Laboratory				
	Restek	RTX-Volatiles	0.53	2.0	30
	GC/MS Volatiles Laboratory				
	Restek	RTX-VMS	0.18	1.0	20
	Supelco	SPB-624	0.32	1.8	60
	Supelco	SPB-624	0.53	3.0	75
	Phenomonex	ZB-624	0.32	1.8	60
	GC/MS Semivolatiles Laboratory				
	Restek	RTX-5MS	0.32	0.25	30
	HPLC Laboratory				
	Supelco	Supelcosil LC-PAH	4.6	5.0	15 cm
	Supelco	Discovery RP Amide C16	4.6	5.0	25 cm
	Restek	Pinnacle Cyano	4.6	5.0	25 cm
	Restek	Allure C18	4.6	5.0	25 cm

TRAPS

	GC and GC/MS Volatiles Laboratory	
	Supelco J (BETXTRAP™)	* 7.7 cm Carbopack C
		* 1.2 cm Carbopack B
	Supelco K (Vocarb3000)	* 10 cm of Carbopack B (Graphitized Carbons)
		* 6 cm of Carboxen 1000 (Carbon molecular sieves)
		* 1 cm of Carboxen 1001 (Carbon molecular sieves)

Rev. 28

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CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.).

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Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC chemists. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC analysis. The manual editing/integration flags are:

M - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak.

H - Denotes that the data reviewer, GC/MS operator, or GC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

MH - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.

L - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

The EPA CLP SOW documents require additional explanations for manual editing/integration. In the accompanying raw data packages, additional codes have been applied to the "M" flag and carry the following meanings;

M1 - The compound was not found by the automatic integration routine.

M2 - The compound was incorrectly integrated by the automatic integration routine.

M3 - The co-eluting compounds were incorrectly integrated by the automatic integration routine.

These codes will appear in the GC/MS and GC raw data.

Revision 7 (12/6/2005)

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DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each compound. The qualifiers used are:

U : This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J : This flag indicates an estimated value. The flag is used as detailed below:

1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1:1 is assumed for the TIC analyte,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide and/or Aroclor or other GC or HPLC identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.

N : This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search and must be used with the J flag. For generic characterization of a TIC such as "chlorinated hydrocarbon" (or for an "unknown," with no matches ≥ 85% in the SOM01.2 SOW document), the N flag is not used.

P : In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the Form I and flagged with a P.
For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the lower of the two values is reported and flagged with a P. When the RPD is equal to or less than 40%, our policy is to also report the lower of the two values, although the choice could be a project specific issue. These SW-846 policies are consistent with Method 8000C. If Method 8000B is required, the higher of the two values is reported. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

DATA REPORTING QUALIFIERS (continued)

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis. If one or more compounds have a concentration greater than the upper level of the calibration range, the sample or extract will be diluted and reanalyzed. All such compounds with a concentration greater than the upper level of the calibration range will have the result flagged with an E on Form I for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration of an analyte exceeds the upper calibration range, the DL suffix is appended to the sample number on the Form I for the more diluted sample, and **all** reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.

NOTE 1: The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.

NOTE 2: Separate Forms I are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses are not combined on a single Form I.

A: This flag indicates that a TIC is a suspected aldol-condensation product.

S: In the SOM01.2 SOW document, this flag is used to indicate an estimated value for Aroclor target compounds where a valid 5-point initial calibration was not performed prior to the analytes detection in a sample. If an "S" flag is used for a specific Aroclor, then a reanalysis of the sample is required after a valid 5-point calibration is performed for the detected Aroclor.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y, and Z.

B. Chains-of-Custody

The laboratory shall include a copy of the Chain-of-Custody (CoC) documentation for all of the samples in the SDG. The CoC documents shall be arranged in increasing Client Sample ID number order, considering both letters and numbers.

24777

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CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page ____ of ____

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: VA Beach State: VA Zip: 23462
Project Contact: Rebekha Shaw
Phone #: 757-671-6279
Sampler's Name: KRogers / RDM

Project Information

Project Name: GTO-94
Sampling Location: MCB Camp Lejeune
Turnaround time
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Required Analysis (Circle or Fill In)

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

Comp Chem Lab Use	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other	Total Metals (6010B) 262	Total Chromium (6010B)	SIM PAH's (8270C) 8	TCL Pest (8081A)	Grain Size (ASTM D422) 86	CHROMIUM VI (7196A)		Grain size	Sample Temp Cat No
1005132-01	BBG-SS73-0-1-10B	5-14-10	0825	SO	3							X		X	X	X	X		1005209-14	
	BBG-SS73-0-1-10B-MS	5-14-10	0825	SO	3							X		X	X	X	X		—	
	BBG-SS73-0-1-10B-SD	5-14-10	0825	SO	3							X		X	X	X	X		—	
1005132-13	BBG-SS84-0-1-10B	5-14-10	0855	SO	3							X		X	X	X	X		1005209-15	
	-14 BBG-SB84-6-7-10B	5-14-10	0905	SO	3							X		X	X	X	X		-16	
1005134-01	BBG-SS02-0-1-10B	5-14-10	0930	SO	3								X	X	X	X	X		-17	
	-02 BBG-SB02D-0-1-10B	5-14-10	0935	SO	3								X	X	X	(*X)	X		—	
	-03 BBG-SB02-5-6-10B	5-14-10	0940	SO	3								X	X	X	X	X		1005209-18	
	-04 BBG-SB02D-5-6-10B	5-14-10	0945	SO	3								X	X	X	(*X)	X		—	

Lab Use Only

Sample Unpacked By: Jennifer Bowen
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments:
*did not recd Grainsize for BBG-SS02D-0-1-10B or BBG-SB02D-5-6-10B not needed on "dups" (FD) 5/14/10 or MS/MSD

Sample Custody

Relinquished by: [signature]
Date/Time: 5.14.10 1600
Received by: Diane Bond
Date/Time: 5-14-10 1600

Relinquished by:
Date/Time:
Received by:
Date/Time:

Subcontact? (Y) or N If yes, where? Grain size to CT LABS
Custody Seal(s) intact? (Y) or N
On Ice? (Y) or N
Cooler Temp: 1.7 °C

Samples stored 60 days after date report mailed at no extra charge.

SD 5/14/10 Client delivered

White & Yellow copy to lab • Pink copy for customer

24782

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CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page 1 of 1

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: Va Beach State: VA Zip: 23462
Project Contact: Rebekka Shaw
Phone #: 757-671-6279
Sampler's Name: K ROGERS/RDW

Project Information

Project Name: CTO-94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: Per Contract
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Requested Analysis (Including Method Number)

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

CompuChem Lab # (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Tot metals 6010B (Share 262)	Tot Chromium 6010B	chrom. VI 7196A	SIM PAH 8270C (1-802)	TCL PEST 8081A (1-802)	GRAIN SIZE ASTM D422		Grain size	
1005133-02	BBG-SB74-4-5-10B	5.17	1600	SO	3							X		X	X	X	X		1005211-01	
-03	BBG-SS75-0-1-10B	5.17	1635	SO	3							X		X	X	X	X			-02
-04	BBG-SB75-3.5-4.5-10B	5.17	1645	SO	3							X		X	X	X	X			-03
-05	BBG-SS63-0-1-10B	5.18	0840	SO	3							X		X	X	X	X			-04
-06	BBG-SB63-5.5-6.5-10B	5.18	0900	SO	3							X		X	X	X	X			-05
-07	BBG-SS61-0-1-10B	5.18	0945	SO	3							X		X	X	X	X		✓	-06
-08	BBG-SS61D-0-1-10B	5.18	0950	SO	2							X		X	X	X				-07 (8270) 5/21/10
-09	BBG-SB61-6-7-10B	5.18	0955	SO	3							X		X	X	X	X		1005211-07	
✓ -10	BBG-SB61D-6-7-10B	5.18	1000	SO	2							X		X	X	X				

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

Sample Custody

Relinquished by: [signature] Date/Time: 5.18.10 1920 Received by: K. Manning Date/Time: 5-19-10 0905
Relinquished by: Date/Time: Received by: Date/Time:
Subcontact? (Y) or N If yes, where? Grain size to CT LABS Custody Seal(s) intact? (Y) or N On Ice? (Y) or N Cooler Temp: 1.5 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

SN0010

24785

CHAIN OF CUSTODY

CompuChem
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501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page ____ of ____

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information	Requested Analysis (Include method and bottle #)	Matrices
Company Name: CH2M HILL	Project Name: CTO 94		GW - Ground water WW - Waste water SW - Surface water SO - Soil/Sediment TB - Trip Blank RI - Rinsate WP - Wipe O - Other
Address: 5700 Cleveland St, 101	Sampling Location: MCB CAMP LEJEUNE		
City: Va BEACH State: VA Zip: 23462	Turnaround time: PER CONTRACT		
Project Contact: Rebekha Shaw	Batch QC or Project Specific? If Specific, which Sample ID?		
Phone #: 757-671-6279	Are aqueous samples field filtered for metals? Y or (N)		
Sampler's Name: K. Rogers	Are high concentrations expected? Y or (N)? If yes, which ID(s)?		

Container Code (Lab Use Only)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B (Share)	Tot Cr 6010B 1-262	Cr VI 7196A	SIM PAH 8270C (Share)	TCL PEST 8081A 1-802	Grain Size ASTM D422 (1-802)	Gran Size	Sample ID
1005132-15	BBG-SB81-0-1-10B	5.18	1600	SO	3							X		X	X	X	X	1005212-01	
-16	BBG-SB81-5-6-10B	5.18	1620	SO	3							X		X	X	X	X	-02	
1005133-11	BBG-SB67-0-1-10B	5.18	1700	SO	3							X		X	X	X	X	-03	
1005134-14	BBG-SB50-1-2-10B	5.18	1750	SO	3								X	X	X	X	X	-04	
1005132-17	BBG-SS71-0-1-10B	5.19	0735	SO	3							X		X	X	X	X	-05	
-18	BBG-SS71D-0-1-10B	5.19	0740	SO	3							X		X	X	X			
-19	BBG-SB71-4-5-10B	5.19	0755	SO	3							X		X	X	X	X	1005212-06	
-20	BBG-SB71D-4-5-10B	5.19	0800	SO	2							X		X	X	X			
1005133-12	BBG-SS72-0-1-10B	5.19	0835	SO	3							X		X	X	X	X	1005212-07	
-13	BBG-SB72-2-3-10B	5.19	0845	SO	3							X		X	X	X	X	-08	

Lab Use Only

Sample Unpacked By: K Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (N/A)
625 & Phenol samples checked for chlorine? Y or (N/A)
608 samples checked for pH between 5.0-9.0? Y or (N/A)

Comments

Sample Custody

Relinquished by:	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5.21.10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? (Y) or N If yes, where? Gran size to CTLABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 4.3 °C

Samples stored 60 days after date report mailed at no extra charge.

Client Delivery - KM 5.21.10

White & Yellow copy to lab • Pink copy for customer

SN0015

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CHAIN OF CUSTODY

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501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page ____ of ____

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M Hill
Address: 5700 Cleveland St, 101
City: VA BEACH State: VA Zip: 23462
Project Contact: Rebekka Shaw
Phone #: 757-671-6279
Sampler's Name: K. Rogers

Project Information

Project Name: CTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER Contract
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Requested Analyses (Please Print Clearly)

Matrix: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

Liquid Chem Prod Lab ID#	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B (Share 1-200z.)	Tot Cr 6010B	Cr VI 7196A	PAH 8270C (Share 1-80z.) KM 5.21.10	TCL Pest 8081A	Grain Size ASTM D422 (1-80z.)		Grain Size	
1005133-14	BBG-SS88-0-1-10B	5.19	0910	SO	3							X		X	X	X	X		1005210-09	
-15	BBG-SB88-2.5-3.5-10B	5.19	0925	SO	3							X		X	X	X	X			-10
-16	BBG-SS76-0-1-10B	5.19	0955	SO	3							X		X	X	X	X			-11
-17	BBG-SB76-6-7-10B	5.19	1045	SO	3							X		X	X	X	X			-12
-18	BBG-SS87-0-1-10B	5.19	1145	SO	3							X		X	X	X	X			-13
-19	BBG-SB87-3-4-10B	5.19	1155	SO	3							X		X	X	X	X			-14
1005134-15	BBG-SS12-0-1-10B	5.19	1245	SO	3								X	X	X	X	X			-15
-16	BBG-SB12-2-3-10B	5.19	1255	SO	3								X	X	X	X	X			-16
1005157-02	BBG-SS51-0-1-10B	5.19	1630	SO	3							X		X	X	X	X			-17
-03	BBG-SS51D-0-1-10B	5.19	1635	SO	2							X		X	X	X				

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or N (A)
625 & Phenol samples checked for chlorine? Y or N (A)
608 samples checked for pH between 5.0-9.0? Y or N (A)

Comments

Sample Custody

Relinquished by:	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5.21.10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontract? (Y) or N If yes, where? Grain size to CT LABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 3.9 °C

Samples stored 60 days after date report mailed at no extra charge.

KM 5.21.10 - Client Delivery

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CHAIN OF CUSTODY

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Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page ____ of ____

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: Va Beach State: VA Zip: 23462
Project Contact: REBEKAH SHAW
Phone #: 757-671-6279
Sampler's Name: K. ROGERS

Project Information

Project Name: CTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Matrices
GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

CompuChem No. (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B (Share 1-2oz.)	tot Cr 6010B	Cr VI 7196A	SIM PAH 8270C (share 1-8oz.)	PCB Pest 8081A (1-8oz.)	Grain Size ASTM D422 (1-8oz.)		Grain size	Lab Comments
1005157-04	BBG-SS90-0-1-10B	5.19	1455	SO	3							X		X	X	X	X		1005212-18	
-05	BBG-SB90-2-3-10B	5.19	1500	SO	3							X		X	X	X	X		-19	
1005134-17	BBG-SS44-0-1-10B	5.20	0810	SO	3								X	X	X	X	X		-20	
1005134-18	BBG-SB44-5-6-10B	5.20	0825	SO	3								X	X	X	X	X		1005213-01	
	BBG-SB44-5-6-10B-MS	5.20	0825	SO	3								X	X	X	X				
	BBG-SB44-5-6-10B-SD	5.20	0825	SO	3								X	X	X	X				
1005133-20	BBG-SS68-0-1-10B	5.20	0935 0930	SO	3							X		X	X	X	X		1005213-02	
1005134-19	BBG-SS43-0-1-10B	5.20	1035	SO	3								X	X	X	X	X		-03	
-20	BBG-SB43-3-4-10B	5.20	1045	SO	3								X	X	X	X	X		-04	

Laboratory Comments

Sample Unpacked By: K. Manning
Sample Order Entry By: [illegible]
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Sample Custody

Relinquished by: [signature]	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5.21.10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? (Y) or N If yes, where? Grain size to CT LABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 3.1 °C

Samples stored 60 days after date report mailed at no extra charge.

Client Delivery - KM 5/21/10

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SN0015

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Sample ID Cross Reference

LAB WO	Project	Sample #	Field ID	Sample Date	Receive Date	DueDate	Chain of Custody ID
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-01	SS73-0-1	05/14/2010	05/14/2010	06/03/2010	BBG-SS73-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-01	SS73-0-1	05/14/2010	05/14/2010	06/10/2010	BBG-SS73-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-02	SB74-4-5	05/17/2010	05/19/2010	06/03/2010	BBG-SB74-4-5-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-02	SB74-4-5	05/17/2010	05/19/2010	06/10/2010	BBG-SB74-4-5-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-03	SS75-0-1	05/17/2010	05/19/2010	06/03/2010	BBG-SS75-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-03	SS75-0-1	05/17/2010	05/19/2010	06/10/2010	BBG-SS75-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-04	SB75-3.5-4.5	05/17/2010	05/19/2010	06/03/2010	BBG-SB75-3.5-4.5-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-04	SB75-3.5-4.5	05/17/2010	05/19/2010	06/10/2010	BBG-SB75-3.5-4.5-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-05	SS63-0-1	05/18/2010	05/19/2010	06/03/2010	BBG-SS63-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-05	SS63-0-1	05/18/2010	05/19/2010	06/10/2010	BBG-SS63-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-06	SB63-5.5-6.5	05/18/2010	05/19/2010	06/03/2010	BBG-SB63-5.5-6.5-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-06	SB63-5.5-6.5	05/18/2010	05/19/2010	06/10/2010	BBG-SB63-5.5-6.5-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-07	SS61-0-1	05/18/2010	05/19/2010	06/03/2010	BBG-SS61-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-07	SS61-0-1	05/18/2010	05/19/2010	06/10/2010	BBG-SS61-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-08	SS61D-0-1	05/18/2010	05/19/2010	06/03/2010	BBG-SS61D-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-08	SS61D-0-1	05/18/2010	05/19/2010	06/10/2010	BBG-SS61D-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-09	SB61-6-7	05/18/2010	05/19/2010	06/03/2010	BBG-SB61-6-7-10B

LAB WO	Project	Sample #	Field ID	Sample Date	Receive Date	DueDate	Chain of Custody ID
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-09	SB61-6-7	05/18/2010	05/19/2010	06/10/2010	BBG-SB61-6-7-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-10	SB61D-6-7	05/18/2010	05/19/2010	06/03/2010	BBG-SB61D-6-7-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-10	SB61D-6-7	05/18/2010	05/19/2010	06/10/2010	BBG-SB61D-6-7-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-11	SS67-0-1	05/18/2010	05/19/2010	06/03/2010	BBG-SS67-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-11	SS67-0-1	05/18/2010	05/19/2010	06/10/2010	BBG-SS67-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-12	SS72-0-1	05/19/2010	05/19/2010	06/03/2010	BBG-SS72-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-12	SS72-0-1	05/19/2010	05/19/2010	06/10/2010	BBG-SS72-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-13	SB72-2-3	05/19/2010	05/19/2010	06/03/2010	BBG-SB72-2-3-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-13	SB72-2-3	05/19/2010	05/19/2010	06/10/2010	BBG-SB72-2-3-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-14	SS88-0-1	05/19/2010	05/19/2010	06/03/2010	BBG-SS88-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-14	SS88-0-1	05/19/2010	05/19/2010	06/10/2010	BBG-SS88-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-15	SB88-2.5-3.5	05/19/2010	05/19/2010	06/03/2010	BBG-SB88-2.5-3.5-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-15	SB88-2.5-3.5	05/19/2010	05/19/2010	06/10/2010	BBG-SB88-2.5-3.5-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-16	SS76-0-1	05/19/2010	05/19/2010	06/03/2010	BBG-SS76-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-16	SS76-0-1	05/19/2010	05/19/2010	06/10/2010	BBG-SS76-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-17	SB76-6-7	05/19/2010	05/19/2010	06/03/2010	BBG-SB76-6-7-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-17	SB76-6-7	05/19/2010	05/19/2010	06/10/2010	BBG-SB76-6-7-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-18	SS87-0-1	05/19/2010	05/19/2010	06/03/2010	BBG-SS87-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-18	SS87-0-1	05/19/2010	05/19/2010	06/10/2010	BBG-SS87-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-19	SB87-3-4	05/19/2010	05/19/2010	06/03/2010	BBG-SB87-3-4-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-19	SB87-3-4	05/19/2010	05/19/2010	06/10/2010	BBG-SB87-3-4-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-20	SS68-0-1	05/20/2010	05/19/2010	06/03/2010	BBG-SS68-0-1-10B

LAB WO	Project	Sample #	Field ID	Sample Date	Receive Date	DueDate	Chain of Custody ID
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-20	SS68-0-1	05/20/2010	05/19/2010	06/10/2010	BBG-SS68-0-1-10B

WORK ORDER

Printed: 5/28/2010 6:52:37PM

1005133

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005133** **CASE:**	**Status:**	**Prepared**

Report To:
CH2M HILL, INC.
REBEKHA SHAW
5700 CLEVELAND STREET, SUITE 101
VIRGINIA BEACH, VA 23462
Phone: 757-671-8311
Fax: -

Invoice To:
CH2M HILL, INC.
ACCOUNTS PAYABLE
P.O. BOX 241329
DENVER, CO 80224
Phone :757-671-8311
Fax: -

Date Due: 06/10/2010 00:00 (20 day TAT)

Received By: Cathy Dover — Date Received: 05/21/2010 16:00

Logged In By: Cathy Dover — Date Logged In: 05/16/2010 22:42

J & B Flags?: **YES**	TICS?:**NO**	Deliverable: **Style 9 PQL/MDL Forms**	EDD : **30) CH2 SNEDD**
Metals ND to? **RL/CRQL**	Spike Level: **FULL Spike**		

DOD CRITERIA*USE 1005133-01 FOR QC*SIM 8270C=PAH.SUB*PEST 8081A*TAL METALS*HEXAVALENT Cr 7196A + Cr+3 REPORTED ON FORMS & EDD

Analysis	Due	TAT	Expires	Received	Comments
1005133-01 SS73-0-1 [Soil] Sampled 05/14/2010 08:25 Eastern					**USE FOR QC**
Solids, Dry Weight	06/03/2010 16:00	13	11/10/2010 08:25	05/14/2010 16:00	
6010B METALS TAL	06/10/2010 16:00	20	11/10/2010 08:25	05/14/2010 16:00	
7470A/7471A Mercury	06/10/2010 16:00	20	06/11/2010 08:25	05/14/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/28/2010 08:25	05/14/2010 16:00	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/10/2010 08:25	05/14/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	05/28/2010 08:25	05/14/2010 16:00	SubList = GC- 8081 DOD
1005133-02 SB74-4-5 [Soil] Sampled 05/17/2010 16:00 Eastern					
6010B METALS TAL	06/10/2010 16:00	20	11/13/2010 16:00	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/31/2010 16:00	05/19/2010 09:05	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/13/2010 16:00	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/14/2010 16:00	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/13/2010 16:00	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	05/31/2010 16:00	05/19/2010 09:05	SubList = GC- 8081 DOD

COMPUCHEM

Client:	CH2M HILL, INC.	**Project Manager:**	Cathy Dover
Project:	CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Project Number:**	CTO-094 MCB CAMP LEJEUNE/395307.SA.D
SDG:	1005133 **CASE:**	**Status:**	Prepared

Analysis	Due	TAT	Expires		Comments
1005133-03 SS75-0-1 [Soil] Sampled 05/17/2010 16:35 Eastern					
7470A/7471A Mercury	06/10/2010 16:00	20	06/14/2010 16:35	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/13/2010 16:35	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/13/2010 16:35	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/13/2010 16:35	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/31/2010 16:35	05/19/2010 09:05	SubList = SVsim- PAH
GC-8081A/PEST	06/10/2010 16:00	20	05/31/2010 16:35	05/19/2010 09:05	SubList = GC- 8081 DOD
1005133-04 SB75-3.5-4.5 [Soil] Sampled 05/17/2010 16:45 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/13/2010 16:45	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/13/2010 16:45	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/14/2010 16:45	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	05/31/2010 16:45	05/19/2010 09:05	SubList = GC- 8081 DOD
Solids, Dry Weight	06/03/2010 16:00	13	11/13/2010 16:45	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/31/2010 16:45	05/19/2010 09:05	SubList = SVsim- PAH
1005133-05 SS63-0-1 [Soil] Sampled 05/18/2010 08:40 Eastern					
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 08:40	05/19/2010 09:05	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 08:40	05/19/2010 09:05	SubList = SVsim- PAH
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 08:40	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/15/2010 08:40	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/14/2010 08:40	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 08:40	05/19/2010 09:05	
1005133-06 SB63-5.5-6.5 [Soil] Sampled 05/18/2010 09:00 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 09:00	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 09:00	05/19/2010 09:05	SubList = SVsim- PAH
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 09:00	05/19/2010 09:05	SubList = GC- 8081 DOD
7470A/7471A Mercury	06/10/2010 16:00	20	06/15/2010 09:00	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 09:00	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/14/2010 09:00	05/19/2010 09:05	

1005133

COMPUCHEM

Client:	CH2M HILL, INC.	**Project Manager:**	Cathy Dover
Project:	CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Project Number:**	CTO-094 MCB CAMP LEJEUNE/395307.SA.DI
SDG:	1005133 **CASE:**	**Status:**	Received

Analysis	Due	TAT	Expires		Comments
1005133-07 SS61-0-1 [Soil] Sampled 05/18/2010 09:45 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 09:45	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/15/2010 09:45	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/14/2010 09:45	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 09:45	05/19/2010 09:05	SubList = GC- 8081 DOD
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 09:45	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 09:45	05/19/2010 09:05	SubList = SVsim- PAH
1005133-08 SS61D-0-1 [Soil] Sampled 05/18/2010 09:50 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 09:50	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/14/2010 09:50	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/15/2010 09:50	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 09:50	05/19/2010 09:05	SubList = SVsim- PAH
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 09:50	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 09:50	05/19/2010 09:05	SubList = GC- 8081 DOD
1005133-09 SB61-6-7 [Soil] Sampled 05/18/2010 09:55 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 09:55	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/15/2010 09:55	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 09:55	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 09:55	05/19/2010 09:05	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 09:55	05/19/2010 09:05	SubList = SVsim- PAH
6010B METALS TAL	06/10/2010 16:00	20	11/14/2010 09:55	05/19/2010 09:05	
1005133-10 SB61D-6-7 [Soil] Sampled 05/18/2010 10:00 Eastern					
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 10:00	05/19/2010 09:05	SubList = SVsim- PAH
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 10:00	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/15/2010 10:00	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 10:00	05/19/2010 09:05	SubList = GC- 8081 DOD
6010B METALS TAL	06/10/2010 16:00	20	11/14/2010 10:00	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 10:00	05/19/2010 09:05	

1005133

COMPUCHEM

Client:	CH2M HILL, INC.	**Project Manager:**	Cathy Dover
Project:	CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Project Number:**	CTO-094 MCB CAMP LEJEUNE/395307.SA.D
SDG:	1005133 **CASE:**	**Status:**	Prepared

Analysis	Due	TAT	Expires		Comments
1005133-11 SS67-0-1 [Soil] Sampled 05/18/2010 17:00 Eastern					
6010B METALS TAL	06/10/2010 16:00	20	11/14/2010 17:00	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 17:00	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 17:00	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/15/2010 17:00	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 17:00	05/19/2010 09:05	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 17:00	05/19/2010 09:05	SubList = SVsim- PAH
1005133-12 SS72-0-1 [Soil] Sampled 05/19/2010 08:35 Eastern					
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 08:35	05/19/2010 09:05	SubList = SVsim- PAH
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 08:35	05/19/2010 09:05	SubList = GC- 8081 DOD
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 08:35	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 08:35	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 08:35	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 08:35	05/19/2010 09:05	
1005133-13 SB72-2-3 [Soil] Sampled 05/19/2010 08:45 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 08:45	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 08:45	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 08:45	05/19/2010 09:05	SubList = SVsim- PAH
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 08:45	05/19/2010 09:05	SubList = GC- 8081 DOD
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 08:45	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 08:45	05/19/2010 09:05	
1005133-14 SS88-0-1 [Soil] Sampled 05/19/2010 09:10 Eastern					
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 09:10	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 09:10	05/19/2010 09:05	SubList = SVsim- PAH
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 09:10	05/19/2010 09:05	SubList = GC- 8081 DOD
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 09:10	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 09:10	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 09:10	05/19/2010 09:05	

1005133

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005133** **CASE:**	**Status:**	**Prepared**

Analysis	Due	TAT	Expires		Comments
1005133-15 SB88-2.5-3.5 [Soil] Sampled 05/19/2010 09:25 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 09:25	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 09:25	05/19/2010 09:05	SubList = GC- 8081 DOD
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 09:25	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 09:25	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 09:25	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 09:25	05/19/2010 09:05	SubList = SVsim- PAH
1005133-16 SS76-0-1 [Soil] Sampled 05/19/2010 09:55 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 09:55	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 09:55	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 09:55	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 09:55	05/19/2010 09:05	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 09:55	05/19/2010 09:05	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 09:55	05/19/2010 09:05	
1005133-17 SB76-6-7 [Soil] Sampled 05/19/2010 10:45 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 10:45	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 10:45	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 10:45	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 10:45	05/19/2010 09:05	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 10:45	05/19/2010 09:05	SubList = SVsim- PAH
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 10:45	05/19/2010 09:05	
1005133-18 SS87-0-1 [Soil] Sampled 05/19/2010 11:45 Eastern					
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 11:45	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 11:45	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 11:45	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 11:45	05/19/2010 09:05	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 11:45	05/19/2010 09:05	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 11:45	05/19/2010 09:05	

1005133

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005133** **CASE:**	**Status:**	**Batched**

Analysis	Due	TAT	Expires		Comments
1005133-19 SB87-3-4 [Soil] Sampled 05/19/2010 11:55 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 11:55	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 11:55	05/19/2010 09:05	SubList = SVsim- PAH
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 11:55	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 11:55	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 11:55	05/19/2010 09:05	SubList = GC- 8081 DOD
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 11:55	05/19/2010 09:05	
1005133-20 SS68-0-1 [Soil] Sampled 05/20/2010 09:30 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 09:30	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 09:30	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 09:30	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 09:30	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 09:30	05/19/2010 09:05	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 09:30	05/19/2010 09:05	SubList = SVsim- PAH

Analysis groups included in this work order

TRIVALENT CHROMIUM Cr3 7196A

Total Cr by Metals HEXAVALENT CHROMI

CompuChem, a Division of Liberty Analytical Corp.

EXTRACT COC

5-24-2

DEPT: EXTR **DATE:** 5-24-10

BATCH: 0051919

COMPUCHEM SAMPLE NUMBER	CLIENT SAMPLE ID	PARAMETER	
0051919-BLK1	PBLKBO		
0051919-BS1	PBOLCS		
0051919-BSD1	PBOLCSD		
0051919-MS1	SB85-1.5-2.5MS		
0051919-MS2	SS73-0-1MS		
0051919-MSD1	SB85-1.5-2.5MSD		
0051919-MSD2	SS73-0-1MSD		
1005132-01	SB85-1.5-2.5		
1005132-02	SB78-3.5-4.5		
1005132-03	SS77-0-1		
1005132-04	SB77-3.5-4.5		
1005132-05	SS79-0-1		
1005132-06	SB79-11-12		
1005132-07	SS83-0-1		
1005132-08	SB83-6.5-7.5		
1005132-09	SS62-0-1		
1005132-10	SS74-0-1		
1005132-11	SS86-0-1		
1005132-12	SB86-3-4		
1005132-13	SS84-0-1		
1005132-14	SB84-6-7		
1005133-01	SS73-0-1		
1005134-01	SS02-0-1		
1005134-02	SS02D-0-1		
1005134-03	SB02-5-6		
1005134-04	SB02D-5-6		
1005134-05	SB05-7-8		

RELINQUISHED BY	DATE/TIME	REC. BY	REASON
MHatt	5-24-10/1615pm	GC Ref #3	Storage
GC#3	5/24/10 1330	AHW	Login
AHW	↓ 1330	GC#4	Storage

Rev. 12/29/09:RM

AJ 6/17/10

CompuChem, a Division of Liberty Analytical Corp.

EXTRACT COC

DEPT: EXTR

DATE: 6-1-10 BH ~~6~~ TO 6-1-10

6-1-1

BATCH: 0052408

	COMPUCHEM NUMBER	CLIENT SAMPLE ID	PARAMETER	
1	0052408-BLK1	PBLKCF		
2	0052408-BS1	PCFLCS		
3	0052408-BSD1	PCFLCSD		
4	1005133-02	SB74-4-5		
5	1005133-03	SS75-0-1		
6	1005133-04	SB75-3.5-4.5		
7	1005133-05	SS63-0-1		
8	1005133-06	SB63-5.5-6.5		
9	1005133-07	SS61-0-1		
10	1005133-08	SS61D-0-1		
11	1005133-09	SB61-6-7		
12	1005133-10	SB61D-6-7		
13	1005133-11	SS67-0-1		
14	1005133-12	SS72-0-1		
15	1005133-13	SB72-2-3		
16	1005133-14	SS88-0-1		
17	1005133-15	SB88-2.5-3.5		
18	1005133-16	SS76-0-1		
19	1005133-17	SB76-6-7		
20	1005133-18	SS87-0-1		
21	1005133-19	SB87-3-4		
22	1005133-20	SS68-0-1		
23				
24				
25				
26				
27				
28				

	RELINQUISHED BY	DATE/TIME	REC. BY	REASON
	B. Patten	6-1-10	G.C. Ref. #3	Storage
	GC#3	6/1/10 1400	AHW	Login
	AHW	6/1/10 1400	GC#4	Storage

TAJ 6/1/10

C. SDG Data

1. QC Summary
2. Sample Data
3. Standards Data
4. Raw QC Data

LAB CODE: LIBRTY

METHOD: 8081B

SDG #: 1005133

1. QC Summary

a. Surrogate Percent Recovery Summary (Form II)

b. Matrix Spike/Matrix Spike Duplicate/
Laboratory Control Sample Summary
(Form III)

c. Method Blank Summary (Form IV)

a. Surrogate Percent Recovery Summary

(Form II)

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column(1): CLPEST ID: 0.32 (mm) GC Column(2): CLPEST2 ID: 0.32 (mm)

	EPA SAMPLE NO.	S1 1 %REC #	S1 2 %REC #	TCX 1 %REC #	TCX 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLKBO	76	75	57 *	53*			2
02	PBOLCS	80	79	88	81			0
03	PBOLCSD	78	76	88	80			0
04	SS73-0-1MS	100	96	100	91			0
05	SS73-0-1MSD	90	86	99	87			0
06	SS73-0-1	110	92	120	101			0
07	PCFLCS	78	76	82	69*			1
08	PCFLCSD	79	78	91	78			0
09	SB74-4-5	81	80	83	69*			1
10	SS75-0-1	75	72	77	73			0
11	SB75-3.5-4.5	81	80	87	68*			1
12	SS63-0-1	80	82	81	78			0
13	SB63-5.5-6.5	83	81	93	69*			1
14	SS61-0-1	79	78	78	69*			1
15	SS61D-0-1	81	80	81	74			0
16	SB61-6-7	86	84	85	69*			1
17	SB61D-6-7	78	76	72	59*			1
18	SS72-0-1	87	86	80	70*			1
19	SB72-2-3	69	68	63 *	56*			2
20	SS76-0-1	82	76	85	73			0
21	SS68-0-1	110	72	80	69*			1
22	PBLKCF	62	61	36 *	34*			2
23	SS67-0-1	120	52*	46 *	66*			3
24	SS67-0-1DL	72	73	49 D	62D			0
25	SB88-2.5-3.5	72	71	71	62*			1
26	SB76-6-7	78	77	64 *	64*			2
27	SS88-0-1	88	85	98	86			0
28	SS88-0-1DL	100	108	79	90			0
29	SS87-0-1	71	68	69 *	62*			2
30	SB87-3-4	67	68	73	62*			1

		ADVISORY QC LIMITS
S1	= Decachlorobiphenyl	(55-130)
S2 (TCX)	= Tetrachloro-m-Xylene	(70-125)

\# Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column(1): CLPEST ID: 0.32 (mm) GC Column(2): CLPEST2 ID: 0.32 (mm)

	EPA SAMPLE NO.	S1 1 %REC #	S1 2 %REC #	TCX 1 %REC #	TCX 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	SS76-0-1RE	78	77	79	73			0
02	SS76-0-1REDL	92	98	79	84			0
03	SS68-0-1RE	94	67	68 *	70*			2
04	SS68-0-1REDL	89	79	74	77			0
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

ADVISORY QC LIMITS

S1 = Decachlorobiphenyl (55-130)
S2 (TCX) = Tetrachloro-m-Xylene (70-125)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

b. Matrix Spike/Matrix Spike Duplicate/
Laboratory Control Sample Summary

(Form III)

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix Spike - EPA Sample No.: SS73-0-1

COMPOUND	SPIKE ADDED (ug/Kg	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Aldrin	5.2	0.20	5.3	98	45-140
beta-BHC	5.2	0.0	5.0	96	60-125
alpha-BHC	5.2	0.20	5.7	106	60-125
delta-BHC	5.2	0.0	5.5	106	55-130
gamma-BHC (Lindane)	5.2	0.0	5.1	98	60-125
4,4'-DDD	13	7.5	14	50	30-135
4,4'-DDE	13	14	14	0*	70-125
4,4'-DDT	13	18	13	-38*	45-140
Dieldrin	13	0.88	14	101	65-125
Endosulfan I	5.2	0.0	5.4	104	15-135
Endosulfan II	13	0.0	12	92	35-140
Endosulfan sulfate	13	0.0	11	85	60-135
Endrin	13	0.0	13	100	60-135
Endrin Aldehyde	13	0.0	8.8	68	35-145
Heptachlor	5.2	0.21	5.4	100	50-140
Heptachlor Epoxide	5.2	0.20	5.0	92	65-130
Methoxychlor	13	0.0	14	108	55-145
Endrin Ketone	13	0.83	15	109	65-135
gamma-Chlordane	5.2	0.24	5.3	97	65-125
alpha-Chlordane	5.2	0.91	6.0	98	65-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix Spike - EPA Sample No.: SS73-0-1

COMPOUND	SPIKE ADDED (ug/Kg	MSD CONCENTRATION (ug/Kg	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aldrin	5.2	5.3	98	0	40	45-140
beta-BHC	5.2	6.4	123	24	40	60-125
alpha-BHC	5.2	5.4	100	5	40	60-125
delta-BHC	5.2	5.3	102	4	40	55-130
gamma-BHC (Lindane)	5.2	5.4	104	6	40	60-125
4,4'-DDD	13	13	42	7	40	30-135
4,4'-DDE	13	15	8*	7	40	70-125
4,4'-DDT	13	12	-46*	8	40	45-140
Dieldrin	13	13	93	7	40	65-125
Endosulfan I	5.2	5.1	98	6	40	15-135
Endosulfan II	13	11	85	9	40	35-140
Endosulfan sulfate	13	10	77	10	40	60-135
Endrin	13	12	92	8	40	60-135
Endrin Aldehyde	13	7.5	58	16	40	35-145
Heptachlor	5.2	5.0	92	8	40	50-140
Heptachlor Epoxide	5.2	4.9	90	2	40	65-130
Methoxychlor	13	14	108	0	40	55-145
Endrin Ketone	13	14	101	7	40	65-135
gamma-Chlordane	5.2	4.7	86	12	40	65-125
alpha-Chlordane	5.2	5.6	90	7	40	65-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits
Spike Recovery: 4 out of 40 outside limits

COMMENTS: _____

3F

SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

LCS ID: PBOLCS Matrix Spike - EPA Sample No.: PBOLCS

COMPOUND	SPIKE ADDED (ug/Kg	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Aldrin	5.0		3.8	76	45-140
beta-BHC	5.0		4.1	82	60-125
alpha-BHC	5.0		4.5	90	60-125
delta-BHC	5.0		4.8	96	55-130
gamma-BHC (Lindane)	5.0		4.2	84	60-125
4,4'-DDD	13		12	92	30-135
4,4'-DDE	13		11	85	70-125
4,4'-DDT	13		15	115	45-140
Dieldrin	13		12	92	65-125
Endosulfan I	5.0		4.3	86	15-135
Endosulfan II	13		11	85	35-140
Endosulfan sulfate	13		10	77	60-135
Endrin	13		11	85	60-135
Endrin Aldehyde	13		6.7	52	35-145
Heptachlor	5.0		4.9	98	50-140
Heptachlor Epoxide	5.0		5.0	100	65-130
Methoxychlor	13		12	92	55-145
Endrin Ketone	13		12	92	65-135
gamma-Chlordane	5.0		4.5	90	65-125
alpha-Chlordane	5.0		5.0	100	65-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

3F
SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

LCS ID: PBOLCS Matrix Spike - EPA Sample No.: PBOLCS

COMPOUND	SPIKE ADDED (ug/Kg	LCSD CONCENTRATION (ug/Kg	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aldrin	5.0	3.6	72	5	40	45-140
beta-BHC	5.0	4.1	82	0	40	60-125
alpha-BHC	5.0	4.4	88	2	40	60-125
delta-BHC	5.0	4.6	92	4	40	55-130
gamma-BHC (Lindane)	5.0	3.9	78	7	40	60-125
4,4'-DDD	13	11	85	9	40	30-135
4,4'-DDE	13	11	85	0	40	70-125
4,4'-DDT	13	10	77	40	40	45-140
Dieldrin	13	11	85	9	40	65-125
Endosulfan I	5.0	4.1	82	5	40	15-135
Endosulfan II	13	11	85	0	40	35-140
Endosulfan sulfate	13	10	77	0	40	60-135
Endrin	13	11	85	0	40	60-135
Endrin Aldehyde	13	6.0	46	11	40	35-145
Heptachlor	5.0	4.7	94	4	40	50-140
Heptachlor Epoxide	5.0	4.6	92	8	40	65-130
Methoxychlor	13	12	92	0	40	55-145
Endrin Ketone	13	11	85	9	40	65-135
gamma-Chlordane	5.0	4.3	86	4	40	65-125
alpha-Chlordane	5.0	4.8	96	4	40	65-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits
Spike Recovery: 0 out of 40 outside limits

COMMENTS: _____

3F
SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

LCS ID: PCFLCS Matrix Spike - EPA Sample No.: PCFLCS

COMPOUND	SPIKE ADDED (ug/Kg	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Aldrin	5.0		3.4	68	45-140
beta-BHC	5.0		3.5	70	60-125
alpha-BHC	5.0		3.8	76	60-125
delta-BHC	5.0		4.0	80	55-130
gamma-BHC (Lindane)	5.0		3.5	70	60-125
4,4'-DDD	13		11	85	30-135
4,4'-DDE	13		9.8	75	70-125
4,4'-DDT	13		9.4	72	45-140
Dieldrin	13		10	77	65-125
Endosulfan I	5.0		3.8	76	15-135
Endosulfan II	13		10	77	35-140
Endosulfan sulfate	13		9.5	73	60-135
Endrin	13		9.6	74	60-135
Endrin Aldehyde	13		6.2	48	35-145
Heptachlor	5.0		4.3	86	50-140
Heptachlor Epoxide	5.0		4.1	82	65-130
Methoxychlor	13		11	85	55-145
Endrin Ketone	13		11	85	65-135
gamma-Chlordane	5.0		3.9	78	65-125
alpha-Chlordane	5.0		4.5	90	65-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

3F
SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

LCS ID: PCFLCS Matrix Spike - EPA Sample No.: PCFLCS

COMPOUND	SPIKE ADDED (ug/Kg	LCSD CONCENTRATION (ug/Kg	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aldrin	5.0	3.7	74	8	40	45-140
beta-BHC	5.0	3.8	76	8	40	60-125
alpha-BHC	5.0	4.2	84	10	40	60-125
delta-BHC	5.0	4.2	84	5	40	55-130
gamma-BHC (Lindane)	5.0	3.8	76	8	40	60-125
4,4'-DDD	13	11	85	0	40	30-135
4,4'-DDE	13	10	77	2	40	70-125
4,4'-DDT	13	9.4	72	0	40	45-140
Dieldrin	13	11	85	10	40	65-125
Endosulfan I	5.0	3.9	78	2	40	15-135
Endosulfan II	13	10	77	0	40	35-140
Endosulfan sulfate	13	9.7	75	2	40	60-135
Endrin	13	10	77	4	40	60-135
Endrin Aldehyde	13	6.6	51	6	40	35-145
Heptachlor	5.0	4.7	94	9	40	50-140
Heptachlor Epoxide	5.0	4.4	88	7	40	65-130
Methoxychlor	13	11	85	0	40	55-145
Endrin Ketone	13	11	85	0	40	65-135
gamma-Chlordane	5.0	4.1	82	5	40	65-125
alpha-Chlordane	5.0	4.6	92	2	40	65-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits
Spike Recovery: 0 out of 40 outside limits

COMMENTS: _____

c. Method Blank Summary (Form IV)

If more than a single form is necessary, forms shall be arranged in chronological order by date of analysis of the blanks and by instrument.

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLKBO

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 0051919-BLK1 Lab File ID: 016F0051919-BLK1

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SONC

Sulfur Cleanup (Y/N) N Date Extracted: 05/20/10

Date Analyzed (1): 06/01/10 Date Analyzed (2): 06/01/10

Time Analyzed (1): 2305 Time Analyzed (2): 2305

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column (1): CLPEST ID: 0.32(mm) GC Column (2): CLPEST2 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PBOLCS	0051919-BS1	06/01/10	06/01/10
02	PBOLCSD	0051919-BSD1	06/02/10	06/02/10
03	SS73-0-1MS	0051919-MS2	06/02/10	06/02/10
04	SS73-0-1MSD	0051919-MSD2	06/02/10	06/02/10
05	SS73-0-1	1005133-01	06/02/10	06/02/10
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: _____

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLKCF

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 0052408-BLK1 Lab File ID: 016I0052408-BLK1

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SONC

Sulfur Cleanup (Y/N) N Date Extracted: 05/24/10

Date Analyzed (1): 06/10/10 Date Analyzed (2): 06/10/10

Time Analyzed (1): 2348 Time Analyzed (2): 2348

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column (1): CLPEST ID: 0.32(mm) GC Column (2): CLPEST2 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PCFLCS	0052408-BS1	06/03/10	06/03/10
02	PCFLCSD	0052408-BSD1	06/03/10	06/03/10
03	SB74-4-5	1005133-02	06/03/10	06/03/10
04	SS75-0-1	1005133-03	06/03/10	06/03/10
05	SB75-3.5-4.5	1005133-04	06/03/10	06/03/10
06	SS63-0-1	1005133-05	06/03/10	06/03/10
07	SB63-5.5-6.5	1005133-06	06/03/10	06/03/10
08	SS61-0-1	1005133-07	06/03/10	06/03/10
09	SS61D-0-1	1005133-08	06/03/10	06/03/10
10	SB61-6-7	1005133-09	06/03/10	06/03/10
11	SB61D-6-7	1005133-10	06/03/10	06/03/10
12	SS72-0-1	1005133-12	06/03/10	06/03/10
13	SB72-2-3	1005133-13	06/03/10	06/03/10
14	SS76-0-1	1005133-16	06/09/10	06/09/10
15	SS68-0-1	1005133-20	06/09/10	06/09/10
16	SS67-0-1	1005133-11	06/11/10	06/11/10
17	SS67-0-1DL	1005133-11RE1	06/11/10	06/11/10
18	SB88-2.5-3.5	1005133-15	06/11/10	06/11/10
19	SB76-6-7	1005133-17	06/11/10	06/11/10
20	SS88-0-1	1005133-14	06/11/10	06/11/10
21	SS88-0-1DL	1005133-14RE1	06/11/10	06/11/10
22	SS87-0-1	1005133-18	06/11/10	06/11/10
23	SB87-3-4	1005133-19	06/11/10	06/11/10
24	SS76-0-1RE	1005133-16RE1	06/11/10	06/11/10
25	SS76-0-1REDL	1005133-16RE2	06/11/10	06/11/10
26	SS68-0-1RE	1005133-20RE1	06/11/10	06/11/10

COMMENTS: _____

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLKCF

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 0052408-BLK1 Lab File ID: 016I0052408-BLK1

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SONC

Sulfur Cleanup (Y/N) N Date Extracted: 05/24/10

Date Analyzed (1): 06/10/10 Date Analyzed (2): 06/10/10

Time Analyzed (1): 2348 Time Analyzed (2): 2348

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column (1): CLPEST ID: 0.32(mm) GC Column (2): CLPEST2 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	SS68-0-1REDL	1005133-20RE2	06/11/10	06/11/10
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: _____

2. Sample Data

Sample data shall be arranged in packets with the Organic Analysis Data Sheet (Form I), followed by the raw data for samples. These sample packets shall be placed in increasing Client Sample ID number order, considering both letters and numbers.

a. Target Analyte Results

Tabulated results (identification and quantitation) shall be included.

b. Copies of Chromatograms

Positively identified compounds shall be labeled with the names of compounds, either directly out from the peak on the chromatogram, or on a printout of retention times on the data system printout if retention times are printed over the peak on the chromatogram. Included for each sample or sample extract, dilutions, and reanalysis. The chromatogram shall contain the following header information: Client Sample ID number, volume injected (uL), date and time of injection, GC column ID, and GC instrument ID.

c. Copies of Chromatograms from the Second Column

(if necessary)

d. Data System Printout

A printout of retention time and corresponding peak height or peak Area shall accompany each chromatogram. Where edits have been Made, initialing, dating and integration time range are required.

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB61-6-7

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/03/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	2.0	U
319-84-6	alpha-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
72-54-8	4,4'-DDD	3.8	U
72-55-9	4,4'-DDE	3.8	U
50-29-3	4,4'-DDT	3.8	U
60-57-1	Dieldrin	3.8	U
959-98-8	Endosulfan I	2.0	U
33213-65-9	Endosulfan II	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
72-20-8	Endrin	3.8	U
7421-93-4	Endrin Aldehyde	3.8	U
76-44-8	Heptachlor	2.0	U
1024-57-3	Heptachlor Epoxide	2.0	U
72-43-5	Methoxychlor	20	U
8001-35-2	Toxaphene	97	U
53494-70-5	Endrin Ketone	3.8	U
5103-74-2	gamma-Chlordane	2.0	U
5103-71-9	alpha-Chlordane	2.0	U

Data File: /chem/tracegc82.i/f100601f.b/082f1005133-09.d

Page 1

Date : 03-JUN-2010 07:07

Client ID: SB61-6-7

Instrument: tracegc82.i

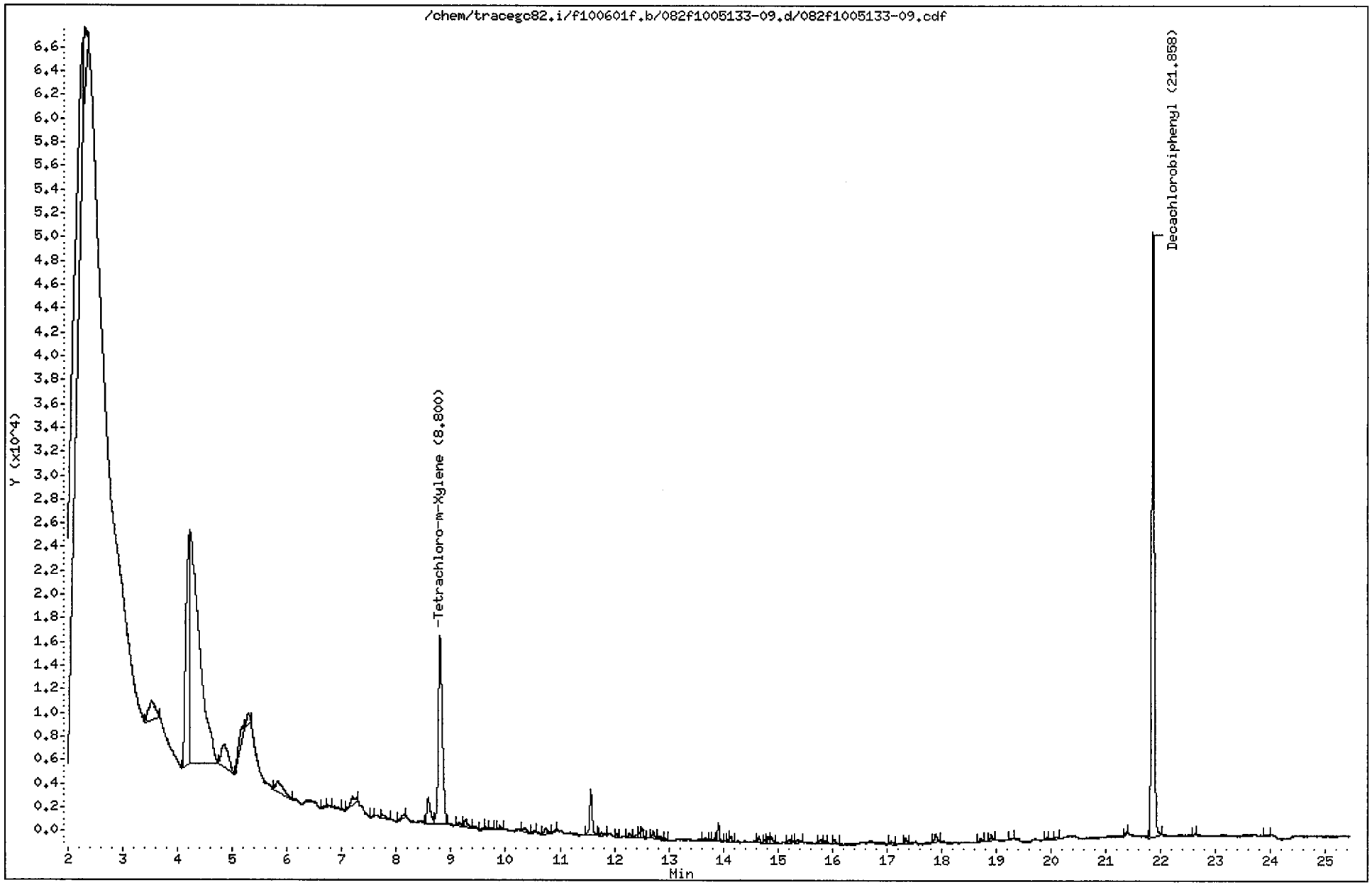
Sample Info: 1005133-09

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-09 Client Smp Id : SB61-6-7
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 07:07 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601f.b/8081A_clpestv6.m
Misc. Info : SB61-6-7

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
0.35			348								
0.44			846								
0.51			819								
0.59			345								
1.05			449								
1.49			25864								
2.26			125481								
2.31			21859								
3.52			13638								
4.21			89250								
4.24			242669								
4.85			17393								
5.17			7671								
5.29			3245								
5.83			9065								
6.69			403								
6.86			880								
7.20			3561								
7.56			298								
7.75			1892								
8.12			1248								
8.59			9775								
8.80	8.73	8.87	80716	1587700	Tetrachloro-m-Xylene	0.050838	9.852269		84.7	70 - 125	
9.15			1231								
9.27			2463								
9.58			683								
9.64			657								
9.70			611								
9.90			1066								
10.35			1588								
10.52			319								
10.73			2323								
10.90			539								
11.57			12196								
11.76			1275								
12.05			916								
12.27			1103								

6/4/10

CompuChem

Lab Smp Id : 1005133-09 Client Smp Id : SB61-6-7
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 07:07 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601f.b/8081A_clpestv6.m
Misc. Info : SB61-6-7

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.41		877								
12.46		1029								
12.51		2280								
12.72		1837								
12.83		1348								
12.94		405								
13.67		693								
13.84		550								
13.91		3938								
14.11		489								
14.14		1204								
14.65		1317								
14.75		600								
14.82		1460								
14.88		1610								
15.21		837								
15.37		1049								
15.79		918								
15.87		493								
16.04		1176								
17.08		788								
17.34		1076								
17.89		2272								
18.72		935								
18.91		1490								
19.30		310								
19.93		450								
20.11		602								
21.38		563								
21.86	21.79 21.93	167571	1622138	Decachlorobiphenyl	0.103302	20.01975		86.1	55 - 130	
22.59		370								
23.93		527								

Data File: /chem/tracegc82.i/f100601f_2C.b/082f1005133-09.d

Page 1

Date : 03-JUN-2010 07:07

Client ID: SB61-6-7

Instrument: tracegc82.i

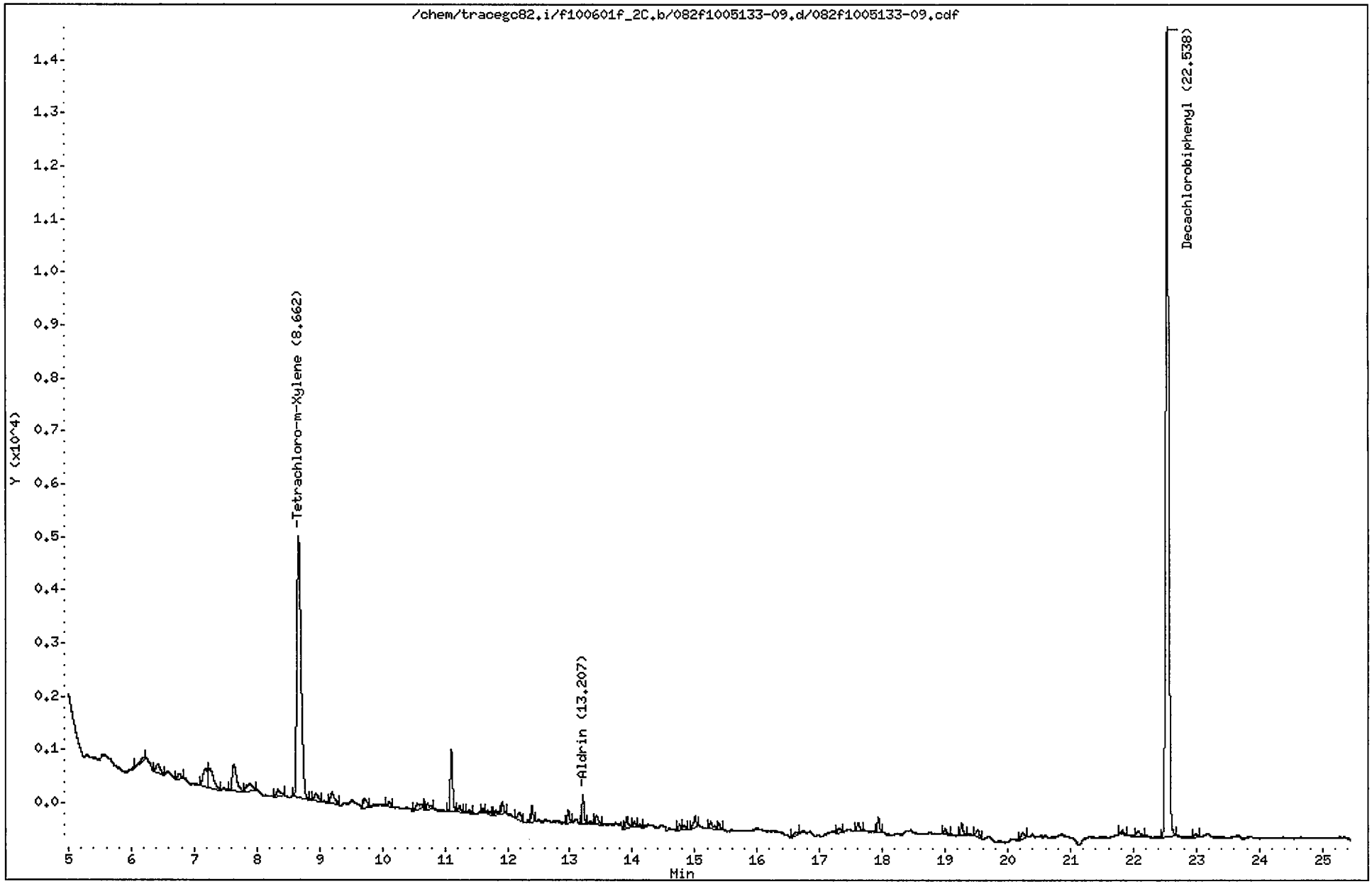
Sample Info: 1005133-09

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-09 Client Smp Id : SB61-6-7
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 07:07 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601f_2C.b/8081A_clpest2v6.m
Misc. Info : SB61-6-7

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.36		662								
2.10		948465								
3.16		338								
3.52		92726								
4.27		134								
4.88		2880								
6.20		157								
6.42		854								
6.77		365								
7.17		1541								
7.24		2238								
7.63		2450								
7.88		838								
8.34		553								
8.66	8.59 8.73	22841	548876	Tetrachloro-m-Xylene	0.041612	8.064402		69.4*	70 - 125	R
8.94		538								
9.20		860								
9.72		676								
10.11		244								
10.56		680								
10.72		432								
11.10		3005								
11.23		311								
11.38		167								
11.61		185								
11.68		271								
11.81		330								
11.92		601								
12.19		523								
12.39		686								
12.97		575								
13.21	13.10 13.24	1171	726628	Aldrin	0.001610	0.312050	1.976744			J
13.33		188								
13.43		618								
13.91		601								
14.03		177								
14.13		178								

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CompuChem

Lab Smp Id : 1005133-09 Client Smp Id : SB61-6-7
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 07:07 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601f_2C.b/8081A_clpest2v6.m
Misc. Info : SB61-6-7

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
14.75		290								
14.83		278								
15.00		592								
15.25		504								
15.39		271								
16.64		276								
17.30		264								
17.61		505								
17.94		686								
19.00		374								
19.27		610								
19.53		498								
20.24		373								
21.82		266								
22.08		367								
22.54	22.47 22.61	49849	497254	Decachlorobiphenyl	0.100246	19.42761		83.5	55 - 130	
23.00		203								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB61D-6-7

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/03/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	2.0	U
319-84-6	alpha-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
72-54-8	4,4'-DDD	3.8	U
72-55-9	4,4'-DDE	3.8	U
50-29-3	4,4'-DDT	3.8	U
60-57-1	Dieldrin	3.8	U
959-98-8	Endosulfan I	2.0	U
33213-65-9	Endosulfan II	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
72-20-8	Endrin	3.8	U
7421-93-4	Endrin Aldehyde	3.8	U
76-44-8	Heptachlor	2.0	U
1024-57-3	Heptachlor Epoxide	2.0	U
72-43-5	Methoxychlor	20	U
8001-35-2	Toxaphene	97	U
53494-70-5	Endrin Ketone	3.8	U
5103-74-2	gamma-Chlordane	2.0	U
5103-71-9	alpha-Chlordane	2.0	U

Data File: /chem/tracegc82.i/f100601f.b/083f1005133-10.d

Page 1

Date : 03-JUN-2010 07:37

Client ID: SB61D-6-7

Instrument: tracegc82.i

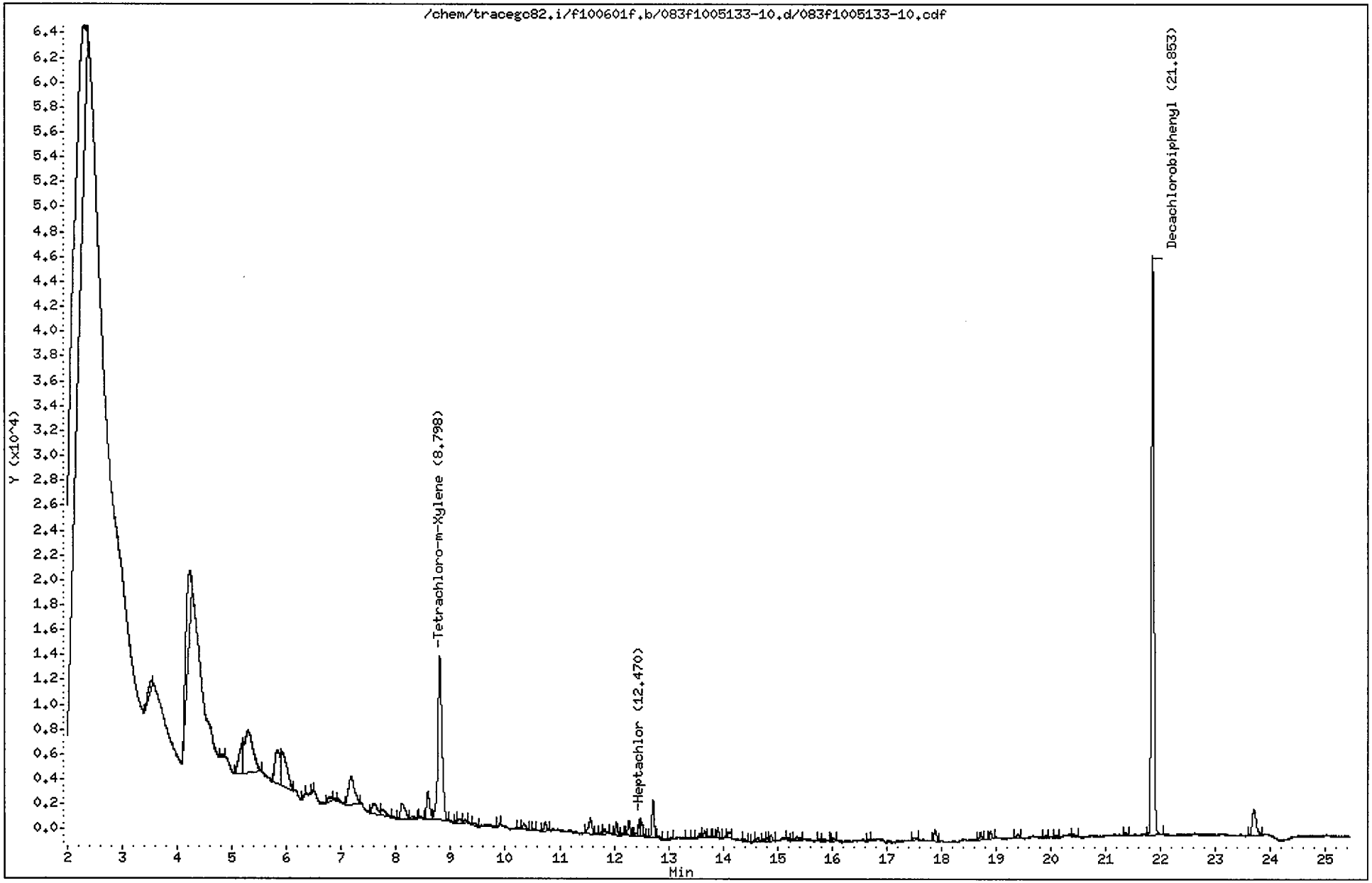
Sample Info: 1005133-10

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-10 Client Smp Id : SB61D-6-7
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 07:37 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601f.b/8081A_clpestv6.m
Misc. Info : SB61D-6-7

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.04			284								
1.50			35267								
2.31			207657								
3.51			5164								
4.22			38716								
4.82			678								
5.18			11970								
5.29			36465								
5.84			16499								
5.93			21694								
6.33			296								
6.46			587								
6.79			1700								
6.94			1103								
7.18			16471								
7.59			5287								
7.75			3209								
8.11			7579								
8.29			872								
8.46			712								
8.58			9326								
8.80	8.73	8.87	68702	1587700	Tetrachloro-m-Xylene	0.043271	8.385811		72.1	70 - 125	
9.12			453								
9.17			1426								
9.26			734								
9.44			808								
9.90			286								
10.25			482								
10.35			1922								
10.54			363								
10.73			2603								
11.56			5028								
11.67			384								
11.76			330								
11.82			1347								
12.04			2742								
12.15			410								

6/2/10

CompuChem

Lab Smp Id : 1005133-10 Client Smp Id : SB61D-6-7
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 07:37 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601f.b/8081A_clpestv6.m
Misc. Info : SB61D-6-7

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.28		3292								
12.41		529								
12.47	12.38 12.52	3263	2589888	Heptachlor	0.001260	0.244167	1.976744			J
12.51		2686								
12.72		8732								
12.83		631								
12.94		541								
13.04		424								
13.35		304								
13.57		1345								
13.66		1731								
13.75		337								
13.85		324								
13.91		1816								
14.10		1571								
14.38		644								
14.55		493								
14.65		1236								
14.75		526								
14.81		645								
14.88		1454								
15.20		581								
15.36		1194								
15.78		352								
15.84		817								
16.02		835								
16.68		514								
17.50		1030								
17.88		3134								
18.71		1633								
18.90		1794								
19.40		1050								
19.91		521								
20.10		456								
20.42		540								
21.36		989								
21.85	21.79 21.93	152775	1622138	Decachlorobiphenyl	0.094181	18.25218		78.5	55 - 130	

CompuChem

Lab Smp Id : 1005133-10 Client Smp Id : SB61D-6-7
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 07:37 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601f.b/8081A_clpestv6.m
Misc. Info : SB61D-6-7

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
23.70		10730								

Data File: /chem/tracegc82.i/f100601f_2C.b/083f1005133-10.d

Date : 03-JUN-2010 07:37

Client ID: SB61D-6-7

Instrument: tracegc82.i

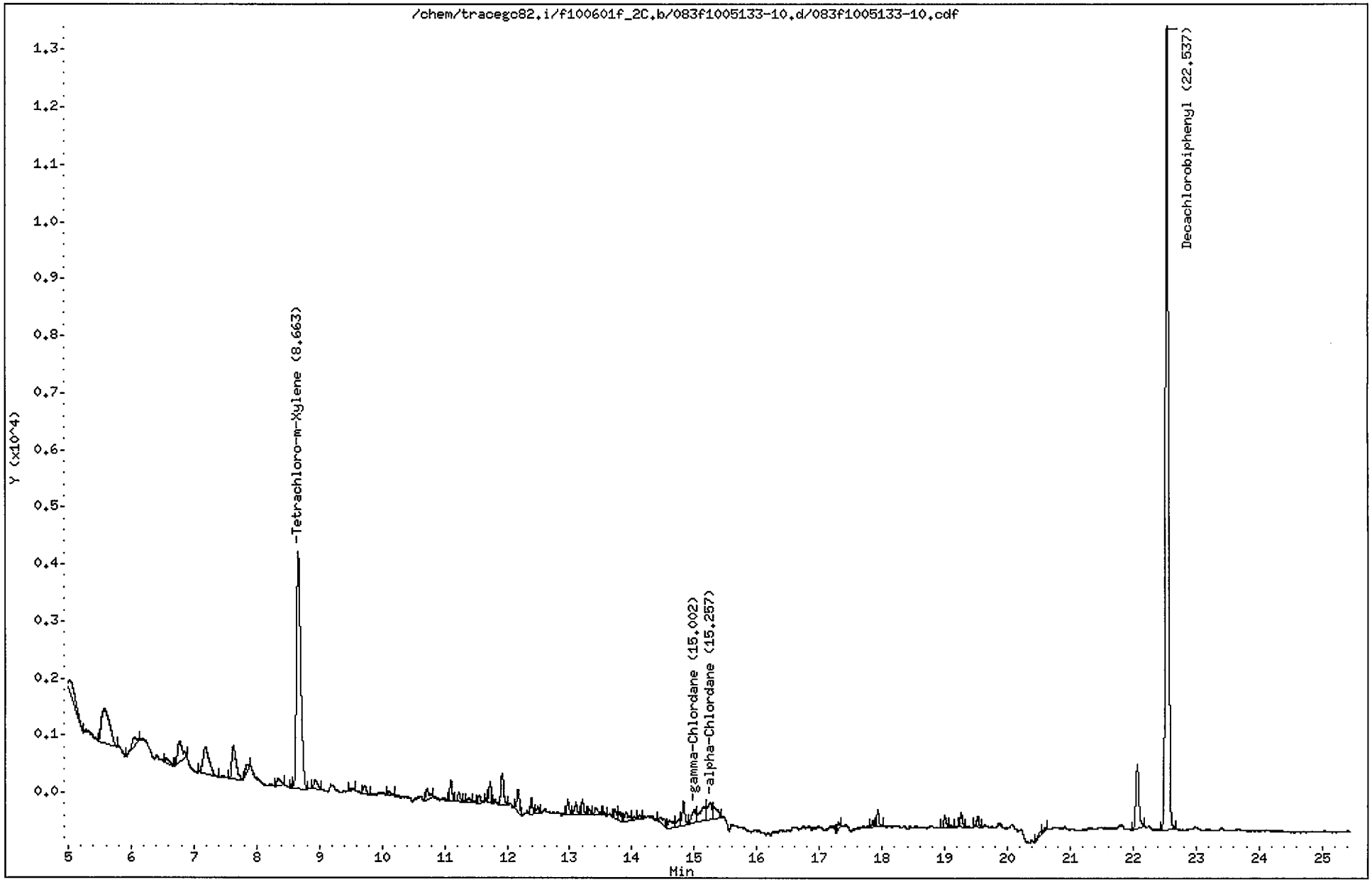
Sample Info: 1005133-10

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



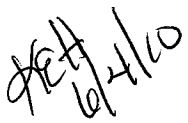
CompuChem

Lab Smp Id : 1005133-10 Client Smp Id : SB61D-6-7
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 07:37 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601f_2C.b/8081A_clpest2v6.m
Misc. Info : SB61D-6-7

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.36			570								
2.10			1046349								
3.16			43387								
3.52			101941								
4.29			175								
4.90			1193								
5.02			2194								
5.57			5555								
6.07			987								
6.57			382								
6.76			1924								
7.18			3330								
7.63			2932								
7.85			496								
8.35			518								
8.56			143								
8.66	8.59	8.73	19458	548876	Tetrachloro-m-Xylene	0.035451	6.870277		59.1*	70 - 125	R
8.94			677								
9.50			197								
9.72			571								
10.11			284								
10.72			585								
11.10			977								
11.23			442								
11.38			233								
11.56			369								
11.73			946								
11.92			1670								
12.17			1165								
12.39			627								
12.49			304								
12.97			655								
13.10			611								
13.20			642								
13.31			242								
13.42			534								
13.55			131								



CompuChem

Lab Smp Id : 1005133-10 Client Smp Id : SB61D-6-7
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 07:37 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601f_2C.b/8081A_clpest2v6.m
Misc. Info : SB61D-6-7

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
13.72		530								
13.81		406								
13.90		687								
14.04		186								
14.12		176								
14.46		648								
14.60		708								
14.76		467								
14.83		1238								
15.00	14.88 15.02	1124	690205	gamma-Chlordane	0.001629	0.315601	1.976744			J
15.16		1580								
15.26	15.21 15.35	1487	595455	alpha-Chlordane	0.002496	0.483638	1.976744			J
15.32		953								
17.30		331								
17.85		246								
17.93		711								
19.00		572								
19.10		127								
19.26		579								
19.53		466								
20.52		290								
20.60		182								
22.07		3906								
22.54	22.47 22.61	45654	497254	Decachlorobiphenyl	0.091812	17.79305		76.5	55 - 130	

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB63-5.5-6.5

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 17 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/03/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	2.0	U
319-84-6	alpha-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
72-54-8	4,4'-DDD	4.0	U
72-55-9	4,4'-DDE	4.0	U
50-29-3	4,4'-DDT	0.93	J
60-57-1	Dieldrin	4.0	U
959-98-8	Endosulfan I	2.0	U
33213-65-9	Endosulfan II	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
72-20-8	Endrin	4.0	U
7421-93-4	Endrin Aldehyde	4.0	U
76-44-8	Heptachlor	2.0	U
1024-57-3	Heptachlor Epoxide	2.0	U
72-43-5	Methoxychlor	20	U
8001-35-2	Toxaphene	100	U
53494-70-5	Endrin Ketone	4.0	U
5103-74-2	gamma-Chlordane	2.0	U
5103-71-9	alpha-Chlordane	2.0	U

Data File: /chem/tracegc82.i/f100601e.b/075f1005133-06.d

Page 1

Date : 03-JUN-2010 03:44

Client ID: SB63-5.5-6.5

Instrument: tracegc82.i

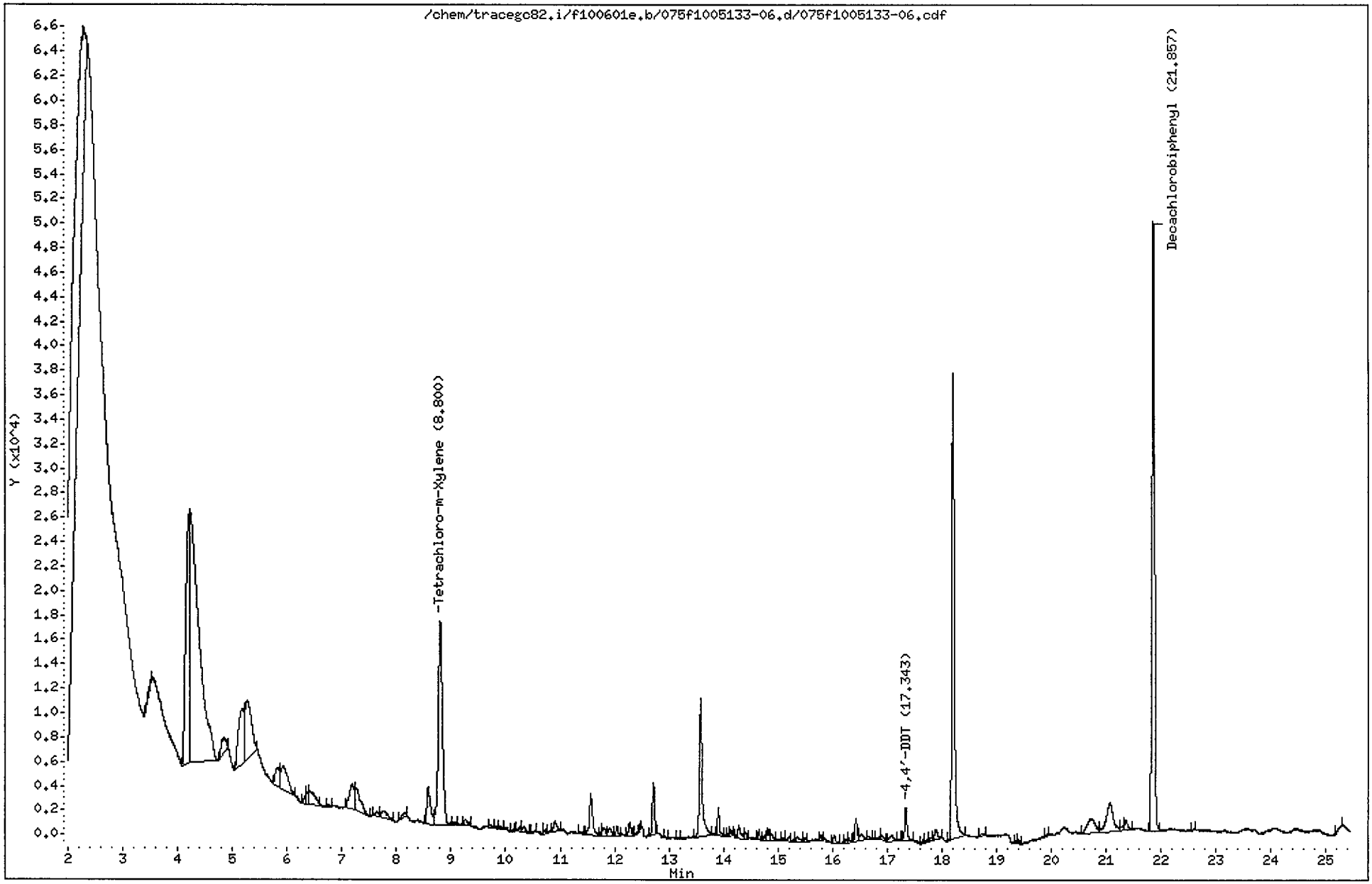
Sample Info: 1005133-06

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-06 Client Smp Id : SB63-5.5-6.5
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 03:44 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601e.b/8081A_clpestv6.m
Misc. Info : SB63-5.5-6.5

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 17(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.04			336								
1.50			22604								
2.29			230870								
3.52			2345								
4.21			88366								
4.23			249722								
4.85			7759								
5.19			31581								
5.27			41051								
5.83			7845								
5.94			17896								
6.35			2201								
6.39			2673								
6.42			8615								
6.75			408								
7.18			12847								
7.27			13165								
7.64			1555								
7.77			4290								
8.15			1986								
8.59			14385								
8.80	8.73	8.87	88157	1587700	Tetrachloro-m-Xylene	0.055525	11.14960		92.5	70 - 125	
9.06			678								
9.27			1727								
9.71			588								
9.89			833								
10.13			543								
10.25			1155								
10.33			1981								
10.54			570								
10.73			968								
10.83			341								
10.90			3634								
11.38			547								
11.57			13280								
11.76			610								
11.80			2342								

CompuChem

Lab Smp Id : 1005133-06 Client Smp Id : SB63-5.5-6.5
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 03:44 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601e.b/8081A_clpestv6.m
Misc. Info : SB63-5.5-6.5

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 17(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.91		2638								
12.04		2077								
12.28		3214								
12.41		286								
12.47		1006								
12.71		12414								
12.94		323								
13.15		358								
13.58		39152								
13.91		5532								
14.10		334								
14.14		856								
14.29		3542								
14.41		1325								
14.65		1808								
14.76		893								
14.82		2473								
14.88		1899								
15.09		897								
15.21		1445								
15.27		445								
15.36		1936								
15.49		708								
15.79		1100								
16.03		1865								
16.25		805								
16.30		885								
16.38		315								
16.43		5266								
16.53		2718								
16.66		939								
16.86		727								
16.91		1881								
17.09		2843								
17.23		377								
17.34	17.27 17.41	8058	1722489	4,4'-DDT	0.004678	0.939380	3.975904			J
17.66		569								

CompuChem

Lab Smp Id : 1005133-06 Client Smp Id : SB63-5.5-6.5
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 03:44 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601e.b/8081A_clpestv6.m
Misc. Info : SB63-5.5-6.5

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 17(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
17.72		667								
17.80		843								
17.89		3396								
18.20		117714								
18.73		1017								
19.35		514								
19.41		1018								
19.93		475								
20.74		11500								
21.07		20272								
21.31		1465								
21.37		3520								
21.86	21.79 21.93	162042	1622138	Decachlorobiphenyl	0.099894	20.05905		83.2	55 - 130	
22.58		324								
25.29		690								

Data File: /chem/tracegc82.i/f100601e_2C.b/075f1005133-06.d

Page 1

Date : 03-JUN-2010 03:44

Client ID: SB63-5.5-6.5

Instrument: tracegc82.i

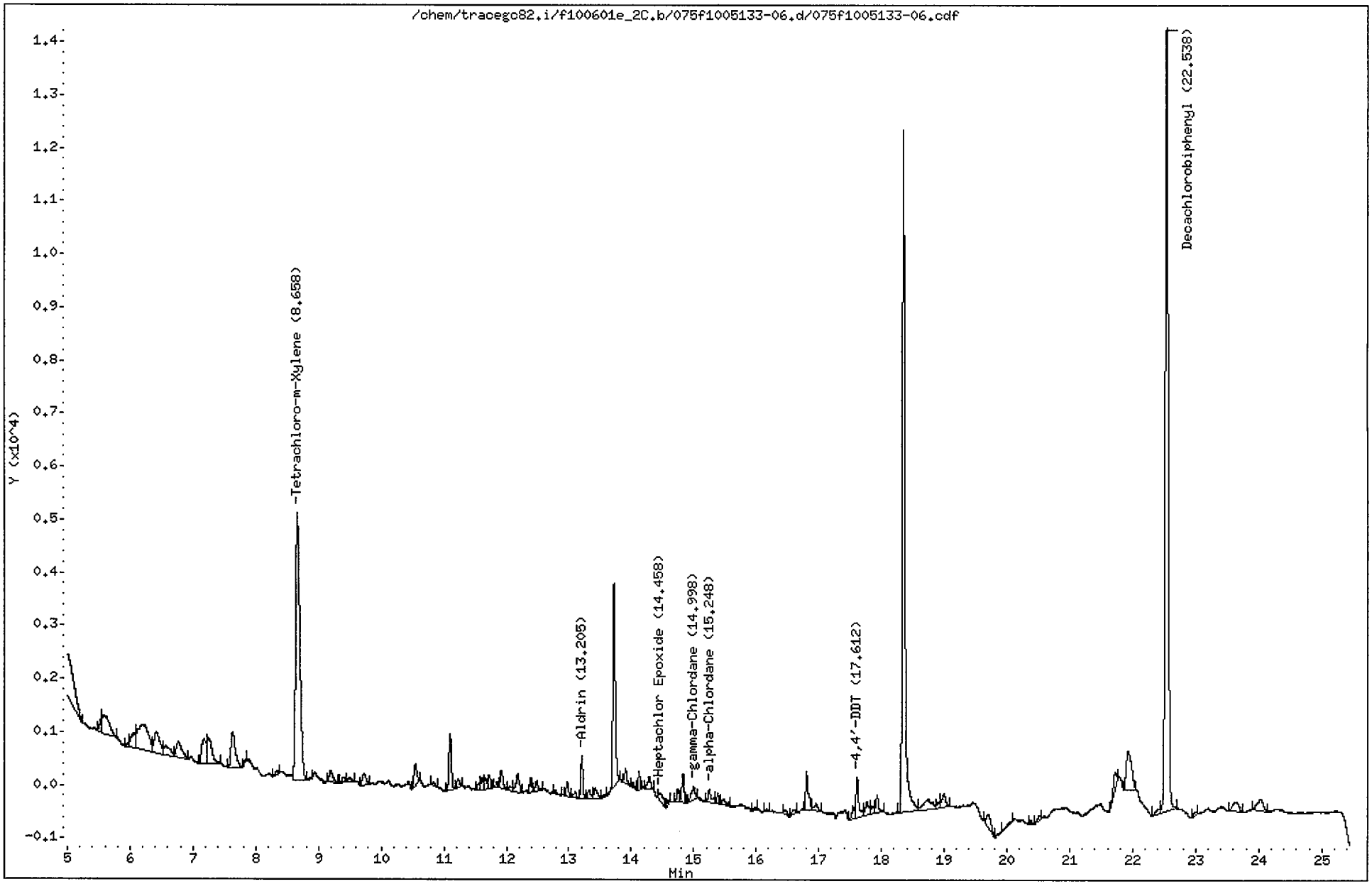
Sample Info: 1005133-06

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-06 Client Smp Id : SB63-5.5-6.5
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 03:44 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601e_2C.b/8081A_clpest2v6.m
Misc. Info : SB63-5.5-6.5

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 17(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.36			434								
2.08			1030279								
3.16			42489								
3.52			124415								
4.31			515								
4.68			2118								
4.86			26366								
5.54			601								
5.57			2736								
5.97			188								
6.07			1346								
6.20			5991								
6.42			2467								
6.57			1197								
6.76			1852								
7.17			2164								
7.25			2772								
7.63			3436								
7.83			141								
8.33			248								
8.66	8.59	8.73	23410	548876	Tetrachloro-m-Xylene	0.042651	8.564381		71.1	70 - 125	M2
8.87			132								
9.20			952								
9.40			315								
9.49			252								
9.72			958								
10.54			1334								
10.83			200								
11.10			2781								
11.23			455								
11.55			328								
11.61			568								
11.67			518								
11.73			667								
11.85			263								
11.91			1102								
12.05			275								

CompuChem

Lab Smp Id : 1005133-06 Client Smp Id : SB63-5.5-6.5
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 03:44 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601e_2C.b/8081A_clpest2v6.m
Misc. Info : SB63-5.5-6.5

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 17(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.18		1380								
12.39		622								
12.48		642								
12.78		184								
12.97		666								
13.10		342								
13.20	13.10 13.24	1730	726628	Aldrin	0.002381	0.478085	2.048193			J
13.32		512								
13.42		780								
13.57		129								
13.72		10027								
13.90		838								
14.03		204								
14.12		658								
14.29		771								
14.46	14.45 14.59	828	683115	Heptachlor Epoxide	0.001211	0.243099	2.048193			J
14.59		170								
14.75		551								
14.83		1390								
15.00	14.88 15.02	955	690205	gamma-Chlordane	0.001382	0.277550	2.048193			J
15.25	15.21 15.35	934	595455	alpha-Chlordane	0.001567	0.314632	2.048193			J
15.38		419								
15.48		432								
15.97		121								
16.17		120								
16.46		325								
16.61		296								
16.80		2234								
16.96		523								
17.55		605								
17.61	17.55 17.69	2336	503765	4,4'-DDT	0.004637	0.931141	3.975904			J
17.77		1108								
17.86		426								
17.93		971								
18.35		36181								
18.75		1823								
18.92		399								

CompuChem

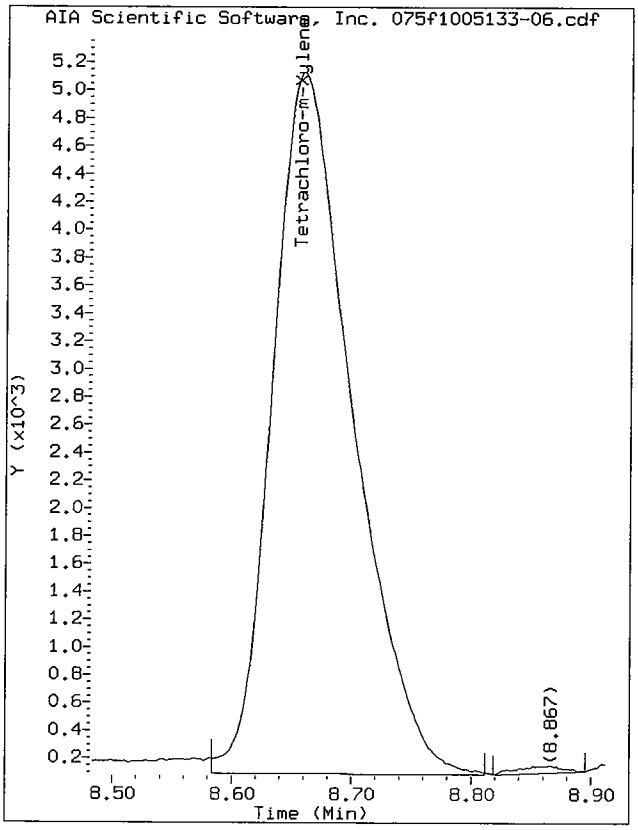
Lab Smp Id : 1005133-06 Client Smp Id : SB63-5.5-6.5
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 03:44 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601e_2C.b/8081A_clpest2v6.m
Misc. Info : SB63-5.5-6.5

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 17(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
19.00		1097								
19.70		1179								
20.08		210								
20.39		163								
20.52		299								
21.72		1232								
21.93		4291								
22.41		360								
22.54	22.47 22.61	48382	497254	Decachlorobiphenyl	0.097298	19.53780		81.1	55 - 130	
23.00		196								
23.64		1210								
24.03		1442								

Manually Integrated Peaks



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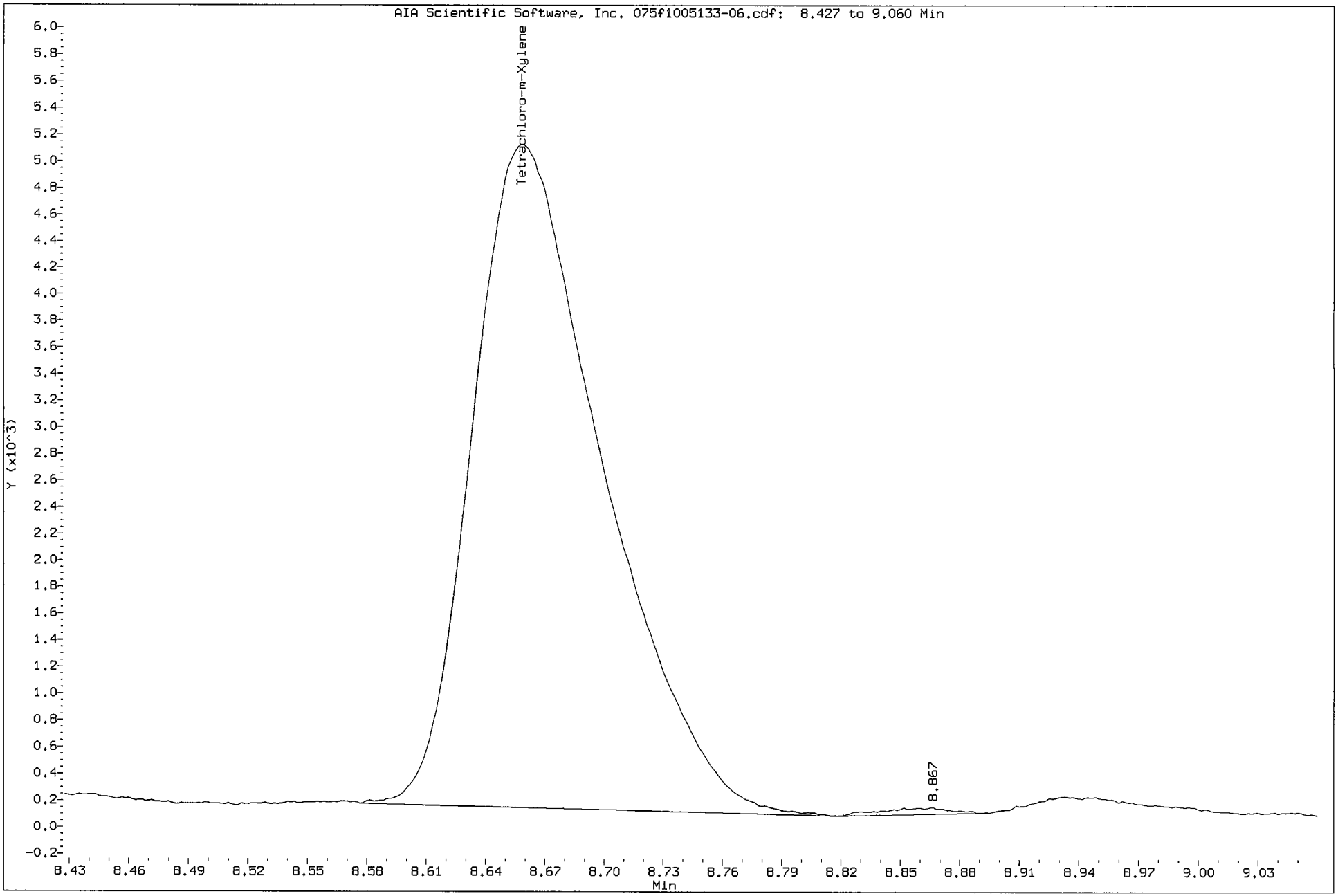
Injection Date: 03-JUN-2010 03:44
Instrument: tracegc82.i
Client Sample ID: SB63-5.5-6.5



1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB72-2-3

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-13

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 13 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/03/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	2.0	U
319-84-6	alpha-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
72-54-8	4,4'-DDD	3.8	U
72-55-9	4,4'-DDE	3.8	U
50-29-3	4,4'-DDT	3.8	U
60-57-1	Dieldrin	3.8	U
959-98-8	Endosulfan I	2.0	U
33213-65-9	Endosulfan II	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
72-20-8	Endrin	3.8	U
7421-93-4	Endrin Aldehyde	3.8	U
76-44-8	Heptachlor	2.0	U
1024-57-3	Heptachlor Epoxide	2.0	U
72-43-5	Methoxychlor	20	U
8001-35-2	Toxaphene	95	U
53494-70-5	Endrin Ketone	3.8	U
5103-74-2	gamma-Chlordane	2.0	U
5103-71-9	alpha-Chlordane	2.0	U

Data File: /chem/tracegc82.i/f100601f.b/086f1005133-13.d

Page 1

Date : 03-JUN-2010 09:04

Client ID: SB72-2-3

Instrument: tracegc82.i

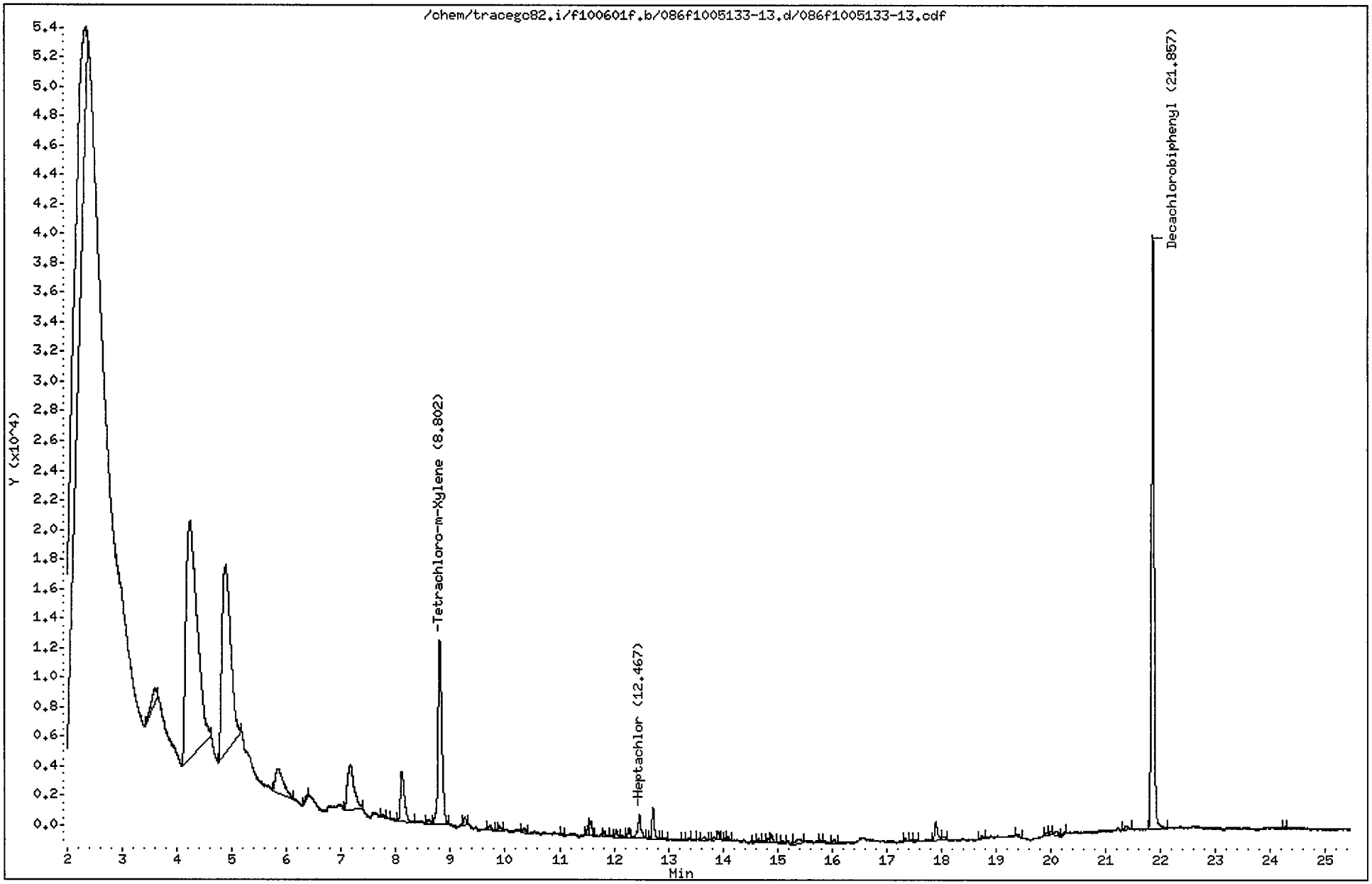
Sample Info: 1005133-13

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-13 Client Smp Id : SB72-2-3
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 09:04 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601f.b/8081A_clpestv6.m
Misc. Info : SB72-2-3

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 13(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
0.04		283								
1.03		350								
1.38		626								
1.51		20422								
2.33		162498								
3.58		6634								
4.24		227915								
4.89		140702								
5.85		17546								
6.37		519								
7.17		25738								
7.75		577								
7.93		605								
8.11		17487								
8.59		1227								
8.80	8.73 8.87	59900	1587700	Tetrachloro-m-Xylene	0.037727	7.227378		62.9*	70 - 125	R
9.26		1719								
9.72		1064								
9.90		929								
10.35		1296								
11.03		392								
11.52		1484								
11.57		3465								
11.82		907								
12.04		1450								
12.15		759								
12.28		2209								
12.47	12.38 12.52	6922	2589888	Heptachlor	0.002673	0.512012	1.954023			J
12.72		6633								
12.93		456								
13.28		329								
13.36		385								
13.57		291								
13.67		720								
13.84		498								
13.91		1413								
14.04		322								

CompuChem

Lab Smp Id : 1005133-13 Client Smp Id : SB72-2-3
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 09:04 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601f.b/8081A_clpestv6.m
Misc. Info : SB72-2-3

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 13(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
14.09		958								
14.57		376								
14.65		762								
14.75		389								
14.82		818								
14.88		1704								
15.10		371								
15.37		1848								
15.79		310								
16.04		910								
17.35		463								
17.52		327								
17.90		4650								
18.05		1089								
18.75		760								
19.41		644								
19.93		556								
19.99		838								
20.10		1568								
20.24		595								
21.36		1163								
21.86	21.79 21.93	134854	1622138	Decachlorobiphenyl	0.083133	15.92595		69.3	55 - 130	
24.25		314								

Data File: /chem/tracegc82.i/f100601f_2C.b/086f1005133-13.d

Date : 03-JUN-2010 09:04

Client ID: SB72-2-3

Instrument: tracegc82.i

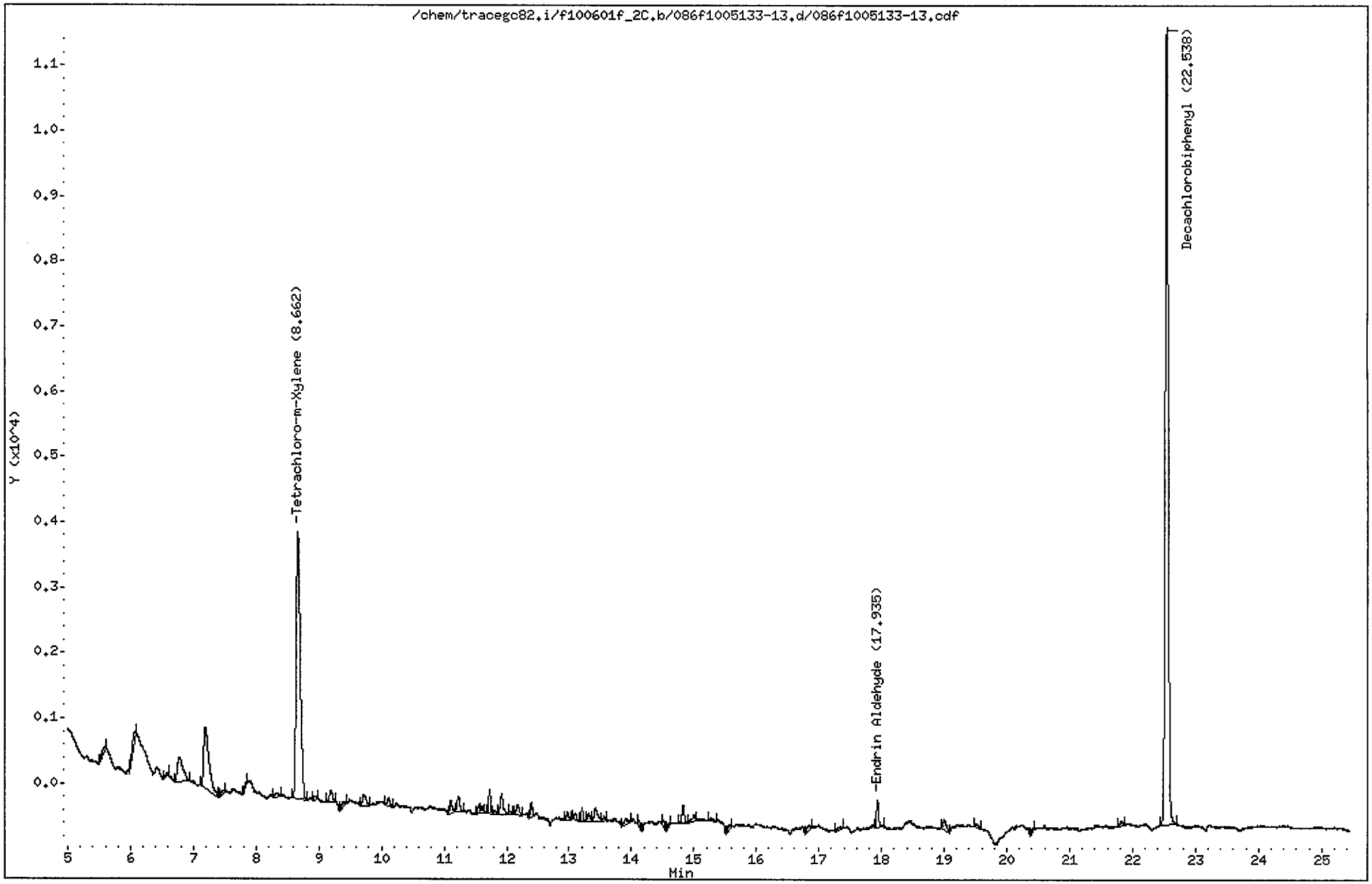
Sample Info: 1005133-13

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-13 Client Smp Id : SB72-2-3
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 09:04 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601f_2C.b/8081A_clpest2v6.m
Misc. Info : SB72-2-3

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 13(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.37			892								
2.11			789932								
3.18			858								
3.37			214								
3.52			72216								
4.35			52240								
5.58			268								
6.07			639								
6.58			142								
6.78			2348								
7.19			5498								
7.47			155								
7.85			148								
8.34			214								
8.66	8.59	8.73	18469	548876	Tetrachloro-m-Xylene	0.033647	6.445775		56.1*	70 - 125	R
8.94			145								
9.19			643								
9.39			275								
9.73			685								
10.11			352								
11.11			537								
11.23			634								
11.55			285								
11.61			242								
11.72			778								
11.81			211								
11.92			1106								
12.06			138								
12.18			546								
12.40			518								
12.97			343								
13.10			264								
13.21			462								
13.31			336								
13.42			872								
13.56			149								
13.90			369								

CompuChem

Lab Smp Id : 1005133-13 Client Smp Id : SB72-2-3
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 09:04 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601f_2C.b/8081A_clpest2v6.m
Misc. Info : SB72-2-3

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 13(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
14.12		221								
14.52		185								
14.62		135								
14.83		727								
15.00		359								
15.26		222								
15.57		246								
16.84		286								
17.32		158								
17.94	17.81 17.95	1038	425754	Endrin Aldehyde	0.002438	0.467055	3.793103			J
19.00		591								
19.52		233								
20.43		122								
21.83		193								
22.54	22.47 22.61	40468	497254	Decachlorobiphenyl	0.081381	15.59020		67.8	55 - 130	

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB74-4-5

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 8 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/03/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.8	U
319-85-7	beta-BHC	1.8	U
319-84-6	alpha-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
72-54-8	4,4'-DDD	3.6	U
72-55-9	4,4'-DDE	3.6	U
50-29-3	4,4'-DDT	3.6	U
60-57-1	Dieldrin	0.86	J
959-98-8	Endosulfan I	1.8	U
33213-65-9	Endosulfan II	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
72-20-8	Endrin	3.6	U
7421-93-4	Endrin Aldehyde	3.6	U
76-44-8	Heptachlor	1.8	U
1024-57-3	Heptachlor Epoxide	1.8	U
72-43-5	Methoxychlor	18	U
8001-35-2	Toxaphene	90	U
53494-70-5	Endrin Ketone	3.6	U
5103-74-2	gamma-Chlordane	0.23	J
5103-71-9	alpha-Chlordane	1.8	U

Data File: /chem/tracegc82.i/f100601e.b/071f1005133-02.d

Date : 03-JUN-2010 01:47

Client ID: SB74-4-5

Instrument: tracegc82.i

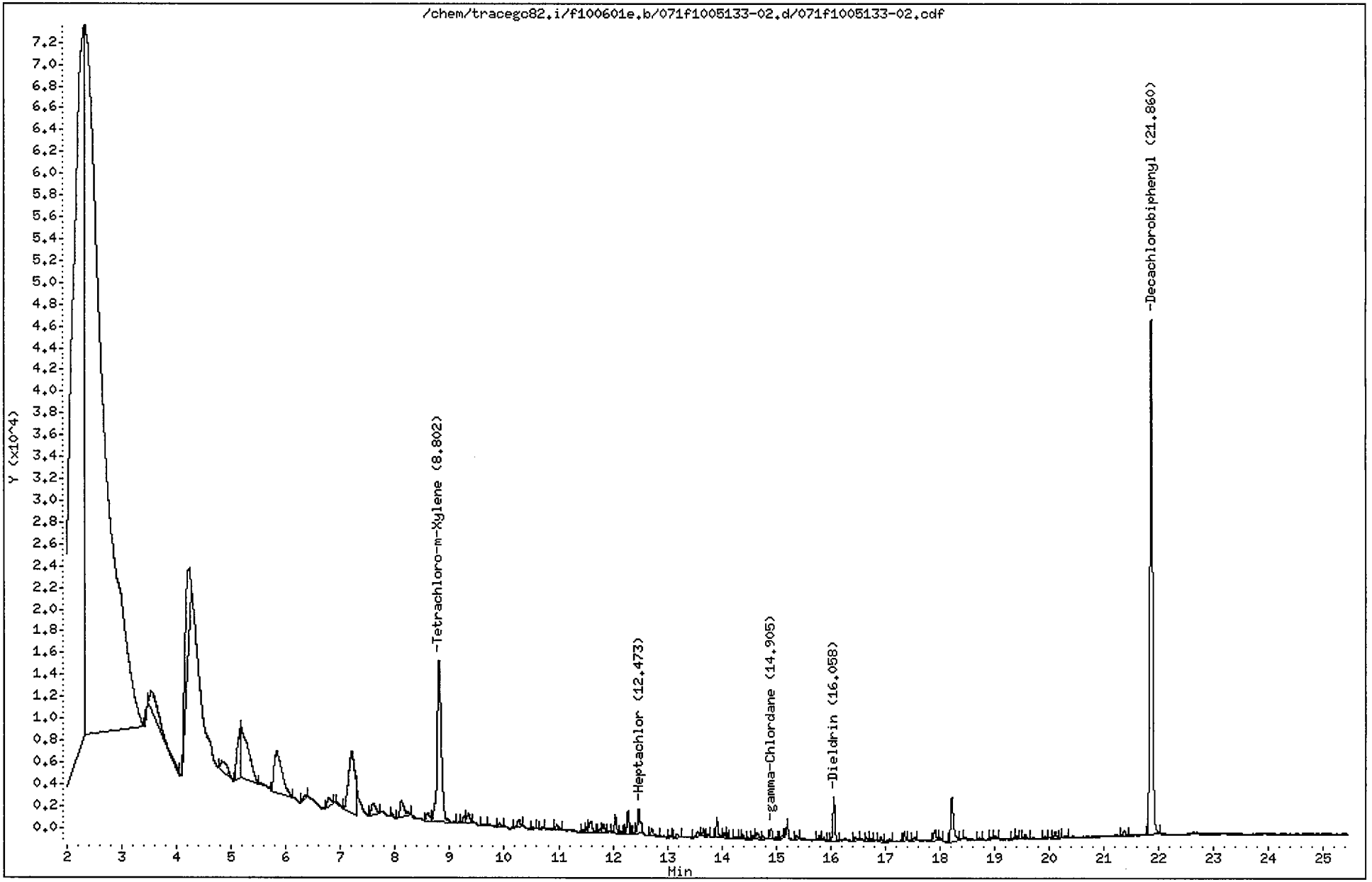
Sample Info: 1005133-02

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-02 Client Smp Id : SB74-4-5
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 01:47 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601e.b/8081A_clpestv6.m
Misc. Info : SB74-4-5

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 8(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.39			350								
1.50			43034								
2.33			1083324								
2.34			1471041								
3.48			1616								
3.52			22464								
4.22			55790								
4.83			9803								
5.17			18616								
5.18			45342								
5.82			39064								
6.34			1315								
6.79			3563								
6.93			511								
7.21			45182								
7.59			5713								
7.94			933								
8.12			9202								
8.60			3615								
8.80	8.73	8.87	78698	1587700	Tetrachloro-m-Xylene	0.049567	8.979472		82.6	70 - 125	
9.27			1854								
9.35			3075								
9.63			802								
9.90			1425								
10.27			2315								
10.53			447								
10.60			373								
10.70			522								
10.96			1967								
11.45			357								
11.52			913								
11.59			3889								
11.76			841								
11.82			2534								
12.04			4400								
12.14			504								
12.28			5996								

CompuChem

Lab Smp Id : 1005133-02 Client Smp Id : SB74-4-5
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 01:47 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601e.b/8081A_clpestv6.m
Misc. Info : SB74-4-5

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 8(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.41		382								
12.47	12.38 12.52	7291	2589888	Heptachlor	0.002815	0.509926	1.847826			J
12.72		2366								
13.04		543								
13.18		1082								
13.56		1359								
13.66		1961								
13.75		294								
13.91		4285								
14.04		948								
14.10		1142								
14.25		330								
14.34		435								
14.39		978								
14.47		454								
14.56		789								
14.65		2096								
14.76		988								
14.90	14.84 14.98	3526	2245768	gamma-Chlordane	0.001570	0.284351	1.847826			J
15.11		517								
15.18		627								
15.37		1529								
15.79		1039								
15.87		573								
16.06	15.99 16.13	10480	2037205	Dieldrin	0.005144	0.931850	3.586957			J
16.46		1249								
16.66		768								
16.74		663								
16.91		1380								
17.08		1194								
17.34		2005								
17.53		806								
17.91		3294								
18.00		585								
18.22		14204								
18.40		290								
18.72		569								

CompuChem

Lab Smp Id : 1005133-02 Client Smp Id : SB74-4-5
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 01:47 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601e.b/8081A_clpestv6.m
Misc. Info : SB74-4-5

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 8(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
18.96		420								
19.02		756								
19.37		532								
19.41		910								
19.56		957								
19.93		617								
20.11		1570								
20.29		314								
21.37		1513								
21.86	21.79 21.93	158155	1622138	Decachlorobiphenyl	0.097498	17.66265		81.2	55 - 130	

Data File: /chem/tracegc82.i/f100601e_2C.b/071f1005133-02.d

Date : 03-JUN-2010 01:47

Client ID: SB74-4-5

Instrument: tracegc82.i

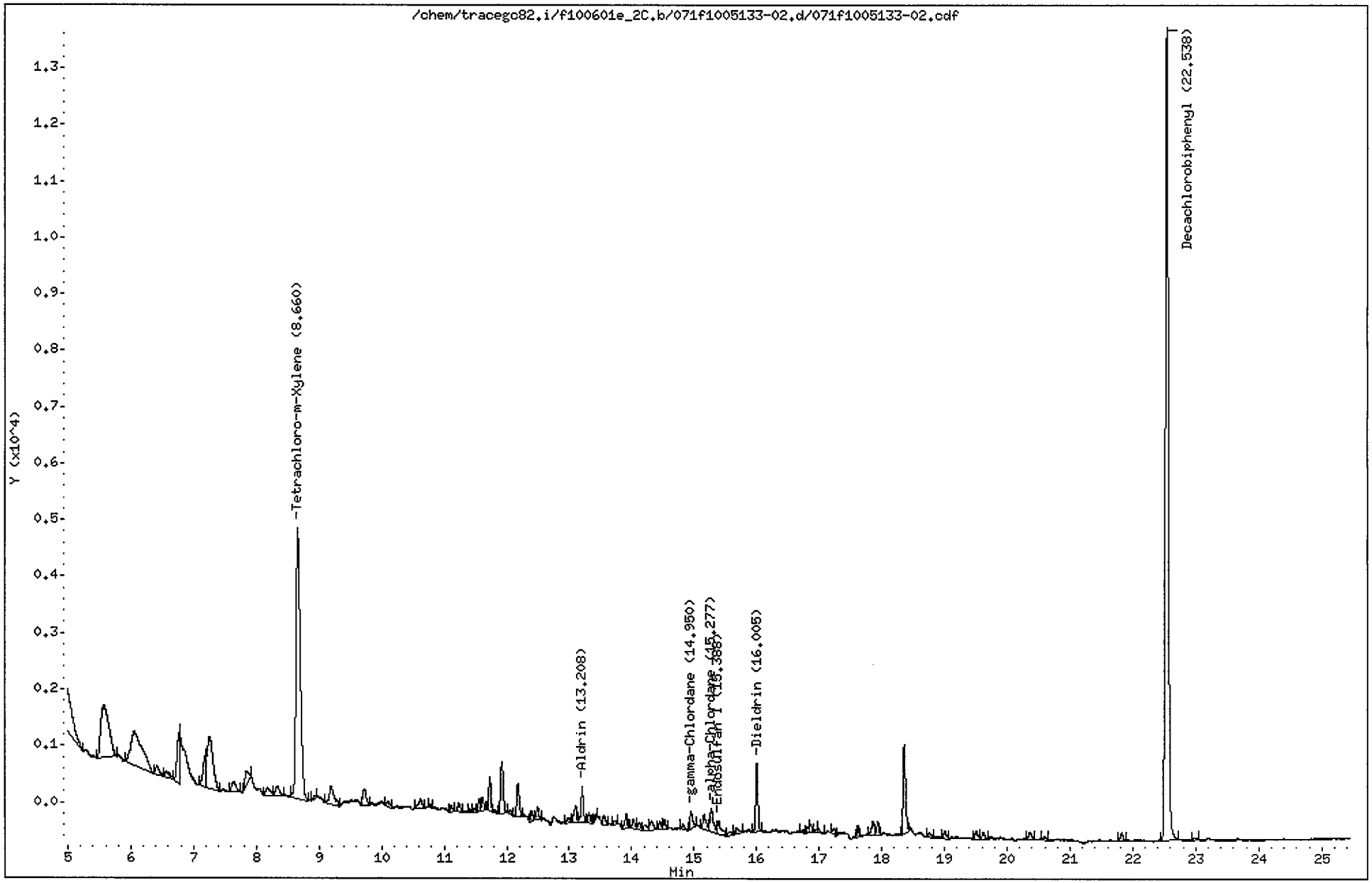
Sample Info: 1005133-02

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-02 Client Smp Id : SB74-4-5
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 01:47 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601e_2C.b/8081A_clpest2v6.m
Misc. Info : SB74-4-5

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 8(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.37			356								
1.53			28876								
2.08			1047263								
3.17			47019								
3.52			113832								
4.27			173								
4.89			19427								
5.57			8318								
6.05			7899								
6.42			737								
6.57			595								
6.78			2402								
7.18			1922								
7.26			5895								
7.63			856								
7.84			823								
8.17			773								
8.33			717								
8.66	8.59	8.73	22618	548876	Tetrachloro-m-Xylene	0.041206	7.464860		68.7*	70 - 125	R
8.94			131								
9.19			1812								
9.72			1049								
10.10			314								
10.62			677								
10.78			163								
11.11			280								
11.23			420								
11.41			123								
11.47			190								
11.56			491								
11.61			531								
11.73			1394								
11.80			150								
11.92			2683								
12.05			190								
12.18			1691								
12.40			377								

6/4/10

CompuChem

Lab Smp Id : 1005133-02 Client Smp Id : SB74-4-5
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 01:47 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601e_2C.b/8081A_clpest2v6.m
Misc. Info : SB74-4-5

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 8(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.50		552								
12.99		253								
13.10		890								
13.21	13.10 13.24	1523	726628	Aldrin	0.002096	0.379707	1.847826			J
13.31		375								
13.42		198								
13.56		389								
13.73		145								
13.91		686								
14.03		551								
14.12		368								
14.21		392								
14.32		669								
14.45		373								
14.52		403								
14.83		226								
14.95	14.88 15.02	884	690205	gamma-Chlordane	0.001279	0.231763	1.847826			J
15.16		861								
15.28	15.21 15.35	1537	595455	alpha-Chlordane	0.002581	0.467612	1.847826			J
15.39	15.33 15.47	1054	638725	Endosulfan I	0.001649	0.298659	1.847826			J
15.59		260								
15.69		400								
16.00	15.94 16.08	2853	598394	Dieldrin	0.004766	0.863423	3.586957			J
16.75		160								
16.82		216								
16.86		382								
16.95		148								
16.99		221								
17.23		289								
17.62		445								
17.86		730								
17.94		572								
18.36		4259								
18.76		242								
19.00		446								
19.51		440								
19.62		372								

CompuChem

Lab Smp Id : 1005133-02 Client Smp Id : SB74-4-5
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 01:47 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601e_2C.b/8081A_clpest2v6.m
Misc. Info : SB74-4-5

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 8(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
20.36		455								
20.59		171								
21.82		400								
22.54	22.47 22.61	47516	497254	Decachlorobiphenyl	0.095557	17.31100		79.6	55 - 130	
23.01		192								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB75-3.5-4.5

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/03/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	2.0	U
319-84-6	alpha-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
72-54-8	4,4'-DDD	3.9	U
72-55-9	4,4'-DDE	3.9	U
50-29-3	4,4'-DDT	3.9	U
60-57-1	Dieldrin	3.9	U
959-98-8	Endosulfan I	2.0	U
33213-65-9	Endosulfan II	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
72-20-8	Endrin	3.9	U
7421-93-4	Endrin Aldehyde	3.9	U
76-44-8	Heptachlor	2.0	U
1024-57-3	Heptachlor Epoxide	0.27	JP
72-43-5	Methoxychlor	20	U
8001-35-2	Toxaphene	98	U
53494-70-5	Endrin Ketone	3.9	U
5103-74-2	gamma-Chlordane	2.0	U
5103-71-9	alpha-Chlordane	0.29	JP

FORM I PEST

Data File: /chem/tracegc82.i/f100601e.b/073f1005133-04.d

Page 1

Date : 03-JUN-2010 02:45

Client ID: SB75-3.5-4.5

Instrument: tracegc82.i

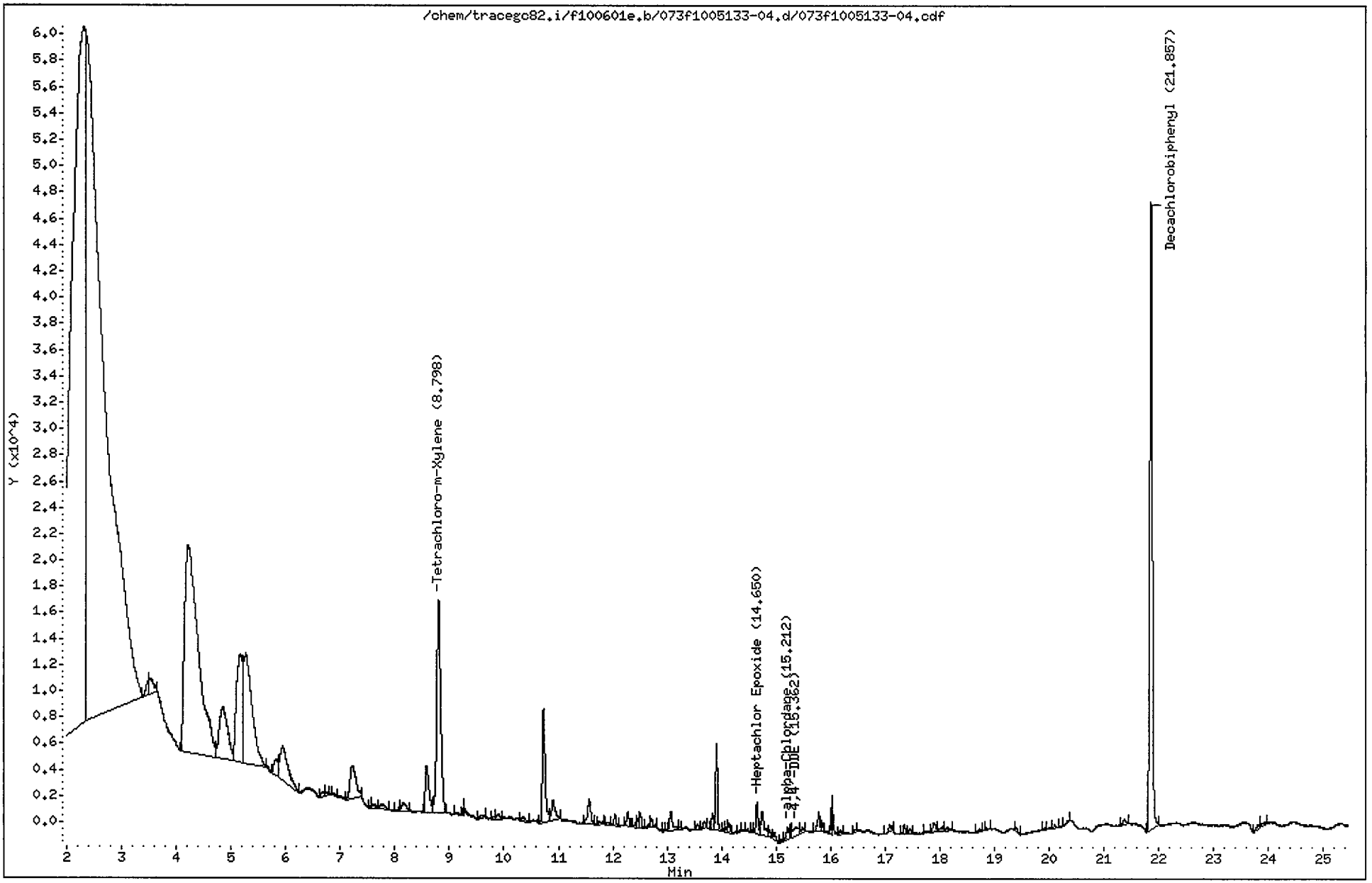
Sample Info: 1005133-04

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-04 Client Smp Id : SB75-3.5-4.5
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 02:45 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601e.b/8081A_clpestv6.m
Misc. Info : SB75-3.5-4.5

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.49			14163								
1.65			431								
2.29			1027045								
2.37			1187676								
3.49			3457								
3.54			7045								
4.21			277907								
4.86			41836								
5.17			64497								
5.27			91659								
5.82			6485								
5.94			26564								
6.68			1225								
6.75			815								
6.86			714								
7.22			18297								
7.57			334								
7.61			1579								
7.75			2364								
8.08			850								
8.15			3397								
8.58			16895								
8.80	8.73	8.87	82690	1587700	Tetrachloro-m-Xylene	0.052082	10.21209		86.8	70 - 125	
9.13			554								
9.27			1150								
9.59			1140								
9.81			512								
9.90			1531								
10.35			1598								
10.73			30641								
10.90			7023								
11.56			7427								
11.76			1328								
11.90			834								
12.04			2718								
12.28			3130								
12.41			646								

CompuChem

Lab Smp Id : 1005133-04 Client Smp Id : SB75-3.5-4.5
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 02:45 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601e.b/8081A_clpestv6.m
Misc. Info : SB75-3.5-4.5

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.46		1839								
12.51		2872								
12.68		619								
12.72		2009								
12.94		334								
13.06		6044								
13.23		718								
13.56		1350								
13.68		1516								
13.84		3202								
13.91		15497								
14.04		494								
14.09		759								
14.13		1734								
14.33		292								
14.47		464								
14.57		451								
14.65	14.56 14.70	6626	2235460	Heptachlor Epoxide	0.002964	0.581185	2.000000			J
14.75		7803								
14.88		1363								
14.96		1648								
15.09		521								
15.21	15.15 15.29	2819	1924148	alpha-Chlordane	0.001465	0.287166	2.000000			J
15.28		1095								
15.36	15.34 15.48	5050	2012896	4,4'-DDE	0.002509	0.491926	3.882353			J
15.49		1279								
15.79		4326								
15.87		1991								
16.03		2957								
16.18		768								
16.45		516								
17.08		2196								
17.35		2157								
17.45		1182								
17.77		351								
17.90		2891								
18.04		1674								

CompuChem

Lab Smp Id : 1005133-04 Client Smp Id : SB75-3.5-4.5
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 02:45 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601e.b/8081A_clpestv6.m
Misc. Info : SB75-3.5-4.5

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
18.14		1074								
18.74		600								
18.86		549								
19.40		772								
19.93		452								
20.10		805								
20.37		532								
21.37		1363								
21.86	21.79 21.93	157707	1622138	Decachlorobiphenyl	0.097222	19.06307		81.0	55 - 130	
23.84		1611								
23.92		1149								

Data File: /chem/tracegc82.i/f100601e_2C.b/073f1005133-04.d

Page 1

Date : 03-JUN-2010 02:45

Client ID: SB75-3.5-4.5

Instrument: tracegc82.i

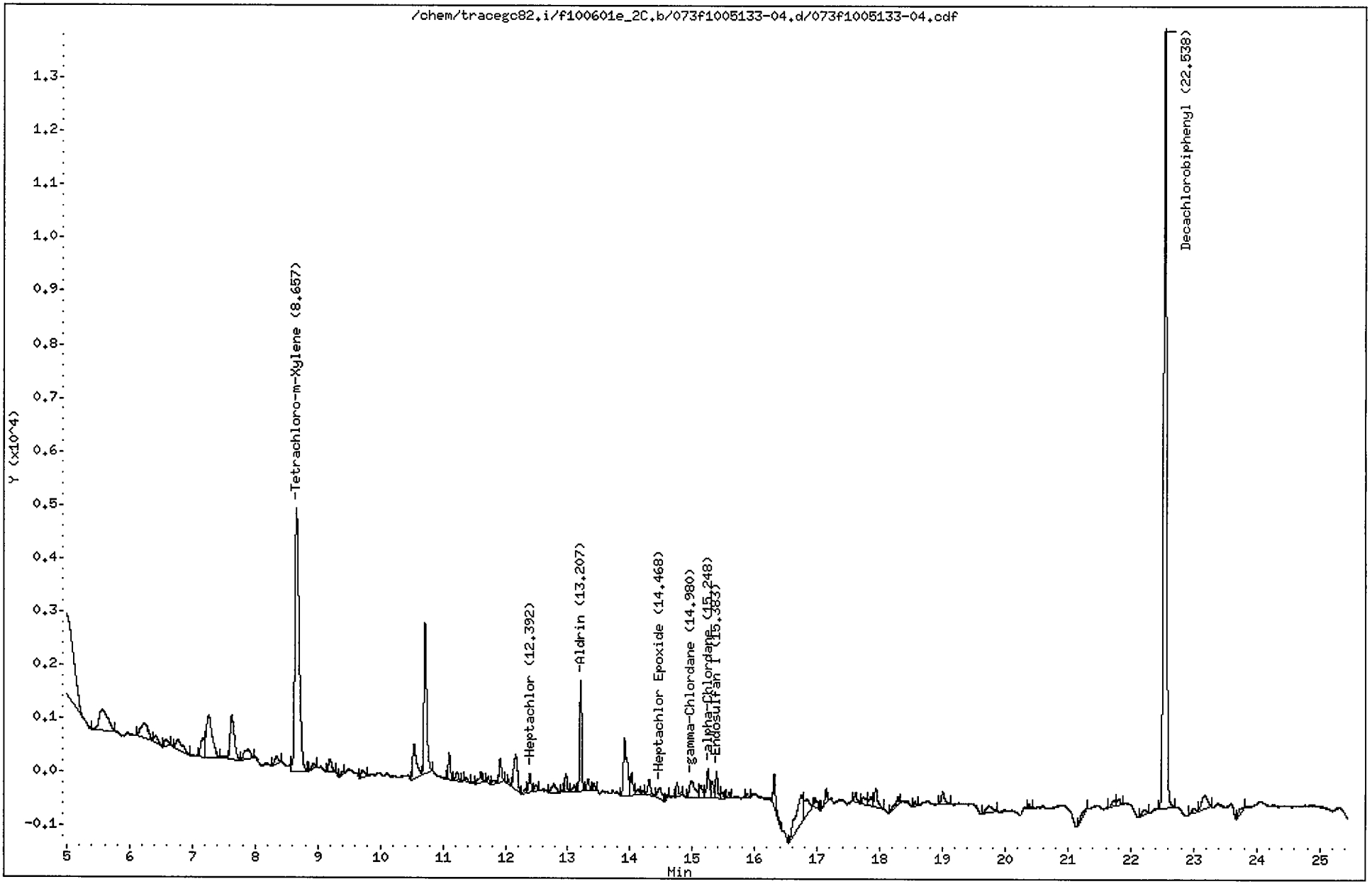
Sample Info: 1005133-04

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-04 Client Smp Id : SB75-3.5-4.5
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 02:45 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601e_2C.b/8081A_clpest2v6.m
Misc. Info : SB75-3.5-4.5

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.36			450								
2.08			1002522								
3.16			42051								
3.51			113711								
4.33			16489								
4.88			43979								
5.56			4032								
6.24			2306								
6.41			543								
6.57			484								
6.77			1310								
7.17			1408								
7.26			5330								
7.63			3820								
7.89			1219								
8.35			573								
8.66	8.59	8.73	23172	548876	Tetrachloro-m-Xylene	0.042217	8.277915		70.4	70 - 125	M
8.94			298								
9.19			921								
9.39			178								
9.72			525								
10.54			2632								
10.71			8514								
11.10			1174								
11.22			556								
11.37			216								
11.61			619								
11.72			251								
11.81			305								
11.91			1106								
12.05			192								
12.16			2779								
12.33			245								
12.39	12.33	12.47	934	778205	Heptachlor	0.001200	0.235333	2.000000			J
12.49			323								
12.78			870								
12.97			864								

CompuChem

Lab Smp Id : 1005133-04 Client Smp Id : SB75-3.5-4.5
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 02:45 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601e_2C.b/8081A_clpest2v6.m
Misc. Info : SB75-3.5-4.5

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
13.11		405								
13.21	13.10 13.24	4558	726628	Aldrin	0.006273	1.229964	2.000000			J
13.32		630								
13.42		348								
13.91		4466								
14.03		1147								
14.12		312								
14.20		168								
14.30		952								
14.47	14.45 14.59	930	683115	Heptachlor Epoxide	0.001361	0.266943	2.000000			J
14.59		135								
14.76		734								
14.98	14.88 15.02	1909	690205	gamma-Chlordane	0.002766	0.542323	2.000000			J
15.13		889								
15.25	15.21 15.35	1557	595455	alpha-Chlordane	0.002613	0.512378	2.000000			J
15.32		869								
15.38	15.33 15.47	1232	638725	Endosulfan I	0.001929	0.378204	2.000000			J
15.48		302								
15.59		216								
15.88		196								
16.31		1718								
16.75		4538								
16.84		1721								
16.96		623								
17.14		629								
17.61		473								
17.74		659								
17.86		597								
17.93		1209								
18.29		629								
18.56		181								
19.00		866								
19.74		750								
20.38		130								
21.30		472								
21.73		445								
21.82		472								

CompuChem

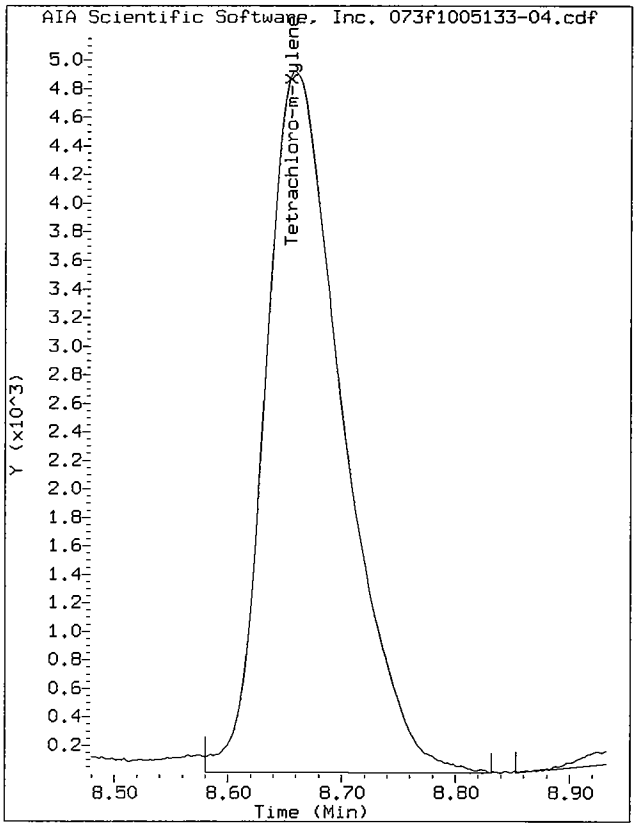
Lab Smp Id : 1005133-04 Client Smp Id : SB75-3.5-4.5
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 02:45 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601e_2C.b/8081A_clpest2v6.m
Misc. Info : SB75-3.5-4.5

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
22.22		406								
22.54	22.47 22.61	47592	497254	Decachlorobiphenyl	0.095708	18.76618		79.8	55 - 130	
22.99		348								
23.17		1757								
23.81		427								

Manually Integrated Peaks



Start: 8.58 Stop: 8.83

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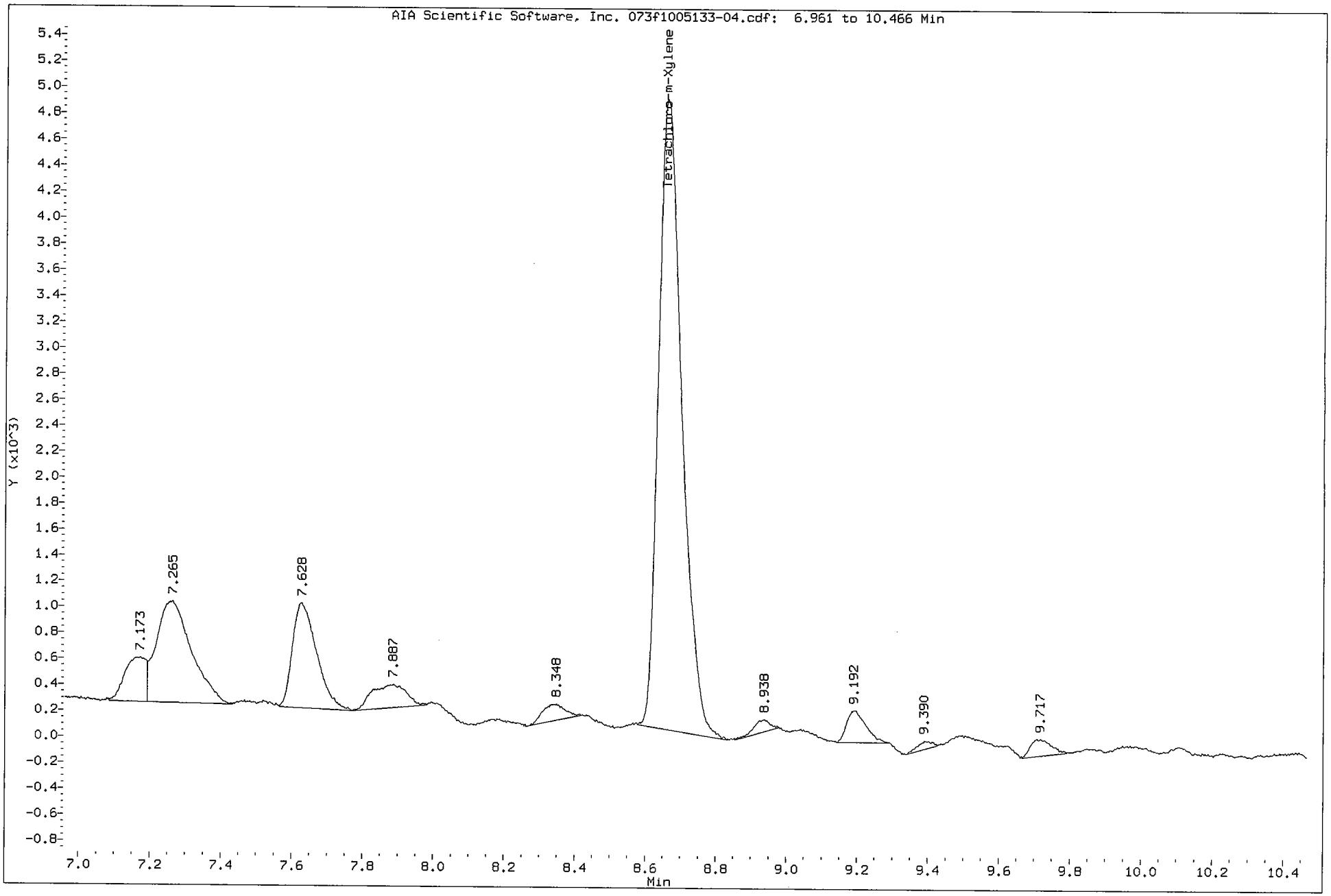
Injection Date: 03-JUN-2010 02:45
Instrument: tracegc82.i
Client Sample ID: SB75-3.5-4.5



1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB76-6-7

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-17

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 17 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

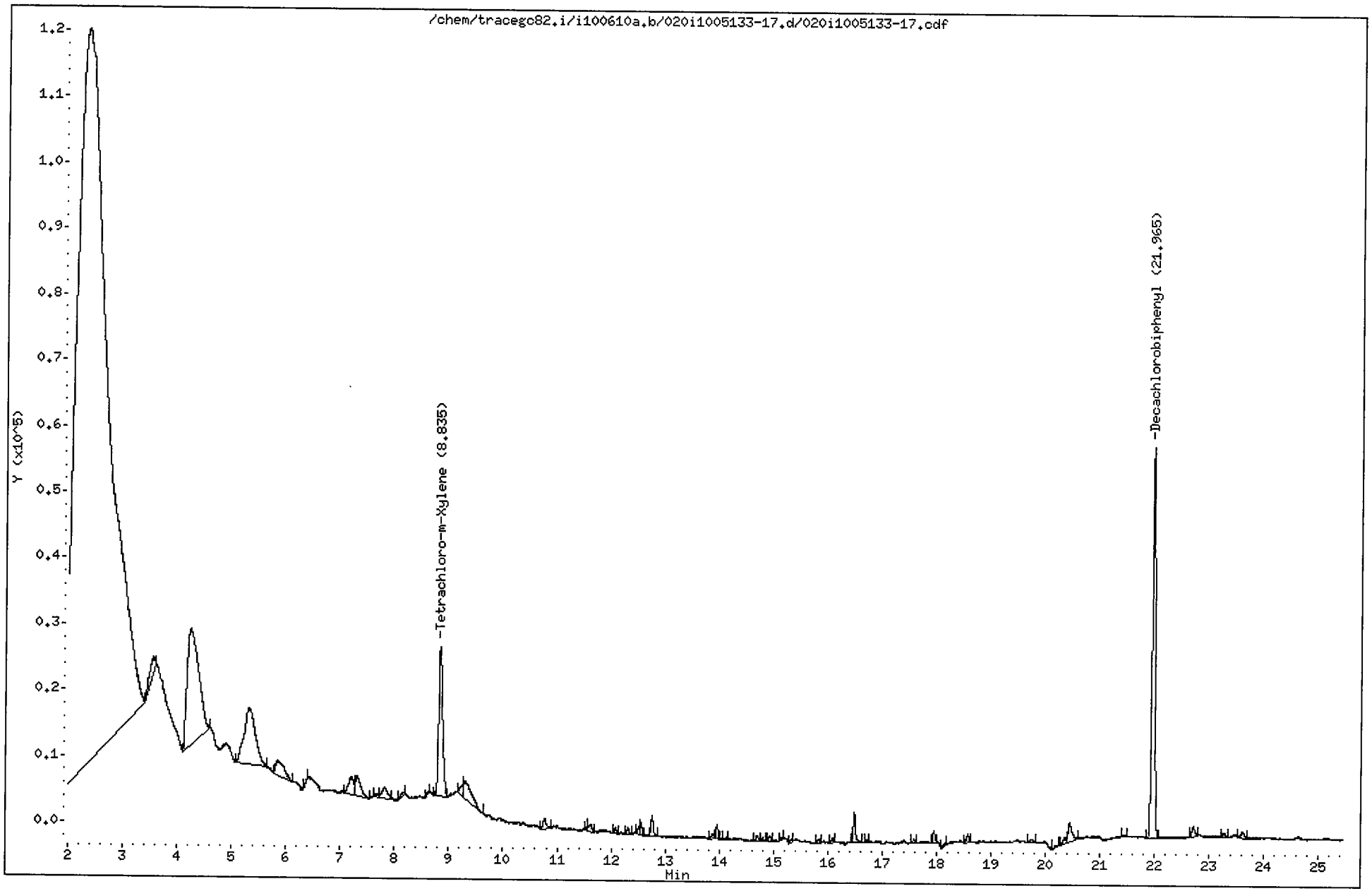
GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	2.0	U
319-84-6	alpha-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
72-54-8	4,4'-DDD	4.0	U
72-55-9	4,4'-DDE	4.0	U
50-29-3	4,4'-DDT	4.0	U
60-57-1	Dieldrin	4.0	U
959-98-8	Endosulfan I	2.0	U
33213-65-9	Endosulfan II	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
72-20-8	Endrin	4.0	U
7421-93-4	Endrin Aldehyde	4.0	U
76-44-8	Heptachlor	2.0	U
1024-57-3	Heptachlor Epoxide	2.0	U
72-43-5	Methoxychlor	20	U
8001-35-2	Toxaphene	100	U
53494-70-5	Endrin Ketone	4.0	U
5103-74-2	gamma-Chlordane	2.0	U
5103-71-9	alpha-Chlordane	2.0	U

Data File: /chem/tracegc82.i/i100610a.b/020i1005133-17.d
Date : 11-JUN-2010 01:44
Client ID: SB76-6-7
Sample Info: 1005133-17
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-17 Client Smp Id : SB76-6-7
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 01:44 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610a.b/8081A_clpestv6.m
Misc. Info : SB76-6-7

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 17(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.39			1425								
1.49			57804								
2.33			4511250								
3.55			21645								
4.23			261475								
5.31			125773								
5.85			24704								
6.39			882								
7.20			17320								
7.31			21009								
7.64			1886								
7.81			10315								
8.15			1962								
8.62			931								
8.75			947								
8.84	8.77	8.91	112605	2945399	Tetrachloro-m-Xylene	0.038231	7.676871		63.7*	70 - 125	R
9.25			6479								
9.29			29168								
10.77			6259								
11.55			821								
11.62			4754								
12.09			2524								
12.32			2944								
12.52			2146								
12.55			5004								
12.76			8979								
13.87			1982								
13.96			4966								
14.09			1071								
14.70			2224								
14.80			1194								
14.93			1862								
15.14			930								
15.34			1215								
15.84			1607								
16.09			1712								
16.49			13007								

KEH 6/11/10

CompuChem

Lab Smp Id : 1005133-17
Client Smp Id : SB76-6-7
Sample Type : SAMPLE
Sublist : DODPEST
Inj Date : 11-JUN-2010 01:44
Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610a.b/8081A_clpestv6.m
Misc. Info : SB76-6-7

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

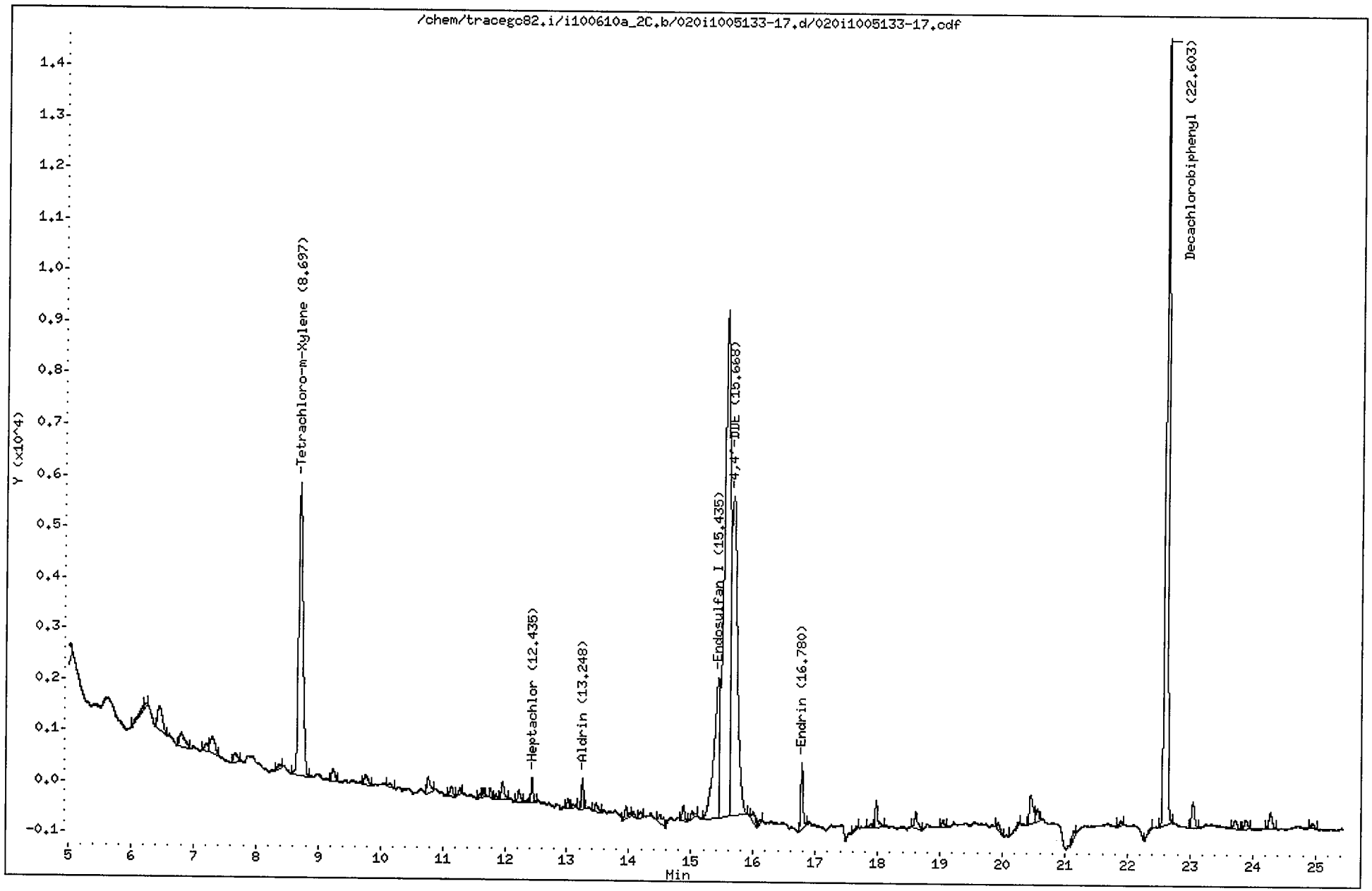
DF Dilution Factor: 1.0
Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul)
Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g)
M Moisture: 17(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
16.71		1132								
17.59		1485								
17.95		4780								
18.15		982								
18.58		3679								
19.75		2148								
20.20		1183								
20.36		3574								
20.44		15187								
21.46		848								
21.96	21.90 22.04	217744	2320776	Decachlorobiphenyl	0.093824	18.84012		78.2	55 - 130	
22.71		5899								
23.27		2029								
23.61		3943								

Data File: /chem/tracegc82.i/i100610a_2C.b/020i1005133-17.d
Date : 11-JUN-2010 01:44
Client ID: SB76-6-7
Sample Info: 1005133-17
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-17 Client Smp Id : SB76-6-7
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 01:44 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610a_2C.b/8081A_clpest2v6.m
Misc. Info : SB76-6-7

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF	Dilution Factor: 1.0	Uf	GPC Unit Factor: 1
Vt	Final Volume: 5000(ul)	Vi	Injection Volume: 1(ul)
Ws	Sample Weight: 30.0(g)	M	Moisture: 17(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.37			1321								
1.56			11516								
2.08			68894								
3.19			20634								
3.54			64331								
4.39			647								
4.90			4472								
6.19			681								
6.24			249								
6.46			2697								
6.80			1705								
7.20			588								
7.29			1838								
7.67			799								
8.38			294								
8.70	8.63	8.77	27163	708805	Tetrachloro-m-Xylene	0.038322	7.695228		63.9*	70 - 125	R
9.23			946								
9.76			846								
10.15			295								
10.77			1098								
11.14			669								
11.27			369								
11.60			187								
11.65			398								
11.77			341								
11.85			261								
11.96			1172								
12.22			756								
12.33			211								
12.44	12.38	12.52	1080	997000	Heptachlor	0.001082	0.217319	2.048193			J
13.02			422								
13.09			254								
13.25	13.15	13.29	1293	934385	Aldrin	0.001384	0.277871	2.048193			J
13.46			594								
13.95			790								
14.07			262								
14.19			334								

6/11/10

CompuChem

Lab Smp Id : 1005133-17 Client Smp Id : SB76-6-7
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 01:44 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610a_2C.b/8081A_clpest2v6.m
Misc. Info : SB76-6-7

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 17(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
14.50		892								
14.88		817								
15.02		487								
15.44	15.37 15.51	17746	789088	Endosulfan I	0.022489	4.515917	2.048193			
15.55		66183								
15.67	15.66 15.80	40493	742671	4,4'-DDE	0.054522	10.94821	3.975904			
16.00		682								
16.11		264								
16.78	16.65 16.79	3370	615390	Endrin	0.005476	1.099639	3.975904			J
17.66		297								
17.89		242								
17.98		1413								
18.61		1042								
19.05		405								
19.93		564								
20.25		240								
20.45		2365								
20.57		695								
21.14		428								
21.89		236								
22.39		340								
22.60	22.53 22.67	49455	535699	Decachlorobiphenyl	0.092317	18.53749		76.9	55 - 130	
23.05		1761								
23.72		614								
23.90		624								
24.28		1171								
24.96		374								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB87-3-4

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-19

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 26 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

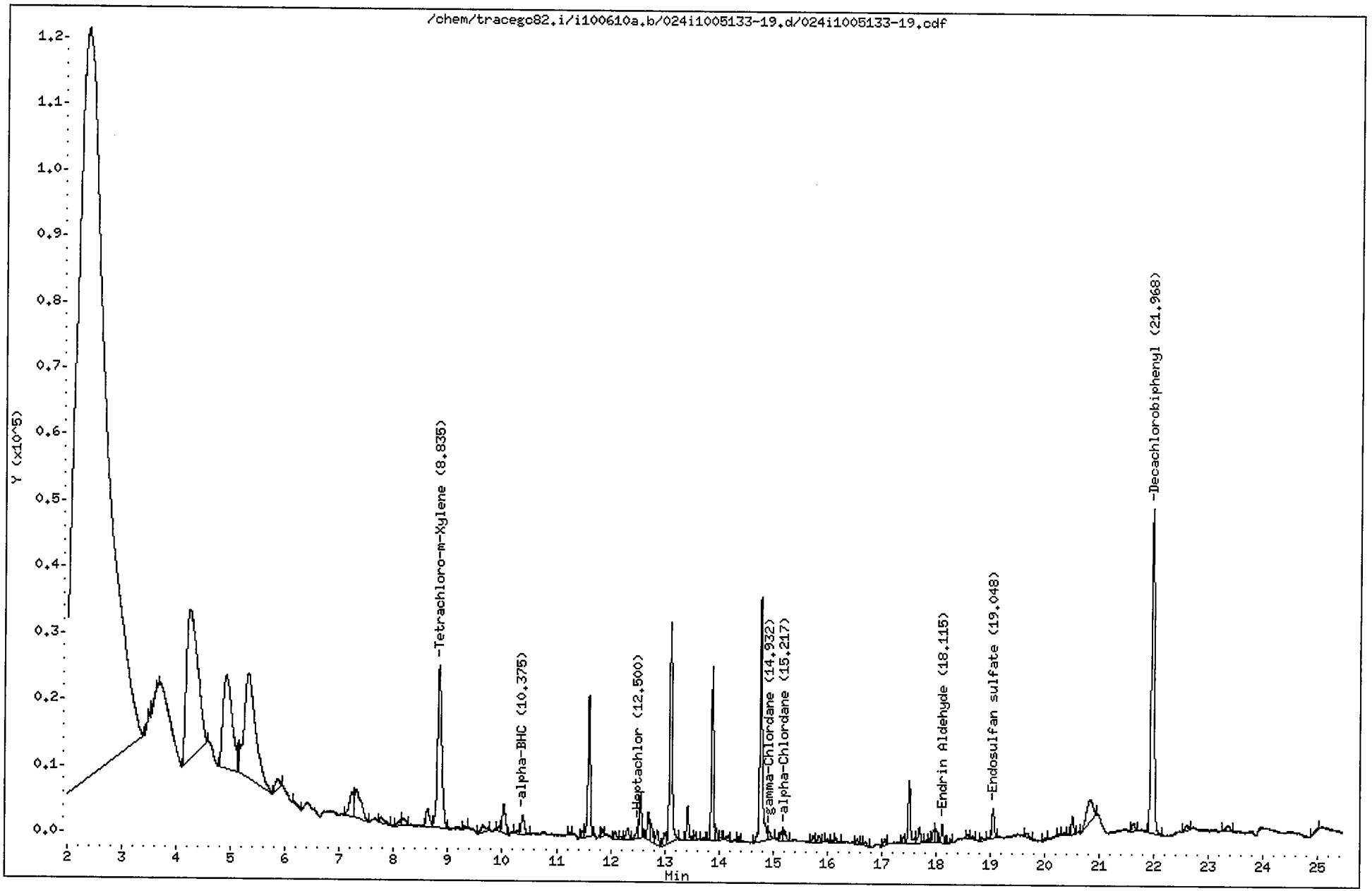
GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.3	U
319-85-7	beta-BHC	2.3	U
319-84-6	alpha-BHC	0.27	JP
319-86-8	delta-BHC	2.3	U
58-89-9	gamma-BHC (Lindane)	2.3	U
72-54-8	4,4'-DDD	4.5	U
72-55-9	4,4'-DDE	4.5	U
50-29-3	4,4'-DDT	4.5	U
60-57-1	Dieldrin	4.5	U
959-98-8	Endosulfan I	2.3	U
33213-65-9	Endosulfan II	4.5	U
1031-07-8	Endosulfan sulfate	4.5	U
72-20-8	Endrin	4.5	U
7421-93-4	Endrin Aldehyde	0.52	JP
76-44-8	Heptachlor	0.23	JP
1024-57-3	Heptachlor Epoxide	2.3	U
72-43-5	Methoxychlor	23	U
8001-35-2	Toxaphene	110	U
53494-70-5	Endrin Ketone	4.5	U
5103-74-2	gamma-Chlordane	0.26	JP
5103-71-9	alpha-Chlordane	0.28	J

Data File: /chem/tracegc82.i/i100610a.b/024i1005133-19.d
Date : 11-JUN-2010 03:40
Client ID: SB87-3-4
Sample Info: 1005133-19
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-19 Client Smp Id : SB87-3-4
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 03:40 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610a.b/8081A_clpestv6.m
Misc. Info : SB87-3-4

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 26(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.49			114440								
2.34			4310006								
3.48			977								
3.62			2418								
3.65			949								
4.24			319015								
4.91			161562								
5.14			8244								
5.33			232185								
5.85			8486								
6.16			2039								
7.23			19287								
7.31			35693								
7.77			4521								
8.13			3141								
8.18			5613								
8.62			13175								
8.84	8.77	8.91	129401	2945399	Tetrachloro-m-Xylene	0.043933	9.894805		73.2	70 - 125	
9.30			1339								
9.65			6180								
9.93			1898								
10.03			18157								
10.29			1603								
10.38	10.35	10.49	12506	5709948	alpha-BHC	0.002190	0.493252	2.297297			J
11.25			894								
11.48			3113								
11.60			64647								
11.84			3125								
12.08			3349								
12.19			787								
12.31			6201								
12.50	12.42	12.56	4937	4844272	Heptachlor	0.001019	0.229490	2.297297			J
12.55			18037								
12.70			13283								
12.75			7861								
12.86			7952								
13.00			7059								

CompuChem

Lab Smp Id : 1005133-19
Client Smp Id : SB87-3-4
Sample Type : SAMPLE
Sublist : DODPEST
Inj Date : 11-JUN-2010 03:40
Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610a.b/8081A_clpestv6.m
Misc. Info : SB87-3-4

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0
Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul)
Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g)
M Moisture: 26(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
13.11		104849								
13.43		15495								
13.56		2010								
13.71		819								
13.88		68559								
13.95		4624								
14.04		866								
14.13		2367								
14.37		1770								
14.77		116925								
14.93	14.89 15.03	4623	4028032	gamma-Chlordane	0.001147	0.258437	2.297297			J
15.15		3971								
15.22	15.20 15.34	5603	3452365	alpha-Chlordane	0.001623	0.365528	2.297297			J
15.75		3231								
15.85		2998								
16.00		1396								
16.09		1086								
16.16		1978								
16.55		2210								
16.70		1426								
17.07		2426								
17.40		2601								
17.51		28589								
17.70		8243								
17.83		937								
17.89		1411								
17.95		5768								
18.00		5724								
18.12	17.99 18.13	8159	2244869	Endrin Aldehyde	0.003635	0.818584	4.459459			J
18.26		1625								
18.59		1656								
18.67		1078								
18.83		2141								
19.05	18.96 19.10	13299	2454690	Endosulfan sulfate	0.005417	1.220132	4.459459			J
19.68		2465								
20.02		898								
20.26		831								

CompuChem

Lab Smp Id : 1005133-19 Client Smp Id : SB87-3-4
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 03:40 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610a.b/8081A_clpestv6.m
Misc. Info : SB87-3-4

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 26(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
20.36		1468								
20.50		7962								
20.82		27197								
21.62		4349								
21.97	21.90 22.04	187372	2320776	Decachlorobiphenyl	0.080737	18.18396		67.3	55 - 130	
22.60		3173								
23.36		4495								
25.00		1025								

Data File: /chem/tracegc82.i/i100610a_2C.b/024i1005133-19.d

Page 1

Date : 11-JUN-2010 03:40

Client ID: SB87-3-4

Instrument: tracegc82.i

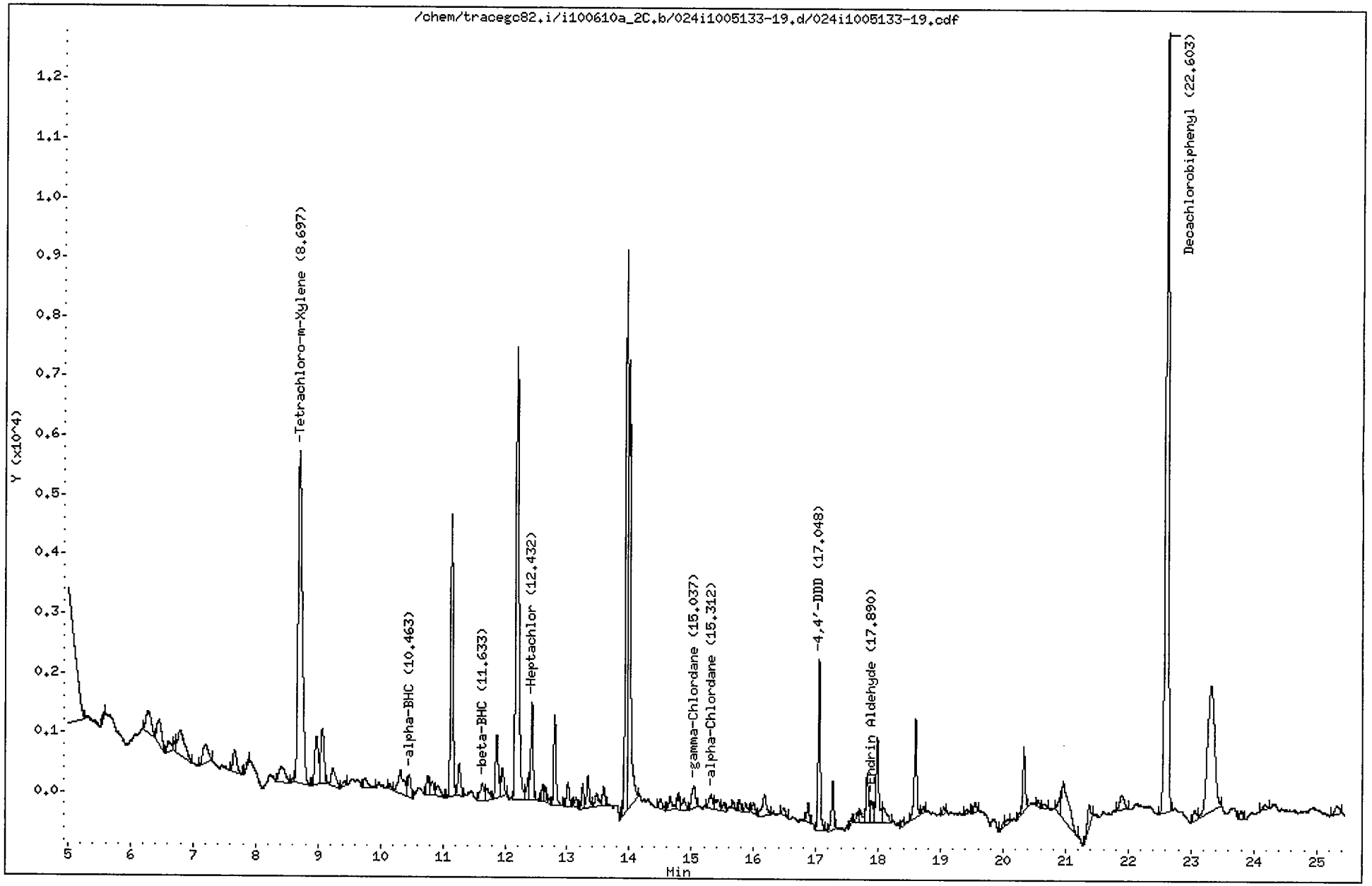
Sample Info: 1005133-19

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-19 Client Smp Id : SB87-3-4
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 03:40 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610a_2C.b/8081A_clpest2v6.m
Misc. Info : SB87-3-4

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 26(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.04			244								
1.14			190								
1.33			1419								
1.52			45300								
2.12			1266994								
3.19			56007								
3.35			9767								
3.53			194888								
4.38			75891								
4.89			51720								
5.58			271								
6.28			2341								
6.45			2068								
6.61			737								
6.71			538								
6.79			3306								
7.20			1841								
7.67			1610								
7.88			248								
8.41			1843								
8.60			189								
8.70	8.63	8.77	26271	708805	Tetrachloro-m-Xylene	0.037062	8.347380		61.8*	70 - 125	R
8.97			3254								
9.07			3509								
9.23			1615								
9.41			272								
9.75			893								
10.15			283								
10.32			2447								
10.46	10.36	10.50	1430	1189972	alpha-BHC	0.001201	0.270466	2.297297			J
10.75			1079								
10.83			811								
10.92			844								
11.14			12690								
11.26			1676								
11.63	11.55	11.69	1247	437132	beta-BHC	0.002850	0.641981	2.297297			J
11.71			856								

6/11/10

CompuChem

Lab Smp Id : 1005133-19 Client Smp Id : SB87-3-4
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 03:40 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610a_2C.b/8081A_clpest2v6.m
Misc. Info : SB87-3-4

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 26(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.87		3418								
11.96		1429								
12.19		25722								
12.37		973								
12.43	12.38 12.52	4338	997000	Heptachlor	0.004351	0.979967	2.297297			J
12.60		606								
12.65		534								
12.70		192								
12.80		3944								
13.01		1214								
13.14		448								
13.24		909								
13.33		1614								
13.47		990								
13.58		910								
13.88		334								
13.95		22934								
13.99		20272								
14.49		661								
14.65		923								
14.79		778								
14.88		749								
15.04	14.93 15.07	1659	865155	gamma-Chlordane	0.001918	0.431886	2.297297			J
15.31	15.26 15.40	924	736405	alpha-Chlordane	0.001255	0.282600	2.297297			J
15.39		788								
15.52		397								
15.67		282								
15.77		479								
15.87		381								
15.99		654								
16.17		1841								
16.48		424								
16.88		888								
17.05	16.92 17.06	6864	531489	4,4'-DDD	0.012913	2.908285	4.459459			J
17.27		2059								
17.56		209								
17.66		428								

CompuChem

Lab Smp Id : 1005133-19 Client Smp Id : SB87-3-4
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 03:40 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610a_2C.b/8081A_clpest2v6.m
Misc. Info : SB87-3-4

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 26(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
17.71		588								
17.82		2377								
17.89	17.85 17.99	1135	494934	Endrin Aldehyde	0.002293	0.516495	4.459459			J
17.98		4491								
18.09		1197								
18.39		212								
18.59		4525								
18.73		271								
19.05		240								
19.43		212								
19.55		533								
20.00		255								
20.09		262								
20.26		171								
20.33		2783								
20.56		252								
20.66		266								
20.91		992								
20.96		4881								
21.38		1368								
21.89		1256								
22.60	22.53 22.67	43856	535699	Decachlorobiphenyl	0.081867	18.43848		68.2	55 - 130	
23.06		678								
23.32		16428								
23.80		505								
24.18		397								
25.33		765								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB88-2.5-3.5

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-15

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 27 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

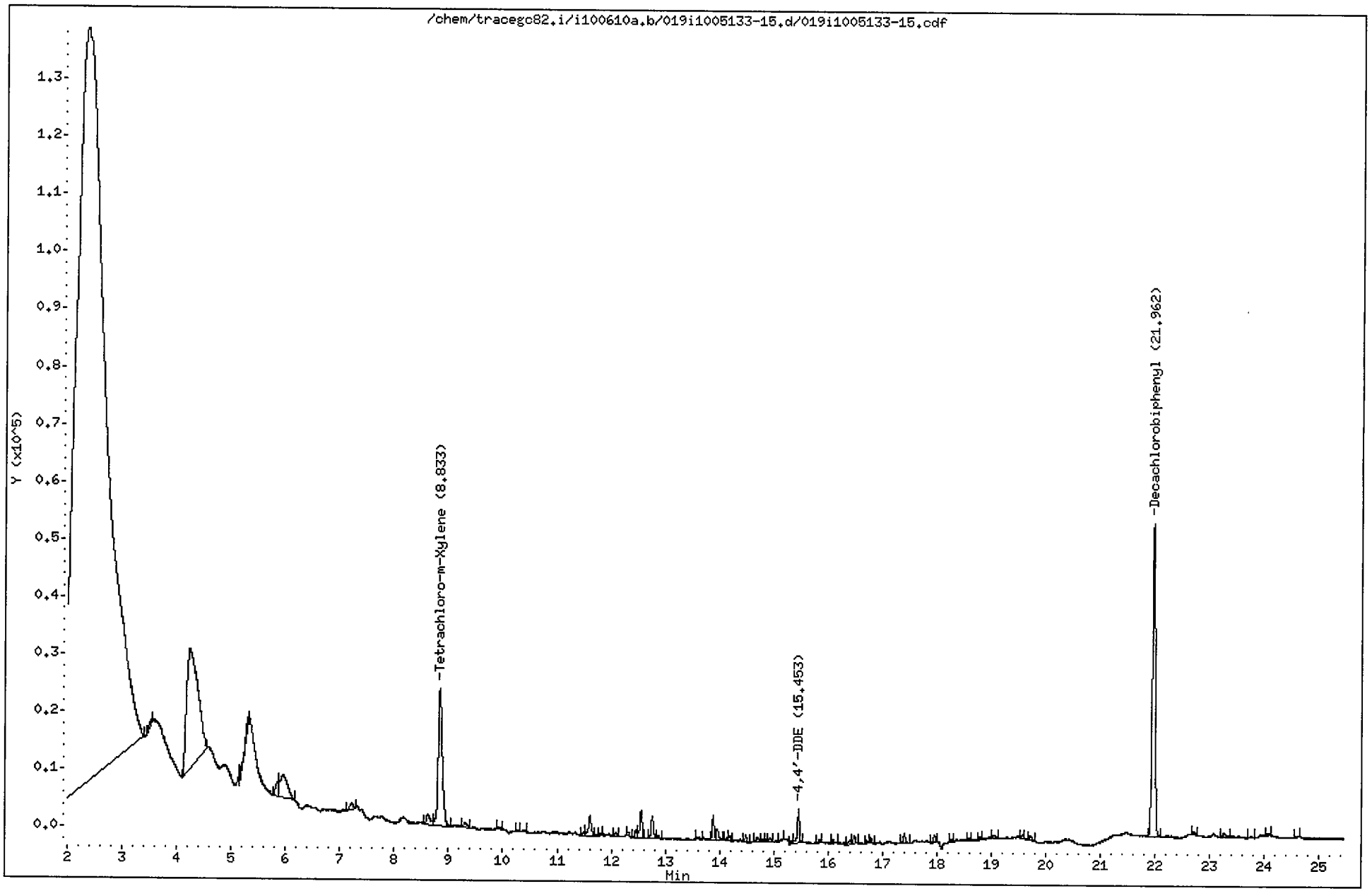
GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.3	U
319-85-7	beta-BHC	2.3	U
319-84-6	alpha-BHC	2.3	U
319-86-8	delta-BHC	2.3	U
58-89-9	gamma-BHC (Lindane)	2.3	U
72-54-8	4,4'-DDD	4.5	U
72-55-9	4,4'-DDE	0.98	J
50-29-3	4,4'-DDT	4.5	U
60-57-1	Dieldrin	4.5	U
959-98-8	Endosulfan I	2.3	U
33213-65-9	Endosulfan II	4.5	U
1031-07-8	Endosulfan sulfate	4.5	U
72-20-8	Endrin	4.5	U
7421-93-4	Endrin Aldehyde	4.5	U
76-44-8	Heptachlor	2.3	U
1024-57-3	Heptachlor Epoxide	2.3	U
72-43-5	Methoxychlor	23	U
8001-35-2	Toxaphene	110	U
53494-70-5	Endrin Ketone	4.5	U
5103-74-2	gamma-Chlordane	2.3	U
5103-71-9	alpha-Chlordane	2.3	U

Data File: /chem/tracegc82.i/i100610a.b/019i1005133-15.d
Date : 11-JUN-2010 01:15
Client ID: SB88-2.5-3.5
Sample Info: 1005133-15
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-15 Client Smp Id : SB88-2.5-3.5
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 01:15 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610a.b/8081A_clpestv6.m
Misc. Info : SB88-2.5-3.5

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 27(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
0.07			2998								
1.49			100192								
2.33			5112482								
3.54			3769								
4.24			292664								
5.30			13119								
5.86			10976								
5.95			37327								
7.22			4822								
8.63			8131								
8.83	8.77	8.91	124827	2945399	Tetrachloro-m-Xylene	0.042380	9.675877		70.6	70 - 125	
9.30			3478								
9.94			1106								
10.27			970								
10.37			1246								
11.49			1471								
11.60			12277								
11.80			1037								
12.09			1876								
12.31			2083								
12.46			3382								
12.55			14648								
12.76			10861								
12.86			1230								
13.61			1169								
13.88			10763								
13.96			6009								
14.14			1572								
14.19			2080								
14.48			2671								
14.71			2953								
14.80			1211								
14.93			1687								
15.15			1053								
15.33			1577								
15.45	15.39	15.53	15991	3488364	4,4'-DDE	0.004584	1.046532	4.520548			J
15.85			1649								

CompuChem

Lab Smp Id : 1005133-15 Client Smp Id : SB88-2.5-3.5
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 01:15 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610a.b/8081A_clpestv6.m
Misc. Info : SB88-2.5-3.5

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

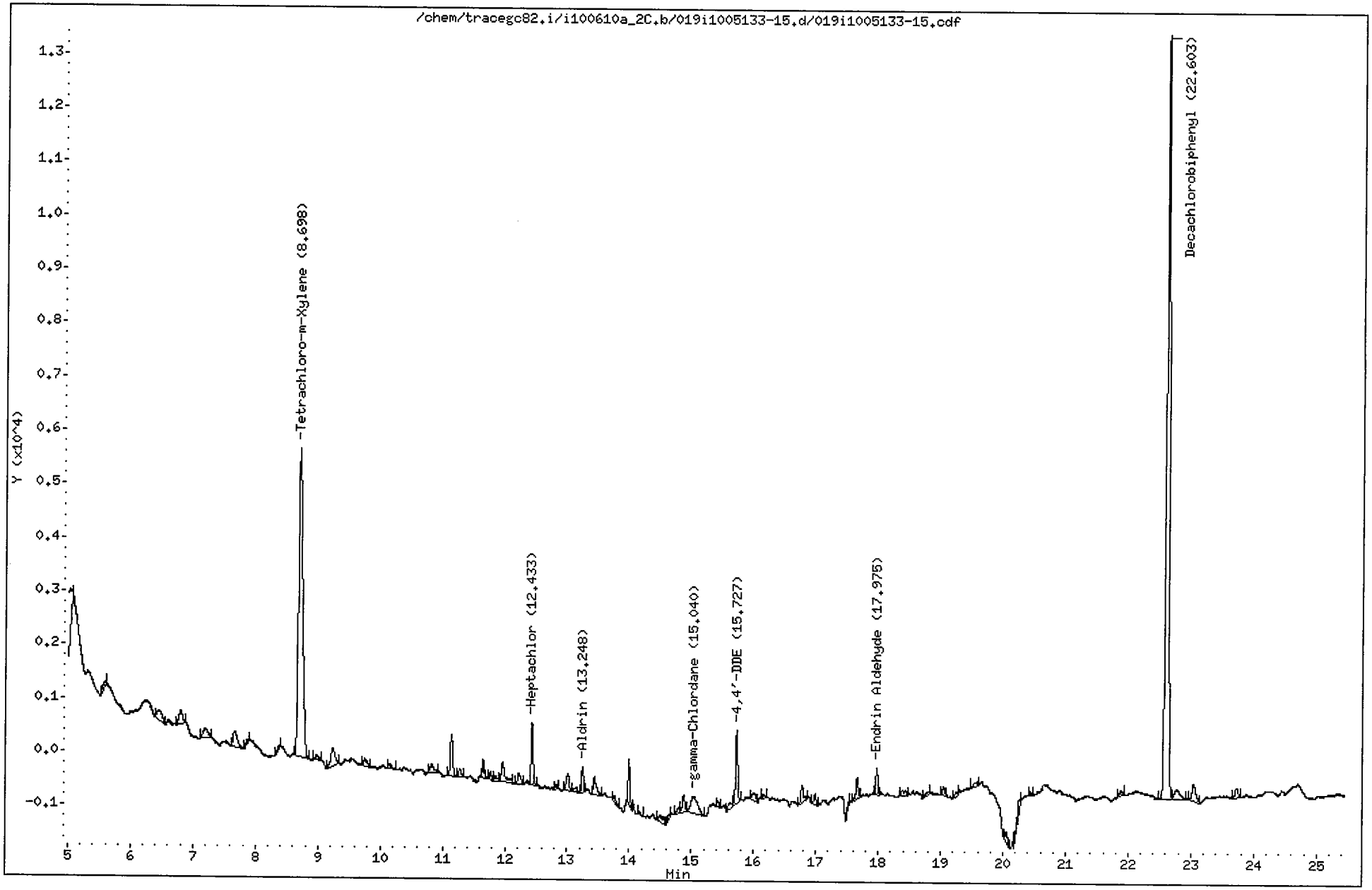
DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 27(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
16.09		1747								
16.41		2606								
16.48		3742								
16.71		1156								
16.79		2322								
17.40		4229								
17.96		3823								
18.27		1158								
18.57		1074								
18.79		1010								
19.05		1899								
19.56		1442								
19.71		2606								
21.96	21.90 22.04	199174	2320776	Decachlorobiphenyl	0.085822	19.59410		71.5	55 - 130	
22.71		2392								
23.27		3636								
23.75		885								
24.05		1055								
24.58		1004								

Data File: /chem/tracegc82.i/i100610a_2C.b/019i1005133-15.d
Date : 11-JUN-2010 01:15
Client ID: SB88-2.5-3.5
Sample Info: 1005133-15
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-15 Client Smp Id : SB88-2.5-3.5
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 01:15 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610a_2C.b/8081A_clpest2v6.m
Misc. Info : SB88-2.5-3.5

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 27(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.05			172								
1.38			923								
2.12			1505021								
3.19			54995								
3.53			119149								
4.39			260								
4.92			8731								
5.59			378								
6.44			1128								
6.80			1004								
7.20			967								
7.67			1519								
7.88			275								
8.39			237								
8.70	8.63	8.77	26615	708805	Tetrachloro-m-Xylene	0.037549	8.572854		62.6*	70 - 125	R
8.98			383								
9.23			1588								
9.75			568								
10.15			354								
10.82			667								
11.14			2055								
11.28			428								
11.65			674								
11.77			285								
11.85			309								
11.96			1452								
12.22			704								
12.43	12.38	12.52	2562	997000	Heptachlor	0.002569	0.586463	2.328767			J
12.82			188								
13.01			974								
13.15			375								
13.25	13.15	13.29	1026	934385	Aldrin	0.001097	0.250452	2.328767			J
13.44			1185								
13.76			220								
13.99			1720								
14.16			192								
14.50			654								

6/11/10

CompuChem

Lab Smp Id : 1005133-15 Client Smp Id : SB88-2.5-3.5
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 01:15 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610a_2C.b/8081A_clpest2v6.m
Misc. Info : SB88-2.5-3.5

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 27(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
14.66		206								
14.80		304								
14.88		855								
15.04	14.93 15.07	2413	865155	gamma-Chlordane	0.002789	0.636780	2.328767			J
15.43		223								
15.63		471								
15.73	15.66 15.80	3172	742671	4,4'-DDE	0.004271	0.975130	4.520548			J
16.01		583								
16.16		172								
16.78		912								
16.99		459								
17.54		244								
17.66		1065								
17.98	17.85 17.99	1074	494934	Endrin Aldehyde	0.002170	0.495431	4.520548			J
18.39		468								
18.80		302								
19.04		394								
19.25		162								
19.55		307								
20.06		469								
20.26		681								
20.44		170								
21.88		298								
22.60	22.53 22.67	45870	535699	Decachlorobiphenyl	0.085626	19.54941		71.4	55 - 130	
22.77		1162								
23.05		1312								
23.73		572								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS61-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 8 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/03/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.8	U
319-85-7	beta-BHC	1.8	U
319-84-6	alpha-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
72-54-8	4,4'-DDD	3.6	U
72-55-9	4,4'-DDE	3.6	U
50-29-3	4,4'-DDT	3.6	U
60-57-1	Dieldrin	3.6	U
959-98-8	Endosulfan I	1.8	U
33213-65-9	Endosulfan II	3.6	U
1031-07-8	Endosulfan sulfate	0.38	JP
72-20-8	Endrin	0.40	JP
7421-93-4	Endrin Aldehyde	3.6	U
76-44-8	Heptachlor	0.23	JP
1024-57-3	Heptachlor Epoxide	1.8	U
72-43-5	Methoxychlor	12	J
8001-35-2	Toxaphene	90	U
53494-70-5	Endrin Ketone	0.52	JP
5103-74-2	gamma-Chlordane	1.8	U
5103-71-9	alpha-Chlordane	1.8	U

Data File: /chem/tracegc82.i/f100601f.b/080f1005133-07.d

Date : 03-JUN-2010 06:09

Client ID: SS61-0-1

Instrument: tracegc82.i

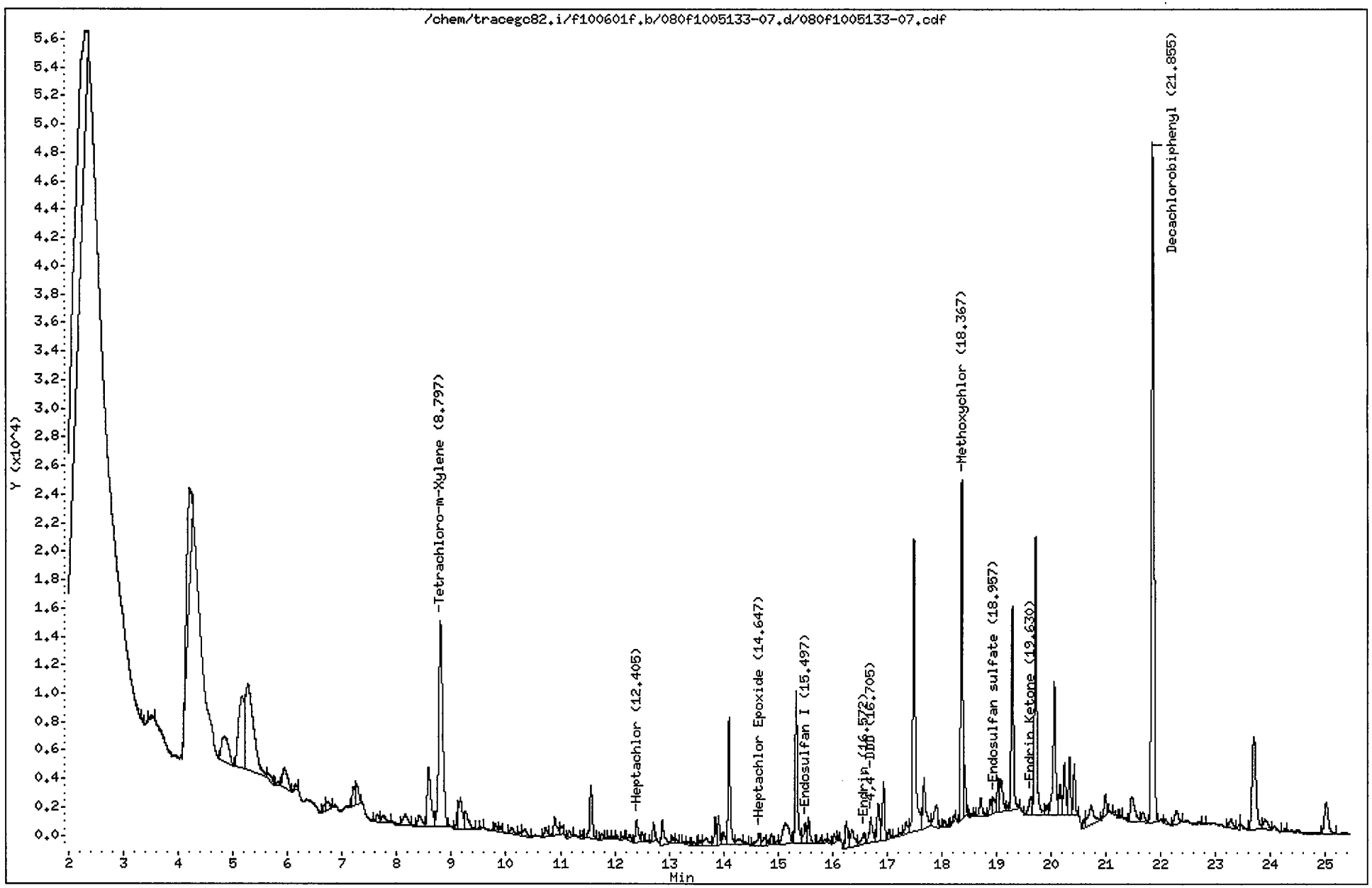
Sample Info: 1005133-07

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



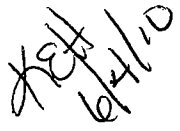
CompuChem

Lab Smp Id : 1005133-07 Client Smp Id : SS61-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 06:09 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601f.b/8081A_clpestv6.m
Misc. Info : SS61-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 8(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.39			479								
1.49			4798								
1.87			17944								
2.30			161255								
3.32			422								
3.51			957								
4.21			42143								
4.86			16167								
5.17			34829								
5.27			64102								
5.64			1972								
5.81			762								
5.95			8962								
6.14			1539								
6.67			1180								
6.73			2812								
7.20			4494								
7.27			5393								
7.64			2156								
7.75			2452								
8.16			4487								
8.41			4577								
8.58			20297								
8.80	8.73	8.87	74257	1587700	Tetrachloro-m-Xylene	0.046770	8.472860		78.0	70 - 125	
9.12			3022								
9.16			9639								
9.27			6302								
9.54			414								
9.80			1566								
9.90			1187								
10.10			1973								
10.25			697								
10.35			2406								
10.72			2587								
10.90			5549								
11.02			1793								
11.16			1709								



CompuChem

Lab Smp Id : 1005133-07 Client Smp Id : SS61-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 06:09 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601f.b/8081A_clpestv6.m
Misc. Info : SS61-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 8(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.39		636								
11.56		11978								
11.76		1154								
11.89		373								
11.99		414								
12.04		802								
12.14		797								
12.27		1342								
12.40	12.38 12.52	5699	2589888	Heptachlor	0.002200	0.398568	1.847826			J
12.51		1542								
12.71		3340								
12.87		6391								
13.07		1193								
13.14		700								
13.26		360								
13.35		722								
13.45		888								
13.52		503								
13.58		1042								
13.69		3276								
13.85		5183								
13.91		5080								
13.99		3510								
14.10		24902								
14.28		2602								
14.38		877								
14.65	14.56 14.70	4069	2235460	Heptachlor Epoxide	0.001820	0.329748	1.847826			J
14.75		2270								
14.82		835								
14.88		2075								
14.99		904								
15.13		11842								
15.28		551								
15.33		30706								
15.50	15.45 15.59	4787	2067970	Endosulfan I	0.002315	0.419353	1.847826			J
15.56		5086								
15.78		703								

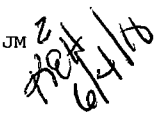
CompuChem

Lab Smp Id : 1005133-07 Client Smp Id : SS61-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 06:09 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601f.b/8081A_clpestv6.m
Misc. Info : SS61-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 8(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
15.87		680								
15.93		879								
16.03		1545								
16.09		781								
16.25		6424								
16.36		5942								
16.57	16.51 16.65	3753	1695798	Endrin	0.002213	0.400820	3.586957			J
16.70	16.66 16.80	7427	1534440	4,4'-DDD	0.004840	0.876848	3.586957			J
16.84		9264								
16.93		11643								
17.03		1421								
17.08		411								
17.23		635								
17.34		3634								
17.49		65924								
17.68		13888								
17.88		7412								
18.04		1619								
18.22		1077								
18.37	18.33 18.47	59477	731447	Methoxychlor	0.081314	14.73083	18.47826			JM
18.42		7501								
18.55		380								
18.59		617								
18.71		4972								
18.89		2972								
18.96	18.89 19.03	3293	1574194	Endosulfan sulfate	0.002092	0.378961	3.586957			J
19.03		6734								
19.09		8021								
19.20		676								
19.29		39001								
19.63	19.49 19.63	5283	1849761	Endrin Ketone	0.002856	0.517301	3.586957			J
19.71		56539								
19.91		2256								
20.06		31159								
20.16		6391								
20.24		10893								
20.34		10663								



CompuChem

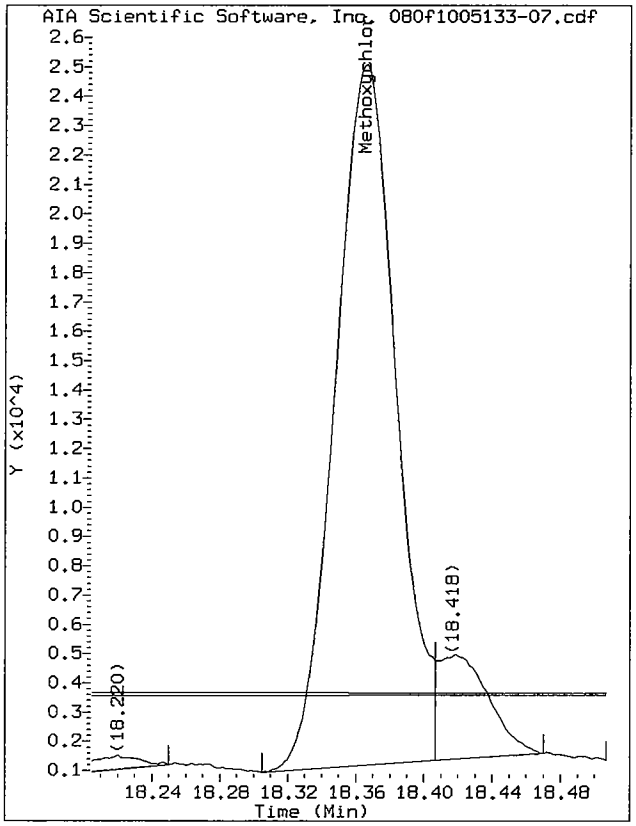
Lab Smp Id : 1005133-07 Client Smp Id : SS61-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 06:09 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601f.b/8081A_clpestv6.m
Misc. Info : SS61-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 8(%)

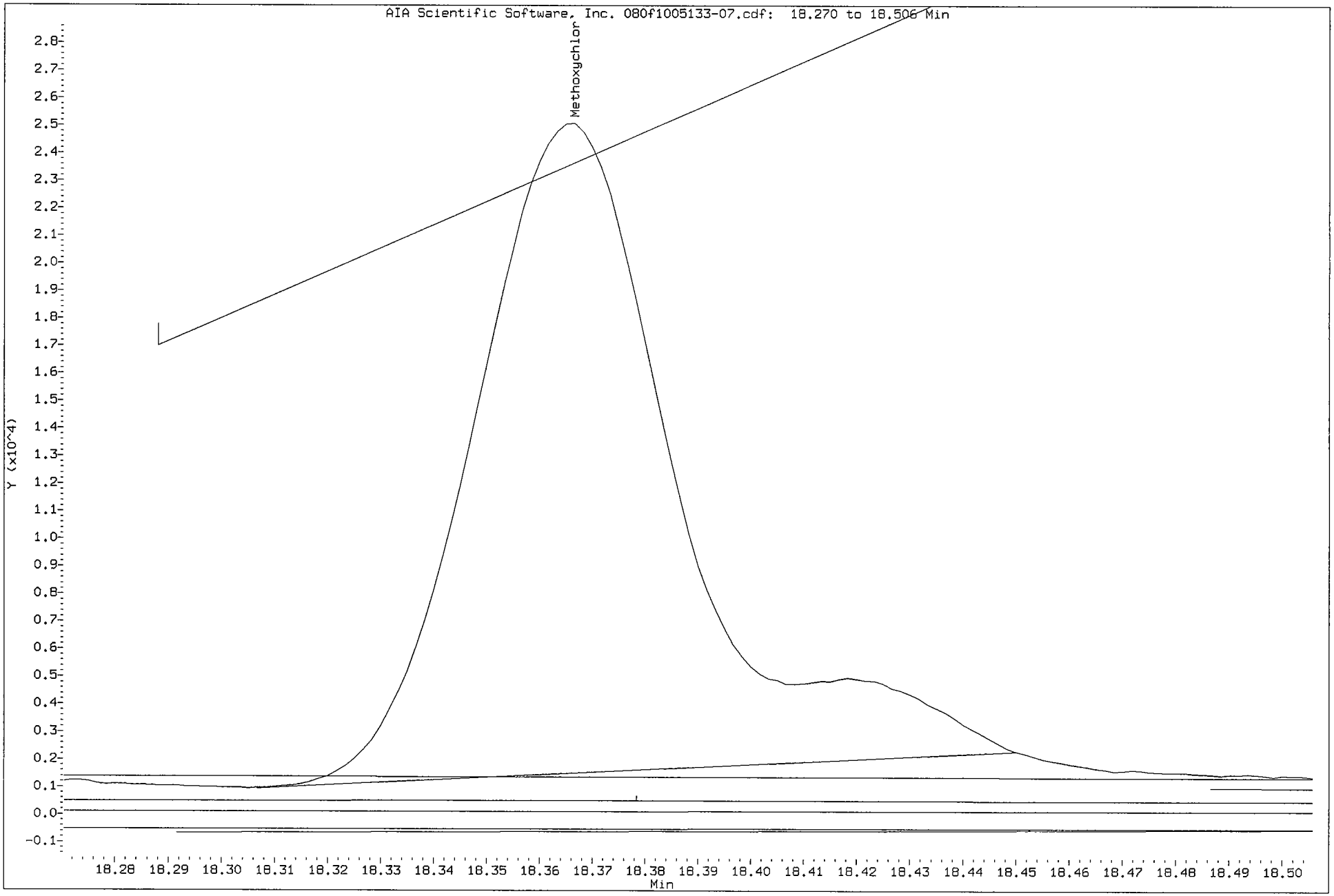
RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
20.42		8982								
20.61		1226								
20.72		9703								
20.99		4791								
21.15		739								
21.28		387								
21.47		9589								
21.68		2796								
21.86	21.79 21.93	153044	1622138	Decachlorobiphenyl	0.094346	17.09175		78.6	55 - 130	
22.09		1166								
22.29		4843								
22.77		454								
23.27		2977								
23.44		650								
23.69		32000								
23.90		3896								
24.25		321								
25.01		11769								

Manually Integrated Peaks



Start: 18.30 Stop: 18.41

Data File: /chem/tracegc82.i/f100601f.b/080f1005133-07.d/080f1005133-07.cdf
Injection Date: 03-JUN-2010 06:09
Instrument: tracegc82.i
Client Sample ID: SS61-0-1



Data File: /chem/tracegc82.i/f100601f_2C.b/080f1005133-07.d

Date : 03-JUN-2010 06:09

Client ID: SS61-0-1

Sample Info: 1005133-07

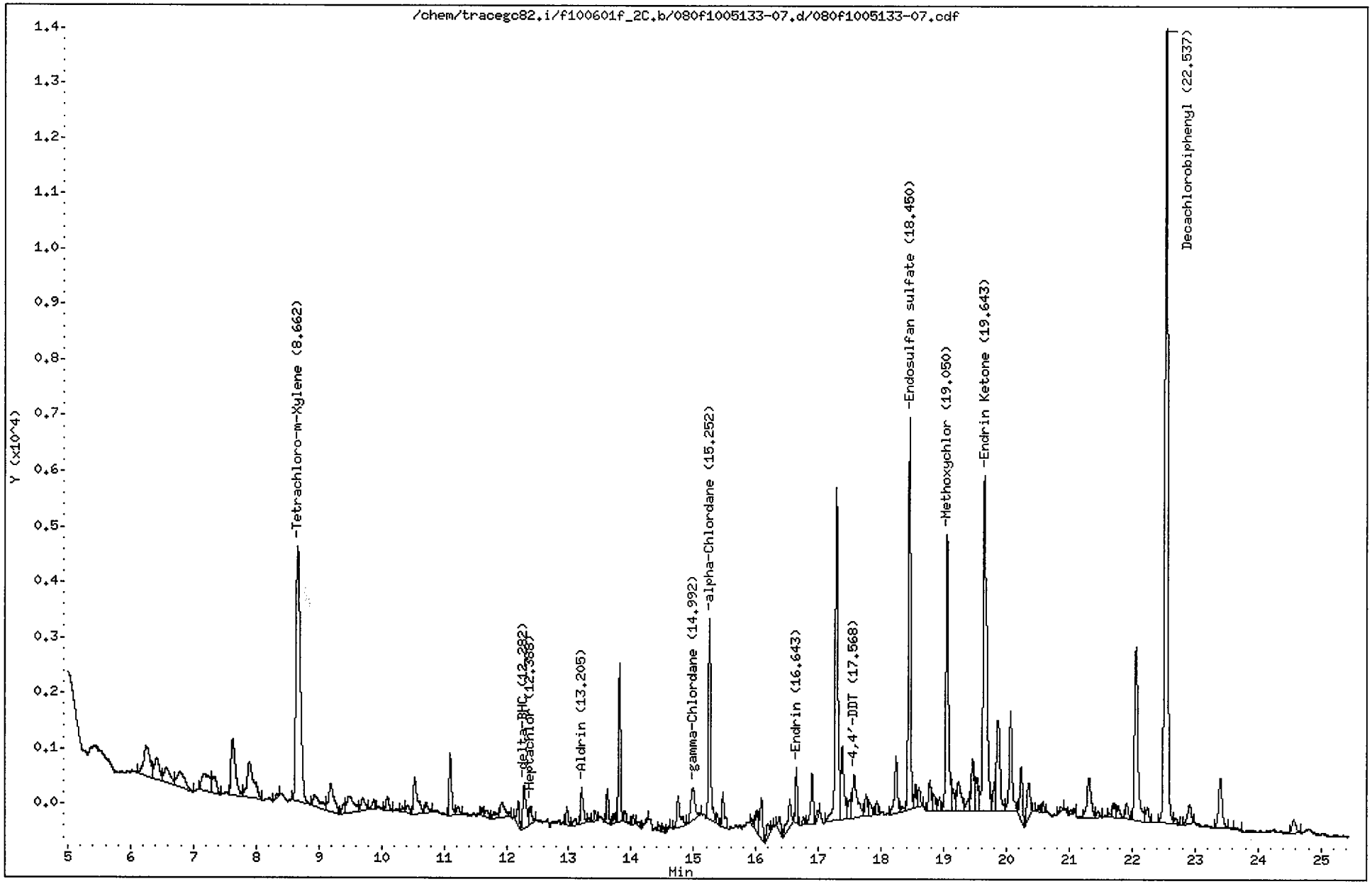
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-07 Client Smp Id : SS61-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 06:09 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601f_2C.b/8081A_clpest2v6.m
Misc. Info : SS61-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 8(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.36			748								
2.08			849471								
3.15			336								
3.52			90493								
4.30			554								
4.87			9967								
6.25			3884								
6.41			2135								
6.56			1880								
6.78			2417								
7.17			2763								
7.33			1424								
7.62			5063								
7.89			4817								
8.35			173								
8.66	8.59	8.73	22676	548876	Tetrachloro-m-Xylene	0.041314	7.484333		68.9*	70 - 125	R
8.94			1609								
9.19			3018								
9.40			575								
9.50			2420								
9.70			1084								
9.88			492								
10.09			787								
10.33			254								
10.42			507								
10.53			2876								
10.71			605								
11.10			3060								
11.22			515								
11.61			305								
11.68			475								
11.80			433								
11.92			1427								
12.19			1134								
12.28	12.22	12.36	2686	827595	delta-BHC	0.003246	0.587962	1.847826			J
12.39	12.33	12.47	1003	778205	Heptachlor	0.001288	0.233257	1.847826			J
12.97			768								

6/4/10

CompuChem

Lab Smp Id : 1005133-07 Client Smp Id : SS61-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 06:09 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601f_2C.b/8081A_clpest2v6.m
Misc. Info : SS61-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 8(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
13.10		408								
13.20	13.10 13.24	1788	726628	Aldrin	0.002461	0.445776	1.847826			J
13.32		185								
13.42		455								
13.62		1420								
13.72		406								
13.81		6387								
13.90		494								
14.03		382								
14.12		217								
14.26		282								
14.45		213								
14.52		203								
14.61		148								
14.75		2037								
14.99	14.88 15.02	2741	690205	gamma-Chlordane	0.003970	0.719173	1.847826			J
15.25	15.21 15.35	9068	595455	alpha-Chlordane	0.015229	2.758821	1.847826			
15.38		374								
15.47		1764								
15.93		280								
16.01		1188								
16.09		2217								
16.18		703								
16.25		130								
16.38		855								
16.54		1896								
16.64	16.60 16.74	2110	524785	Endrin	0.004019	0.728041	3.586957			J
16.76		278								
16.90		2646								
16.99		259								
17.28		17865								
17.38		4647								
17.51		1300								
17.57	17.55 17.69	3981	503765	4,4'-DDT	0.007902	1.431611	3.586957			J
17.76		1079								
17.82		809								
17.93		593								

CompuChem

Lab Smp Id : 1005133-07 Client Smp Id : SS61-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 06:09 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601f_2C.b/8081A_clpest2v6.m
Misc. Info : SS61-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 8(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
18.24		3151								
18.35		275								
18.45	18.40 18.54	16907	479624	Endosulfan sulfate	0.035248	6.385591	3.586957			
18.55		952								
18.61		884								
18.78		1640								
18.85		890								
18.93		660								
19.05	19.03 19.17	14010	208391	Methoxychlor	0.067225	12.17837	18.47826			JMZ
19.13		1349								
19.23		2630								
19.40		711								
19.46		3011								
19.53		2099								
19.64	19.55 19.69	23950	535815	Endrin Ketone	0.044698	8.097511	3.586957			
19.81		1189								
19.86		6933								
20.07		5967								
20.23		2771								
20.35		2467								
20.51		245								
20.59		379								
20.86		237								
21.02		422								
21.32		3318								
21.45		341								
21.64		173								
21.71		778								
21.78		826								
21.91		881								
22.06		12022								
22.25		888								
22.54	22.47 22.61	46428	497254	Decachlorobiphenyl	0.093369	16.91462		77.8	55 - 130	
22.70		387								
22.91		1463								
23.41		3631								
23.66		188								

CompuChem

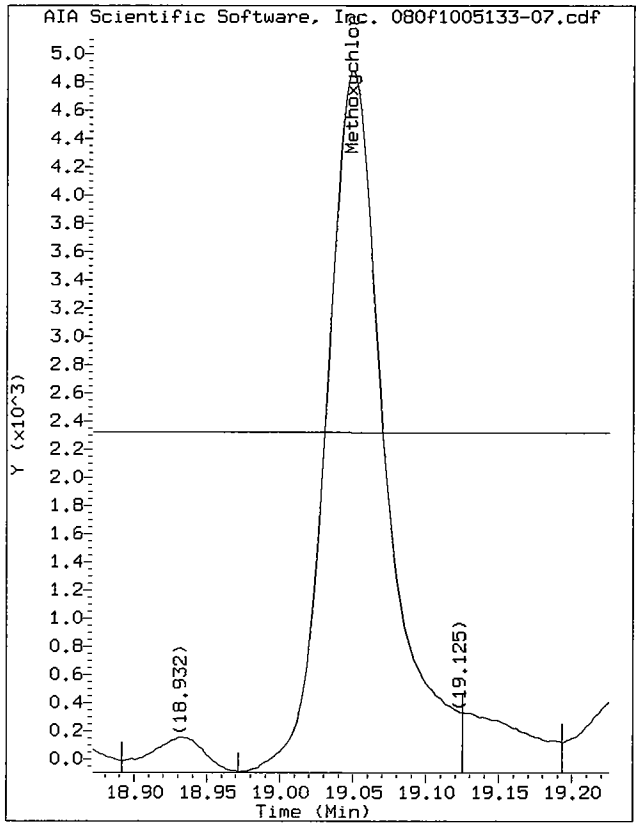
Lab Smp Id : 1005133-07 Client Smp Id : SS61-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 06:09 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601f_2C.b/8081A_clpest2v6.m
Misc. Info : SS61-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 8(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
24.57		1101								

Manually Integrated Peaks



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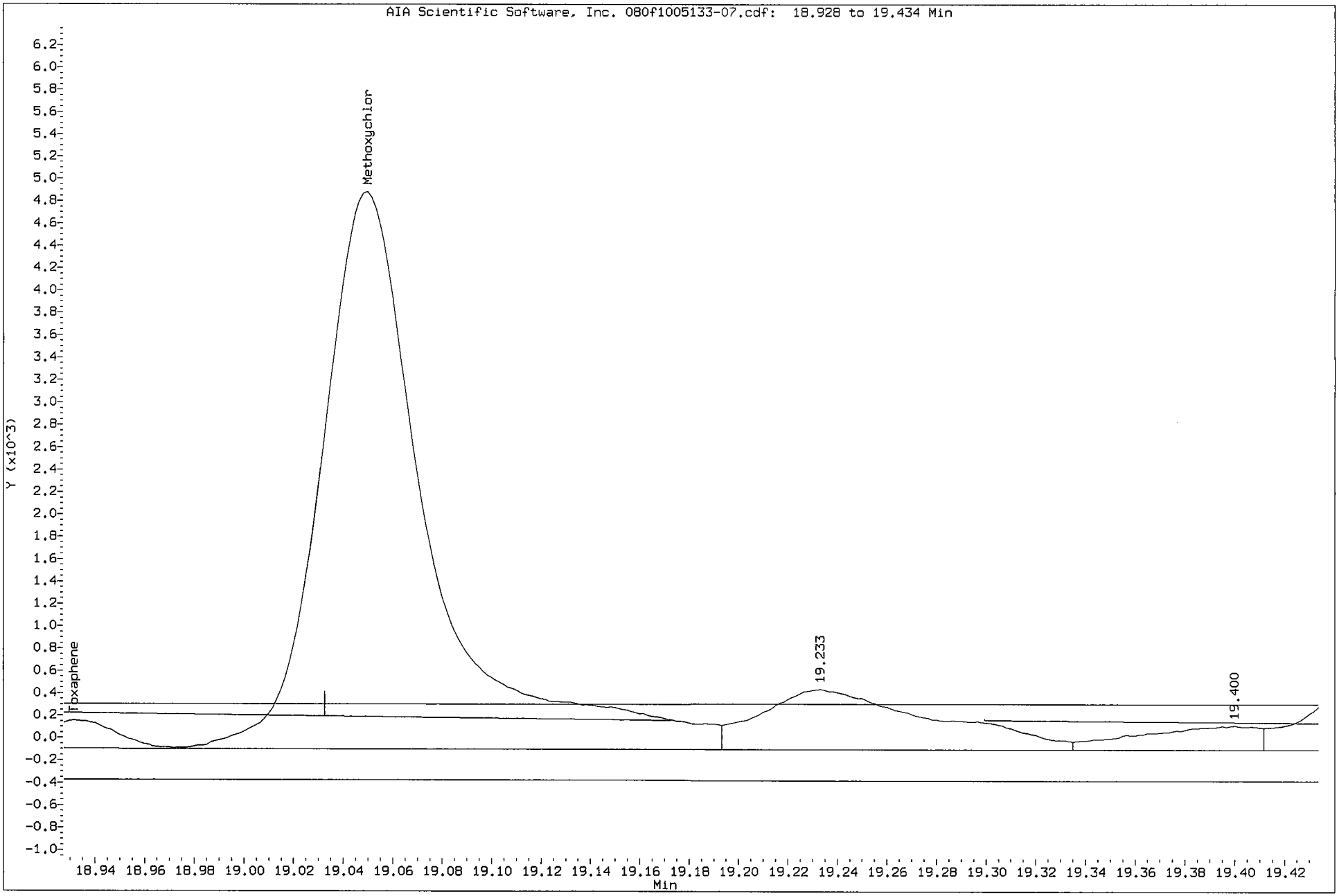
Injection Date: 03-JUN-2010 06:09
Instrument: tracegc82.i
Client Sample ID: SS61-0-1



1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS61D-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 7 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/03/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.8	U
319-85-7	beta-BHC	1.8	U
319-84-6	alpha-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
72-54-8	4,4'-DDD	0.63	J
72-55-9	4,4'-DDE	3.5	U
50-29-3	4,4'-DDT	3.5	U
60-57-1	Dieldrin	3.5	U
959-98-8	Endosulfan I	1.8	U
33213-65-9	Endosulfan II	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
72-20-8	Endrin	3.5	U
7421-93-4	Endrin Aldehyde	3.5	U
76-44-8	Heptachlor	0.20	JP
1024-57-3	Heptachlor Epoxide	1.8	U
72-43-5	Methoxychlor	6.5	JP
8001-35-2	Toxaphene	89	U
53494-70-5	Endrin Ketone	3.5	U
5103-74-2	gamma-Chlordane	0.19	JP
5103-71-9	alpha-Chlordane	1.8	U

Data File: /chem/tracegc82.i/f100601f.b/081f1005133-08.d

Page 1

Date : 03-JUN-2010 06:38

Client ID: SS61D-0-1

Instrument: tracegc82.i

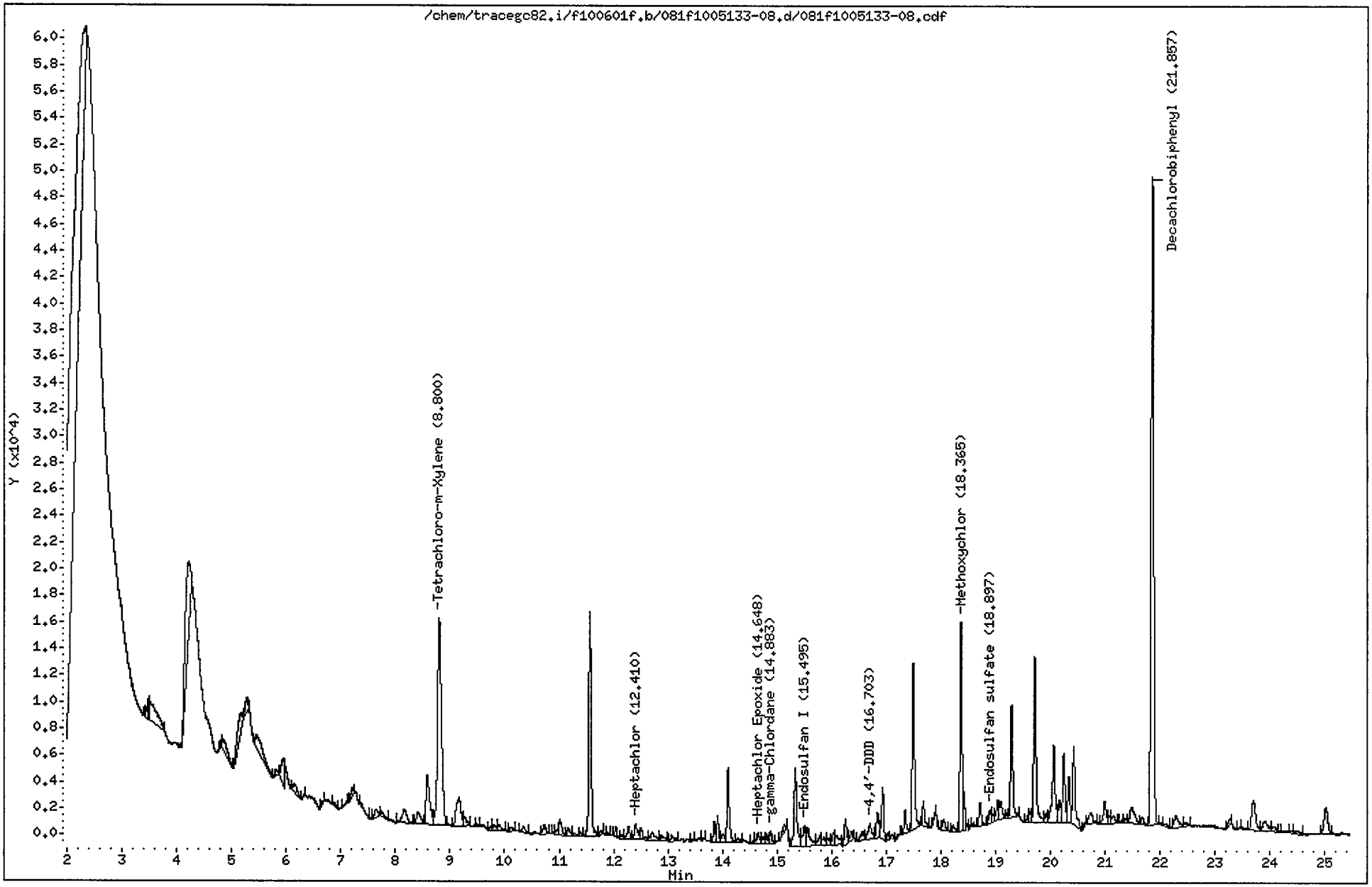
Sample Info: 1005133-08

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-08 Client Smp Id : SS61D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 06:38 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601f.b/8081A_clpestv6.m
Misc. Info : SS61D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 7(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.50			34052								
2.31			182536								
3.41			281								
3.47			2381								
3.50			1157								
3.52			14027								
4.21			40670								
4.80			844								
4.85			5188								
5.16			9579								
5.27			3843								
5.46			9617								
5.81			1627								
5.94			8286								
6.13			3306								
6.32			353								
6.68			531								
6.87			616								
7.10			559								
7.20			2194								
7.36			1642								
7.65			2282								
7.75			1770								
8.16			6818								
8.42			4479								
8.58			17434								
8.80	8.73	8.87	77218	1587700	Tetrachloro-m-Xylene	0.048635	8.715863		81.1	70 - 125	
9.16			12943								
9.26			3034								
9.48			385								
9.75			635								
9.79			1535								
9.90			1652								
10.10			1066								
10.34			1777								
10.73			2833								
10.90			463								

CompuChem

Lab Smp Id : 1005133-08 Client Smp Id : SS61D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 06:38 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601f.b/8081A_clpestv6.m
Misc. Info : SS61D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 7(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
10.95		923								
11.01		4260								
11.17		2101								
11.29		931								
11.38		744								
11.56		50277								
11.76		583								
11.89		378								
12.04		1862								
12.13		989								
12.28		3169								
12.41	12.38 12.52	4980	2589888	Heptachlor	0.001923	0.344599	1.827957			J
12.51		2928								
12.71		3472								
12.88		1842								
13.07		1473								
13.45		662								
13.65		452								
13.84		3630								
13.91		4476								
14.00		2019								
14.10		15517								
14.28		963								
14.58		708								
14.65	14.56 14.70	3297	2235460	Heptachlor Epoxide	0.001474	0.264232	1.827957			J
14.75		1678								
14.81		1664								
14.88	14.84 14.98	2358	2245768	gamma-Chlordane	0.001050	0.188168	1.827957			J
15.13		1954								
15.33		21115								
15.50	15.45 15.59	5604	2067970	Endosulfan I	0.002709	0.485559	1.827957			J
15.56		6686								
15.78		2577								
15.86		2657								
15.94		1645								
16.03		3007								
16.10		3424								

CompuChem

Lab Smp Id : 1005133-08 Client Smp Id : SS61D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 06:38 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601f.b/8081A_clpestv6.m
Misc. Info : SS61D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 7(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
16.25		5186								
16.36		2171								
16.57		2571								
16.70	16.66 16.80	5368	1534440	4,4'-DDD	0.003498	0.626827	3.548387			J
16.83		6757								
16.93		10570								
17.02		1330								
17.23		615								
17.34		4676								
17.49		37242								
17.68		5083								
17.89		549								
17.98		317								
18.05		2672								
18.22		1803								
18.36	18.33 18.47	40006	731447	Methoxychlor	0.054694	9.801854	18.27957			JM2
18.42		5698								
18.54		717								
18.60		728								
18.72		5286								
18.90		2691								
18.95		1917								
19.03		4222								
19.09		4665								
19.21		743								
19.29		24007								
19.59		1001								
19.62		2380								
19.71		37615								
19.91		2815								
20.06		21605								
20.16		5395								
20.24		15224								
20.34		10166								
20.42		19161								
20.62		666								
20.73		3983								

Ref 6/4/10

CompuChem

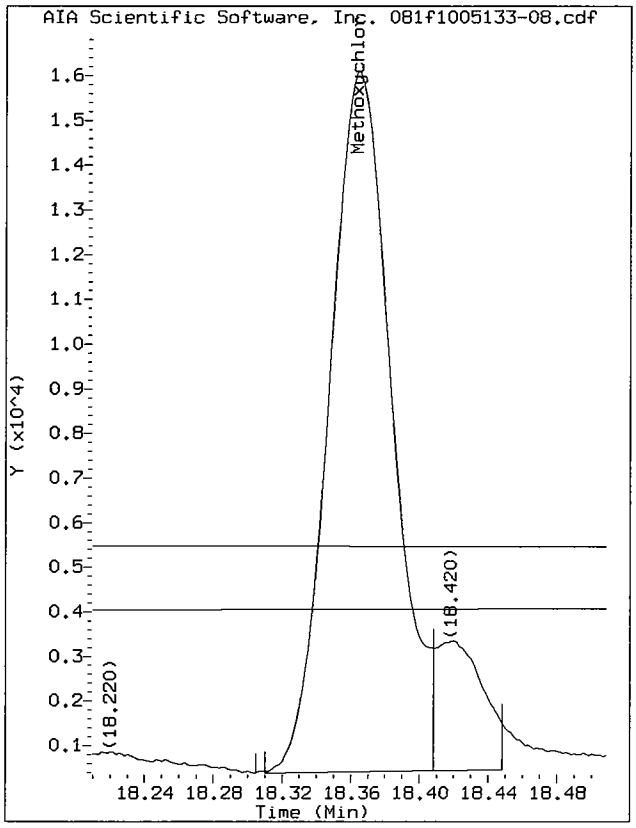
Lab Smp Id : 1005133-08 Client Smp Id : SS61D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 06:38 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601f.b/8081A_clpestv6.m
Misc. Info : SS61D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 7(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
20.99		6204								
21.08		1728								
21.14		2290								
21.26		503								
21.36		1004								
21.48		7309								
21.68		1861								
21.86	21.79 21.93	157761	1622138	Decachlorobiphenyl	0.097255	17.42920		81.0	55 - 130	
22.08		762								
22.29		4888								
22.48		948								
23.26		1673								
23.44		307								
23.70		10652								
23.90		4402								
24.07		1738								
24.24		697								
24.39		532								
24.50		1312								
25.01		9393								

Manually Integrated Peaks



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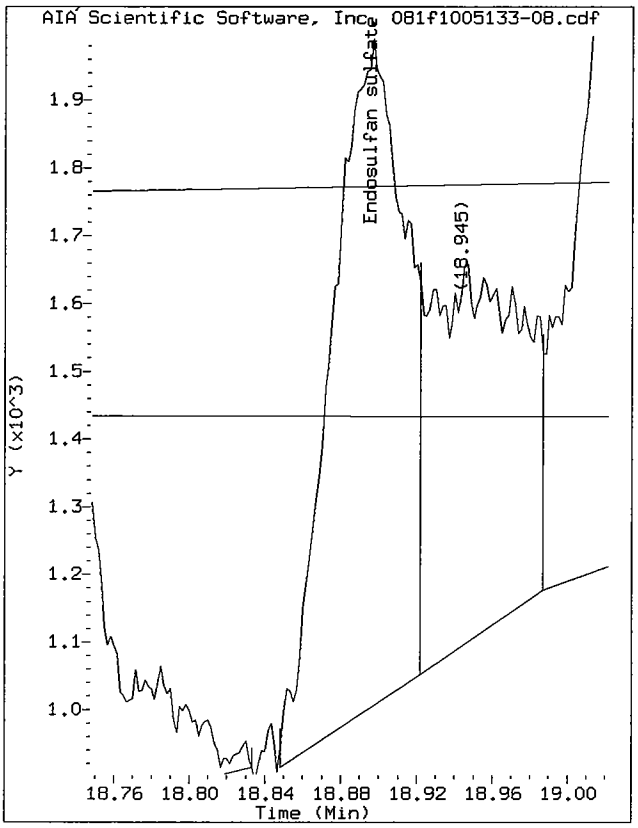
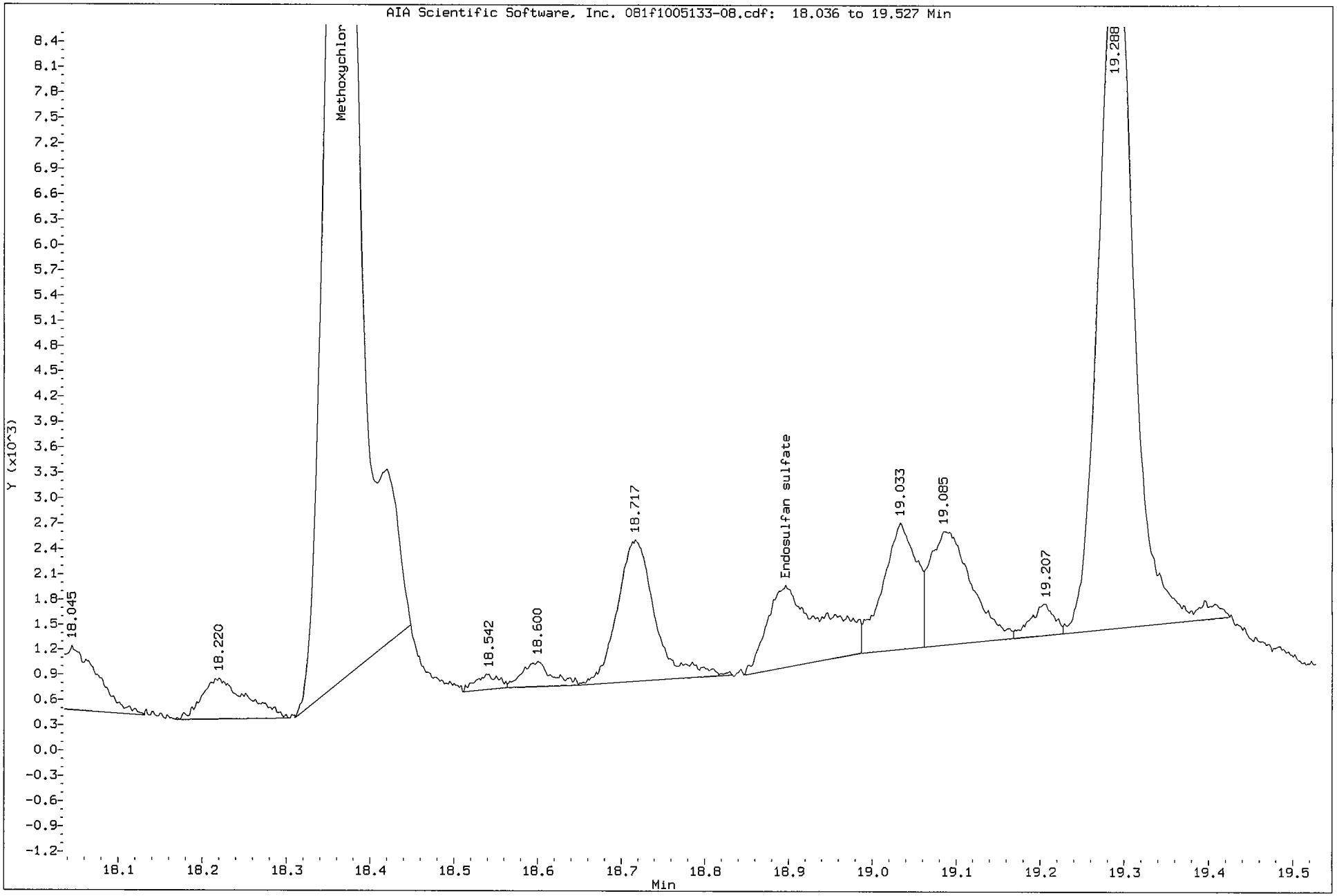


Start: 18.85 Stop: 18.92

Data File: /chem/tracegc82.i/f100601f.b/081f1005133-08.d/081f1005133-08.cdf
Injection Date: 03-JUN-2010 06:38
Instrument: tracegc82.i
Client Sample ID: SS61D-0-1



Data File: /chem/tracegc82.i/f100601f_2C.b/081f1005133-08.d

Page 1

Date : 03-JUN-2010 06:38

Client ID: SS61D-0-1

Instrument: tracegc82.i

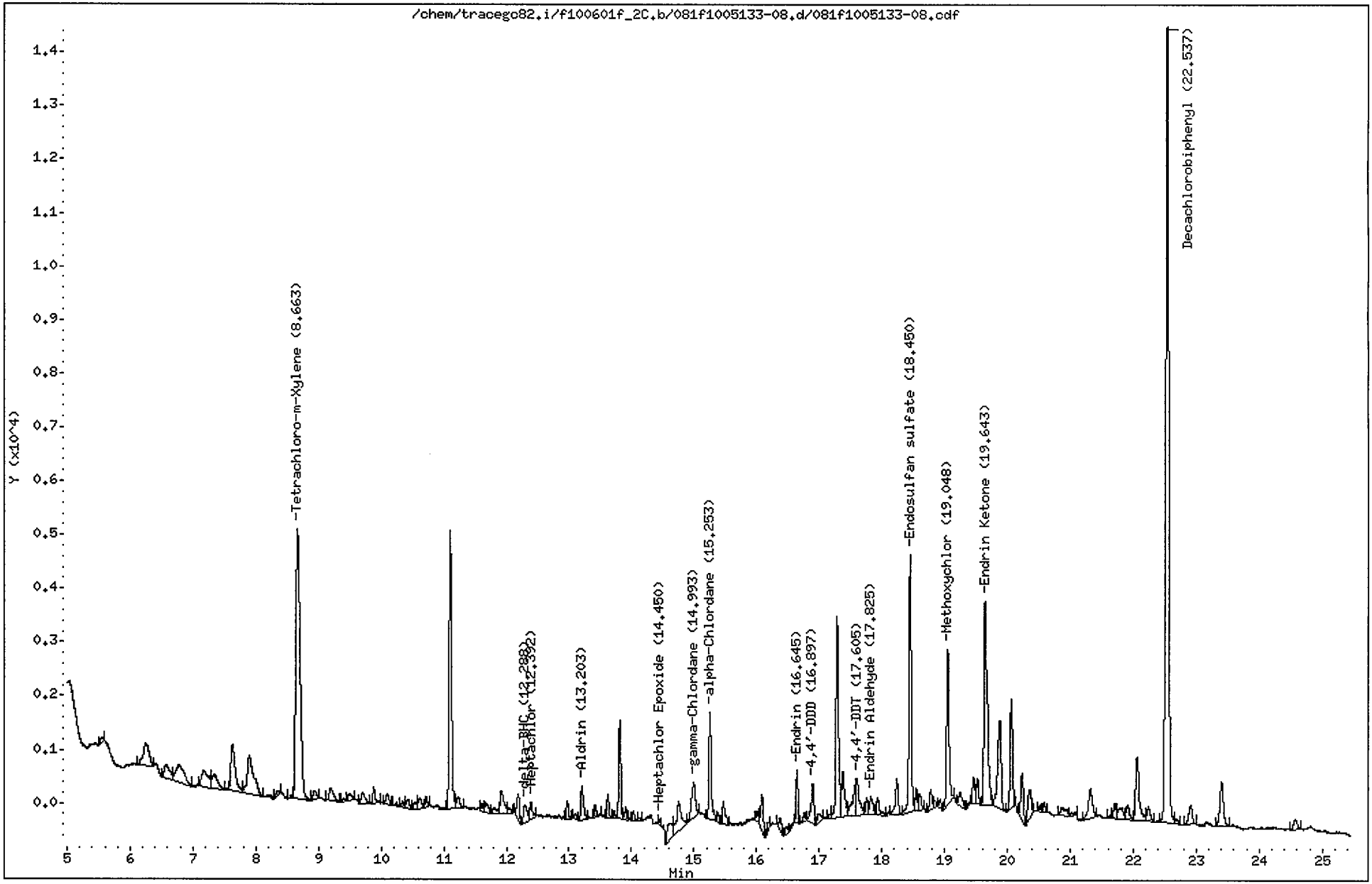
Sample Info: 1005133-08

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-08 Client Smp Id : SS61D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 06:38 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601f_2C.b/8081A_clpest2v6.m
Misc. Info : SS61D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 7(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.36		525								
2.08		920405								
3.17		842								
3.52		70964								
4.28		9445								
4.71		1041								
4.85		5773								
5.56		282								
6.25		2850								
6.56		1574								
6.79		2942								
7.17		2324								
7.34		1577								
7.63		4262								
7.90		5369								
8.35		348								
8.57		139								
8.66	8.59 8.73	24263	548876	Tetrachloro-m-Xylene	0.044203	7.921696		73.7	70 - 125	
8.94		628								
9.20		1112								
9.40		142								
9.49		519								
9.70		829								
9.88		764								
10.10		677								
10.24		163								
10.34		306								
10.43		588								
10.53		376								
10.62		746								
10.71		422								
11.10		14053								
11.23		699								
11.61		322								
11.67		611								
11.80		417								
11.92		1798								

CompuChem

Lab Smp Id : 1005133-08 Client Smp Id : SS61D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 06:38 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601f_2C.b/8081A_clpest2v6.m
Misc. Info : SS61D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 7(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.04		309								
12.19		1482								
12.29	12.22 12.36	1246	827595	delta-BHC	0.001506	0.269815	1.827957			J
12.39	12.33 12.47	881	778205	Heptachlor	0.001131	0.202654	1.827957			J
12.97		772								
13.10		276								
13.20	13.10 13.24	1737	726628	Aldrin	0.002389	0.428158	1.827957			J
13.42		637								
13.62		936								
13.72		341								
13.81		4039								
13.91		501								
14.03		388								
14.13		134								
14.45		192								
14.61		1910								
14.75		3104								
14.99	14.88 15.02	2844	690205	gamma-Chlordane	0.004119	0.738184	1.827957			J
15.25	15.21 15.35	5129	595455	alpha-Chlordane	0.008614	1.543653	1.827957			J
15.38		380								
15.47		1268								
16.01		507								
16.09		1760								
16.19		442								
16.37		650								
16.48		436								
16.59		175								
16.64	16.60 16.74	2034	524785	Endrin	0.003874	0.694259	3.548387			J
16.76		400								
16.90	16.87 17.01	2371	454222	4,4'-DDD	0.005218	0.935073	3.548387			J
17.00		600								
17.17		212								
17.28		10736								
17.38		3038								
17.57		2199								
17.60	17.55 17.69	2487	503765	4,4'-DDT	0.004937	0.884736	3.548387			J
17.76		744								

CompuChem

Lab Smp Id : 1005133-08 Client Smp Id : SS61D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 06:38 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601f_2C.b/8081A_clpest2v6.m
Misc. Info : SS61D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 7(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
17.82	17.81 17.95	1142	425754	Endrin Aldehyde	0.002682	0.480699	3.548387			J
17.93		925								
18.24		1976								
18.45	18.40 18.54	11925	479624	Endosulfan sulfate	0.024861	4.455404	3.548387			
18.55		965								
18.61		753								
18.77		1033								
18.85		347								
18.93		390								
19.05	19.03 19.17	7584	208391	Methoxychlor	0.036393	6.522066	18.27957			J
19.25		999								
19.39		157								
19.46		1401								
19.53		1160								
19.64	19.55 19.69	13774	535815	Endrin Ketone	0.025707	4.606924	3.548387			
19.88		6309								
20.06		5183								
20.23		2492								
20.36		2132								
20.51		221								
20.58		368								
20.87		867								
21.02		238								
21.32		2493								
21.65		140								
21.71		848								
21.81		1091								
21.91		913								
22.06		4667								
22.24		954								
22.54	22.47 22.61	47954	497254	Decachlorobiphenyl	0.096436	17.28235		80.4	55 - 130	
22.69		312								
22.91		1375								
23.40		3262								
24.57		805								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS63-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 6 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/03/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	0.40	J
319-85-7	beta-BHC	1.8	U
319-84-6	alpha-BHC	1.8	U
319-86-8	delta-BHC	0.46	JP
58-89-9	gamma-BHC (Lindane)	1.8	U
72-54-8	4,4'-DDD	3.5	U
72-55-9	4,4'-DDE	0.60	J
50-29-3	4,4'-DDT	3.5	U
60-57-1	Dieldrin	3.5	U
959-98-8	Endosulfan I	1.5	J
33213-65-9	Endosulfan II	3.5	U
1031-07-8	Endosulfan sulfate	2.3	J
72-20-8	Endrin	3.5	U
7421-93-4	Endrin Aldehyde	1.3	JP
76-44-8	Heptachlor	0.36	JP
1024-57-3	Heptachlor Epoxide	1.8	U
72-43-5	Methoxychlor	18	U
8001-35-2	Toxaphene	88	U
53494-70-5	Endrin Ketone	3.5	U
5103-74-2	gamma-Chlordane	0.40	JP
5103-71-9	alpha-Chlordane	0.41	JP

Data File: /chem/tracegc82.i/f100601e.b/074f1005133-05.d

Page 1

Date : 03-JUN-2010 03:14

Client ID: SS63-0-1

Instrument: tracegc82.i

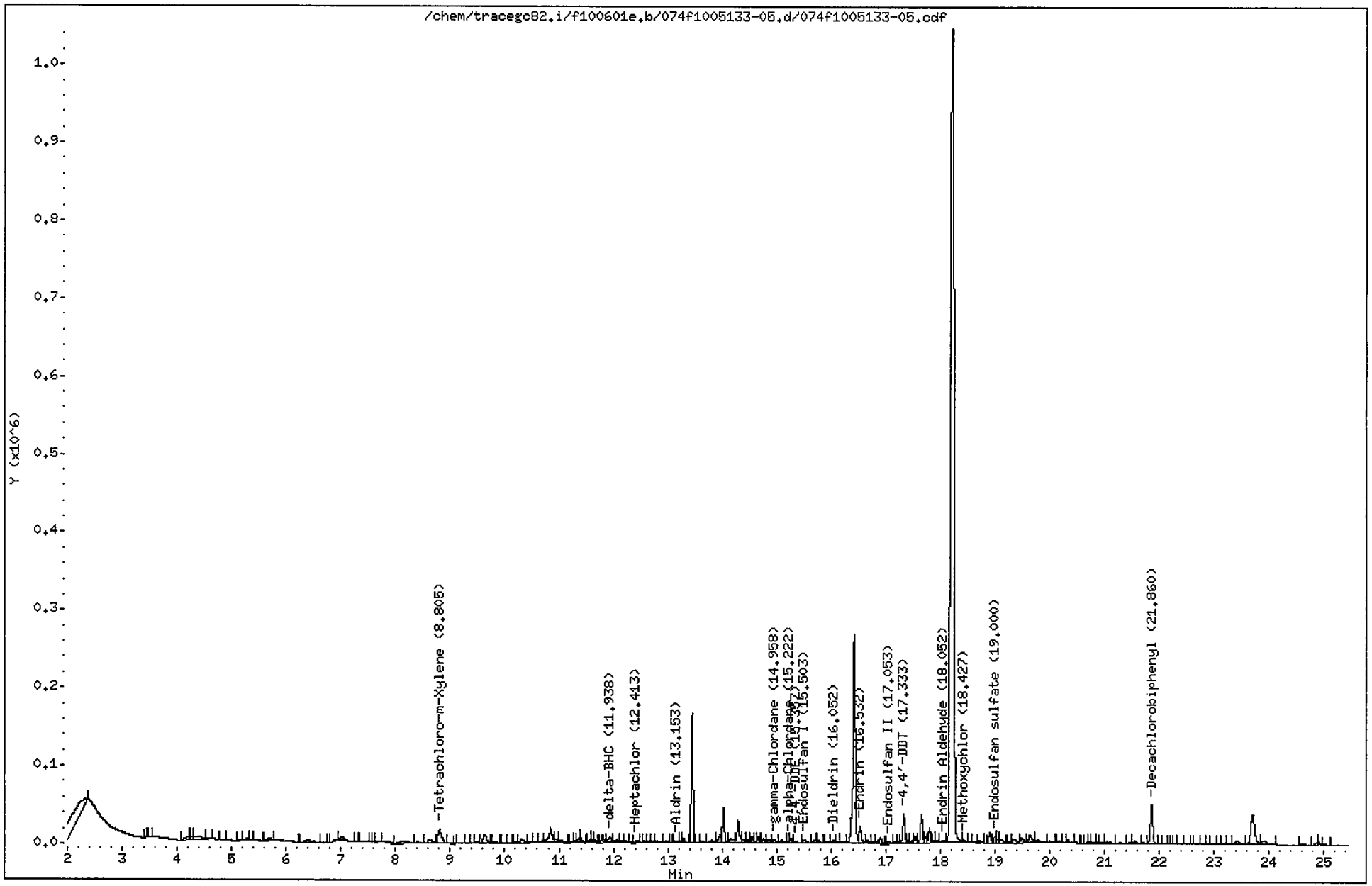
Sample Info: 1005133-05

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-05 Client Smp Id : SS63-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 03:14 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601e.b/8081A_clpestv6.m
Misc. Info : SS63-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 6(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.05			417								
1.50			23908								
2.33			169679								
3.45			455								
3.47			347								
3.52			1330								
4.21			17865								
4.24			8936								
4.28			7767								
4.33			41021								
4.57			4681								
4.85			1988								
5.18			1670								
5.26			3147								
5.43			2864								
5.69			11320								
5.81			19445								
6.39			27266								
6.68			2169								
6.92			7292								
7.02			30098								
7.28			2097								
7.38			6144								
7.57			965								
7.67			5329								
7.78			11991								
8.16			32888								
8.41			5605								
8.63			17763								
8.80	8.73	8.87	76954	1587700	Tetrachloro-m-Xylene	0.048468	8.593660		80.8	70 - 125	
9.01			2643								
9.11			400								
9.19			5445								
9.33			1942								
9.39			1311								
9.48			3558								
9.63			43743								

6/4/10

CompuChem

Lab Smp Id : 1005133-05 Client Smp Id : SS63-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 03:14 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601e.b/8081A_clpestv6.m
Misc. Info : SS63-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 6(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
9.82		9896								
9.99		1978								
10.10		2771								
10.20		1382								
10.30		19123								
10.47		3803								
10.68		4026								
10.85		81906								
10.94		15579								
11.04		13570								
11.23		1673								
11.29		3025								
11.36		11757								
11.40		17662								
11.52		514								
11.56		7157								
11.60		10379								
11.65		10348								
11.80		25953								
11.94	11.85 11.99	23598	2721052	delta-BHC	0.008672	1.537656	1.808511			J
12.06		11710								
12.14		5290								
12.21		4348								
12.31		2551								
12.41	12.38 12.52	9884	2589888	Heptachlor	0.003816	0.676663	1.808511			J
12.52		460								
12.58		5518								
12.64		3129								
12.71		5723								
12.80		4365								
12.99		6588								
13.05		1440								
13.10		620								
13.15	13.11 13.25	6664	2391920	Aldrin	0.002786	0.493906	1.808511			J
13.23		6131								
13.30		13514								
13.45		423293								

CompuChem

Lab Smp Id : 1005133-05 Client Smp Id : SS63-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 03:14 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601e.b/8081A_clpestv6.m
Misc. Info : SS63-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 6(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
13.62		7040								
13.80		12212								
13.96		31203								
14.02		115214								
14.16		23892								
14.29		83506								
14.38		11428								
14.48		7647								
14.55		18929								
14.62		2150								
14.66		18066								
14.76		12189								
14.86		13287								
14.96	14.84 14.98	12326	2245768	gamma-Chlordane	0.005489	0.973147	1.808511			J
15.09		12033								
15.22	15.15 15.29	4471	1924148	alpha-Chlordane	0.002323	0.411898	1.808511			J
15.27		15676								
15.36	15.34 15.48	6853	2012896	4,4'-DDE	0.003405	0.603643	3.510638			J
15.50	15.45 15.59	17175	2067970	Endosulfan I	0.008305	1.472561	1.808511			J
15.69		14474								
15.78		7132								
15.94		8370								
16.05	15.99 16.13	8344	2037205	Dieldrin	0.004095	0.726120	3.510638			J
16.13		3994								
16.23		6596								
16.42		776063								
16.53	16.51 16.65	53491	1695798	Endrin	0.031543	5.592674	3.510638			
16.67		9372								
16.77		1770								
16.91		28036								
17.05	17.01 17.15	9304	1759840	Endosulfan II	0.005287	0.937384	3.510638			J
17.17		4430								
17.24		1378								
17.33	17.27 17.41	86818	1722489	4,4'-DDT	0.050403	8.936640	3.510638			
17.41		4322								
17.47		6249								
17.55		18935								

CompuChem

Lab Smp Id : 1005133-05 Client Smp Id : SS63-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 03:14 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601e.b/8081A_clpestv6.m
Misc. Info : SS63-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 6(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
17.66		93430								
17.73		18466								
17.80		46199								
17.88		6181								
17.92		8592								
18.05	17.93 18.07	9842	1371845	Endrin Aldehyde	0.007174	1.272035	3.510638			J
18.20		4730660								
18.43	18.33 18.47	12364	731447	Methoxychlor	0.016903	2.997072	18.08511			J
18.53		1856								
18.61		2292								
18.72		7742								
18.91		37093								
19.00	18.89 19.03	27460	1574194	Endosulfan sulfate	0.017444	3.092881	3.510638			J
19.05		12715								
19.11		20887								
19.26		3767								
19.35		18683								
19.49		22856								
19.64		42525								
19.79		18664								
20.00		5048								
20.18		6350								
20.27		3910								
20.34		11282								
20.46		2510								
20.61		866								
20.69		1223								
20.73		1167								
20.80		3619								
20.87		1744								
20.95		2171								
21.05		9876								
21.29		5462								
21.48		3701								
21.55		12287								
21.70		4942								
21.86	21.79 21.93	155874	1622138	Decachlorobiphenyl	0.096091	17.03742		80.1	55 - 130	

CompuChem

Lab Smp Id : 1005133-05 Client Smp Id : SS63-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 03:14 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601e.b/8081A_clpestv6.m
Misc. Info : SS63-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 6(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
22.02		2585								
22.09		2562								
22.24		418								
22.28		1930								
22.39		3094								
22.50		3889								
22.68		3172								
22.80		3159								
22.97		1870								
23.07		435								
23.25		835								
23.42		22009								
23.71		190359								
23.91		25011								
24.62		8046								
24.89		8824								
25.01		6640								

Data File: /chem/tracegc82.i/f100601e_2C.b/074f1005133-05.d

Date : 03-JUN-2010 03:14

Client ID: SS63-0-1

Instrument: tracegc82.i

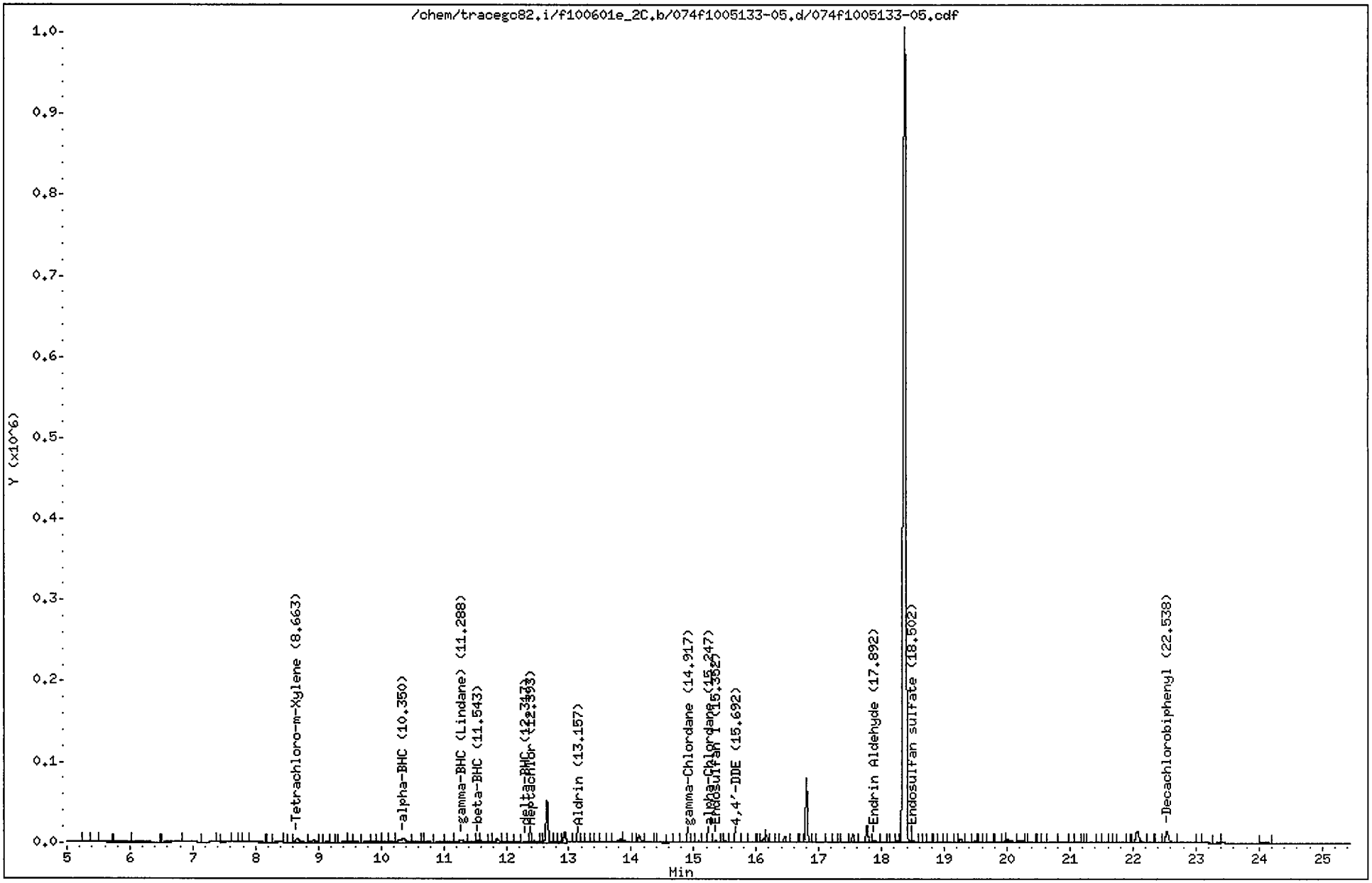
Sample Info: 1005133-05

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



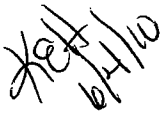
CompuChem

Lab Smp Id : 1005133-05 Client Smp Id : SS63-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 03:14 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601e_2C.b/8081A_clpest2v6.m
Misc. Info : SS63-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 6(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
0.46			156								
1.36			448								
2.09			809297								
3.13			647								
3.48			10751								
3.97			477								
4.29			262								
4.68			239								
4.83			1993								
5.05			6138								
5.46			4513								
5.55			8350								
5.83			6624								
6.18			19262								
6.73			9635								
7.33			1952								
7.53			2045								
7.69			299								
7.86			860								
7.97			6560								
8.22			232								
8.35			1244								
8.57			1006								
8.66	8.59	8.73	25824	548876	Tetrachloro-m-Xylene	0.047047	8.341677		78.4	70 - 125	
8.92			13132								
9.04			826								
9.13			3246								
9.21			1788								
9.29			862								
9.43			5458								
9.49			4804								
9.61			4031								
9.77			7731								
9.88			2024								
9.97			3773								
10.07			6535								
10.20			7295								



CompuChem

Lab Smp Id : 1005133-05 Client Smp Id : SS63-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 03:14 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601e_2C.b/8081A_clpest2v6.m
Misc. Info : SS63-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 6(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
10.35	10.32 10.46	36398	916452	alpha-BHC	0.039715	7.041684	1.808511			
10.56		5756								
10.68		2863								
10.73		5800								
10.91		4638								
11.11		7752								
11.29	11.25 11.39	17831	866882	gamma-BHC (Lindane)	0.020568	3.646800	1.808511			
11.46		4670								
11.54	11.50 11.64	6588	347428	beta-BHC	0.018962	3.362097	0.905319			
11.60		5987								
11.74		1237								
11.85		16328								
11.95		3886								
12.05		5327								
12.17		2775								
12.32	12.22 12.36	2163	827595	delta-BHC	0.002614	0.463404	1.808511			J
12.39	12.33 12.47	1586	778205	Heptachlor	0.002037	0.361124	1.808511			J
12.44		6431								
12.55		2015								
12.65		123216								
12.79		2501								
12.87		3364								
12.93		34815								
13.11		1312								
13.16	13.10 13.24	1658	726628	Aldrin	0.002282	0.404570	1.808511			J
13.21		2558								
13.29		2691								
13.37		2847								
13.46		3230								
13.55		6622								
13.63		4119								
13.83		16464								
13.89		13833								
14.04		2176								
14.13		28252								
14.24		5197								
14.38		1932								

CompuChem

Lab Smp Id : 1005133-05 Client Smp Id : SS63-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 03:14 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601e_2C.b/8081A_clpest2v6.m
Misc. Info : SS63-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 6(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
14.45		3502								
14.61		2815								
14.75		5992								
14.81		3882								
14.92	14.88 15.02	1577	690205	gamma-Chlordane	0.002285	0.405111	1.808511			J
14.99		1762								
15.08		4559								
15.16		1138								
15.25	15.21 15.35	3056	595455	alpha-Chlordane	0.005131	0.909669	1.808511			J
15.35	15.33 15.47	5533	638725	Endosulfan I	0.008661	1.535639	1.808511			J
15.46		2358								
15.50		6227								
15.60		1515								
15.69	15.61 15.75	2906	617325	4,4'-DDE	0.004707	0.834647	3.510638			J
15.81		3306								
15.93		3737								
16.05		746								
16.13		12323								
16.17		19756								
16.24		1133								
16.32		498								
16.45		18703								
16.58		3903								
16.73		778								
16.80		163836								
16.91		442								
16.99		1172								
17.16		692								
17.25		2403								
17.33		125								
17.43		2851								
17.54		22627								
17.77		48033								
17.89	17.81 17.95	7173	425754	Endrin Aldehyde	0.016845	2.986776	3.510638			J
18.04		1774								
18.11		399								
18.20		1356								

CompuChem

Lab Smp Id : 1005133-05 Client Smp Id : SS63-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 03:14 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601e_2C.b/8081A_clpest2v6.m
Misc. Info : SS63-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 6(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
18.24		3248								
18.37		3228747								
18.50	18.40 18.54	6174	479624	Endosulfan sulfate	0.012871	2.282004	3.510638			J
18.61		845								
18.69		558								
18.77		2790								
18.84		1832								
18.92		3030								
19.01		882								
19.12		1998								
19.19		586								
19.26		10743								
19.37		1788								
19.49		1760								
19.53		136								
19.57		1149								
19.63		462								
19.73		1588								
19.86		2724								
19.96		1964								
20.01		12169								
20.20		7198								
20.37		1060								
20.51		434								
20.59		748								
20.72		2867								
20.91		3603								
21.03		660								
21.08		823								
21.25		528								
21.30		1996								
21.46		1972								
21.56		1459								
21.71		246								
21.78		1732								
21.93		427								
22.07		53481								

CompuChem

Lab Smp Id : 1005133-05 Client Smp Id : SS63-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 03:14 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601e_2C.b/8081A_clpest2v6.m
Misc. Info : SS63-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 6(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
22.25		1907								
22.43		208								
22.54	22.47 22.61	48964	497254	Decachlorobiphenyl	0.098469	17.45899		82.1	55 - 130	
23.06		309								
23.15		994								
23.40		1675								
24.08		5453								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS67-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 55 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

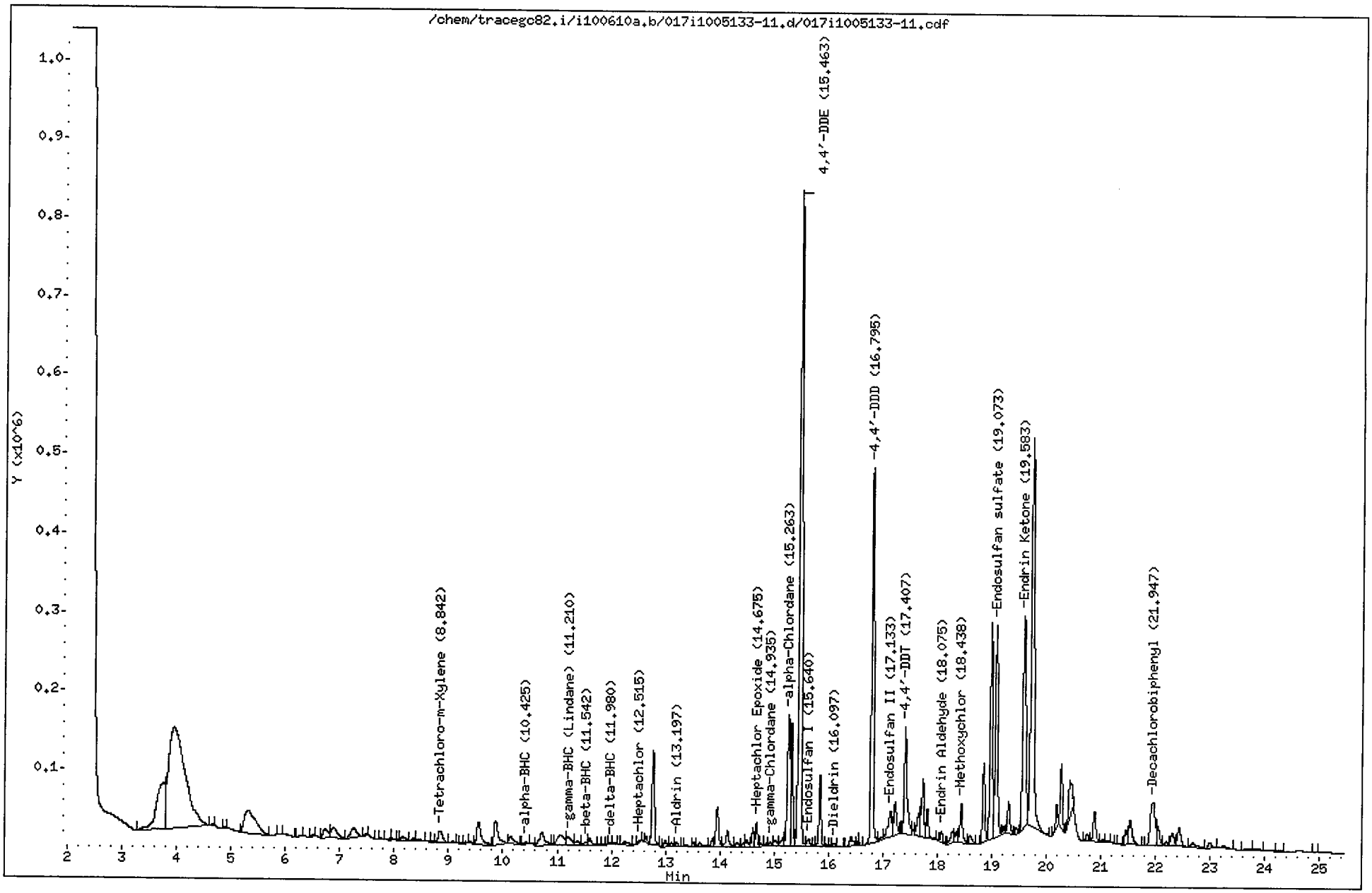
GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.2	J
319-85-7	beta-BHC	1.2	JP
319-84-6	alpha-BHC	0.56	JP
319-86-8	delta-BHC	0.40	JP
58-89-9	gamma-BHC (Lindane)	3.8	U
72-54-8	4,4'-DDD	200	E
72-55-9	4,4'-DDE	300	EP
50-29-3	4,4'-DDT	47	
60-57-1	Dieldrin	7.3	U
959-98-8	Endosulfan I	3.4	JP
33213-65-9	Endosulfan II	6.2	JP
1031-07-8	Endosulfan sulfate	1.6	JP
72-20-8	Endrin	7.3	U
7421-93-4	Endrin Aldehyde	4.7	J
76-44-8	Heptachlor	0.86	JP
1024-57-3	Heptachlor Epoxide	2.1	JP
72-43-5	Methoxychlor	38	U
8001-35-2	Toxaphene	180	U
53494-70-5	Endrin Ketone	43	P
5103-74-2	gamma-Chlordane	1.5	JP
5103-71-9	alpha-Chlordane	3.8	U

Data File: /chem/tracegc82.i/i100610a.b/017i1005133-11.d
Date : 11-JUN-2010 00:17
Client ID: SS67-0-1
Sample Info: 1005133-11
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-11
Client Smp Id : SS67-0-1
Sample Type : SAMPLE
Sublist : DODPEST
Inj Date : 11-JUN-2010 00:17
Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610a.b/8081A_clpestv6.m
Misc. Info : SS67-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0
Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul)
Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g)
M Moisture: 55(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.12			2164								
1.43			1745862								
3.76			664694								
3.94			2686716								
4.64			3839								
4.88			2461								
5.31			428297								
5.87			2170								
6.00			11363								
6.28			2667								
6.49			4833								
6.73			65398								
6.89			103553								
7.25			100954								
7.48			11886								
7.67			1830								
7.76			4848								
7.95			7957								
8.06			4198								
8.15			25767								
8.36			11162								
8.42			15651								
8.60			4296								
8.70			2379								
8.84	8.77	8.91	80434	2945399	Tetrachloro-m-Xylene	0.027308	10.11408		45.5*	70 - 125	R
9.07			9537								
9.23			3759								
9.32			5155								
9.39			7001								
9.55			149986								
9.86			164519								
10.15			53629								
10.42	10.35	10.49	8573	5709948	alpha-BHC	0.001501	0.556080	3.777778			J
10.72			111078								
10.92			6553								
11.06			119309								
11.21	11.20	11.34	62723	5248525	gamma-BHC (Lindane)	0.011950	4.426076	3.777778			

6/11/10

CompuChem

Lab Smp Id : 1005133-11
Client Smp Id : SS67-0-1
Sample Type : SAMPLE
Sublist : DODPEST
Inj Date : 11-JUN-2010 00:17
Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610a.b/8081A_clpestv6.m
Misc. Info : SS67-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0
Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul)
Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g)
M Moisture: 55(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.37		27921								
11.54	11.45 11.59	18331	1878412	beta-BHC	0.009759	3.614360	3.777778			J
11.61		30249								
11.76		1107								
11.85		1618								
11.93		1223								
11.98	11.90 12.04	5370	4983578	delta-BHC	0.001077	0.399014	3.777778			J
12.05		5792								
12.24		24806								
12.41		2804								
12.52	12.42 12.56	11216	4844272	Heptachlor	0.002315	0.857523	3.777778			J
12.64		25116								
12.77		389489								
13.00		31841								
13.11		18118								
13.20	13.16 13.30	20233	4480730	Aldrin	0.004515	1.672347	3.777778			J
13.39		9634								
13.51		14892								
13.64		22982								
13.86		24795								
13.95		176898								
14.14		80580								
14.31		18255								
14.44		13478								
14.50		25344								
14.61		62542								
14.68	14.60 14.74	83480	4017505	Heptachlor Epoxide	0.020779	7.695858	3.777778			
14.75		14947								
14.85		13090								
14.94	14.89 15.03	16511	4028032	gamma-Chlordane	0.004099	1.518065	3.777778			J
15.02		32413								
15.16		51138								
15.26	15.20 15.34	569339	3452365	alpha-Chlordane	0.164913	61.07880	3.777778			E
15.32		418444								
15.46	15.39 15.53	2861251	3488364	4,4'-DDE	0.820227	303.7878	7.333333			E
15.64	15.50 15.64	32719	3581308	Endosulfan I	0.009136	3.383722	3.777778			J
15.75		3220								

CompuChem

Lab Smp Id : 1005133-11
Sample Type : SAMPLE
Inj Date : 11-JUN-2010 00:17
Operator : BWL
Method : /chem/tracegc82.i/i100610a.b/8081A_clpestv6.m
Misc. Info : SS67-0-1

Client Smp Id : SS67-0-1
Sublist : DODPEST
Inst ID :

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0
Vt Final Volume: 5000(ul)
Ws Sample Weight: 30.0(g)

Uf GPC Unit Factor: 1
Vi Injection Volume: 1(ul)
M Moisture: 55(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
15.85		235329								
15.96		6553								
16.10	16.05 16.19	13552	3622591	Dieldrin	0.003741	1.385442	7.333333			J
16.19		3886								
16.41		45956								
16.55		9630								
16.80	16.72 16.86	1432474	2594562	4,4'-DDD	0.552106	204.4838	7.333333			E
17.00		12811								
17.13	17.07 17.21	167622	2950278	Endosulfan II	0.056816	21.04284	7.333333			
17.22		147740								
17.32		12029								
17.41	17.34 17.48	477919	2895586	4,4'-DDT	0.165051	61.12982	7.333333			EM
17.67		124411								
17.73		231542								
17.82		102413								
18.08	17.99 18.13	37895	2244869	Endrin Aldehyde	0.016880	6.251953	7.333333			J
18.28		58089								
18.34		38776								
18.44	18.40 18.54	156047	1161132	Methoxychlor	0.134391	49.77455	37.77778			
18.60		38479								
18.85		285613								
18.98		810897								
19.07	18.96 19.10	848110	2454690	Endosulfan sulfate	0.345506	127.9652	7.333333			E
19.21		23870								
19.30		133293								
19.44		24169								
19.58	19.57 19.71	1074458	2916991	Endrin Ketone	0.368345	136.4239	7.333333			E
19.73		1958515								
20.19		67732								
20.27		225890								
20.43		193673								
20.75		31486								
20.88		130866								
21.03		8499								
21.12		6476								
21.20		5241								
21.28		1088								

CompuChem

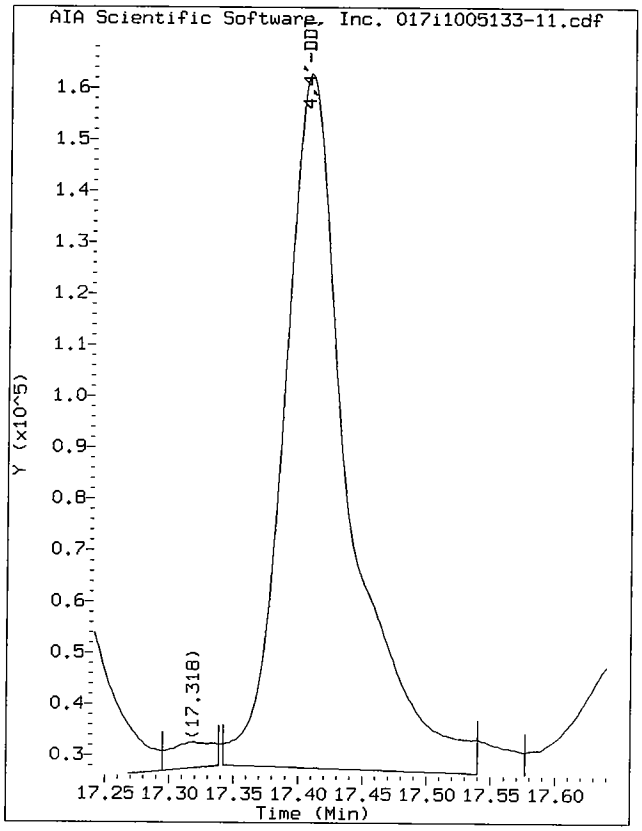
Lab Smp Id : 1005133-11
Client Smp Id : SS67-0-1
Sample Type : SAMPLE
Sublist : DODPEST
Inj Date : 11-JUN-2010 00:17
Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610a.b/8081A_clpestv6.m
Misc. Info : SS67-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0
Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul)
Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g)
M Moisture: 55(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
21.35		4269								
21.46		53895								
21.54		137771								
21.95	21.90 22.04	321659	2320776	Decachlorobiphenyl	0.138599	51.33308		115.5	55 - 130	
22.03		89616								
22.20		15933								
22.30		71399								
22.43		104785								
22.67		38986								
22.99		34088								
23.23		17782								
23.67		14797								
23.86		11160								
24.27		6927								
24.92		1844								

Manually Integrated Peaks



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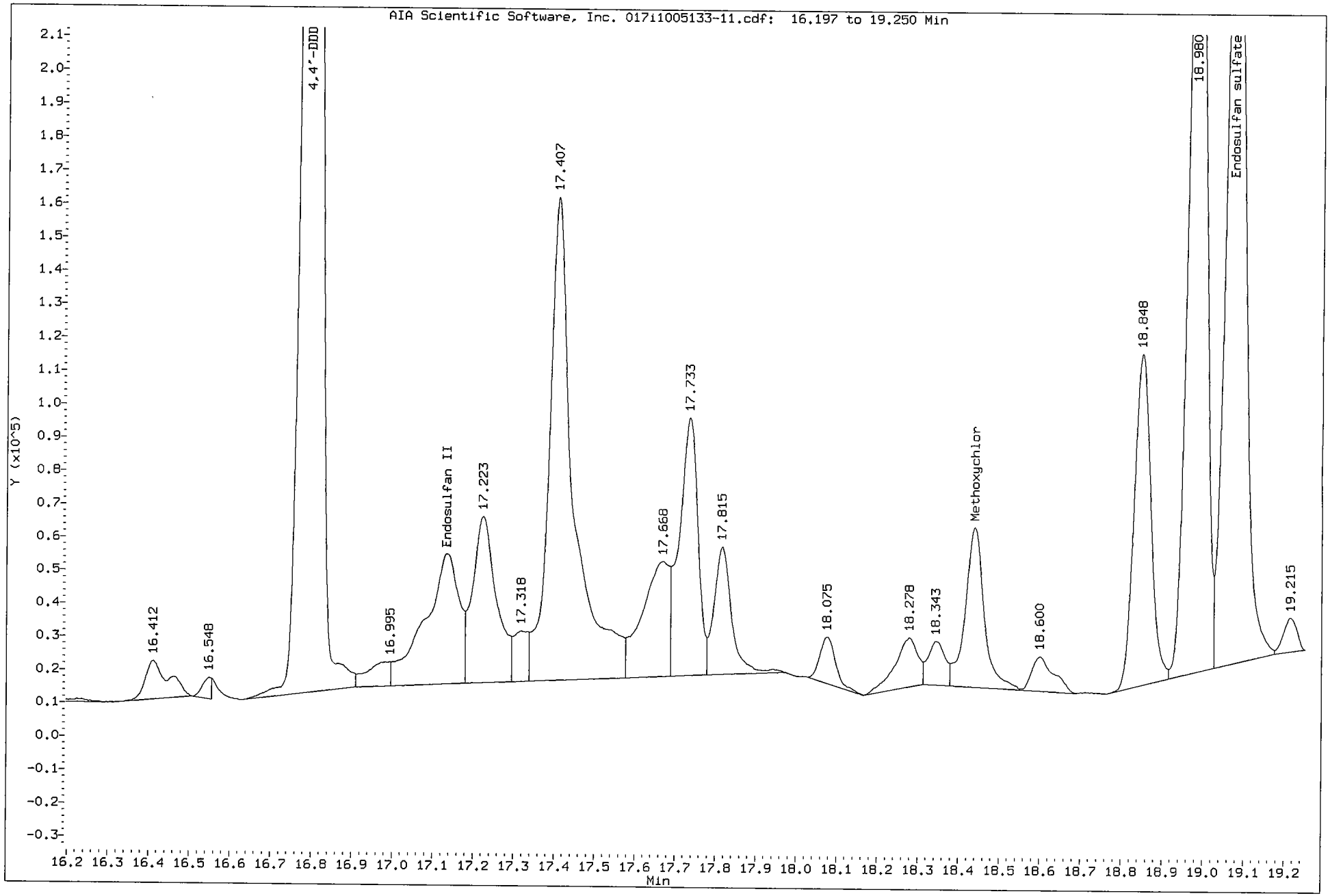
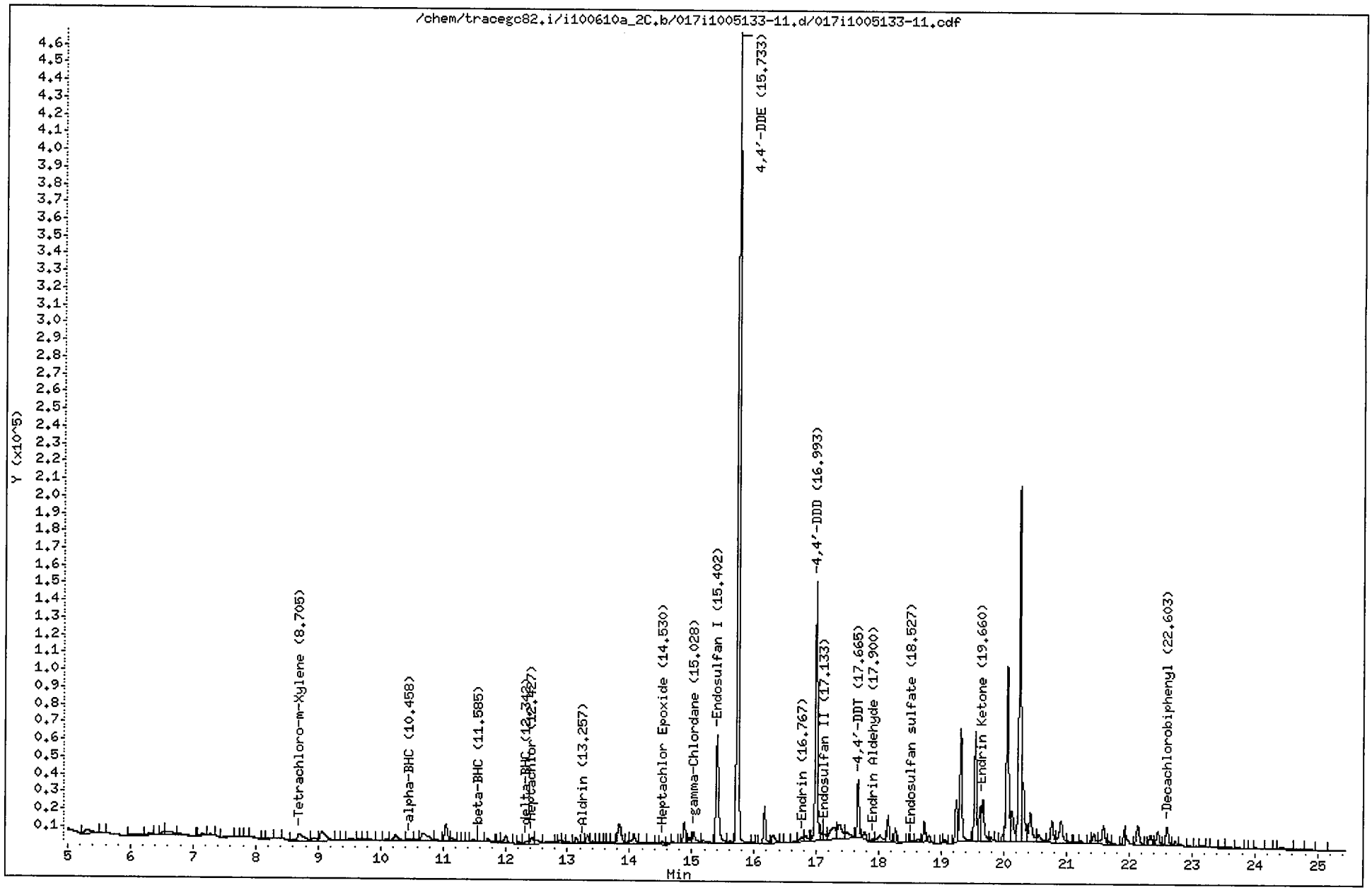
Injection Date: 11-JUN-2010 00:17
Instrument: tracegc82.i
Client Sample ID: SS67-0-1



Data File: /chem/tracegc82.i/i100610a_2C.b/017i1005133-11.d
Date : 11-JUN-2010 00:17
Client ID: SS67-0-1
Sample Info: 1005133-11
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-11 Client Smp Id : SS67-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 00:17 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610a_2C.b/8081A_clpest2v6.m
Misc. Info : SS67-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 55(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.43			24422605								
3.17			119958								
3.47			687397								
4.24			1099								
4.37			8771								
4.52			60915								
4.88			38767								
5.33			13592								
5.55			745								
6.10			4085								
6.32			3105								
6.52			6096								
6.60			15658								
6.78			7321								
7.17			6064								
7.27			2123								
7.56			4263								
7.71			403								
7.86			1205								
7.95			2772								
8.13			395								
8.24			1916								
8.34			1244								
8.70	8.63	8.77	28305	708805	Tetrachloro-m-Xylene	0.039933	14.79015		66.6*	70 - 125	R
8.95			6569								
9.06			35609								
9.31			1225								
9.41			361								
9.53			6634								
9.66			3633								
9.74			2889								
9.84			4310								
9.99			1713								
10.09			3003								
10.24			16534								
10.46	10.36	10.50	3976	1189972	alpha-BHC	0.003340	1.237190	3.777778			J
10.59			2721								

6/11/10

CompuChem

Lab Smp Id : 1005133-11 Client Smp Id : SS67-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 00:17 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610a_2C.b/8081A_clpest2v6.m
Misc. Info : SS67-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 55(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
10.69		30693								
10.89		3777								
11.05		29700								
11.14		5769								
11.27		313								
11.40		532								
11.48		3047								
11.58	11.55 11.69	1475	437132	beta-BHC	0.003372	1.248880	3.777778			J
11.72		6925								
11.90		1074								
12.01		12285								
12.22		3689								
12.34	12.26 12.40	6402	1032470	delta-BHC	0.006200	2.296184	3.777778			J
12.43	12.38 12.52	10740	997000	Heptachlor	0.010772	3.989748	3.777778			
12.49		11151								
12.74		8691								
12.82		1865								
12.88		6190								
12.93		3681								
13.01		5125								
13.14		9522								
13.26	13.15 13.29	3124	934385	Aldrin	0.003342	1.237891	3.777778			J
13.32		13915								
13.40		3868								
13.47		3706								
13.54		2699								
13.61		1407								
13.64		3143								
13.74		4189								
13.83		45981								
13.98		3971								
14.07		17965								
14.18		4253								
14.34		3204								
14.43		480								
14.53	14.49 14.63	4860	854658	Heptachlor Epoxide	0.005685	2.105673	3.777778			J
14.65		1968								

CompuChem

Lab Smp Id : 1005133-11 Client Smp Id : SS67-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 00:17 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610a_2C.b/8081A_clpest2v6.m
Misc. Info : SS67-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 55(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
14.70		3132								
14.80		1508								
14.88		29121								
14.95		8196								
15.03	14.93 15.07	24150	865155	gamma-Chlordane	0.027913	10.33812	3.777778			
15.18		8647								
15.40	15.37 15.51	188739	789088	Endosulfan I	0.239185	88.58709	3.777778			E
15.62		5054								
15.73	15.66 15.80	1040814	742671	4,4'-DDE	1.401446	519.0542	7.333333			E
15.98		612								
16.17		48740								
16.30		18201								
16.55		2096								
16.65		3523								
16.77	16.65 16.79	8652	615390	Endrin	0.014059	5.207177	7.333333			J
16.83		10879								
16.91		3065								
16.99	16.92 17.06	333611	531489	4,4'-DDD	0.627692	232.4784	7.333333			EMC
17.06		11220								
17.13	17.12 17.26	10551	626482	Endosulfan II	0.016840	6.237058	7.333333			JMC
17.28		45427								
17.37		45540								
17.49		21379								
17.66	17.59 17.73	74445	587788	4,4'-DDT	0.126653	46.90849	7.333333			
17.77		14004								
17.90	17.85 17.99	6235	494934	Endrin Aldehyde	0.012596	4.665046	7.333333			J
18.01		21612								
18.14		34958								
18.26		18693								
18.35		2475								
18.45		272								
18.53	18.45 18.59	2371	546189	Endosulfan sulfate	0.004339	1.607096	7.333333			J
18.63		4809								
18.73		25568								
18.80		11020								
18.96		551								
19.00		541								

JMC 6/11/10

CompuChem

Lab Smp Id : 1005133-11 Client Smp Id : SS67-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 00:17 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610a_2C.b/8081A_clpest2v6.m
Misc. Info : SS67-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 55(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
19.06		3867								
19.24		56538								
19.31		157725								
19.54		144196								
19.61		47274								
19.66	19.60 19.74	70478	610811	Endrin Ketone	0.115384	42.73491	7.333333			
19.80		3963								
19.98		7714								
20.05		263019								
20.13		58502								
20.25		484798								
20.30		94145								
20.42		60476								
20.55		20524								
20.77		39848								
20.91		51169								
21.02		4193								
21.16		2550								
21.23		6092								
21.39		3843								
21.44		19901								
21.59		35670								
21.68		5271								
21.75		2334								
21.93		20357								
22.14		36176								
22.27		995								
22.34		17844								
22.46		26875								
22.60	22.53 22.67	33668	535699	Decachlorobiphenyl	0.062849	23.27730		52.4*	55 - 130	R
22,73		7975								
22.82		3677								
22.97		1399								
23.07		718								
23.14		1754								
23.25		564								
23.47		930								

CompuChem

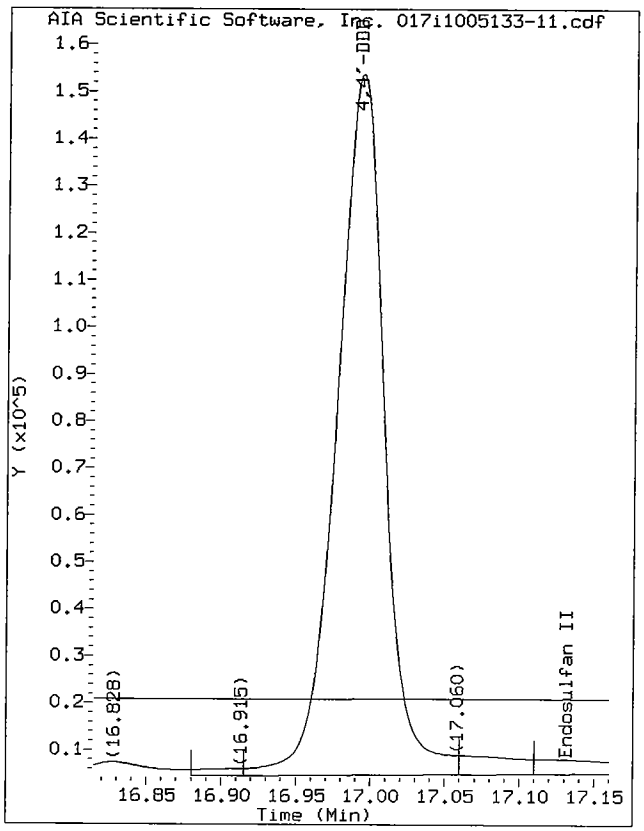
Lab Smp Id : 1005133-11 Client Smp Id : SS67-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 00:17 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610a_2C.b/8081A_clpest2v6.m
Misc. Info : SS67-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 55(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
23.59		1411								
23.72		1462								
23.95		710								
24.02		2044								
24.36		762								
24.42		7161								
24.72		3201								
24.85		3102								
25.04		1842								

Manually Integrated Peaks



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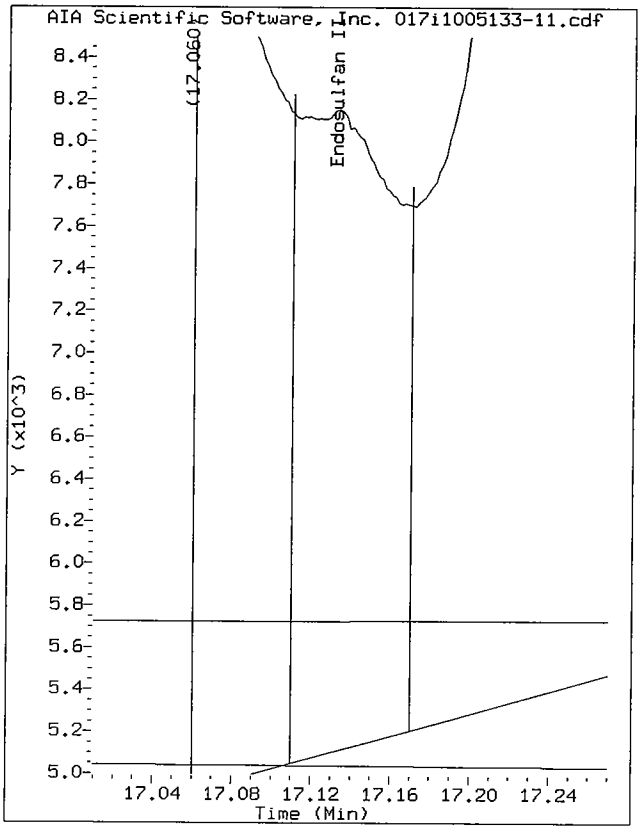

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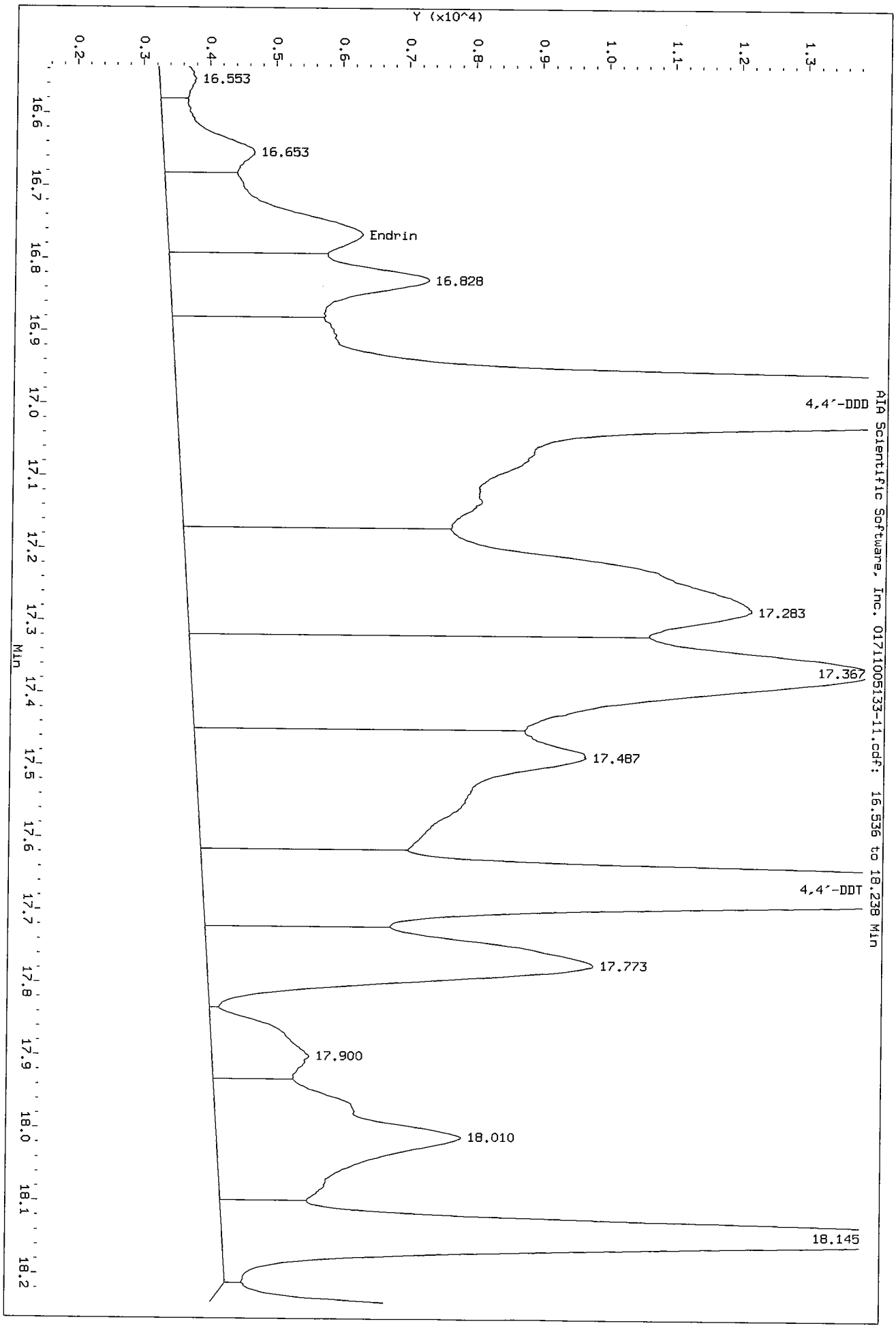
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Injection Date: 11-JUN-2010 00:17
Instrument: tracegc82.i
Client Sample ID: SS67-0-1
Y (x10^4)
16.553
16.653
Endrin
16.828
4,4'-DDD
17.283
17.367
17.487
4,4'-DDT
17.773
17.900
18.010
18.145
AIA Scientific Software, Inc. 017i1005133-11.cdf: 16.536 to 18.238 Min
Min

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS67-0-1DL

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-11RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 55 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 10.0

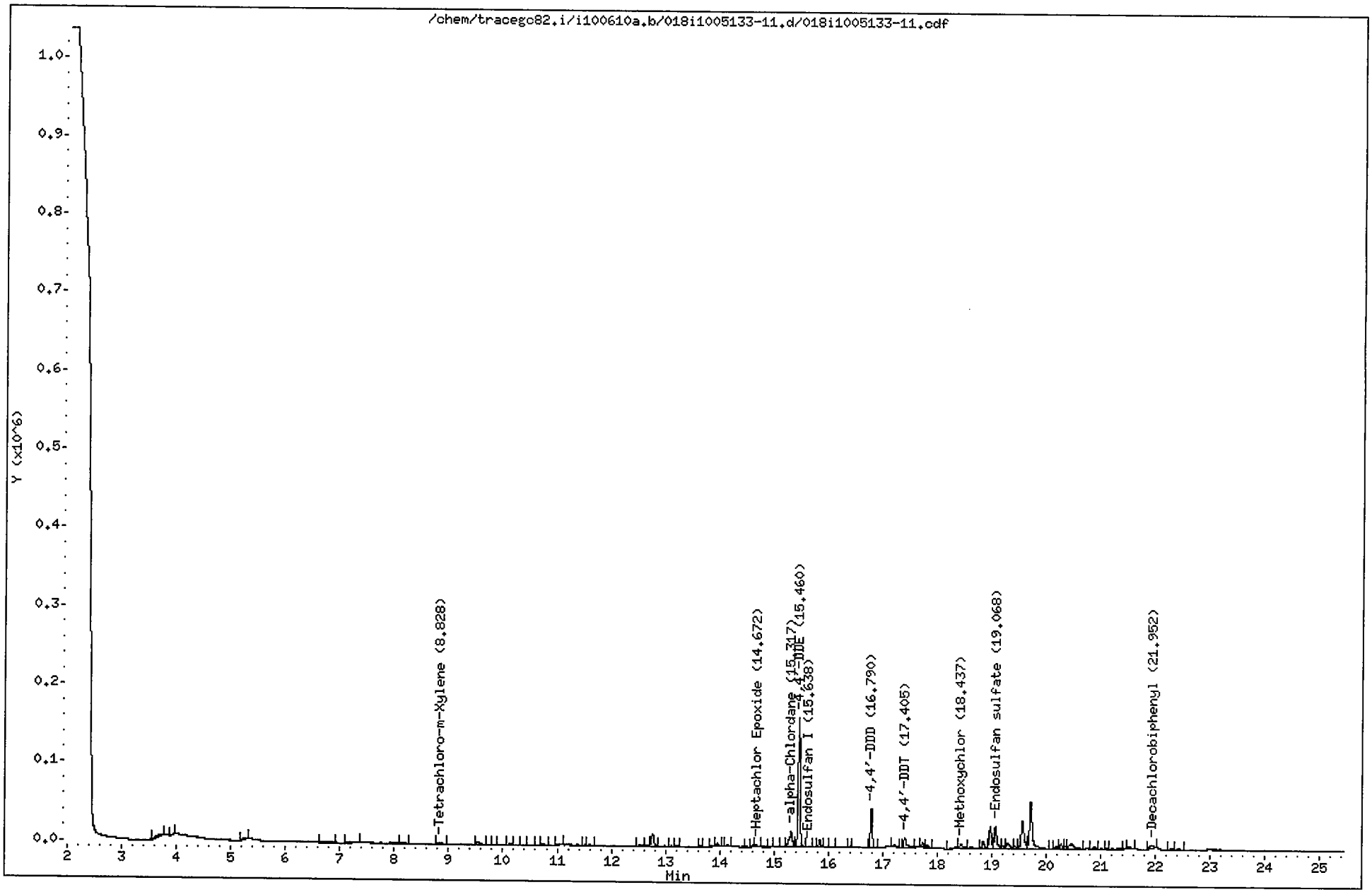
GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	38	U
319-85-7	beta-BHC	38	U
319-84-6	alpha-BHC	38	U
319-86-8	delta-BHC	38	U
58-89-9	gamma-BHC (Lindane)	38	U
72-54-8	4,4'-DDD	170	D
72-55-9	4,4'-DDE	410	D
50-29-3	4,4'-DDT	44	DJ
60-57-1	Dieldrin	73	U
959-98-8	Endosulfan I	4.4	DJP
33213-65-9	Endosulfan II	73	U
1031-07-8	Endosulfan sulfate	73	U
72-20-8	Endrin	73	U
7421-93-4	Endrin Aldehyde	73	U
76-44-8	Heptachlor	38	U
1024-57-3	Heptachlor Epoxide	38	U
72-43-5	Methoxychlor	380	U
8001-35-2	Toxaphene	1800	U
53494-70-5	Endrin Ketone	73	U
5103-74-2	gamma-Chlordane	38	U
5103-71-9	alpha-Chlordane	38	U

Data File: /chem/tracegc82.i/i100610a.b/018i1005133-11.d
Date : 11-JUN-2010 00:46
Client ID: SS67-0-1DL
Sample Info: 1005133-11RE1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-11RE1
Client Smp Id : SS67-0-1DL
Sample Type : SAMPLE
Sublist : DODPEST
Inj Date : 11-JUN-2010 00:46
Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610a.b/8081A_clpestv6.m
Misc. Info : SS67-0-1DL

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 10.0
Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul)
Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g)
M Moisture: 55(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.41			1903343								
3.73			14704								
3.97			1875								
5.28			5860								
6.72			11301								
7.25			12793								
8.15			4025								
8.83	8.77	8.91	8652	2945399	Tetrachloro-m-Xylene	0.002937	10.87824		49.0*	70 - 125	R
9.54			13434								
9.85			1046								
10.14			2617								
10.37			1404								
10.66			877								
10.72			3215								
11.05			4279								
11.52			1704								
11.60			3875								
12.55			3690								
12.66			3152								
12.76			46950								
13.11			923								
13.20			2203								
13.64			1020								
13.86			2519								
13.96			10040								
14.14			4482								
14.49			1626								
14.61			3673								
14.67	14.60	14.74	6213	4017505	Heptachlor Epoxide	0.001546	5.727712	37.77778			J
14.93			1732								
15.17			1842								
15.32	15.20	15.34	84292	3452365	alpha-Chlordane	0.024415	90.42754	37.77778			
15.46	15.39	15.53	417190	3488364	4,4'-DDE	0.119594	442.9425	73.33333			
15.64	15.50	15.64	4209	3581308	Endosulfan I	0.001175	4.352848	37.77778			J
15.84			20947								
15.96			1909								
16.09			1020								

6/11/10

CompuChem

Lab Smp Id : 1005133-11RE1
Client Smp Id : SS67-0-1DL
Sample Type : SAMPLE
Sublist : DODPEST
Inj Date : 11-JUN-2010 00:46
Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610a.b/8081A_clpestv6.m
Misc. Info : SS67-0-1DL

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

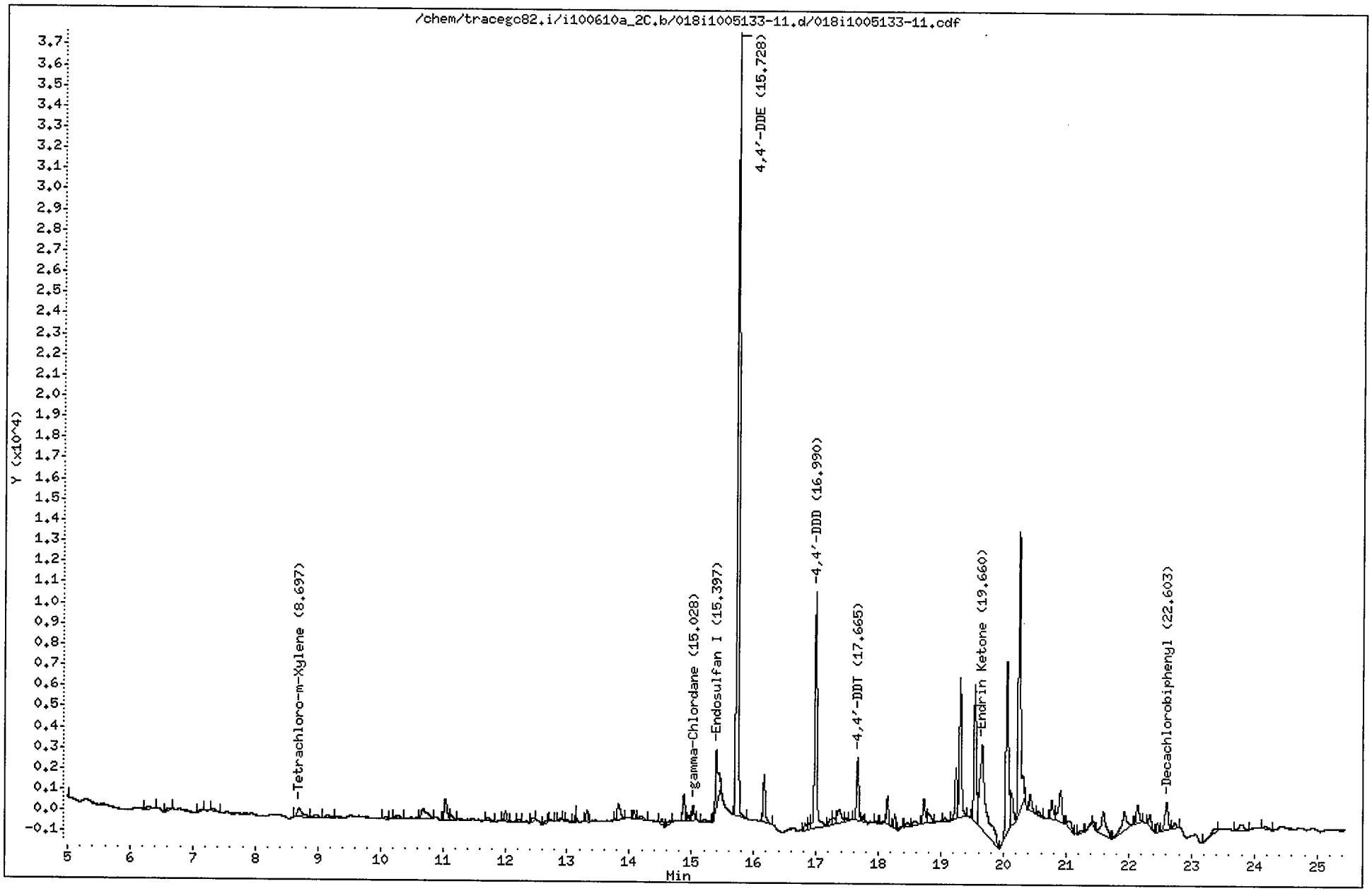
DF Dilution Factor: 10.0
Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul)
Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g)
M Moisture: 55(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
16.41		1858								
16.79	16.72 16.86	122521	2594562	4,4'-DDD	0.047222	174.8971	73.33333			
17.22		8922								
17.40	17.34 17.48	39495	2895586	4,4'-DDT	0.013640	50.51750	73.33333			J
17.73		12827								
17.81		6984								
18.34		11543								
18.44	18.40 18.54	21178	1161132	Methoxychlor	0.018238	67.54904	377.7778			J
18.84		25840								
18.98		76732								
19.07	18.96 19.10	88659	2454690	Endosulfan sulfate	0.036118	133.7711	73.33333			
19.21		11794								
19.30		31684								
19.42		10603								
19.56		132546								
19.72		220364								
20.19		8197								
20.27		17807								
20.35		6612								
20.47		40389								
20.88		9474								
21.11		1125								
21.46		4174								
21.53		9829								
21.95	21.90 22.04	20042	2320776	Decachlorobiphenyl	0.008635	31.98323		72.0	55 - 130	
22.29		4885								
22.42		7326								

Data File: /chem/tracegc82.i/i100610a_2C.b/018i1005133-11.d
Date : 11-JUN-2010 00:46
Client ID: SS67-0-1DL
Sample Info: 1005133-11RE1
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-11RE1 Client Smp Id : SS67-0-1DL
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 00:46 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610a_2C.b/8081A_clpest2v6.m
Misc. Info : SS67-0-1DL

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 10.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 55(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.36			287								
1.42			57103974								
3.20			2247								
3.54			22868								
4.51			941								
4.87			1827								
6.30			717								
6.64			578								
7.15			183								
7.32			421								
8.70	8.63	8.77	2630	708805	Tetrachloro-m-Xylene	0.003710	13.74248		61.8*	70 - 125	R
8.96			1047								
9.15			648								
10.09			321								
10.28			681								
10.69			3015								
11.04			3325								
11.14			709								
11.72			828								
12.01			1288								
12.22			393								
12.44			427								
12.65			194								
12.74			167								
12.89			259								
13.00			306								
13.14			423								
13.32			1341								
13.82			2745								
14.07			884								
14.19			921								
14.53			828								
14.65			595								
14.88			2977								
14.96			472								
15.03	14.93	15.07	1660	865155	gamma-Chlordane	0.001919	7.106412	37.77778			J
15.21			500								

6/11/10

CompuChem

Lab Smp Id : 1005133-11RE1 Client Smp Id : SS67-0-1DL
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 00:46 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610a_2C.b/8081A_clpest2v6.m
Misc. Info : SS67-0-1DL

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 10.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 55(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
15.40	15.37 15.51	8303	789088	Endosulfan I	0.010522	38.97141	37.77778			
15.73	15.66 15.80	81787	742671	4,4'-DDE	0.110125	407.8720	73.33333			
16.17		5400								
16.83		870								
16.91		707								
16.99	16.92 17.06	28032	531489	4,4'-DDD	0.052742	195.3423	73.33333			
17.23		712								
17.28		1087								
17.37		2932								
17.49		436								
17.66	17.59 17.73	6909	587788	4,4'-DDT	0.011754	43.53425	73.33333			J
17.75		537								
17.96		271								
18.09		217								
18.14		3086								
18.26		1527								
18.36		400								
18.46		748								
18.59		1082								
18.73		2972								
18.80		1908								
19.07		458								
19.24		5601								
19.31		16550								
19.54		16673								
19.66	19.60 19.74	27870	610811	Endrin Ketone	0.045628	168.9920	73.33333			
20.05		23829								
20.13		4293								
20.25		35835								
20.43		2319								
20.56		569								
20.77		2736								
20.91		5312								
21.07		1558								
21.23		442								
21.39		326								
21.43		600								

CompuChem

Lab Smp Id : 1005133-11RE1 Client Smp Id : SS67-0-1DL
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 00:46 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610a_2C.b/8081A_clpest2v6.m
Misc. Info : SS67-0-1DL

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 10.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 55(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
21.59		5703								
21.93		5337								
22.14		2925								
22.34		1816								
22.46		1087								
22.60	22.53 22.67	4724	535699	Decachlorobiphenyl	0.008817	32.65376		73.5	55 - 130	
22.73		688								
23.38		1036								
23.80		1651								
24.18		636								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS68-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-20

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

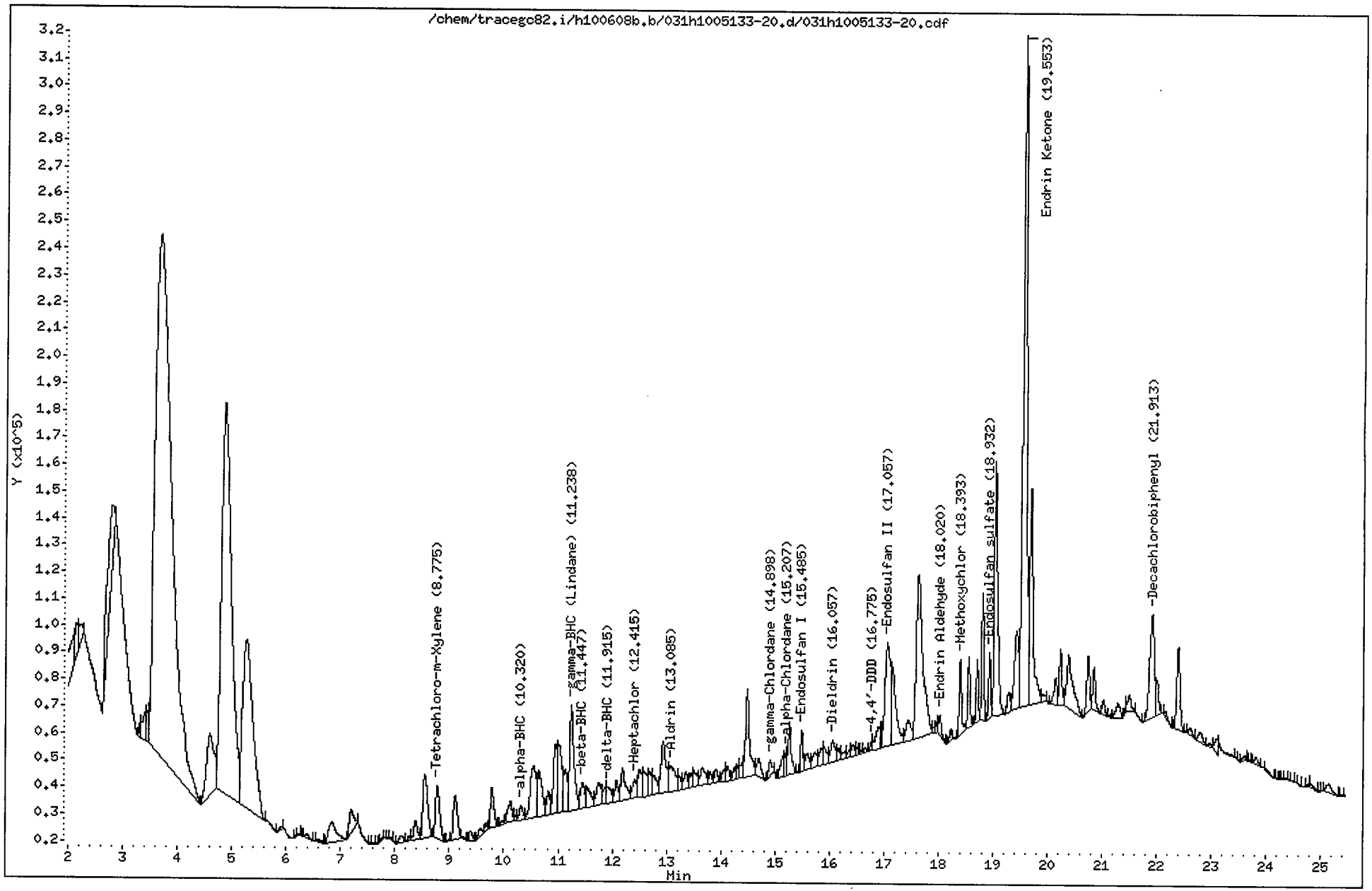
GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	0.34	JP
319-85-7	beta-BHC	2.0	P
319-84-6	alpha-BHC	2.0	U
319-86-8	delta-BHC	0.69	JP
58-89-9	gamma-BHC (Lindane)	0.36	JP
72-54-8	4,4'-DDD	0.90	JP
72-55-9	4,4'-DDE	3.9	U
50-29-3	4,4'-DDT	3.9	U
60-57-1	Dieldrin	0.64	JP
959-98-8	Endosulfan I	3.1	P
33213-65-9	Endosulfan II	3.9	U
1031-07-8	Endosulfan sulfate	6.9	
72-20-8	Endrin	3.9	U
7421-93-4	Endrin Aldehyde	3.2	JP
76-44-8	Heptachlor	1.6	J
1024-57-3	Heptachlor Epoxide	2.0	U
72-43-5	Methoxychlor	15	J
8001-35-2	Toxaphene	98	U
53494-70-5	Endrin Ketone	22	P
5103-74-2	gamma-Chlordane	1.8	JP
5103-71-9	alpha-Chlordane	1.2	JP

Data File: /chem/tracegc82.i/h100608b.b/031h1005133-20.d
Date : 09-JUN-2010 19:50
Client ID: SS68-0-1
Sample Info: 1005133-20
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: AHW
Column diameter: 0.32



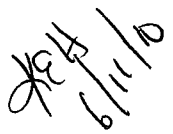
CompuChem

Lab Smp Id : 1005133-20 Client Smp Id : SS68-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 19:50 Inst ID : TRACEGC82
Operator : AHW
Method : /chem/tracegc82.i/h100608b.b/8081A_clpestv6.m
Misc. Info : SS68-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
0.39		477								
0.43		369								
0.55		358								
0.81		293								
1.04		2120								
1.13		10615								
1.20		1485								
1.29		1403								
1.48		114987								
1.79		211854								
1.82		57843								
1.89		30445								
1.96		51988								
2.08		81433								
2.15		46182								
2.21		33379								
2.79		258048								
3.32		11980								
3.41		43765								
3.46		36750								
3.66		4088569								
4.60		214599								
4.86		1838850								
5.27		835023								
5.90		5145								
6.17		1103								
6.22		2316								
6.29		703								
6.39		8066								
6.59		4096								
6.84		73706								
7.20		48754								
7.54		617								
7.69		303								
7.78		1186								
7.86		660								
7.92		2159								



CompuChem

Lab Smp Id : 1005133-20 Client Smp Id : SS68-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 19:50 Inst ID :
Operator : AHW
Method : /chem/tracegc82.i/h100608b.b/8081A_clpestv6.m
Misc. Info : SS68-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
8.12			15037								
8.26			7306								
8.38			36077								
8.54			146984								
8.78	8.69	8.83	110164	2301868	Tetrachloro-m-Xylene	0.047859	9.384023		79.8	70 - 125	
8.98			1129								
9.11			85791								
9.26			2761								
9.39			15659								
9.57			11989								
9.68			7803								
9.78			65355								
9.97			3684								
10.12			43750								
10.21			6156								
10.32	10.28	10.42	24378	4405790	alpha-BHC	0.005533	1.084891	2.000000			J
10.55			142109								
10.65			104320								
10.81			36437								
10.95			109128								
11.01			153536								
11.13			67161								
11.24	11.13	11.27	215129	4029818	gamma-BHC (Lindane)	0.053384	10.46746	2.000000			
11.45	11.38	11.52	51726	1459142	beta-BHC	0.035449	6.950765	2.000000			
11.54			45679								
11.74			56143								
11.87			20551								
11.92	11.83	11.97	37494	3715660	delta-BHC	0.010091	1.978589	2.000000			
12.07			32226								
12.19			74338								
12.42	12.35	12.49	36012	3684488	Heptachlor	0.009774	1.916408	2.000000			J
12.50			49891								
12.59			49939								
12.69			40475								
12.78			36678								
12.93			120823								
13.08	13.08	13.22	77055	3341085	Aldrin	0.023063	4.522131	2.000000			

6/11/10

CompuChem

Lab Smp Id : 1005133-20 Client Smp Id : SS68-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 19:50 Inst ID :
Operator : AHW
Method : /chem/tracegc82.i/h100608b.b/8081A_clpestv6.m
Misc. Info : SS68-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
13.23		21130								
13.35		31699								
13.45		18383								
13.51		33602								
13.65		43107								
13.80		15458								
13.91		21468								
14.05		15665								
14.13		23425								
14.25		14840								
14.32		16599								
14.39		17979								
14.48		169009								
14.69		42747								
14.90	14.82 14.96	27799	3005622	gamma-Chlordane	0.009249	1.813529	2.000000			J
15.14		32572								
15.21	15.13 15.27	27171	2539038	alpha-Chlordane	0.010701	2.098217	2.000000			
15.26		76320								
15.42		531								
15.48	15.43 15.57	43440	2745735	Endosulfan I	0.015821	3.102066	2.000000			
15.59		29775								
15.74		31389								
15.86		34547								
15.90		28395								
16.06	15.98 16.12	45640	2641458	Dieldrin	0.017278	3.387836	3.882353			J
16.16		15741								
16.27		13905								
16.37		7679								
16.42		17331								
16.49		10421								
16.55		1389								
16.58		3996								
16.65		5946								
16.78	16.66 16.80	8682	1884902	4,4'-DDD	0.004606	0.903048	3.882353			J
16.90		54175								
16.95		9055								
17.06	17.00 17.14	280913	2129109	Endosulfan II	0.131939	25.87044	3.882353			

CompuChem

Lab Smp Id : 1005133-20 Client Smp Id : SS68-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 19:50 Inst ID :
Operator : AHW
Method : /chem/tracegc82.i/h100608b.b/8081A_clpestv6.m
Misc. Info : SS68-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
17.15		148865								
17.44		50216								
17.62		511077								
17.90		5189								
17.97		11049								
18.02	17.93 18.07	25590	1591159	Endrin Aldehyde	0.016083	3.153455	3.882353			J
18.22		12168								
18.28		2255								
18.39	18.34 18.48	86962	832564	Methoxychlor	0.104450	20.48031	20.00000			
18.55		75336								
18.70		59727								
18.80		131159								
18.93	18.89 19.03	63379	1802015	Endosulfan sulfate	0.035171	6.896202	3.882353			
19.03		399165								
19.28		26783								
19.42		153686								
19.55	19.51 19.65	1192616	2060691	Endrin Ketone	0.578746	113.4795	3.882353			E
19.69		380188								
19.91		12089								
20.14		42113								
20.23		68516								
20.38		162185								
20.74		76355								
20.84		53455								
21.02		17059								
21.14		2367								
21.28		29653								
21.43		5595								
21.50		25930								
21.76		362								
21.91	21.84 21.98	223265	1657019	Decachlorobiphenyl	0.134739	26.41941		112.3	55 - 130	
22.00		44170								
22.15		9208								
22.39		128618								
22.53		397								
22.61		10143								
22.79		18903								

CompuChem

Lab Smp Id : 1005133-20 Client Smp Id : SS68-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 19:50 Inst ID :
Operator : AHW
Method : /chem/tracegc82.i/h100608b.b/8081A_clpestv6.m
Misc. Info : SS68-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
22.95		3667								
23.09		22879								
23.42		1062								
23.59		6319								
23.68		698								
23.74		606								
23.80		11267								
23.99		4529								
24.18		622								
24.25		296								
24.28		461								
24.31		1130								
24.40		700								
24.46		755								
24.57		1369								
24.78		2516								
24.80		6693								
25.02		298								
25.13		20985								
25.36		927								

Data File: /chem/tracegc82.i/h100608b_2C.b/031h1005133-20.d

Date : 09-JUN-2010 19:50

Client ID: SS68-0-1

Instrument: tracegc82.i

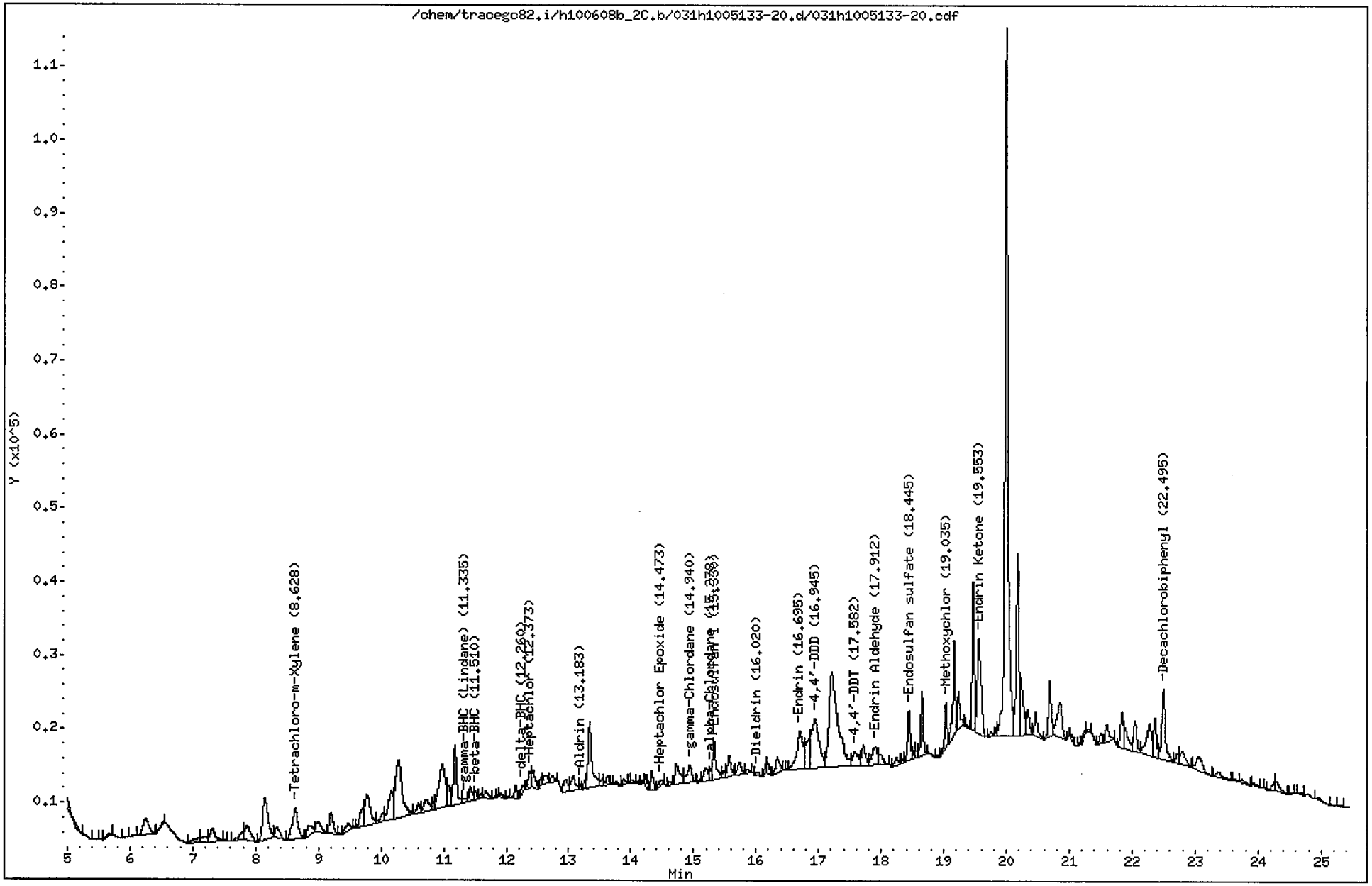
Sample Info: 1005133-20

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-20 Client Smp Id : SS68-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 19:50 Inst ID : TRACEGC82
Operator : AHW
Method : /chem/tracegc82.i/h100608b_2C.b/8081A_clpest2v6.m
Misc. Info : SS68-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.08			287								
1.15			1522								
1.69			212626								
1.83			21001								
1.94			7746								
2.29			20416								
2.40			144643								
2.76			807								
3.02			151915								
3.42			467679								
4.33			567082								
4.80			46528								
4.83			101683								
5.42			203								
5.67			1318								
5.94			562								
6.06			922								
6.25			14230								
6.53			1627								
7.10			4214								
7.18			5439								
7.32			11185								
7.50			501								
7.79			5538								
7.87			14390								
8.14			33542								
8.34			7838								
8.63	8.56	8.70	26373	632710	Tetrachloro-m-Xylene	0.041683	8.173059		69.5*	70 - 125	R
8.87			7449								
9.00			7858								
9.20			11437								
9.34			302								
9.48			4873								
9.72			9566								
9.78			25826								
10.02			5541								
10.17			20262								

6/11/10

CompuChem

Lab Smp Id : 1005133-20 Client Smp Id : SS68-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 19:50 Inst ID :
Operator : AHW
Method : /chem/tracegc82.i/h100608b_2C.b/8081A_clpest2v6.m
Misc. Info : SS68-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
10.28		59578								
10.60		5286								
10.72		9692								
10.85		2857								
10.97		43579								
11.07		9232								
11.18		29437								
11.34	11.23 11.37	1806	979802	gamma-BHC (Lindane)	0.001842	0.361217	2.000000			J
11.43		7539								
11.51	11.47 11.61	3978	386895	beta-BHC	0.010279	2.015544	2.000000			
11.59		1775								
11.68		4319								
11.79		419								
11.87		346								
11.91		1573								
12.03		859								
12.15		5240								
12.26	12.19 12.33	3206	905560	delta-BHC	0.003540	0.694186	2.000000			J
12.37	12.31 12.45	7163	869920	Heptachlor	0.008234	1.614528	2.000000			J
12.43		9225								
12.55		2561								
12.61		5480								
12.73		3540								
12.95		7018								
13.07		9117								
13.18	13.07 13.21	1377	800938	Aldrin	0.001718	0.336860	2.000000			J
13.26		2818								
13.34		38420								
13.53		2472								
13.63		3981								
13.76		1345								
13.88		2267								
13.97		467								
14.01		1617								
14.11		850								
14.18		789								
14.24		3731								

CompuChem

Lab Smp Id : 1005133-20 Client Smp Id : SS68-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 19:50 Inst ID :
Operator : AHW
Method : /chem/tracegc82.i/h100608b_2C.b/8081A_clpest2v6.m
Misc. Info : SS68-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
14.33		7775								
14.47	14.42 14.56	3037	732520	Heptachlor Epoxide	0.004145	0.812666	2.000000			J
14.62		1599								
14.73		15659								
14.94	14.85 14.99	14250	732785	gamma-Chlordane	0.019446	3.813012	2.000000			
15.11		1045								
15.21		8157								
15.28	15.18 15.32	3765	625690	alpha-Chlordane	0.006017	1.179874	2.000000			J
15.33	15.29 15.43	18221	671435	Endosulfan I	0.027137	5.321059	2.000000			
15.48		2776								
15.57		10792								
15.67		785								
15.74		7163								
15.87		2046								
16.02	15.91 16.05	2036	620834	Dieldrin	0.003278	0.642716	3.882353			J
16.15		2534								
16.19		4104								
16.34		9084								
16.49		435								
16.70	16.57 16.71	33712	524294	Endrin	0.064298	12.60744	3.882353			
16.86		21335								
16.94	16.85 16.99	57100	439472	4,4'-DDD	0.129928	25.47618	3.882353			M2
17.21		127892								
17.58	17.52 17.66	12257	475411	4,4'-DDT	0.025782	5.055272	3.882353			
17.72		12306								
17.91	17.77 17.91	14882	404378	Endrin Aldehyde	0.036802	7.216127	3.882353			
17.99		7196								
18.25		3893								
18.31		537								
18.35		1062								
18.44	18.37 18.51	19874	448710	Endosulfan sulfate	0.044289	8.684154	3.882353			
18.53		2533								
18.57		2132								
18.65		22862								
18.90		656								
19.04	19.00 19.14	14445	188748	Methoxychlor	0.076530	15.00596	20.00000			J
19.16		33481								

6/11/10

CompuChem

Lab Smp Id : 1005133-20 Client Smp Id : SS68-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 19:50 Inst ID :
Operator : AHW
Method : /chem/tracegc82.i/h100608b_2C.b/8081A_clpest2v6.m
Misc. Info : SS68-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
19.23		13224								
19.37		489								
19.47		45252								
19.55	19.52 19.66	53791	485871	Endrin Ketone	0.110710	21.70792	3.882353			
19.75		2108								
19.84		2599								
20.00		334396								
20.18		71414								
20.23		26700								
20.34		12084								
20.47		12166								
20.69		23179								
20.86		26544								
21.00		268								
21.03		1943								
21.16		242								
21.25		1630								
21.30		1625								
21.50		3531								
21.60		8799								
21.84		15434								
21.89		12057								
22.05		14437								
22.28		24077								
22.36		18743								
22.50	22.43 22.57	36703	423349	Decachlorobiphenyl	0.086697	16.99938		72.2	55 - 130	
22.71		4858								
22.79		10350								
22.96		517								
23.05		12755								
23.36		4763								
23.61		443								
23.74		2170								
23.93		999								
24.05		185								
24.26		4018								
24.28		5768								

CompuChem

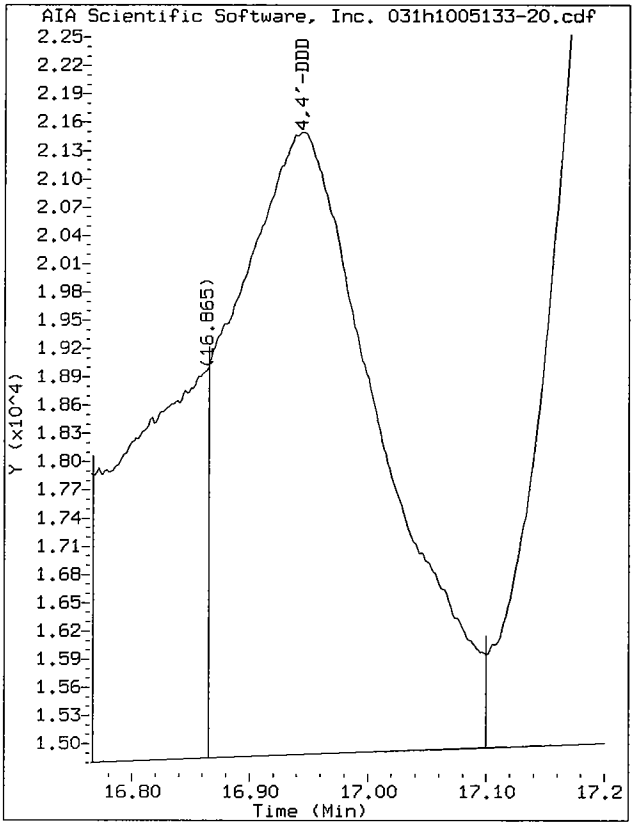
Lab Smp Id : 1005133-20 Client Smp Id : SS68-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 19:50 Inst ID :
Operator : AHW
Method : /chem/tracegc82.i/h100608b_2C.b/8081A_clpest2v6.m
Misc. Info : SS68-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
24.52		384								
24.65		823								
24.95		2375								
25.27		274								

Manually Integrated Peaks



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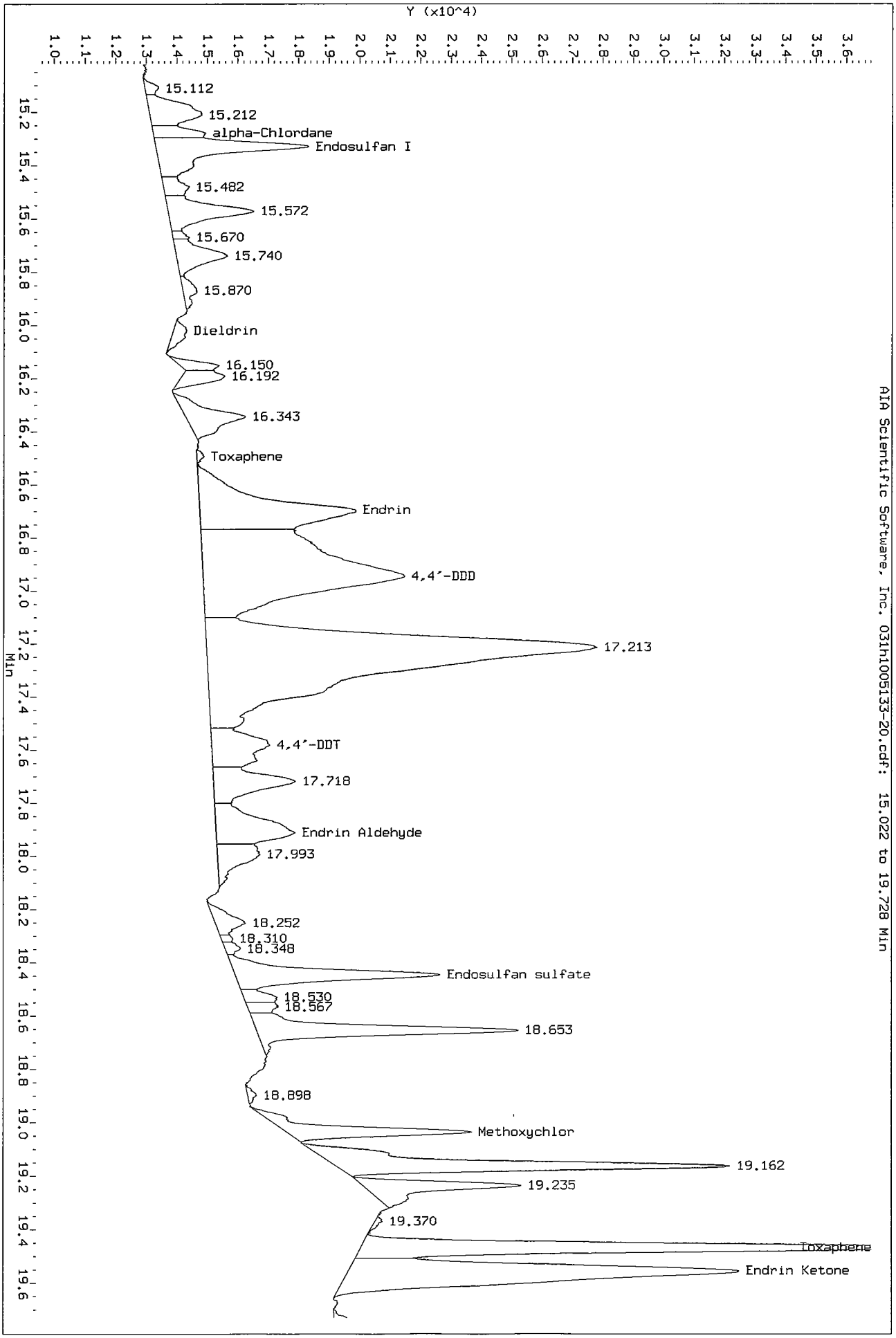
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Injection Date: 09-JUN-2010 19:50
Instrument: tracegc82.i
Client Sample ID: SS68-0-1
Y (x10^4)
Min
AIA Scientific Software, Inc. 031h1005133-20.cdf: 15.022 to 19.728 Min
15.112
15.212
alpha-Chlordane
Endosulfan I
15.482
15.572
15.670
15.740
15.870
Dieldrin
16.150
16.192
16.343
Toxaphene
Endrin
4,4'-DDD
17.213
4,4'-DDT
17.718
Endrin Aldehyde
17.993
18.252
18.310
18.348
Endosulfan sulfate
18.530
18.567
18.653
18.898
Methoxychlor
19.162
19.235
19.370
Toxaphene
Endrin Ketone

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS68-0-1RE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-20RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

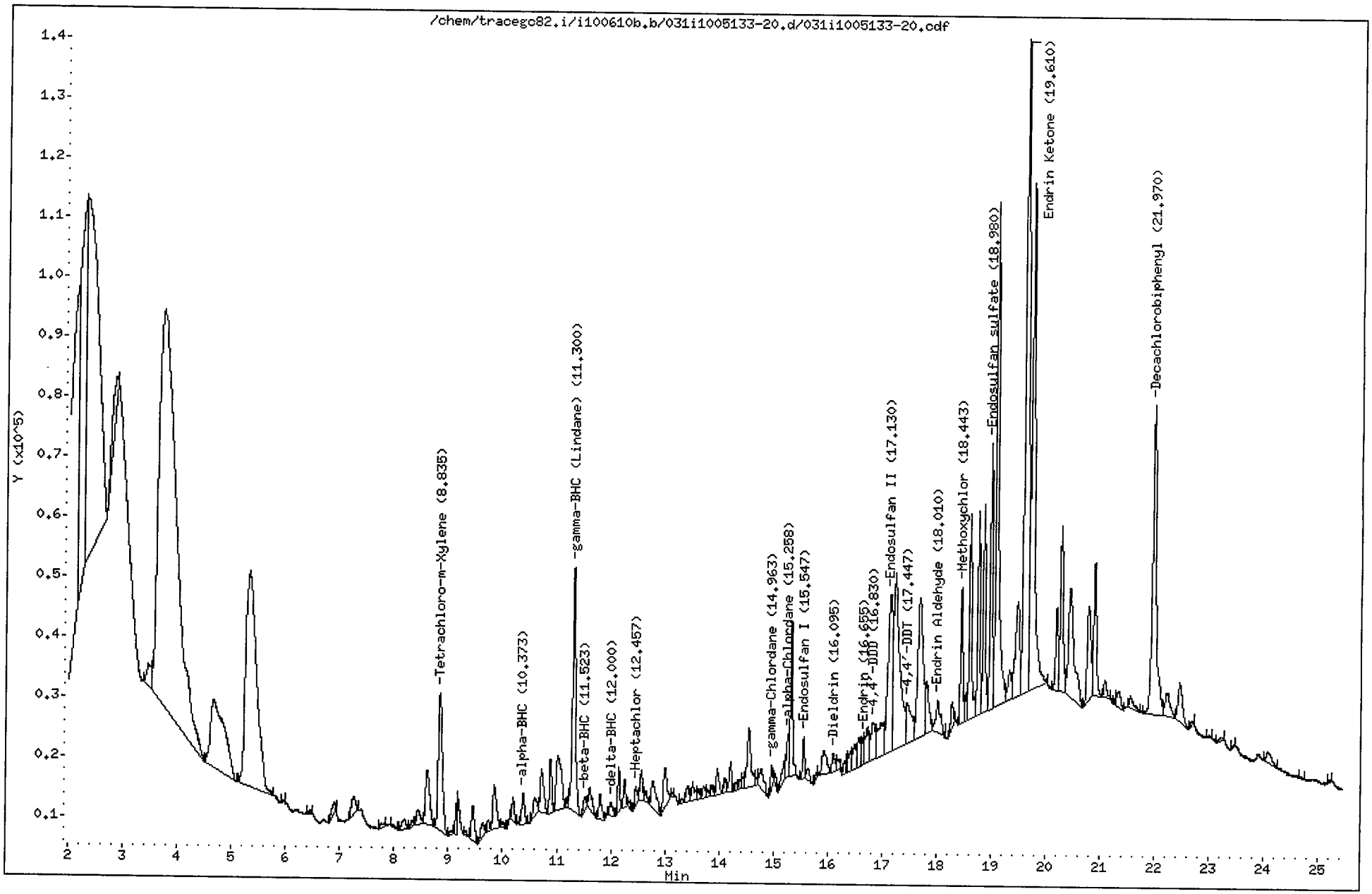
GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	0.47	JP
319-84-6	alpha-BHC	2.0	U
319-86-8	delta-BHC	0.35	J
58-89-9	gamma-BHC (Lindane)	2.0	U
72-54-8	4,4'-DDD	2.5	JP
72-55-9	4,4'-DDE	3.9	U
50-29-3	4,4'-DDT	0.73	JP
60-57-1	Dieldrin	0.57	J
959-98-8	Endosulfan I	0.94	JP
33213-65-9	Endosulfan II	3.9	U
1031-07-8	Endosulfan sulfate	8.4	
72-20-8	Endrin	1.1	JP
7421-93-4	Endrin Aldehyde	1.6	JP
76-44-8	Heptachlor	0.37	JP
1024-57-3	Heptachlor Epoxide	2.0	U
72-43-5	Methoxychlor	20	U
8001-35-2	Toxaphene	98	U
53494-70-5	Endrin Ketone	6.5	P
5103-74-2	gamma-Chlordane	0.45	JP
5103-71-9	alpha-Chlordane	0.23	JP

Data File: /chem/tracegc82.i/i100610b.b/031i1005133-20.d
Date : 11-JUN-2010 07:04
Client ID: SS68-0-1RE
Sample Info: 1005133-20RE1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-20RE1 Client Smp Id : SS68-0-1RE
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 07:04 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610b.b/8081A_clpestv6.m
Misc. Info : SS68-0-1RE

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.03		1441								
1.13		10460								
1.47		24479								
1.89		390709								
2.14		626000								
2.27		453485								
2.30		874867								
2.84		53135								
3.46		22182								
3.71		1488811								
4.66		204651								
5.31		500240								
5.94		1198								
6.43		1857								
6.89		9261								
7.25		16275								
7.77		2275								
7.99		1713								
8.17		9410								
8.33		3422								
8.44		10735								
8.60		49702								
8.84	8.77 8.91	120618	2945399	Tetrachloro-m-Xylene	0.040951	8.029673		68.3*	70 - 125	R
9.04		1969								
9.16		11433								
9.31		2159								
9.45		22619								
9.63		10093								
9.73		5454								
9.85		34229								
10.00		3078								
10.14		1133								
10.19		11183								
10.37	10.35 10.49	19110	5709948	alpha-BHC	0.003347	0.656199	2.000000			J
10.60		13601								
10.72		32922								
10.88		27831								

6/11/10

CompuChem

Lab Smp Id : 1005133-20RE1 Client Smp Id : SS68-0-1RE
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 07:04 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610b.b/8081A_clpestv6.m
Misc. Info : SS68-0-1RE

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.01		63689								
11.20		3114								
11.30	11.20 11.34	159755	5248525	gamma-BHC (Lindane)	0.030438	5.968250	2.000000			
11.52	11.45 11.59	8083	1878412	beta-BHC	0.004303	0.843745	2.000000			J
11.60		15916								
11.80		15281								
11.92		812								
12.00	11.90 12.04	9058	4983578	delta-BHC	0.001818	0.356386	2.000000			J
12.14		20684								
12.25		12630								
12.35		3457								
12.46	12.42 12.56	9100	4844272	Heptachlor	0.001878	0.368294	2.000000			J
12.55		16289								
12.64		5611								
12.77		28429								
13.00		31429								
13.13		1594								
13.30		2832								
13.41		10487								
13.51		12961								
13.62		5230								
13.70		7741								
13.79		3469								
13.87		4998								
13.96		15170								
14.10		7494								
14.21		15238								
14.31		3390								
14.37		3963								
14.43		6339								
14.54		50047								
14.71		3577								
14.76		19247								
14.96	14.89 15.03	9185	4028032	gamma-Chlordane	0.002280	0.447063	2.000000			J
15.03		5270								
15.20		13497								
15.26	15.20 15.34	21019	3452365	alpha-Chlordane	0.006088	1.193782	2.000000			J

CompuChem

Lab Smp Id : 1005133-20RE1 Client Smp Id : SS68-0-1RE
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 07:04 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610b.b/8081A_clpestv6.m
Misc. Info : SS68-0-1RE

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
15.32		73338								
15.55	15.50 15.64	17192	3581308	Endosulfan I	0.004800	0.941216	2.000000			J
15.63		7356								
15.79		1558								
15.92		24342								
16.10	16.05 16.19	10585	3622591	Dieldrin	0.002922	0.572930	3.882353			J
16.18		7431								
16.31		5401								
16.34		5614								
16.41		12919								
16.48		16826								
16.57		19366								
16.66	16.56 16.70	16392	2848850	Endrin	0.005754	1.128147	3.882353			J
16.72		28543								
16.83	16.72 16.86	33132	2594562	4,4'-DDD	0.012770	2.503879	3.882353			J
16.96		48492								
17.13	17.07 17.21	153482	2950278	Endosulfan II	0.052023	10.20057	3.882353			
17.23		224456								
17.45	17.34 17.48	46974	2895586	4,4'-DDT	0.016222	3.180838	3.882353			J
17.68		158003								
17.80		38045								
18.01	17.99 18.13	31542	2244869	Endrin Aldehyde	0.014050	2.754954	3.882353			J
18.14		1063								
18.27		12974								
18.44	18.40 18.54	65735	1161132	Methoxychlor	0.056612	11.10039	20.00000			J
18.52		11717								
18.60		110665								
18.75		97003								
18.85		103989								
18.98	18.96 19.10	131051	2454690	Endosulfan sulfate	0.053388	10.46816	3.882353			
19.08		318140								
19.33		22625								
19.47		89521								
19.61	19.57 19.71	531095	2916991	Endrin Ketone	0.182069	35.69983	3.882353			E
19.73		379745								
20.19		43801								
20.27		100731								

CompuChem

Lab Smp Id : 1005133-20RE1 Client Smp Id : SS68-0-1RE
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 07:04 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610b.b/8081A_clpestv6.m
Misc. Info : SS68-0-1RE

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

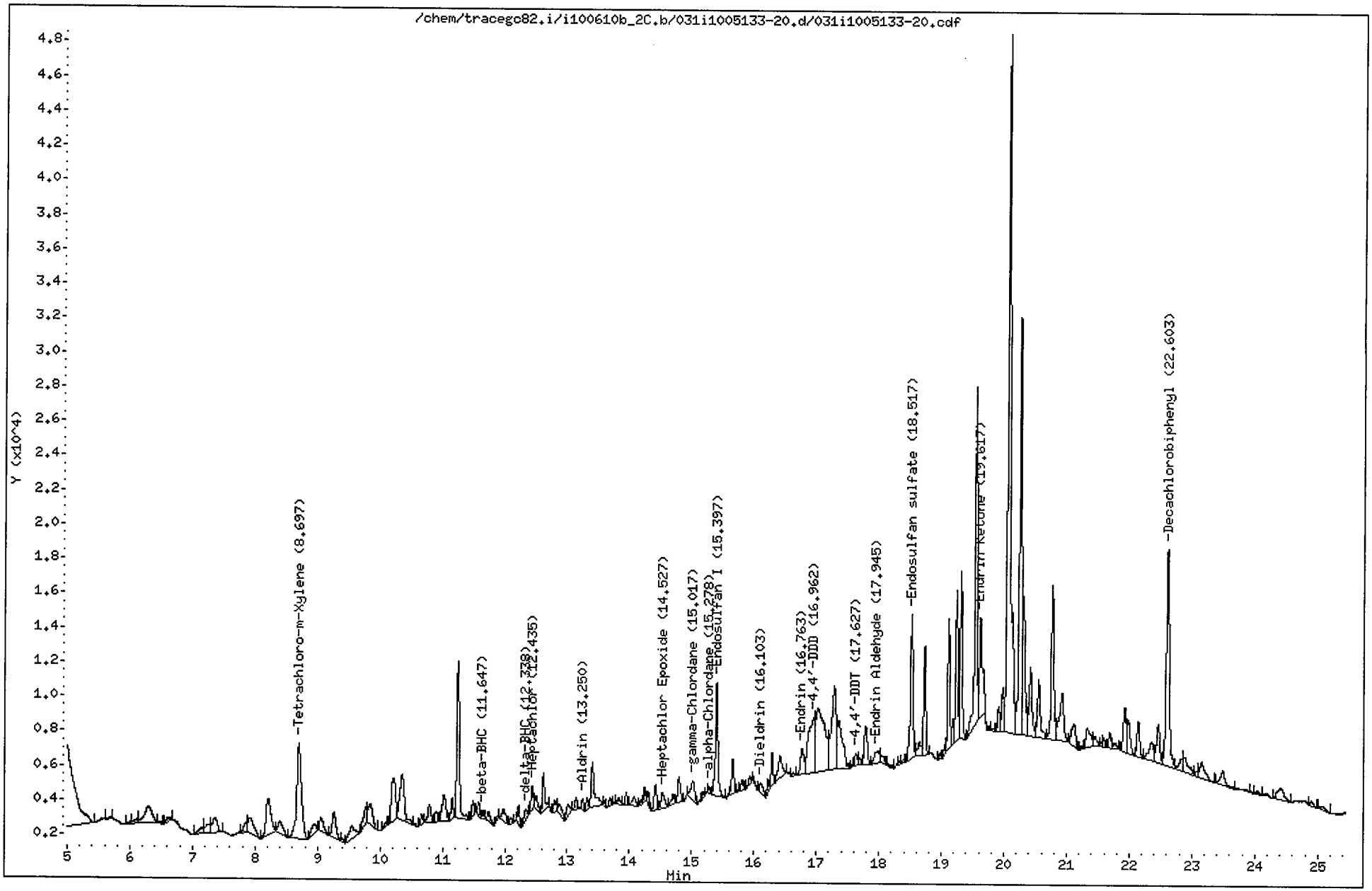
DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
20.43		128890								
20.78		72330								
20.89		81537								
21.08		10625								
21.27		2285								
21.33		11832								
21.55		11513								
21.97	21.90 22.04	260565	2320776	Decachlorobiphenyl	0.112275	22.01461		93.6	55 - 130	
22.22		25998								
22.45		37205								
22.66		2105								
22.97		1043								
23.21		2075								
23.44		1161								
24.07		12757								
24.66		934								
25.21		1249								

-

Data File: /chem/tracegc82.i/i100610b_2C.b/031i1005133-20.d
Date : 11-JUN-2010 07:04
Client ID: SS68-0-1RE
Sample Info: 1005133-20RE1
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-20RE1 Client Smp Id : SS68-0-1RE
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 07:04 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610b_2C.b/8081A_clpest2v6.m
Misc. Info : SS68-0-1RE

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.07			1253								
1.16			6629								
1.38			16341								
2.07			1833563								
3.07			112287								
3.10			145556								
3.45			412959								
4.32			138853								
4.87			134785								
5.69			204								
6.00			378								
6.12			1234								
6.28			8450								
6.48			289								
6.61			1163								
7.17			1750								
7.25			2750								
7.35			4688								
7.87			1797								
7.92			6636								
8.21			11347								
8.39			3675								
8.70	8.63	8.77	29745	708805	Tetrachloro-m-Xylene	0.041965	8.228428		69.9*	70 - 125	R
8.95			2813								
9.05			3713								
9.26			6293								
9.40			500								
9.55			4776								
9.77			4020								
9.85			5595								
10.09			661								
10.22			11840								
10.35			14310								
10.67			1532								
10.79			3756								
10.90			1488								
11.03			6804								

CompuChem

Lab Smp Id : 1005133-20RE1 Client Smp Id : SS68-0-1RE
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 07:04 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610b_2C.b/8081A_clpest2v6.m
Misc. Info : SS68-0-1RE

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.15		2870								
11.24		26672								
11.49		2163								
11.57		1753								
11.65	11.55 11.69	1052	437132	beta-BHC	0.002407	0.471881	2.000000			J
11.74		1840								
11.88		845								
11.97		2840								
12.10		863								
12.22		2440								
12.34	12.26 12.40	1869	1032470	delta-BHC	0.001810	0.354946	2.000000			J
12.44	12.38 12.52	3489	997000	Heptachlor	0.003499	0.686176	2.000000			J
12.50		2479								
12.62		5547								
12.80		2017								
12.87		2571								
13.01		2327								
13.14		1662								
13.25	13.15 13.29	1261	934385	Aldrin	0.001350	0.264618	2.000000			J
13.32		1279								
13.40		9360								
13.60		519								
13.69		963								
13.82		1099								
13.95		1437								
14.07		1960								
14.18		471								
14.24		1495								
14.30		1548								
14.42		4283								
14.53	14.49 14.63	3517	854658	Heptachlor Epoxide	0.004115	0.806882	2.000000			J
14.70		1878								
14.79		4482								
15.02	14.93 15.07	4364	865155	gamma-Chlordane	0.005043	0.988829	2.000000			J
15.18		649								
15.28	15.26 15.40	869	736405	alpha-Chlordane	0.001180	0.231384	2.000000			J
15.40	15.37 15.51	19613	789088	Endosulfan I	0.024854	4.873338	2.000000			

CompuChem

Lab Smp Id : 1005133-20RE1 Client Smp Id : SS68-0-1RE
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 07:04 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610b_2C.b/8081A_clpest2v6.m
Misc. Info : SS68-0-1RE

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
15.66		5059								
15.73		200								
15.81		1685								
15.93		1042								
15.99		748								
16.10	15.98 16.12	2419	743382	Dieldrin	0.003254	0.638048	3.882353			J
16.22		1330								
16.29		3878								
16.41		6130								
16.63		466								
16.76	16.65 16.79	6075	615390	Endrin	0.009870	1.935326	3.882353			J
16.96	16.92 17.06	22175	531489	4,4'-DDD	0.041721	8.180499	3.882353			
17.02		36739								
17.28		25299								
17.36		16631								
17.57		230								
17.63	17.59 17.73	2192	587788	4,4'-DDT	0.003729	0.731223	3.882353			JM2
17.69		1003								
17.78		7719								
17.94	17.85 17.99	3992	494934	Endrin Aldehyde	0.008066	1.581515	3.882353			J
18.04		1649								
18.14		554								
18.32		383								
18.39		506								
18.52	18.45 18.59	23401	546189	Endosulfan sulfate	0.042844	8.400816	3.882353			
18.64		3192								
18.73		14875								
18.98		637								
19.05		856								
19.11		17120								
19.18		3005								
19.23		19999								
19.31		22948								
19.54		48269								
19.62	19.60 19.74	20205	610811	Endrin Ketone	0.033077	6.485749	3.882353			
19.75		383								
19.82		377								

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CompuChem

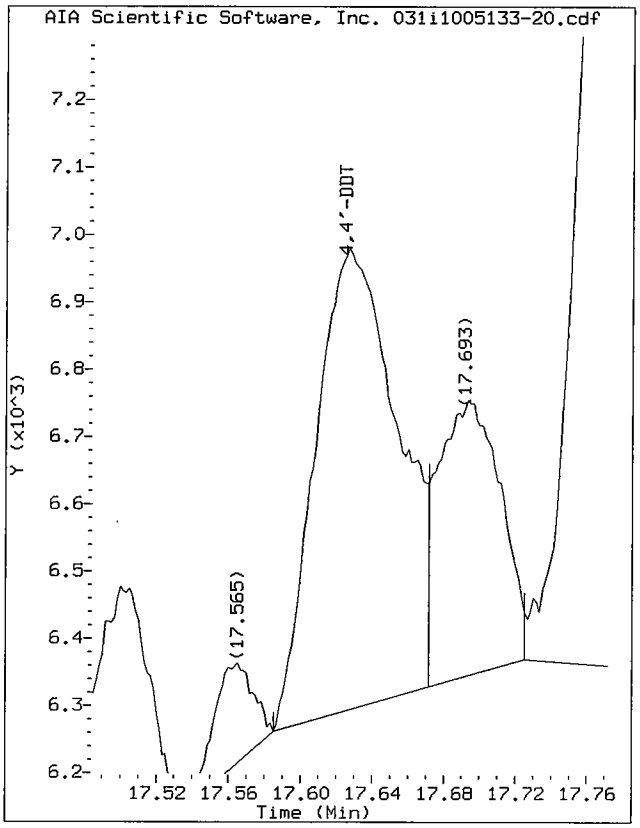
Lab Smp Id : 1005133-20RE1 Client Smp Id : SS68-0-1RE
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 07:04 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610b_2C.b/8081A_clpest2v6.m
Misc. Info : SS68-0-1RE

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

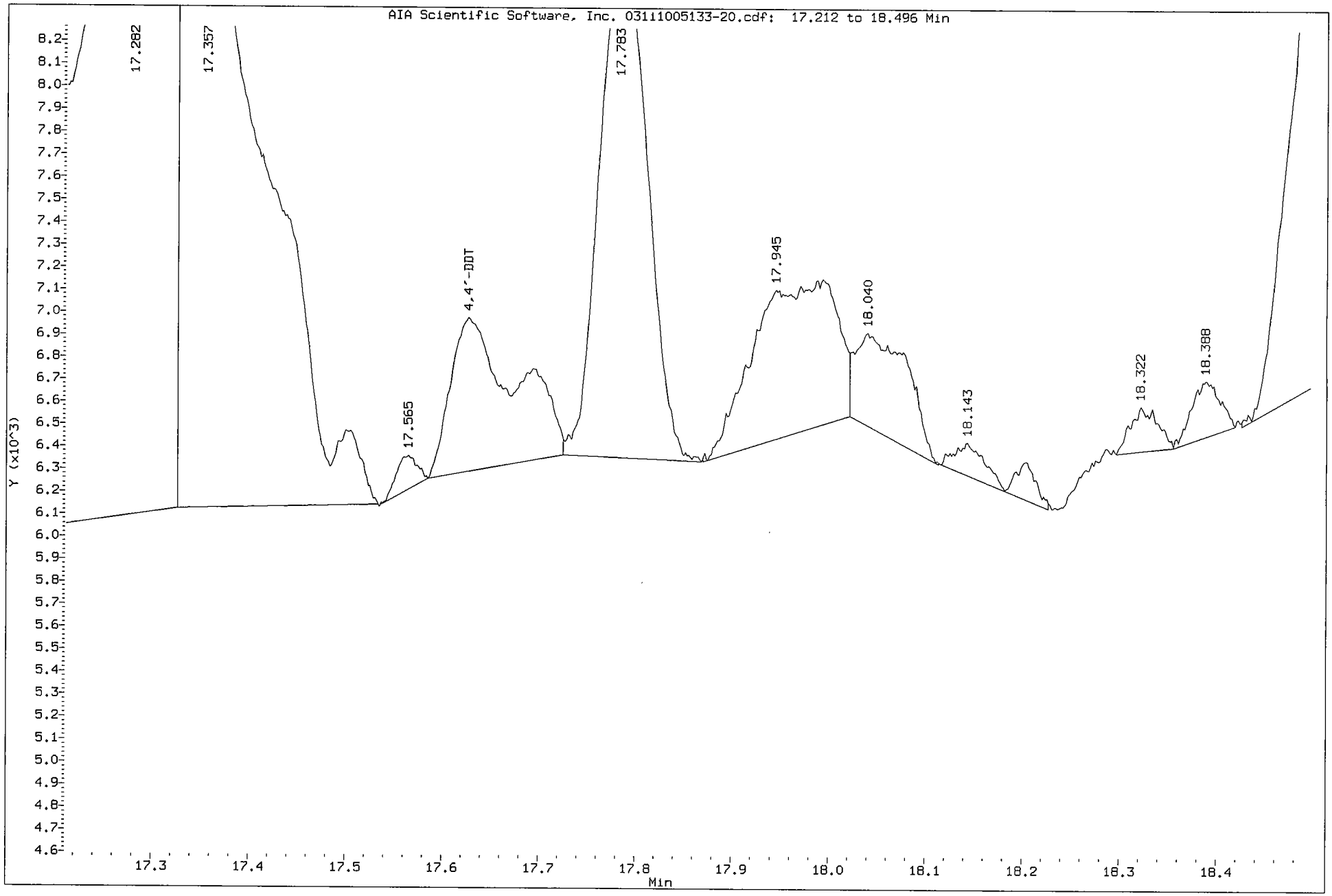
RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
19.91		3471								
19.98		6230								
20.06		130391								
20.25		63828								
20.30		22325								
20.42		13148								
20.55		10721								
20.77		25918								
20.92		13407								
21.11		5813								
21.23		447								
21.33		5791								
21.45		1902								
21.54		539								
21.59		1212								
21.68		2471								
21.76		1057								
21.93		8544								
21.98		6222								
22.14		6080								
22.34		5953								
22.46		8084								
22.60	22.53 22.67	42932	535699	Decachlorobiphenyl	0.080140	15.71375		66.8	55 - 130	
22.82		2516								
22.87		5366								
23.07		840								
23.15		5256								
23.48		4453								
23.93		215								
24.02		662								
24.42		4972								
24.91		961								
25.06		1276								

Manually Integrated Peaks



Start: 17.59 Stop: 17.67

Data File: /chem/tracegc82.i/i100610b_2C.b/03111005133-20.d/03111005133-20.cdf
Injection Date: 11-JUN-2010 07:04
Instrument: tracegc82.i
Client Sample ID: SS68-0-1RE



1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS68-0-1REDL

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-20RE2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	10	U
319-85-7	beta-BHC	10	U
319-84-6	alpha-BHC	10	U
319-86-8	delta-BHC	10	U
58-89-9	gamma-BHC (Lindane)	10	U
72-54-8	4,4'-DDD	19	U
72-55-9	4,4'-DDE	19	U
50-29-3	4,4'-DDT	19	U
60-57-1	Dieldrin	19	U
959-98-8	Endosulfan I	2.0	DJP
33213-65-9	Endosulfan II	19	U
1031-07-8	Endosulfan sulfate	9.9	DJ
72-20-8	Endrin	19	U
7421-93-4	Endrin Aldehyde	19	U
76-44-8	Heptachlor	10	U
1024-57-3	Heptachlor Epoxide	10	U
72-43-5	Methoxychlor	100	U
8001-35-2	Toxaphene	490	U
53494-70-5	Endrin Ketone	9.4	DJP
5103-74-2	gamma-Chlordane	10	U
5103-71-9	alpha-Chlordane	10	U

Data File: /chem/tracegc82.i/i100610b.b/032i1005133-20.d

Page 1

Date : 11-JUN-2010 07:33

Client ID: SS68-0-1REDL

Instrument: tracegc82.i

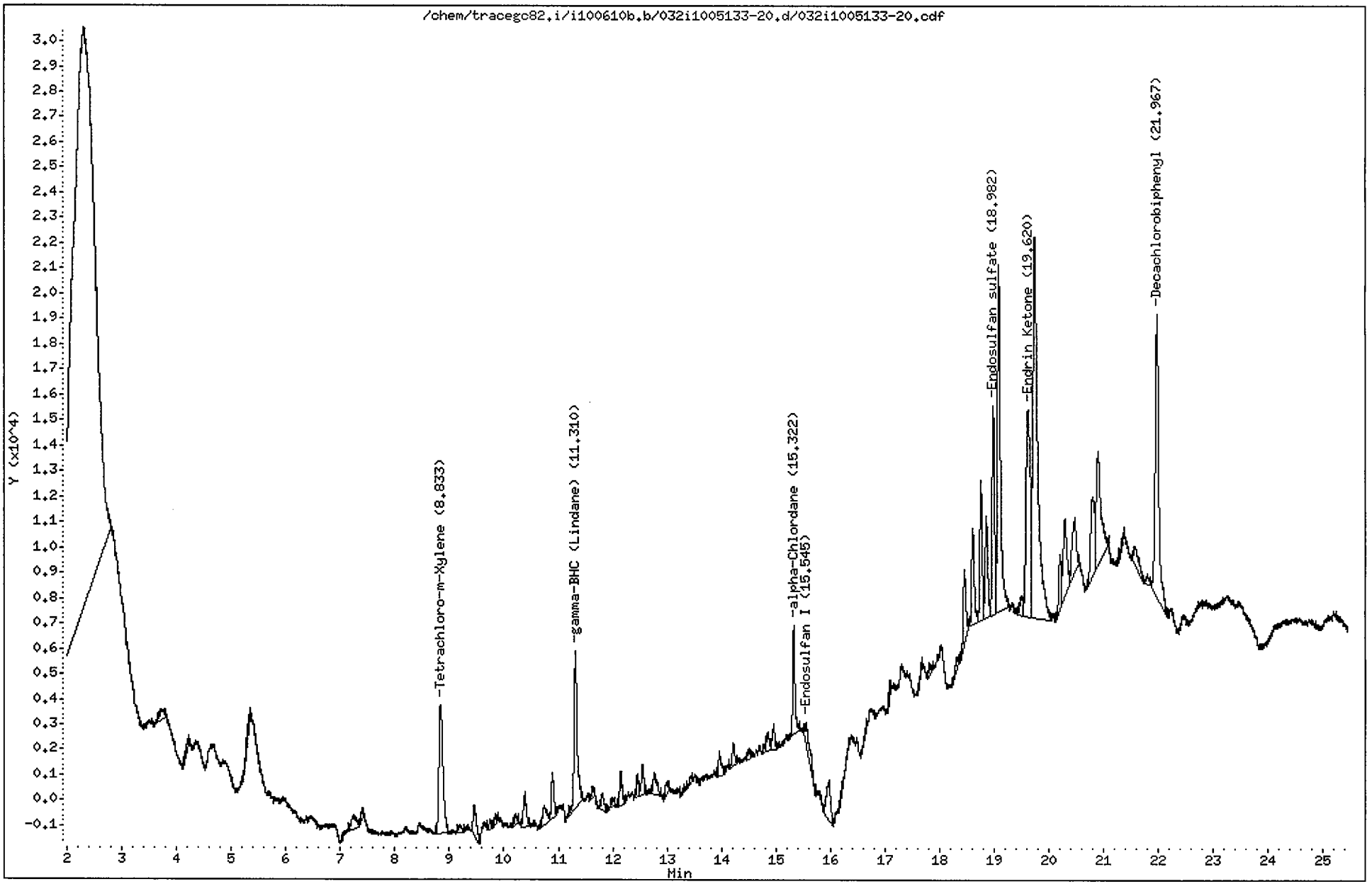
Sample Info: 1005133-20RE2

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-20RE2 Client Smp Id : SS68-0-1REDL
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 07:33 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610b.b/8081A_clpestv6.m
Misc. Info : SS68-0-1REDL

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 5.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.39			2893								
1.47			23624								
1.84			63787								
2.30			650301								
3.70			2470								
4.20			1162								
5.33			1947								
7.23			3399								
7.39			1218								
8.83	8.77	8.91	26014	2945399	Tetrachloro-m-Xylene	0.008832	8.658903		73.6	70 - 125	
9.19			1453								
9.46			5014								
9.74			1073								
9.85			1056								
10.20			1210								
10.38			4852								
10.73			3918								
10.88			5583								
11.31	11.20	11.34	25204	5248525	gamma-BHC (Lindane)	0.004802	4.707765	10.00000			J
11.62			1569								
11.81			2240								
11.99			923								
12.15			4507								
12.46			2304								
12.55			3834								
12.77			3954								
13.00			1794								
13.32			1136								
13.44			952								
13.96			3558								
14.21			2875								
14.50			1036								
14.80			879								
14.85			2259								
14.96			3120								
15.32	15.20	15.34	11747	3452365	alpha-Chlordane	0.003403	3.335877	10.00000			J
15.54	15.50	15.64	7206	3581308	Endosulfan I	0.002012	1.972661	10.00000			J

6/11/10

CompuChem

Lab Smp Id : 1005133-20RE2 Client Smp Id : SS68-0-1REDL
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 07:33 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610b.b/8081A_clpestv6.m
Misc. Info : SS68-0-1REDL

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 5.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
15.97		7944								
16.34		2531								
16.66		1086								
17.09		1389								
17.68		1096								
17.81		1353								
18.31		1812								
18.45		9581								
18.60		12527								
18.76		16621								
18.86		13067								
18.98	18.96 19.10	24829	2454690	Endosulfan sulfate	0.010115	9.916591	19.41176			J
19.08		52412								
19.49		2989								
19.62	19.57 19.71	45392	2916991	Endrin Ketone	0.015561	15.25612	19.41176			J
19.74		92662								
20.20		6522								
20.29		14997								
20.46		11928								
20.79		16446								
20.90		26393								
21.35		803								
21.57		5318								
21.77		1413								
21.97	21.90 22.04	49833	2320776	Decachlorobiphenyl	0.021472	21.05110		89.5	55 - 130	

Data File: /chem/tracegc82.i/i100610b_2C.b/032i1005133-20.d

Date : 11-JUN-2010 07:33

Client ID: SS68-0-1REDL

Instrument: tracegc82.i

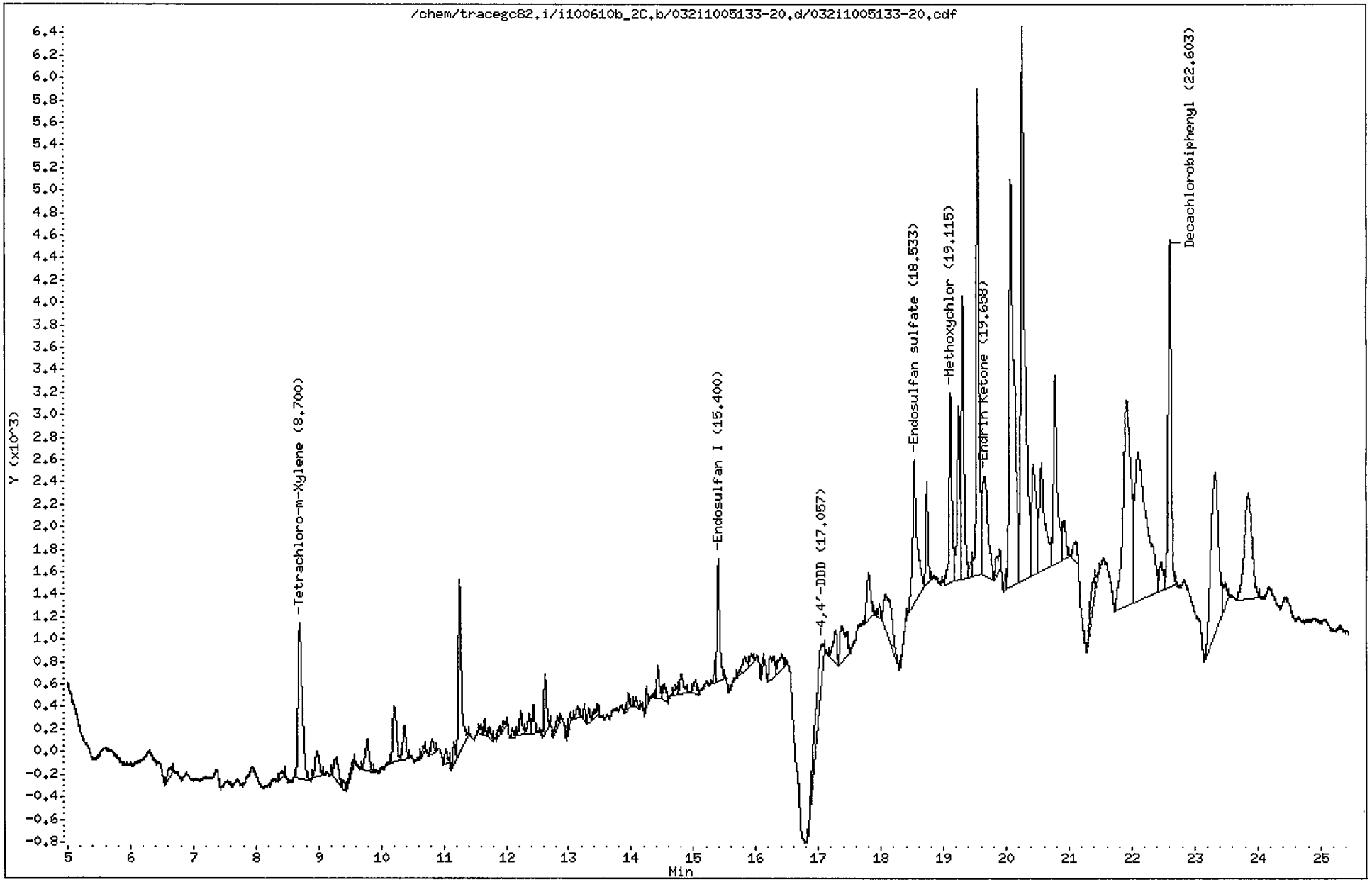
Sample Info: 1005133-20RE2

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-20RE2 Client Smp Id : SS68-0-1REDL
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 07:33 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610b_2C.b/8081A_clpest2v6.m
Misc. Info : SS68-0-1REDL

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 5.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
0.46			165								
1.37			1767								
1.69			23664								
1.73			2764								
2.04			8432								
3.50			3795								
4.90			1355								
6.62			452								
8.41			234								
8.70	8.63	8.77	6564	708805	Tetrachloro-m-Xylene	0.009259	9.077689		77.2	70 - 125	
8.97			1072								
9.28			1057								
9.40			175								
9.55			380								
9.77			1221								
10.21			2002								
10.37			978								
10.68			180								
10.81			390								
11.03			319								
11.16			579								
11.26			5412								
11.59			210								
11.65			309								
11.73			278								
11.87			204								
11.95			230								
12.10			196								
12.23			650								
12.37			549								
12.43			621								
12.62			1506								
12.82			280								
13.02			346								
13.15			317								
13.25			290								
13.33			312								

CompuChem

Lab Smp Id : 1005133-20RE2 Client Smp Id : SS68-0-1REDL
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 07:33 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610b_2C.b/8081A_clpest2v6.m
Misc. Info : SS68-0-1REDL

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 5.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
13.42		342								
13.95		378								
14.08		207								
14.25		391								
14.43		790								
14.53		527								
14.72		258								
14.80		792								
15.04		458								
15.35		310								
15.40	15.37 15.51	3145	789088	Endosulfan I	0.003986	3.907467	10.00000			J
15.82		714								
15.94		307								
16.11		208								
16.24		1104								
16.41		786								
17.06	16.92 17.06	4057	531489	4,4'-DDD	0.007633	7.483603	19.41176			J
17.28		1206								
17.36		2209								
17.81		1726								
17.97		295								
18.07		3522								
18.41		230								
18.53	18.45 18.59	6364	546189	Endosulfan sulfate	0.011652	11.42319	19.41176			J
18.73		2175								
19.12	19.07 19.21	5246	231682	Methoxychlor	0.022639	22.19487	100.0000			J
19.24		4583								
19.31		7184								
19.46		513								
19.55		12907								
19.66	19.60 19.74	5834	610811	Endrin Ketone	0.009550	9.362348	19.41176			J
19.85		903								
19.98		353								
20.07		19359								
20.26		22092								
20.43		5381								
20.56		5798								

CompuChem

Lab Smp Id : 1005133-20RE2 Client Smp Id : SS68-0-1REDL
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 07:33 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610b_2C.b/8081A_clpest2v6.m
Misc. Info : SS68-0-1REDL

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 5.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
20.77		6770								
20.93		1353								
21.09		777								
21.41		1503								
21.47		189								
21.92		15993								
22.10		17469								
22.47		1135								
22.60	22.53 22.67	10204	535699	Decachlorobiphenyl	0.019046	18.67268		79.4	55 - 130	
23.33		12339								
23.49		925								
23.85		7893								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS72-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-12

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 4 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/03/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.8	U
319-85-7	beta-BHC	1.8	U
319-84-6	alpha-BHC	0.18	JP
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
72-54-8	4,4'-DDD	3.4	U
72-55-9	4,4'-DDE	3.4	U
50-29-3	4,4'-DDT	3.4	U
60-57-1	Dieldrin	3.4	U
959-98-8	Endosulfan I	1.8	U
33213-65-9	Endosulfan II	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
72-20-8	Endrin	3.4	U
7421-93-4	Endrin Aldehyde	3.4	U
76-44-8	Heptachlor	1.8	U
1024-57-3	Heptachlor Epoxide	1.8	U
72-43-5	Methoxychlor	18	U
8001-35-2	Toxaphene	86	U
53494-70-5	Endrin Ketone	3.4	U
5103-74-2	gamma-Chlordane	1.8	U
5103-71-9	alpha-Chlordane	1.8	U

Data File: /chem/tracegc82.i/f100601f.b/085f1005133-12.d

Date : 03-JUN-2010 08:35

Client ID: SS72-0-1

Instrument: tracegc82.i

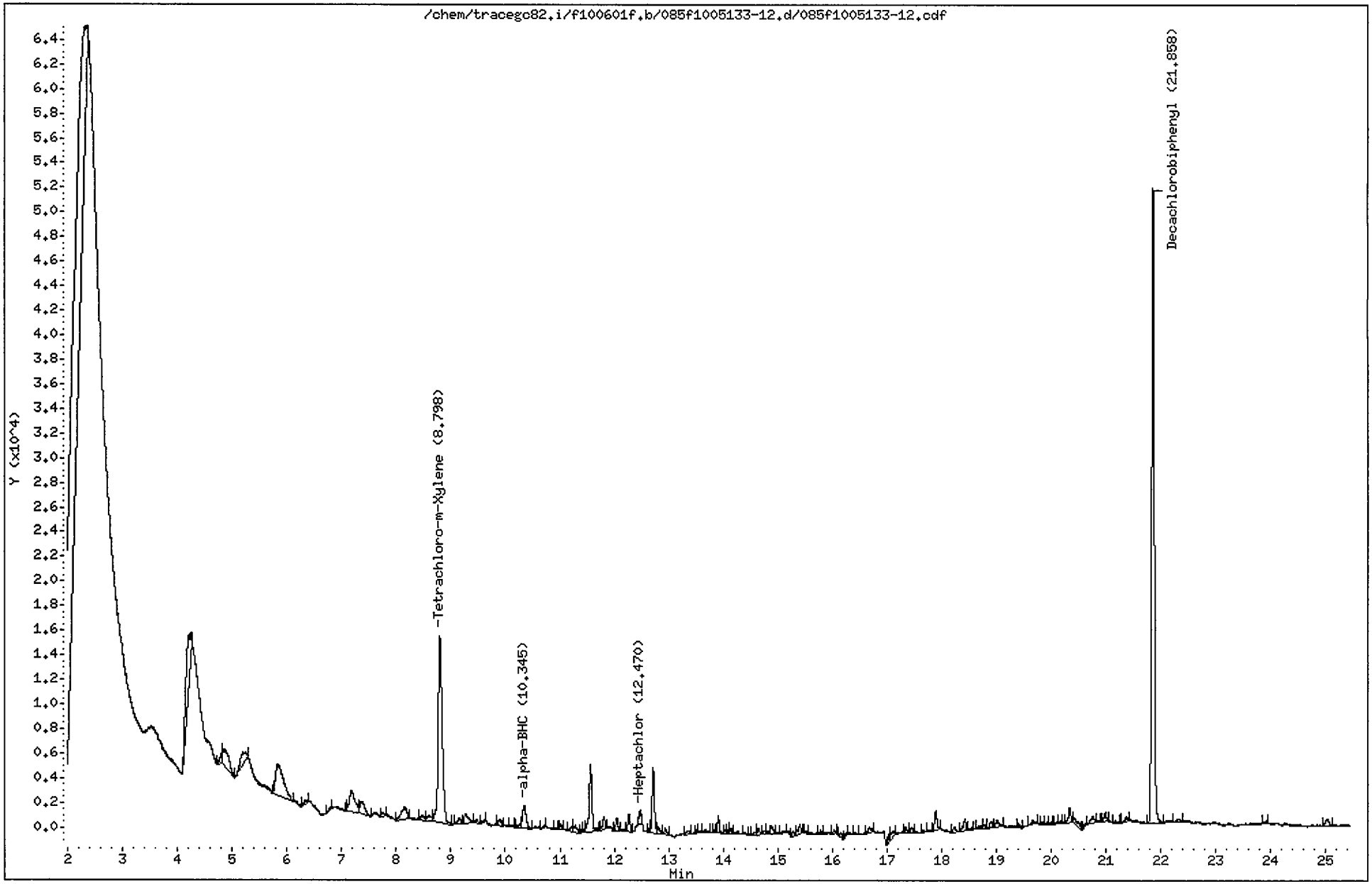
Sample Info: 1005133-12

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



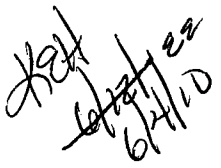
CompuChem

Lab Smp Id : 1005133-12 Client Smp Id : SS72-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 08:35 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601f.b/8081A_clpestv6.m
Misc. Info : SS72-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 4(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.38			311								
1.49			24050								
2.31			196995								
4.21			24104								
4.83			3072								
4.85			10710								
5.20			7314								
5.83			26221								
6.35			1165								
6.80			711								
7.10			291								
7.18			12258								
7.37			6010								
7.76			871								
8.16			7485								
8.48			1668								
8.60			2334								
8.80	8.73	8.87	76318	1587700	Tetrachloro-m-Xylene	0.048068	8.345080		80.1	70 - 125	
9.16			1474								
9.27			4081								
9.48			1277								
9.59			687								
9.90			2145								
10.09			402								
10.28			1242								
10.34	10.32	10.46	8840	3028788	alpha-BHC	0.002918	0.506654	1.770833			J
10.72			437								
10.94			349								
11.02			978								
11.21			1395								
11.29			2215								
11.40			402								
11.46			789								
11.56			18812								
11.81			2910								
12.04			3103								
12.15			421								



CompuChem

Lab Smp Id : 1005133-12 Client Smp Id : SS72-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 08:35 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601f.b/8081A_clpestv6.m
Misc. Info : SS72-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 4(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.27		3995								
12.47	12.38 12.52	3329	2589888	Heptachlor	0.001285	0.223090	1.770833			J
12.65		709								
12.72		15491								
12.82		1363								
12.94		1604								
13.35		1148								
13.51		623								
13.67		918								
13.85		629								
13.91		3393								
14.04		822								
14.10		528								
14.14		1097								
14.27		956								
14.39		489								
14.57		649								
14.64		1615								
14.76		718								
14.82		741								
14.89		2203								
15.09		861								
15.27		1118								
15.40		2424								
15.51		395								
15.79		728								
16.03		727								
16.15		861								
16.25		785								
16.41		364								
16.68		1708								
17.04		1488								
17.10		2484								
17.35		1190								
17.46		1236								
17.67		547								
17.89		5029								

CompuChem

Lab Smp Id : 1005133-12 Client Smp Id : SS72-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 08:35 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601f.b/8081A_clpestv6.m
Misc. Info : SS72-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 4(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
18.23		1425								
18.43		3407								
18.55		593								
18.71		1096								
18.78		917								
18.90		1728								
19.00		2464								
19.41		876								
19.66		1334								
19.84		648								
19.92		536								
20.00		475								
20.11		374								
20.16		476								
20.33		3543								
20.42		3492								
20.64		744								
20.75		2390								
20.85		285								
20.99		2190								
21.17		404								
21.36		1097								
21.86	21.79 21.93	169224	1622138	Decachlorobiphenyl	0.104321	18.11127		86.9	55 - 130	
22.32		1241								
23.92		563								
25.02		2847								

Data File: /chem/tracegc82.i/f100601f_2C.b/085f1005133-12.d

Page 1

Date : 03-JUN-2010 08:35

Client ID: SS72-0-1

Instrument: tracegc82.i

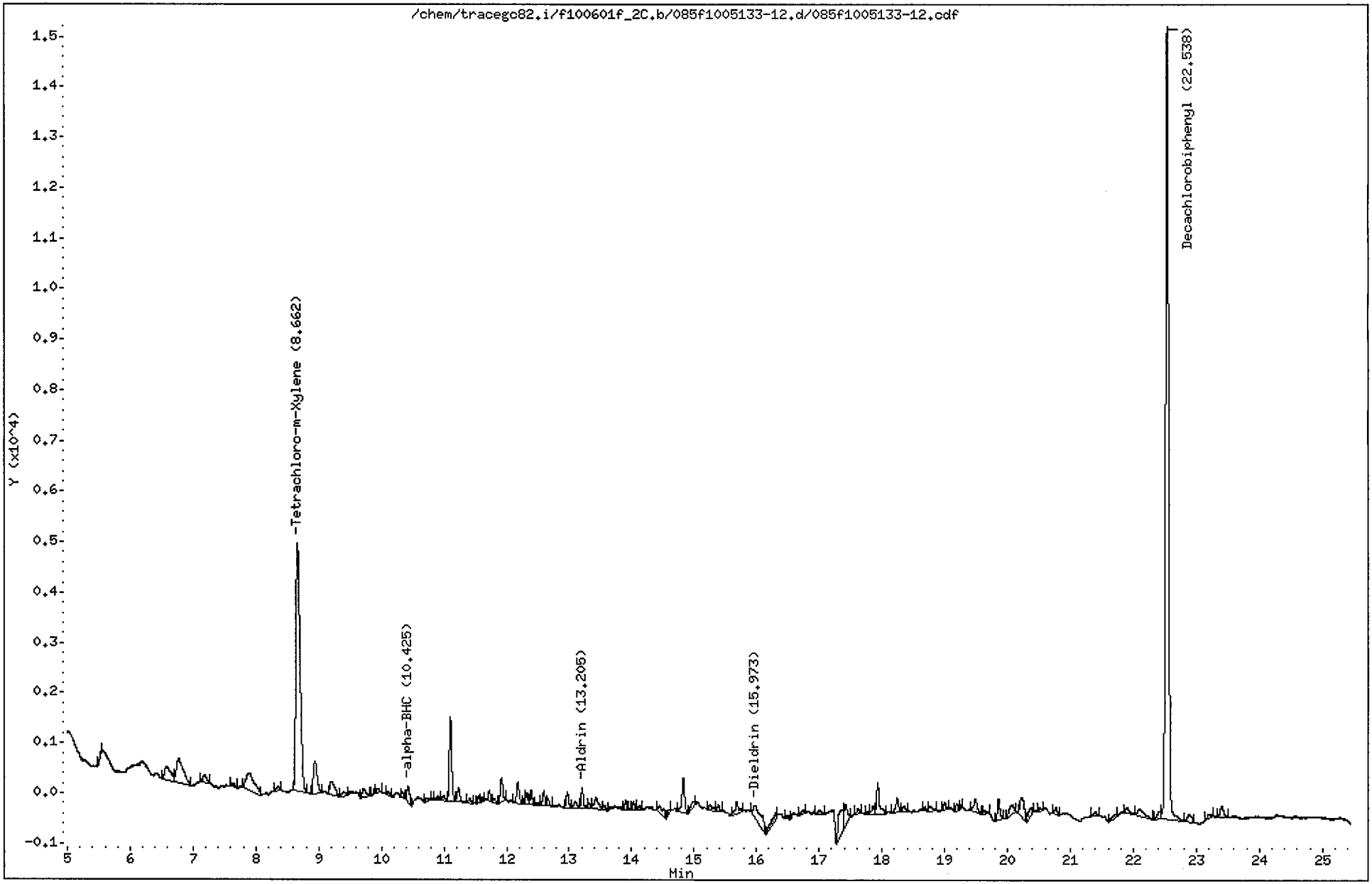
Sample Info: 1005133-12

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-12 Client Smp Id : SS72-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 08:35 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601f_2C.b/8081A_clpest2v6.m
Misc. Info : SS72-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 4(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.36		440								
2.09		405741								
2.12		467631								
3.52		54314								
4.34		258								
4.67		237								
4.74		177								
5.54		140								
6.57		1950								
6.77		3788								
7.18		625								
7.63		270								
7.90		3188								
8.34		325								
8.66	8.59 8.73	22991	548876	Tetrachloro-m-Xylene	0.041886	7.271805		69.8*	70 - 125	R
8.94		2783								
9.20		1564								
9.40		388								
9.71		689								
9.88		172								
9.94		236								
10.11		203								
10.34		287								
10.42	10.32 10.46	970	916452	alpha-BHC	0.001058	0.183755	1.770833			J
10.73		246								
10.90		206								
10.99		308								
11.10		4541								
11.23		925								
11.41		296								
11.55		295								
11.61		176								
11.73		390								
11.79		241								
11.92		1332								
12.18		1256								
12.28		149								

6/12/10

CompuChem

Lab Smp Id : 1005133-12 Client Smp Id : SS72-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 08:35 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601f_2C.b/8081A_clpest2v6.m
Misc. Info : SS72-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 4(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.32		540								
12.39		651								
12.50		156								
12.60		797								
12.66		322								
12.97		867								
13.10		488								
13.20	13.10 13.24	1054	726628	Aldrin	0.001449	0.251590	1.770833			J
13.32		300								
13.43		1057								
13.56		274								
13.91		452								
14.03		330								
14.13		182								
14.45		709								
14.60		203								
14.83		2204								
15.00		571								
15.26		409								
15.39		319								
15.68		758								
15.97	15.94 16.08	2570	598394	Dieldrin	0.004295	0.745630	3.437500			J
16.30		1081								
16.48		173								
16.75		213								
16.99		318								
17.35		2588								
17.42		1732								
17.62		305								
17.77		127								
17.86		549								
17.93		1966								
18.24		868								
18.34		322								
18.69		148								
18.78		393								
19.00		351								

CompuChem

Lab Smp Id : 1005133-12 Client Smp Id : SS72-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 08:35 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601f_2C.b/8081A_clpest2v6.m
Misc. Info : SS72-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 4(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
19.19		300								
19.26		130								
19.50		1036								
19.64		281								
19.86		1171								
20.07		900								
20.23		1813								
20.37		728								
20.52		166								
20.77		413								
21.39		214								
21.72		291								
21.90		539								
22.09		1196								
22.41		604								
22.54	22.47 22.61	51399	497254	Decachlorobiphenyl	0.103364	17.94506		86.1	55 - 130	
22.89		694								
23.22		349								
23.41		841								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS73-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 4 decanted: (Y/N) N Date Received: 05/14/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/20/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/02/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	0.20	JP
319-85-7	beta-BHC	1.8	U
319-84-6	alpha-BHC	0.20	JP
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
72-54-8	4,4'-DDD	7.5	
72-55-9	4,4'-DDE	14	
50-29-3	4,4'-DDT	18	
60-57-1	Dieldrin	0.88	J
959-98-8	Endosulfan I	1.8	U
33213-65-9	Endosulfan II	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
72-20-8	Endrin	3.4	U
7421-93-4	Endrin Aldehyde	3.4	U
76-44-8	Heptachlor	0.21	JP
1024-57-3	Heptachlor Epoxide	0.20	JP
72-43-5	Methoxychlor	18	U
8001-35-2	Toxaphene	86	U
53494-70-5	Endrin Ketone	0.83	JP
5103-74-2	gamma-Chlordane	0.24	JP
5103-71-9	alpha-Chlordane	0.91	JP

Data File: /chem/tracegc82.i/f100601c.b/045f1005133-01.d

Date : 02-JUN-2010 13:10

Client ID: SS73-0-1

Instrument: tracegc82.i

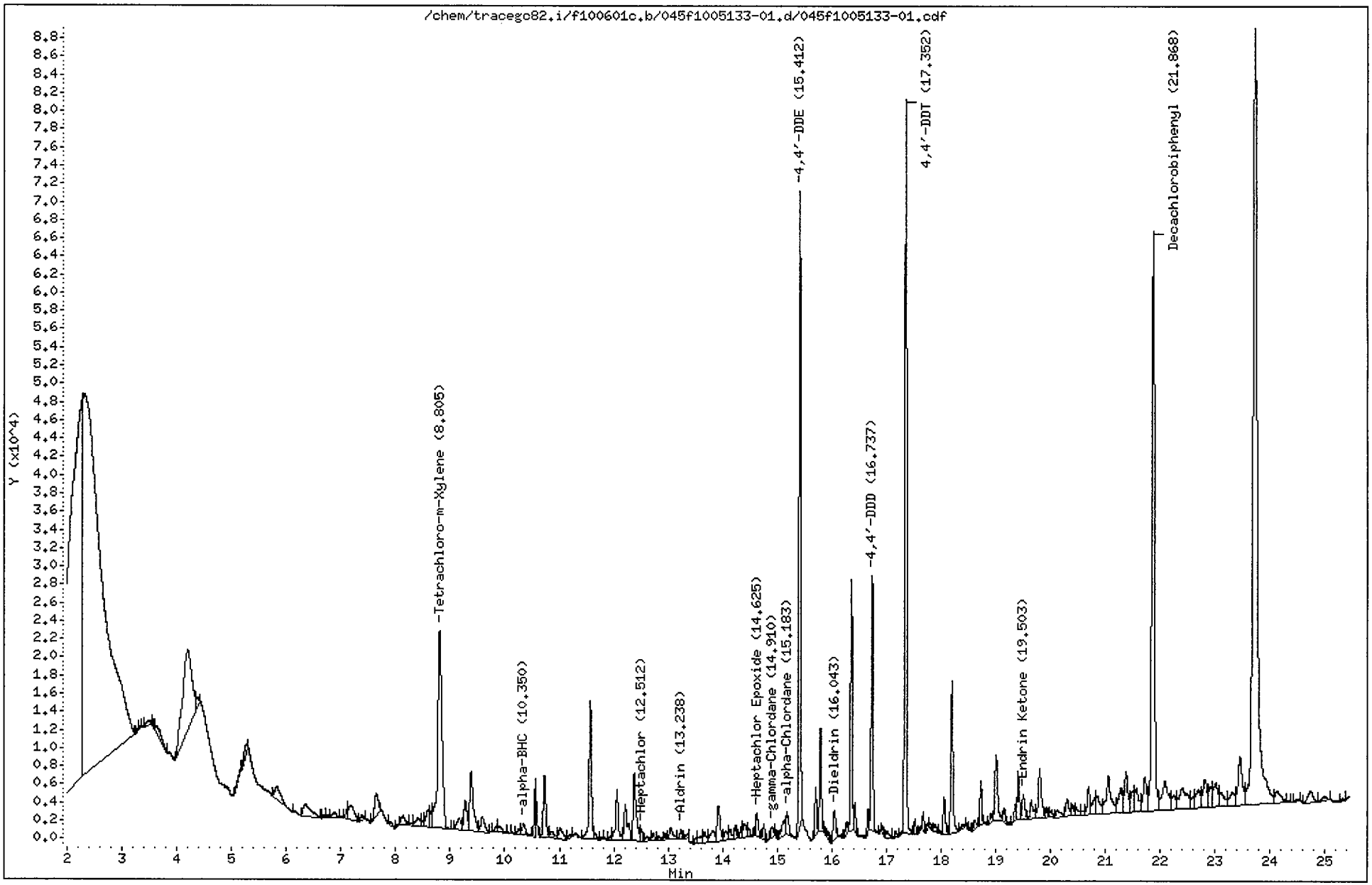
Sample Info: 1005133-01

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-01 Client Smp Id : SS73-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 13:10 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601c.b/8081A_clpestv6.m
Misc. Info : SS73-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 4(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.12			2054								
1.49			112164								
1.88			205604								
2.26			659377								
2.32			1027601								
3.29			674								
3.34			335								
3.46			2448								
3.59			456								
3.64			6729								
4.20			106171								
4.37			3845								
5.18			1792								
5.27			5014								
5.82			12487								
6.35			13755								
6.67			744								
6.75			655								
6.88			3314								
7.00			660								
7.12			2944								
7.18			11456								
7.38			2180								
7.64			11690								
7.91			1330								
8.04			369								
8.14			6406								
8.29			789								
8.41			5659								
8.51			1686								
8.59			8932								
8.65			4308								
8.80	8.73	8.87	118438	1587700	Tetrachloro-m-Xylene	0.074597	12.95080		124.3	70 - 125	
9.16			6509								
9.27			13322								
9.38			30224								
9.58			8325								

CompuChem

Lab Smp Id : 1005133-01 Client Smp Id : SS73-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 13:10 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601c.b/8081A_clpestv6.m
Misc. Info : SS73-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 4(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
9.84		2277								
9.91		3281								
10.14		389								
10.25		2229								
10.35	10.32 10.46	5333	3028788	alpha-BHC	0.001761	0.305689	1.770833			J
10.56		7846								
10.72		22690								
10.87		3482								
11.01		6339								
11.19		1163								
11.57		47595								
11.66		1705								
11.78		466								
11.95		1379								
12.06		19586								
12.21		18051								
12.37		28419								
12.51	12.38 12.52	3203	2589888	Heptachlor	0.001237	0.214711	1.770833			J
12.60		2199								
12.72		2539								
12.82		1537								
12.94		1799								
13.05		5758								
13.24	13.11 13.25	2702	2391920	Aldrin	0.001129	0.196045	1.770833			J
13.33		1735								
13.53		2477								
13.61		3583								
13.67		4451								
13.82		7238								
13.92		15022								
14.05		4097								
14.14		3571								
14.24		4006								
14.34		2944								
14.40		5651								
14.48		2642								
14.62	14.56 14.70	7845	2235460	Heptachlor Epoxide	0.003509	0.609261	1.770833			J

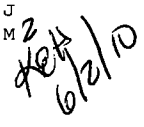
CompuChem

Lab Smp Id : 1005133-01 Client Smp Id : SS73-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 13:10 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601c.b/8081A_clpestv6.m
Misc. Info : SS73-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 4(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
14.76		4042								
14.91	14.84 14.98	3067	2245768	gamma-Chlordane	0.001365	0.237020	1.770833			J
14.97		1800								
15.13		7377								
15.18	15.15 15.29	10042	1924148	alpha-Chlordane	0.005219	0.906065	1.770833			J
15.41	15.34 15.48	158891	2012896	4,4'-DDE	0.078937	13.70425	3.437500			M
15.71		12028								
15.79		26593								
15.87		1360								
15.94		1997								
16.04	15.99 16.13	10755	2037205	Dieldrin	0.005279	0.916544	3.437500			J
16.13		1177								
16.27		3458								
16.36		63519								
16.42		7251								
16.53		1571								
16.66		5482								
16.74	16.66 16.80	65853	1534440	4,4'-DDD	0.042917	7.450805	3.437500			
16.93		1629								
17.01		2811								
17.17		1709								
17.28		361								
17.35	17.27 17.41	193797	1722489	4,4'-DDT	0.112510	19.53297	3.437500			
17.52		3952								
17.62		763								
17.68		3838								
17.75		1004								
17.81		1143								
17.89		2707								
17.98		689								
18.06		10822								
18.20		44454								
18.38		1441								
18.47		1064								
18.53		675								
18.62		3003								
18.73		10958								



CompuChem

Lab Smp Id : 1005133-01 Client Smp Id : SS73-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 13:10 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601c.b/8081A_clpestv6.m
Misc. Info : SS73-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 4(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
18.81		663								
18.91		2309								
19.00		25236								
19.16		3575								
19.24		583								
19.37		4671								
19.42		12559								
19.50	19.49 19.63	8895	1849761	Endrin Ketone	0.004808	0.834755	3.437500			J
19.64		7881								
19.80		21004								
19.93		2612								
20.02		2540								
20.12		4429								
20.30		6999								
20.41		3946								
20.47		3468								
20.59		2079								
20.69		9956								
20.81		7537								
20.85		10258								
21.05		26502								
21.29		14554								
21.37		18628								
21.50		10569								
21.56		13456								
21.71		18021								
21.87	21.79 21.93	216154	1622138	Decachlorobiphenyl	0.133253	23.13412		111.0	55 - 130	
22.09		25404								
22.24		8815								
22.41		23552								
22.61		5170								
22.69		11666								
22.81		15443								
22.91		10071								
23.01		15232								
23.09		9447								
23.32		10204								

CompuChem

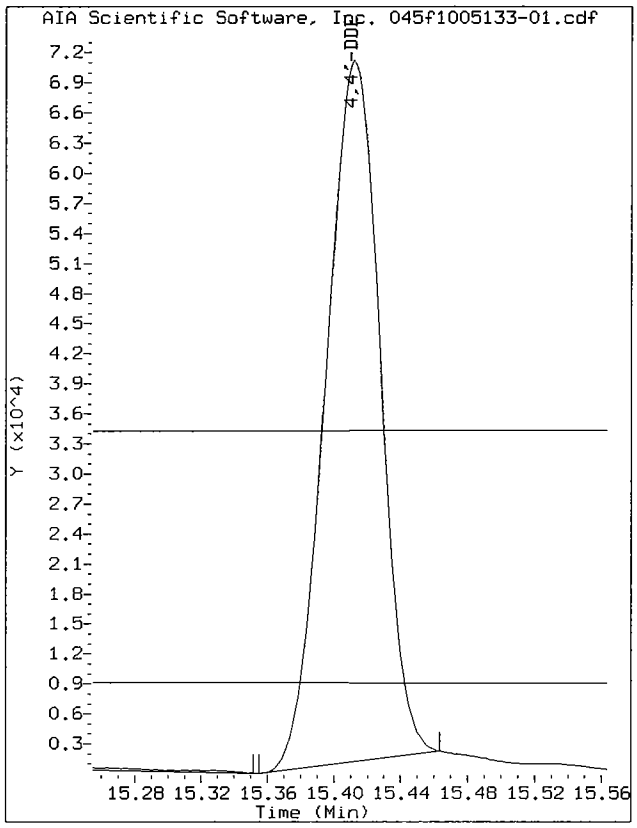
Lab Smp Id : 1005133-01 Client Smp Id : SS73-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 13:10 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601c.b/8081A_clpestv6.m
Misc. Info : SS73-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 4(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
23.45		31012								
23.72		464293								
24.14		9525								
24.32		392								
24.50		786								
24.73		7999								
24.98		2982								
25.31		666								

Manually Integrated Peaks



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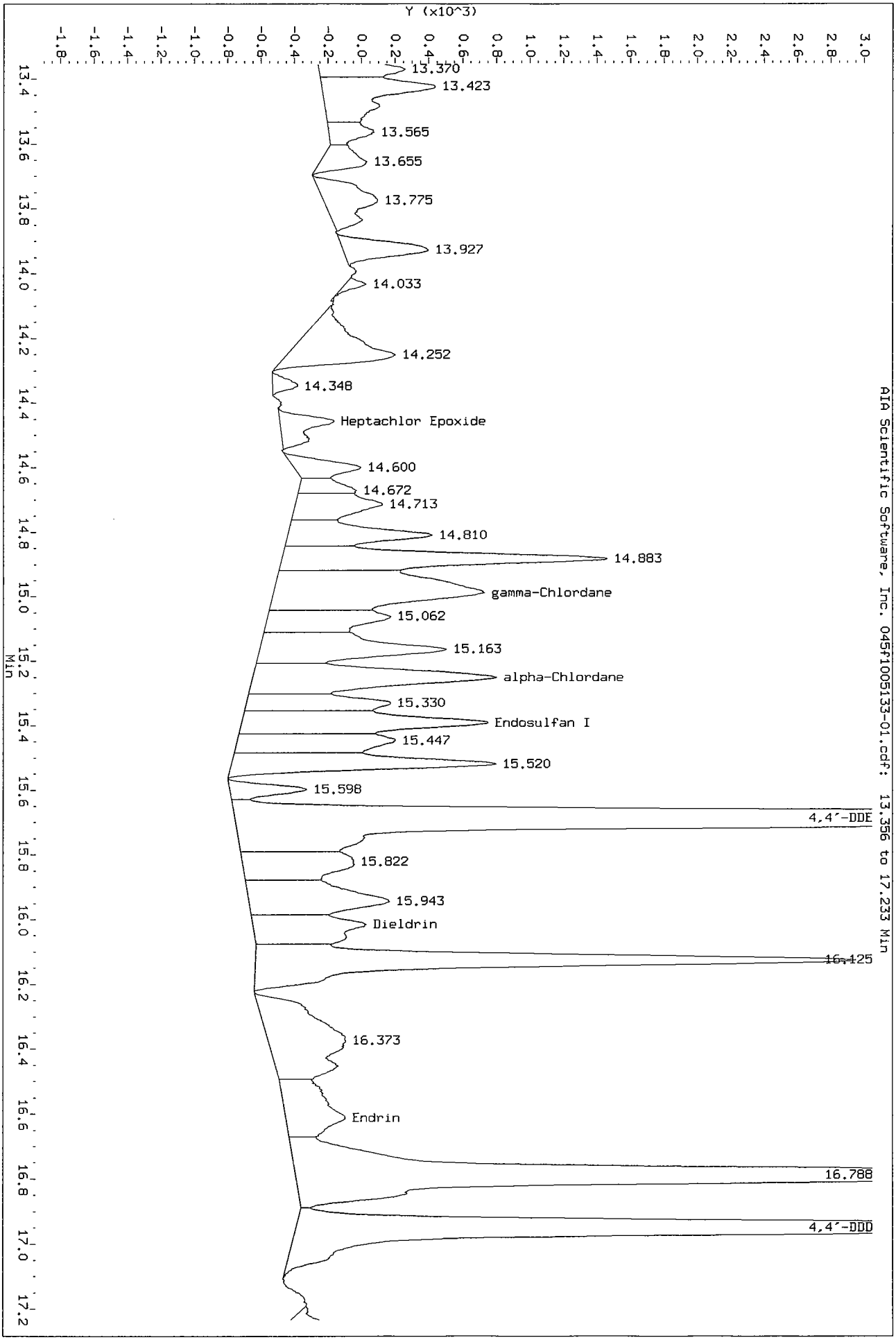
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Injection Date: 02-JUN-2010 13:10
Instrument: tracegc82.i
Client Sample ID: SS73-0-1
Y (x10^3)
13.370
13.423
13.565
13.655
13.775
13.927
14.033
14.252
14.348
Heptachlor Epoxide
14.600
14.672
14.713
14.810
14.883
gamma-Chlordane
15.062
15.163
alpha-Chlordane
15.330
Endosulfan I
15.447
15.520
15.598
4,4'-DDE
15.822
15.943
Dieldrin
16.125
16.373
Endrin
16.788
4,4'-DDD
Min
AIA Scientific Software, Inc. 045f1005133-01.cdf: 13.356 to 17.233 Min

Data File: /chem/tracegc82.i/f100601c_2C.b/045f1005133-01.d

Date : 02-JUN-2010 13:10

Client ID: SS73-0-1

Instrument: tracegc82.i

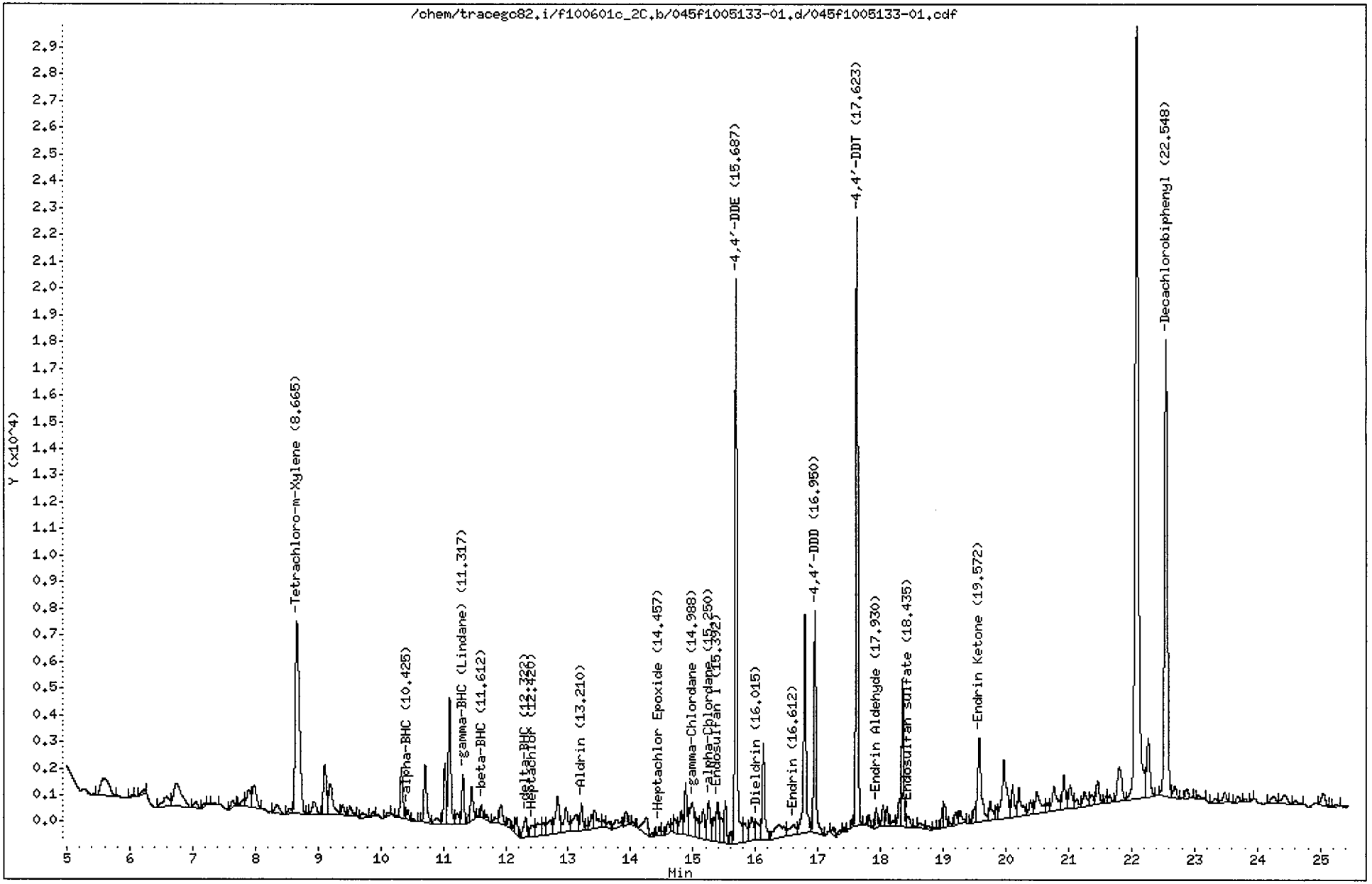
Sample Info: 1005133-01

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-01 Client Smp Id : SS73-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 13:10 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601c_2C.b/8081A_clpest2v6.m
Misc. Info : SS73-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 4(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.36		470								
2.06		961039								
3.14		50733								
3.49		68234								
3.96		78253								
4.66		299								
4.85		3362								
5.58		5935								
6.05		205								
6.22		572								
6.58		2887								
6.75		7774								
7.05		998								
7.19		281								
7.33		309								
7.64		932								
7.82		1034								
7.90		2939								
7.98		3815								
8.35		1648								
8.55		782								
8.66	8.59 8.73	33191	548876	Tetrachloro-m-Xylene	0.060471	10.49841		100.8	70 - 125	
8.94		1995								
9.11		6271								
9.20		5456								
9.39		1327								
9.51		1307								
9.71		770								
9.88		462								
10.12		311								
10.33		5591								
10.42	10.32 10.46	1038	916452	alpha-BHC	0.001132	0.196447	1.770833			J
10.52		253								
10.71		6850								
10.90		1259								
11.03		6121								
11.10		13243								

KEK 6/2/10

CompuChem

Lab Smp Id : 1005133-01 Client Smp Id : SS73-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 13:10 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601c_2C.b/8081A_clpest2v6.m
Misc. Info : SS73-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 4(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.23		1716								
11.32	11.25 11.39	4688	866882	gamma-BHC (Lindane)	0.005407	0.938668	1.770833			J
11.40		607								
11.46		3767								
11.61	11.50 11.64	1083	347428	beta-BHC	0.003114	0.540680	0.886458			J
11.70		643								
11.82		865								
11.93		2425								
12.05		924								
12.15		390								
12.18		1532								
12.32	12.22 12.36	2786	827595	delta-BHC	0.003366	0.584441	1.770833			J
12.42	12.33 12.47	2148	778205	Heptachlor	0.002759	0.478978	1.770833			J
12.52		2569								
12.61		1469								
12.71		2980								
12.83		6000								
12.96		4407								
13.13		3816								
13.21	13.10 13.24	2736	726628	Aldrin	0.003764	0.653466	1.770833			J
13.29		358								
13.37		1569								
13.42		3157								
13.56		826								
13.65		980								
13.78		1967								
13.93		1497								
14.03		206								
14.25		3417								
14.35		341								
14.46	14.45 14.59	775	683115	Heptachlor Epoxide	0.001135	0.197040	1.770833			JM2
14.51		415								
14.60		1127								
14.67		761								
14.71		1962								
14.81		2717								
14.88		5246								

#6/11 6/2/10

CompuChem

Lab Smp Id : 1005133-01 Client Smp Id : SS73-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 13:10 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601c_2C.b/8081A_clpest2v6.m
Misc. Info : SS73-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 4(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
14.99	14.88 15.02	6974	690205	gamma-Chlordane	0.010103	1.753958	1.770833			
15.06		2543								
15.16		4265								
15.25	15.21 15.35	5294	595455	alpha-Chlordane	0.008891	1.543521	1.770833			J
15.33		2305								
15.39	15.33 15.47	4681	638725	Endosulfan I	0.007327	1.272065	1.770833			J
15.45		3021								
15.52		4206								
15.60		976								
15.69	15.61 15.75	49834	617325	4,4'-DDE	0.080726	14.01488	3.437500			
15.82		3131								
15.94		4101								
16.02	15.94 16.08	3030	598394	Dieldrin	0.005064	0.879090	3.437500			J
16.13		10332								
16.37		5263								
16.61	16.60 16.74	2740	524785	Endrin	0.005221	0.906456	3.437500			J
16.79		23794								
16.95	16.87 17.01	20693	454222	4,4'-DDD	0.045557	7.909196	3.437500			
17.25		653								
17.36		410								
17.42		275								
17.55		638								
17.62	17.55 17.69	51181	503765	4,4'-DDT	0.101597	17.63836	3.437500			
17.82		927								
17.93	17.81 17.95	1729	425754	Endrin Aldehyde	0.004059	0.704633	3.437500			J
18.04		2018								
18.10		1756								
18.20		814								
18.30		2445								
18.35		12890								
18.44	18.40 18.54	1628	479624	Endosulfan sulfate	0.003394	0.589293	3.437500			J
18.56		121								
18.62		994								
18.76		474								
18.92		127								
18.98		1359								
19.02		2416								

CompuChem

Lab Smp Id : 1005133-01 Client Smp Id : SS73-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 13:10 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601c_2C.b/8081A_clpest2v6.m
Misc. Info : SS73-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 4(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
19.11		249								
19.20		1420								
19.27		1693								
19.45		338								
19.50		1306								
19.57	19.55 19.69	13136	535815	Endrin Ketone	0.024516	4.256237	3.437500			
19.75		2549								
19.84		1120								
19.96		11229								
20.11		3844								
20.20		4283								
20.39		1934								
20.49		4712								
20.66		1042								
20.77		5015								
20.92		4260								
21.02		3736								
21.13		1152								
21.25		2234								
21.37		1721								
21.46		3235								
21.60		684								
21.65		887								
21.80		6247								
22.08		110285								
22.26		8209								
22.55	22.47 22.61	54658	497254	Decachlorobiphenyl	0.109920	19.08326		91.6	55 - 130	
22.69		1647								
22.88		1167								
23.06		512								
23.34		684								
23.48		1588								
23.69		846								
23.80		326								
23.93		123								
24.26		1483								
24.43		2097								

CompuChem

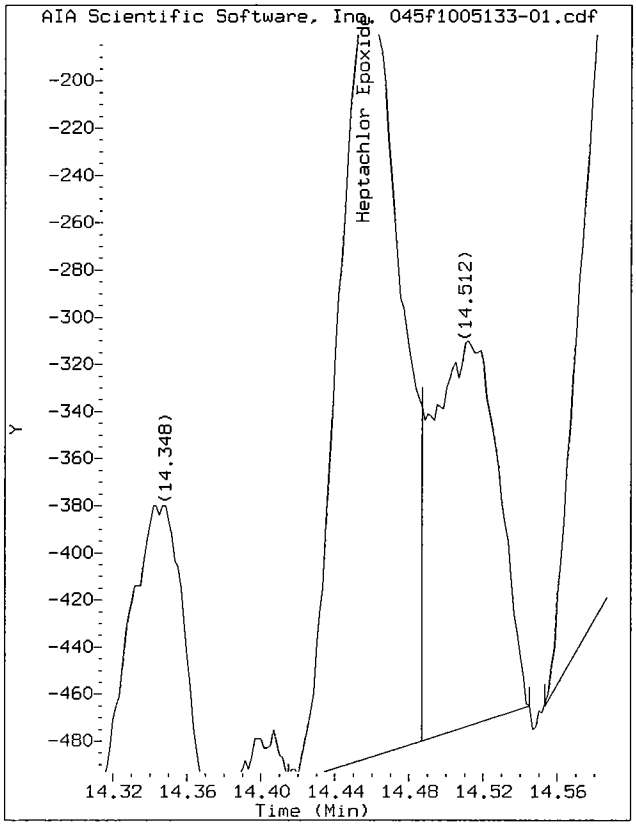
Lab Smp Id : 1005133-01 Client Smp Id : SS73-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 13:10 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601c_2C.b/8081A_clpest2v6.m
Misc. Info : SS73-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 4(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
24.61		525								
25.04		1931								
25.25		304								

Manually Integrated Peaks



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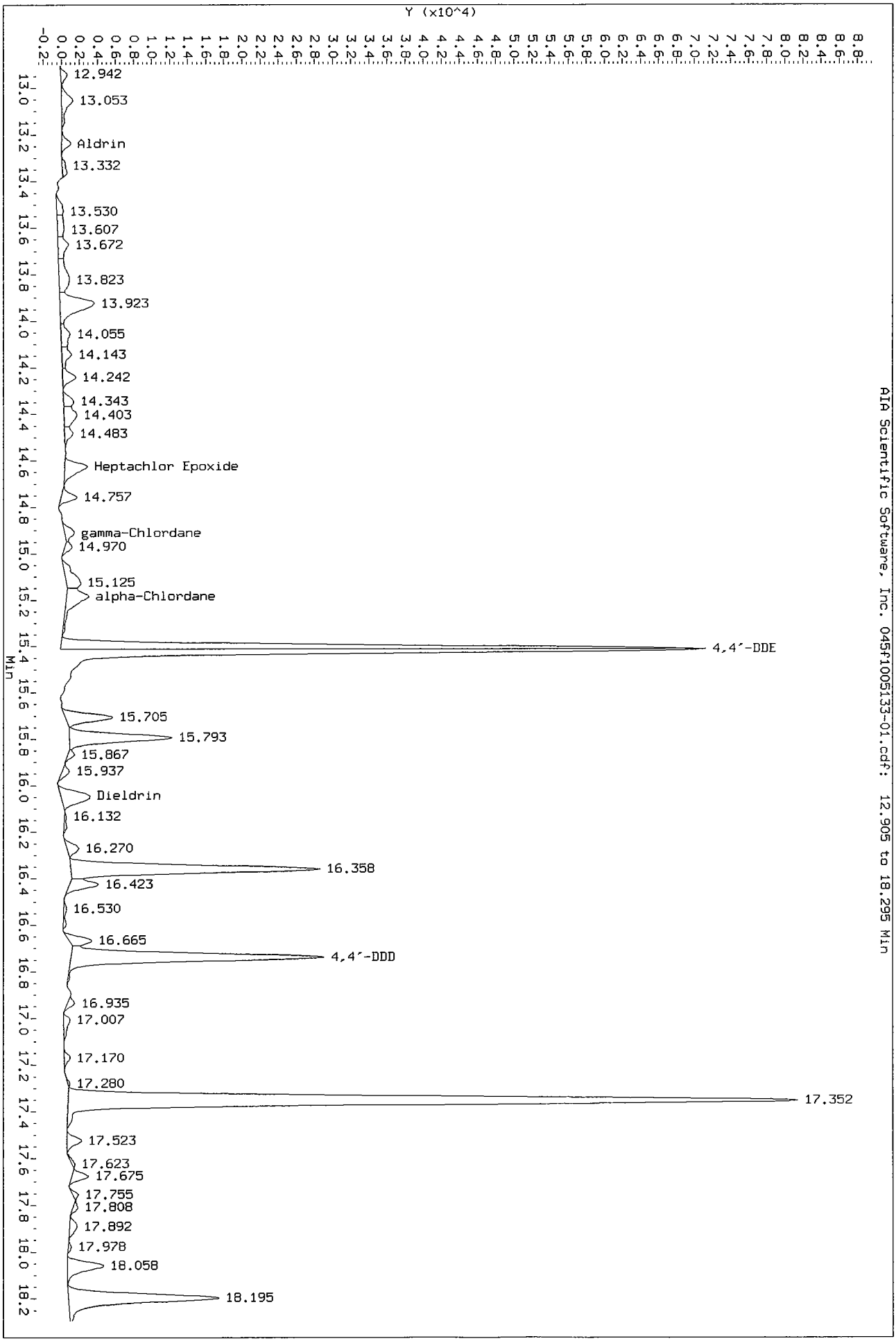
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Injection Date: 02-JUN-2010 13:10
Instrument: tracegc82.i
Client Sample ID: SS73-0-1
AIA Scientific Software, Inc. 045f1005133-01.cdf: 12.905 to 18.295 Min
Y (x10^4)
Min
12.942
13.053
Aldrin
13.332
13.530
13.607
13.672
13.823
13.923
14.055
14.143
14.242
14.343
14.403
14.483
Heptachlor Epoxide
14.757
gamma-Chlordane
14.970
15.125
alpha-Chlordane
4,4'-DDE
15.705
15.793
15.867
15.937
Dieldrin
16.132
16.270
16.358
16.423
16.530
16.665
4,4'-DDD
16.935
17.007
17.170
17.280
17.352
17.523
17.623
17.675
17.755
17.808
17.892
17.978
18.058
18.195

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS75-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/03/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	2.0	U
319-84-6	alpha-BHC	2.0	U
319-86-8	delta-BHC	0.40	JP
58-89-9	gamma-BHC (Lindane)	2.0	U
72-54-8	4,4'-DDD	3.9	U
72-55-9	4,4'-DDE	1.0	JP
50-29-3	4,4'-DDT	1.9	JP
60-57-1	Dieldrin	3.9	U
959-98-8	Endosulfan I	2.0	U
33213-65-9	Endosulfan II	17	
1031-07-8	Endosulfan sulfate	2.4	JP
72-20-8	Endrin	1.9	J
7421-93-4	Endrin Aldehyde	3.9	U
76-44-8	Heptachlor	2.0	U
1024-57-3	Heptachlor Epoxide	0.30	JP
72-43-5	Methoxychlor	20	U
8001-35-2	Toxaphene	98	U
53494-70-5	Endrin Ketone	3.9	U
5103-74-2	gamma-Chlordane	2.0	U
5103-71-9	alpha-Chlordane	2.0	U

Data File: /chem/tracegc82.i/f100601e.b/072f1005133-03.d

Date : 03-JUN-2010 02:16

Client ID: SS75-0-1

Instrument: tracegc82.i

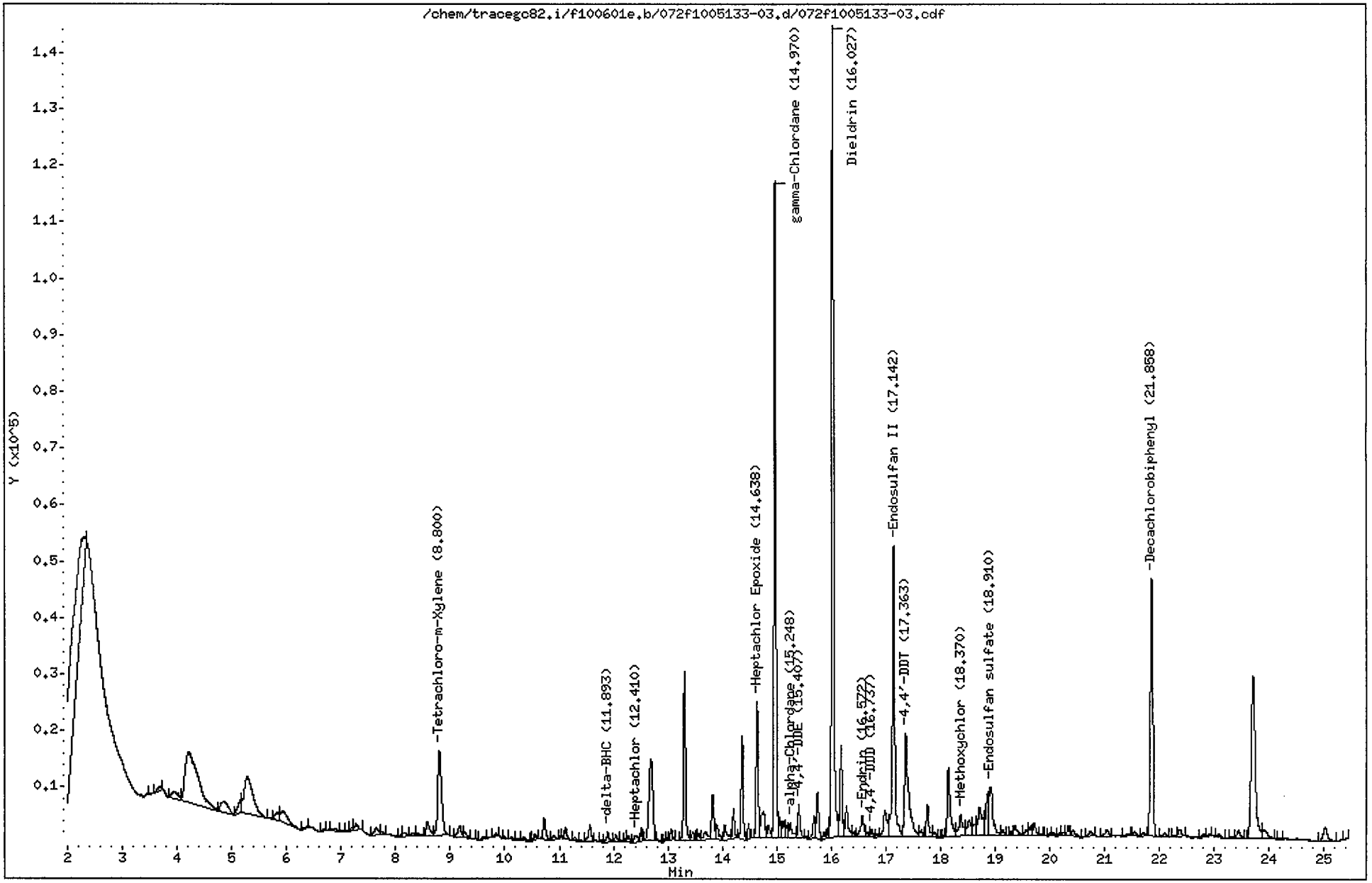
Sample Info: 1005133-03

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-03 Client Smp Id : SS75-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 02:16 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601e.b/8081A_clpestv6.m
Misc. Info : SS75-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.04			390								
1.49			33785								
2.29			148725								
3.50			801								
3.67			2926								
3.94			11101								
4.21			146813								
4.85			17684								
5.17			9652								
5.28			78227								
5.68			788								
5.82			7954								
5.94			19308								
6.36			1069								
6.67			973								
6.85			2316								
7.13			347								
7.21			2446								
7.28			4939								
7.64			6329								
7.74			1901								
8.10			916								
8.16			3733								
8.31			2811								
8.40			2644								
8.58			10745								
8.80	8.73	8.87	73270	1587700	Tetrachloro-m-Xylene	0.046148	9.048608		76.9	70 - 125	
9.17			9850								
9.27			4521								
9.41			386								
9.61			1728								
9.84			1522								
9.98			1325								
10.13			1083								
10.35			2613								
10.55			3042								
10.72			12668								

CompuChem

Lab Smp Id : 1005133-03 Client Smp Id : SS75-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 02:16 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601e.b/8081A_clpestv6.m
Misc. Info : SS75-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
10.89		2272								
11.02		329								
11.12		5327								
11.28		1682								
11.56		10161								
11.76		943								
11.89	11.85 11.99	5601	2721052	delta-BHC	0.002058	0.403535	2.000000			J
12.04		3486								
12.14		706								
12.23		833								
12.27		3217								
12.41	12.38 12.52	5557	2589888	Heptachlor	0.002145	0.420641	2.000000			J
12.52		5156								
12.69		73028								
12.80		1207								
12.94		560								
12.98		694								
13.07		5332								
13.30		76068								
13.46		4059								
13.52		945								
13.57		3407								
13.69		7032								
13.82		24754								
13.91		8229								
14.05		9152								
14.21		12573								
14.36		45053								
14.48		5620								
14.64	14.56 14.70	63093	2235460	Heptachlor Epoxide	0.028224	5.534063	2.000000			
14.76		22784								
14.84		7228								
14.97	14.84 14.98	290922	2245768	gamma-Chlordane	0.129542	25.40046	2.000000			E
15.04		9143								
15.12		8879								
15.18		5800								
15.25	15.15 15.29	10015	1924148	alpha-Chlordane	0.005205	1.020569	2.000000			J

CompuChem

Lab Smp Id : 1005133-03 Client Smp Id : SS75-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 02:16 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601e.b/8081A_clpestv6.m
Misc. Info : SS75-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
15.41	15.34 15.48	16105	2012896	4,4'-DDE	0.008000	1.568708	3.882353			J
15.53		1333								
15.68		11196								
15.75		23897								
15.87		2706								
15.96		4530								
16.03	15.99 16.13	380551	2037205	Dieldrin	0.186801	36.62756	3.882353			E
16.18		45451								
16.28		19922								
16.42		2605								
16.57	16.51 16.65	16262	1695798	Endrin	0.009590	1.880311	3.882353			J
16.66		2041								
16.74	16.66 16.80	3801	1534440	4,4'-DDD	0.002477	0.485711	3.882353			J
16.84		1554								
16.98		20632								
17.14	17.01 17.15	156852	1759840	Endosulfan II	0.089129	17.47619	3.882353			
17.36	17.27 17.41	91594	1722489	4,4'-DDT	0.053175	10.42655	3.882353			
17.65		4098								
17.76		17176								
17.89		2750								
17.98		412								
18.05		438								
18.14		45340								
18.37	18.33 18.47	19384	731447	Methoxychlor	0.026500	5.195988	20.00000			J
18.52		13590								
18.62		9719								
18.72		30524								
18.86		22722								
18.91	18.89 19.03	45160	1574194	Endosulfan sulfate	0.028688	5.625039	3.882353			
19.14		2687								
19.30		1889								
19.36		8875								
19.57		3459								
19.64		5545								
19.71		7697								
19.83		464								
19.93		356								

CompuChem

Lab Smp Id : 1005133-03 Client Smp Id : SS75-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 02:16 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601e.b/8081A_clpestv6.m
Misc. Info : SS75-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
20.00		1543								
20.07		1536								
20.18		1641								
20.24		2033								
20.34		5480								
20.42		5254								
20.74		3959								
21.05		5656								
21.41		1188								
21.55		2283								
21.70		2279								
21.86	21.79 21.93	146199	1622138	Decachlorobiphenyl	0.090127	17.67190		75.1	55 - 130	
22.09		3151								
22.29		854								
22.37		5275								
22.80		2185								
22.91		1377								
23.09		2405								
23.32		641								
23.44		5620								
23.70		146726								
23.91		10019								
24.18		329								
25.02		13359								
25.41		393								

Data File: /chem/tracegc82.i/f100601e_2C.b/072f1005133-03.d

Page 1

Date : 03-JUN-2010 02:16

Client ID: SS75-0-1

Instrument: tracegc82.i

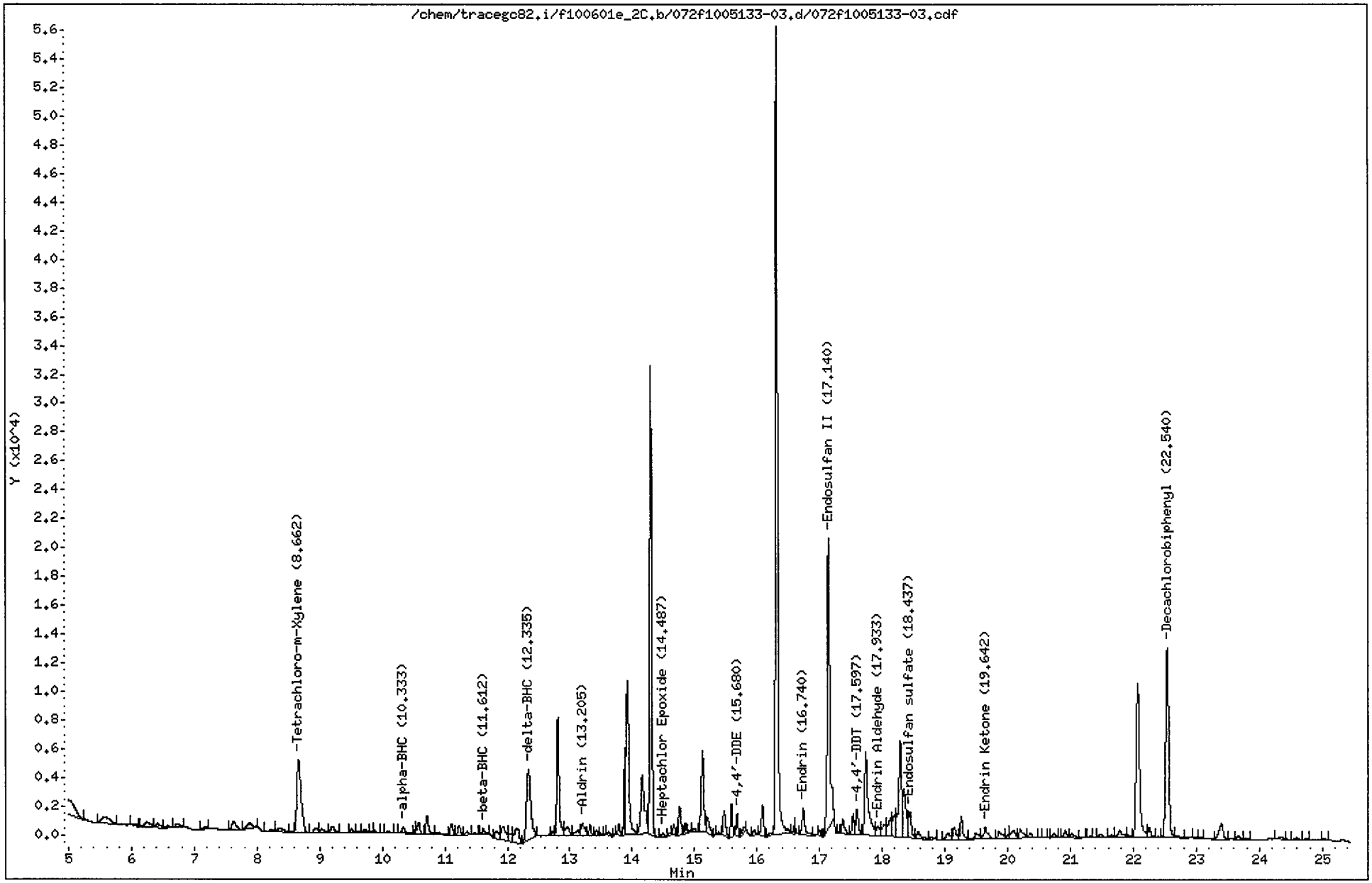
Sample Info: 1005133-03

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-03 Client Smp Id : SS75-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 02:16 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601e_2C.b/8081A_clpest2v6.m
Misc. Info : SS75-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.36		616								
2.08		79167								
3.16		4988								
3.50		52881								
4.31		711								
4.85		27879								
5.56		3924								
6.03		599								
6.24		2216								
6.41		1207								
6.57		490								
6.73		1172								
7.17		276								
7.63		2836								
7.89		2401								
8.24		747								
8.36		1925								
8.56		264								
8.66	8.59 8.73	24145	548876	Tetrachloro-m-Xylene	0.043988	8.625113		73.3	70 - 125	
8.94		1341								
9.03		1046								
9.20		1784								
9.50		870								
9.62		492								
9.73		816								
9.83		268								
9.88		528								
10.08		583								
10.33	10.32 10.46	1904	916452	alpha-BHC	0.002076	0.407154	2.000000			J
10.53		458								
10.58		2165								
10.71		3939								
11.10		2112								
11.22		1720								
11.35		665								
11.48		332								
11.61	11.50 11.64	1028	347428	beta-BHC	0.002956	0.579610	1.001176			J

6/4/10

CompuChem

Lab Smp Id : 1005133-03 Client Smp Id : SS75-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 02:16 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601e_2C.b/8081A_clpest2v6.m
Misc. Info : SS75-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.82		2007								
11.93		4943								
12.04		2208								
12.16		5021								
12.34	12.22 12.36	23603	827595	delta-BHC	0.028519	5.591918	2.000000			
12.72		640								
12.81		21036								
12.97		2605								
13.13		1433								
13.20	13.10 13.24	3264	726628	Aldrin	0.004491	0.880512	2.000000			J
13.32		1440								
13.42		912								
13.49		214								
13.62		803								
13.78		1777								
13.88		9713								
13.92		31245								
14.16		16465								
14.30		72673								
14.49	14.45 14.59	1052	683115	Heptachlor Epoxide	0.001539	0.301675	2.000000			J
14.60		494								
14.67		1405								
14.76		5145								
14.85		1338								
14.91		278								
15.00		825								
15.13		15740								
15.21		3615								
15.38		429								
15.47		5212								
15.59		4733								
15.68	15.61 15.75	3176	617325	4,4'-DDE	0.005143	1.008462	3.882353			J
15.78		1391								
15.95		1007								
16.09		5585								
16.20		791								
16.32		132059								

CompuChem

Lab Smp Id : 1005133-03 Client Smp Id : SS75-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 02:16 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601e_2C.b/8081A_clpest2v6.m
Misc. Info : SS75-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
16.60		730								
16.74	16.60 16.74	5805	524785	Endrin	0.011060	2.168582	3.882353			J
16.94		227								
17.00		803								
17.14	17.07 17.21	55591	526756	Endosulfan II	0.105535	20.69306	3.882353			
17.29		256								
17.37		3227								
17.54		3179								
17.60	17.55 17.69	4972	503765	4,4'-DDT	0.009868	1.934842	3.882353			J
17.74		22993								
17.93	17.81 17.95	2324	425754	Endrin Aldehyde	0.005459	1.070305	3.882353			J
18.04		3438								
18.13		5182								
18.20		5567								
18.29		21671								
18.35		11435								
18.44	18.40 18.54	5776	479624	Endosulfan sulfate	0.012041	2.360919	3.882353			J
18.57		2009								
18.78		594								
19.05		2344								
19.15		3044								
19.26		4773								
19.49		2173								
19.64	19.55 19.69	3814	535815	Endrin Ketone	0.007118	1.395711	3.882353			J
19.86		2435								
20.01		848								
20.10		2609								
20.20		2662								
20.36		1330								
20.59		184								
20.74		916								
20.92		1316								
21.02		1081								
21.18		182								
21.31		265								
21.48		1037								
21.66		691								

CompuChem

Lab Smp Id : 1005133-03 Client Smp Id : SS75-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 03-JUN-2010 02:16 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601e_2C.b/8081A_clpest2v6.m
Misc. Info : SS75-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
21.78		2279								
21.92		415								
22.07		41853								
22.25		2064								
22.54	22.47 22.61	43180	497254	Decachlorobiphenyl	0.086835	17.02643		72.4	55 - 130	
22.69		742								
22.86		330								
23.06		168								
23.40		5047								
23.67		851								
23.80		248								
24.34		746								
24.59		650								
24.73		260								
25.04		291								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS76-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-16

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 2 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	0.28	JP
319-85-7	beta-BHC	1.7	U
319-84-6	alpha-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
72-54-8	4,4'-DDD	3.4	U
72-55-9	4,4'-DDE	0.67	JP
50-29-3	4,4'-DDT	1.3	JP
60-57-1	Dieldrin	0.68	JP
959-98-8	Endosulfan I	1.7	U
33213-65-9	Endosulfan II	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
72-20-8	Endrin	1.3	JP
7421-93-4	Endrin Aldehyde	3.4	U
76-44-8	Heptachlor	0.42	J
1024-57-3	Heptachlor Epoxide	1.7	U
72-43-5	Methoxychlor	17	U
8001-35-2	Toxaphene	85	U
53494-70-5	Endrin Ketone	3.4	U
5103-74-2	gamma-Chlordane	5.5	P
5103-71-9	alpha-Chlordane	1.7	U

Data File: /chem/tracegc82.i/h100608b.b/027h1005133-16.d

Date : 09-JUN-2010 17:53

Client ID: SS76-0-1

Sample Info: 1005133-16

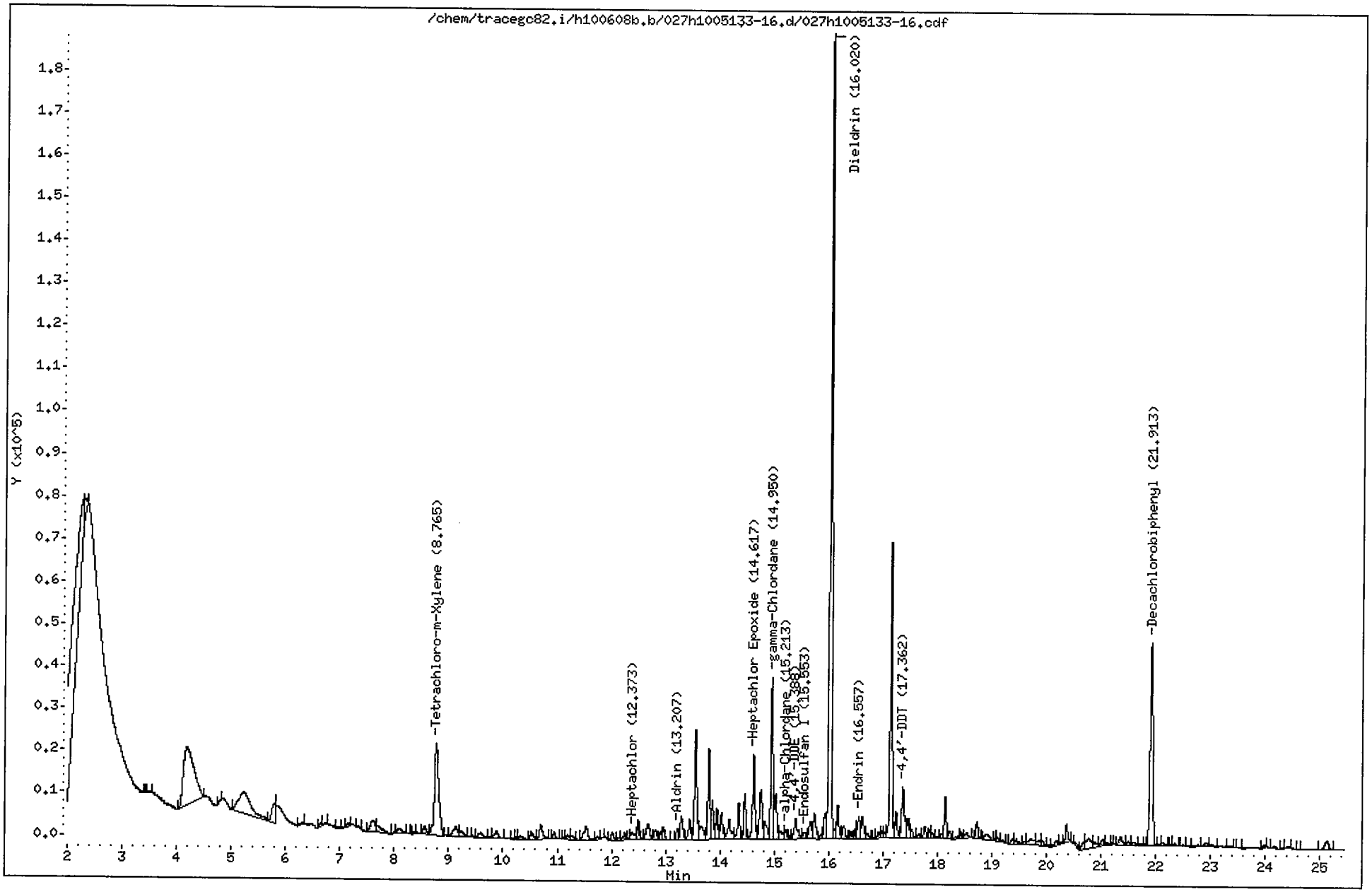
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc82.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-16 Client Smp Id : SS76-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 17:53 Inst ID : TRACEGC82
Operator : AHW
Method : /chem/tracegc82.i/h100608b.b/8081A_clpestv6.m
Misc. Info : SS76-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 2(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
0.32			341								
0.36			514								
0.41			1062								
0.46			1270								
0.55			733								
0.58			647								
0.80			316								
0.92			370								
1.05			412								
1.13			315								
1.36			1799								
1.46			30265								
2.26			177288								
2.30			13554								
3.41			344								
3.49			759								
4.18			186556								
4.82			963								
5.24			76373								
5.81			17812								
6.29			1603								
6.65			2494								
6.72			1737								
6.95			627								
7.16			2288								
7.33			1707								
7.59			17619								
7.70			9704								
8.00			409								
8.09			6380								
8.25			301								
8.37			914								
8.55			7367								
8.76	8.69	8.83	116792	2301868	Tetrachloro-m-Xylene	0.050737	8.628824		84.6	70 - 125	
9.13			12837								
9.23			5521								
9.45			912								

CompuChem

Lab Smp Id : 1005133-16 Client Smp Id : SS76-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 17:53 Inst ID :
Operator : AHW
Method : /chem/tracegc82.i/h100608b.b/8081A_clpestv6.m
Misc. Info : SS76-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 2(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
9.58		6192								
9.77		1058								
9.87		8866								
10.20		509								
10.22		1377								
10.31		4220								
10.52		7405								
10.70		14208								
10.94		4442								
11.13		429								
11.19		3713								
11.26		3564								
11.53		17424								
11.73		1856								
11.84		393								
12.02		5284								
12.13		1500								
12.24		5682								
12.33		1064								
12.37	12.35 12.49	9006	3684488	Heptachlor	0.002444	0.415698	1.734694			J
12.49		11816								
12.58		751								
12.68		17753								
12.81		8896								
12.91		4532								
12.96		7869								
13.21	13.08 13.22	5577	3341085	Aldrin	0.001669	0.283830	1.734694			J
13.29		18846								
13.44		13736								
13.55		80212								
13.64		15380								
13.79		57518								
13.86		24865								
13.94		18652								
14.03		18626								
14.17		20414								
14.35		23791								

CompuChem

Lab Smp Id : 1005133-16 Client Smp Id : SS76-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 17:53 Inst ID :
Operator : AHW
Method : /chem/tracegc82.i/h100608b.b/8081A_clpestv6.m
Misc. Info : SS76-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 2(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
14.45		25890								
14.62	14.53 14.67	59258	3010525	Heptachlor Epoxide	0.019683	3.347496	1.734694			
14.75		39920								
14.82		17225								
14.95	14.82 14.96	97361	3005622	gamma-Chlordane	0.032393	5.509006	1.734694			
15.03		34119								
15.12		8891								
15.21	15.13 15.27	6138	2539038	alpha-Chlordane	0.002417	0.411064	1.734694			J
15.29		1834								
15.39	15.32 15.46	20102	2606392	4,4'-DDE	0.007713	1.311663	3.367347			J
15.55	15.43 15.57	5542	2745735	Endosulfan I	0.002018	0.343204	1.734694			J
15.66		14754								
15.73		20430								
15.86		2611								
15.93		16450								
16.02	15.98 16.12	497453	2641458	Dieldrin	0.188325	32.02803	3.367347			EM 2
16.09		4862								
16.17		22867								
16.27		10399								
16.41		4199								
16.50		4810								
16.56	16.49 16.63	16512	2142524	Endrin	0.007706	1.310601	3.367347			J
16.62		15796								
16.71		3720								
16.85		590								
16.92		3974								
16.97		4782								
17.03		3380								
17.14		184227								
17.24		17057								
17.36	17.27 17.41	44311	2061735	4,4'-DDT	0.021492	3.655035	3.367347			
17.46		12322								
17.52		5960								
17.66		3611								
17.77		8073								
17.85		4610								
17.91		3466								

6/11/10

CompuChem

Lab Smp Id : 1005133-16 Client Smp Id : SS76-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 17:53 Inst ID :
Operator : AHW
Method : /chem/tracegc82.i/h100608b.b/8081A_clpestv6.m
Misc. Info : SS76-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 2(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
17.99		639								
18.07		2533								
18.14		25286								
18.23		5165								
18.34		2156								
18.43		2703								
18.53		5046								
18.73		9735								
18.89		7818								
19.07		1197								
19.10		2144								
19.28		306								
19.38		3682								
19.44		4532								
19.60		2758								
19.71		10380								
19.84		5652								
19.93		2898								
20.02		984								
20.18		4739								
20.25		976								
20.37		12348								
20.53		3322								
20.68		5215								
20.77		18604								
20.89		5053								
21.03		6732								
21.11		1968								
21.18		911								
21.35		6927								
21.50		2424								
21.59		2761								
21.72		645								
21.91	21.84 21.98	163956	1657019	Decachlorobiphenyl	0.098946	16.82751		82.5	55 - 130	
22.08		604								
22.11		2319								
22.31		451								

CompuChem

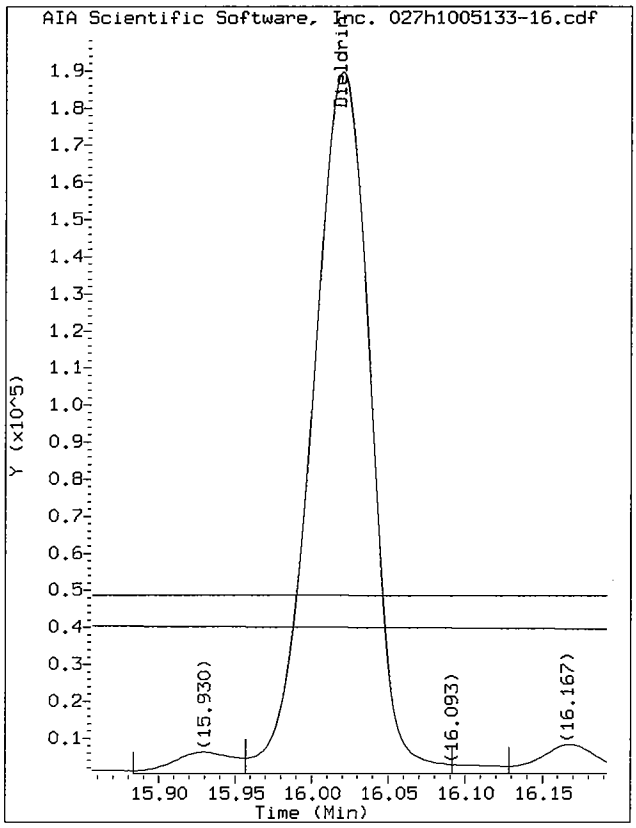
Lab Smp Id : 1005133-16 Client Smp Id : SS76-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 17:53 Inst ID :
Operator : AHW
Method : /chem/tracegc82.i/h100608b.b/8081A_clpestv6.m
Misc. Info : SS76-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 2(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
22.34		1594								
22.50		686								
22.57		600								
22.92		3568								
23.01		2000								
23.34		1969								
23.50		427								
23.98		1551								
24.17		1970								
24.41		998								
24.58		443								
25.12		10426								

Manually Integrated Peaks



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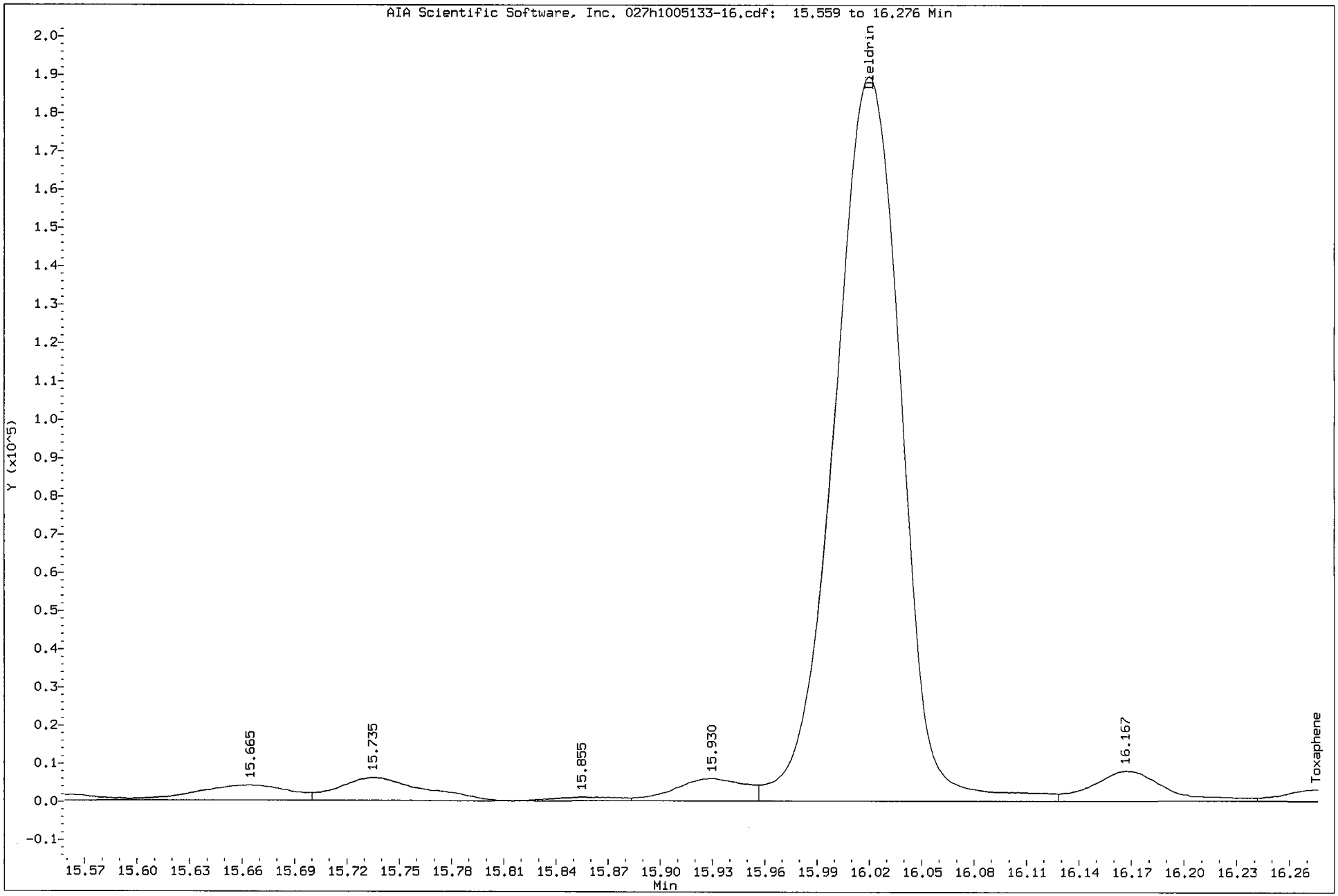
Injection Date: 09-JUN-2010 17:53
Instrument: tracegc82.i
Client Sample ID: SS76-0-1



Data File: /chem/tracegc82.i/h100608b_2C.b/027h1005133-16.d

Date : 09-JUN-2010 17:53

Client ID: SS76-0-1

Instrument: tracegc82.i

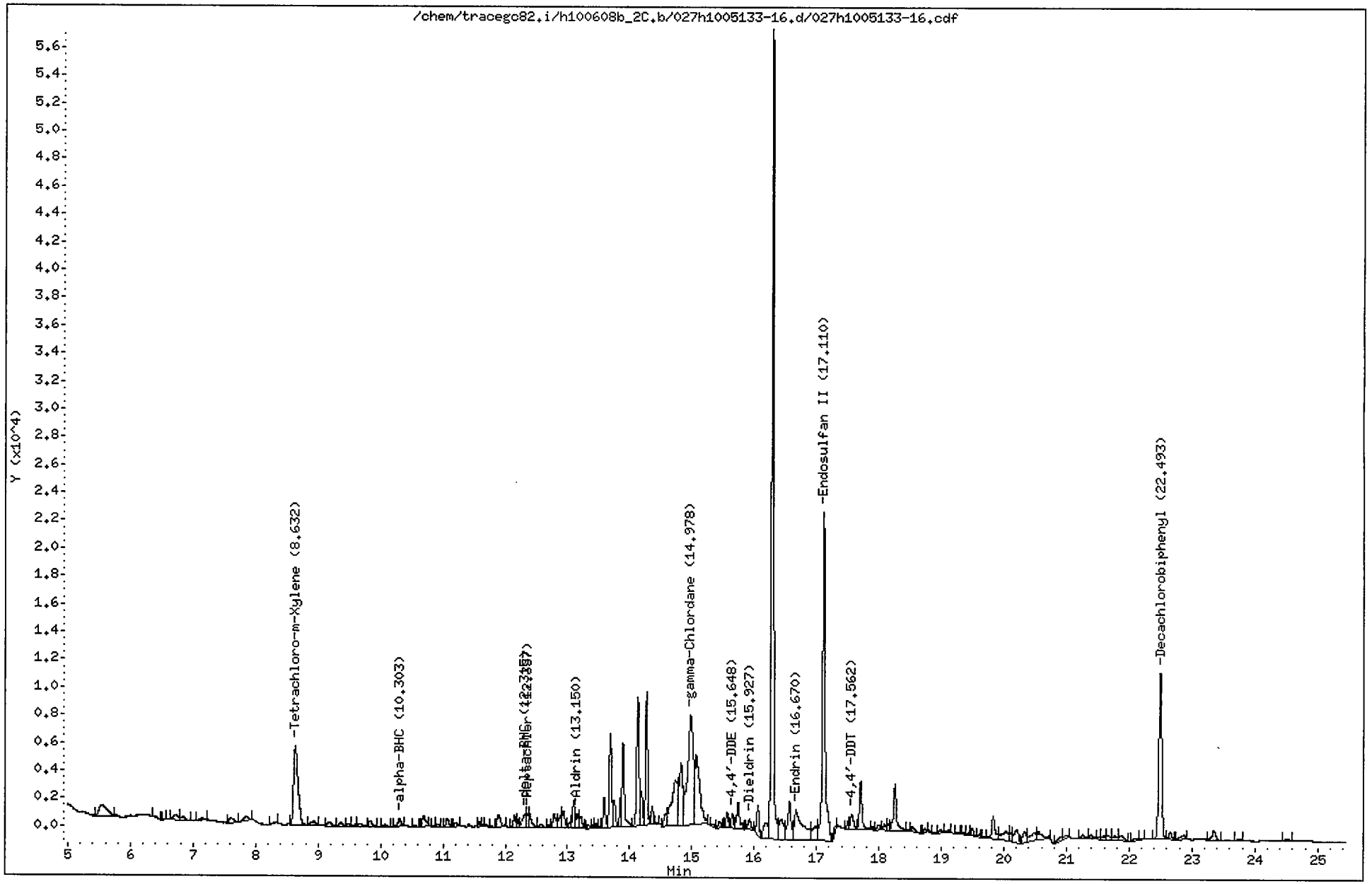
Sample Info: 1005133-16

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-16 Client Smp Id : SS76-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 17:53 Inst ID : TRACEGC82
Operator : AHW
Method : /chem/tracegc82.i/h100608b_2C.b/8081A_clpest2v6.m
Misc. Info : SS76-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 2(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.34			1131								
2.08			878319								
3.12			273								
3.50			38549								
4.32			8884								
4.81			1047								
5.55			6816								
6.37			674								
6.54			149								
6.73			2289								
6.83			1370								
7.14			548								
7.60			1638								
7.86			1800								
8.33			193								
8.63	8.56	8.70	27767	632710	Tetrachloro-m-Xylene	0.043884	7.463307		73.1	70 - 125	
8.92			1270								
9.18			1172								
9.37			979								
9.49			531								
9.60			532								
9.67			986								
9.83			1466								
10.08			491								
10.30	10.29	10.43	1708	1047682	alpha-BHC	0.001629	0.277094	1.734694			J
10.55			326								
10.69			2824								
10.85			185								
10.92			527								
11.07			1755								
11.20			853								
11.58			646								
11.70			425								
11.78			317								
11.89			3921								
12.15			2345								
12.20			1386								

CompuChem

Lab Smp Id : 1005133-16 Client Smp Id : SS76-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 17:53 Inst ID :
Operator : AHW
Method : /chem/tracegc82.i/h100608b_2C.b/8081A_clpest2v6.m
Misc. Info : SS76-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 2(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.32	12.19 12.33	3948	905560	delta-BHC	0.004359	0.741263	1.734694			J
12.36	12.31 12.45	2433	869920	Heptachlor	0.002797	0.475648	1.734694			J
12.40		3162								
12.57		940								
12.70		551								
12.78		3473								
12.89		2872								
12.94		3335								
13.04		916								
13.10		4451								
13.15	13.07 13.21	2896	800938	Aldrin	0.003615	0.614713	1.734694			J
13.21		1799								
13.34		602								
13.42		514								
13.46		693								
13.53		131								
13.59		5314								
13.69		17712								
13.75		4604								
13.85		3328								
13.89		16494								
14.13		25224								
14.19		5625								
14.27		21635								
14.36		2588								
14.42		302								
14.57		2417								
14.73		23807								
14.82		17451								
14.98	14.85 14.99	49953	732785	gamma-Chlordane	0.068167	11.59308	1.734694			
15.07		27051								
15.35		483								
15.44		1368								
15.52		133								
15.56		2896								
15.65	15.58 15.72	2478	628898	4,4'-DDE	0.003939	0.669837	3.367347			J
15.74		6703								

CompuChem

Lab Smp Id : 1005133-16 Client Smp Id : SS76-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 17:53 Inst ID :
Operator : AHW
Method : /chem/tracegc82.i/h100608b_2C.b/8081A_clpest2v6.m
Misc. Info : SS76-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 2(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
15.93	15.91 16.05	2489	620834	Dieldrin	0.004008	0.681550	3.367347			JM 2
16.06		5606								
16.19		5584								
16.29		137603								
16.43		8030								
16.57		10202								
16.67	16.57 16.71	20248	524294	Endrin	0.038620	6.567954	3.367347			
16.99		5297								
17.11	17.04 17.18	70619	513939	Endosulfan II	0.137405	23.36828	3.367347			
17.32		1254								
17.50		1275								
17.56	17.52 17.66	3683	475411	4,4'-DDT	0.007747	1.317513	3.367347			J
17.70		9850								
17.90		530								
18.00		1216								
18.09		1237								
18.15		1180								
18.25		11330								
18.46		137								
18.53		1377								
18.74		638								
18.80		293								
18.90		185								
18.99		603								
19.11		580								
19.23		429								
19.36		228								
19.43		343								
19.50		1489								
19.61		342								
19.68		198								
19.82		5926								
20.04		4987								
20.10		2063								
20.20		4309								
20.33		3163								
20.48		3632								

KEH 6/11/10

CompuChem

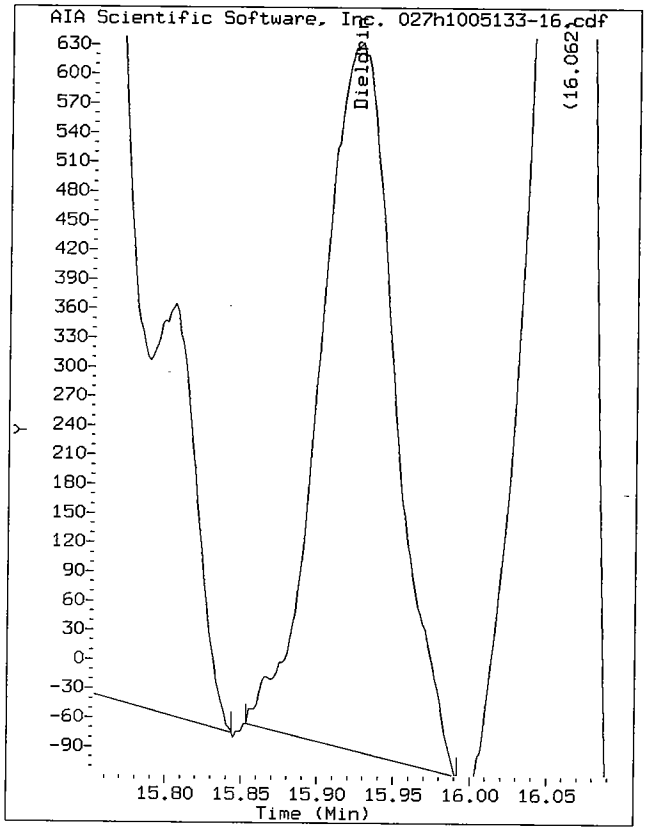
Lab Smp Id : 1005133-16 Client Smp Id : SS76-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 17:53 Inst ID :
Operator : AHW
Method : /chem/tracegc82.i/h100608b_2C.b/8081A_clpest2v6.m
Misc. Info : SS76-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 2(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
20.55		3550								
20.91		1372								
20.98		667								
21.27		965								
21.40		1214								
21.54		382								
21.60		992								
21.66		1129								
21.74		1588								
21.87		1747								
22.09		583								
22.19		189								
22.49	22.43 22.57	38845	423349	Decachlorobiphenyl	0.091754	15.60445		76.5	55 - 130	
22.66		1513								
22.86		1162								
23.35		2887								
23.75		476								
24.51		572								

Manually Integrated Peaks



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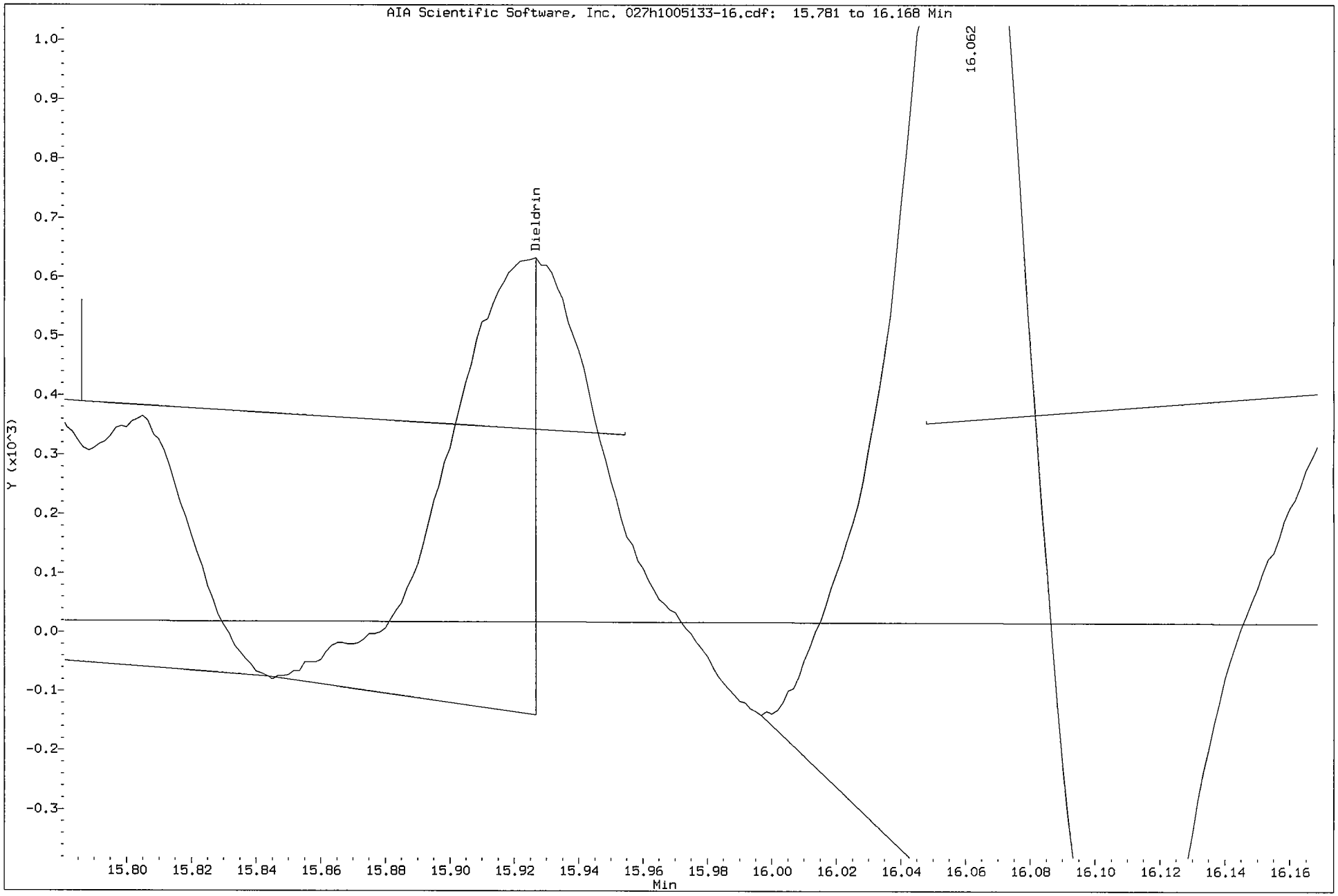
Injection Date: 09-JUN-2010 17:53
Instrument: tracegc82.i
Client Sample ID: SS76-0-1



1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS76-0-1RE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-16RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 2 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

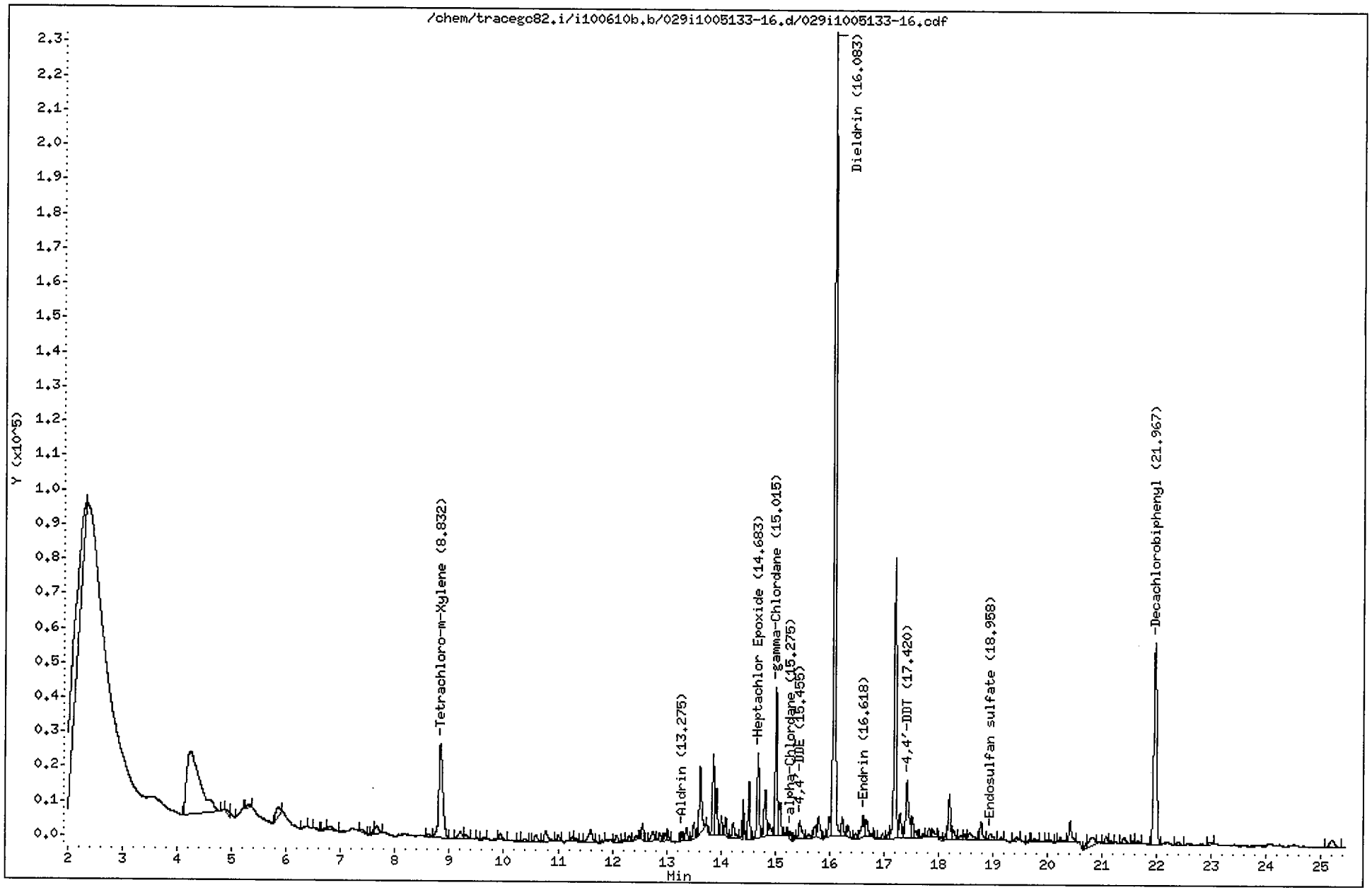
Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	0.23	JP
319-85-7	beta-BHC	1.7	U
319-84-6	alpha-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
72-54-8	4,4'-DDD	3.4	U
72-55-9	4,4'-DDE	0.89	J
50-29-3	4,4'-DDT	1.5	JP
60-57-1	Dieldrin	1.8	JP
959-98-8	Endosulfan I	1.7	U
33213-65-9	Endosulfan II	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
72-20-8	Endrin	1.3	JP
7421-93-4	Endrin Aldehyde	3.4	U
76-44-8	Heptachlor	1.7	U
1024-57-3	Heptachlor Epoxide	0.34	JP
72-43-5	Methoxychlor	17	U
8001-35-2	Toxaphene	85	U
53494-70-5	Endrin Ketone	3.4	U
5103-74-2	gamma-Chlordane	1.7	U
5103-71-9	alpha-Chlordane	1.7	U

Data File: /chem/tracegc82.i/i100610b.b/029i1005133-16.d
Date : 11-JUN-2010 06:06
Client ID: SS76-0-1RE
Sample Info: 1005133-16RE1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-16RE1 Client Smp Id : SS76-0-1RE
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 06:06 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610b.b/8081A_clpestv6.m
Misc. Info : SS76-0-1RE

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 2(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.39			1490								
1.49			37070								
2.31			148057								
4.23			310075								
4.89			6500								
5.21			2126								
5.32			3298								
5.86			15297								
6.38			1747								
6.50			2417								
6.71			2980								
6.81			8337								
7.40			3829								
7.61			2456								
7.66			10110								
8.62			3672								
8.83	8.77	8.91	139422	2945399	Tetrachloro-m-Xylene	0.047335	8.050202		78.9	70 - 125	
9.21			10832								
9.29			5655								
9.51			984								
9.65			2018								
9.94			6056								
10.29			1062								
10.38			3235								
10.59			7655								
10.78			14110								
11.01			6311								
11.26			2489								
11.32			3191								
11.60			16979								
11.71			903								
11.81			1759								
12.08			5848								
12.20			1748								
12.31			4787								
12.44			3187								
12.56			10293								

CompuChem

Lab Smp Id : 1005133-16RE1 Client Smp Id : SS76-0-1RE
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 06:06 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610b.b/8081A_clpestv6.m
Misc. Info : SS76-0-1RE

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 2(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.75		10716								
12.88		6729								
12.97		4576								
13.03		6146								
13.28	13.16 13.30	6142	4480730	Aldrin	0.001371	0.233122	1.734694			J
13.36		10510								
13.51		10508								
13.62		59751								
13.86		58612								
13.92		32724								
14.01		12025								
14.09		13715								
14.23		16035								
14.41		11563								
14.52		38607								
14.68	14.60 14.74	67212	4017505	Heptachlor Epoxide	0.016730	2.845159	1.734694			
14.82		40556								
14.89		12013								
15.02	14.89 15.03	107118	4028032	gamma-Chlordane	0.026593	4.522599	1.734694			
15.09		28780								
15.17		1425								
15.28	15.20 15.34	4394	3452365	alpha-Chlordane	0.001273	0.216454	1.734694			J
15.36		2107								
15.46	15.39 15.53	18271	3488364	4,4'-DDE	0.005237	0.890716	3.367347			J
15.62		2680								
15.73		8606								
15.80		18799								
15.92		787								
15.99		15156								
16.08	16.05 16.19	625126	3622591	Dieldrin	0.172563	29.34749	3.367347			E
16.23		14971								
16.34		9875								
16.48		4001								
16.62	16.56 16.70	21943	2848850	Endrin	0.007702	1.309933	3.367347			J
16.68		15387								
16.87		808								
16.98		5658								

CompuChem

Lab Smp Id : 1005133-16RE1 Client Smp Id : SS76-0-1RE
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 06:06 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610b.b/8081A_clpestv6.m
Misc. Info : SS76-0-1RE

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 2(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
17.09		5451								
17.20		221783								
17.30		21587								
17.42	17.34 17.48	62194	2895586	4,4'-DDT	0.021479	3.652815	3.367347			
17.52		16545								
17.58		5277								
17.72		2853								
17.83		6410								
17.91		5799								
18.05		1687								
18.14		3323								
18.20		37632								
18.29		7858								
18.39		4240								
18.49		3954								
18.58		10800								
18.78		16909								
18.96	18.96 19.10	8949	2454690	Endosulfan sulfate	0.003645	0.619943	3.367347			J
19.16		2966								
19.43		4973								
19.65		1368								
19.77		3311								
19.98		1148								
20.07		1852								
20.24		3770								
20.41		18863								
20.73		4550								
20.81		16759								
21.08		6373								
21.16		2144								
21.41		7943								
21.55		2650								
21.66		3210								
21.97	21.90 22.04	218381	2320776	Decachlorobiphenyl	0.094098	16.00303		78.4	55 - 130	
22.40		4102								
22.98		2673								
25.20		13218								

Data File: /chem/tracegc82.i/i100610b_2C.b/029i1005133-16.d

Date : 11-JUN-2010 06:06

Client ID: SS76-0-1RE

Instrument: tracegc82.i

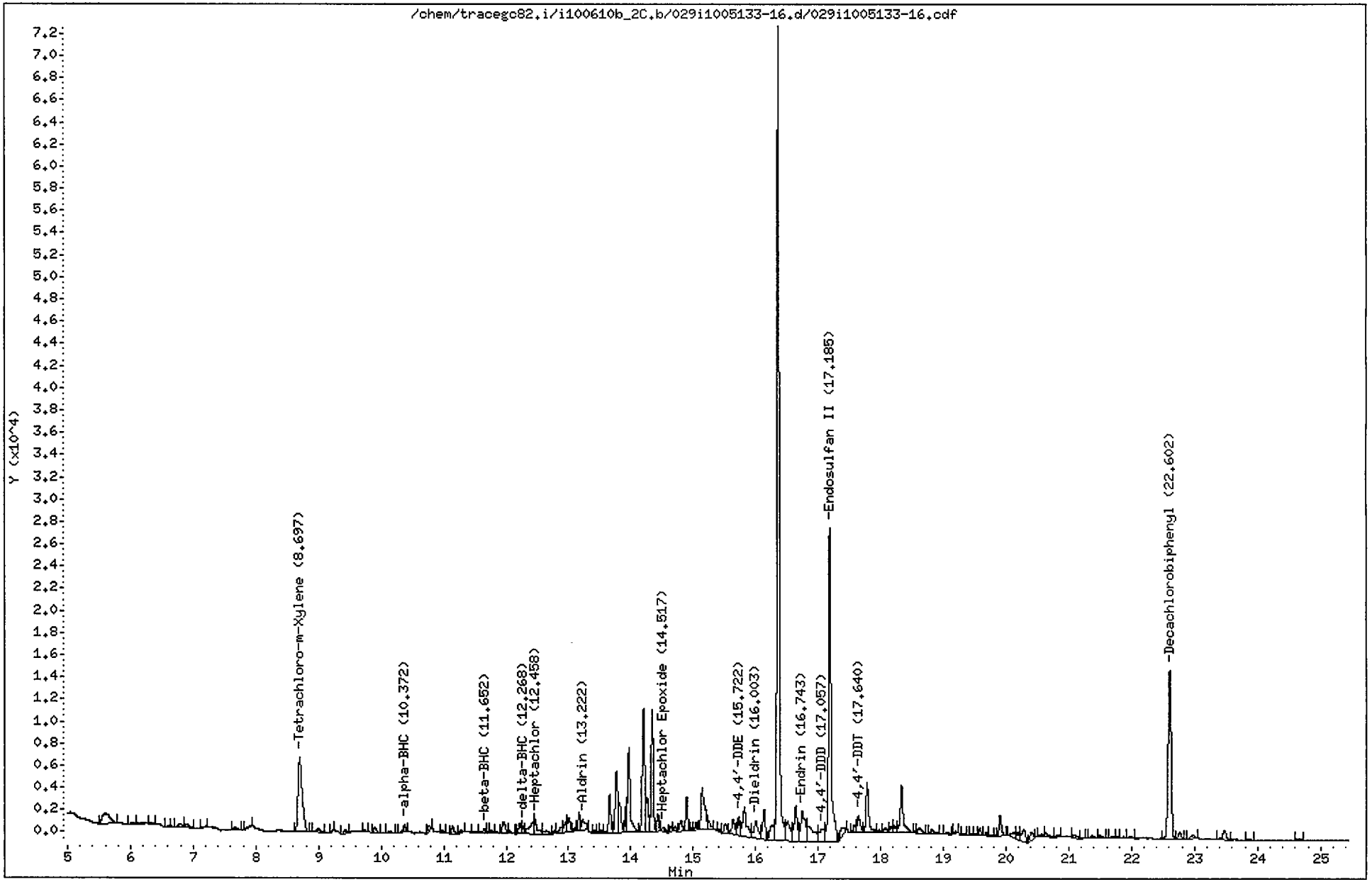
Sample Info: 1005133-16RE1

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-16RE1 Client Smp Id : SS76-0-1RE
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 06:06 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610b_2C.b/8081A_clpest2v6.m
Misc. Info : SS76-0-1RE

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 2(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.38			1059								
2.09			430712								
2.13			580082								
3.54			12816								
4.34			463								
5.59			8102								
6.01			330								
6.33			436								
6.61			202								
6.79			1595								
6.89			1512								
7.17			329								
7.68			1015								
7.92			689								
8.70	8.63	8.77	30932	708805	Tetrachloro-m-Xylene	0.043640	7.421706		72.7	70 - 125	
9.00			1108								
9.23			164								
9.43			1101								
9.74			467								
9.89			1426								
10.14			519								
10.37	10.36	10.50	1931	1189972	alpha-BHC	0.001622	0.275831	1.734694			J
10.76			1116								
10.99			575								
11.14			1589								
11.27			822								
11.48			484								
11.65	11.55	11.69	1114	437132	beta-BHC	0.002546	0.433017	1.734694			J
11.71			201								
11.76			765								
11.85			375								
11.96			3883								
12.06			759								
12.21			2400								
12.27	12.26	12.40	1502	1032470	delta-BHC	0.001454	0.247244	1.734694			J
12.43			4947								
12.46	12.38	12.52	4688	997000	Heptachlor	0.004701	0.799508	1.734694			J

6/11/10

CompuChem

Lab Smp Id : 1005133-16RE1 Client Smp Id : SS76-0-1RE
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 06:06 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610b_2C.b/8081A_clpest2v6.m
Misc. Info : SS76-0-1RE

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 2(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.64		1770								
12.77		707								
12.88		1796								
12.96		3032								
13.01		3729								
13.10		614								
13.17		3432								
13.22	13.15 13.29	4042	934385	Aldrin	0.004325	0.735505	1.734694			J
13.40		607								
13.48		505								
13.53		654								
13.66		8512								
13.77		16257								
13.82		6555								
13.92		4354								
13.96		21999								
14.20		30987								
14.26		7325								
14.34		25653								
14.43		3511								
14.52	14.49 14.63	1736	854658	Heptachlor Epoxide	0.002030	0.345247	1.734694			J
14.64		1241								
14.71		751								
14.80		2810								
14.90		6376								
14.97		373								
15.05		1378								
15.14		15487								
15.25		2276								
15.42		429								
15.51		2489								
15.64		4467								
15.72	15.66 15.80	4423	742671	4,4'-DDE	0.005954	1.012616	3.367347			J
15.82		11952								
16.00	15.98 16.12	7801	743382	Dieldrin	0.010493	1.784452	3.367347			J
16.13		8604								
16.27		6611								

CompuChem

Lab Smp Id : 1005133-16RE1 Client Smp Id : SS76-0-1RE
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 06:06 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610b_2C.b/8081A_clpest2v6.m
Misc. Info : SS76-0-1RE

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 2(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
16.36		172690								
16.51		8671								
16.64		11790								
16.74	16.65 16.79	13376	615390	Endrin	0.021734	3.696290	3.367347			
16.83		10719								
17.06	16.92 17.06	7214	531489	4,4'-DDD	0.013573	2.308366	3.367347			J
17.18	17.12 17.26	80978	626482	Endosulfan II	0.129258	21.98269	3.367347			
17.39		3608								
17.58		1403								
17.64	17.59 17.73	5181	587788	4,4'-DDT	0.008814	1.499049	3.367347			J
17.78		13531								
17.98		616								
18.07		1690								
18.16		1623								
18.22		1855								
18.33		14566								
18.55		372								
18.61		1713								
18.82		1734								
19.05		755								
19.19		378								
19.31		530								
19.45		226								
19.51		295								
19.58		1493								
19.68		606								
19.75		357								
19.90		4919								
20.12		2249								
20.18		1693								
20.28		4711								
20.41		2583								
20.56		650								
20.63		1365								
20.82		446								
21.08		1270								
21.22		162								

CompuChem

Lab Smp Id : 1005133-16RE1 Client Smp Id : SS76-0-1RE
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 06:06 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610b_2C.b/8081A_clpest2v6.m
Misc. Info : SS76-0-1RE

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 2(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
21.37		620								
21.50		723								
21.68		422								
21.77		447								
21.97		548								
22.60	22.53 22.67	49378	535699	Decachlorobiphenyl	0.092173	15.67568		76.8	55 - 130	
22.76		1923								
22.98		1496								
23.47		3568								
23.87		571								
24.66		628								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS76-0-1REDL

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-16RE2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 2 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	8.7	U
319-85-7	beta-BHC	8.7	U
319-84-6	alpha-BHC	8.7	U
319-86-8	delta-BHC	8.7	U
58-89-9	gamma-BHC (Lindane)	8.7	U
72-54-8	4,4'-DDD	17	U
72-55-9	4,4'-DDE	17	U
50-29-3	4,4'-DDT	2.6	DJ
60-57-1	Dieldrin	17	U
959-98-8	Endosulfan I	8.7	U
33213-65-9	Endosulfan II	17	U
1031-07-8	Endosulfan sulfate	17	U
72-20-8	Endrin	17	U
7421-93-4	Endrin Aldehyde	17	U
76-44-8	Heptachlor	8.7	U
1024-57-3	Heptachlor Epoxide	8.7	U
72-43-5	Methoxychlor	87	U
8001-35-2	Toxaphene	420	U
53494-70-5	Endrin Ketone	17	U
5103-74-2	gamma-Chlordane	8.7	U
5103-71-9	alpha-Chlordane	8.7	U

Data File: /chem/tracegc82.i/i100610b.b/030i1005133-16.d

Date : 11-JUN-2010 06:35

Client ID: SS76-0-1REDL

Sample Info: 1005133-16RE2

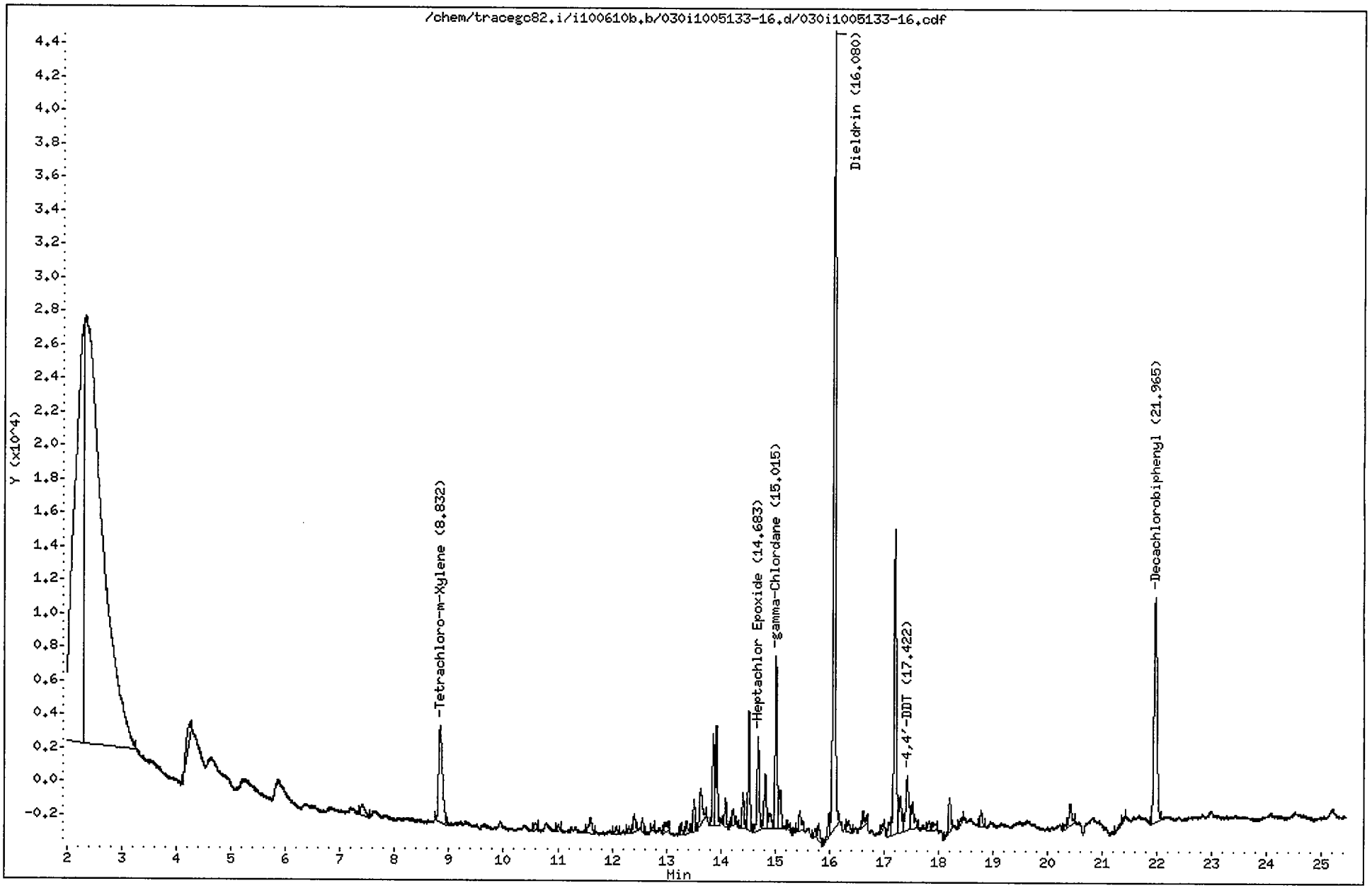
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc82.i

Operator: BWL

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-16RE2 Client Smp Id : SS76-0-1REDL
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 06:35 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610b.b/8081A_clpestv6.m
Misc. Info : SS76-0-1REDL

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 5.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 2(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.05			1051								
1.39			4514								
1.47			23900								
2.30			302994								
2.33			572564								
4.24			6335								
7.39			3752								
8.83	8.77	8.91	28001	2945399	Tetrachloro-m-Xylene	0.009506	8.083634		79.2	70 - 125	
10.58			1226								
11.01			1058								
11.60			3984								
12.08			1527								
12.30			1039								
12.40			2954								
12.56			1855								
12.74			817								
12.97			2564								
13.27			1748								
13.37			1883								
13.51			4526								
13.63			8633								
13.86			13629								
13.92			14538								
14.09			3896								
14.23			2067								
14.41			5057								
14.52			16626								
14.68	14.60	14.74	15422	4017505	Heptachlor Epoxide	0.003838	3.263990	8.673469			J
14.82			9809								
14.90			3709								
15.02	14.89	15.03	25628	4028032	gamma-Chlordane	0.006362	5.410214	8.673469			J
15.09			7740								
15.27			1092								
15.45			3914								
15.74			1144								
15.80			2793								
15.99			4505								

6/11/10

CompuChem

Lab Smp Id : 1005133-16RE2 Client Smp Id : SS76-0-1REDL
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 06:35 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610b.b/8081A_clpestv6.m
Misc. Info : SS76-0-1REDL

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 5.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 2(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
16.08	16.05 16.19	126346	3622591	Dieldrin	0.034877	29.65729	16.83673			
16.35		2702								
16.62		2822								
16.98		1154								
17.09		2533								
17.20		54029								
17.30		7932								
17.42	17.34 17.48	12939	2895586	4,4'-DDT	0.004468	3.799473	16.83673			J
17.52		5931								
17.82		1527								
17.91		1758								
18.20		6044								
18.42		907								
18.78		2728								
20.33		869								
20.42		4430								
21.34		781								
21.41		851								
21.96	21.90 22.04	51034	2320776	Decachlorobiphenyl	0.021990	18.69866		91.6	55 - 130	

Data File: /chem/tracegc82.i/i100610b_2C.b/030i1005133-16.d

Date : 11-JUN-2010 06:35

Client ID: SS76-0-1REDL

Instrument: tracegc82.i

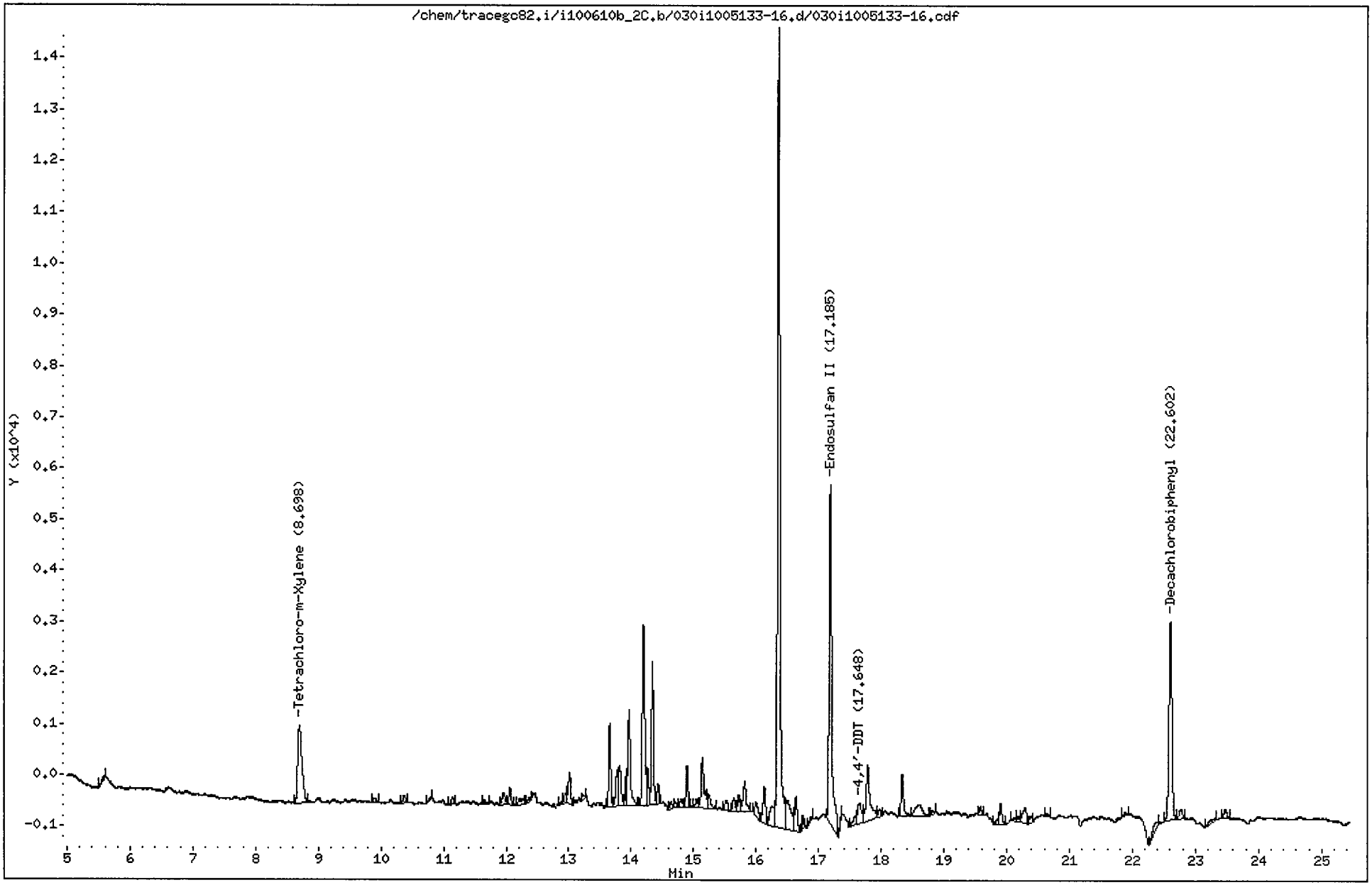
Sample Info: 1005133-16RE2

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-16RE2 Client Smp Id : SS76-0-1REDL
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 06:35 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610b_2C.b/8081A_clpest2v6.m
Misc. Info : SS76-0-1REDL

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 5.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 2(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.37			1077								
1.52			37867								
2.09			271058								
3.53			1651								
5.59			222								
8.70	8.63	8.77	7156	708805	Tetrachloro-m-Xylene	0.010094	8.583717		84.1	70 - 125	
9.90			307								
10.37			423								
10.80			165								
11.14			393								
11.65			208								
11.96			727								
12.06			765								
12.22			633								
12.37			198								
12.90			160								
12.96			627								
13.02			1564								
13.22			213								
13.66			3603								
13.78			2091								
13.82			2015								
13.92			1121								
13.96			5393								
14.20			9769								
14.26			1622								
14.34			6451								
14.43			828								
14.64			325								
14.71			186								
14.81			482								
14.90			1746								
15.04			388								
15.14			3357								
15.25			805								
15.52			709								
15.64			724								

CompuChem

Lab Smp Id : 1005133-16RE2 Client Smp Id : SS76-0-1REDL
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 06:35 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610b_2C.b/8081A_clpest2v6.m
Misc. Info : SS76-0-1REDL

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 5.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 2(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
15.72		749								
15.82		1974								
16.00		963								
16.14		2143								
16.26		1886								
16.36		42047								
16.51		3410								
16.64		2040								
16.75		464								
16.89		191								
17.18	17.12 17.26	19378	626482	Endosulfan II	0.030931	26.30224	16.83673			
17.36		270								
17.58		581								
17.65	17.59 17.73	1788	587788	4,4'-DDT	0.003040	2.585216	16.83673			J
17.78		4863								
17.98		422								
18.33		2111								
18.61		1724								
18.82		161								
19.58		360								
19.84		222								
19.91		1134								
20.12		265								
20.18		209								
20.29		1343								
20.39		396								
20.64		170								
21.89		228								
22.39		945								
22.60	22.53 22.67	12668	535699	Decachlorobiphenyl	0.023646	20.10691		98.5	55 - 130	
22.77		724								
23.29		328								
23.48		580								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS87-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-18

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 20 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.1	U
319-85-7	beta-BHC	2.1	U
319-84-6	alpha-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
72-54-8	4,4'-DDD	4.1	U
72-55-9	4,4'-DDE	4.1	U
50-29-3	4,4'-DDT	4.1	U
60-57-1	Dieldrin	4.1	U
959-98-8	Endosulfan I	2.1	U
33213-65-9	Endosulfan II	4.1	U
1031-07-8	Endosulfan sulfate	1.2	JP
72-20-8	Endrin	4.1	U
7421-93-4	Endrin Aldehyde	4.1	U
76-44-8	Heptachlor	2.1	U
1024-57-3	Heptachlor Epoxide	2.1	U
72-43-5	Methoxychlor	21	U
8001-35-2	Toxaphene	100	U
53494-70-5	Endrin Ketone	4.1	U
5103-74-2	gamma-Chlordane	0.29	JP
5103-71-9	alpha-Chlordane	2.1	U

Data File: /chem/tracegc82.i/i100610a.b/023i1005133-18.d

Date : 11-JUN-2010 03:11

Client ID: SS87-0-1

Sample Info: 1005133-18

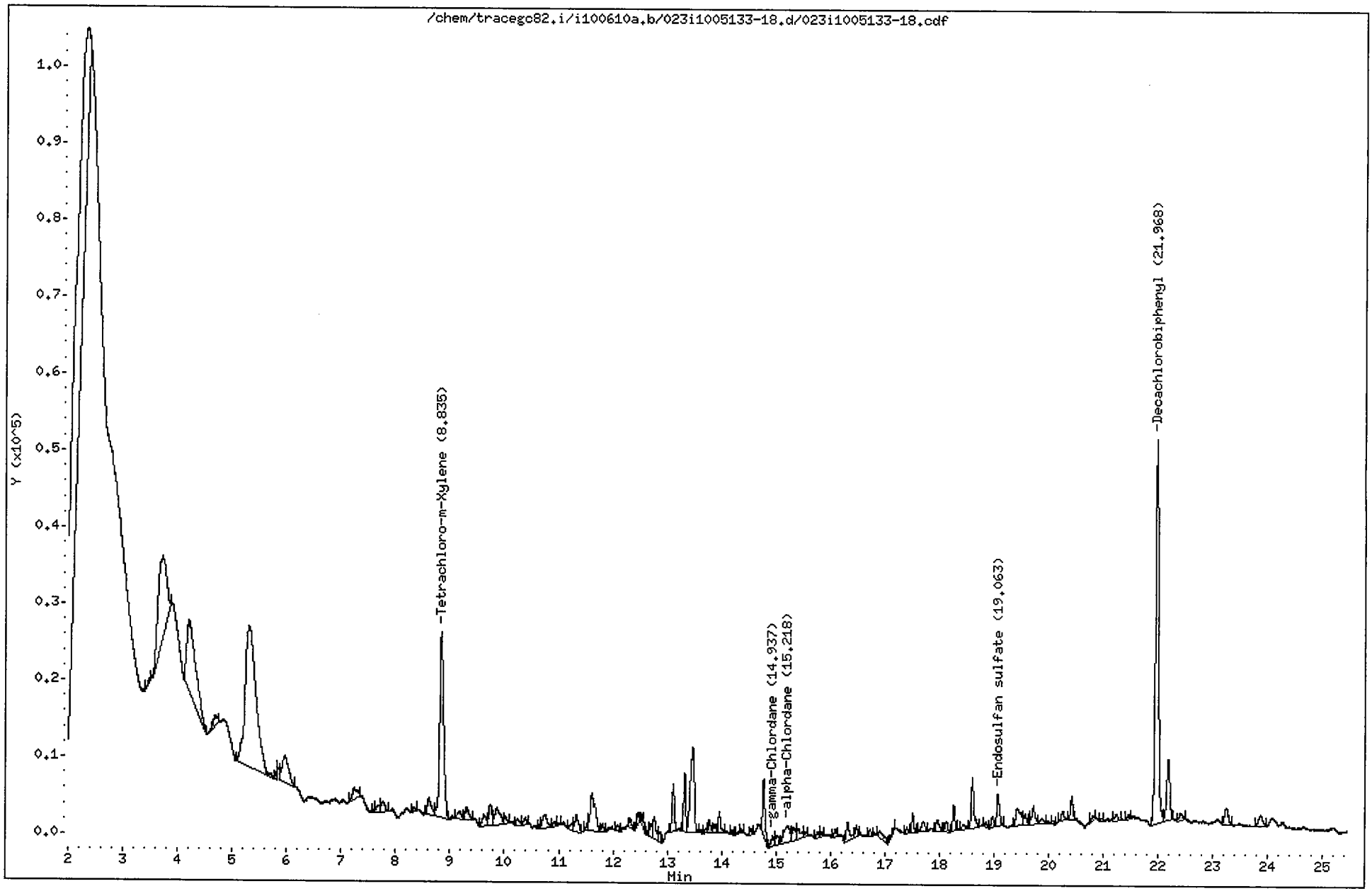
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc82.i

Operator: BWL

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-18 Client Smp Id : SS87-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 03:11 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610a.b/8081A_clpestv6.m
Misc. Info : SS87-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 20(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.13		2094								
1.49		59824								
2.32		319504								
3.48		1302								
3.72		111125								
4.21		110723								
4.68		6893								
5.30		255023								
5.83		2633								
5.96		28563								
7.24		7894								
7.61		1081								
7.67		3574								
7.77		6119								
8.34		1567								
8.61		11623								
8.84	8.77 8.91	122077	2945399	Tetrachloro-m-Xylene	0.041447	8.634725		69.1*	70 - 125	R
9.18		4676								
9.30		6368								
9.62		6943								
9.74		11334								
9.86		14489								
10.01		3612								
10.23		3680								
10.38		3081								
10.65		1342								
10.75		9701								
10.93		1528								
10.98		865								
11.24		3463								
11.32		9804								
11.53		2605								
11.61		31754								
11.80		2872								
12.08		2090								
12.32		3692								
12.46		3715								

KEH 6/11/10

CompuChem

Lab Smp Id : 1005133-18
Client Smp Id : SS87-0-1
Sample Type : SAMPLE
Sublist : DODPEST
Inj Date : 11-JUN-2010 03:11
Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610a.b/8081A_clpestv6.m
Misc. Info : SS87-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0
Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul)
Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g)
M Moisture: 20(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.55		4241								
12.65		1191								
12.70		5263								
12.76		11111								
12.87		4280								
13.11		17757								
13.31		20112								
13.47		57034								
13.61		883								
13.71		1278								
13.77		4846								
13.87		3192								
13.96		8108								
14.18		1384								
14.31		772								
14.36		1158								
14.54		2041								
14.77		22134								
14.94	14.89 15.03	5657	4028032	gamma-Chlordane	0.001404	0.292585	2.125000			J
15.02		5139								
15.22	15.20 15.34	16784	3452365	alpha-Chlordane	0.004861	1.012772	2.125000			J
15.33		6888								
15.41		6920								
15.55		1949								
15.77		2620								
15.84		1815								
16.09		2460								
16.32		10347								
16.48		4162								
16.73		2565								
16.90		6953								
17.09		1292								
17.17		964								
17.40		1845								
17.51		6674								
17.70		5601								
17.96		5975								

CompuChem

Lab Smp Id : 1005133-18
Client Smp Id : SS87-0-1
Sample Type : SAMPLE
Sublist : DODPEST
Inj Date : 11-JUN-2010 03:11
Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610a.b/8081A_clpestv6.m
Misc. Info : SS87-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

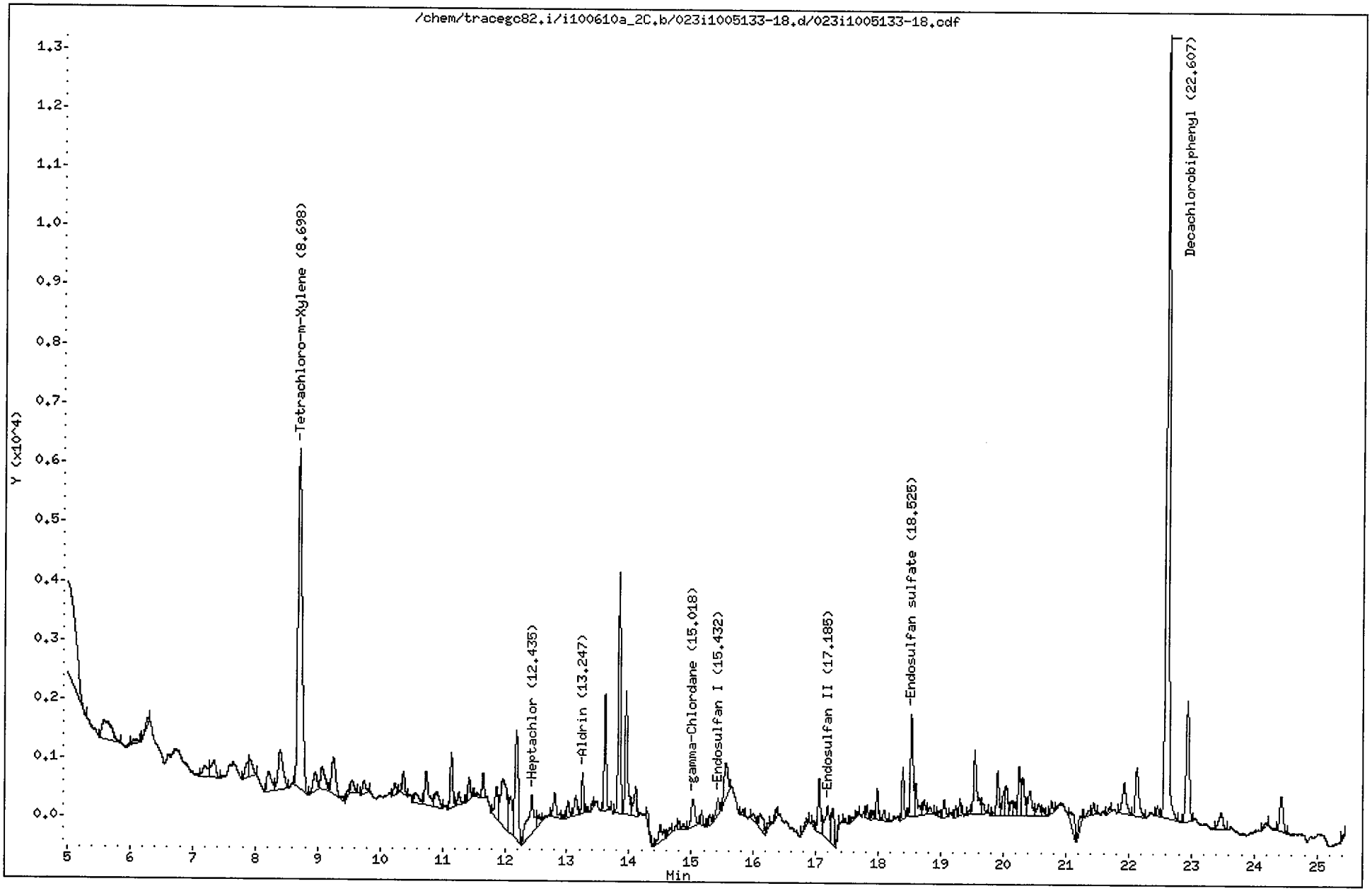
DF Dilution Factor: 1.0
Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul)
Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g)
M Moisture: 20(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
18.12		4081								
18.26		9000								
18.44		3533								
18.60		22339								
18.85		1781								
18.97		3861								
19.06	18.96 19.10	13840	2454690	Endosulfan sulfate	0.005638	1.174537	4.125000			J
19.41		14742								
19.57		4876								
19.66		1354								
19.72		9757								
19.87		2350								
19.99		843								
20.07		1087								
20.26		4135								
20.41		8753								
20.81		2485								
20.97		945								
21.24		3364								
21.46		1615								
21.97	21.90 22.04	199015	2320776	Decachlorobiphenyl	0.085753	17.86525		71.5	55 - 130	
22.18		32747								
22.41		3427								
23.25		9921								
23.87		7976								

Data File: /chem/tracegc82.i/i100610a_2C.b/023i1005133-18.d
Date : 11-JUN-2010 03:11
Client ID: SS87-0-1
Sample Info: 1005133-18
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-18 Client Smp Id : SS87-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 03:11 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610a_2C.b/8081A_clpest2v6.m
Misc. Info : SS87-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 20(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.38			1525								
2.08			1225117								
3.14			68842								
3.51			152827								
4.34			1156								
4.88			50920								
5.58			3345								
6.07			293								
6.29			434								
7.19			1057								
7.33			1723								
7.87			856								
7.92			1304								
8.21			1843								
8.39			3823								
8.70	8.63	8.77	26380	708805	Tetrachloro-m-Xylene	0.037218	7.753658		62.0*	70 - 125	R
8.95			1326								
9.07			1884								
9.25			3125								
9.48			241								
9.55			750								
9.73			859								
10.23			526								
10.37			998								
10.56			945								
10.74			2443								
10.91			1358								
11.14			2607								
11.27			691								
11.43			958								
11.54			252								
11.65			857								
11.87			2103								
11.97			5610								
12.09			2337								
12.19			7190								
12.44	12.38	12.52	4469	997000	Heptachlor	0.004481	0.933634	2.125000			J

CompuChem

Lab Smp Id : 1005133-18 Client Smp Id : SS87-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 03:11 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610a_2C.b/8081A_clpest2v6.m
Misc. Info : SS87-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 20(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.55		535								
12.80		1443								
13.02		760								
13.14		1048								
13.25	13.15 13.29	1492	934385	Aldrin	0.001596	0.332438	2.125000			J
13.32		173								
13.41		251								
13.61		4725								
13.84		10081								
13.95		5978								
14.10		1653								
14.30		606								
14.49		1431								
14.66		323								
14.79		271								
14.87		253								
15.02	14.93 15.07	2127	865155	gamma-Chlordane	0.002457	0.511951	2.125000			J
15.16		562								
15.29		405								
15.43	15.37 15.51	926	789088	Endosulfan I	0.001172	0.244217	2.125000			J
15.55		2574								
15.82		252								
15.99		366								
16.10		1263								
16.23		322								
16.36		330								
16.85		305								
16.96		246								
17.05		2740								
17.18	17.12 17.26	2887	626482	Endosulfan II	0.004608	0.960056	4.125000			J
17.27		2244								
17.36		236								
17.46		218								
17.58		203								
17.67		215								
17.82		518								
17.90		298								

CompuChem

Lab Smp Id : 1005133-18 Client Smp Id : SS87-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 03:11 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610a_2C.b/8081A_clpest2v6.m
Misc. Info : SS87-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 20(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
17.98		1166								
18.09		510								
18.39		1979								
18.52	18.45 18.59	5048	546189	Endosulfan sulfate	0.009242	1.925464	4.125000			J
18.59		1803								
18.73		734								
18.82		323								
18.98		228								
19.05		797								
19.24		358								
19.31		549								
19.46		174								
19.54		3960								
19.67		636								
19.83		164								
19.91		2047								
20.00		1085								
20.05		1554								
20.13		689								
20.18		571								
20.25		2382								
20.31		2164								
20.42		2009								
20.56		863								
20.63		360								
20.77		483								
21.07		1472								
21.23		731								
21.37		346								
21.44		463								
21.69		217								
21.93		2256								
22.13		3160								
22.45		403								
22.61	22.53 22.67	43714	535699	Decachlorobiphenyl	0.081602	17.00037		68.0	55 - 130	
22.94		7032								
23.47		1302								

CompuChem

Lab Smp Id : 1005133-18 Client Smp Id : SS87-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 03:11 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610a_2C.b/8081A_clpest2v6.m
Misc. Info : SS87-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 20(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
24.19		189								
24.43		2237								
25.42		190								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS88-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-14

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 9 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

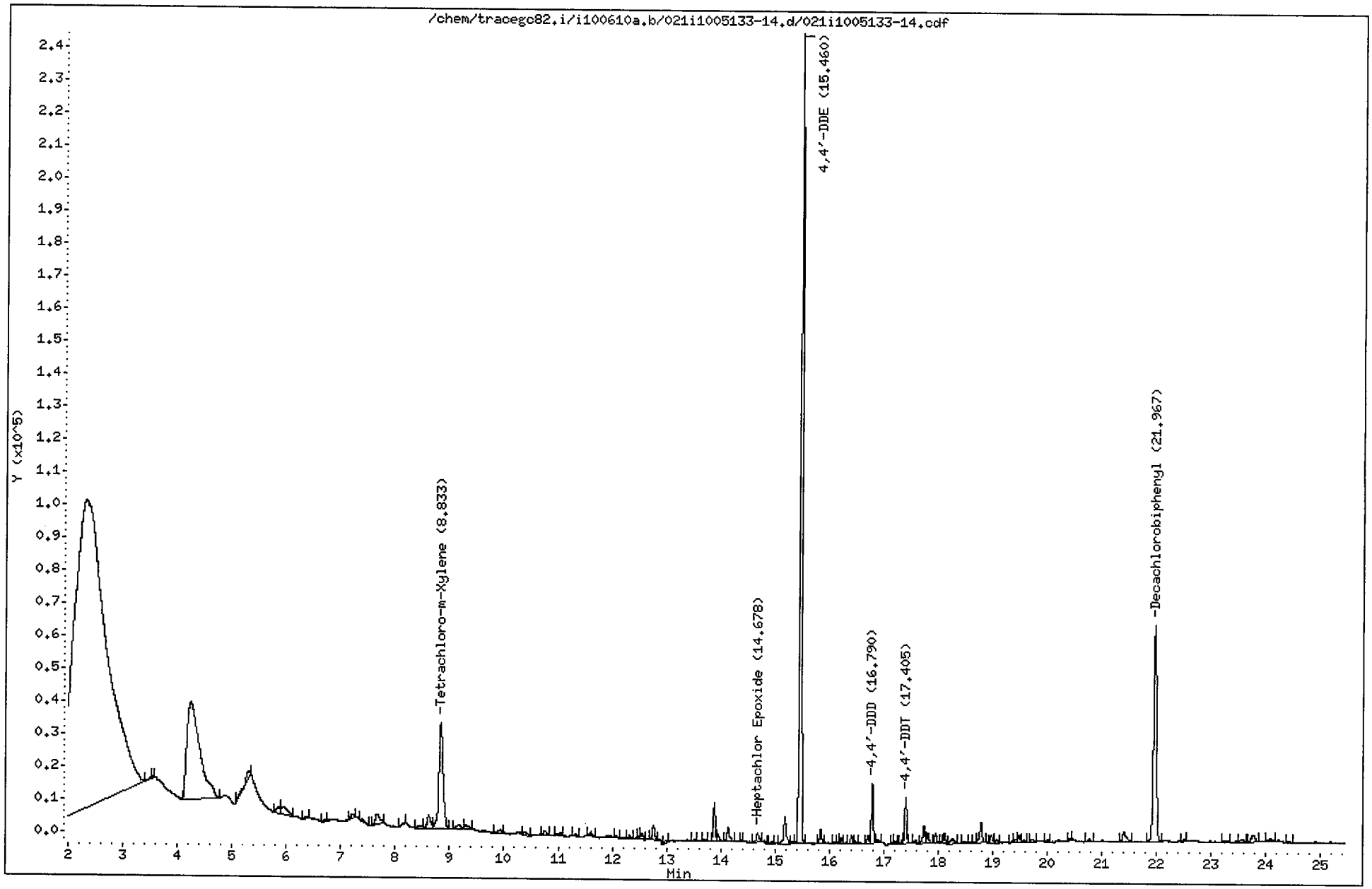
GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.9	U
319-85-7	beta-BHC	1.9	U
319-84-6	alpha-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
72-54-8	4,4'-DDD	3.1	J
72-55-9	4,4'-DDE	31	E
50-29-3	4,4'-DDT	2.1	J
60-57-1	Dieldrin	3.6	U
959-98-8	Endosulfan I	1.9	U
33213-65-9	Endosulfan II	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
72-20-8	Endrin	3.6	U
7421-93-4	Endrin Aldehyde	3.6	U
76-44-8	Heptachlor	1.9	U
1024-57-3	Heptachlor Epoxide	1.9	U
72-43-5	Methoxychlor	19	U
8001-35-2	Toxaphene	91	U
53494-70-5	Endrin Ketone	3.6	U
5103-74-2	gamma-Chlordane	1.9	U
5103-71-9	alpha-Chlordane	1.9	U

Data File: /chem/tracegc82.i/i100610a.b/021i1005133-14.d
Date : 11-JUN-2010 02:13
Client ID: SS88-0-1
Sample Info: 1005133-14
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-14
Client Smp Id : SS88-0-1
Sample Type : SAMPLE
Sublist : DODPEST
Inj Date : 11-JUN-2010 02:13
Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610a.b/8081A_clpestv6.m
Misc. Info : SS88-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0
Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul)
Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g)
M Moisture: 9(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.39			2714								
1.49			61010								
2.32			3984980								
3.50			2039								
3.54			1262								
4.24			489960								
5.29			18679								
5.85			8716								
5.94			20320								
6.37			2128								
6.70			1054								
7.23			5573								
7.38			3436								
7.66			17468								
8.18			1166								
8.45			4377								
8.61			18742								
8.83	8.77	8.91	173261	2945399	Tetrachloro-m-Xylene	0.058824	10.77362		98.0	70 - 125	
9.18			8145								
9.30			7385								
9.93			5273								
10.38			4538								
10.76			4923								
11.00			2222								
11.32			3142								
11.60			4303								
12.08			1850								
12.31			2839								
12.45			1413								
12.52			2673								
12.55			5857								
12.76			14365								
12.98			2063								
13.52			920								
13.72			1740								
13.88			30579								
13.95			5775								

6/11/10

CompuChem

Lab Smp Id : 1005133-14 Client Smp Id : SS88-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 02:13 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610a.b/8081A_clpestv6.m
Misc. Info : SS88-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 9(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
14.14		14719								
14.38		1128								
14.68	14.60 14.74	10744	4017505	Heptachlor Epoxide	0.002674	0.489798	1.868132			J
14.80		2246								
14.94		2287								
15.18		27908								
15.46	15.39 15.53	629989	3488364	4,4'-DDE	0.180597	33.07642	3.626374			E
15.84		9391								
16.09		1709								
16.17		1708								
16.22		4875								
16.41		6276								
16.48		1535								
16.71		5835								
16.79	16.72 16.86	43272	2594562	4,4'-DDD	0.016678	3.054571	3.626374			J
16.89		3415								
17.16		909								
17.21		2219								
17.34		2168								
17.40	17.34 17.48	33975	2895586	4,4'-DDT	0.011733	2.148970	3.626374			J
17.58		3253								
17.74		15223								
17.82		7357								
17.95		7643								
18.05		816								
18.12		7526								
18.28		6324								
18.49		1019								
18.66		1120								
18.78		19098								
18.98		6841								
19.07		2719								
19.34		1337								
19.42		3356								
19.49		6964								
19.57		3043								
19.73		3819								

CompuChem

Lab Smp Id : 1005133-14 Client Smp Id : SS88-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 02:13 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610a.b/8081A_clpestv6.m
Misc. Info : SS88-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 9(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
20.01		1963								
20.43		1165								
20.77		2647								
21.41		13798								
21.97	21.90 22.04	245359	2320776	Decachlorobiphenyl	0.105722	19.36307		88.1	55 - 130	
22.51		1235								
23.27		2584								
23.56		4500								
23.76		9574								
24.09		3702								
24.42		1653								

Data File: /chem/tracegc82.i/i100610a_2C.b/021i1005133-14.d

Page 1

Date : 11-JUN-2010 02:13

Client ID: SS88-0-1

Instrument: tracegc82.i

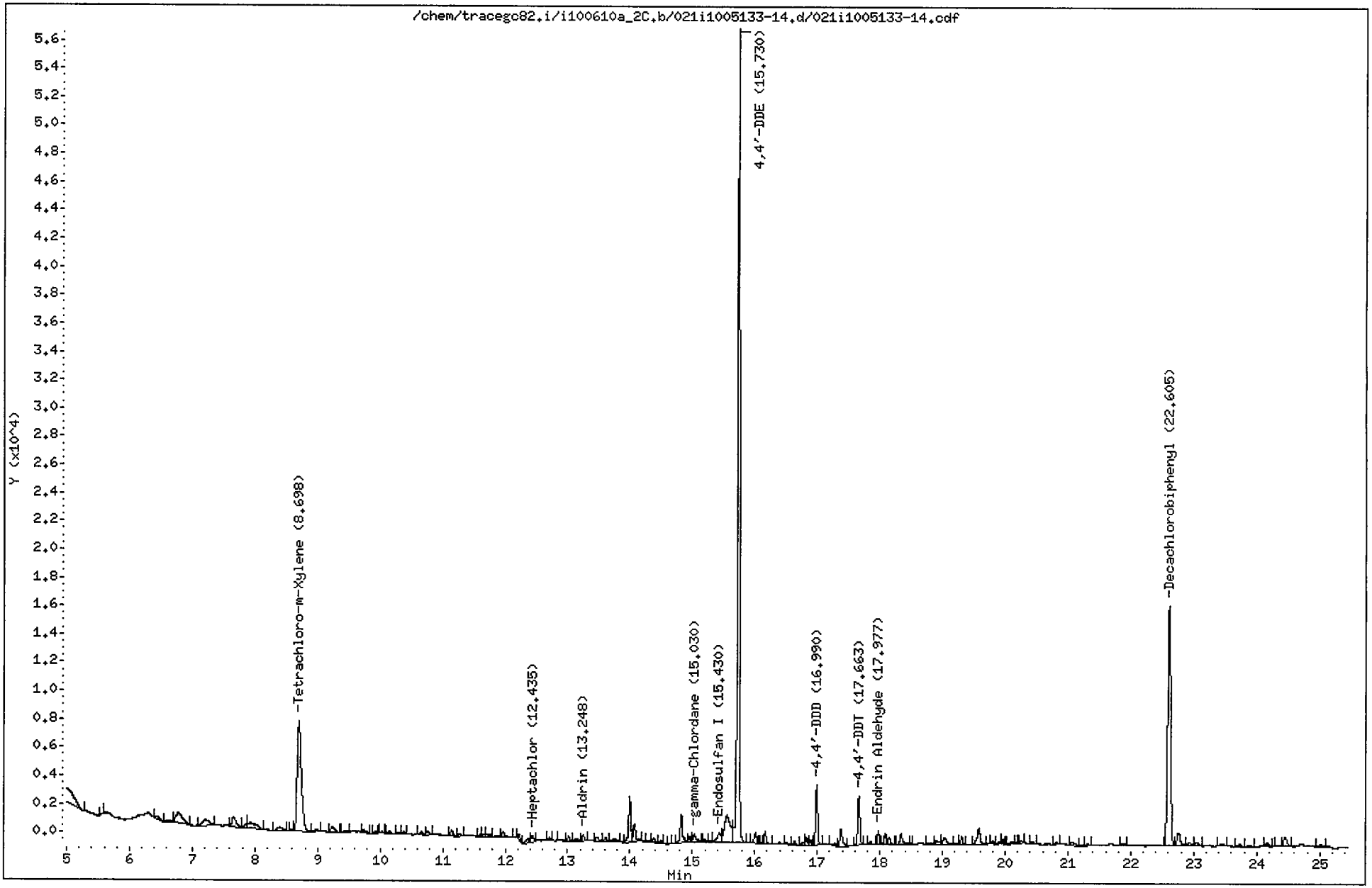
Sample Info: 1005133-14

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-14 Client Smp Id : SS88-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 02:13 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610a_2C.b/8081A_clpest2v6.m
Misc. Info : SS88-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 9(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.37			845								
2.12			1210137								
3.18			35692								
3.54			135630								
4.33			1404								
4.67			649								
4.88			26717								
5.59			170								
6.42			900								
6.59			558								
6.78			5531								
7.21			2626								
7.66			3060								
7.87			743								
7.93			3528								
8.39			1378								
8.60			262								
8.70	8.63	8.77	36543	708805	Tetrachloro-m-Xylene	0.051554	9.442190		85.9	70 - 125	
8.98			662								
9.23			1667								
9.45			482								
9.74			833								
9.93			257								
10.03			228								
10.15			516								
10.38			399								
10.65			619								
10.76			720								
11.14			1076								
11.27			368								
11.60			306								
11.65			471								
11.72			798								
11.85			423								
11.96			1509								
12.22			972								
12.37			955								

CompuChem

Lab Smp Id : 1005133-14 Client Smp Id : SS88-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 02:13 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610a_2C.b/8081A_clpest2v6.m
Misc. Info : SS88-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 9(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.44	12.38 12.52	1048	997000	Heptachlor	0.001050	0.192335	1.868132			J
12.71		394								
12.88		212								
13.01		804								
13.14		437								
13.25	13.15 13.29	1026	934385	Aldrin	0.001098	0.201108	1.868132			J
13.47		920								
13.61		618								
13.76		827								
14.00		8186								
14.07		3402								
14.29		227								
14.39		692								
14.50		409								
14.65		182								
14.82		5389								
14.95		904								
15.03	14.93 15.07	1995	865155	gamma-Chlordane	0.002305	0.422123	1.868132			J
15.21		466								
15.30		259								
15.43	15.37 15.51	2957	789088	Endosulfan I	0.003746	0.686099	1.868132			J
15.55		13311								
15.73	15.66 15.80	126774	742671	4,4'-DDE	0.170700	31.26374	3.626374			E
16.01		2178								
16.09		254								
16.17		2033								
16.51		357								
16.64		743								
16.77		625								
16.83		1262								
16.89		822								
16.99	16.92 17.06	9556	531489	4,4'-DDD	0.017980	3.292982	3.626374			J
17.22		886								
17.38		3816								
17.66	17.59 17.73	8257	587788	4,4'-DDT	0.014046	2.572508	3.626374			J
17.86		510								
17.98	17.85 17.99	2170	494934	Endrin Aldehyde	0.004382	0.802638	3.626374			J

CompuChem

Lab Smp Id : 1005133-14 Client Smp Id : SS88-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 02:13 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610a_2C.b/8081A_clpest2v6.m
Misc. Info : SS88-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 9(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
18.08		1771								
18.15		1418								
18.34		2481								
18.49		168								
18.80		482								
18.90		1223								
19.03		2288								
19.23		539								
19.31		1425								
19.58		3670								
19.81		563								
19.90		330								
19.96		780								
20.09		321								
20.17		267								
20.25		406								
20.43		318								
20.82		373								
21.07		1209								
21.23		258								
21.31		395								
21.89		391								
22.60	22.53 22.67	54545	535699	Decachlorobiphenyl	0.101820	18.64839		84.9	55 - 130	
22.76		3330								
22.93		927								
23.05		886								
23.45		713								
23.73		571								
23.89		478								
24.18		787								
24.36		274								
24.45		2650								
25.02		521								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS88-0-1DL

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 1005133-14RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 9 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 10.0

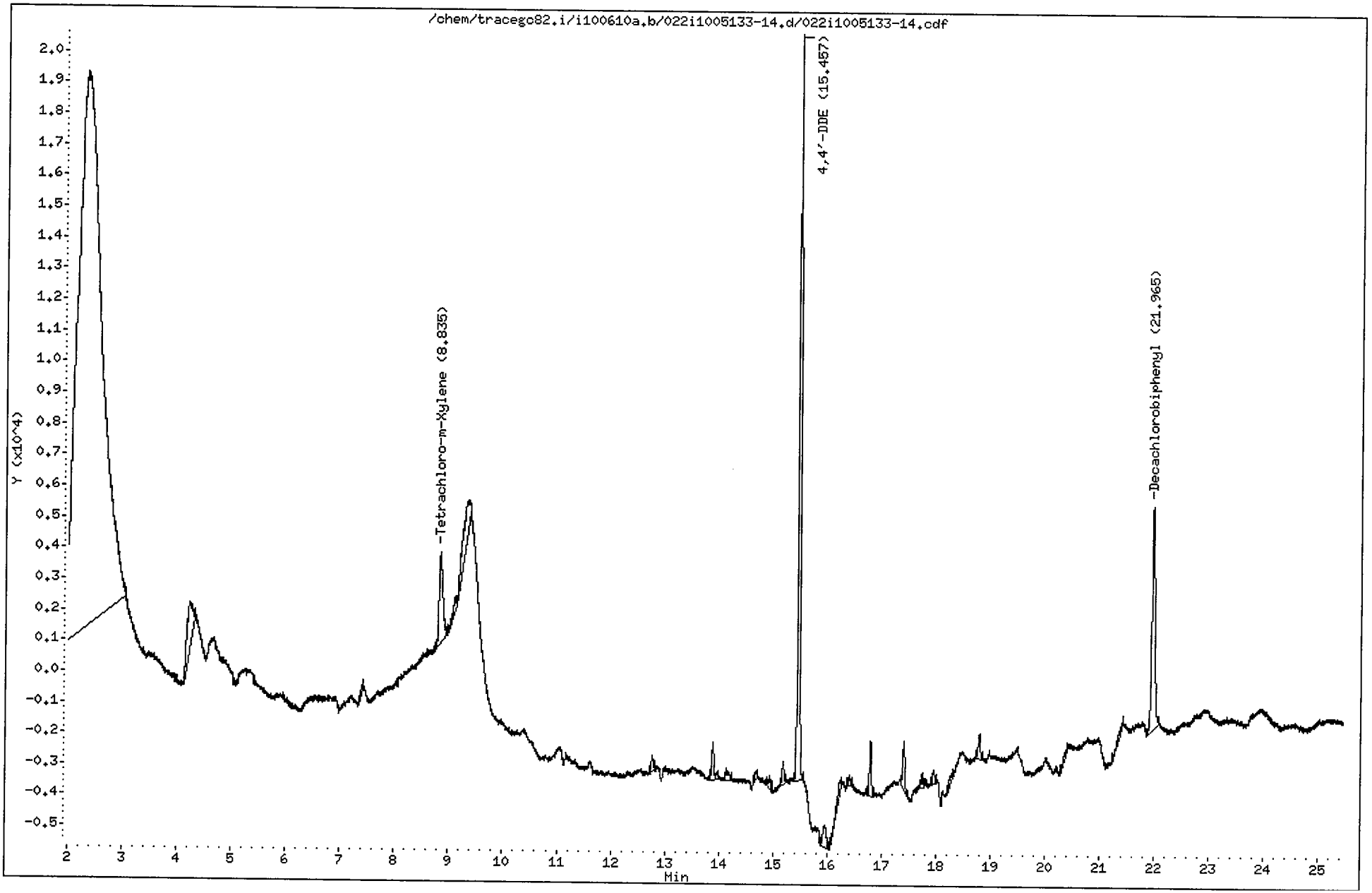
GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	19	U
319-85-7	beta-BHC	19	U
319-84-6	alpha-BHC	19	U
319-86-8	delta-BHC	19	U
58-89-9	gamma-BHC (Lindane)	19	U
72-54-8	4,4'-DDD	36	U
72-55-9	4,4'-DDE	31	DJP
50-29-3	4,4'-DDT	36	U
60-57-1	Dieldrin	36	U
959-98-8	Endosulfan I	19	U
33213-65-9	Endosulfan II	36	U
1031-07-8	Endosulfan sulfate	36	U
72-20-8	Endrin	36	U
7421-93-4	Endrin Aldehyde	36	U
76-44-8	Heptachlor	19	U
1024-57-3	Heptachlor Epoxide	19	U
72-43-5	Methoxychlor	190	U
8001-35-2	Toxaphene	910	U
53494-70-5	Endrin Ketone	36	U
5103-74-2	gamma-Chlordane	19	U
5103-71-9	alpha-Chlordane	19	U

Data File: /chem/tracegc82.i/i100610a.b/022i1005133-14.d
Date : 11-JUN-2010 02:42
Client ID: SS88-0-1DL
Sample Info: 1005133-14RE1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-14RE1 Client Smp Id : SS88-0-1DL
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 02:42 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610a.b/8081A_clpestv6.m
Misc. Info : SS88-0-1DL

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 10.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 9(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.33			1167								
1.39			3711								
1.46			24165								
2.30			545372								
4.23			11060								
7.40			866								
8.84	8.77	8.91	13926	2945399	Tetrachloro-m-Xylene	0.004728	8.658815		78.8	70 - 125	
9.10			2008								
9.33			11828								
12.76			1308								
13.88			3591								
14.14			1335								
14.68			774								
14.93			946								
15.19			1635								
15.46	15.39	15.53	58631	3488364	4,4'-DDE	0.016808	30.78314	36.26374			J
15.96			3327								
16.24			2390								
16.41			860								
16.79			4411								
17.40			4143								
17.75			1163								
17.95			1117								
18.28			1159								
18.79			2259								
20.38			905								
21.39			1613								
21.96	21.90	22.04	27955	2320776	Decachlorobiphenyl	0.012046	22.06143		100.4	55 - 130	

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Data File: /chem/tracegc82.i/i100610a_2C.b/022i1005133-14.d

Date : 11-JUN-2010 02:42

Client ID: SS88-0-1DL

Instrument: tracegc82.i

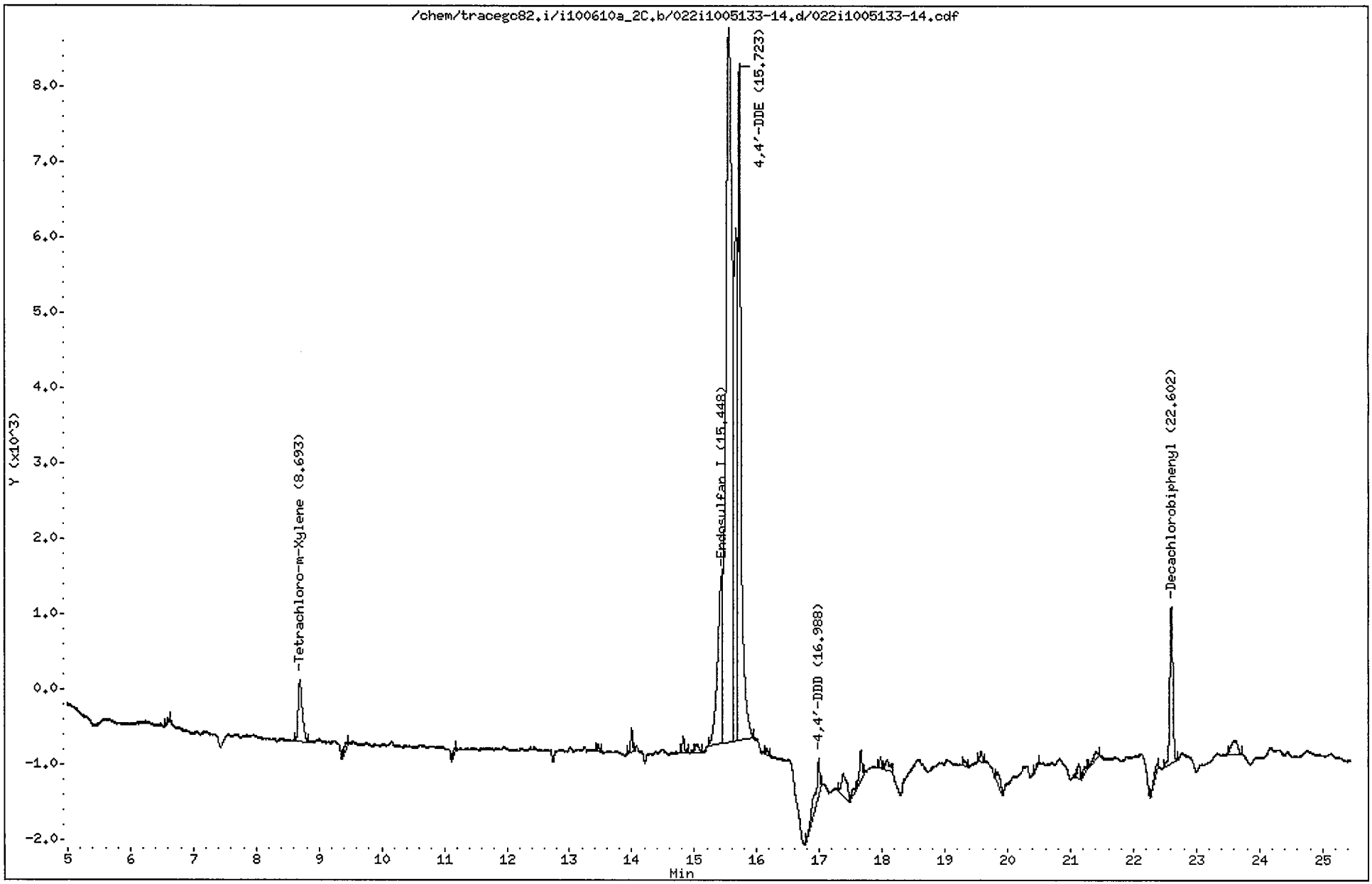
Sample Info: 1005133-14RE1

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005133-14RE1 Client Smp Id : SS88-0-1DL
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 02:42 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610a_2C.b/8081A_clpest2v6.m
Misc. Info : SS88-0-1DL

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 10.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 9(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.38		1488								
1.50		4703								
1.75		449								
2.07		119084								
3.53		750								
6.60		160								
8.69	8.63 8.77	3844	708805	Tetrachloro-m-Xylene	0.005423	9.932620		90.4	70 - 125	
9.43		233								
11.16		175								
13.46		209								
14.00		777								
14.82		539								
15.03		436								
15.45	15.37 15.51	11717	789088	Endosulfan I	0.014848	27.19328	18.68132			
15.56		65416								
15.67		26694								
15.72	15.66 15.80	32322	742671	4,4'-DDE	0.043520	79.70683	36.26374			
16.16		185								
16.99	16.92 17.06	2474	531489	4,4'-DDD	0.004653	8.521919	36.26374			J
17.38		1756								
17.56		339								
17.66		1154								
17.98		320								
18.08		711								
19.31		272								
19.57		349								
19.84		739								
20.48		172								
21.14		496								
21.23		356								
21.41		648								
22.38		567								
22.60	22.53 22.67	6968	535699	Decachlorobiphenyl	0.013007	23.82289		108.4	55 - 130	
23.61		1272								

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3. Standards Data

a. Initial Calibration Data (Form VI)

b. Continuing Verification Summary (Form VII)

c. Analytical Sequence (Form VIII)

d. Identification Summary for Single Component Analytes (Form X)

e. Identification Summary for Multicomponent Analytes (Form X) – if applicable

f. Chromatograms and Data System Printouts

a. Initial Calibration Data
(Form VI)

For all GC columns, all instruments, in chronological order by GC column and instrument.

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date(s): 06/01/10 06/01/10

Column: CLPEST ID: 0.32 (mm) Calibration Time(s): 1716 2011

LAB FILE ID: RF0.0025: 004F0F01RF0.005: 005F0F010RF0.01: 010F0F0101
RF0.02: 007F0F0101RF0.04: 008F0F0101

COMPOUND	RF0.0025	RF0.005	RF0.01	RF0.02	RF0.04
Aldrin	2481400.0	2452300.0	2291300.0	2340025.0	2394575.0
beta-BHC	1143000.0	1046700.0	984700.00	992475.00	1008875.0
alpha-BHC	3030200.0	3033400.0	2886900.0	3026575.0	3166862.5
delta-BHC	2695200.0	2732500.0	2611850.0	2709425.0	2856287.5
gamma-BHC (Lindane)	2816200.0	2819400.0	2691650.0	2817825.0	2941250.0
4,4'-DDD	1553600.0	1595300.0	1490950.0	1480937.5	1551412.5
4,4'-DDE	2052700.0	2073000.0	1905225.0	1944512.5	2089043.8
4,4'-DDT	1744600.0	1782800.0	1668975.0	1664812.5	1751256.2
Dieldrin	2090800.0	2110200.0	1977400.0	1968412.5	2039212.5
Endosulfan I	2170000.0	2213100.0	1966450.0	1950600.0	2039700.0
Endosulfan II	1790500.0	1860900.0	1746000.0	1673775.0	1728025.0
Endosulfan sulfate	1617800.0	1694100.0	1564875.0	1480600.0	1513593.8
Endrin	1751800.0	1775000.0	1672025.0	1616175.0	1663987.5
Endrin Aldehyde	1390800.0	1464450.0	1390600.0	1295500.0	1317875.0
Heptachlor	2719400.0	2647900.0	2453800.0	2532775.0	2595562.5
Heptachlor Epoxide	2363600.0	2327400.0	2157400.0	2147425.0	2181475.0
Methoxychlor	742080.00	792240.00	728975.00	690335.00	703603.75
Toxaphene			74774.000		
(2)			48813.000		
(3)			46604.000		
(4)			57064.000		
(5)			90184.000		
Endrin Ketone	1882300.0	1998900.0	1850625.0	1738850.0	1778131.2
gamma-Chlordane	2391400.0	2345800.0	2145950.0	2153625.0	2192062.5
alpha-Chlordane	2033400.0	1995700.0	1859250.0	1854000.0	1878387.5
Decachlorobiphenyl	1753300.0	1839650.0	1644075.0	1452837.5	1420825.0
Tetrachloro-m-Xylene	1656600.0	1598500.0	1525050.0	1569125.0	1589212.5

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date(s): 06/01/10 06/01/10

Column: CLPEST ID: 0.32 (mm) Calibration Time(s): 1716 2011

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Aldrin	AVRG	2391920.00	3.3
beta-BHC	AVRG	1035150.00	6.3
alpha-BHC	AVRG	3028787.50	3.3
delta-BHC	AVRG	2721052.50	3.2
gamma-BHC (Lindane)	AVRG	2817265.00	3.1
4,4'-DDD	AVRG	1534440.00	3.1
4,4'-DDE	AVRG	2012896.25	4.1
4,4'-DDT	AVRG	1722488.75	3.1
Dieldrin	AVRG	2037205.00	3.2
Endosulfan I	AVRG	2067970.00	5.7
Endosulfan II	AVRG	1759840.00	4.0
Endosulfan sulfate	AVRG	1574193.75	5.4
Endrin	AVRG	1695797.50	3.9
Endrin Aldehyde	AVRG	1371845.00	4.9
Heptachlor	AVRG	2589887.50	4.0
Heptachlor Epoxide	AVRG	2235460.00	4.6
Methoxychlor	AVRG	731446.750	5.4
Toxaphene	AVRG	74774.0000	0.0
(2)	AVRG	48813.0000	0.0
(3)	AVRG	46604.0000	0.0
(4)	AVRG	57064.0000	0.0
(5)	AVRG	90184.0000	0.0
Endrin Ketone	AVRG	1849761.25	5.4
gamma-Chlordane	AVRG	2245767.50	5.1
alpha-Chlordane	AVRG	1924147.50	4.4
Decachlorobiphenyl	AVRG	1622138.38	11.3
Tetrachloro-m-Xylene	AVRG	1587699.50	3.0

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date(s): 06/01/10 06/01/10

Column: CLPEST2 ID: 0.32 (mm) Calibration Time(s): 1716 2011

LAB FILE ID: RF0.0025: 004F0F01RF0.005: 005F0F010RF0.01: 010F0F0101
RF0.02: 007F0F0101RF0.04: 008F0F0101

COMPOUND	RF0.0025	RF0.005	RF0.01	RF0.02	RF0.04
Aldrin	796200.00	765400.00	694850.00	690025.00	686662.50
beta-BHC	367800.00	365900.00	337350.00	334625.00	331462.50
alpha-BHC	944200.00	933000.00	870800.00	901025.00	933237.50
delta-BHC	875600.00	835500.00	784450.00	803675.00	838750.00
gamma-BHC (Lindane)	899200.00	878200.00	825300.00	852175.00	879537.50
4,4'-DDD	478200.00	482500.00	442925.00	430575.00	436912.50
4,4'-DDE	670700.00	645750.00	587900.00	585500.00	596775.00
4,4'-DDT	532700.00	537350.00	490275.00	474987.50	483512.50
Dieldrin	648500.00	637750.00	580275.00	561200.00	564243.75
Endosulfan I	718000.00	686700.00	619550.00	592625.00	576750.00
Endosulfan II	567700.00	571150.00	522875.00	487712.50	484343.75
Endosulfan sulfate	518600.00	532400.00	477925.00	438187.50	431006.25
Endrin	577600.00	571600.00	515625.00	482487.50	476612.50
Endrin Aldehyde	460900.00	470250.00	432675.00	386400.00	378543.75
Heptachlor	846363.64	820800.00	745450.00	740675.00	737737.50
Heptachlor Epoxide	751000.00	729800.00	662050.00	643250.00	629475.00
Methoxychlor	228160.00	231360.00	206965.00	188595.00	186875.00
Toxaphene			24097.000		
(2)			29381.500		
(3)			12950.000		
(4)			11076.500		
(5)			23619.500		
Endrin Ketone	562500.00	592750.00	538525.00	495137.50	490162.50
gamma-Chlordane	759400.00	740100.00	665950.00	646075.00	639500.00
alpha-Chlordane	661800.00	637800.00	574850.00	557175.00	545650.00
Decachlorobiphenyl	551500.00	577450.00	509350.00	436787.50	411181.25
Tetrachloro-m-Xylene	585400.00	571700.00	525450.00	532200.00	529625.00

FORM VI PEST

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date(s): 06/01/10 06/01/10

Column: CLPEST2 ID: 0.32 (mm) Calibration Time(s): 1716 2011

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Aldrin	AVRG	726627.500	7.0
beta-BHC	AVRG	347427.500	5.1
alpha-BHC	AVRG	916452.500	3.3
delta-BHC	AVRG	827595.000	4.2
gamma-BHC (Lindane)	AVRG	866882.500	3.3
4,4'-DDD	AVRG	454222.500	5.3
4,4'-DDE	AVRG	617325.000	6.2
4,4'-DDT	AVRG	503765.000	5.8
Dieldrin	AVRG	598393.750	7.0
Endosulfan I	AVRG	638725.000	9.6
Endosulfan II	AVRG	526756.250	7.9
Endosulfan sulfate	AVRG	479623.750	9.5
Endrin	AVRG	524785.000	9.1
Endrin Aldehyde	AVRG	425753.750	9.8
Heptachlor	AVRG	778205.227	6.6
Heptachlor Epoxide	AVRG	683115.000	7.9
Methoxychlor	AVRG	208391.000	10.1
Toxaphene	AVRG	24097.0000	0.0
(2)	AVRG	29381.5000	0.0
(3)	AVRG	12950.0000	0.0
(4)	AVRG	11076.5000	0.0
(5)	AVRG	23619.5000	0.0
Endrin Ketone	AVRG	535815.000	8.2
gamma-Chlordane	AVRG	690205.000	8.1
alpha-Chlordane	AVRG	595455.000	8.6
Decachlorobiphenyl	AVRG	497254.500	14.4
Tetrachloro-m-Xylene	AVRG	548876.000	5.0

FORM VI PEST

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date(s): 06/08/10 06/08/10

Column: CLPEST ID: 0.32 (mm) Calibration Time(s): 1531 1826

LAB FILE ID: RF0.0025: 004H0F08RF0.005: 005H0F080RF0.01: 009H0F0801
RF0.02: 007H0F0801RF0.04: 008H0F0801

COMPOUND	RF0.0025	RF0.005	RF0.01	RF0.02	RF0.04
Aldrin	3530000.0	3380800.0	3264550.0	3251575.0	3278500.0
beta-BHC	1650600.0	1474900.0	1402500.0	1398325.0	1369387.5
alpha-BHC	4417200.0	4354800.0	4313150.0	4435175.0	4508625.0
delta-BHC	3708800.0	3642100.0	3626500.0	3739850.0	3861050.0
gamma-BHC (Lindane)	4076400.0	3982800.0	3944500.0	4013425.0	4131962.5
4,4'-DDD	1966700.0	1875900.0	1825050.0	1853900.0	1902962.5
4,4'-DDE	2669500.0	2611350.0	2516500.0	2560312.5	2674300.0
4,4'-DDT	2165200.0	2046850.0	1996100.0	2014975.0	2085550.0
Dieldrin	2762400.0	2682450.0	2564350.0	2574375.0	2623712.5
Endosulfan I	2939200.0	2824600.0	2735850.0	2630200.0	2598825.0
Endosulfan II	2271500.0	2117250.0	2078850.0	2072812.5	2105131.2
Endosulfan sulfate	1941200.0	1837550.0	1746650.0	1729262.5	1755412.5
Endrin	2310700.0	2230450.0	2087325.0	2042875.0	2041268.8
Endrin Aldehyde	1667200.0	1595250.0	1593150.0	1541150.0	1559043.8
Heptachlor	3937000.0	3709800.0	3588550.0	3594350.0	3592737.5
Heptachlor Epoxide	3243200.0	3071800.0	2942350.0	2907400.0	2887875.0
Methoxychlor	895280.00	835500.00	799085.00	812230.00	820726.25
Toxaphene			31072.000		
(2)			55960.000		
(3)			53309.000		
(4)			77560.500		
(5)			47808.500		
Endrin Ketone	2186900.0	2077450.0	1998825.0	2002125.0	2038156.2
gamma-Chlordane	3207800.0	3169500.0	2909100.0	2869100.0	2872612.5
alpha-Chlordane	2693000.0	2606300.0	2492050.0	2463450.0	2440387.5
Decachlorobiphenyl	1866600.0	1725100.0	1606400.0	1560062.5	1526925.0
Tetrachloro-m-Xylene	2464000.0	2300000.0	2251650.0	2267825.0	2225862.5

FORM VI PEST

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date(s): 06/08/10 06/08/10

Column: CLPEST ID: 0.32 (mm) Calibration Time(s): 1531 1826

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Aldrin	AVRG	3341085.00	3.5
beta-BHC	AVRG	1459142.50	7.8
alpha-BHC	AVRG	4405790.00	1.7
delta-BHC	AVRG	3715660.00	2.5
gamma-BHC (Lindane)	AVRG	4029817.50	1.8
4,4'-DDD	AVRG	1884902.50	2.9
4,4'-DDE	AVRG	2606392.50	2.6
4,4'-DDT	AVRG	2061735.00	3.2
Dieldrin	AVRG	2641457.50	3.1
Endosulfan I	AVRG	2745735.00	5.1
Endosulfan II	AVRG	2129108.75	3.8
Endosulfan sulfate	AVRG	1802015.00	4.9
Endrin	AVRG	2142523.75	5.7
Endrin Aldehyde	AVRG	1591158.75	3.0
Heptachlor	AVRG	3684487.50	4.1
Heptachlor Epoxide	AVRG	3010525.00	4.9
Methoxychlor	AVRG	832564.250	4.5
Toxaphene	AVRG	31072.1500	0.0
(2)	AVRG	55960.4250	0.0
(3)	AVRG	53309.4750	0.0
(4)	AVRG	77560.8500	0.0
(5)	AVRG	47808.7500	0.0
Endrin Ketone	AVRG	2060691.25	3.8
gamma-Chlordane	AVRG	3005622.50	5.6
alpha-Chlordane	AVRG	2539037.50	4.2
Decachlorobiphenyl	AVRG	1657018.69	8.4
Tetrachloro-m-Xylene	AVRG	2301868.25	4.1

FORM VI PEST

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date(s): 06/08/10 06/08/10

Column: CLPEST2 ID: 0.32 (mm) Calibration Time(s): 1531 1826

LAB FILE ID: RF0.0025: 004H0F08RF0.005: 005H0F080RF0.01: 010H0F0801
RF0.02: 007H0F0801RF0.04: 008H0F0801

COMPOUND	RF0.0025	RF0.005	RF0.01	RF0.02	RF0.04
Aldrin	879000.00	827600.00	788350.00	763950.00	745787.50
beta-BHC	419400.00	396800.00	380750.00	374375.00	363150.00
alpha-BHC	1081600.0	1048100.0	1022750.0	1037650.0	1048312.5
delta-BHC	959400.00	887400.00	876500.00	900975.00	903525.00
gamma-BHC (Lindane)	1015200.0	978400.00	957900.00	973200.00	974312.50
4,4'-DDD	471200.00	446450.00	428275.00	426600.00	424837.50
4,4'-DDE	687000.00	645900.00	611275.00	600700.00	599612.50
4,4'-DDT	507500.00	485550.00	462075.00	462400.00	459531.25
Dieldrin	689500.00	644700.00	605425.00	587087.50	577456.25
Endosulfan I	747000.00	700300.00	666750.00	628650.00	614475.00
Endosulfan II	571300.00	529700.00	504175.00	489212.50	475306.25
Endosulfan sulfate	500200.00	468700.00	439250.00	424575.00	410825.00
Endrin	597400.00	557400.00	511925.00	485950.00	468793.75
Endrin Aldehyde	458300.00	419350.00	402250.00	377737.50	364250.00
Heptachlor	937636.36	900500.00	860400.00	847050.00	804012.50
Heptachlor Epoxide	808800.00	767700.00	722100.00	696625.00	667375.00
Methoxychlor	213440.00	197490.00	183865.00	177700.00	171247.50
Toxaphene			20269.000		
(2)			22728.000		
(3)			27363.000		
(4)			29482.000		
(5)			10994.000		
Endrin Ketone	526700.00	499000.00	477850.00	468412.50	457393.75
gamma-Chlordane	815000.00	764800.00	716150.00	696025.00	671950.00
alpha-Chlordane	695200.00	652200.00	613700.00	588775.00	578575.00
Decachlorobiphenyl	488000.00	448200.00	417850.00	393875.00	368818.75
Tetrachloro-m-Xylene	669600.00	639700.00	630200.00	620400.00	603650.00

FORM VI PEST

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date(s): 06/08/10 06/08/10

Column: CLPEST2 ID: 0.32 (mm) Calibration Time(s): 1531 1826

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Aldrin	AVRG	800937.500	6.6
beta-BHC	AVRG	386895.000	5.6
alpha-BHC	AVRG	1047682.50	2.1
delta-BHC	AVRG	905560.000	3.5
gamma-BHC (Lindane)	AVRG	979802.500	2.2
4,4'-DDD	AVRG	439472.500	4.5
4,4'-DDE	AVRG	628897.500	6.0
4,4'-DDT	AVRG	475411.250	4.4
Dieldrin	AVRG	620833.750	7.4
Endosulfan I	AVRG	671435.000	8.0
Endosulfan II	AVRG	513938.750	7.4
Endosulfan sulfate	AVRG	448710.000	8.0
Endrin	AVRG	524293.750	10.1
Endrin Aldehyde	AVRG	404377.500	9.1
Heptachlor	AVRG	869919.773	5.9
Heptachlor Epoxide	AVRG	732520.000	7.7
Methoxychlor	AVRG	188748.500	8.9
Toxaphene	AVRG	20269.0000	0.0
(2)	AVRG	22728.0000	0.0
(3)	AVRG	27363.0000	0.0
(4)	AVRG	29482.0000	0.0
(5)	AVRG	10994.0000	0.0
Endrin Ketone	AVRG	485871.250	5.6
gamma-Chlordane	AVRG	732785.000	7.8
alpha-Chlordane	AVRG	625690.000	7.7
Decachlorobiphenyl	AVRG	423348.750	11.0
Tetrachloro-m-Xylene	AVRG	632710.000	3.9

FORM VI PEST

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date(s): 06/10/10 06/10/10

Column: CLPEST ID: 0.32 (mm) Calibration Time(s): 1758 2053

LAB FILE ID: RF0.0025: 004I0F10RF0.005: 005I0F100RF0.01: 010I0F1001
RF0.02: 007I0F1001RF0.04: 008I0F1001

COMPOUND	RF0.0025	RF0.005	RF0.01	RF0.02	RF0.04
Aldrin	4767200.0	4637800.0	4273100.0	4253475.0	4472075.0
beta-BHC	2162400.0	1913900.0	1767300.0	1757700.0	1790762.5
alpha-BHC	5807200.0	5791000.0	5454450.0	5553800.0	5943287.5
delta-BHC	5065600.0	5033800.0	4759400.0	4852725.0	5206362.5
gamma-BHC (Lindane)	5351600.0	5328300.0	4997350.0	5095275.0	5470100.0
4,4'-DDD	2707500.0	2643250.0	2457875.0	2502700.0	2661487.5
4,4'-DDE	3618400.0	3501300.0	3288900.0	3344962.5	3688256.2
4,4'-DDT	3069000.0	2920300.0	2735375.0	2767975.0	2985281.2
Dieldrin	3832500.0	3686100.0	3461700.0	3486250.0	3646406.2
Endosulfan I	3872600.0	3701200.0	3429550.0	3376325.0	3526862.5
Endosulfan II	3145800.0	2967000.0	2840450.0	2829512.5	2968625.0
Endosulfan sulfate	2623500.0	2519550.0	2352150.0	2328987.5	2449262.5
Endrin	3207000.0	2964550.0	2668425.0	2621837.5	2782437.5
Endrin Aldehyde	2367400.0	2272900.0	2215750.0	2136625.0	2231668.8
Heptachlor	5147200.0	4996200.0	4618700.0	4614525.0	4844737.5
Heptachlor Epoxide	4335000.0	4173900.0	3852850.0	3796700.0	3929075.0
Methoxychlor	1249400.0	1177050.0	1107440.0	1115737.5	1156031.2
Toxaphene			128903.50		
(2)			93839.000		
(3)			93019.000		
(4)			77652.000		
(5)			143505.50		
Endrin Ketone	3071300.0	2980750.0	2811550.0	2797912.5	2923443.8
gamma-Chlordane	4298200.0	4265700.0	3808400.0	3801050.0	3966812.5
alpha-Chlordane	3763800.0	3582400.0	3302800.0	3251650.0	3361175.0
Decachlorobiphenyl	2667200.0	2408850.0	2218475.0	2129962.5	2179393.8
Tetrachloro-m-Xylene	2980200.0	3137900.0	2852950.0	2843800.0	2912137.5

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date(s): 06/10/10 06/10/10

Column: CLPEST ID: 0.32 (mm) Calibration Time(s): 1758 2053

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Aldrin	AVRG	4480730.00	5.0
beta-BHC	AVRG	1878412.50	9.1
alpha-BHC	AVRG	5709947.50	3.5
delta-BHC	AVRG	4983577.50	3.6
gamma-BHC (Lindane)	AVRG	5248525.00	3.7
4,4'-DDD	AVRG	2594562.50	4.2
4,4'-DDE	AVRG	3488363.75	4.9
4,4'-DDT	AVRG	2895586.25	4.9
Dieldrin	AVRG	3622591.25	4.2
Endosulfan I	AVRG	3581307.50	5.7
Endosulfan II	AVRG	2950277.50	4.3
Endosulfan sulfate	AVRG	2454690.00	4.9
Endrin	AVRG	2848850.00	8.4
Endrin Aldehyde	AVRG	2244868.75	3.8
Heptachlor	AVRG	4844272.50	4.8
Heptachlor Epoxide	AVRG	4017505.00	5.7
Methoxychlor	AVRG	1161131.75	4.9
Toxaphene	AVRG	128903.500	0.0
(2)	AVRG	93839.0000	0.0
(3)	AVRG	93019.0000	0.0
(4)	AVRG	77652.0000	0.0
(5)	AVRG	143505.500	0.0
Endrin Ketone	AVRG	2916991.25	4.0
gamma-Chlordane	AVRG	4028032.50	6.0
alpha-Chlordane	AVRG	3452365.00	6.2
Decachlorobiphenyl	AVRG	2320776.25	9.5
Tetrachloro-m-Xylene	AVRG	2945398.62	4.1

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date(s): 06/10/10 06/10/10

Column: CLPEST2 ID: 0.32 (mm) Calibration Time(s): 1758 2053

LAB FILE ID: RF0.0025: 004I0F10RF0.005: 005I0F100RF0.01: 010I0F1001
RF0.02: 007I0F1001RF0.04: 008I0F1001

COMPOUND	RF0.0025	RF0.005	RF0.01	RF0.02	RF0.04
Aldrin	1029800.0	990400.00	901750.00	871725.00	878250.00
beta-BHC	466000.00	460200.00	426300.00	416350.00	416812.50
alpha-BHC	1227600.0	1217600.0	1151100.0	1152250.0	1201312.5
delta-BHC	1086800.0	1047900.0	987700.00	994250.00	1045700.0
gamma-BHC (Lindane)	1163000.0	1154700.0	1085500.0	1081750.0	1124812.5
4,4'-DDD	567300.00	553100.00	516350.00	502450.00	518243.75
4,4'-DDE	805300.00	774850.00	712900.00	697262.50	723043.75
4,4'-DDT	640800.00	609950.00	565950.00	551512.50	570725.00
Dieldrin	817000.00	789150.00	717550.00	692625.00	700587.50
Endosulfan I	887800.00	846200.00	768800.00	729550.00	713087.50
Endosulfan II	699500.00	656750.00	608725.00	582762.50	584675.00
Endosulfan sulfate	614900.00	579900.00	528225.00	503412.50	504506.25
Endrin	721800.00	664400.00	583600.00	549462.50	557687.50
Endrin Aldehyde	545300.00	524750.00	494150.00	460812.50	449656.25
Heptachlor	1087636.4	1058300.0	973800.00	930600.00	934662.50
Heptachlor Epoxide	951000.00	912600.00	831300.00	794475.00	783912.50
Methoxychlor	264140.00	245910.00	222690.00	211250.00	214421.25
Toxaphene			28673.500		
(2)			34570.500		
(3)			16760.000		
(4)			14570.500		
(5)			26631.500		
Endrin Ketone	661900.00	639450.00	597250.00	577362.50	578093.75
gamma-Chlordane	963200.00	921600.00	836750.00	800825.00	803400.00
alpha-Chlordane	814800.00	786800.00	716300.00	685475.00	678650.00
Decachlorobiphenyl	627900.00	581600.00	521150.00	480825.00	467018.75
Tetrachloro-m-Xylene	748800.00	751500.00	690100.00	677800.00	675825.00

FORM VI PEST

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date(s): 06/10/10 06/10/10

Column: CLPEST2 ID: 0.32 (mm) Calibration Time(s): 1758 2053

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Aldrin	AVRG	934385.000	7.6
beta-BHC	AVRG	437132.500	5.5
alpha-BHC	AVRG	1189972.50	3.0
delta-BHC	AVRG	1032470.00	4.0
gamma-BHC (Lindane)	AVRG	1121952.50	3.4
4,4'-DDD	AVRG	531488.750	5.2
4,4'-DDE	AVRG	742671.250	6.1
4,4'-DDT	AVRG	587787.500	6.2
Dieldrin	AVRG	743382.500	7.5
Endosulfan I	AVRG	789087.500	9.6
Endosulfan II	AVRG	626482.500	8.1
Endosulfan sulfate	AVRG	546188.750	9.0
Endrin	AVRG	615390.000	12.2
Endrin Aldehyde	AVRG	494933.750	8.2
Heptachlor	AVRG	996999.773	7.2
Heptachlor Epoxide	AVRG	854657.500	8.6
Methoxychlor	AVRG	231682.250	9.8
Toxaphene	AVRG	28673.5000	0.0
(2)	AVRG	34570.5000	0.0
(3)	AVRG	16760.0000	0.0
(4)	AVRG	14570.5000	0.0
(5)	AVRG	26631.5000	0.0
Endrin Ketone	AVRG	610811.250	6.2
gamma-Chlordane	AVRG	865155.000	8.5
alpha-Chlordane	AVRG	736405.000	8.3
Decachlorobiphenyl	AVRG	535699.250	12.7
Tetrachloro-m-Xylene	AVRG	708805.250	5.4

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date(s): 06/01/10 06/01/10

Column: CLPEST ID: 0.32 (mm) Calibration Time(s): 1716 2011

LAB FILE ID: RT1: 004F0F01010-CRT2: 005F0F01010-CRT3: 010F0F01010-A
RT4: 007F0F01010-CRT5: 008F0F01010-C

COMPOUND	RT1	RT2	RT3	RT4	RT5
Aldrin	13.180	13.180	13.180	13.180	13.180
beta-BHC	11.480	11.470	11.470	11.480	11.480
alpha-BHC	10.380	10.370	10.370	10.380	10.390
delta-BHC	11.920	11.920	11.920	11.920	11.920
gamma-BHC (Lindane)	11.230	11.220	11.220	11.230	11.230
4,4'-DDD	16.730	16.730	16.730	16.730	16.730
4,4'-DDE	15.400	15.410	15.410	15.410	15.410
4,4'-DDT	17.340	17.350	17.340	17.340	17.340
Dieldrin	16.060	16.060	16.060	16.060	16.060
Endosulfan I	15.520	15.520	15.520	15.520	15.520
Endosulfan II	17.070	17.080	17.080	17.070	17.080
Endosulfan sulfate	18.950	18.950	18.960	18.950	18.950
Endrin	16.570	16.580	16.580	16.580	16.580
Endrin Aldehyde	18.000	18.000	18.000	18.000	18.000
Heptachlor	12.450	12.450	12.450	12.450	12.450
Heptachlor Epoxide	14.620	14.620	14.630	14.630	14.630
Methoxychlor	18.400	18.400	18.400	18.400	18.400
Toxaphene			17.200		
(2)			17.320		
(3)			17.750		
(4)			17.950		
(5)			18.730		
Endrin Ketone	19.560	19.570	19.570	19.570	19.570
gamma-Chlordane	14.910	14.910	14.910	14.910	14.910
alpha-Chlordane	15.210	15.210	15.210	15.210	15.220
Decachlorobiphenyl	21.850	21.860	21.860	21.840	21.860
Tetrachloro-m-Xylene	8.800	8.780	8.780	8.800	8.800

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date(s): 06/01/10 06/01/10

Column: CLPEST ID: 0.32 (mm) Calibration Time(s): 1716 2011

COMPOUND	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aldrin	13.180	13.113	13.253
beta-BHC	11.476	11.410	11.550
alpha-BHC	10.378	10.317	10.457
delta-BHC	11.920	11.853	11.993
gamma-BHC (Lindane)	11.226	11.163	11.303
4,4'-DDD	16.730	16.662	16.802
4,4'-DDE	15.408	15.338	15.478
4,4'-DDT	17.342	17.275	17.415
Dieldrin	16.060	15.993	16.133
Endosulfan I	15.520	15.452	15.592
Endosulfan II	17.076	17.007	17.147
Endosulfan sulfate	18.952	18.885	19.025
Endrin	16.578	16.508	16.648
Endrin Aldehyde	18.000	17.930	18.070
Heptachlor	12.450	12.382	12.522
Heptachlor Epoxide	14.626	14.557	14.697
Methoxychlor	18.400	18.330	18.470
Toxaphene	17.200	17.133	17.273
(2)	17.320	17.255	17.395
(3)	17.750	17.677	17.817
(4)	17.950	17.878	18.018
(5)	18.730	18.658	18.798
Endrin Ketone	19.568	19.495	19.635
gamma-Chlordane	14.910	14.843	14.983
alpha-Chlordane	15.212	15.147	15.287
Decachlorobiphenyl	21.854	21.785	21.925
Tetrachloro-m-Xylene	8.792	8.730	8.870

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date(s): 06/01/10 06/01/10

Column: CLPEST2 ID: 0.32 (mm) Calibration Time(s): 1716 2011

LAB FILE ID: RT1: 004F0F01010-CRT2: 005F0F01010-CRT3: 010F0F01010-A
RT4: 007F0F01010-CRT5: 008F0F01010-C

COMPOUND	RT1	RT2	RT3	RT4	RT5
Aldrin	13.170	13.170	13.170	13.170	13.170
beta-BHC	11.570	11.560	11.560	11.570	11.570
alpha-BHC	10.390	10.380	10.380	10.390	10.390
delta-BHC	12.290	12.280	12.280	12.290	12.290
gamma-BHC (Lindane)	11.320	11.320	11.320	11.320	11.320
4,4'-DDD	16.940	16.950	16.950	16.940	16.950
4,4'-DDE	15.680	15.680	15.680	15.680	15.680
4,4'-DDT	17.620	17.620	17.620	17.620	17.620
Dieldrin	16.010	16.010	16.010	16.010	16.010
Endosulfan I	15.390	15.390	15.390	15.390	15.400
Endosulfan II	17.140	17.140	17.140	17.140	17.140
Endosulfan sulfate	18.470	18.470	18.470	18.470	18.470
Endrin	16.670	16.670	16.670	16.670	16.670
Endrin Aldehyde	17.870	17.880	17.880	17.870	17.870
Heptachlor	12.400	12.400	12.400	12.400	12.400
Heptachlor Epoxide	14.520	14.520	14.520	14.520	14.520
Methoxychlor	19.100	19.100	19.100	19.100	19.100
Toxaphene			17.320		
(2)			17.890		
(3)			18.450		
(4)			18.650		
(5)			18.990		
Endrin Ketone	19.620	19.620	19.620	19.620	19.620
gamma-Chlordane	14.950	14.950	14.950	14.950	14.950
alpha-Chlordane	15.280	15.280	15.280	15.280	15.280
Decachlorobiphenyl	22.540	22.540	22.540	22.540	22.540
Tetrachloro-m-Xylene	8.660	8.640	8.640	8.660	8.660

FORM VI PEST

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date(s): 06/01/10 06/01/10

Column: CLPEST2 ID: 0.32 (mm) Calibration Time(s): 1716 2011

COMPOUND	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aldrin	13.170	13.102	13.242
beta-BHC	11.566	11.500	11.640
alpha-BHC	10.386	10.317	10.457
delta-BHC	12.286	12.218	12.358
gamma-BHC (Lindane)	11.320	11.252	11.392
4,4'-DDD	16.946	16.875	17.015
4,4'-DDE	15.680	15.613	15.753
4,4'-DDT	17.620	17.548	17.688
Dieldrin	16.010	15.937	16.077
Endosulfan I	15.392	15.327	15.467
Endosulfan II	17.140	17.070	17.210
Endosulfan sulfate	18.470	18.402	18.542
Endrin	16.670	16.603	16.743
Endrin Aldehyde	17.874	17.805	17.945
Heptachlor	12.400	12.335	12.475
Heptachlor Epoxide	14.520	14.450	14.590
Methoxychlor	19.100	19.028	19.168
Toxaphene	17.320	17.250	17.390
(2)	17.890	17.818	17.958
(3)	18.450	18.378	18.518
(4)	18.650	18.580	18.720
(5)	18.990	18.918	19.058
Endrin Ketone	19.620	19.552	19.692
gamma-Chlordane	14.950	14.882	15.022
alpha-Chlordane	15.280	15.212	15.352
Decachlorobiphenyl	22.540	22.470	22.610
Tetrachloro-m-Xylene	8.652	8.587	8.727

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date(s): 06/08/10 06/08/10

Column: CLPEST ID: 0.32 (mm) Calibration Time(s): 1531 1826

LAB FILE ID: RT1: 004H0F08011-CRT2: 005H0F08011-CRT3: 009H0F08011-A
RT4: 007H0F08011-CRT5: 008H0F08011-C

COMPOUND	RT1	RT2	RT3	RT4	RT5
Aldrin	13.150	13.150	13.150	13.150	13.150
beta-BHC	11.460	11.450	11.450	11.450	11.450
alpha-BHC	10.360	10.350	10.350	10.360	10.350
delta-BHC	11.890	11.890	11.890	11.900	11.890
gamma-BHC (Lindane)	11.200	11.200	11.200	11.200	11.200
4,4'-DDD	16.730	16.730	16.730	16.730	16.730
4,4'-DDE	15.390	15.390	15.390	15.390	15.390
4,4'-DDT	17.340	17.340	17.340	17.340	17.340
Dieldrin	16.050	16.050	16.050	16.050	16.050
Endosulfan I	15.500	15.500	15.500	15.510	15.500
Endosulfan II	17.070	17.060	17.070	17.070	17.070
Endosulfan sulfate	18.960	18.960	18.960	18.960	18.960
Endrin	16.570	16.560	16.560	16.570	16.570
Endrin Aldehyde	18.000	18.000	18.000	18.000	18.000
Heptachlor	12.420	12.420	12.420	12.420	12.420
Heptachlor Epoxide	14.610	14.600	14.600	14.610	14.600
Methoxychlor	18.410	18.410	18.410	18.410	18.410
Toxaphene			16.250		
(2)			17.320		
(3)			18.220		
(4)			18.840		
(5)			19.860		
Endrin Ketone	19.580	19.570	19.570	19.580	19.580
gamma-Chlordane	14.890	14.890	14.890	14.890	14.890
alpha-Chlordane	15.200	15.200	15.200	15.200	15.200
Decachlorobiphenyl	21.910	21.910	21.910	21.910	21.910
Tetrachloro-m-Xylene	8.770	8.760	8.770	8.770	8.770

FORM VI PEST

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date(s): 06/08/10 06/08/10

Column: CLPEST ID: 0.32 (mm) Calibration Time(s): 1531 1826

COMPOUND	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aldrin	13.150	13.083	13.223
beta-BHC	11.452	11.380	11.520
alpha-BHC	10.354	10.283	10.423
delta-BHC	11.892	11.825	11.965
gamma-BHC (Lindane)	11.200	11.132	11.272
4,4'-DDD	16.730	16.657	16.797
4,4'-DDE	15.390	15.323	15.463
4,4'-DDT	17.340	17.275	17.415
Dieldrin	16.050	15.978	16.118
Endosulfan I	15.502	15.433	15.573
Endosulfan II	17.068	16.997	17.137
Endosulfan sulfate	18.960	18.892	19.032
Endrin	16.566	16.495	16.635
Endrin Aldehyde	18.000	17.930	18.070
Heptachlor	12.420	12.352	12.492
Heptachlor Epoxide	14.604	14.533	14.673
Methoxychlor	18.410	18.343	18.483
Toxaphene	16.254	16.185	16.325
(2)	17.320	17.250	17.390
(3)	18.218	18.148	18.288
(4)	18.844	18.775	18.915
(5)	19.860	19.790	19.930
Endrin Ketone	19.576	19.507	19.647
gamma-Chlordane	14.890	14.823	14.963
alpha-Chlordane	15.200	15.127	15.267
Decachlorobiphenyl	21.910	21.837	21.977
Tetrachloro-m-Xylene	8.768	8.695	8.835

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date(s): 06/08/10 06/08/10

Column: CLPEST2 ID: 0.32 (mm) Calibration Time(s): 1531 1826

LAB FILE ID: RT1: 004H0F08011-CRT2: 005H0F08011-CRT3: 010H0F08011-A
RT4: 007H0F08011-CRT5: 008H0F08011-C

COMPOUND	RT1	RT2	RT3	RT4	RT5
Aldrin	13.140	13.140	13.140	13.140	13.140
beta-BHC	11.540	11.540	11.540	11.550	11.540
alpha-BHC	10.360	10.360	10.360	10.360	10.360
delta-BHC	12.260	12.260	12.260	12.260	12.260
gamma-BHC (Lindane)	11.290	11.290	11.300	11.300	11.290
4,4'-DDD	16.910	16.910	16.910	16.920	16.910
4,4'-DDE	15.650	15.650	15.650	15.650	15.650
4,4'-DDT	17.590	17.590	17.590	17.590	17.590
Dieldrin	15.980	15.970	15.980	15.980	15.980
Endosulfan I	15.370	15.360	15.370	15.370	15.370
Endosulfan II	17.110	17.110	17.110	17.110	17.110
Endosulfan sulfate	18.440	18.440	18.440	18.440	18.440
Endrin	16.640	16.640	16.640	16.640	16.640
Endrin Aldehyde	17.840	17.840	17.840	17.850	17.840
Heptachlor	12.380	12.370	12.370	12.380	12.370
Heptachlor Epoxide	14.490	14.490	14.490	14.490	14.490
Methoxychlor	19.070	19.070	19.070	19.070	19.070
Toxaphene			16.530		
(2)			17.290		
(3)			17.860		
(4)			19.080		
(5)			19.500		
Endrin Ketone	19.590	19.590	19.590	19.590	19.590
gamma-Chlordane	14.920	14.920	14.920	14.920	14.920
alpha-Chlordane	15.250	15.250	15.250	15.250	15.250
Decachlorobiphenyl	22.500	22.500	22.500	22.500	22.500
Tetrachloro-m-Xylene	8.630	8.630	8.630	8.630	8.630

FORM VI PEST

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date(s): 06/08/10 06/08/10

Column: CLPEST2 ID: 0.32 (mm) Calibration Time(s): 1531 1826

COMPOUND	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aldrin	13.140	13.072	13.212
beta-BHC	11.542	11.473	11.613
alpha-BHC	10.360	10.290	10.430
delta-BHC	12.260	12.192	12.332
gamma-BHC (Lindane)	11.294	11.225	11.365
4,4'-DDD	16.912	16.845	16.985
4,4'-DDE	15.650	15.583	15.723
4,4'-DDT	17.590	17.518	17.658
Dieldrin	15.978	15.907	16.047
Endosulfan I	15.368	15.295	15.435
Endosulfan II	17.110	17.038	17.178
Endosulfan sulfate	18.440	18.370	18.510
Endrin	16.640	16.572	16.712
Endrin Aldehyde	17.842	17.773	17.913
Heptachlor	12.374	12.305	12.445
Heptachlor Epoxide	14.490	14.418	14.558
Methoxychlor	19.070	18.998	19.138
Toxaphene	16.530	16.457	16.597
(2)	17.290	17.222	17.362
(3)	17.860	17.788	17.928
(4)	19.080	19.008	19.148
(5)	19.500	19.428	19.568
Endrin Ketone	19.590	19.518	19.658
gamma-Chlordane	14.920	14.850	14.990
alpha-Chlordane	15.250	15.180	15.320
Decachlorobiphenyl	22.500	22.425	22.565
Tetrachloro-m-Xylene	8.630	8.560	8.700

FORM VI PEST

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date(s): 06/10/10 06/10/10

Column: CLPEST ID: 0.32 (mm) Calibration Time(s): 1758 2053

LAB FILE ID: RT1: 004I0F10017-CRT2: 005I0F10017-CRT3: 010I0F10017-A
RT4: 007I0F10017-CRT5: 008I0F10017-C

COMPOUND	RT1	RT2	RT3	RT4	RT5
Aldrin	13.220	13.220	13.220	13.230	13.230
beta-BHC	11.520	11.520	11.520	11.520	11.520
alpha-BHC	10.420	10.420	10.420	10.430	10.420
delta-BHC	11.960	11.960	11.970	11.970	11.970
gamma-BHC (Lindane)	11.270	11.270	11.270	11.270	11.270
4,4'-DDD	16.790	16.790	16.790	16.800	16.790
4,4'-DDE	15.460	15.460	15.460	15.460	15.460
4,4'-DDT	17.400	17.410	17.410	17.410	17.410
Dieldrin	16.110	16.110	16.120	16.120	16.120
Endosulfan I	15.570	15.570	15.570	15.570	15.570
Endosulfan II	17.130	17.130	17.140	17.140	17.140
Endosulfan sulfate	19.020	19.020	19.020	19.020	19.030
Endrin	16.630	16.630	16.630	16.640	16.630
Endrin Aldehyde	18.060	18.060	18.060	18.070	18.070
Heptachlor	12.490	12.490	12.490	12.490	12.490
Heptachlor Epoxide	14.670	14.670	14.670	14.680	14.670
Methoxychlor	18.470	18.470	18.470	18.470	18.470
Toxaphene			17.260		
(2)			17.380		
(3)			18.010		
(4)			18.280		
(5)			18.790		
Endrin Ketone	19.640	19.640	19.640	19.640	19.640
gamma-Chlordane	14.960	14.960	14.960	14.960	14.960
alpha-Chlordane	15.270	15.260	15.270	15.270	15.270
Decachlorobiphenyl	21.970	21.970	21.970	21.970	21.970
Tetrachloro-m-Xylene	8.840	8.830	8.840	8.840	8.840

FORM VI PEST

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date(s): 06/10/10 06/10/10

Column: CLPEST ID: 0.32 (mm) Calibration Time(s): 1758 2053

COMPOUND	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aldrin	13.224	13.157	13.297
beta-BHC	11.520	11.452	11.592
alpha-BHC	10.422	10.353	10.493
delta-BHC	11.966	11.897	12.037
gamma-BHC (Lindane)	11.270	11.202	11.342
4,4'-DDD	16.792	16.723	16.863
4,4'-DDE	15.460	15.392	15.532
4,4'-DDT	17.408	17.340	17.480
Dieldrin	16.116	16.047	16.187
Endosulfan I	15.570	15.503	15.643
Endosulfan II	17.136	17.065	17.205
Endosulfan sulfate	19.022	18.957	19.097
Endrin	16.632	16.563	16.703
Endrin Aldehyde	18.064	17.995	18.135
Heptachlor	12.490	12.423	12.563
Heptachlor Epoxide	14.672	14.603	14.743
Methoxychlor	18.470	18.403	18.543
Toxaphene	17.262	17.192	17.332
(2)	17.382	17.313	17.453
(3)	18.010	17.940	18.080
(4)	18.280	18.210	18.350
(5)	18.792	18.723	18.863
Endrin Ketone	19.640	19.570	19.710
gamma-Chlordane	14.960	14.893	15.033
alpha-Chlordane	15.268	15.197	15.337
Decachlorobiphenyl	21.970	21.903	22.043
Tetrachloro-m-Xylene	8.838	8.765	8.905

FORM VI PEST

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date(s): 06/10/10 06/10/10

Column: CLPEST2 ID: 0.32 (mm) Calibration Time(s): 1758 2053

LAB FILE ID: RT1: 004I0F10017-CRT2: 005I0F10017-CRT3: 010I0F10017-A
RT4: 007I0F10017-CRT5: 008I0F10017-C

COMPOUND	RT1	RT2	RT3	RT4	RT5
Aldrin	13.210	13.210	13.220	13.220	13.220
beta-BHC	11.620	11.610	11.620	11.620	11.620
alpha-BHC	10.430	10.430	10.430	10.430	10.430
delta-BHC	12.330	12.330	12.340	12.340	12.330
gamma-BHC (Lindane)	11.360	11.370	11.370	11.370	11.370
4,4'-DDD	16.990	16.990	16.990	16.990	16.990
4,4'-DDE	15.730	15.730	15.730	15.730	15.730
4,4'-DDT	17.660	17.660	17.660	17.670	17.660
Dieldrin	16.050	16.050	16.050	16.050	16.050
Endosulfan I	15.440	15.440	15.440	15.440	15.440
Endosulfan II	17.190	17.190	17.190	17.190	17.190
Endosulfan sulfate	18.520	18.520	18.520	18.520	18.520
Endrin	16.720	16.720	16.720	16.720	16.720
Endrin Aldehyde	17.920	17.920	17.920	17.930	17.920
Heptachlor	12.450	12.450	12.450	12.450	12.450
Heptachlor Epoxide	14.560	14.560	14.560	14.560	14.560
Methoxychlor	19.140	19.140	19.140	19.140	19.140
Toxaphene			17.370		
(2)			17.940		
(3)			18.120		
(4)			18.500		
(5)			19.040		
Endrin Ketone	19.670	19.670	19.670	19.670	19.670
gamma-Chlordane	14.990	14.990	15.000	15.000	14.990
alpha-Chlordane	15.320	15.320	15.330	15.330	15.330
Decachlorobiphenyl	22.600	22.600	22.600	22.610	22.600
Tetrachloro-m-Xylene	8.700	8.700	8.700	8.700	8.700

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date(s): 06/10/10 06/10/10

Column: CLPEST2 ID: 0.32 (mm) Calibration Time(s): 1758 2053

COMPOUND	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aldrin	13.216	13.147	13.287
beta-BHC	11.618	11.545	11.685
alpha-BHC	10.430	10.358	10.498
delta-BHC	12.334	12.263	12.403
gamma-BHC (Lindane)	11.368	11.295	11.435
4,4'-DDD	16.990	16.922	17.062
4,4'-DDE	15.730	15.658	15.798
4,4'-DDT	17.662	17.595	17.735
Dieldrin	16.050	15.983	16.123
Endosulfan I	15.440	15.372	15.512
Endosulfan II	17.190	17.118	17.258
Endosulfan sulfate	18.520	18.450	18.590
Endrin	16.720	16.650	16.790
Endrin Aldehyde	17.922	17.853	17.993
Heptachlor	12.450	12.378	12.518
Heptachlor Epoxide	14.560	14.495	14.635
Methoxychlor	19.140	19.075	19.215
Toxaphene	17.370	17.300	17.440
(2)	17.940	17.867	18.007
(3)	18.120	18.050	18.190
(4)	18.500	18.428	18.568
(5)	19.040	18.967	19.107
Endrin Ketone	19.670	19.600	19.740
gamma-Chlordane	14.994	14.925	15.065
alpha-Chlordane	15.326	15.257	15.397
Decachlorobiphenyl	22.602	22.533	22.673
Tetrachloro-m-Xylene	8.700	8.627	8.767

b. Continuing Calibration Summary (Form VII)

For all performance evaluation mixtures (if applicable) and Continuing calibration verification standards, on all GC columns and instruments, in chronological order by GC column and instrument.

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date: 06/01/10 Time: 2207

Lab File ID: 014FSEQ-CCV1 Init. Calib. Date(s): 06/01/10 06/01/10

Init. Calib. Times: 1716 1913

GC Column: CLPEST ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	2391920.0	2305015.0	0.01	-3.63	20.00	AVRG
alpha-BHC	3028787.5	2917530.0	0.01	-3.67	20.00	AVRG
beta-BHC	1035150.0	988885.00	0.01	-4.47	20.00	AVRG
delta-BHC	2721052.5	2643610.0	0.01	-2.85	20.00	AVRG
gamma-BHC (Lindane)	2817265.0	2719535.0	0.01	-3.47	20.00	AVRG
4,4'-DDD	1534440.0	1509110.0	0.01	-1.65	20.00	AVRG
4,4'-DDE	2012896.3	1919502.5	0.01	-4.64	20.00	AVRG
4,4'-DDT	1722488.7	1708226.2	0.01	-0.83	20.00	AVRG
Dieldrin	2037205.0	1992953.8	0.01	-2.17	20.00	AVRG
Endosulfan I	2067970.0	1982260.0	0.01	-4.14	20.00	AVRG
Endosulfan II	1759840.0	1756707.5	0.01	-0.18	20.00	AVRG
Endosulfan sulfate	1574193.8	1563136.2	0.01	-0.70	20.00	AVRG
Endrin	1695797.5	1684813.8	0.01	-0.65	20.00	AVRG
Endrin Aldehyde	1371845.0	1422035.0	0.01	3.66	20.00	AVRG
Heptachlor	2589887.5	2485682.5	0.01	-4.02	20.00	AVRG
Heptachlor Epoxide	2235460.0	2165492.5	0.01	-3.13	20.00	AVRG
Methoxychlor	731446.75	732491.50	0.01	0.14	20.00	AVRG
Endrin Ketone	1849761.2	1863425.0	0.01	0.74	20.00	AVRG
gamma-Chlordane	2245767.5	2159205.0	0.01	-3.85	20.00	AVRG
alpha-Chlordane	1924147.5	1872265.0	0.01	-2.70	20.00	AVRG
Decachlorobiphenyl	1622137.5	1652282.5	0.01	1.86	20.00	AVRG
Tetrachloro-m-Xylene	1587697.5	1546220.0	0.01	-2.61	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date: 06/01/10 Time: 2207

Lab File ID: 014FSEQ-CCV1 Init. Calib. Date(s): 06/01/10 06/01/10

Init. Calib. Times: 1716 1913

GC Column: CLPEST2 ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	726627.50	704780.00	0.01	-3.01	20.00	AVRG
beta-BHC	347427.50	340735.00	0.01	-1.93	20.00	AVRG
alpha-BHC	916452.50	884130.00	0.01	-3.53	20.00	AVRG
delta-BHC	827595.00	797137.50	0.01	-3.68	20.00	AVRG
gamma-BHC (Lindane)	866882.50	839925.00	0.01	-3.11	20.00	AVRG
4,4'-DDD	454222.50	452805.00	0.01	-0.31	20.00	AVRG
4,4'-DDE	617325.00	603055.00	0.01	-2.31	20.00	AVRG
4,4'-DDT	503765.00	503602.50	0.01	-0.03	20.00	AVRG
Dieldrin	598393.75	588156.25	0.01	-1.71	20.00	AVRG
Endosulfan I	638725.00	634995.00	0.01	-0.58	20.00	AVRG
Endosulfan II	526756.25	531255.00	0.01	0.85	20.00	AVRG
Endosulfan sulfate	479623.75	486675.00	0.01	1.47	20.00	AVRG
Endrin	524785.00	522648.75	0.01	-0.41	20.00	AVRG
Endrin Aldehyde	425753.75	441310.00	0.01	3.65	20.00	AVRG
Heptachlor	778205.23	759122.50	0.01	-2.45	20.00	AVRG
Heptachlor Epoxide	683115.00	670355.00	0.01	-1.87	20.00	AVRG
Methoxychlor	208391.00	210849.00	0.01	1.18	20.00	AVRG
Endrin Ketone	535815.00	549357.50	0.01	2.53	20.00	AVRG
gamma-Chlordane	690205.00	676047.50	0.01	-2.05	20.00	AVRG
alpha-Chlordane	595455.00	583475.00	0.01	-2.01	20.00	AVRG
Decachlorobiphenyl	497253.75	521877.50	0.01	4.95	20.00	AVRG
Tetrachloro-m-Xylene	548875.00	534435.00	0.01	-2.63	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date: 06/02/10 Time: 0426

Lab File ID: 027FSEQ-CCV2 Init. Calib. Date(s): 06/01/10 06/01/10

Init. Calib. Times: 1716 1913

GC Column: CLPEST ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	2391920.0	2500000.0	0.01	4.52	20.00	AVRG
alpha-BHC	3028787.5	3162050.0	0.01	4.40	20.00	AVRG
beta-BHC	1035150.0	1066300.0	0.01	3.01	20.00	AVRG
delta-BHC	2721052.5	2816750.0	0.01	3.52	20.00	AVRG
gamma-BHC (Lindane)	2817265.0	2946450.0	0.01	4.58	20.00	AVRG
4,4'-DDD	1534440.0	1569800.0	0.01	2.30	20.00	AVRG
4,4'-DDE	2012896.3	2026550.0	0.01	0.68	20.00	AVRG
4,4'-DDT	1722488.7	1729850.0	0.01	0.43	20.00	AVRG
Dieldrin	2037205.0	2077050.0	0.01	1.96	20.00	AVRG
Endosulfan I	2067970.0	2094300.0	0.01	1.27	20.00	AVRG
Endosulfan II	1759840.0	1761225.0	0.01	0.08	20.00	AVRG
Endosulfan sulfate	1574193.8	1536675.0	0.01	-2.38	20.00	AVRG
Endrin	1695797.5	1701325.0	0.01	0.32	20.00	AVRG
Endrin Aldehyde	1371845.0	1401675.0	0.01	2.17	20.00	AVRG
Heptachlor	2589887.5	2704150.0	0.01	4.41	20.00	AVRG
Heptachlor Epoxide	2235460.0	2305050.0	0.01	3.11	20.00	AVRG
Methoxychlor	731446.75	712835.00	0.01	-2.54	20.00	AVRG
Endrin Ketone	1849761.2	1827625.0	0.01	-1.20	20.00	AVRG
gamma-Chlordane	2245767.5	2301450.0	0.01	2.48	20.00	AVRG
alpha-Chlordane	1924147.5	1993100.0	0.01	3.58	20.00	AVRG
Decachlorobiphenyl	1622137.5	1543150.0	0.01	-4.87	20.00	AVRG
Tetrachloro-m-Xylene	1587697.5	1686450.0	0.01	6.22	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date: 06/02/10 Time: 0426

Lab File ID: 027FSEQ-CCV2 Init. Calib. Date(s): 06/01/10 06/01/10

Init. Calib. Times: 1716 1913

GC Column: CLPEST2 ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	726627.50	743100.00	0.01	2.27	20.00	AVRG
beta-BHC	347427.50	360000.00	0.01	3.62	20.00	AVRG
alpha-BHC	916452.50	939700.00	0.01	2.54	20.00	AVRG
delta-BHC	827595.00	833950.00	0.01	0.77	20.00	AVRG
gamma-BHC (Lindane)	866882.50	890100.00	0.01	2.68	20.00	AVRG
4,4'-DDD	454222.50	450850.00	0.01	-0.74	20.00	AVRG
4,4'-DDE	617325.00	622425.00	0.01	0.83	20.00	AVRG
4,4'-DDT	503765.00	498700.00	0.01	-1.00	20.00	AVRG
Dieldrin	598393.75	600950.00	0.01	0.43	20.00	AVRG
Endosulfan I	638725.00	649350.00	0.01	1.66	20.00	AVRG
Endosulfan II	526756.25	523125.00	0.01	-0.69	20.00	AVRG
Endosulfan sulfate	479623.75	468775.00	0.01	-2.26	20.00	AVRG
Endrin	524785.00	517575.00	0.01	-1.37	20.00	AVRG
Endrin Aldehyde	425753.75	426025.00	0.01	0.06	20.00	AVRG
Heptachlor	778205.23	804900.00	0.01	3.43	20.00	AVRG
Heptachlor Epoxide	683115.00	697000.00	0.01	2.03	20.00	AVRG
Methoxychlor	208391.00	201835.00	0.01	-3.15	20.00	AVRG
Endrin Ketone	535815.00	526375.00	0.01	-1.76	20.00	AVRG
gamma-Chlordane	690205.00	699450.00	0.01	1.34	20.00	AVRG
alpha-Chlordane	595455.00	605000.00	0.01	1.60	20.00	AVRG
Decachlorobiphenyl	497253.75	484825.00	0.01	-2.50	20.00	AVRG
Tetrachloro-m-Xylene	548875.00	570000.00	0.01	3.85	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date: 06/02/10 Time: 1044

Lab File ID: 040FSEQ-CCV3 Init. Calib. Date(s): 06/01/10 06/01/10

Init. Calib. Times: 1716 1913

GC Column: CLPEST ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	2391920.0	2610640.0	0.01	9.14	20.00	AVRG
alpha-BHC	3028787.5	3320940.0	0.01	9.64	20.00	AVRG
beta-BHC	1035150.0	1046692.5	0.01	1.12	20.00	AVRG
delta-BHC	2721052.5	2962520.0	0.01	8.87	20.00	AVRG
gamma-BHC (Lindane)	2817265.0	3058305.0	0.01	8.56	20.00	AVRG
4,4'-DDD	1534440.0	1605438.8	0.01	4.63	20.00	AVRG
4,4'-DDE	2012896.3	2014605.0	0.01	0.08	20.00	AVRG
4,4'-DDT	1722488.7	1711901.2	0.01	-0.61	20.00	AVRG
Dieldrin	2037205.0	2127763.8	0.01	4.44	20.00	AVRG
Endosulfan I	2067970.0	2055280.0	0.01	-0.61	20.00	AVRG
Endosulfan II	1759840.0	1755483.8	0.01	-0.25	20.00	AVRG
Endosulfan sulfate	1574193.8	1522526.2	0.01	-3.28	20.00	AVRG
Endrin	1695797.5	1804312.5	0.01	6.40	20.00	AVRG
Endrin Aldehyde	1371845.0	1404537.5	0.01	2.38	20.00	AVRG
Heptachlor	2589887.5	2844765.0	0.01	9.84	20.00	AVRG
Heptachlor Epoxide	2235460.0	2366445.0	0.01	5.86	20.00	AVRG
Methoxychlor	731446.75	733136.50	0.01	0.23	20.00	AVRG
Endrin Ketone	1849761.2	1822297.5	0.01	-1.48	20.00	AVRG
gamma-Chlordane	2245767.5	2379410.0	0.01	5.95	20.00	AVRG
alpha-Chlordane	1924147.5	2008112.5	0.01	4.36	20.00	AVRG
Decachlorobiphenyl	1622137.5	1591382.5	0.01	-1.90	20.00	AVRG
Tetrachloro-m-Xylene	1587697.5	1772045.0	0.01	11.61	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date: 06/02/10 Time: 1044

Lab File ID: 040FSEQ-CCV3 Init. Calib. Date(s): 06/01/10 06/01/10

Init. Calib. Times: 1716 1913

GC Column: CLPEST2 ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	726627.50	775145.00	0.01	6.68	20.00	AVRG
beta-BHC	347427.50	362480.00	0.01	4.33	20.00	AVRG
alpha-BHC	916452.50	991505.00	0.01	8.19	20.00	AVRG
delta-BHC	827595.00	844152.50	0.01	2.00	20.00	AVRG
gamma-BHC (Lindane)	866882.50	920362.50	0.01	6.17	20.00	AVRG
4,4'-DDD	454222.50	461046.25	0.01	1.50	20.00	AVRG
4,4'-DDE	617325.00	637945.00	0.01	3.34	20.00	AVRG
4,4'-DDT	503765.00	495407.50	0.01	-1.66	20.00	AVRG
Dieldrin	598393.75	612227.50	0.01	2.31	20.00	AVRG
Endosulfan I	638725.00	651430.00	0.01	1.99	20.00	AVRG
Endosulfan II	526756.25	519397.50	0.01	-1.40	20.00	AVRG
Endosulfan sulfate	479623.75	462070.00	0.01	-3.66	20.00	AVRG
Endrin	524785.00	543870.00	0.01	3.64	20.00	AVRG
Endrin Aldehyde	425753.75	431050.00	0.01	1.24	20.00	AVRG
Heptachlor	778205.23	866780.00	0.01	11.38	20.00	AVRG
Heptachlor Epoxide	683115.00	713897.50	0.01	4.51	20.00	AVRG
Methoxychlor	208391.00	206445.50	0.01	-0.93	20.00	AVRG
Endrin Ketone	535815.00	523445.00	0.01	-2.31	20.00	AVRG
gamma-Chlordane	690205.00	711860.00	0.01	3.14	20.00	AVRG
alpha-Chlordane	595455.00	606805.00	0.01	1.91	20.00	AVRG
Decachlorobiphenyl	497253.75	479865.00	0.01	-3.50	20.00	AVRG
Tetrachloro-m-Xylene	548875.00	609670.00	0.01	11.08	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date: 06/02/10 Time: 1703

Lab File ID: 053FSEQ-CCV4 Init. Calib. Date(s): 06/01/10 06/01/10

Init. Calib. Times: 1716 1913

GC Column: CLPEST ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	2391920.0	2620080.0	0.01	9.54	20.00	AVRG
alpha-BHC	3028787.5	3314952.5	0.01	9.45	20.00	AVRG
beta-BHC	1035150.0	1018735.0	0.01	-1.58	20.00	AVRG
delta-BHC	2721052.5	2667555.0	0.01	-1.97	20.00	AVRG
gamma-BHC (Lindane)	2817265.0	3040907.5	0.01	7.94	20.00	AVRG
4,4'-DDD	1534440.0	1582542.5	0.01	3.13	20.00	AVRG
4,4'-DDE	2012896.3	1929543.8	0.01	-4.14	20.00	AVRG
4,4'-DDT	1722488.7	1733706.2	0.01	0.65	20.00	AVRG
Dieldrin	2037205.0	2147211.2	0.01	5.40	20.00	AVRG
Endosulfan I	2067970.0	2001037.5	0.01	-3.24	20.00	AVRG
Endosulfan II	1759840.0	1788807.5	0.01	1.65	20.00	AVRG
Endosulfan sulfate	1574193.8	1548675.0	0.01	-1.62	20.00	AVRG
Endrin	1695797.5	1773380.0	0.01	4.57	20.00	AVRG
Endrin Aldehyde	1371845.0	1404705.0	0.01	2.40	20.00	AVRG
Heptachlor	2589887.5	2834360.0	0.01	9.44	20.00	AVRG
Heptachlor Epoxide	2235460.0	2396012.5	0.01	7.18	20.00	AVRG
Methoxychlor	731446.75	751752.50	0.01	2.78	20.00	AVRG
Endrin Ketone	1849761.2	1832870.0	0.01	-0.91	20.00	AVRG
gamma-Chlordane	2245767.5	2360252.5	0.01	5.10	20.00	AVRG
alpha-Chlordane	1924147.5	2035167.5	0.01	5.77	20.00	AVRG
Decachlorobiphenyl	1622137.5	1631845.0	0.01	0.60	20.00	AVRG
Tetrachloro-m-Xylene	1587697.5	1782222.5	0.01	12.25	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date: 06/02/10 Time: 1703

Lab File ID: 053FSEQ-CCV4 Init. Calib. Date(s): 06/01/10 06/01/10

Init. Calib. Times: 1716 1913

GC Column: CLPEST2 ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	726627.50	765370.00	0.01	5.33	20.00	AVRG
beta-BHC	347427.50	342115.00	0.01	-1.53	20.00	AVRG
alpha-BHC	916452.50	970940.00	0.01	5.94	20.00	AVRG
delta-BHC	827595.00	768502.50	0.01	-7.14	20.00	AVRG
gamma-BHC (Lindane)	866882.50	903990.00	0.01	4.28	20.00	AVRG
4,4'-DDD	454222.50	461762.50	0.01	1.66	20.00	AVRG
4,4'-DDE	617325.00	635072.50	0.01	2.87	20.00	AVRG
4,4'-DDT	503765.00	486110.00	0.01	-3.50	20.00	AVRG
Dieldrin	598393.75	611167.50	0.01	2.13	20.00	AVRG
Endosulfan I	638725.00	652612.50	0.01	2.17	20.00	AVRG
Endosulfan II	526756.25	516815.00	0.01	-1.89	20.00	AVRG
Endosulfan sulfate	479623.75	462522.50	0.01	-3.56	20.00	AVRG
Endrin	524785.00	525041.25	0.01	0.05	20.00	AVRG
Endrin Aldehyde	425753.75	417131.25	0.01	-2.02	20.00	AVRG
Heptachlor	778205.23	817627.50	0.01	5.06	20.00	AVRG
Heptachlor Epoxide	683115.00	711435.00	0.01	4.14	20.00	AVRG
Methoxychlor	208391.00	207552.00	0.01	-0.40	20.00	AVRG
Endrin Ketone	535815.00	525587.50	0.01	-1.91	20.00	AVRG
gamma-Chlordane	690205.00	710430.00	0.01	2.93	20.00	AVRG
alpha-Chlordane	595455.00	608140.00	0.01	2.13	20.00	AVRG
Decachlorobiphenyl	497253.75	497656.25	0.01	0.08	20.00	AVRG
Tetrachloro-m-Xylene	548875.00	598297.50	0.01	9.00	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date: 06/02/10 Time: 2321

Lab File ID: 066FSEQ-CCV1 Init. Calib. Date(s): 06/01/10 06/01/10

Init. Calib. Times: 1716 1913

GC Column: CLPEST ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	2391920.0	2597700.0	0.01	8.60	20.00	AVRG
alpha-BHC	3028787.5	3268550.0	0.01	7.92	20.00	AVRG
beta-BHC	1035150.0	993700.00	0.01	-4.00	20.00	AVRG
delta-BHC	2721052.5	2535250.0	0.01	-6.83	20.00	AVRG
gamma-BHC (Lindane)	2817265.0	3005050.0	0.01	6.66	20.00	AVRG
4,4'-DDD	1534440.0	1624025.0	0.01	5.84	20.00	AVRG
4,4'-DDE	2012896.3	2006650.0	0.01	-0.31	20.00	AVRG
4,4'-DDT	1722488.7	1691850.0	0.01	-1.78	20.00	AVRG
Dieldrin	2037205.0	2123175.0	0.01	4.22	20.00	AVRG
Endosulfan I	2067970.0	2370150.0	0.01	14.61	20.00	AVRG
Endosulfan II	1759840.0	1743275.0	0.01	-0.94	20.00	AVRG
Endosulfan sulfate	1574193.8	1509350.0	0.01	-4.12	20.00	AVRG
Endrin	1695797.5	1751775.0	0.01	3.30	20.00	AVRG
Endrin Aldehyde	1371845.0	1412850.0	0.01	2.99	20.00	AVRG
Heptachlor	2589887.5	2793600.0	0.01	7.86	20.00	AVRG
Heptachlor Epoxide	2235460.0	2359250.0	0.01	5.54	20.00	AVRG
Methoxychlor	731446.75	715035.00	0.01	-2.24	20.00	AVRG
Endrin Ketone	1849761.2	1810750.0	0.01	-2.11	20.00	AVRG
gamma-Chlordane	2245767.5	2333250.0	0.01	3.90	20.00	AVRG
alpha-Chlordane	1924147.5	2025000.0	0.01	5.24	20.00	AVRG
Decachlorobiphenyl	1622137.5	1625050.0	0.01	0.18	20.00	AVRG
Tetrachloro-m-Xylene	1587697.5	1761000.0	0.01	10.92	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date: 06/02/10 Time: 2321

Lab File ID: 066FSEQ-CCV1 Init. Calib. Date(s): 06/01/10 06/01/10

Init. Calib. Times: 1716 1913

GC Column: CLPEST2 ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	726627.50	755720.00	0.01	4.00	20.00	AVRG
beta-BHC	347427.50	337382.50	0.01	-2.89	20.00	AVRG
alpha-BHC	916452.50	948105.00	0.01	3.45	20.00	AVRG
delta-BHC	827595.00	768702.50	0.01	-7.12	20.00	AVRG
gamma-BHC (Lindane)	866882.50	884580.00	0.01	2.04	20.00	AVRG
4,4'-DDD	454222.50	462325.00	0.01	1.78	20.00	AVRG
4,4'-DDE	617325.00	635798.75	0.01	2.99	20.00	AVRG
4,4'-DDT	503765.00	489675.00	0.01	-2.80	20.00	AVRG
Dieldrin	598393.75	603773.75	0.01	0.90	20.00	AVRG
Endosulfan I	638725.00	642885.00	0.01	0.65	20.00	AVRG
Endosulfan II	526756.25	517077.50	0.01	-1.84	20.00	AVRG
Endosulfan sulfate	479623.75	459496.25	0.01	-4.20	20.00	AVRG
Endrin	524785.00	514835.00	0.01	-1.90	20.00	AVRG
Endrin Aldehyde	425753.75	401030.00	0.01	-5.81	20.00	AVRG
Heptachlor	778205.23	850262.50	0.01	9.26	20.00	AVRG
Heptachlor Epoxide	683115.00	700685.00	0.01	2.57	20.00	AVRG
Methoxychlor	208391.00	201515.50	0.01	-3.30	20.00	AVRG
Endrin Ketone	535815.00	523330.00	0.01	-2.33	20.00	AVRG
gamma-Chlordane	690205.00	707335.00	0.01	2.48	20.00	AVRG
alpha-Chlordane	595455.00	599187.50	0.01	0.63	20.00	AVRG
Decachlorobiphenyl	497253.75	508297.50	0.01	2.22	20.00	AVRG
Tetrachloro-m-Xylene	548875.00	586925.00	0.01	6.93	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date: 06/03/10 Time: 0511

Lab File ID: 078FSEQ-CCV2 Init. Calib. Date(s): 06/01/10 06/01/10

Init. Calib. Times: 1716 1913

GC Column: CLPEST ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	2391920.0	2620550.0	0.01	9.56	20.00	AVRG
alpha-BHC	3028787.5	3299950.0	0.01	8.95	20.00	AVRG
beta-BHC	1035150.0	993850.00	0.01	-3.99	20.00	AVRG
delta-BHC	2721052.5	2765450.0	0.01	1.63	20.00	AVRG
gamma-BHC (Lindane)	2817265.0	3022900.0	0.01	7.30	20.00	AVRG
4,4'-DDD	1534440.0	1638750.0	0.01	6.80	20.00	AVRG
4,4'-DDE	2012896.3	1974275.0	0.01	-1.92	20.00	AVRG
4,4'-DDT	1722488.7	1664350.0	0.01	-3.38	20.00	AVRG
Dieldrin	2037205.0	2138025.0	0.01	4.95	20.00	AVRG
Endosulfan I	2067970.0	2428650.0	0.01	17.44	20.00	AVRG
Endosulfan II	1759840.0	1765600.0	0.01	0.33	20.00	AVRG
Endosulfan sulfate	1574193.8	1574425.0	0.01	0.01	20.00	AVRG
Endrin	1695797.5	1734200.0	0.01	2.26	20.00	AVRG
Endrin Aldehyde	1371845.0	1425725.0	0.01	3.93	20.00	AVRG
Heptachlor	2589887.5	2831050.0	0.01	9.31	20.00	AVRG
Heptachlor Epoxide	2235460.0	2394500.0	0.01	7.11	20.00	AVRG
Methoxychlor	731446.75	720600.00	0.01	-1.48	20.00	AVRG
Endrin Ketone	1849761.2	1875200.0	0.01	1.38	20.00	AVRG
gamma-Chlordane	2245767.5	2360000.0	0.01	5.09	20.00	AVRG
alpha-Chlordane	1924147.5	2043950.0	0.01	6.23	20.00	AVRG
Decachlorobiphenyl	1622137.5	1666325.0	0.01	2.72	20.00	AVRG
Tetrachloro-m-Xylene	1587697.5	1778500.0	0.01	12.02	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date: 06/03/10 Time: 0511

Lab File ID: 078FSEQ-CCV2 Init. Calib. Date(s): 06/01/10 06/01/10

Init. Calib. Times: 1716 1913

GC Column: CLPEST2 ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	726627.50	752855.00	0.01	3.61	20.00	AVRG
beta-BHC	347427.50	331175.00	0.01	-4.68	20.00	AVRG
alpha-BHC	916452.50	942272.50	0.01	2.82	20.00	AVRG
delta-BHC	827595.00	753122.50	0.01	-9.00	20.00	AVRG
gamma-BHC (Lindane)	866882.50	875945.00	0.01	1.04	20.00	AVRG
4,4'-DDD	454222.50	466612.50	0.01	2.73	20.00	AVRG
4,4'-DDE	617325.00	644235.00	0.01	4.36	20.00	AVRG
4,4'-DDT	503765.00	473300.00	0.01	-6.05	20.00	AVRG
Dieldrin	598393.75	596773.75	0.01	-0.27	20.00	AVRG
Endosulfan I	638725.00	640600.00	0.01	0.29	20.00	AVRG
Endosulfan II	526756.25	531656.25	0.01	0.93	20.00	AVRG
Endosulfan sulfate	479623.75	464842.50	0.01	-3.08	20.00	AVRG
Endrin	524785.00	511555.00	0.01	-2.52	20.00	AVRG
Endrin Aldehyde	425753.75	409181.25	0.01	-3.89	20.00	AVRG
Heptachlor	778205.23	841955.00	0.01	8.19	20.00	AVRG
Heptachlor Epoxide	683115.00	697215.00	0.01	2.06	20.00	AVRG
Methoxychlor	208391.00	200957.00	0.01	-3.57	20.00	AVRG
Endrin Ketone	535815.00	536460.00	0.01	0.12	20.00	AVRG
gamma-Chlordane	690205.00	699555.00	0.01	1.35	20.00	AVRG
alpha-Chlordane	595455.00	597495.00	0.01	0.34	20.00	AVRG
Decachlorobiphenyl	497253.75	524635.00	0.01	5.51	20.00	AVRG
Tetrachloro-m-Xylene	548875.00	582257.50	0.01	6.08	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date: 06/03/10 Time: 1308

Lab File ID: 092FSEQ-CCV3 Init. Calib. Date(s): 06/01/10 06/01/10

Init. Calib. Times: 1716 1913

GC Column: CLPEST ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	2391920.0	2541100.0	0.01	6.24	20.00	AVRG
alpha-BHC	3028787.5	3221550.0	0.01	6.36	20.00	AVRG
beta-BHC	1035150.0	1073000.0	0.01	3.66	20.00	AVRG
delta-BHC	2721052.5	2803300.0	0.01	3.02	20.00	AVRG
gamma-BHC (Lindane)	2817265.0	2958850.0	0.01	5.02	20.00	AVRG
4,4'-DDD	1534440.0	1578650.0	0.01	2.88	20.00	AVRG
4,4'-DDE	2012896.3	2042575.0	0.01	1.47	20.00	AVRG
4,4'-DDT	1722488.7	1750475.0	0.01	1.62	20.00	AVRG
Dieldrin	2037205.0	2113025.0	0.01	3.72	20.00	AVRG
Endosulfan I	2067970.0	2100750.0	0.01	1.58	20.00	AVRG
Endosulfan II	1759840.0	1783850.0	0.01	1.36	20.00	AVRG
Endosulfan sulfate	1574193.8	1561475.0	0.01	-0.81	20.00	AVRG
Endrin	1695797.5	1821200.0	0.01	7.39	20.00	AVRG
Endrin Aldehyde	1371845.0	1292000.0	0.01	-5.82	20.00	AVRG
Heptachlor	2589887.5	2751850.0	0.01	6.25	20.00	AVRG
Heptachlor Epoxide	2235460.0	2331050.0	0.01	4.28	20.00	AVRG
Methoxychlor	731446.75	757870.00	0.01	3.61	20.00	AVRG
Endrin Ketone	1849761.2	1826225.0	0.01	-1.27	20.00	AVRG
gamma-Chlordane	2245767.5	2305850.0	0.01	2.68	20.00	AVRG
alpha-Chlordane	1924147.5	1936800.0	0.01	0.66	20.00	AVRG
Decachlorobiphenyl	1622137.5	1575200.0	0.01	-2.89	20.00	AVRG
Tetrachloro-m-Xylene	1587697.5	1796400.0	0.01	13.14	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date: 06/03/10 Time: 1308

Lab File ID: 092FSEQ-CCV3 Init. Calib. Date(s): 06/01/10 06/01/10

Init. Calib. Times: 1716 1913

GC Column: CLPEST2 ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	726627.50	667250.00	0.01	-8.17	20.00	AVRG
beta-BHC	347427.50	324250.00	0.01	-6.67	20.00	AVRG
alpha-BHC	916452.50	841550.00	0.01	-8.17	20.00	AVRG
delta-BHC	827595.00	742600.00	0.01	-10.27	20.00	AVRG
gamma-BHC (Lindane)	866882.50	793000.00	0.01	-8.52	20.00	AVRG
4,4'-DDD	454222.50	405175.00	0.01	-10.80	20.00	AVRG
4,4'-DDE	617325.00	551325.00	0.01	-10.69	20.00	AVRG
4,4'-DDT	503765.00	446050.00	0.01	-11.46	20.00	AVRG
Dieldrin	598393.75	541900.00	0.01	-9.44	20.00	AVRG
Endosulfan I	638725.00	579850.00	0.01	-9.22	20.00	AVRG
Endosulfan II	526756.25	474800.00	0.01	-9.86	20.00	AVRG
Endosulfan sulfate	479623.75	429650.00	0.01	-10.42	20.00	AVRG
Endrin	524785.00	489925.00	0.01	-6.64	20.00	AVRG
Endrin Aldehyde	425753.75	364200.00	0.01	-14.46	20.00	AVRG
Heptachlor	778205.23	724350.00	0.01	-6.92	20.00	AVRG
Heptachlor Epoxide	683115.00	630350.00	0.01	-7.72	20.00	AVRG
Methoxychlor	208391.00	193075.00	0.01	-7.35	20.00	AVRG
Endrin Ketone	535815.00	479875.00	0.01	-10.44	20.00	AVRG
gamma-Chlordane	690205.00	624900.00	0.01	-9.46	20.00	AVRG
alpha-Chlordane	595455.00	540550.00	0.01	-9.22	20.00	AVRG
Decachlorobiphenyl	497253.75	449125.00	0.01	-9.68	20.00	AVRG
Tetrachloro-m-Xylene	548875.00	525050.00	0.01	-4.34	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date: 06/09/10 Time: 1459

Lab File ID: 021HSEQ-CCV2 Init. Calib. Date(s): 06/08/10 06/08/10

Init. Calib. Times: 1531 1727

GC Column: CLPEST ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	3341085.0	3595840.0	0.01	7.62	20.00	AVRG
alpha-BHC	4405790.0	4705890.0	0.01	6.81	20.00	AVRG
beta-BHC	1459142.5	1558265.0	0.01	6.79	20.00	AVRG
delta-BHC	3715660.0	4032480.0	0.01	8.53	20.00	AVRG
gamma-BHC (Lindane)	4029817.5	4339525.0	0.01	7.68	20.00	AVRG
4,4'-DDD	1884902.5	1983261.2	0.01	5.22	20.00	AVRG
4,4'-DDE	2606392.5	2735055.0	0.01	4.94	20.00	AVRG
4,4'-DDT	2061735.0	2148977.5	0.01	4.23	20.00	AVRG
Dieldrin	2641457.5	2767310.0	0.01	4.76	20.00	AVRG
Endosulfan I	2745735.0	2916612.5	0.01	6.22	20.00	AVRG
Endosulfan II	2129108.7	2250740.0	0.01	5.71	20.00	AVRG
Endosulfan sulfate	1802015.0	1876900.0	0.01	4.16	20.00	AVRG
Endrin	2142523.8	2128211.2	0.01	-0.67	20.00	AVRG
Endrin Aldehyde	1591158.8	1760405.0	0.01	10.64	20.00	AVRG
Heptachlor	3684487.5	3947210.0	0.01	7.13	20.00	AVRG
Heptachlor Epoxide	3010525.0	3196840.0	0.01	6.19	20.00	AVRG
Methoxychlor	832564.25	847757.50	0.01	1.82	20.00	AVRG
Endrin Ketone	2060691.2	2174127.5	0.01	5.50	20.00	AVRG
gamma-Chlordane	3005622.5	3129525.0	0.01	4.12	20.00	AVRG
alpha-Chlordane	2539037.5	2727480.0	0.01	7.42	20.00	AVRG
Decachlorobiphenyl	1657017.5	1727807.5	0.01	4.27	20.00	AVRG
Tetrachloro-m-Xylene	2301867.5	2493205.0	0.01	8.31	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date: 06/09/10 Time: 1459

Lab File ID: 021HSEQ-CCV2 Init. Calib. Date(s): 06/08/10 06/08/10

Init. Calib. Times: 1531 1727

GC Column: CLPEST2 ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	800937.50	804300.00	0.01	0.42	20.00	AVRG
beta-BHC	386895.00	391337.50	0.01	1.15	20.00	AVRG
alpha-BHC	1047682.5	1044142.5	0.01	-0.34	20.00	AVRG
delta-BHC	905560.00	893892.50	0.01	-1.29	20.00	AVRG
gamma-BHC (Lindane)	979802.50	979695.00	0.01	-0.01	20.00	AVRG
4,4'-DDD	439472.50	438932.50	0.01	-0.12	20.00	AVRG
4,4'-DDE	628897.50	622207.50	0.01	-1.06	20.00	AVRG
4,4'-DDT	475411.25	472125.00	0.01	-0.69	20.00	AVRG
Dieldrin	620833.75	615345.00	0.01	-0.88	20.00	AVRG
Endosulfan I	671435.00	670970.00	0.01	-0.07	20.00	AVRG
Endosulfan II	513938.75	514462.50	0.01	0.10	20.00	AVRG
Endosulfan sulfate	448710.00	451952.50	0.01	0.72	20.00	AVRG
Endrin	524293.75	494295.00	0.01	-5.72	20.00	AVRG
Endrin Aldehyde	404377.50	420022.50	0.01	3.87	20.00	AVRG
Heptachlor	869919.77	876057.50	0.01	0.70	20.00	AVRG
Heptachlor Epoxide	732520.00	737045.00	0.01	0.62	20.00	AVRG
Methoxychlor	188748.50	184892.25	0.01	-2.04	20.00	AVRG
Endrin Ketone	485871.25	497450.00	0.01	2.38	20.00	AVRG
gamma-Chlordane	732785.00	733080.00	0.01	0.04	20.00	AVRG
alpha-Chlordane	625690.00	627020.00	0.01	0.21	20.00	AVRG
Decachlorobiphenyl	423348.75	429052.50	0.01	1.35	20.00	AVRG
Tetrachloro-m-Xylene	632710.00	638995.00	0.01	0.99	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date: 06/09/10 Time: 2117

Lab File ID: 034HSEQ-CCV3 Init. Calib. Date(s): 06/08/10 06/08/10

Init. Calib. Times: 1531 1727

GC Column: CLPEST ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Aldrin	3341085.0	3594500.0	0.01	7.58	20.00	AVRG	
alpha-BHC	4405790.0	4646800.0	0.01	5.47	20.00	AVRG	
beta-BHC	1459142.5	1075050.0	0.01	-26.32	20.00	AVRG	<-
delta-BHC	3715660.0	2716550.0	0.01	-26.89	20.00	AVRG	<-
gamma-BHC (Lindane)	4029817.5	4095800.0	0.01	1.64	20.00	AVRG	
4,4'-DDD	1884902.5	1956525.0	0.01	3.80	20.00	AVRG	
4,4'-DDE	2606392.5	706950.00	0.01	-72.88	20.00	AVRG	<-
4,4'-DDT	2061735.0	1550225.0	0.01	-24.81	20.00	AVRG	<-
Dieldrin	2641457.5	2612025.0	0.01	-1.11	20.00	AVRG	
Endosulfan I	2745735.0	6422050.0	0.01	133.89	20.00	AVRG	<-
Endosulfan II	2129108.7	2163450.0	0.01	1.61	20.00	AVRG	
Endosulfan sulfate	1802015.0	1422475.0	0.01	-21.06	20.00	AVRG	<-
Endrin	2142523.8	2185825.0	0.01	2.02	20.00	AVRG	
Endrin Aldehyde	1591158.8	1305425.0	0.01	-17.96	20.00	AVRG	
Heptachlor	3684487.5	3948200.0	0.01	7.16	20.00	AVRG	
Heptachlor Epoxide	3010525.0	3018000.0	0.01	0.25	20.00	AVRG	
Methoxychlor	832564.25	588610.00	0.01	-29.30	20.00	AVRG	<-
Endrin Ketone	2060691.2	1726750.0	0.01	-16.20	20.00	AVRG	
gamma-Chlordane	3005622.5	2930600.0	0.01	-2.50	20.00	AVRG	
alpha-Chlordane	2539037.5	2504200.0	0.01	-1.37	20.00	AVRG	
Decachlorobiphenyl	1657017.5	1425725.0	0.01	-13.96	20.00	AVRG	
Tetrachloro-m-Xylene	2301867.5	2572850.0	0.01	11.77	20.00	AVRG	

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date: 06/09/10 Time: 2117

Lab File ID: 034HSEQ-CCV3 Init. Calib. Date(s): 06/08/10 06/08/10

Init. Calib. Times: 1531 1727

GC Column: CLPEST2 ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Aldrin	800937.50	786945.00	0.01	-1.75	20.00	AVRG	
beta-BHC	386895.00	334990.00	0.01	-13.42	20.00	AVRG	
alpha-BHC	1047682.5	1043217.5	0.01	-0.43	20.00	AVRG	
delta-BHC	905560.00	585975.00	0.01	-35.29	20.00	AVRG	<-
gamma-BHC (Lindane)	979802.50	938735.00	0.01	-4.19	20.00	AVRG	
4,4'-DDD	439472.50	357802.50	0.01	-18.58	20.00	AVRG	
4,4'-DDE	628897.50	609342.50	0.01	-3.11	20.00	AVRG	
4,4'-DDT	475411.25	313875.00	0.01	-33.98	20.00	AVRG	<-
Dieldrin	620833.75	570108.75	0.01	-8.17	20.00	AVRG	
Endosulfan I	671435.00	569102.50	0.01	-15.24	20.00	AVRG	
Endosulfan II	513938.75	505068.75	0.01	-1.72	20.00	AVRG	
Endosulfan sulfate	448710.00	323645.00	0.01	-27.87	20.00	AVRG	<-
Endrin	524293.75	473591.25	0.01	-9.67	20.00	AVRG	
Endrin Aldehyde	404377.50	286202.50	0.01	-29.22	20.00	AVRG	<-
Heptachlor	869919.77	1034832.5	0.01	18.96	20.00	AVRG	
Heptachlor Epoxide	732520.00	679340.00	0.01	-7.26	20.00	AVRG	
Methoxychlor	188748.50	121867.50	0.01	-35.43	20.00	AVRG	<-
Endrin Ketone	485871.25	373833.75	0.01	-23.06	20.00	AVRG	<-
gamma-Chlordane	732785.00	641955.00	0.01	-12.40	20.00	AVRG	
alpha-Chlordane	625690.00	548207.50	0.01	-12.38	20.00	AVRG	
Decachlorobiphenyl	423348.75	334626.25	0.01	-20.96	20.00	AVRG	<-
Tetrachloro-m-Xylene	632710.00	663580.00	0.01	4.88	20.00	AVRG	

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date: 06/10/10 Time: 2249

Lab File ID: 014ISEQ-CCV1 Init. Calib. Date(s): 06/10/10 06/10/10

Init. Calib. Times: 1758 1955

GC Column: CLPEST ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	4480730.0	4346475.0	0.01	-3.00	20.00	AVRG
alpha-BHC	5709947.5	5589965.0	0.01	-2.10	20.00	AVRG
beta-BHC	1878412.5	1835365.0	0.01	-2.29	20.00	AVRG
delta-BHC	4983577.5	4842162.5	0.01	-2.84	20.00	AVRG
gamma-BHC (Lindane)	5248525.0	5128955.0	0.01	-2.28	20.00	AVRG
4,4'-DDD	2594562.5	2485970.0	0.01	-4.18	20.00	AVRG
4,4'-DDE	3488363.7	3407000.0	0.01	-2.33	20.00	AVRG
4,4'-DDT	2895586.2	2771495.0	0.01	-4.28	20.00	AVRG
Dieldrin	3622591.2	3522543.8	0.01	-2.76	20.00	AVRG
Endosulfan I	3581307.5	3644385.0	0.01	1.76	20.00	AVRG
Endosulfan II	2950277.5	2901227.5	0.01	-1.66	20.00	AVRG
Endosulfan sulfate	2454690.0	2380880.0	0.01	-3.01	20.00	AVRG
Endrin	2848850.0	2709496.2	0.01	-4.89	20.00	AVRG
Endrin Aldehyde	2244868.8	2290355.0	0.01	2.03	20.00	AVRG
Heptachlor	4844272.5	4719810.0	0.01	-2.57	20.00	AVRG
Heptachlor Epoxide	4017505.0	3929800.0	0.01	-2.18	20.00	AVRG
Methoxychlor	1161131.7	1106151.2	0.01	-4.74	20.00	AVRG
Endrin Ketone	2916991.3	2834560.0	0.01	-2.82	20.00	AVRG
gamma-Chlordane	4028032.5	3915650.0	0.01	-2.79	20.00	AVRG
alpha-Chlordane	3452365.0	3376565.0	0.01	-2.20	20.00	AVRG
Decachlorobiphenyl	2320776.3	2202302.5	0.01	-5.10	20.00	AVRG
Tetrachloro-m-Xylene	2945397.5	2981355.0	0.01	1.22	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date: 06/10/10 Time: 2249

Lab File ID: 014ISEQ-CCV1 Init. Calib. Date(s): 06/10/10 06/10/10

Init. Calib. Times: 1758 1955

GC Column: CLPEST2 ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	934385.00	921485.00	0.01	-1.38	20.00	AVRG
beta-BHC	437132.50	439497.50	0.01	0.54	20.00	AVRG
alpha-BHC	1189972.5	1170030.0	0.01	-1.68	20.00	AVRG
delta-BHC	1032470.0	1008797.5	0.01	-2.29	20.00	AVRG
gamma-BHC (Lindane)	1121952.5	1102020.0	0.01	-1.78	20.00	AVRG
4,4'-DDD	531488.75	519433.75	0.01	-2.27	20.00	AVRG
4,4'-DDE	742671.25	731955.00	0.01	-1.44	20.00	AVRG
4,4'-DDT	587787.50	575823.75	0.01	-2.04	20.00	AVRG
Dieldrin	743382.50	731397.50	0.01	-1.61	20.00	AVRG
Endosulfan I	789087.50	790345.00	0.01	0.16	20.00	AVRG
Endosulfan II	626482.50	622210.00	0.01	-0.68	20.00	AVRG
Endosulfan sulfate	546188.75	538080.00	0.01	-1.48	20.00	AVRG
Endrin	615390.00	598577.50	0.01	-2.73	20.00	AVRG
Endrin Aldehyde	494933.75	503687.50	0.01	1.77	20.00	AVRG
Heptachlor	996999.78	993135.00	0.01	-0.39	20.00	AVRG
Heptachlor Epoxide	854657.50	849425.00	0.01	-0.61	20.00	AVRG
Methoxychlor	231682.25	225146.50	0.01	-2.82	20.00	AVRG
Endrin Ketone	610811.25	606510.00	0.01	-0.70	20.00	AVRG
gamma-Chlordane	865155.00	857880.00	0.01	-0.84	20.00	AVRG
alpha-Chlordane	736405.00	734362.50	0.01	-0.28	20.00	AVRG
Decachlorobiphenyl	535698.75	525166.25	0.01	-1.97	20.00	AVRG
Tetrachloro-m-Xylene	708805.00	708110.00	0.01	-0.10	20.00	AVRG

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date: 06/11/10 Time: 0508

Lab File ID: 027ISEQ-CCV2 Init. Calib. Date(s): 06/10/10 06/10/10

Init. Calib. Times: 1758 1955

GC Column: CLPEST ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	4480730.0	4496600.0	0.01	0.35	20.00	AVRG
alpha-BHC	5709947.5	5840070.0	0.01	2.28	20.00	AVRG
beta-BHC	1878412.5	1885252.5	0.01	0.36	20.00	AVRG
delta-BHC	4983577.5	5031987.5	0.01	0.97	20.00	AVRG
gamma-BHC (Lindane)	5248525.0	5362910.0	0.01	2.18	20.00	AVRG
4,4'-DDD	2594562.5	2557596.2	0.01	-1.42	20.00	AVRG
4,4'-DDE	3488363.7	3463347.5	0.01	-0.72	20.00	AVRG
4,4'-DDT	2895586.2	2783857.5	0.01	-3.86	20.00	AVRG
Dieldrin	3622591.2	3615817.5	0.01	-0.19	20.00	AVRG
Endosulfan I	3581307.5	3543500.0	0.01	-1.06	20.00	AVRG
Endosulfan II	2950277.5	2916892.5	0.01	-1.13	20.00	AVRG
Endosulfan sulfate	2454690.0	2359937.5	0.01	-3.86	20.00	AVRG
Endrin	2848850.0	3012790.0	0.01	5.75	20.00	AVRG
Endrin Aldehyde	2244868.8	2123757.5	0.01	-5.40	20.00	AVRG
Heptachlor	4844272.5	4933612.5	0.01	1.84	20.00	AVRG
Heptachlor Epoxide	4017505.0	4066135.0	0.01	1.21	20.00	AVRG
Methoxychlor	1161131.7	1140436.5	0.01	-1.78	20.00	AVRG
Endrin Ketone	2916991.3	2779562.5	0.01	-4.71	20.00	AVRG
gamma-Chlordane	4028032.5	3999610.0	0.01	-0.70	20.00	AVRG
alpha-Chlordane	3452365.0	3446900.0	0.01	-0.16	20.00	AVRG
Decachlorobiphenyl	2320776.3	2145810.0	0.01	-7.54	20.00	AVRG
Tetrachloro-m-Xylene	2945397.5	3106450.0	0.01	5.47	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date: 06/11/10 Time: 0508

Lab File ID: 027ISEQ-CCV2 Init. Calib. Date(s): 06/10/10 06/10/10

Init. Calib. Times: 1758 1955

GC Column: CLPEST2 ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	934385.00	965827.50	0.01	3.36	20.00	AVRG
beta-BHC	437132.50	455085.00	0.01	4.11	20.00	AVRG
alpha-BHC	1189972.5	1247600.0	0.01	4.84	20.00	AVRG
delta-BHC	1032470.0	1059722.5	0.01	2.64	20.00	AVRG
gamma-BHC (Lindane)	1121952.5	1173065.0	0.01	4.56	20.00	AVRG
4,4'-DDD	531488.75	535580.00	0.01	0.77	20.00	AVRG
4,4'-DDE	742671.25	756557.50	0.01	1.87	20.00	AVRG
4,4'-DDT	587787.50	571272.50	0.01	-2.81	20.00	AVRG
Dieldrin	743382.50	751585.00	0.01	1.10	20.00	AVRG
Endosulfan I	789087.50	801275.00	0.01	1.54	20.00	AVRG
Endosulfan II	626482.50	626040.00	0.01	-0.07	20.00	AVRG
Endosulfan sulfate	546188.75	533481.25	0.01	-2.33	20.00	AVRG
Endrin	615390.00	650728.75	0.01	5.74	20.00	AVRG
Endrin Aldehyde	494933.75	486742.50	0.01	-1.66	20.00	AVRG
Heptachlor	996999.78	1044065.0	0.01	4.72	20.00	AVRG
Heptachlor Epoxide	854657.50	879560.00	0.01	2.91	20.00	AVRG
Methoxychlor	231682.25	229810.50	0.01	-0.81	20.00	AVRG
Endrin Ketone	610811.25	588045.00	0.01	-3.73	20.00	AVRG
gamma-Chlordane	865155.00	879590.00	0.01	1.67	20.00	AVRG
alpha-Chlordane	736405.00	744270.00	0.01	1.07	20.00	AVRG
Decachlorobiphenyl	535698.75	512292.50	0.01	-4.37	20.00	AVRG
Tetrachloro-m-Xylene	708805.00	763395.00	0.01	7.70	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date: 06/11/10 Time: 0901

Lab File ID: 035ISEQ-CCV3 Init. Calib. Date(s): 06/10/10 06/10/10

Init. Calib. Times: 1758 1955

GC Column: CLPEST ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Aldrin	4480730.0	4289510.0	0.01	-4.27	20.00	AVRG	
alpha-BHC	5709947.5	5447762.5	0.01	-4.59	20.00	AVRG	
beta-BHC	1878412.5	1504482.5	0.01	-19.91	20.00	AVRG	
delta-BHC	4983577.5	3959287.5	0.01	-20.55	20.00	AVRG	<-
gamma-BHC (Lindane)	5248525.0	4918850.0	0.01	-6.28	20.00	AVRG	
4,4'-DDD	2594562.5	2443446.2	0.01	-5.82	20.00	AVRG	
4,4'-DDE	3488363.7	2905241.2	0.01	-16.72	20.00	AVRG	
4,4'-DDT	2895586.2	2374823.8	0.01	-17.98	20.00	AVRG	
Dieldrin	3622591.2	3299208.8	0.01	-8.93	20.00	AVRG	
Endosulfan I	3581307.5	4355197.5	0.01	21.61	20.00	AVRG	<-
Endosulfan II	2950277.5	2650021.2	0.01	-10.18	20.00	AVRG	
Endosulfan sulfate	2454690.0	1955181.2	0.01	-20.35	20.00	AVRG	<-
Endrin	2848850.0	2863507.5	0.01	0.51	20.00	AVRG	
Endrin Aldehyde	2244868.8	1859138.8	0.01	-17.18	20.00	AVRG	
Heptachlor	4844272.5	4664822.5	0.01	-3.70	20.00	AVRG	
Heptachlor Epoxide	4017505.0	3704235.0	0.01	-7.80	20.00	AVRG	
Methoxychlor	1161131.7	947931.00	0.01	-18.36	20.00	AVRG	
Endrin Ketone	2916991.3	2270927.5	0.01	-22.15	20.00	AVRG	<-
gamma-Chlordane	4028032.5	3707265.0	0.01	-7.96	20.00	AVRG	
alpha-Chlordane	3452365.0	3178597.5	0.01	-7.93	20.00	AVRG	
Decachlorobiphenyl	2320776.3	1775085.0	0.01	-23.51	20.00	AVRG	<-
Tetrachloro-m-Xylene	2945397.5	2922710.0	0.01	-0.77	20.00	AVRG	

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: TRACEGC82 Calibration Date: 06/11/10 Time: 0901

Lab File ID: 035ISEQ-CCV3 Init. Calib. Date(s): 06/10/10 06/10/10

Init. Calib. Times: 1758 1955

GC Column: CLPEST2 ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	934385.00	945150.00	0.01	1.15	20.00	AVRG
beta-BHC	437132.50	398100.00	0.01	-8.93	20.00	AVRG
alpha-BHC	1189972.5	1211300.0	0.01	1.79	20.00	AVRG
delta-BHC	1032470.0	897100.00	0.01	-13.11	20.00	AVRG
gamma-BHC (Lindane)	1121952.5	1119200.0	0.01	-0.24	20.00	AVRG
4,4'-DDD	531488.75	486175.00	0.01	-8.52	20.00	AVRG
4,4'-DDE	742671.25	756650.00	0.01	1.88	20.00	AVRG
4,4'-DDT	587787.50	503425.00	0.01	-14.35	20.00	AVRG
Dieldrin	743382.50	713225.00	0.01	-4.06	20.00	AVRG
Endosulfan I	789087.50	761050.00	0.01	-3.55	20.00	AVRG
Endosulfan II	626482.50	570100.00	0.01	-9.00	20.00	AVRG
Endosulfan sulfate	546188.75	457675.00	0.01	-16.20	20.00	AVRG
Endrin	615390.00	618750.00	0.01	0.54	20.00	AVRG
Endrin Aldehyde	494933.75	406975.00	0.01	-17.77	20.00	AVRG
Heptachlor	996999.78	1109350.0	0.01	11.27	20.00	AVRG
Heptachlor Epoxide	854657.50	835800.00	0.01	-2.21	20.00	AVRG
Methoxychlor	231682.25	200655.00	0.01	-13.39	20.00	AVRG
Endrin Ketone	610811.25	513850.00	0.01	-15.87	20.00	AVRG
gamma-Chlordane	865155.00	836350.00	0.01	-3.33	20.00	AVRG
alpha-Chlordane	736405.00	701600.00	0.01	-4.73	20.00	AVRG
Decachlorobiphenyl	535698.75	452875.00	0.01	-15.46	20.00	AVRG
Tetrachloro-m-Xylene	708805.00	749900.00	0.01	5.80	20.00	AVRG

FORM VII PEST

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 06/01/10 06/01/10

EPA Sample No.(PIBLK): _____ Date Analyzed :_____

Lab Sample ID (PIBLK): _____ Time Analyzed :_____

EPA Sample No.(PEM): PEMFA Date Analyzed :06/01/10

Lab Sample ID (PEM): 0F01010-PEM1 Time Analyzed :1647

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD				
4,4'-DDE	15.40	15.34	15.48	387
4,4'-DDT	17.34	17.27	17.41	48767
Endrin	16.57	16.51	16.65	36537
Endrin Aldehyde	18.00	17.93	18.07	497
Endrin Ketone	19.57	19.50	19.64	610

4,4'-DDT % breakdown (1): 0.787 Endrin % breakdown (1): 2.94

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 06/01/10 06/01/10

EPA Sample No.(PIBLK): _____ Date Analyzed :_____

Lab Sample ID (PIBLK): _____ Time Analyzed :_____

EPA Sample No.(PEM): PEMFA Date Analyzed :06/01/10

Lab Sample ID (PEM): 0F01010-PEM1 Time Analyzed :1647

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	16.95	16.87	17.02	71
4,4'-DDE	15.69	15.61	15.75	149
4,4'-DDT	17.62	17.55	17.69	14640
Endrin	16.67	16.60	16.74	11936
Endrin Aldehyde	17.88	17.80	17.95	206
Endrin Ketone	19.62	19.55	19.69	176

4,4'-DDT % breakdown (1): 1.48 Endrin % breakdown (1): 3.10

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 06/01/10 06/01/10

EPA Sample No.(PIBLK): PIBLKFC Date Analyzed :06/01/10

Lab Sample ID (PIBLK): SEQ-CCB1 Time Analyzed :2138

EPA Sample No.(PEM): PEMFD Date Analyzed :06/01/10

Lab Sample ID (PEM): SEQ-PEM1 Time Analyzed :2236

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD				
4,4'-DDE	15.40	15.34	15.48	413
4,4'-DDT	17.34	17.27	17.41	49421
Endrin	16.58	16.51	16.65	37007
Endrin Aldehyde	18.00	17.93	18.07	804
Endrin Ketone	19.56	19.50	19.64	1241

4,4'-DDT % breakdown (1): 0.829 Endrin % breakdown (1): 5.24

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 06/01/10 06/01/10

EPA Sample No.(PIBLK): PIBLKFD Date Analyzed :06/01/10

Lab Sample ID (PIBLK): SEQ-CCB1 Time Analyzed :2138

EPA Sample No.(PEM): PEMFD Date Analyzed :06/01/10

Lab Sample ID (PEM): SEQ-PEM1 Time Analyzed :2236

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	16.95	16.87	17.02	237
4,4'-DDE	15.69	15.61	15.75	145
4,4'-DDT	17.62	17.55	17.69	14985
Endrin	16.67	16.60	16.74	12061
Endrin Aldehyde	17.87	17.80	17.95	366
Endrin Ketone	19.62	19.55	19.69	325

4,4'-DDT % breakdown (1): 2.48 Endrin % breakdown (1): 5.42

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 06/01/10 06/01/10

EPA Sample No.(PIBLK): PIBLKFE Date Analyzed :06/02/10

Lab Sample ID (PIBLK): SEQ-CCB2 Time Analyzed :0357

EPA Sample No.(PEM): PEMFF Date Analyzed :06/02/10

Lab Sample ID (PEM): SEQ-PEM2 Time Analyzed :0455

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	16.74	16.66	16.80	400
4,4'-DDE	15.40	15.34	15.48	548
4,4'-DDT	17.34	17.27	17.41	50788
Endrin	16.58	16.51	16.65	38009
Endrin Aldehyde	18.00	17.93	18.07	1163
Endrin Ketone	19.56	19.50	19.64	1669

4,4'-DDT % breakdown (1): 1.83 Endrin % breakdown (1): 6.93

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 06/01/10 06/01/10

EPA Sample No.(PIBLK): PIBLKFF Date Analyzed :06/02/10

Lab Sample ID (PIBLK): SEQ-CCB2 Time Analyzed :0357

EPA Sample No.(PEM): PEMFF Date Analyzed :06/02/10

Lab Sample ID (PEM): SEQ-PEM2 Time Analyzed :0455

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	16.94	16.87	17.02	162
4,4'-DDE	15.68	15.61	15.75	152
4,4'-DDT	17.62	17.55	17.69	15044
Endrin	16.67	16.60	16.74	11943
Endrin Aldehyde	17.87	17.80	17.95	351
Endrin Ketone	19.62	19.55	19.69	475

4,4'-DDT % breakdown (1): 2.04 Endrin % breakdown (1): 6.47

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 06/01/10 06/01/10

EPA Sample No.(PIBLK): PIBLKFG Date Analyzed :06/02/10

Lab Sample ID (PIBLK): SEQ-CCB3 Time Analyzed :1015

EPA Sample No.(PEM): PEMFH Date Analyzed :06/02/10

Lab Sample ID (PEM): SEQ-PEM3 Time Analyzed :1113

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	16.75	16.66	16.80	1095
4,4'-DDE	15.41	15.34	15.48	640
4,4'-DDT	17.35	17.27	17.41	49829
Endrin	16.58	16.51	16.65	39767
Endrin Aldehyde	18.00	17.93	18.07	1005
Endrin Ketone	19.57	19.50	19.64	1556

4,4'-DDT % breakdown (1): 3.36 Endrin % breakdown (1): 6.05

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 06/01/10 06/01/10

EPA Sample No.(PIBLK): PIBLKFH Date Analyzed :06/02/10

Lab Sample ID (PIBLK): SEQ-CCB3 Time Analyzed :1015

EPA Sample No.(PEM): PEMFH Date Analyzed :06/02/10

Lab Sample ID (PEM): SEQ-PEM3 Time Analyzed :1113

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	16.96	16.87	17.02	384
4,4'-DDE	15.69	15.61	15.75	191
4,4'-DDT	17.62	17.55	17.69	14656
Endrin	16.67	16.60	16.74	12317
Endrin Aldehyde	17.88	17.80	17.95	282
Endrin Ketone	19.62	19.55	19.69	460

4,4'-DDT % breakdown (1): 3.78 Endrin % breakdown (1): 5.68

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 06/01/10 06/01/10

EPA Sample No.(PIBLK): PIBLKFI Date Analyzed :06/02/10

Lab Sample ID (PIBLK): SEQ-CCB4 Time Analyzed :1634

EPA Sample No.(PEM): PEMFJ Date Analyzed :06/02/10

Lab Sample ID (PEM): SEQ-PEM4 Time Analyzed :1732

PEM COMPOUND	RT	RT WINDOW FROM	TO	AREA
4,4'-DDD	16.76	16.66	16.80	1421
4,4'-DDE	15.40	15.34	15.48	539
4,4'-DDT	17.35	17.27	17.41	49506
Endrin	16.57	16.51	16.65	38789
Endrin Aldehyde	18.00	17.93	18.07	1214
Endrin Ketone	19.57	19.50	19.64	2217

4,4'-DDT % breakdown (1): 3.81 Endrin % breakdown (1): 8.13

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 06/01/10 06/01/10

EPA Sample No.(PIBLK): PIBLKFJ Date Analyzed :06/02/10

Lab Sample ID (PIBLK): SEQ-CCB4 Time Analyzed :1634

EPA Sample No.(PEM): PEMFJ Date Analyzed :06/02/10

Lab Sample ID (PEM): SEQ-PEM4 Time Analyzed :1732

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	16.96	16.87	17.02	456
4,4'-DDE	15.69	15.61	15.75	161
4,4'-DDT	17.62	17.55	17.69	14425
Endrin	16.67	16.60	16.74	12050
Endrin Aldehyde	17.88	17.80	17.95	368
Endrin Ketone	19.63	19.55	19.69	572

4,4'-DDT % breakdown (1): 4.10 Endrin % breakdown (1): 7.24

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 06/01/10 06/01/10

EPA Sample No.(PIBLK): PIBLKFK Date Analyzed :06/02/10

Lab Sample ID (PIBLK): SEQ-CCB1 Time Analyzed :2252

EPA Sample No.(PEM): PEMFL Date Analyzed :06/02/10

Lab Sample ID (PEM): SEQ-PEM1 Time Analyzed :2351

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	16.77	16.66	16.80	1837
4,4'-DDE				
4,4'-DDT	17.35	17.27	17.41	47445
Endrin	16.57	16.51	16.65	39250
Endrin Aldehyde	18.00	17.93	18.07	1226
Endrin Ketone	19.57	19.50	19.64	2133

4,4'-DDT % breakdown (1): 3.73 Endrin % breakdown (1): 7.88

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 06/01/10 06/01/10

EPA Sample No.(PIBLK): PIBLKFL Date Analyzed :06/02/10

Lab Sample ID (PIBLK): SEQ-CCB1 Time Analyzed :2252

EPA Sample No.(PEM): PEMFL Date Analyzed :06/02/10

Lab Sample ID (PEM): SEQ-PEM1 Time Analyzed :2351

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	16.97	16.87	17.02	595
4,4'-DDE	15.69	15.61	15.75	138
4,4'-DDT	17.63	17.55	17.69	13650
Endrin	16.67	16.60	16.74	12087
Endrin Aldehyde	17.87	17.80	17.95	373
Endrin Ketone	19.62	19.55	19.69	568

4,4'-DDT % breakdown (1): 5.10 Endrin % breakdown (1): 7.22

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 06/01/10 06/01/10

EPA Sample No.(PIBLK): PIBLKFM Date Analyzed :06/03/10

Lab Sample ID (PIBLK): SEQ-CCB2 Time Analyzed :0442

EPA Sample No.(PEM): PEMFN Date Analyzed :06/03/10

Lab Sample ID (PEM): SEQ-PEM2 Time Analyzed :0540

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	16.78	16.66	16.80	2071
4,4'-DDE				
4,4'-DDT	17.36	17.27	17.41	47798
Endrin	16.57	16.51	16.65	39000
Endrin Aldehyde	18.00	17.93	18.07	1659
Endrin Ketone	19.57	19.50	19.64	2486

4,4'-DDT % breakdown (1): 4.15 Endrin % breakdown (1): 9.61

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 06/01/10 06/01/10

EPA Sample No.(PIBLK): PIBLKFN Date Analyzed :06/03/10

Lab Sample ID (PIBLK): SEQ-CCB2 Time Analyzed :0442

EPA Sample No.(PEM): PEMFN Date Analyzed :06/03/10

Lab Sample ID (PEM): SEQ-PEM2 Time Analyzed :0540

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	16.97	16.87	17.02	712
4,4'-DDE	15.69	15.61	15.75	239
4,4'-DDT	17.63	17.55	17.69	13537
Endrin	16.67	16.60	16.74	11776
Endrin Aldehyde	17.88	17.80	17.95	429
Endrin Ketone	19.62	19.55	19.69	737

4,4'-DDT % breakdown (1): 6.56 Endrin % breakdown (1): 9.01

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 06/01/10 06/01/10

EPA Sample No.(PIBLK): PIBLKFO Date Analyzed :06/03/10

Lab Sample ID (PIBLK): SEQ-IBL3 Time Analyzed :1359

EPA Sample No.(PEM): PEMFP Date Analyzed :06/03/10

Lab Sample ID (PEM): SEQ-PEM3 Time Analyzed :1426

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD				
4,4'-DDE	15.29	15.22	15.37	496
4,4'-DDT	17.23	17.16	17.30	54909
Endrin	16.46	16.39	16.53	43004
Endrin Aldehyde	17.89	17.81	17.95	482
Endrin Ketone	19.45	19.37	19.51	548

4,4'-DDT % breakdown (1): 0.895 Endrin % breakdown (1): 2.34

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 06/01/10 06/01/10

EPA Sample No.(PIBLK): PIBLKFP Date Analyzed :06/03/10

Lab Sample ID (PIBLK): SEQ-IBL3 Time Analyzed :1359

EPA Sample No.(PEM): PEMFP Date Analyzed :06/03/10

Lab Sample ID (PEM): SEQ-PEM3 Time Analyzed :1426

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD				
4,4'-DDE	15.58	15.51	15.64	155
4,4'-DDT	17.51	17.44	17.58	14363
Endrin	16.56	16.49	16.63	11924
Endrin Aldehyde	17.76	17.69	17.83	110
Endrin Ketone	19.51	19.43	19.57	89

4,4'-DDT % breakdown (1): 1.07 Endrin % breakdown (1): 1.64

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 06/08/10 06/08/10

EPA Sample No.(PIBLK): _____ Date Analyzed :_____

Lab Sample ID (PIBLK): _____ Time Analyzed :_____

EPA Sample No.(PEM): PEMHA Date Analyzed :06/08/10

Lab Sample ID (PEM): 0F08011-PEM1 Time Analyzed :1502

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD				
4,4'-DDE	15.39	15.32	15.46	353
4,4'-DDT	17.34	17.27	17.41	57724
Endrin	16.57	16.50	16.64	46862
Endrin Aldehyde	18.00	17.93	18.07	973
Endrin Ketone	19.57	19.51	19.65	1190

4,4'-DDT % breakdown (1): 0.608 Endrin % breakdown (1): 4.41

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 06/08/10 06/08/10

EPA Sample No.(PIBLK): _____ Date Analyzed :_____

Lab Sample ID (PIBLK): _____ Time Analyzed :_____

EPA Sample No.(PEM): PEMHA Date Analyzed :06/08/10

Lab Sample ID (PEM): 0F08011-PEM1 Time Analyzed :1502

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD				
4,4'-DDE	15.66	15.58	15.72	145
4,4'-DDT	17.59	17.52	17.66	13609
Endrin	16.64	16.57	16.71	11810
Endrin Aldehyde	17.84	17.77	17.91	143
Endrin Ketone	19.59	19.52	19.66	252

4,4'-DDT % breakdown (1): 1.05 Endrin % breakdown (1): 3.24

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 06/08/10 06/08/10

EPA Sample No.(PIBLK): PIBLKHE Date Analyzed :06/09/10

Lab Sample ID (PIBLK): SEQ-CCB2 Time Analyzed :1429

EPA Sample No.(PEM): PEMHF Date Analyzed :06/09/10

Lab Sample ID (PEM): SEQ-PEM2 Time Analyzed :1528

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	16.72	16.66	16.80	354
4,4'-DDE	15.39	15.32	15.46	492
4,4'-DDT	17.34	17.27	17.41	66090
Endrin	16.56	16.50	16.64	50286
Endrin Aldehyde	18.00	17.93	18.07	2578
Endrin Ketone	19.58	19.51	19.65	2911

4,4'-DDT % breakdown (1): 1.26 Endrin % breakdown (1): 9.84

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 06/08/10 06/08/10

EPA Sample No.(PIBLK): PIBLKHF Date Analyzed :06/09/10

Lab Sample ID (PIBLK): SEQ-CCB2 Time Analyzed :1429

EPA Sample No.(PEM): PEMHF Date Analyzed :06/09/10

Lab Sample ID (PEM): SEQ-PEM2 Time Analyzed :1528

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD				
4,4'-DDE	15.65	15.58	15.72	155
4,4'-DDT	17.59	17.52	17.66	14831
Endrin	16.64	16.57	16.71	12022
Endrin Aldehyde	17.84	17.77	17.91	772
Endrin Ketone	19.59	19.52	19.66	646

4,4'-DDT % breakdown (1): 1.03 Endrin % breakdown (1): 10.6

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 06/08/10 06/08/10

EPA Sample No.(PIBLK): PIBLKHG Date Analyzed :06/09/10

Lab Sample ID (PIBLK): SEQ-CCB3 Time Analyzed :2048

EPA Sample No.(PEM): PEMHH Date Analyzed :06/09/10

Lab Sample ID (PEM): SEQ-PEM3 Time Analyzed :2146

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD				
4,4'-DDE				
4,4'-DDT	17.39	17.27	17.41	38584
Endrin	16.56	16.50	16.64	49182
Endrin Aldehyde	18.00	17.93	18.07	681
Endrin Ketone				

4,4'-DDT % breakdown (1): 0.00 Endrin % breakdown (1): 1.36

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 06/08/10 06/08/10

EPA Sample No.(PIBLK): PIBLKHH Date Analyzed :06/09/10

Lab Sample ID (PIBLK): SEQ-CCB3 Time Analyzed :2048

EPA Sample No.(PEM): PEMHH Date Analyzed :06/09/10

Lab Sample ID (PEM): SEQ-PEM3 Time Analyzed :2146

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD				
4,4'-DDE	15.69	15.58	15.72	52
4,4'-DDT	17.61	17.52	17.66	8473
Endrin	16.64	16.57	16.71	11695
Endrin Aldehyde	17.86	17.77	17.91	436
Endrin Ketone	19.60	19.52	19.66	248

4,4'-DDT % breakdown (1): 0.610 Endrin % breakdown (1): 5.52

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 06/10/10 06/10/10

EPA Sample No.(PIBLK): _____ Date Analyzed :_____

Lab Sample ID (PIBLK): _____ Time Analyzed :_____

EPA Sample No.(PEM): PEMIA Date Analyzed :06/10/10

Lab Sample ID (PEM): 0F10017-PEM1 Time Analyzed :1729

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD				
4,4'-DDE	15.46	15.39	15.53	703
4,4'-DDT	17.41	17.34	17.48	81548
Endrin	16.63	16.56	16.70	62289
Endrin Aldehyde	18.06	18.00	18.14	1844
Endrin Ketone	19.64	19.57	19.71	2536

4,4'-DDT % breakdown (1): 0.855 Endrin % breakdown (1): 6.57

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 06/10/10 06/10/10

EPA Sample No.(PIBLK): _____ Date Analyzed :_____

Lab Sample ID (PIBLK): _____ Time Analyzed :_____

EPA Sample No.(PEM): PEMIA Date Analyzed :06/10/10

Lab Sample ID (PEM): 0F10017-PEM1 Time Analyzed :1729

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD				
4,4'-DDE	15.73	15.66	15.80	126
4,4'-DDT	17.66	17.59	17.73	16813
Endrin	16.72	16.65	16.79	13950
Endrin Aldehyde	17.93	17.85	17.99	350
Endrin Ketone	19.67	19.60	19.74	539

4,4'-DDT % breakdown (1): 0.744 Endrin % breakdown (1): 5.99

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 06/10/10 06/10/10

EPA Sample No.(PIBLK): PIBLKIC Date Analyzed :06/10/10

Lab Sample ID (PIBLK): SEQ-CCB1 Time Analyzed :2220

EPA Sample No.(PEM): PEMID Date Analyzed :06/10/10

Lab Sample ID (PEM): SEQ-PEM1 Time Analyzed :2318

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	16.79	16.72	16.86	413
4,4'-DDE	15.45	15.39	15.53	949
4,4'-DDT	17.40	17.34	17.48	83262
Endrin	16.63	16.56	16.70	60665
Endrin Aldehyde	18.06	18.00	18.14	3675
Endrin Ketone	19.63	19.57	19.71	4100

4,4'-DDT % breakdown (1): 1.61 Endrin % breakdown (1): 11.4

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 06/10/10 06/10/10

EPA Sample No.(PIBLK): PIBLKID Date Analyzed :06/10/10

Lab Sample ID (PIBLK): SEQ-CCB1 Time Analyzed :2220

EPA Sample No.(PEM): PEMID Date Analyzed :06/10/10

Lab Sample ID (PEM): SEQ-PEM1 Time Analyzed :2318

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	16.99	16.92	17.06	69
4,4'-DDE	15.72	15.66	15.80	197
4,4'-DDT	17.66	17.59	17.73	17377
Endrin	16.72	16.65	16.79	13861
Endrin Aldehyde	17.92	17.85	17.99	850
Endrin Ketone	19.67	19.60	19.74	920

4,4'-DDT % breakdown (1): 1.51 Endrin % breakdown (1): 11.3

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 06/10/10 06/10/10

EPA Sample No.(PIBLK): PIBLKIE Date Analyzed :06/11/10

Lab Sample ID (PIBLK): SEQ-CCB2 Time Analyzed :0439

EPA Sample No.(PEM): PEMIF Date Analyzed :06/11/10

Lab Sample ID (PEM): SEQ-PEM2 Time Analyzed :0537

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	16.79	16.72	16.86	1061
4,4'-DDE	15.45	15.39	15.53	1475
4,4'-DDT	17.41	17.34	17.48	83355
Endrin	16.63	16.56	16.70	67323
Endrin Aldehyde	18.06	18.00	18.14	2603
Endrin Ketone	19.64	19.57	19.71	2364

4,4'-DDT % breakdown (1): 2.95 Endrin % breakdown (1): 6.87

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 06/10/10 06/10/10

EPA Sample No.(PIBLK): PIBLKIF Date Analyzed :06/11/10

Lab Sample ID (PIBLK): SEQ-CCB2 Time Analyzed :0439

EPA Sample No.(PEM): PEMIF Date Analyzed :06/11/10

Lab Sample ID (PEM): SEQ-PEM2 Time Analyzed :0537

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	16.99	16.92	17.06	263
4,4'-DDE	15.73	15.66	15.80	309
4,4'-DDT	17.66	17.59	17.73	17182
Endrin	16.72	16.65	16.79	15038
Endrin Aldehyde	17.92	17.85	17.99	664
Endrin Ketone	19.67	19.60	19.74	544

4,4'-DDT % breakdown (1): 3.22 Endrin % breakdown (1): 7.44

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 06/10/10 06/10/10

EPA Sample No.(PIBLK): PIBLKIGIH Date Analyzed :06/11/10

Lab Sample ID (PIBLK): SEQ-CCB3 Time Analyzed :0831

EPA Sample No.(PEM): PEMIH Date Analyzed :06/11/10

Lab Sample ID (PEM): SEQ-PEM3 Time Analyzed :0930

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD				
4,4'-DDE				
4,4'-DDT	17.42	17.34	17.48	68970
Endrin	16.63	16.56	16.70	64109
Endrin Aldehyde	18.06	18.00	18.14	2404
Endrin Ketone	19.64	19.57	19.71	2025

4,4'-DDT % breakdown (1): 0.00 Endrin % breakdown (1): 6.46

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 06/10/10 06/10/10

EPA Sample No.(PIBLK): PIBLKIH Date Analyzed :06/11/10

Lab Sample ID (PIBLK): SEQ-CCB3 Time Analyzed :0831

EPA Sample No.(PEM): PEMIH Date Analyzed :06/11/10

Lab Sample ID (PEM): SEQ-PEM3 Time Analyzed :0930

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD				
4,4'-DDE				
4,4'-DDT	17.68	17.59	17.73	15406
Endrin	16.72	16.65	16.79	14817
Endrin Aldehyde	17.93	17.85	17.99	464
Endrin Ketone	19.67	19.60	19.74	511

4,4'-DDT % breakdown (1): 0.00 Endrin % breakdown (1): 6.17

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

c. Analytical Sequence (Form VIII)

For all GC columns, all instruments, in chronological order by GC column and instrument

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 06/01/10 06/01/10

Instrument ID: TRACEGC82

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
DCB: 21.86 TCX: 8.80

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01	PEMFA	0F01010-PEM1	06/01/10	1647	21.85	8.78
02	INDC1FA	0F01010-CAL1	06/01/10	1716	21.85	8.80
03	INDC2FA	0F01010-CAL2	06/01/10	1745	21.86	8.78
04	INDC3FA	0F01010-CAL3	06/01/10	1814	21.86	8.78
05	INDC4FA	0F01010-CAL4	06/01/10	1843	21.84	8.80
06	INDC5FA	0F01010-CAL5	06/01/10	1913	21.86	8.80
07	TOXAPH3FA	0F01010-ARC1	06/01/10	1942	21.85	8.80
08	CHLORO3FA	0F01010-ARC2	06/01/10	2011	21.85	8.78
09	PIBLKFC	SEQ-CCB1	06/01/10	2138	21.86	8.80
10	INDC3FD	SEQ-CCV1	06/01/10	2207	21.86	8.78
11	PEMFD	SEQ-PEM1	06/01/10	2236	21.86	8.80
12	PBLKBO	0051919-BLK1	06/01/10	2305	21.86	8.80
13	PBOLCS	0051919-BS1	06/01/10	2334	21.86	8.80
14	PBOLCSD	0051919-BSD1	06/02/10	0004	21.86	8.80
15	SS73-0-1MS	0051919-MS2	06/02/10	0102	21.86	8.80
16	SS73-0-1MSD	0051919-MSD2	06/02/10	0200	21.86	8.80
17	PIBLKFE	SEQ-CCB2	06/02/10	0357	21.86	8.80
18	INDC3FF	SEQ-CCV2	06/02/10	0426	21.86	8.80
19	PEMFF	SEQ-PEM2	06/02/10	0455	21.86	8.80
20	PIBLKFG	SEQ-CCB3	06/02/10	1015	21.86	8.80
21	INDC3FH	SEQ-CCV3	06/02/10	1044	21.86	8.80
22	PEMFH	SEQ-PEM3	06/02/10	1113	21.86	8.80
23	SS73-0-1	1005133-01	06/02/10	1310	21.87	8.80
24	PIBLKFI	SEQ-CCB4	06/02/10	1634	21.87	8.80
25	INDC3FJ	SEQ-CCV4	06/02/10	1703	21.86	8.80
26	PEMFJ	SEQ-PEM4	06/02/10	1732	21.86	8.80
27	PIBLKFK	SEQ-CCB1	06/02/10	2252	21.86	8.80
28	INDC3FL	SEQ-CCV1	06/02/10	2321	21.86	8.80
29	PEMFL	SEQ-PEM1	06/02/10	2351	21.87	8.80
30	PCFLCS	0052408-BS1	06/03/10	0049	21.86	8.80
31	PCFLCSD	0052408-BSD1	06/03/10	0118	21.86	8.80
32	SB74-4-5	1005133-02	06/03/10	0147	21.86	8.80

QC LIMITS
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 06/01/10 06/01/10

Instrument ID: TRACEGC82

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
DCB: 21.86 TCX: 8.80

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01	SS75-0-1	1005133-03	06/03/10	0216	21.86	8.80
02	SB75-3.5-4.5	1005133-04	06/03/10	0245	21.86	8.80
03	SS63-0-1	1005133-05	06/03/10	0314	21.86	8.80
04	SB63-5.5-6.5	1005133-06	06/03/10	0344	21.86	8.80
05	PIBLKFM	SEQ-CCB2	06/03/10	0442	21.86	8.80
06	INDC3FN	SEQ-CCV2	06/03/10	0511	21.86	8.80
07	PEMFN	SEQ-PEM2	06/03/10	0540	21.86	8.80
08	SS61-0-1	1005133-07	06/03/10	0609	21.86	8.80
09	SS61D-0-1	1005133-08	06/03/10	0638	21.86	8.80
10	SB61-6-7	1005133-09	06/03/10	0707	21.86	8.80
11	SB61D-6-7	1005133-10	06/03/10	0737	21.85	8.80
12	SS72-0-1	1005133-12	06/03/10	0835	21.86	8.80
13	SB72-2-3	1005133-13	06/03/10	0904	21.86	8.80
14	INDC3FP	SEQ-CCV3	06/03/10	1308	21.71*	8.70*
15	PIBLKFO	SEQ-IBL3	06/03/10	1359	21.71*	8.69*
16	PEMFP	SEQ-PEM3	06/03/10	1426	21.72*	8.70*
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

QC LIMITS

DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 06/01/10 06/01/10

Instrument ID: TRACEGC82

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
DCB: 22.54 TCX: 8.66

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01	PEMFA	0F01010-PEM1	06/01/10	1647	22.54	8.64
02	INDC1FA	0F01010-CAL1	06/01/10	1716	22.54	8.66
03	INDC2FA	0F01010-CAL2	06/01/10	1745	22.54	8.64
04	INDC3FA	0F01010-CAL3	06/01/10	1814	22.54	8.64
05	INDC4FA	0F01010-CAL4	06/01/10	1843	22.54	8.66
06	INDC5FA	0F01010-CAL5	06/01/10	1913	22.54	8.66
07	TOXAPH3FA	0F01010-ARC1	06/01/10	1942	22.54	8.66
08	CHLORO3FA	0F01010-ARC2	06/01/10	2011	22.54	8.64
09	PIBLKFD	SEQ-CCB1	06/01/10	2138	22.54	8.66
10	INDC3FD	SEQ-CCV1	06/01/10	2207	22.54	8.64
11	PEMFD	SEQ-PEM1	06/01/10	2236	22.54	8.66
12	PBLKBO	0051919-BLK1	06/01/10	2305	22.54	8.66
13	PBOLCS	0051919-BS1	06/01/10	2334	22.54	8.66
14	PBOLCSD	0051919-BSD1	06/02/10	0004	22.54	8.66
15	SS73-0-1MS	0051919-MS2	06/02/10	0102	22.54	8.66
16	SS73-0-1MSD	0051919-MSD2	06/02/10	0200	22.54	8.66
17	PIBLKFF	SEQ-CCB2	06/02/10	0357	22.54	8.66
18	INDC3FF	SEQ-CCV2	06/02/10	0426	22.54	8.66
19	PEMFF	SEQ-PEM2	06/02/10	0455	22.54	8.66
20	PIBLKFH	SEQ-CCB3	06/02/10	1015	22.55	8.66
21	INDC3FH	SEQ-CCV3	06/02/10	1044	22.54	8.66
22	PEMFH	SEQ-PEM3	06/02/10	1113	22.54	8.66
23	SS73-0-1	1005133-01	06/02/10	1310	22.55	8.66
24	PIBLKFJ	SEQ-CCB4	06/02/10	1634	22.55	8.66
25	INDC3FJ	SEQ-CCV4	06/02/10	1703	22.54	8.66
26	PEMFJ	SEQ-PEM4	06/02/10	1732	22.55	8.66
27	PIBLKFL	SEQ-CCB1	06/02/10	2252	22.54	8.66
28	INDC3FL	SEQ-CCV1	06/02/10	2321	22.54	8.66
29	PEMFL	SEQ-PEM1	06/02/10	2351	22.54	8.66
30	PCFLCS	0052408-BS1	06/03/10	0049	22.54	8.66
31	PCFLCSD	0052408-BSD1	06/03/10	0118	22.54	8.66
32	SB74-4-5	1005133-02	06/03/10	0147	22.54	8.66

QC LIMITS
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 06/01/10 06/01/10

Instrument ID: TRACEGC82

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
DCB: 22.54 TCX: 8.66

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01	SS75-0-1	1005133-03	06/03/10	0216	22.54	8.66
02	SB75-3.5-4.5	1005133-04	06/03/10	0245	22.54	8.66
03	SS63-0-1	1005133-05	06/03/10	0314	22.54	8.66
04	SB63-5.5-6.5	1005133-06	06/03/10	0344	22.54	8.66
05	PIBLKFN	SEQ-CCB2	06/03/10	0442	22.54	8.66
06	INDC3FN	SEQ-CCV2	06/03/10	0511	22.54	8.66
07	PEMFN	SEQ-PEM2	06/03/10	0540	22.55	8.66
08	SS61-0-1	1005133-07	06/03/10	0609	22.54	8.66
09	SS61D-0-1	1005133-08	06/03/10	0638	22.54	8.66
10	SB61-6-7	1005133-09	06/03/10	0707	22.54	8.66
11	SB61D-6-7	1005133-10	06/03/10	0737	22.54	8.66
12	SS72-0-1	1005133-12	06/03/10	0835	22.54	8.66
13	SB72-2-3	1005133-13	06/03/10	0904	22.54	8.66
14	INDC3FP	SEQ-CCV3	06/03/10	1308	22.38*	8.56*
15	PIBLKFP	SEQ-IBL3	06/03/10	1359	22.38*	8.56*
16	PEMFP	SEQ-PEM3	06/03/10	1426	22.39*	8.56*
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QC LIMITS

DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 06/08/10 06/08/10

Instrument ID: TRACEGC82

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
DCB: 21.91 TCX: 8.77

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01	PEMHA	0F08011-PEM1	06/08/10	1502	21.91	8.77
02	INDC1HA	0F08011-CAL1	06/08/10	1531	21.91	8.77
03	INDC2HA	0F08011-CAL2	06/08/10	1600	21.91	8.76
04	INDC3HA	0F08011-CAL3	06/08/10	1629	21.91	8.77
05	INDC4HA	0F08011-CAL4	06/08/10	1658	21.91	8.77
06	INDC5HA	0F08011-CAL5	06/08/10	1727	21.91	8.77
07	CHLORO3HA	0F08011-ARC1	06/08/10	1757	21.90	8.77
08	TOXAPH3HA	0F08011-ARC2	06/08/10	1826	21.90	8.77
09	PIBLKHE	SEQ-CCB2	06/09/10	1429	21.91	8.77
10	INDC3HF	SEQ-CCV2	06/09/10	1459	21.91	8.77
11	PEMHF	SEQ-PEM2	06/09/10	1528	21.91	8.77
12	SS76-0-1	1005133-16	06/09/10	1753	21.91	8.77
13	SS68-0-1	1005133-20	06/09/10	1950	21.91	8.78
14	PIBLKHG	SEQ-CCB3	06/09/10	2048	21.95	8.76
15	INDC3HH	SEQ-CCV3	06/09/10	2117	21.94	8.77
16	PEMHH	SEQ-PEM3	06/09/10	2146	21.94	8.77
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QC LIMITS

DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 06/08/10 06/08/10

Instrument ID: TRACEGC82

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
DCB: 22.50 TCX: 8.63

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01	PEMHA	0F08011-PEM1	06/08/10	1502	22.50	8.63
02	INDC1HA	0F08011-CAL1	06/08/10	1531	22.50	8.63
03	INDC2HA	0F08011-CAL2	06/08/10	1600	22.50	8.63
04	INDC3HA	0F08011-CAL3	06/08/10	1629	22.50	8.63
05	INDC4HA	0F08011-CAL4	06/08/10	1658	22.50	8.63
06	INDC5HA	0F08011-CAL5	06/08/10	1727	22.50	8.63
07	CHLORO3HA	0F08011-ARC1	06/08/10	1757	22.50	8.63
08	TOXAPH3HA	0F08011-ARC2	06/08/10	1826	22.50	8.63
09	PIBLKHF	SEQ-CCB2	06/09/10	1429	22.49	8.63
10	INDC3HF	SEQ-CCV2	06/09/10	1459	22.50	8.63
11	PEMHF	SEQ-PEM2	06/09/10	1528	22.50	8.63
12	SS76-0-1	1005133-16	06/09/10	1753	22.49	8.63
13	SS68-0-1	1005133-20	06/09/10	1950	22.50	8.63
14	PIBLKHH	SEQ-CCB3	06/09/10	2048	22.51	8.63
15	INDC3HH	SEQ-CCV3	06/09/10	2117	22.51	8.63
16	PEMHH	SEQ-PEM3	06/09/10	2146	22.51	8.63
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QC LIMITS
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 06/10/10 06/10/10

Instrument ID: TRACEGC82

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
DCB: 21.97 TCX: 8.84

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01	PEMIA	0F10017-PEM1	06/10/10	1729	21.97	8.83
02	INDC1IA	0F10017-CAL1	06/10/10	1758	21.97	8.84
03	INDC2IA	0F10017-CAL2	06/10/10	1828	21.97	8.83
04	INDC3IA	0F10017-CAL3	06/10/10	1857	21.97	8.84
05	INDC4IA	0F10017-CAL4	06/10/10	1926	21.97	8.84
06	INDC5IA	0F10017-CAL5	06/10/10	1955	21.97	8.84
07	TOXAPH3IA	0F10017-ARC1	06/10/10	2024	21.96	8.84
08	CHLORO3IA	0F10017-ARC2	06/10/10	2053	21.96	8.84
09	PIBLKIC	SEQ-CCB1	06/10/10	2220	21.96	8.83
10	INDC3ID	SEQ-CCV1	06/10/10	2249	21.96	8.83
11	PEMID	SEQ-PEM1	06/10/10	2318	21.96	8.83
12	PBLKCF	0052408-BLK1	06/10/10	2348	21.96	8.84
13	SS67-0-1	1005133-11	06/11/10	0017	21.95	8.84
14	SS67-0-1DL	1005133-11RE	06/11/10	0046	21.95	8.83
15	SB88-2.5-3.5	1005133-15	06/11/10	0115	21.96	8.83
16	SB76-6-7	1005133-17	06/11/10	0144	21.96	8.84
17	SS88-0-1	1005133-14	06/11/10	0213	21.97	8.83
18	SS88-0-1DL	1005133-14RE	06/11/10	0242	21.96	8.84
19	SS87-0-1	1005133-18	06/11/10	0311	21.97	8.84
20	SB87-3-4	1005133-19	06/11/10	0340	21.97	8.84
21	PIBLKIE	SEQ-CCB2	06/11/10	0439	21.97	8.83
22	INDC3IF	SEQ-CCV2	06/11/10	0508	21.97	8.83
23	PEMIF	SEQ-PEM2	06/11/10	0537	21.97	8.83
24	SS76-0-1RE	1005133-16RE	06/11/10	0606	21.97	8.83
25	SS76-0-1REDL	1005133-16RE	06/11/10	0635	21.96	8.83
26	SS68-0-1RE	1005133-20RE	06/11/10	0704	21.97	8.84
27	SS68-0-1REDL	1005133-20RE	06/11/10	0733	21.97	8.83
28	PIBLKIG	SEQ-CCB3	06/11/10	0831	21.98	8.84
29	INDC3IH	SEQ-CCV3	06/11/10	0901	21.98	8.84
30	PEMIH	SEQ-PEM3	06/11/10	0930	21.98	8.83
31						
32						

QC LIMITS

DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 06/10/10 06/10/10

Instrument ID: TRACEGC82

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
DCB: 22.60 TCX: 8.70

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01	PEMIA	0F10017-PEM1	06/10/10	1729	22.60	8.70
02	INDC1IA	0F10017-CAL1	06/10/10	1758	22.60	8.70
03	INDC2IA	0F10017-CAL2	06/10/10	1828	22.60	8.70
04	INDC3IA	0F10017-CAL3	06/10/10	1857	22.60	8.70
05	INDC4IA	0F10017-CAL4	06/10/10	1926	22.61	8.70
06	INDC5IA	0F10017-CAL5	06/10/10	1955	22.60	8.70
07	TOXAPH3IA	0F10017-ARC1	06/10/10	2024	22.60	8.70
08	CHLORO3IA	0F10017-ARC2	06/10/10	2053	22.60	8.70
09	PIBLKID	SEQ-CCB1	06/10/10	2220	22.60	8.70
10	INDC3ID	SEQ-CCV1	06/10/10	2249	22.60	8.70
11	PEMID	SEQ-PEM1	06/10/10	2318	22.60	8.70
12	PBLKCF	0052408-BLK1	06/10/10	2348	22.60	8.70
13	SS67-0-1	1005133-11	06/11/10	0017	22.60	8.71
14	SS67-0-1DL	1005133-11RE	06/11/10	0046	22.60	8.70
15	SB88-2.5-3.5	1005133-15	06/11/10	0115	22.60	8.70
16	SB76-6-7	1005133-17	06/11/10	0144	22.60	8.70
17	SS88-0-1	1005133-14	06/11/10	0213	22.61	8.70
18	SS88-0-1DL	1005133-14RE	06/11/10	0242	22.60	8.69
19	SS87-0-1	1005133-18	06/11/10	0311	22.61	8.70
20	SB87-3-4	1005133-19	06/11/10	0340	22.60	8.70
21	PIBLKIF	SEQ-CCB2	06/11/10	0439	22.60	8.70
22	INDC3IF	SEQ-CCV2	06/11/10	0508	22.60	8.70
23	PEMIF	SEQ-PEM2	06/11/10	0537	22.60	8.70
24	SS76-0-1RE	1005133-16RE	06/11/10	0606	22.60	8.70
25	SS76-0-1REDL	1005133-16RE	06/11/10	0635	22.60	8.70
26	SS68-0-1RE	1005133-20RE	06/11/10	0704	22.60	8.70
27	SS68-0-1REDL	1005133-20RE	06/11/10	0733	22.60	8.70
28	PIBLKIH	SEQ-CCB3	06/11/10	0831	22.61	8.70
29	INDC3IH	SEQ-CCV3	06/11/10	0901	22.61	8.70
30	PEMIH	SEQ-PEM3	06/11/10	0930	22.61	8.70
31						
32						

QC LIMITS
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

d. Identification Summary for Single Component Analytes (Form X)

For all samples with positively identified single component analytes, in order by increasing Client Sample ID number.

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PBOLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 0051919-BS1 Date(s) Analyzed: 06/01/10 06/01/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Aldrin	1	13.18	13.11	13.25	3.8	
	2	13.17	13.10	13.24	4.2	10.0
beta-BHC	1	11.48	11.41	11.55	4.1	
	2	11.57	11.50	11.64	5.2	23.6
alpha-BHC	1	10.38	10.32	10.46	4.6	
	2	10.39	10.32	10.46	4.5	2.2
delta-BHC	1	11.92	11.85	11.99	5.5	
	2	12.29	12.22	12.36	4.8	13.6
gamma-BHC (Lindane)	1	11.23	11.16	11.30	4.2	
	2	11.32	11.25	11.39	4.2	0.0
4,4'-DDD	1	16.73	16.66	16.80	12	
	2	16.94	16.87	17.02	12	0.0
4,4'-DDE	1	15.41	15.34	15.48	12	
	2	15.68	15.61	15.75	11	8.7
4,4'-DDT	1	17.34	17.27	17.41	17	
	2	17.61	17.55	17.69	15	12.5

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PBOLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 0051919-BS1 Date(s) Analyzed: 06/01/10 06/01/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	16.06	15.99	16.13	12	
	2	16.00	15.94	16.08	12	0.0
Endosulfan I	1	15.52	15.45	15.59	4.3	
	2	15.39	15.33	15.47	4.5	4.5
Endosulfan II	1	17.07	17.01	17.15	11	
	2	17.14	17.07	17.21	11	0.0
Endosulfan sulfate	1	18.95	18.89	19.02	11	
	2	18.47	18.40	18.54	10	9.5
Endrin	1	16.58	16.51	16.65	11	
	2	16.67	16.60	16.74	11	0.0
Endrin Aldehyde	1	18.00	17.93	18.07	6.7	
	2	17.87	17.80	17.95	7.0	4.4
Heptachlor	1	12.45	12.38	12.52	5.2	
	2	12.40	12.34	12.47	4.9	5.9
Heptachlor Epoxide	1	14.62	14.56	14.70	5.1	
	2	14.52	14.45	14.59	5.0	2.0

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PBOLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 0051919-BS1 Date(s) Analyzed: 06/01/10 06/01/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Methoxychlor	1	18.40	18.33	18.47	12	
	2	19.10	19.03	19.17	12	0.0
Endrin Ketone	1	19.57	19.50	19.64	12	
	2	19.62	19.55	19.69	12	0.0
gamma-Chlordane	1	14.91	14.84	14.98	4.5	
	2	14.95	14.88	15.02	4.9	8.5
alpha-Chlordane	1	15.21	15.15	15.29	5.0	
	2	15.28	15.21	15.35	5.4	7.7
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PBOLCSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 0051919-BSD1 Date(s) Analyzed: 06/02/10 06/02/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Aldrin	1	13.18	13.11	13.25	3.6	
	2	13.17	13.10	13.24	4.1	13.0
beta-BHC	1	11.48	11.41	11.55	4.1	
	2	11.57	11.50	11.64	5.2	23.6
alpha-BHC	1	10.38	10.32	10.46	4.4	
	2	10.39	10.32	10.46	4.4	0.0
delta-BHC	1	11.92	11.85	11.99	4.9	
	2	12.29	12.22	12.36	4.6	6.3
gamma-BHC (Lindane)	1	11.23	11.16	11.30	4.1	
	2	11.32	11.25	11.39	3.9	5.0
4,4'-DDD	1	16.73	16.66	16.80	11	
	2	16.94	16.87	17.02	11	0.0
4,4'-DDE	1	15.41	15.34	15.48	11	
	2	15.68	15.61	15.75	11	0.0
4,4'-DDT	1	17.34	17.27	17.41	10	
	2	17.62	17.55	17.69	10	0.0

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PBOLCSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 0051919-BSD1 Date(s) Analyzed: 06/02/10 06/02/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	16.06	15.99	16.13	12	
	2	16.00	15.94	16.08	11	8.7
Endosulfan I	1	15.52	15.45	15.59	4.1	
	2	15.39	15.33	15.47	4.5	9.3
Endosulfan II	1	17.07	17.01	17.15	11	
	2	17.14	17.07	17.21	11	0.0
Endosulfan sulfate	1	18.95	18.89	19.02	10	
	2	18.47	18.40	18.54	10	0.0
Endrin	1	16.58	16.51	16.65	11	
	2	16.67	16.60	16.74	11	0.0
Endrin Aldehyde	1	18.00	17.93	18.07	6.0	
	2	17.87	17.80	17.95	6.5	8.0
Heptachlor	1	12.45	12.38	12.52	5.1	
	2	12.40	12.34	12.47	4.7	8.2
Heptachlor Epoxide	1	14.63	14.56	14.70	4.9	
	2	14.52	14.45	14.59	4.6	6.3

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PBOLCSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 0051919-BSD1 Date(s) Analyzed: 06/02/10 06/02/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Methoxychlor	1	18.39	18.33	18.47	12	
	2	19.09	19.03	19.17	12	0.0
Endrin Ketone	1	19.57	19.50	19.64	11	
	2	19.62	19.55	19.69	11	0.0
gamma-Chlordane	1	14.91	14.84	14.98	4.4	
	2	14.95	14.88	15.02	4.3	2.3
alpha-Chlordane	1	15.21	15.15	15.29	4.8	
	2	15.28	15.21	15.35	5.5	13.6
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PCFLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 0052408-BS1 Date(s) Analyzed: 06/03/10 06/03/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Aldrin	1	13.18	13.11	13.25	3.4	
	2	13.17	13.10	13.24	3.8	11.1
beta-BHC	1	11.48	11.41	11.55	3.5	
	2	11.57	11.50	11.64	3.6	2.8
alpha-BHC	1	10.38	10.32	10.46	4.0	
	2	10.39	10.32	10.46	3.8	5.1
delta-BHC	1	11.92	11.85	11.99	4.2	
	2	12.29	12.22	12.36	4.0	4.9
gamma-BHC (Lindane)	1	11.23	11.16	11.30	3.6	
	2	11.32	11.25	11.39	3.5	2.8
4,4'-DDD	1	16.73	16.66	16.80	11	
	2	16.95	16.87	17.02	11	0.0
4,4'-DDE	1	15.41	15.34	15.48	10	
	2	15.68	15.61	15.75	9.8	2.0
4,4'-DDT	1	17.34	17.27	17.41	9.9	
	2	17.62	17.55	17.69	9.4	5.2

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PCFLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 0052408-BS1 Date(s) Analyzed: 06/03/10 06/03/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	16.06	15.99	16.13	11	
	2	16.00	15.94	16.08	10	9.5
Endosulfan I	1	15.52	15.45	15.59	4.1	
	2	15.39	15.33	15.47	3.8	7.6
Endosulfan II	1	17.07	17.01	17.15	10	
	2	17.14	17.07	17.21	10	0.0
Endosulfan sulfate	1	18.95	18.89	19.02	9.7	
	2	18.47	18.40	18.54	9.5	2.1
Endrin	1	16.57	16.51	16.65	10	
	2	16.67	16.60	16.74	9.6	4.1
Endrin Aldehyde	1	18.00	17.93	18.07	6.3	
	2	17.87	17.80	17.95	6.2	1.6
Heptachlor	1	12.45	12.38	12.52	4.6	
	2	12.40	12.34	12.47	4.3	6.7
Heptachlor Epoxide	1	14.62	14.56	14.70	4.6	
	2	14.52	14.45	14.59	4.1	11.5

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PCFLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 0052408-BS1 Date(s) Analyzed: 06/03/10 06/03/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Methoxychlor	1	18.40	18.33	18.47	11	
	2	19.10	19.03	19.17	11	0.0
Endrin Ketone	1	19.57	19.50	19.64	11	
	2	19.62	19.55	19.69	11	0.0
gamma-Chlordane	1	14.91	14.84	14.98	3.9	
	2	14.95	14.88	15.02	3.9	0.0
alpha-Chlordane	1	15.21	15.15	15.29	4.5	
	2	15.28	15.21	15.35	4.5	0.0
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PCFLCSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 0052408-BSD1 Date(s) Analyzed: 06/03/10 06/03/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Aldrin	1	13.18	13.11	13.25	3.7	
	2	13.17	13.10	13.24	3.8	2.7
beta-BHC	1	11.48	11.41	11.55	3.8	
	2	11.57	11.50	11.64	4.1	7.6
alpha-BHC	1	10.39	10.32	10.46	4.4	
	2	10.39	10.32	10.46	4.2	4.6
delta-BHC	1	11.93	11.85	11.99	4.5	
	2	12.29	12.22	12.36	4.2	6.9
gamma-BHC (Lindane)	1	11.23	11.16	11.30	4.0	
	2	11.32	11.25	11.39	3.8	5.1
4,4'-DDD	1	16.74	16.66	16.80	11	
	2	16.95	16.87	17.02	11	0.0
4,4'-DDE	1	15.41	15.34	15.48	11	
	2	15.69	15.61	15.75	10	9.5
4,4'-DDT	1	17.35	17.27	17.41	9.9	
	2	17.62	17.55	17.69	9.4	5.2

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PCFLCSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 0052408-BSD1 Date(s) Analyzed: 06/03/10 06/03/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	16.06	15.99	16.13	11	
	2	16.01	15.94	16.08	11	0.0
Endosulfan I	1	15.52	15.45	15.59	4.3	
	2	15.39	15.33	15.47	3.9	9.8
Endosulfan II	1	17.07	17.01	17.15	11	
	2	17.14	17.07	17.21	10	9.5
Endosulfan sulfate	1	18.95	18.89	19.02	10	
	2	18.47	18.40	18.54	9.7	3.0
Endrin	1	16.58	16.51	16.65	11	
	2	16.67	16.60	16.74	10	9.5
Endrin Aldehyde	1	18.00	17.93	18.07	6.6	
	2	17.87	17.80	17.95	6.6	0.0
Heptachlor	1	12.45	12.38	12.52	4.9	
	2	12.40	12.34	12.47	4.7	4.2
Heptachlor Epoxide	1	14.62	14.56	14.70	4.9	
	2	14.52	14.45	14.59	4.4	10.8

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PCFLCSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 0052408-BSD1 Date(s) Analyzed: 06/03/10 06/03/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Methoxychlor	1	18.40	18.33	18.47	11	
	2	19.10	19.03	19.17	12	8.7
Endrin Ketone	1	19.57	19.50	19.64	11	
	2	19.62	19.55	19.69	11	0.0
gamma-Chlordane	1	14.91	14.84	14.98	4.3	
	2	14.95	14.88	15.02	4.1	4.8
alpha-Chlordane	1	15.21	15.15	15.29	4.7	
	2	15.28	15.21	15.35	4.6	2.2
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB63-5.5-6.5

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 1005133-06 Date(s) Analyzed: 06/03/10 06/03/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
4,4'-DDT	1	17.34	17.27	17.41	0.94	
	2	17.61	17.55	17.69	0.93	1.1
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB74-4-5

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 1005133-02 Date(s) Analyzed: 06/03/10 06/03/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	16.06	15.99	16.13	0.93	
	2	16.00	15.94	16.08	0.86	7.8
gamma-Chlordane	1	14.90	14.84	14.98	0.28	
	2	14.95	14.88	15.02	0.23	19.6
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

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FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB75-3.5-4.5

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 1005133-04 Date(s) Analyzed: 06/03/10 06/03/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Heptachlor Epoxide	1	14.65	14.56	14.70	0.58	
	2	14.47	14.45	14.59	0.27	72.9
alpha-Chlordane	1	15.21	15.15	15.29	0.29	
	2	15.25	15.21	15.35	0.51	55.0
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB87-3-4

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 1005133-19 Date(s) Analyzed: 06/11/10 06/11/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
alpha-BHC	1	10.37	10.35	10.49	0.49	
	2	10.46	10.36	10.50	0.27	57.9
Endrin Aldehyde	1	18.11	18.00	18.14	0.82	
	2	17.89	17.85	17.99	0.52	44.8
Heptachlor	1	12.50	12.42	12.56	0.23	
	2	12.43	12.38	12.52	0.98	124.0
gamma-Chlordane	1	14.93	14.89	15.03	0.26	
	2	15.04	14.93	15.06	0.43	49.3
alpha-Chlordane	1	15.22	15.20	15.34	0.37	
	2	15.31	15.26	15.40	0.28	27.7
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB88-2.5-3.5

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 1005133-15 Date(s) Analyzed: 06/11/10 06/11/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
4,4'-DDE	1	15.45	15.39	15.53	1.0	
	2	15.73	15.66	15.80	0.98	2.0
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

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FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS61-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 1005133-07 Date(s) Analyzed: 06/03/10 06/03/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Endosulfan sulfate	1	18.96	18.89	19.02	0.38	
	2	18.45	18.40	18.54	6.4	177.6
Endrin	1	16.57	16.51	16.65	0.40	
	2	16.64	16.60	16.74	0.73	58.4
Heptachlor	1	12.40	12.38	12.52	0.40	
	2	12.39	12.34	12.47	0.23	54.0
Methoxychlor	1	18.37	18.33	18.47	15	
	2	19.05	19.03	19.17	12	22.2
Endrin Ketone	1	19.63	19.50	19.64	0.52	
	2	19.64	19.55	19.69	8.1	175.9
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS61D-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 1005133-08 Date(s) Analyzed: 06/03/10 06/03/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
4,4'-DDD	1	16.70	16.66	16.80	0.63	
	2	16.90	16.87	17.02	0.94	39.5
Heptachlor	1	12.41	12.38	12.52	0.34	
	2	12.39	12.34	12.47	0.20	51.8
Methoxychlor	1	18.36	18.33	18.47	9.8	
	2	19.05	19.03	19.17	6.5	40.5
gamma-Chlordane	1	14.88	14.84	14.98	0.19	
	2	14.99	14.88	15.02	0.74	118.3
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS63-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 1005133-05 Date(s) Analyzed: 06/03/10 06/03/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Aldrin	1	13.15	13.11	13.25	0.49	
	2	13.16	13.10	13.24	0.40	20.2
delta-BHC	1	11.94	11.85	11.99	1.5	
	2	12.32	12.22	12.36	0.46	106.1
4,4'-DDE	1	15.36	15.34	15.48	0.60	
	2	15.69	15.61	15.75	0.83	32.2
Endosulfan I	1	15.50	15.45	15.59	1.5	
	2	15.35	15.33	15.47	1.5	0.0
Endosulfan sulfate	1	19.00	18.89	19.02	3.1	
	2	18.50	18.40	18.54	2.3	29.6
Endrin Aldehyde	1	18.05	17.93	18.07	1.3	
	2	17.89	17.80	17.95	3.0	79.1
Heptachlor	1	12.41	12.38	12.52	0.68	
	2	12.39	12.34	12.47	0.36	61.5
gamma-Chlordane	1	14.96	14.84	14.98	0.97	
	2	14.92	14.88	15.02	0.40	83.2

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS63-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 1005133-05 Date(s) Analyzed: 06/03/10 06/03/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
alpha-Chlordane	1	15.22	15.15	15.29	0.41	
	2	15.25	15.21	15.35	0.91	75.8
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS67-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 1005133-11 Date(s) Analyzed: 06/11/10 06/11/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Aldrin	1	13.20	13.16	13.30	1.7	
	2	13.26	13.15	13.29	1.2	34.5
beta-BHC	1	11.54	11.45	11.59	3.6	
	2	11.59	11.54	11.69	1.2	100.0
alpha-BHC	1	10.43	10.35	10.49	0.56	
	2	10.46	10.36	10.50	1.2	72.7
delta-BHC	1	11.98	11.90	12.04	0.40	
	2	12.34	12.26	12.40	2.3	140.7
4,4'-DDD	1	16.80	16.72	16.86	200	
	2	16.99	16.92	17.06	230	14.0
4,4'-DDE	1	15.46	15.39	15.53	300	
	2	15.73	15.66	15.80	520	53.6
4,4'-DDT	1	17.41	17.34	17.48	61	
	2	17.66	17.59	17.73	47	25.9
Endosulfan I	1	15.64	15.50	15.64	3.4	
	2	15.40	15.37	15.51	88	185.1

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS67-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 1005133-11 Date(s) Analyzed: 06/11/10 06/11/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Endosulfan II	1	17.13	17.07	17.20	21	
	2	17.13	17.12	17.26	6.2	108.8
Endosulfan sulfate	1	19.07	18.96	19.10	130	
	2	18.53	18.45	18.59	1.6	195.1
Endrin Aldehyde	1	18.07	18.00	18.14	6.3	
	2	17.90	17.85	17.99	4.7	29.1
Heptachlor	1	12.52	12.42	12.56	0.86	
	2	12.43	12.38	12.52	4.0	129.2
Heptachlor Epoxide	1	14.68	14.60	14.74	7.7	
	2	14.53	14.49	14.63	2.1	114.3
Endrin Ketone	1	19.58	19.57	19.71	140	
	2	19.66	19.60	19.74	43	106.0
gamma-Chlordane	1	14.94	14.89	15.03	1.5	
	2	15.03	14.93	15.06	10	147.8
	1					
	2					

FORM X PEST-1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS67-0-1DL

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 1005133-11RE1 Date(s) Analyzed: 06/11/10 06/11/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
4,4'-DDD	1	16.79	16.72	16.86	170	
	2	16.99	16.92	17.06	200	16.2
4,4'-DDE	1	15.46	15.39	15.53	440	
	2	15.73	15.66	15.80	410	7.0
4,4'-DDT	1	17.41	17.34	17.48	51	
	2	17.66	17.59	17.73	44	14.7
Endosulfan I	1	15.64	15.50	15.64	4.4	
	2	15.40	15.37	15.51	39	159.4
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS68-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 1005133-20 Date(s) Analyzed: 06/09/10 06/09/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Aldrin	1	13.09	13.08	13.22	4.5	
	2	13.18	13.07	13.21	0.34	171.9
beta-BHC	1	11.45	11.38	11.52	7.0	
	2	11.51	11.47	11.61	2.0	111.1
delta-BHC	1	11.91	11.82	11.96	2.0	
	2	12.26	12.19	12.33	0.69	97.4
gamma-BHC (Lindane)	1	11.24	11.13	11.27	10	
	2	11.34	11.22	11.37	0.36	186.1
4,4'-DDD	1	16.77	16.66	16.80	0.90	
	2	16.95	16.84	16.98	25	186.1
Dieldrin	1	16.06	15.98	16.12	3.4	
	2	16.02	15.91	16.05	0.64	136.6
Endosulfan I	1	15.48	15.43	15.57	3.1	
	2	15.33	15.29	15.44	5.3	52.4
Endosulfan sulfate	1	18.93	18.89	19.03	6.9	
	2	18.45	18.37	18.51	8.7	23.1

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS68-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 1005133-20 Date(s) Analyzed: 06/09/10 06/09/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Endrin Aldehyde	1	18.02	17.93	18.07	3.2	
	2	17.91	17.77	17.91	7.2	76.9
Heptachlor	1	12.41	12.35	12.49	1.9	
	2	12.37	12.30	12.45	1.6	17.1
Methoxychlor	1	18.39	18.34	18.48	20	
	2	19.04	19.00	19.14	15	28.6
Endrin Ketone	1	19.55	19.51	19.65	110	
	2	19.55	19.52	19.66	22	133.3
gamma-Chlordane	1	14.90	14.82	14.96	1.8	
	2	14.94	14.85	14.99	3.8	71.4
alpha-Chlordane	1	15.21	15.13	15.27	2.1	
	2	15.28	15.18	15.32	1.2	54.5
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS68-0-1RE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 1005133-20RE1 Date(s) Analyzed: 06/11/10 06/11/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
beta-BHC	1	11.52	11.45	11.59	0.84	
	2	11.65	11.54	11.69	0.47	56.5
delta-BHC	1	12.00	11.90	12.04	0.36	
	2	12.34	12.26	12.40	0.35	2.8
4,4'-DDD	1	16.83	16.72	16.86	2.5	
	2	16.96	16.92	17.06	8.2	106.5
4,4'-DDT	1	17.45	17.34	17.48	3.2	
	2	17.63	17.59	17.73	0.73	125.7
Dieldrin	1	16.09	16.05	16.19	0.57	
	2	16.10	15.98	16.12	0.64	11.6
Endosulfan I	1	15.55	15.50	15.64	0.94	
	2	15.40	15.37	15.51	4.9	135.6
Endosulfan sulfate	1	18.98	18.96	19.10	10	
	2	18.52	18.45	18.59	8.4	17.4
Endrin	1	16.66	16.56	16.70	1.1	
	2	16.76	16.65	16.79	1.9	53.3

FORM X PEST-1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS68-0-1RE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 1005133-20RE1 Date(s) Analyzed: 06/11/10 06/11/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Endrin Aldehyde	1	18.01	18.00	18.14	2.8	
	2	17.95	17.85	17.99	1.6	54.5
Heptachlor	1	12.46	12.42	12.56	0.37	
	2	12.44	12.38	12.52	0.69	60.4
Endrin Ketone	1	19.61	19.57	19.71	36	
	2	19.62	19.60	19.74	6.5	138.8
gamma-Chlordane	1	14.96	14.89	15.03	0.45	
	2	15.02	14.93	15.06	0.99	75.0
alpha-Chlordane	1	15.26	15.20	15.34	1.2	
	2	15.28	15.26	15.40	0.23	135.7
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS68-0-1REDL

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 1005133-20RE2 Date(s) Analyzed: 06/11/10 06/11/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Endosulfan I	1	15.54	15.50	15.64	2.0	
	2	15.40	15.37	15.51	3.9	64.4
Endosulfan sulfate	1	18.98	18.96	19.10	9.9	
	2	18.53	18.45	18.59	11	10.5
Endrin Ketone	1	19.62	19.57	19.71	15	
	2	19.66	19.60	19.74	9.4	45.9
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS72-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 1005133-12 Date(s) Analyzed: 06/03/10 06/03/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
alpha-BHC	1	10.35	10.32	10.46	0.51	
	2	10.43	10.32	10.46	0.18	95.6
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS73-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 1005133-01 Date(s) Analyzed: 06/02/10 06/02/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Aldrin	1	13.24	13.11	13.25	0.20	
	2	13.21	13.10	13.24	0.65	105.9
alpha-BHC	1	10.35	10.32	10.46	0.31	
	2	10.43	10.32	10.46	0.20	43.1
4,4'-DDD	1	16.74	16.66	16.80	7.5	
	2	16.95	16.87	17.02	7.9	5.2
4,4'-DDE	1	15.41	15.34	15.48	14	
	2	15.69	15.61	15.75	14	0.0
4,4'-DDT	1	17.35	17.27	17.41	20	
	2	17.62	17.55	17.69	18	10.5
Dieldrin	1	16.04	15.99	16.13	0.92	
	2	16.02	15.94	16.08	0.88	4.4
Heptachlor	1	12.51	12.38	12.52	0.21	
	2	12.42	12.34	12.47	0.48	78.3
Heptachlor Epoxide	1	14.63	14.56	14.70	0.61	
	2	14.46	14.45	14.59	0.20	101.2

FORM X PEST-1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS73-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 1005133-01 Date(s) Analyzed: 06/02/10 06/02/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Endrin Ketone	1	19.50	19.50	19.64	0.83	
	2	19.57	19.55	19.69	4.2	134.0
gamma-Chlordane	1	14.91	14.84	14.98	0.24	
	2	14.99	14.88	15.02	1.8	152.9
alpha-Chlordane	1	15.18	15.15	15.29	0.91	
	2	15.25	15.21	15.35	1.5	49.0
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS73-0-1MS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 0051919-MS2 Date(s) Analyzed: 06/02/10 06/02/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Aldrin	1	13.18	13.11	13.25	5.6	
	2	13.17	13.10	13.24	5.3	5.5
beta-BHC	1	11.48	11.41	11.55	5.0	
	2	11.57	11.50	11.64	6.6	27.6
alpha-BHC	1	10.38	10.32	10.46	5.7	
	2	10.39	10.32	10.46	5.7	0.0
delta-BHC	1	11.92	11.85	11.99	5.9	
	2	12.29	12.22	12.36	5.5	7.0
gamma-BHC (Lindane)	1	11.23	11.16	11.30	5.3	
	2	11.32	11.25	11.39	5.1	3.8
4,4'-DDD	1	16.73	16.66	16.80	14	
	2	16.94	16.87	17.02	14	0.0
4,4'-DDE	1	15.41	15.34	15.48	15	
	2	15.68	15.61	15.75	14	6.9
4,4'-DDT	1	17.34	17.27	17.41	15	
	2	17.62	17.55	17.69	13	14.3

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS73-0-1MS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 0051919-MS2 Date(s) Analyzed: 06/02/10 06/02/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	16.06	15.99	16.13	15	
	2	16.01	15.94	16.08	14	6.9
Endosulfan I	1	15.52	15.45	15.59	5.4	
	2	15.39	15.33	15.47	6.1	12.2
Endosulfan II	1	17.07	17.01	17.15	13	
	2	17.14	17.07	17.21	12	8.0
Endosulfan sulfate	1	18.95	18.89	19.02	14	
	2	18.47	18.40	18.54	11	24.0
Endrin	1	16.58	16.51	16.65	13	
	2	16.67	16.60	16.74	13	0.0
Endrin Aldehyde	1	18.00	17.93	18.07	9.3	
	2	17.87	17.80	17.95	8.8	5.5
Heptachlor	1	12.45	12.38	12.52	6.4	
	2	12.40	12.34	12.47	5.4	16.9
Heptachlor Epoxide	1	14.62	14.56	14.70	6.3	
	2	14.52	14.45	14.59	5.0	23.0

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS73-0-1MS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 0051919-MS2 Date(s) Analyzed: 06/02/10 06/02/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Methoxychlor	1	18.40	18.33	18.47	15	
	2	19.09	19.03	19.17	14	6.9
Endrin Ketone	1	19.57	19.50	19.64	15	
	2	19.62	19.55	19.69	15	0.0
gamma-Chlordane	1	14.91	14.84	14.98	5.5	
	2	14.95	14.88	15.02	5.3	3.7
alpha-Chlordane	1	15.21	15.15	15.29	6.0	
	2	15.28	15.21	15.35	6.6	9.5
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS73-0-1MSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 0051919-MSD2 Date(s) Analyzed: 06/02/10 06/02/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Aldrin	1	13.18	13.11	13.25	5.3	
	2	13.17	13.10	13.24	5.4	1.9
beta-BHC	1	11.48	11.41	11.55	7.6	
	2	11.57	11.50	11.64	6.4	17.1
alpha-BHC	1	10.39	10.32	10.46	5.6	
	2	10.39	10.32	10.46	5.4	3.6
delta-BHC	1	11.93	11.85	11.99	5.9	
	2	12.29	12.22	12.36	5.3	10.7
gamma-BHC (Lindane)	1	11.23	11.16	11.30	5.4	
	2	11.32	11.25	11.39	5.4	0.0
4,4'-DDD	1	16.73	16.66	16.80	13	
	2	16.95	16.87	17.02	13	0.0
4,4'-DDE	1	15.41	15.34	15.48	15	
	2	15.68	15.61	15.75	15	0.0
4,4'-DDT	1	17.35	17.27	17.41	13	
	2	17.62	17.55	17.69	12	8.0

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS73-0-1MSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 0051919-MSD2 Date(s) Analyzed: 06/02/10 06/02/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	16.07	15.99	16.13	14	
	2	16.01	15.94	16.08	13	7.4
Endosulfan I	1	15.52	15.45	15.59	5.1	
	2	15.39	15.33	15.47	6.1	17.8
Endosulfan II	1	17.08	17.01	17.15	12	
	2	17.14	17.07	17.21	11	8.7
Endosulfan sulfate	1	18.96	18.89	19.02	14	
	2	18.47	18.40	18.54	10	33.3
Endrin	1	16.58	16.51	16.65	13	
	2	16.68	16.60	16.74	12	8.0
Endrin Aldehyde	1	18.00	17.93	18.07	7.5	
	2	17.88	17.80	17.95	8.4	11.3
Heptachlor	1	12.45	12.38	12.52	6.1	
	2	12.41	12.34	12.47	5.0	19.8
Heptachlor Epoxide	1	14.63	14.56	14.70	6.0	
	2	14.52	14.45	14.59	4.9	20.2

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS73-0-1MSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 0051919-MSD2 Date(s) Analyzed: 06/02/10 06/02/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Methoxychlor	1	18.40	18.33	18.47	14	
	2	19.10	19.03	19.17	14	0.0
Endrin Ketone	1	19.57	19.50	19.64	14	
	2	19.62	19.55	19.69	14	0.0
gamma-Chlordane	1	14.91	14.84	14.98	4.7	
	2	14.95	14.88	15.02	5.4	13.9
alpha-Chlordane	1	15.22	15.15	15.29	5.6	
	2	15.28	15.21	15.35	7.3	26.4
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS75-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 1005133-03 Date(s) Analyzed: 06/03/10 06/03/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
delta-BHC	1	11.89	11.85	11.99	0.40	
	2	12.34	12.22	12.36	5.6	173.3
4,4'-DDE	1	15.41	15.34	15.48	1.6	
	2	15.68	15.61	15.75	1.0	46.2
4,4'-DDT	1	17.36	17.27	17.41	10	
	2	17.60	17.55	17.69	1.9	136.1
Endosulfan II	1	17.14	17.01	17.15	17	
	2	17.14	17.07	17.21	21	21.0
Endosulfan sulfate	1	18.91	18.89	19.02	5.6	
	2	18.44	18.40	18.54	2.4	80.0
Endrin	1	16.57	16.51	16.65	1.9	
	2	16.74	16.60	16.74	2.2	14.6
Heptachlor Epoxide	1	14.64	14.56	14.70	5.5	
	2	14.49	14.45	14.59	0.30	179.3
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS76-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 1005133-16 Date(s) Analyzed: 06/09/10 06/09/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Aldrin	1	13.21	13.08	13.22	0.28	
	2	13.15	13.07	13.21	0.61	74.2
4,4'-DDE	1	15.39	15.32	15.46	1.3	
	2	15.65	15.58	15.72	0.67	64.0
4,4'-DDT	1	17.36	17.27	17.41	3.7	
	2	17.56	17.52	17.66	1.3	96.0
Dieldrin	1	16.02	15.98	16.12	32	
	2	15.93	15.91	16.05	0.68	191.7
Endrin	1	16.56	16.50	16.64	1.3	
	2	16.67	16.57	16.71	6.6	134.2
Heptachlor	1	12.37	12.35	12.49	0.42	
	2	12.36	12.30	12.45	0.48	13.3
gamma-Chlordane	1	14.95	14.82	14.96	5.5	
	2	14.98	14.85	14.99	12	74.3
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS76-0-1RE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 1005133-16RE1 Date(s) Analyzed: 06/11/10 06/11/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Aldrin	1	13.28	13.16	13.30	0.23	
	2	13.22	13.15	13.29	0.74	105.2
4,4'-DDE	1	15.46	15.39	15.53	0.89	
	2	15.72	15.66	15.80	1.0	11.6
4,4'-DDT	1	17.42	17.34	17.48	3.7	
	2	17.64	17.59	17.73	1.5	84.6
Dieldrin	1	16.08	16.05	16.19	29	
	2	16.00	15.98	16.12	1.8	176.6
Endrin	1	16.62	16.56	16.70	1.3	
	2	16.74	16.65	16.79	3.7	96.0
Heptachlor Epoxide	1	14.68	14.60	14.74	2.8	
	2	14.52	14.49	14.63	0.34	156.7
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS76-0-1REDL

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 1005133-16RE2 Date(s) Analyzed: 06/11/10 06/11/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
4,4'-DDT	1	17.42	17.34	17.48	3.8	
	2	17.65	17.59	17.73	2.6	37.5
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS87-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 1005133-18 Date(s) Analyzed: 06/11/10 06/11/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Endosulfan sulfate	1	19.06	18.96	19.10	1.2	
	2	18.52	18.45	18.59	1.9	45.2
gamma-Chlordane	1	14.94	14.89	15.03	0.29	
	2	15.02	14.93	15.06	0.51	55.0
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS88-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 1005133-14 Date(s) Analyzed: 06/11/10 06/11/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
4,4'-DDD	1	16.79	16.72	16.86	3.1	
	2	16.99	16.92	17.06	3.3	6.2
4,4'-DDE	1	15.46	15.39	15.53	33	
	2	15.73	15.66	15.80	31	6.2
4,4'-DDT	1	17.41	17.34	17.48	2.1	
	2	17.66	17.59	17.73	2.6	21.3
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS88-0-1DL

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab Sample ID: 1005133-14RE1 Date(s) Analyzed: 06/11/10 06/11/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
4,4'-DDE	1	15.46	15.39	15.53	31	
	2	15.72	15.66	15.80	80	88.3
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

e. Identification Summary for Multicomponent Analytes (Form X) – if applicable

For all samples with positively identified multicomponent analytes, in order by increasing Client Sample ID number.

f. Chromatograms and Data System Printouts

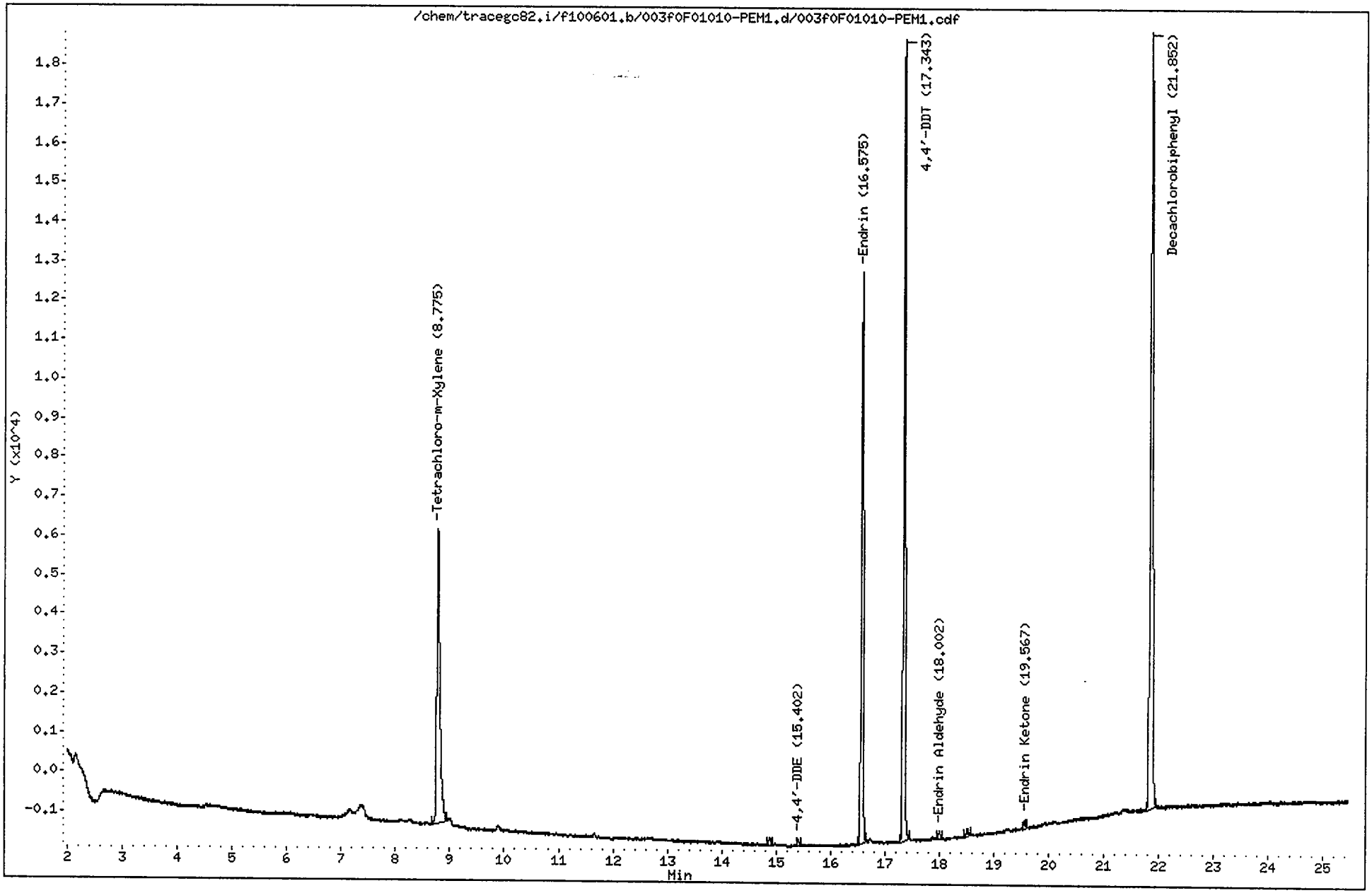
For all methods, standards packages shall include
The following:

- Performance evaluation mixtures (8081 only)
- Initial Calibration Standards
- Second Source Initial Calibration Verifications (if required by client)
- Continuing Calibration Verification Standards
- The quantitation report must include the Client Sample ID number.
- The chromatograms shall include the following: Client Sample ID number for the standard, labeled standard peaks, volume injected, for each standard, date and time of injection, GC column identifier, and GC Instrument identifier

Data File: /chem/tracegc82.i/f100601.b/003f0F01010-PEM1.d
Date : 01-JUN-2010 16:47
Client ID: PEMFA
Sample Info: 0F01010-PEM1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: System
Column diameter: 0.32



CompuChem

Lab Smp Id : 0F01010-PEM1 Client Smp Id : PEMFA
Sample Type : SAMPLE Sublist : PEM
Inj Date : 01-JUN-2010 16:47 Inst ID : TRACEGC82
Operator : System
Method : /chem/tracegc82.i/f100601.b/8081A_clpestv6.m
Misc. Info : PEMFA

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.27			313								
1.35			34780								
1.96			494								
8.78	8.73	8.87	29812	1587700	Tetrachloro-m-Xylene	0.018777	0.018777		94.8	43 - 135	
14.88			502								
15.40	15.34	15.48	387	2012896	4,4'-DDE	0.000192	0.000192	0.020000			J
16.58	16.51	16.65	36538	1695798	Endrin	0.021546	0.021546	0.020000			
17.34	17.27	17.41	48767	1722489	4,4'-DDT	0.028312	0.028312	0.020000			
18.00	17.93	18.07	498	1371845	Endrin Aldehyde	0.000363	0.000363	0.020000			J
18.52			724								
19.57	19.49	19.63	611	1849761	Endrin Ketone	0.000330	0.000330	0.020000			J
21.85	21.79	21.93	63536	1622138	Decachlorobiphenyl	0.039168	0.039168		98.9	43 - 144	

Data File: /chem/tracegc82.i/f100601.b/004f0F01010-CAL1.d

Date : 01-JUN-2010 17:16

Client ID: INDC1FA

Sample Info: 0F01010-CAL1

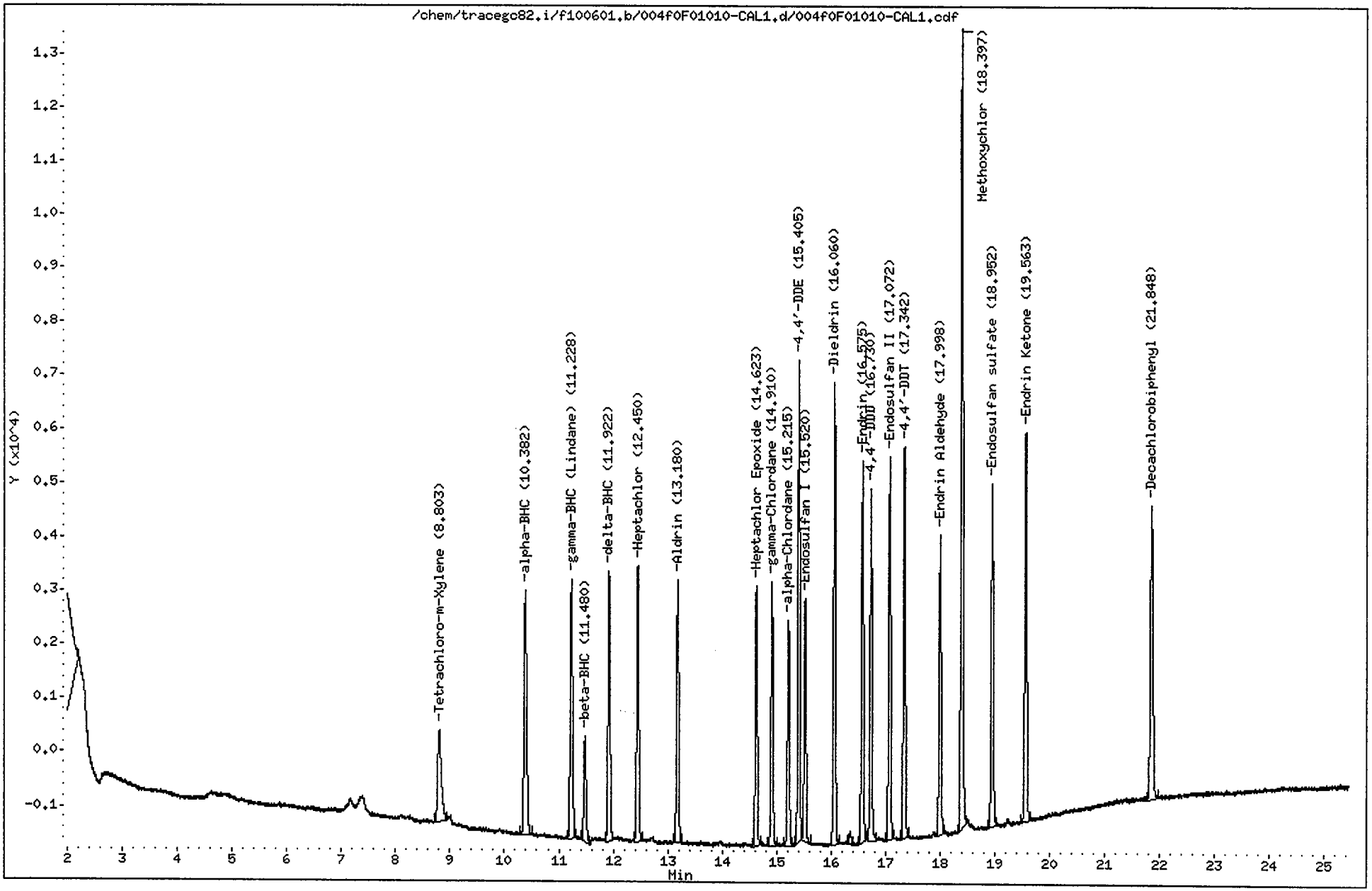
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc82.i

Operator: BWL

Column diameter: 0.32



CompuChem

Lab Smp Id : 0F01010-CAL1 Client Smp Id : INDC1FA
Sample Type : INITIAL CAL: Level 1 Sublist : INDA
Inj Date : 01-JUN-2010 17:16 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601.b/8081A_clpestv6.m
Misc. Info : INDC1FA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.49			300736					
8.80	8.72	8.86	8284	1587700	Tetrachloro-m-Xylene	0.005000	1656600	
10.38	10.31	10.45	15151	3028788	alpha-BHC	0.005000	3030200	
11.23	11.16	11.30	14081	2817265	gamma-BHC (Lindane)	0.005000	2816200	
11.48	11.41	11.55	5716	1035150	beta-BHC	0.005000	1143000	
11.92	11.85	11.99	13477	2721052	delta-BHC	0.005000	2695200	
12.45	12.38	12.52	13597	2589888	Heptachlor	0.005000	2719400	
13.18	13.11	13.25	12408	2391920	Aldrin	0.005000	2481400	
14.62	14.56	14.70	11819	2235460	Heptachlor Epoxide	0.005000	2363600	
14.91	14.84	14.98	11957	2245768	gamma-Chlordane	0.005000	2391400	
15.22	15.14	15.28	10168	1924148	alpha-Chlordane	0.005000	2033400	
15.40	15.34	15.48	20528	2012896	4,4'-DDE	0.010000	2052700	
15.52	15.45	15.59	10850	2067970	Endosulfan I	0.005000	2170000	
16.06	15.99	16.13	20908	2037205	Dieldrin	0.010000	2090800	
16.35			588					
16.58	16.51	16.65	17519	1695798	Endrin	0.010000	1751800	
16.73	16.66	16.80	15537	1534440	4,4'-DDD	0.010000	1553600	
17.07	17.01	17.15	17905	1759840	Endosulfan II	0.010000	1790500	
17.34	17.27	17.41	17446	1722489	4,4'-DDT	0.010000	1744600	
18.00	17.93	18.07	13908	1371845	Endrin Aldehyde	0.010000	1390800	
18.40	18.33	18.47	37104	731447	Methoxychlor	0.050000	742080	
18.95	18.88	19.02	16178	1574194	Endosulfan sulfate	0.010000	1617800	
19.56	19.50	19.64	18824	1849761	Endrin Ketone	0.010000	1882300	
21.85	21.78	21.92	17533	1622138	Decachlorobiphenyl	0.010000	1753300	

Data File: /chem/tracegc82.i/f100601.b/005f0F01010-CAL2.d

Date : 01-JUN-2010 17:45

Client ID: INDC2FA

Sample Info: 0F01010-CAL2

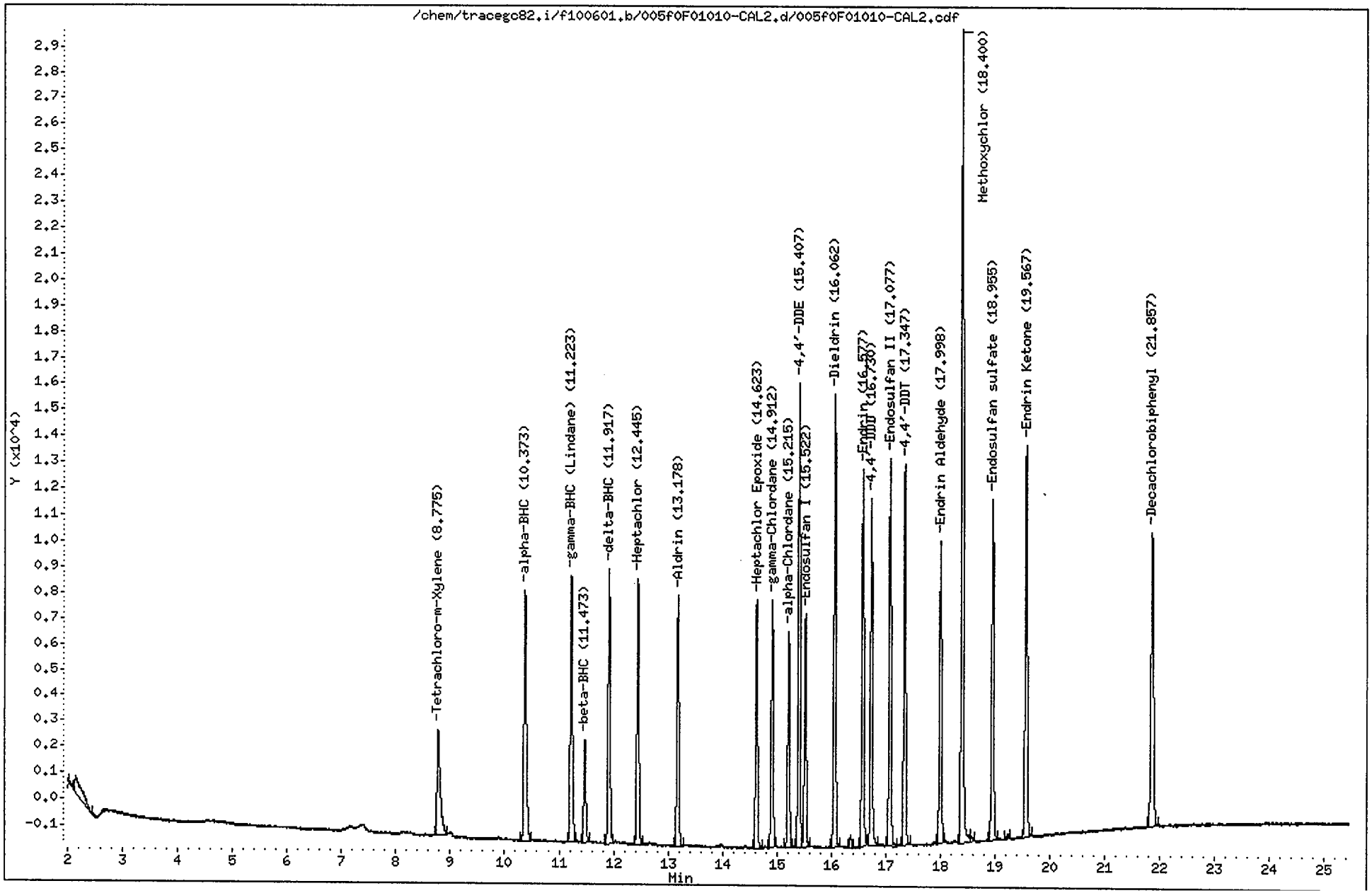
Volume Injected (uL): 1.0

Column phase: olpest

Instrument: tracegc82.i

Operator: BWL

Column diameter: 0.32



CompuChem

Lab Smp Id : 0F01010-CAL2 Client Smp Id : INDC2FA
Sample Type : INITIAL CAL: Level 2 Sublist : INDA
Inj Date : 01-JUN-2010 17:45 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601.b/8081A_clpestv6.m
Misc. Info : INDC2FA

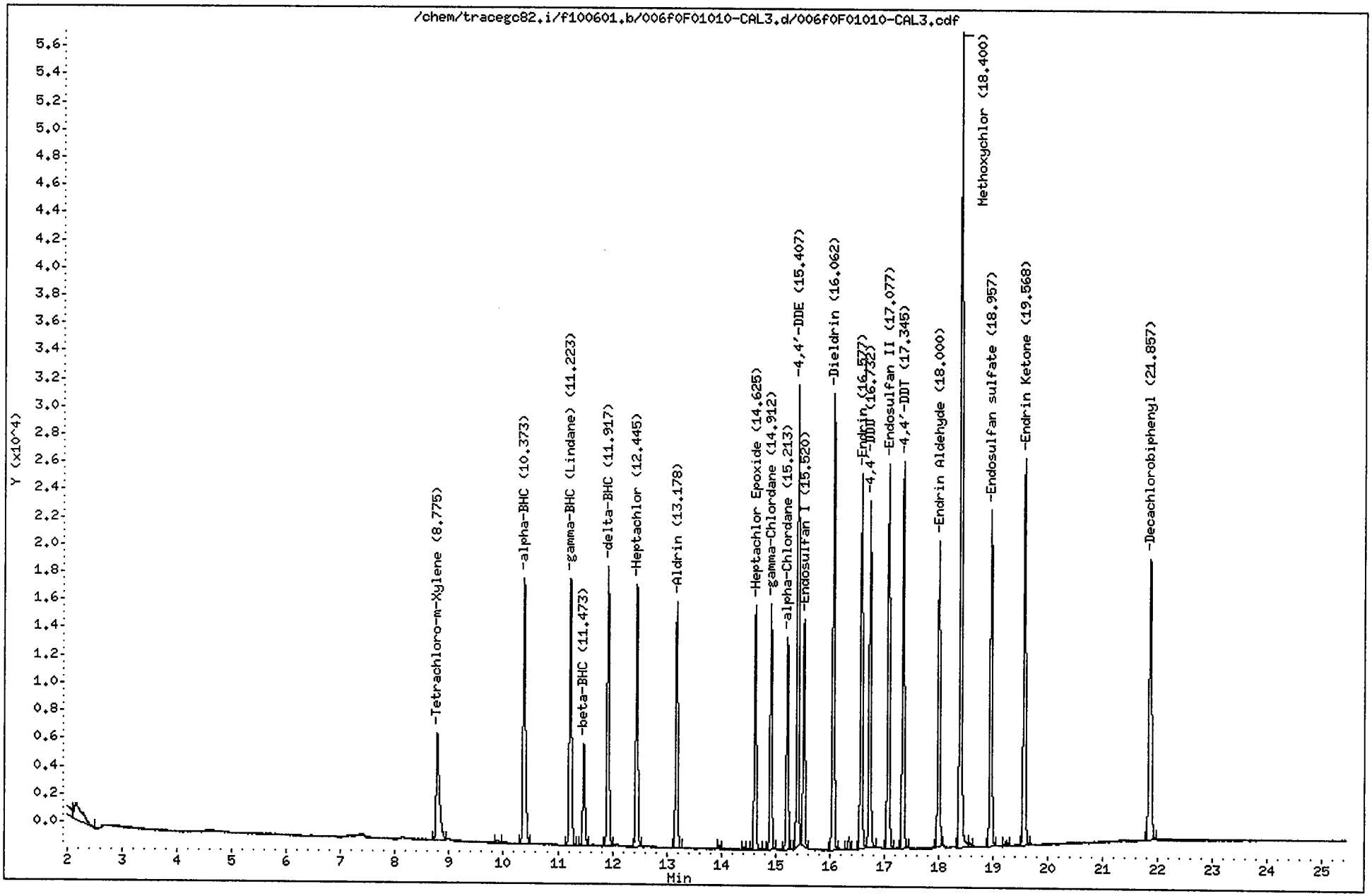
RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.35			32860					
1.98			1174					
2.15			5927					
8.78	8.72	8.86	15985	1587700	Tetrachloro-m-Xylene	0.010000	1598500	
10.37	10.31	10.45	30334	3028788	alpha-BHC	0.010000	3033400	
11.22	11.16	11.30	28195	2817265	gamma-BHC (Lindane)	0.010000	2819400	
11.47	11.41	11.55	10467	1035150	beta-BHC	0.010000	1046700	
11.92	11.85	11.99	27325	2721052	delta-BHC	0.010000	2732500	
12.44	12.38	12.52	26480	2589888	Heptachlor	0.010000	2647900	
13.18	13.11	13.25	24524	2391920	Aldrin	0.010000	2452300	
14.62	14.56	14.70	23275	2235460	Heptachlor Epoxide	0.010000	2327400	
14.91	14.84	14.98	23459	2245768	gamma-Chlordane	0.010000	2345800	
15.22	15.14	15.28	19958	1924148	alpha-Chlordane	0.010000	1995700	
15.41	15.34	15.48	41461	2012896	4,4'-DDE	0.020000	2073000	
15.52	15.45	15.59	22131	2067970	Endosulfan I	0.010000	2213100	
16.06	15.99	16.13	42205	2037205	Dieldrin	0.020000	2110200	
16.36			1108					
16.58	16.51	16.65	35501	1695798	Endrin	0.020000	1775000	
16.73	16.66	16.80	31906	1534440	4,4'-DDD	0.020000	1595300	
17.08	17.01	17.15	37219	1759840	Endosulfan II	0.020000	1860900	
17.35	17.27	17.41	35656	1722489	4,4'-DDT	0.020000	1782800	
18.00	17.93	18.07	29289	1371845	Endrin Aldehyde	0.020000	1464450	
18.40	18.33	18.47	79225	731447	Methoxychlor	0.100000	792240	
18.57			504					
18.96	18.88	19.02	33883	1574194	Endosulfan sulfate	0.020000	1694100	
19.24			509					
19.57	19.50	19.64	39978	1849761	Endrin Ketone	0.020000	1998900	
21.86	21.78	21.92	36793	1622138	Decachlorobiphenyl	0.020000	1839650	

6/1/10

Data File: /chem/tracegc82.i/f100601.b/006f0F01010-CAL3.d
Date : 01-JUN-2010 18:14
Client ID: INDC3FA
Sample Info: 0F01010-CAL3
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

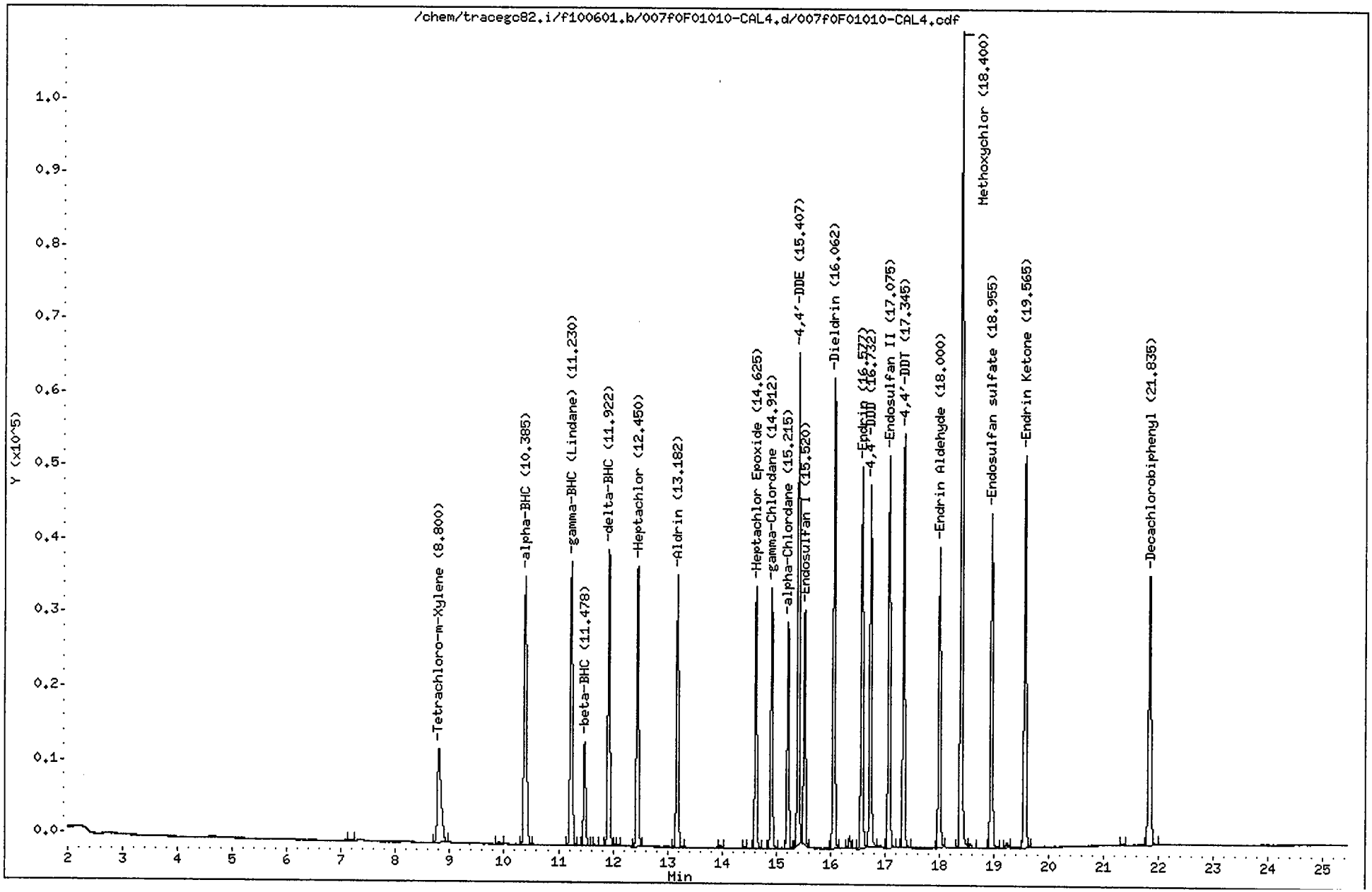
Lab Smp Id : 0F01010-CAL3 Client Smp Id : INDC3FA
Sample Type : INITIAL CAL: Level 3 Sublist : INDA
Inj Date : 01-JUN-2010 18:14 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601.b/8081A_clpestv6.m
Misc. Info : INDC3FA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
0.28			294					
1.35			17081					
1.89			391					
1.99			6462					
2.16			12662					
8.78	8.72	8.86	30501	1587700	Tetrachloro-m-Xylene	0.020000	1525050	
9.89			547					
10.37	10.31	10.45	57738	3028788	alpha-BHC	0.020000	2886900	
11.22	11.16	11.30	53833	2817265	gamma-BHC (Lindane)	0.020000	2691650	
11.47	11.41	11.55	19694	1035150	beta-BHC	0.020000	984700	
11.92	11.85	11.99	52238	2721052	delta-BHC	0.020000	2611850	
12.44	12.38	12.52	49076	2589888	Heptachlor	0.020000	2453800	
13.18	13.11	13.25	45826	2391920	Aldrin	0.020000	2291300	
13.97			512					
14.42			337					
14.62	14.56	14.70	43148	2235460	Heptachlor Epoxide	0.020000	2157400	
14.91	14.84	14.98	42920	2245768	gamma-Chlordane	0.020000	2145950	
15.21	15.14	15.28	37186	1924148	alpha-Chlordane	0.020000	1859250	
15.41	15.34	15.48	76210	2012896	4,4'-DDE	0.040000	1905225	
15.52	15.45	15.59	39329	2067970	Endosulfan I	0.020000	1966450	
16.06	15.99	16.13	79097	2037205	Dieldrin	0.040000	1977400	
16.36			2136					
16.58	16.51	16.65	66882	1695798	Endrin	0.040000	1672025	
16.73	16.66	16.80	59639	1534440	4,4'-DDD	0.040000	1490950	
17.08	17.01	17.15	69840	1759840	Endosulfan II	0.040000	1746000	
17.34	17.27	17.41	66759	1722489	4,4'-DDT	0.040000	1668975	
18.00	17.93	18.07	55625	1371845	Endrin Aldehyde	0.040000	1390600	
18.40	18.33	18.47	145796	731447	Methoxychlor	0.200000	728975	
18.57			778					
18.96	18.88	19.02	62596	1574194	Endosulfan sulfate	0.040000	1564875	
19.24			1074					
19.57	19.50	19.64	74025	1849761	Endrin Ketone	0.040000	1850625	
21.86	21.78	21.92	65764	1622138	Decachlorobiphenyl	0.040000	1644075	

Data File: /chem/tracegc82.i/f100601.b/007f0F01010-CAL4.d
Date : 01-JUN-2010 18:43
Client ID: INDC4FA
Sample Info: 0F01010-CAL4
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

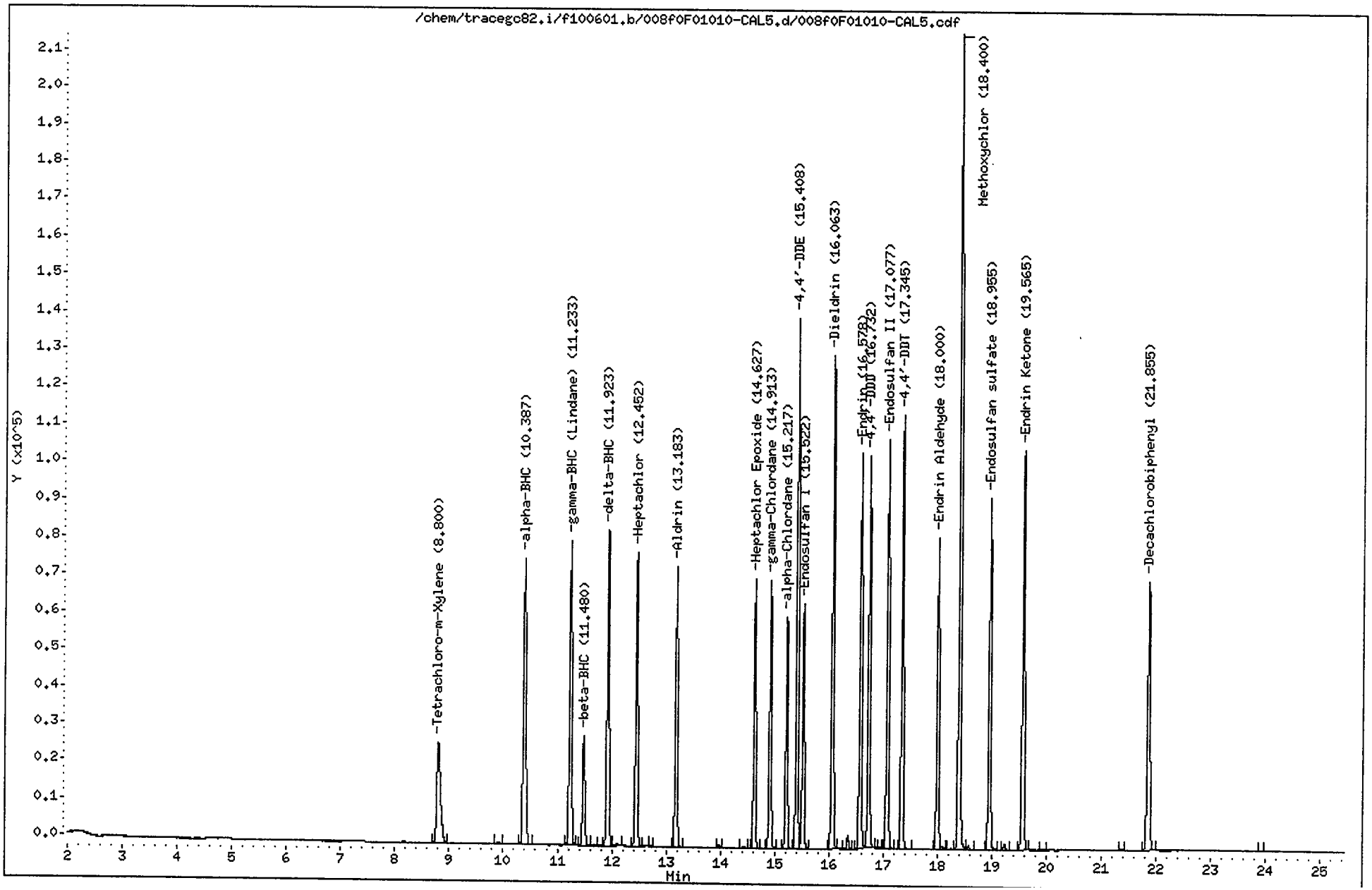
Lab Smp Id : 0F01010-CAL4 Client Smp Id : INDC4FA
Sample Type : INITIAL CAL: Level 4 Sublist : INDA
Inj Date : 01-JUN-2010 18:43 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601.b/8081A_clpestv6.m
Misc. Info : INDC4FA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.25			365					
1.36			3060					
1.44			36991					
7.16			418					
8.80	8.72	8.86	62765	1587700	Tetrachloro-m-Xylene	0.040000	1569125	
9.90			1063					
10.38	10.31	10.45	121064	3028788	alpha-BHC	0.040000	3026575	
11.23	11.16	11.30	112713	2817265	gamma-BHC (Lindane)	0.040000	2817825	
11.48	11.41	11.55	39699	1035150	beta-BHC	0.040000	992475	
11.66			408					
11.92	11.85	11.99	108378	2721052	delta-BHC	0.040000	2709425	
12.09			369					
12.45	12.38	12.52	101312	2589888	Heptachlor	0.040000	2532775	
13.18	13.11	13.25	93602	2391920	Aldrin	0.040000	2340025	
13.97			984					
14.42			611					
14.62	14.56	14.70	85897	2235460	Heptachlor Epoxide	0.040000	2147425	
14.91	14.84	14.98	86146	2245768	gamma-Chlordane	0.040000	2153625	
15.22	15.14	15.28	74160	1924148	alpha-Chlordane	0.040000	1854000	
15.41	15.34	15.48	155562	2012896	4,4'-DDE	0.080000	1944513	
15.52	15.45	15.59	78024	2067970	Endosulfan I	0.040000	1950600	
16.06	15.99	16.13	157474	2037205	Dieldrin	0.080000	1968413	
16.35			4049					
16.58	16.51	16.65	129294	1695798	Endrin	0.080000	1616175	
16.73	16.66	16.80	118476	1534440	4,4'-DDD	0.080000	1480937	
17.08	17.01	17.15	133902	1759840	Endosulfan II	0.080000	1673775	
17.34	17.27	17.41	133186	1722489	4,4'-DDT	0.080000	1664813	
18.00	17.93	18.07	103640	1371845	Endrin Aldehyde	0.080000	1295500	
18.40	18.33	18.47	276134	731447	Methoxychlor	0.400000	690335	
18.57			1624					
18.96	18.88	19.02	118448	1574194	Endosulfan sulfate	0.080000	1480600	
19.23			1826					
19.56	19.50	19.64	139108	1849761	Endrin Ketone	0.080000	1738850	
21.35			359					
21.84	21.78	21.92	116227	1622138	Decachlorobiphenyl	0.080000	1452837	

Data File: /chem/tracegc82.i/f100601.b/008f0F01010-CAL5.d
Date : 01-JUN-2010 19:13
Client ID: INDC5FA
Sample Info: 0F01010-CAL5
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : 0F01010-CAL5 Client Smp Id : INDC5FA
Sample Type : INITIAL CAL: Level 5 Sublist : INDA
Inj Date : 01-JUN-2010 19:13 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601.b/8081A_clpestv6.m
Misc. Info : INDC5FA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.37			1459					
1.45			37960					
8.80	8.72	8.86	127138	1587700	Tetrachloro-m-Xylene	0.080000	1589213	
9.89			1992					
10.39	10.31	10.45	253350	3028788	alpha-BHC	0.080000	3166863	
11.23	11.16	11.30	235300	2817265	gamma-BHC (Lindane)	0.080000	2941250	
11.48	11.41	11.55	80710	1035150	beta-BHC	0.080000	1008875	
11.66			957					
11.92	11.85	11.99	228504	2721052	delta-BHC	0.080000	2856287	
12.09			1891					
12.45	12.38	12.52	207646	2589888	Heptachlor	0.080000	2595563	
12.71			589					
13.18	13.11	13.25	191566	2391920	Aldrin	0.080000	2394575	
13.97			2029					
14.42			1270					
14.63	14.56	14.70	174519	2235460	Heptachlor Epoxide	0.080000	2181475	
14.91	14.84	14.98	175365	2245768	gamma-Chlordane	0.080000	2192063	
15.22	15.14	15.28	150271	1924148	alpha-Chlordane	0.080000	1878387	
15.41	15.34	15.48	334247	2012896	4,4'-DDE	0.160000	2089044	
15.52	15.45	15.59	163177	2067970	Endosulfan I	0.080000	2039700	
16.06	15.99	16.13	326275	2037205	Dieldrin	0.160000	2039213	
16.35			8496					
16.58	16.51	16.65	266238	1695798	Endrin	0.160000	1663987	
16.73	16.66	16.80	248226	1534440	4,4'-DDD	0.160000	1551413	
16.92			508					
17.08	17.01	17.15	276484	1759840	Endosulfan II	0.160000	1728025	
17.23			609					
17.34	17.27	17.41	280201	1722489	4,4'-DDT	0.160000	1751256	
18.00	17.93	18.07	210860	1371845	Endrin Aldehyde	0.160000	1317875	
18.09			2240					
18.23			735					
18.40	18.33	18.47	562883	731447	Methoxychlor	0.800000	703604	
18.57			2729					
18.96	18.88	19.02	242176	1574194	Endosulfan sulfate	0.160000	1513594	
19.23			3897					
19.56	19.50	19.64	284501	1849761	Endrin Ketone	0.160000	1778131	
19.92			383					
21.36			768					
21.86	21.78	21.92	227333	1622138	Decachlorobiphenyl	0.160000	1420825	
23.92			441					

Data File: /chem/tracegc82.i/f100601.b/009f0F01010-ARC1.d

Date : 01-JUN-2010 19:42

Client ID: TOXAPH3FA

Sample Info: 0F01010-ARC1

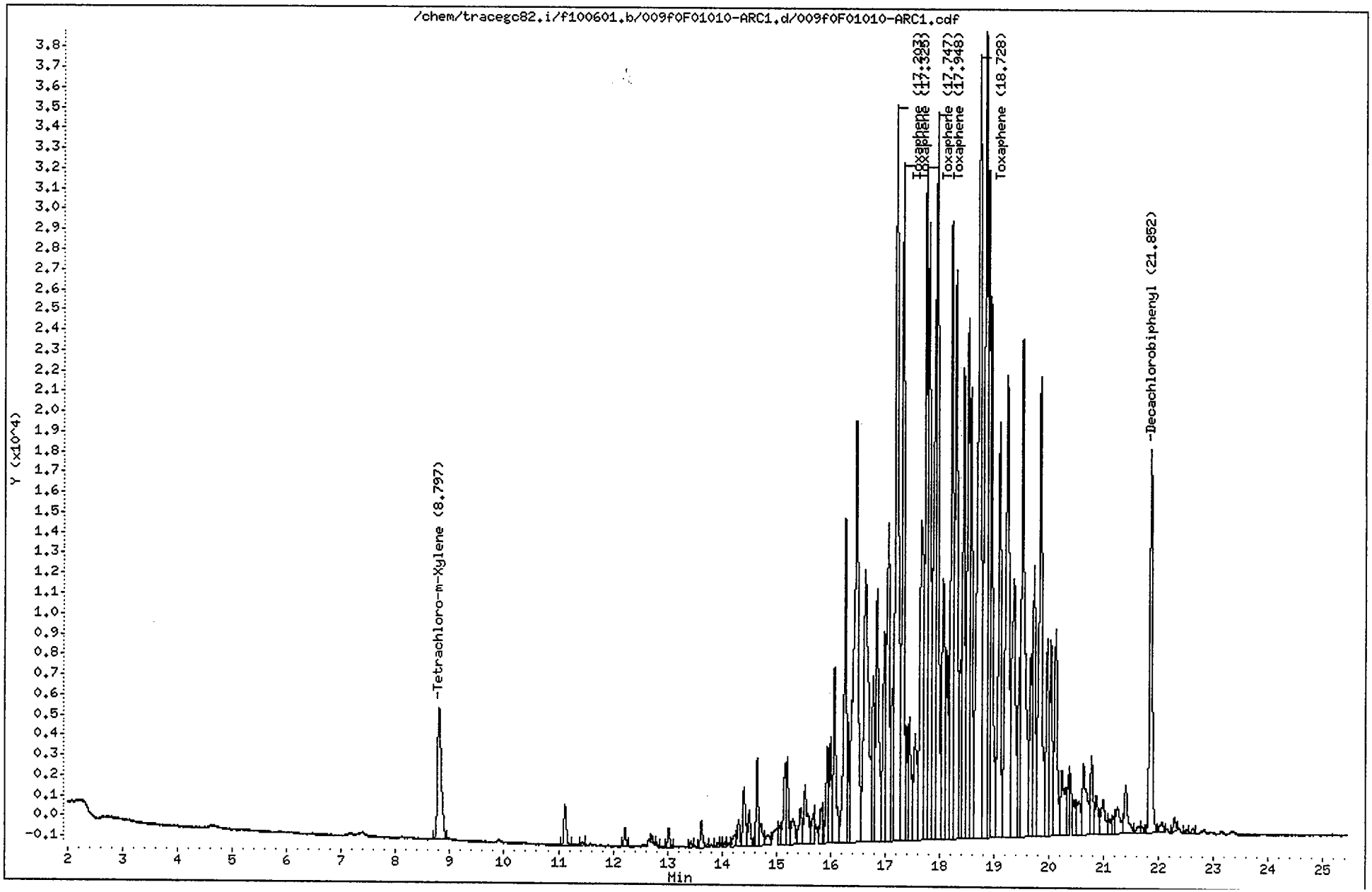
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc82.i

Operator: BWL

Column diameter: 0.32



CompuChem

Lab Smp Id : 0F01010-ARC1 Client Smp Id : TOXAPH3FA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 01-JUN-2010 19:42 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601.b/8081A_clpestv6.m
Misc. Info : TOXAPH3FA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
0.06		644					
1.36		678					
1.44		1130					
8.80	8.72 8.86	31801	1587700	Tetrachloro-m-Xylene	0.020000	1525050	
11.12		6462					
11.44		510					
12.22		2374					
12.71		915					
12.80		426					
13.02		2523					
13.43		681					
13.63		4369					
13.91		591					
14.05		561					
14.22		2317					
14.31		3875					
14.40		9959					
14.50		5437					
14.65		11295					
14.72		4381					
14.83		2931					
15.05		3084					
15.15		12352					
15.20		11776					
15.30		6241					
15.45		7143					
15.53		13648					
15.69		4458					
15.82		5098					
15.94		14710					
16.00		14674					
16.07		29748					
16.27		50748					
16.32		14711					
16.47		117271					
16.63		82430					
16.78		25002					
16.85		48722					
16.98		38780					
17.05		56955					
17.15		20414					
17.20	17.13 17.27	149548	74774	Toxaphene Peak 1	2.000000	74774	L

6/2/10

CompuChem

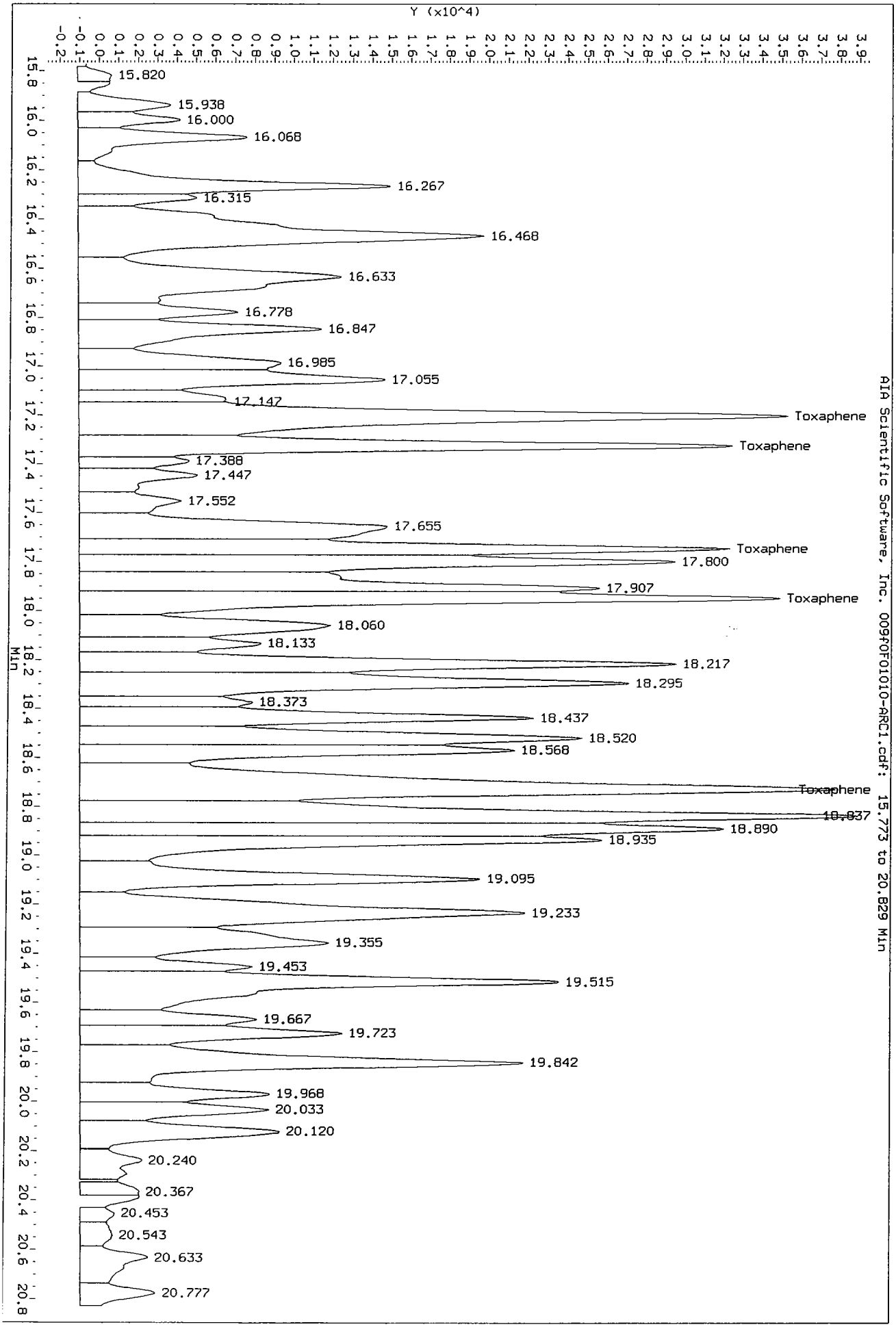
Lab Smp Id : 0F01010-ARC1 Client Smp Id : TOXAPH3FA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 01-JUN-2010 19:42 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601.b/8081A_clpestv6.m
Misc. Info : TOXAPH3FA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
17.32	17.25 17.39	97627	48813	Toxaphene Peak 2	2.000000	48813	
17.39		14333					
17.45		24258					
17.55		21533					
17.66		73233					
17.75	17.68 17.82	93208	46604	Toxaphene Peak 3	2.000000	46604	
17.80		93498					
17.91		89070					
17.95	17.88 18.02	114129	57064	Toxaphene Peak 4	2.000000	57064	
18.06		52328					
18.13		28642					
18.22		94055					
18.30		104518					
18.37		21424					
18.44		73022					
18.52		85133					
18.57		67804					
18.73	18.66 18.80	180369	90184	Toxaphene Peak 5	2.000000	90184	
18.84		140172					
18.89		95078					
18.93		83823					
19.09		72629					
19.23		105404					
19.36		64490					
19.45		23514					
19.52		107600					
19.67		27417					
19.72		45224					
19.84		91169					
19.97		32007					
20.03		31291					
20.12		39465					
20.24		17124					
20.37		8912					
20.45		5548					
20.54		8775					
20.63		19706					
20.78		13658					
20.86		7949					
20.98		8774					
21.11		2428					
21.18		2390					

CompuChem

Lab Smp Id : 0F01010-ARC1 Client Smp Id : TOXAPH3FA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 01-JUN-2010 19:42 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601.b/8081A_clpestv6.m
Misc. Info : TOXAPH3FA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
21.25		7792					
21.39		10415					
21.64		1535					
21.70		977					
21.85	21.78 21.92	63576	1622138	Decachlorobiphenyl	0.040000	1644075	
22.06		1904					
22.29		2093					
22.52		845					
22.62		963					


Data File: /chem/tracegc82.i/f100601.b/009f0f01010-ARC1.d/009f0f01010-ARC1.cdf
Injection Date: 01-JUN-2010 19:42
Instrument: tracegc82.i
Client Sample ID: TOXAPH3FA
Y (x10^4)
AIA Scientific Software, Inc. 009f0f01010-ARC1.cdf: 15.773 to 20.829 Min
Min
15.820
15.938
16.000
16.068
16.267
16.315
16.468
16.633
16.778
16.847
16.985
17.055
17.147
Toxaphene
Toxaphene
17.388
17.447
17.552
17.655
Toxaphene
17.800
17.907
Toxaphene
18.060
18.133
18.217
18.295
18.373
18.437
18.520
18.568
Toxaphene
18.837
18.890
18.935
19.095
19.233
19.355
19.453
19.515
19.667
19.723
19.842
19.968
20.033
20.120
20.240
20.367
20.453
20.543
20.633
20.777

Data File: /chem/tracegc82.i/f100601.b/010f0F01010-ARC2.d

Date : 01-JUN-2010 20:11

Client ID: CHLORO3FA

Instrument: tracegc82.i

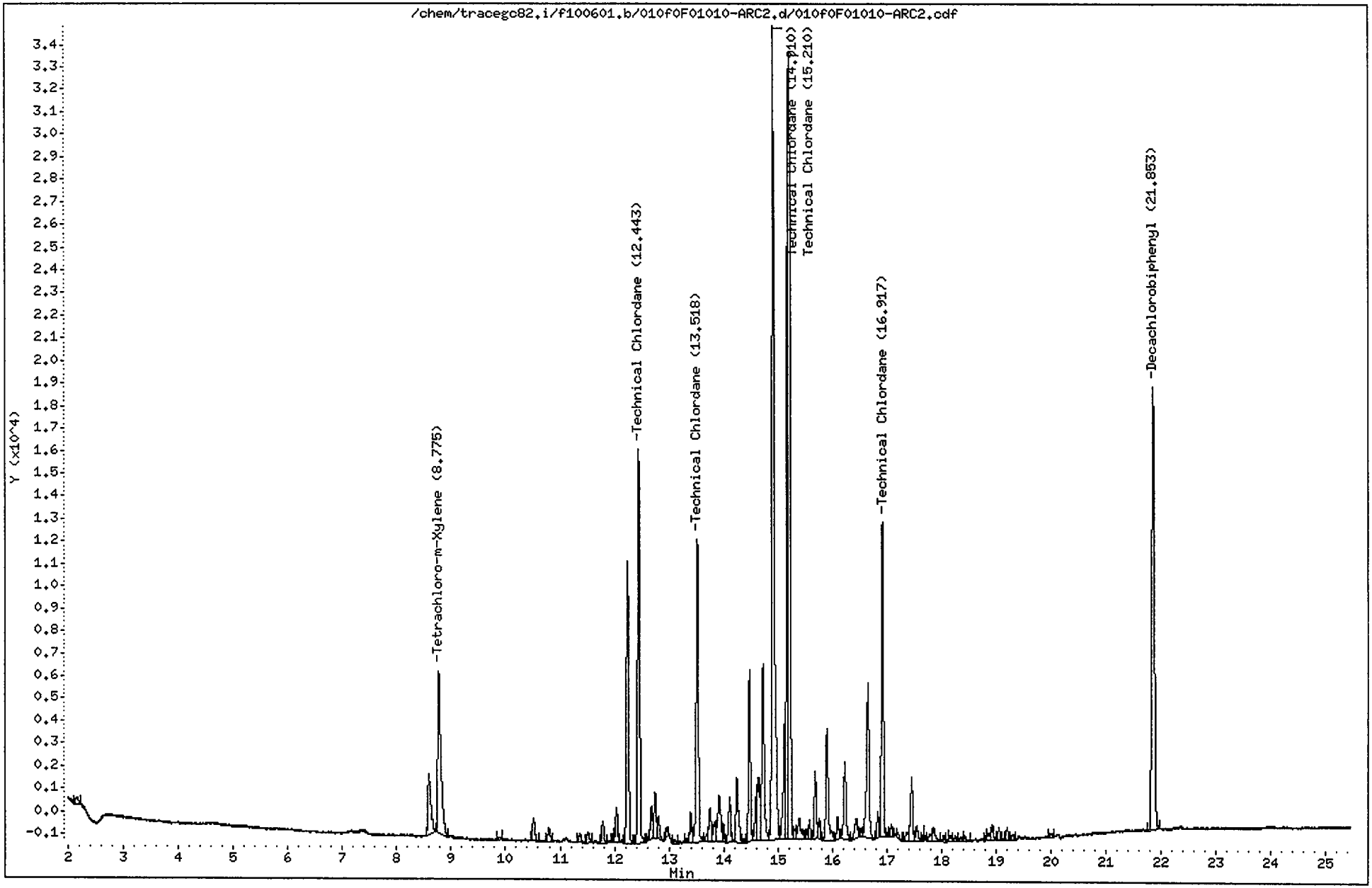
Sample Info: 0F01010-ARC2

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0F01010-ARC2 Client Smp Id : CHLORO3FA
Sample Type : INITIAL CAL: Level 3 Sublist : TechChlor
Inj Date : 01-JUN-2010 20:11 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601.b/8081A_clpestv6.m
Misc. Info : CHLORO3FA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.22			287					
1.35			24847					
2.16			1086					
8.59			10506					
8.78	8.72	8.86	28686	1587700	Tetrachloro-m-Xylene	0.020000	1525050	
9.89			288					
10.51			3146					
10.80			1860					
11.36			1178					
11.52			1344					
11.78			2651					
11.97			903					
12.04			4135					
12.24			33165					
12.44	12.37	12.51	45873	114680	TechnicalChlordane Peak 1	0.400000	114680	
12.62			283					
12.68			3781					
12.74			5736					
12.81			2653					
12.96			1025					
13.10			501					
13.32			368					
13.39			3305					
13.52	13.45	13.59	36845	92112	TechnicalChlordane Peak 2	0.400000	92113	
13.69			824					
13.75			4509					
13.83			2328					
13.92			7879					
14.00			1576					
14.11			5550					
14.24			9461					
14.37			416					
14.47			18273					
14.61			5216					
14.64			8800					
14.72			23981					
14.91	14.84	14.98	105050	262622	TechnicalChlordane Peak 3	0.400000	262623	
15.13			12997					
15.18			68264					
15.21	15.14	15.28	82526	206312	TechnicalChlordane Peak 4	0.400000	206313	
15.30			1299					
15.39			3822					

CompuChem

Lab Smp Id : 0F01010-ARC2 Client Smp Id : CHLORO3FA
Sample Type : INITIAL CAL: Level 3 Sublist : TechChlor
Inj Date : 01-JUN-2010 20:11 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601.b/8081A_clpestv6.m
Misc. Info : CHLORO3FA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.52		843					
15.58		1757					
15.69		7772					
15.76		2152					
15.90		15319					
16.09		2519					
16.23		10400					
16.44		3352					
16.52		1042					
16.65		21548					
16.83		2600					
16.92	16.85 16.99	33902	84755	TechnicalChlordane Peak 5	0.400000	84755	
17.01		378					
17.08		1219					
17.20		569					
17.36		1207					
17.46		7954					
17.55		1916					
17.67		439					
17.80		1007					
17.86		2015					
18.04		724					
18.16		699					
18.26		639					
18.36		644					
18.43		634					
18.82		328					
18.87		1072					
18.93		1773					
19.05		1377					
19.20		1420					
19.30		627					
20.00		552					
21.85	21.78 21.92	64279	1622138	Decachlorobiphenyl	0.040000	1644075	

Data File: /chem/tracegc82.i/f100601.b/011f0F01010-SCV1.d

Date : 01-JUN-2010 20:40

Client ID: PESTCHKFA

Instrument: tracegc82.i

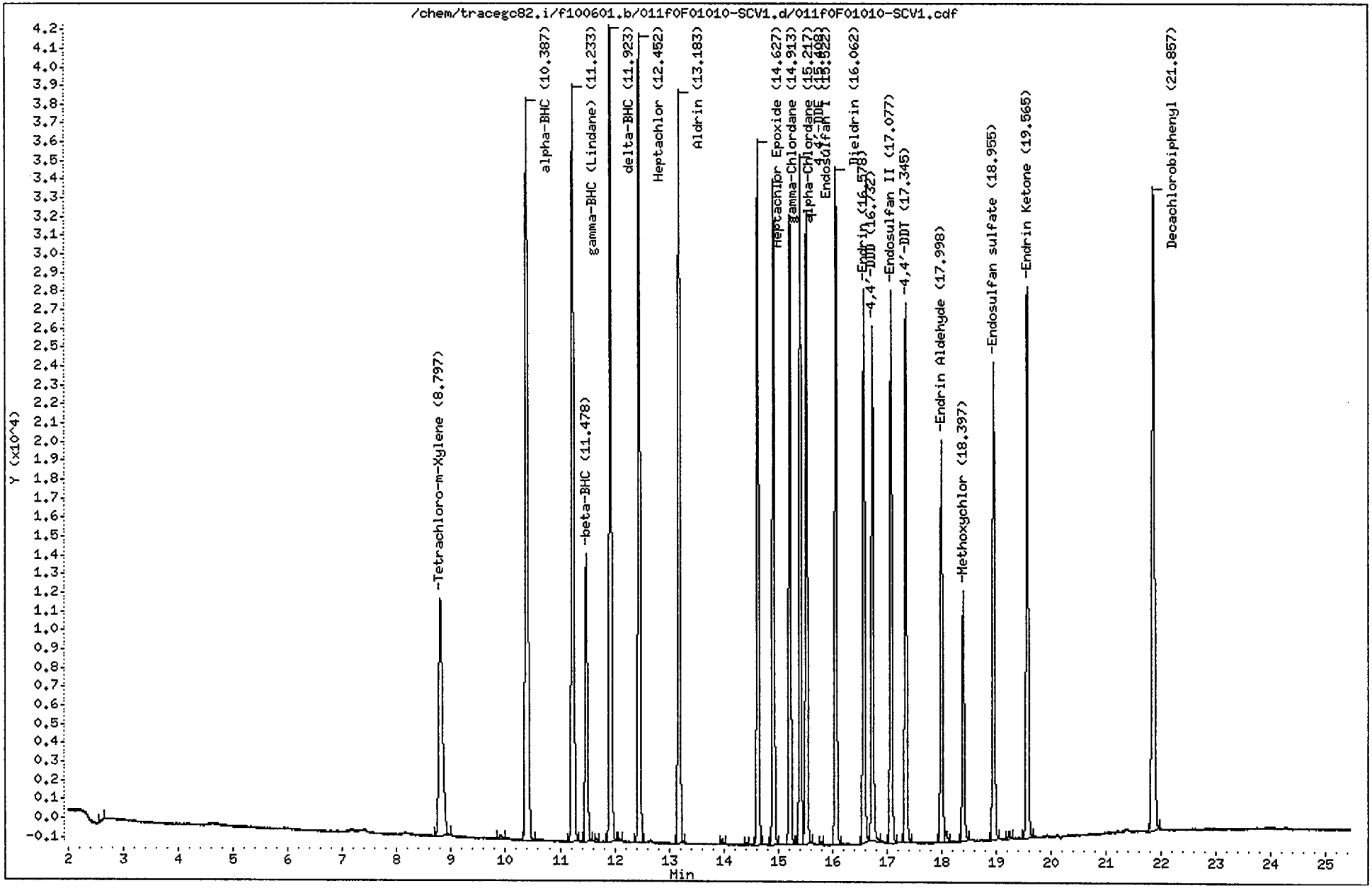
Sample Info: 0F01010-SCV1

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



CompuChem

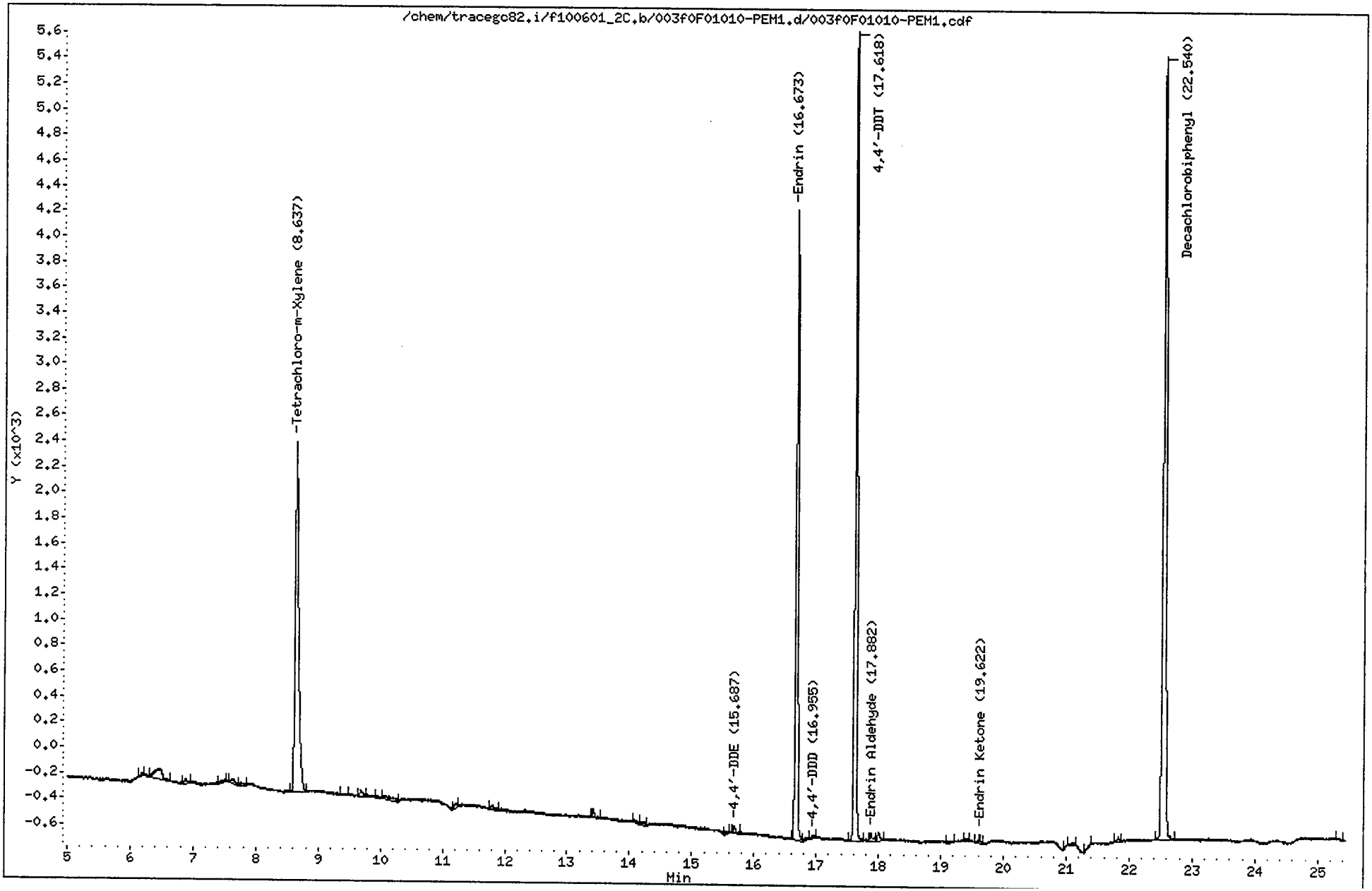
Lab Smp Id : 0F01010-SCV1 Client Smp Id : PESTCHKFA
Sample Type : QCCHECK Sublist : INDA
Inj Date : 01-JUN-2010 20:40 Inst ID : TRACEGC82
Operator : BWL Spike Sublist : INDAchek
Method : /chem/tracegc82.i/f100601.b/8081A_clpestv6.m
Misc. Info : PESTCHKFA

RT	AREA
1.36	2249
1.44	20693
2.64	329
8.80	62247
9.91	902
10.39	132268
11.23	118738
11.48	43096
11.67	430
11.92	117713
12.09	369
12.45	113340
13.18	103156
13.97	677
14.42	341
14.63	91370
14.91	85776
15.22	81209
15.41	86175
15.52	83817
15.79	308
16.06	87846
16.58	73082
16.73	65929
17.08	73450
17.34	69417
18.00	54466
18.09	1504
18.40	33497
18.95	65399
19.24	1034
19.57	77138
21.86	111534

Data File: /chem/tracegc82.i/f100601_2C.b/003f0F01010-PEM1.d
Date : 01-JUN-2010 16:47
Client ID: PEMFA
Sample Info: 0F01010-PEM1
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i

Operator: System
Column diameter: 0.32



CompuChem

Lab Smp Id : 0F01010-PEM1 Client Smp Id : PEMFA
Sample Type : SAMPLE Sublist : PEM
Inj Date : 01-JUN-2010 16:47 Inst ID : TRACEGC82
Operator : System
Method : /chem/tracegc82.i/f100601_2C.b/8081A_clpest2v6.m
Misc. Info : PEMFA

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
0.08			181								
0.37			541								
0.42			55								
1.05			84								
1.17			43								
1.36			39598								
2.62			635								
3.10			48								
3.73			76								
6.20			60								
6.43			684								
6.87			129								
7.46			106								
7.62			196								
7.76			113								
8.64	8.59	8.73	10414	548876	Tetrachloro-m-Xylene	0.018973	0.018973		95.8	43 - 135	
9.36			75								
9.68			162								
9.95			51								
10.06			281								
11.21			103								
11.80			141								
13.41			207								
14.09			99								
14.23			123								
15.55			60								
15.69	15.61	15.75	150	617325	4,4'-DDE	0.000242	0.000242	0.020000			J
16.67	16.60	16.74	11937	524785	Endrin	0.022746	0.022746	0.020000			
16.83			100								
16.96	16.87	17.01	71	454222	4,4'-DDD	0.000157	0.000157	0.020000			J
17.62	17.55	17.69	14640	503765	4,4'-DDT	0.029061	0.029061	0.020000			
17.88	17.81	17.95	206	425754	Endrin Aldehyde	0.000485	0.000485	0.020000			J
18.00			198								
19.13			88								
19.39			46								
19.62	19.55	19.69	176	535815	Endrin Ketone	0.000329	0.000329	0.020000			J
21.02			47								

CompuChem

Lab Smp Id : 0F01010-PEM1 Client Smp Id : PEMFA
Sample Type : SAMPLE Sublist : PEM
Inj Date : 01-JUN-2010 16:47 Inst ID :
Operator : System
Method : /chem/tracegc82.i/f100601_2C.b/8081A_clpest2v6.m
Misc. Info : PEMFA

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
21.08		95								
21.38		48								
21.82		92								
22.54	22.47 22.61	19788	497254	Decachlorobiphenyl	0.039794	0.039794		100.5	43 - 144	
25.32		58								

Data File: /chem/tracegc82.i/f100601_2C.b/004f0F01010-CAL1.d

Date : 01-JUN-2010 17:16

Client ID: INDC1FA

Sample Info: 0F01010-CAL1

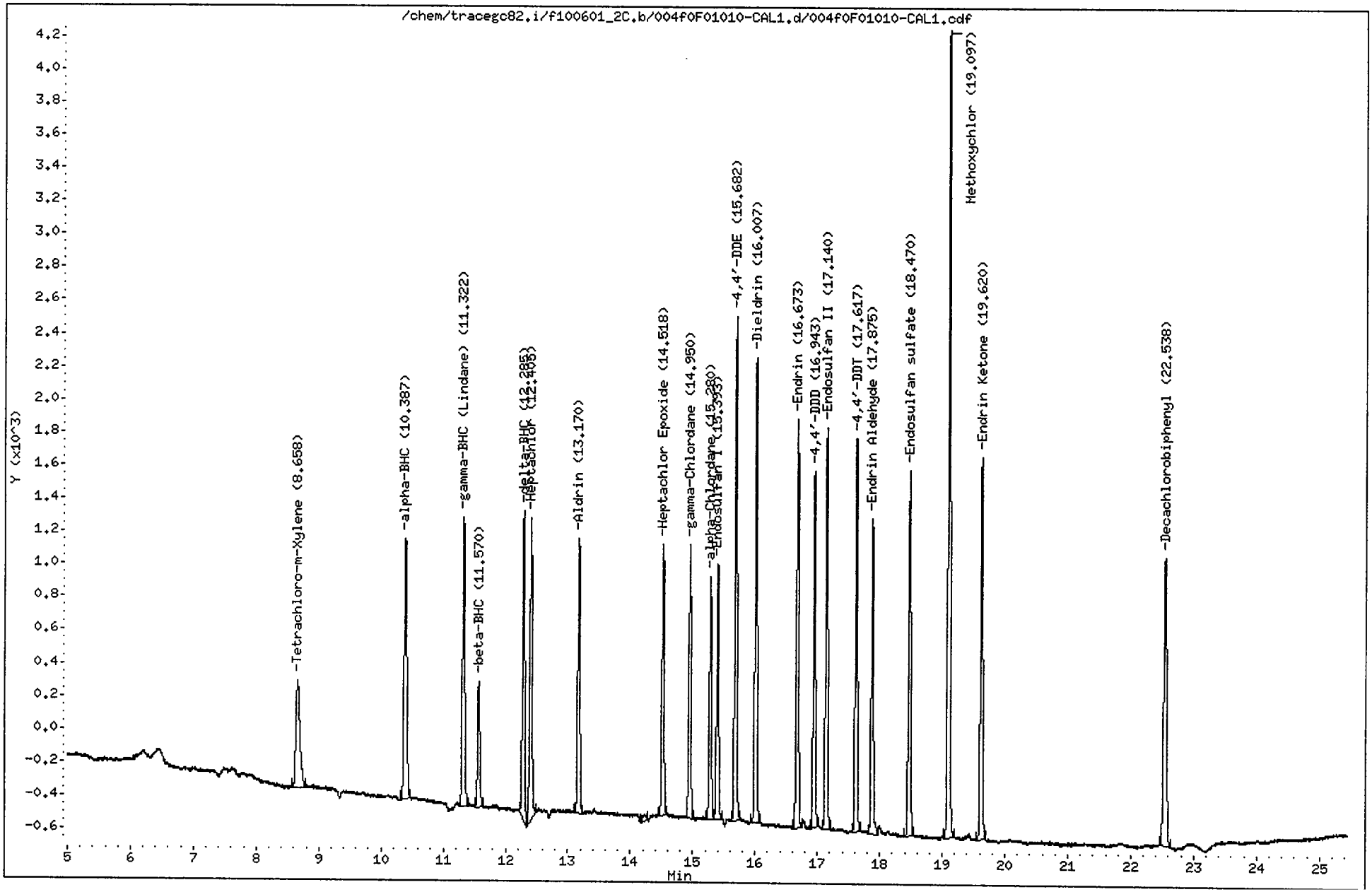
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL

Column diameter: 0.32



CompuChem

Lab Smp Id : 0F01010-CAL1 Client Smp Id : INDC1FA
Sample Type : INITIAL CAL: Level 1 Sublist : INDA
Inj Date : 01-JUN-2010 17:16 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601_2C.b/8081A_clpest2v6.m
Misc. Info : INDC1FA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
0.06			130					
1.30			183					
1.35			575					
1.51			237309					
8.66	8.58	8.72	2927	548876	Tetrachloro-m-Xylene	0.005000	585400	
10.39	10.32	10.46	4721	916452	alpha-BHC	0.005000	944200	
11.32	11.25	11.39	4497	866882	gamma-BHC (Lindane)	0.005000	899200	
11.57	11.50	11.64	1840	347428	beta-BHC	0.005000	367800	
12.28	12.22	12.36	4378	827595	delta-BHC	0.005000	875600	
12.40	12.33	12.47	4655	778205	Heptachlor	0.005500	846364	
13.17	13.10	13.24	3982	726628	Aldrin	0.005000	796200	
14.22			127					
14.52	14.45	14.59	3756	683115	Heptachlor Epoxide	0.005000	751000	
14.95	14.88	15.02	3797	690205	gamma-Chlordane	0.005000	759400	
15.28	15.21	15.35	3310	595455	alpha-Chlordane	0.005000	661800	
15.39	15.32	15.46	3590	638725	Endosulfan I	0.005000	718000	
15.68	15.61	15.75	6708	617325	4,4'-DDE	0.010000	670700	
16.01	15.94	16.08	6485	598394	Dieldrin	0.010000	648500	
16.67	16.60	16.74	5776	524785	Endrin	0.010000	577600	
16.94	16.88	17.02	4783	454222	4,4'-DDD	0.010000	478200	
17.14	17.07	17.21	5677	526756	Endosulfan II	0.010000	567700	
17.62	17.55	17.69	5327	503765	4,4'-DDT	0.010000	532700	
17.88	17.80	17.94	4609	425754	Endrin Aldehyde	0.010000	460900	
18.47	18.40	18.54	5186	479624	Endosulfan sulfate	0.010000	518600	
19.10	19.03	19.17	11409	208391	Methoxychlor	0.050000	228160	
19.62	19.55	19.69	5625	535815	Endrin Ketone	0.010000	562500	
22.54	22.47	22.61	5516	497254	Decachlorobiphenyl	0.010000	551500	

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Data File: /chem/tracegc82.i/f100601_2C.b/005f0F01010-CAL2.d

Date : 01-JUN-2010 17:45

Client ID: INDC2FA

Sample Info: 0F01010-CAL2

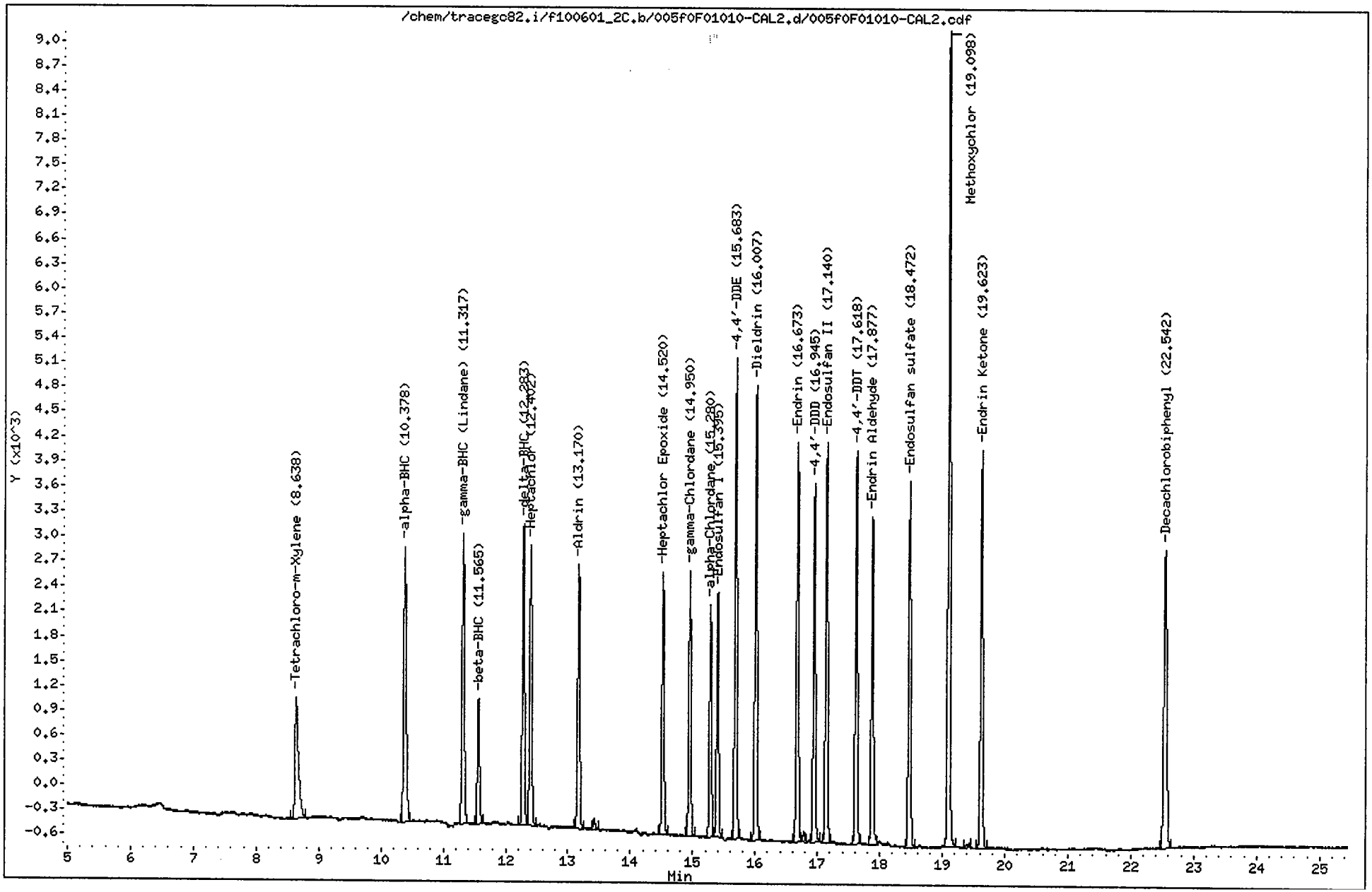
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL

Column diameter: 0.32



CompuChem

Lab Smp Id : 0F01010-CAL2 Client Smp Id : INDC2FA
Sample Type : INITIAL CAL: Level 2 Sublist : INDA
Inj Date : 01-JUN-2010 17:45 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601_2C.b/8081A_clpest2v6.m
Misc. Info : INDC2FA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.33			1025					
1.36			39937					
1.76			12747					
1.94			15537					
8.64	8.58	8.72	5717	548876	Tetrachloro-m-Xylene	0.010000	571700	
10.38	10.32	10.46	9330	916452	alpha-BHC	0.010000	933000	
11.32	11.25	11.39	8783	866882	gamma-BHC (Lindane)	0.010000	878200	
11.56	11.50	11.64	3659	347428	beta-BHC	0.010000	365900	
12.28	12.22	12.36	8355	827595	delta-BHC	0.010000	835500	
12.40	12.33	12.47	8208	778205	Heptachlor	0.010000	820800	
13.17	13.10	13.24	7654	726628	Aldrin	0.010000	765400	
13.42			289					
14.52	14.45	14.59	7298	683115	Heptachlor Epoxide	0.010000	729800	
14.95	14.88	15.02	7401	690205	gamma-Chlordane	0.010000	740100	
15.28	15.21	15.35	6378	595455	alpha-Chlordane	0.010000	637800	
15.40	15.32	15.46	6867	638725	Endosulfan I	0.010000	686700	
15.68	15.61	15.75	12915	617325	4,4'-DDE	0.020000	645750	
16.01	15.94	16.08	12755	598394	Dieldrin	0.020000	637750	
16.67	16.60	16.74	11432	524785	Endrin	0.020000	571600	
16.78			275					
16.94	16.88	17.02	9651	454222	4,4'-DDD	0.020000	482500	
17.14	17.07	17.21	11424	526756	Endosulfan II	0.020000	571150	
17.62	17.55	17.69	10748	503765	4,4'-DDT	0.020000	537350	
17.88	17.80	17.94	9406	425754	Endrin Aldehyde	0.020000	470250	
18.47	18.40	18.54	10648	479624	Endosulfan sulfate	0.020000	532400	
19.10	19.03	19.17	23137	208391	Methoxychlor	0.100000	231360	
19.39			159					
19.62	19.55	19.69	11856	535815	Endrin Ketone	0.020000	592750	
22.54	22.47	22.61	11550	497254	Decachlorobiphenyl	0.020000	577450	

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Data File: /chem/tracegc82.i/f100601_2C.b/006f0F01010-CAL3.d

Date : 01-JUN-2010 18:14

Client ID: INDC3FA

Sample Info: 0F01010-CAL3

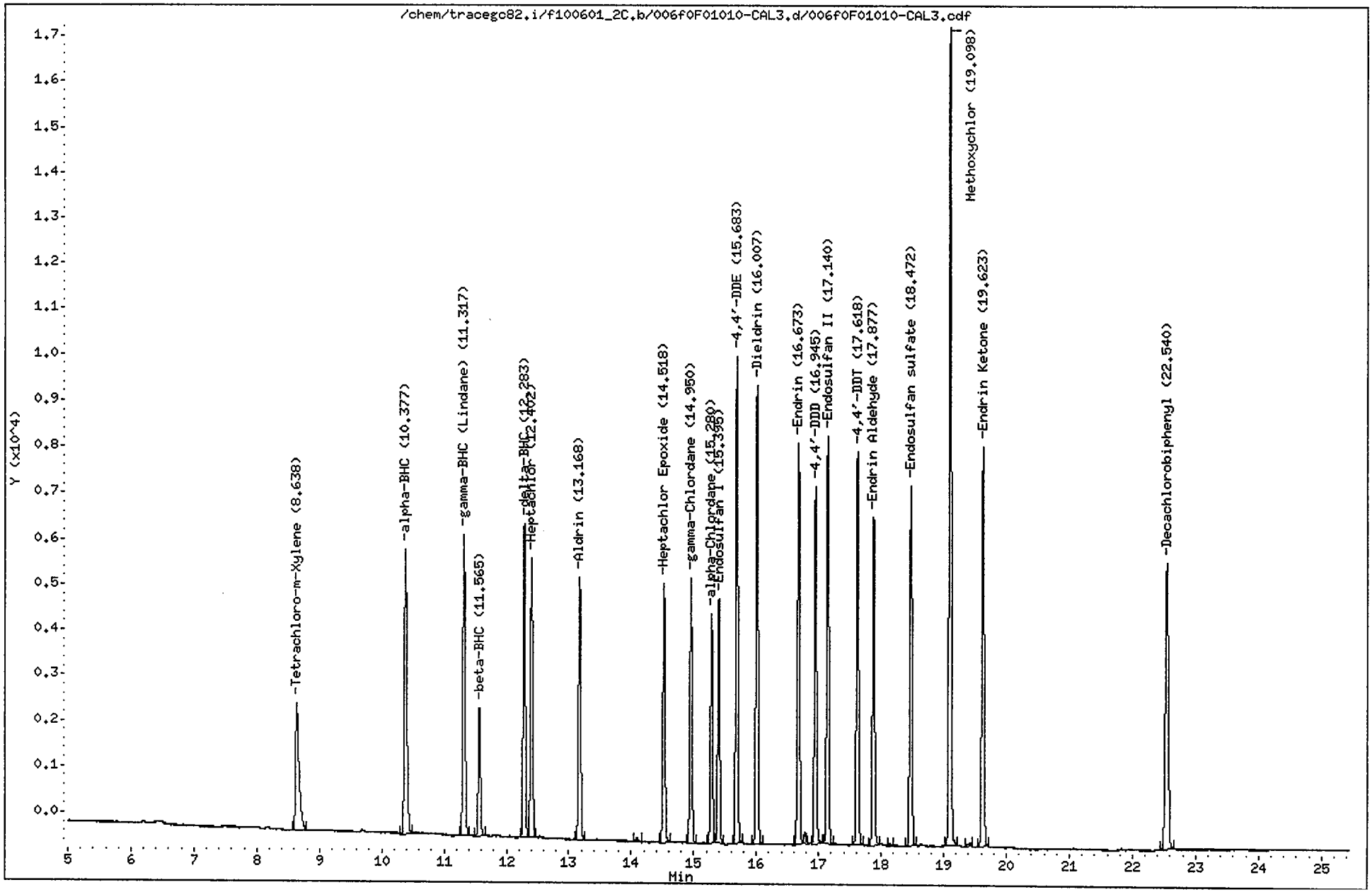
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL

Column diameter: 0.32



CompuChem

Lab Smp Id : 0F01010-CAL3 Client Smp Id : INDC3FA
Sample Type : INITIAL CAL: Level 3 Sublist : INDA
Inj Date : 01-JUN-2010 18:14 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3FA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.34			853					
1.36			42966					
1.76			13331					
1.95			16834					
2.64			413					
8.64	8.58	8.72	10510	548876	Tetrachloro-m-Xylene	0.020000	525450	
10.38	10.32	10.46	17417	916452	alpha-BHC	0.020000	870800	
11.32	11.25	11.39	16506	866882	gamma-BHC (Lindane)	0.020000	825300	
11.56	11.50	11.64	6748	347428	beta-BHC	0.020000	337350	
12.28	12.22	12.36	15689	827595	delta-BHC	0.020000	784450	
12.40	12.33	12.47	14910	778205	Heptachlor	0.020000	745450	
13.17	13.10	13.24	13897	726628	Aldrin	0.020000	694850	
14.09			204					
14.52	14.45	14.59	13242	683115	Heptachlor Epoxide	0.020000	662050	
14.95	14.88	15.02	13319	690205	gamma-Chlordane	0.020000	665950	
15.28	15.21	15.35	11497	595455	alpha-Chlordane	0.020000	574850	
15.40	15.32	15.46	12392	638725	Endosulfan I	0.020000	619550	
15.68	15.61	15.75	23516	617325	4,4'-DDE	0.040000	587900	
16.01	15.94	16.08	23212	598394	Dieldrin	0.040000	580275	
16.67	16.60	16.74	20625	524785	Endrin	0.040000	515625	
16.78			556					
16.94	16.88	17.02	17717	454222	4,4'-DDD	0.040000	442925	
17.14	17.07	17.21	20915	526756	Endosulfan II	0.040000	522875	
17.62	17.55	17.69	19611	503765	4,4'-DDT	0.040000	490275	
17.88	17.80	17.94	17308	425754	Endrin Aldehyde	0.040000	432675	
18.13			138					
18.47	18.40	18.54	19117	479624	Endosulfan sulfate	0.040000	477925	
19.10	19.03	19.17	41394	208391	Methoxychlor	0.200000	206965	
19.38			304					
19.62	19.55	19.69	21541	535815	Endrin Ketone	0.040000	538525	
22.54	22.47	22.61	20374	497254	Decachlorobiphenyl	0.040000	509350	

Data File: /chem/tracegc82.i/f100601_2C.b/007f0F01010-CAL4.d

Date : 01-JUN-2010 18:43

Client ID: INDC4FA

Sample Info: 0F01010-CAL4

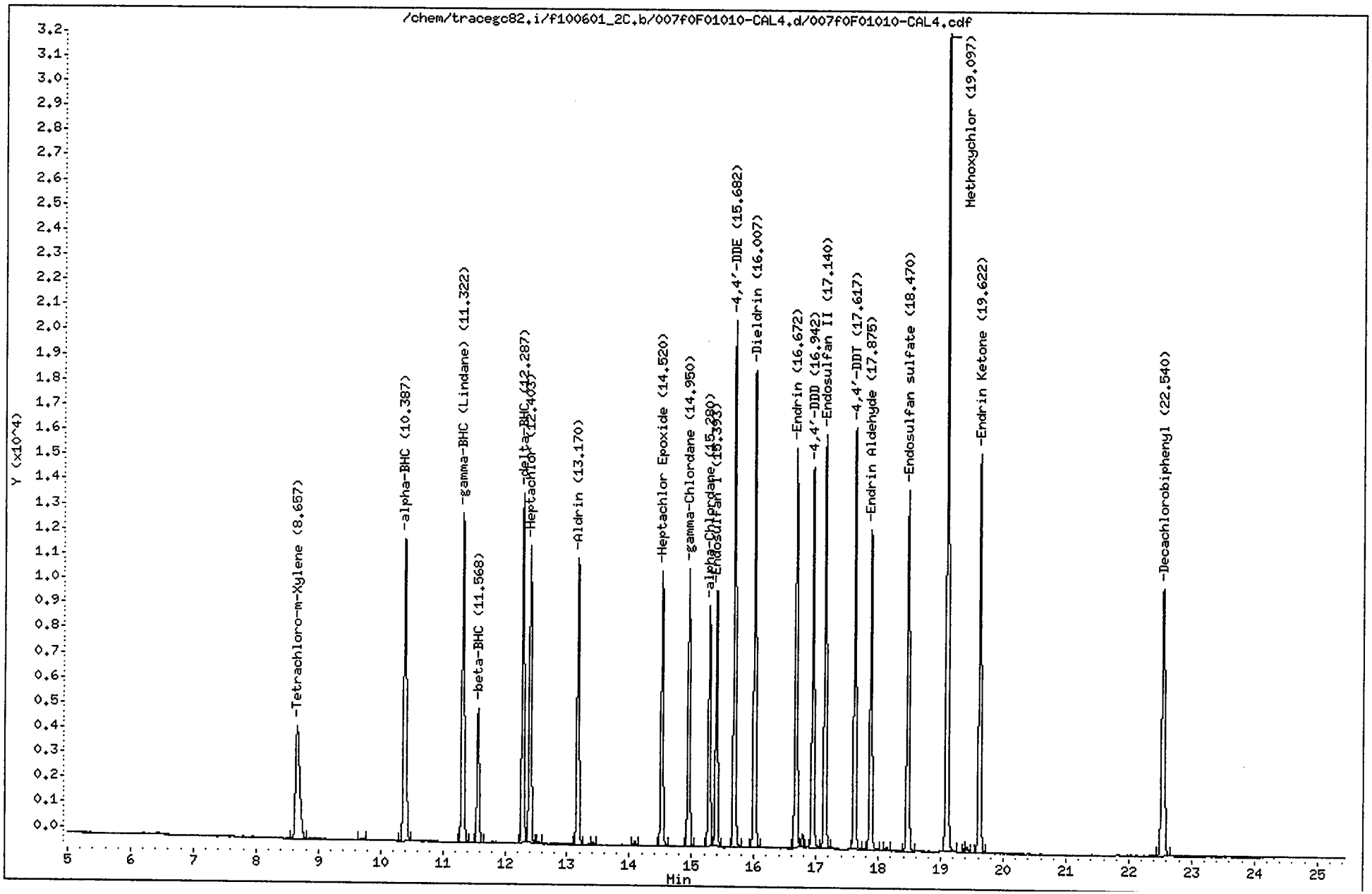
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL

Column diameter: 0.32



CompuChem

Lab Smp Id : 0F01010-CAL4 Client Smp Id : INDC4FA
Sample Type : INITIAL CAL: Level 4 Sublist : INDA
Inj Date : 01-JUN-2010 18:43 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601_2C.b/8081A_clpest2v6.m
Misc. Info : INDC4FA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.35			400					
1.49			68742					
2.65			305					
8.66	8.58	8.72	21289	548876	Tetrachloro-m-Xylene	0.040000	532200	
9.70			284					
10.39	10.32	10.46	36041	916452	alpha-BHC	0.040000	901025	
11.32	11.25	11.39	34087	866882	gamma-BHC (Lindane)	0.040000	852175	
11.57	11.50	11.64	13386	347428	beta-BHC	0.040000	334625	
12.29	12.22	12.36	32147	827595	delta-BHC	0.040000	803675	
12.40	12.33	12.47	29628	778205	Heptachlor	0.040000	740675	
12.54			158					
13.17	13.10	13.24	27601	726628	Aldrin	0.040000	690025	
13.42			180					
14.09			359					
14.52	14.45	14.59	25730	683115	Heptachlor Epoxide	0.040000	643250	
14.95	14.88	15.02	25844	690205	gamma-Chlordane	0.040000	646075	
15.28	15.21	15.35	22287	595455	alpha-Chlordane	0.040000	557175	
15.39	15.32	15.46	23705	638725	Endosulfan I	0.040000	592625	
15.68	15.61	15.75	46840	617325	4,4'-DDE	0.080000	585500	
16.01	15.94	16.08	44897	598394	Dieldrin	0.080000	561200	
16.67	16.60	16.74	38600	524785	Endrin	0.080000	482487	
16.78			1103					
16.94	16.88	17.02	34447	454222	4,4'-DDD	0.080000	430575	
17.14	17.07	17.21	39018	526756	Endosulfan II	0.080000	487713	
17.62	17.55	17.69	37999	503765	4,4'-DDT	0.080000	474987	
17.88	17.80	17.94	30912	425754	Endrin Aldehyde	0.080000	386400	
18.14			256					
18.47	18.40	18.54	35055	479624	Endosulfan sulfate	0.080000	438187	
19.10	19.03	19.17	75439	208391	Methoxychlor	0.400000	188595	
19.38			299					
19.43			553					
19.62	19.55	19.69	39611	535815	Endrin Ketone	0.080000	495137	
22.54	22.47	22.61	34944	497254	Decachlorobiphenyl	0.080000	436787	

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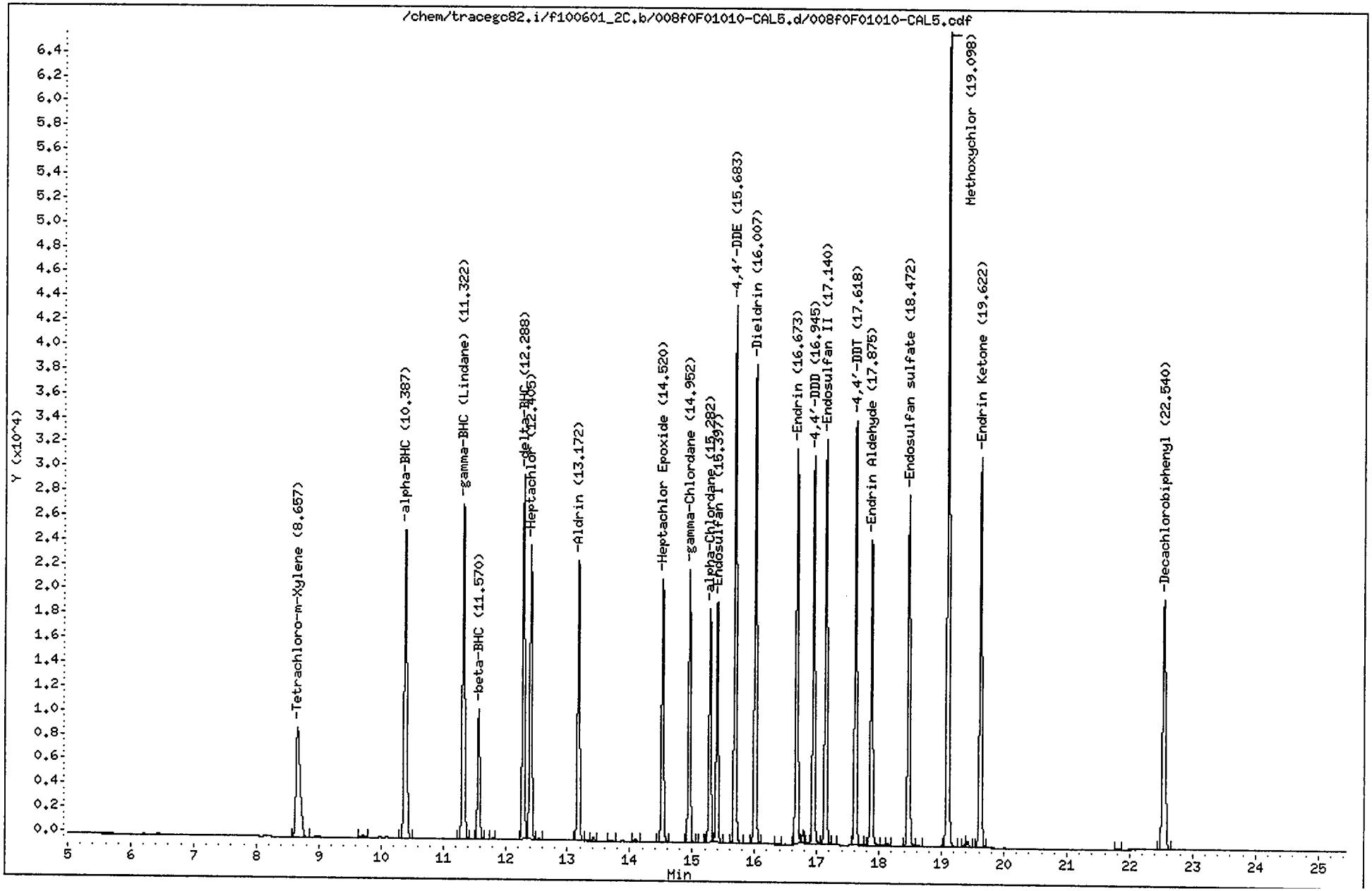
Data File: /chem/tracegc82.i/f100601_2C.b/008f0F01010-CAL5.d
Date : 01-JUN-2010 19:13
Client ID: INDC5FA
Sample Info: 0F01010-CAL5
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : 0F01010-CAL5 Client Smp Id : INDC5FA
Sample Type : INITIAL CAL: Level 5 Sublist : INDA
Inj Date : 01-JUN-2010 19:13 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601_2C.b/8081A_clpest2v6.m
Misc. Info : INDC5FA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.35			382					
1.50			72033					
2.66			169					
8.66	8.58	8.72	42370	548876	Tetrachloro-m-Xylene	0.080000	529625	
9.71			635					
10.39	10.32	10.46	74660	916452	alpha-BHC	0.080000	933237	
11.32	11.25	11.39	70364	866882	gamma-BHC (Lindane)	0.080000	879537	
11.57	11.50	11.64	26517	347428	beta-BHC	0.080000	331463	
11.80			235					
12.29	12.22	12.36	67100	827595	delta-BHC	0.080000	838750	
12.40	12.33	12.47	59020	778205	Heptachlor	0.080000	737737	
12.54			322					
13.17	13.10	13.24	54933	726628	Aldrin	0.080000	686663	
13.42			608					
13.69			234					
14.10			568					
14.52	14.45	14.59	50358	683115	Heptachlor Epoxide	0.080000	629475	
14.95	14.88	15.02	51161	690205	gamma-Chlordane	0.080000	639500	
15.16			152					
15.28	15.21	15.35	43653	595455	alpha-Chlordane	0.080000	545650	
15.40	15.32	15.46	46140	638725	Endosulfan I	0.080000	576750	
15.68	15.61	15.75	95485	617325	4,4'-DDE	0.160000	596775	
16.01	15.94	16.08	90279	598394	Dieldrin	0.160000	564244	
16.37			189					
16.67	16.60	16.74	76258	524785	Endrin	0.160000	476613	
16.78			2234					
16.86			199					
16.94	16.88	17.02	69906	454222	4,4'-DDD	0.160000	436913	
17.14	17.07	17.21	77495	526756	Endosulfan II	0.160000	484344	
17.27			150					
17.62	17.55	17.69	77362	503765	4,4'-DDT	0.160000	483513	
17.88	17.80	17.94	60568	425754	Endrin Aldehyde	0.160000	378544	
18.06			209					
18.13			619					
18.47	18.40	18.54	68961	479624	Endosulfan sulfate	0.160000	431006	
18.63			165					
19.10	19.03	19.17	149501	208391	Methoxychlor	0.800000	186875	
19.38			581					
19.42			1054					
19.62	19.55	19.69	78427	535815	Endrin Ketone	0.160000	490163	
21.82			236					
22.54	22.47	22.61	65790	497254	Decachlorobiphenyl	0.160000	411181	

Data File: /chem/tracegc82.i/f100601_2C.b/009f0F01010-ARC1.d

Date : 01-JUN-2010 19:42

Client ID: TOXAPH3FA

Sample Info: 0F01010-ARC1

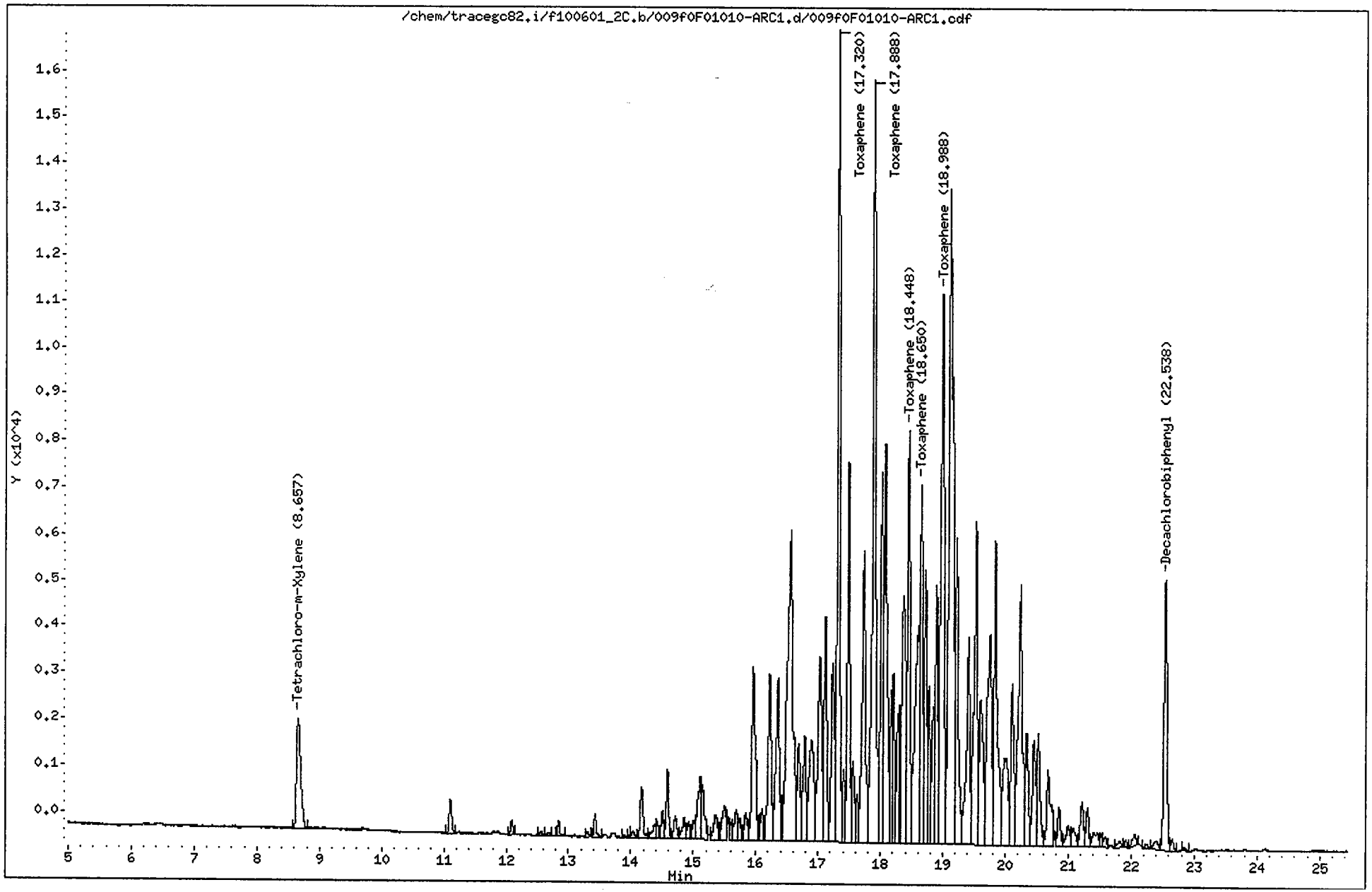
Volume Injected (uL): 1.0

Column phase: olpest2

Instrument: tracegc82.i

Operator: BWL

Column diameter: 0.32



CompuChem

Lab Smp Id : 0F01010-ARC1 Client Smp Id : TOXAPH3FA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 01-JUN-2010 19:42 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601_2C.b/8081A_clpest2v6.m
Misc. Info : TOXAPH3FA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.35			413					
1.50			67818					
2.60			168					
8.66	8.58	8.72	11058	548876	Tetrachloro-m-Xylene	0.020000	525450	
11.10			2136					
12.09			783					
12.56			245					
12.67			259					
12.84			782					
13.30			243					
13.43			1241					
13.90			134					
13.98			127					
14.03			422					
14.17			3522					
14.38			1130					
14.43			931					
14.50			1681					
14.59			3752					
14.71			1686					
14.85			1677					
14.93			1017					
15.01			1114					
15.11			5652					
15.15			3637					
15.36			2412					
15.50			3000					
15.61			913					
15.69			2408					
15.74			1317					
15.84			2085					
15.96			14755					
16.05			771					
16.10			1970					
16.22			13236					
16.36			13310					
16.41			2174					
16.55			41013					
16.68			7173					
16.79			8363					
16.89			12641					
17.02			17026					

CompuChem

Lab Smp Id : 0F01010-ARC1 Client Smp Id : TOXAPH3FA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 01-JUN-2010 19:42 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601_2C.b/8081A_clpest2v6.m
Misc. Info : TOXAPH3FA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
17.11		15772					
17.23		13221					
17.32	17.25 17.39	48195	24097	Toxaphene Peak 1	2.000000	24097	
17.41		4033					
17.48		22539					
17.56		5678					
17.63		2652					
17.73		24167					
17.89	17.82 17.96	58764	29382	Toxaphene Peak 2	2.000000	29381	
18.02		21958					
18.07		29607					
18.18		7156					
18.20		9785					
18.29		6268					
18.31		6485					
18.36		21693					
18.45	18.38 18.52	25900	12950	Toxaphene Peak 3	2.000000	12950	
18.60		23048					
18.65	18.58 18.72	22153	11076	Toxaphene Peak 4	2.000000	11077	
18.72		16411					
18.77		8748					
18.84		7576					
18.89		15094					
18.99	18.92 19.06	47239	23620	Toxaphene Peak 5	2.000000	23619	
19.11		67795					
19.22		21833					
19.41		16979					
19.53		25007					
19.60		14342					
19.75		23390					
19.84		24539					
19.98		11693					
20.10		12464					
20.23		25484					
20.34		8521					
20.45		7990					
20.52		8339					
20.68		7451					
20.86		2702					
21.00		1875					
21.08		1867					
21.21		3534					

2nd

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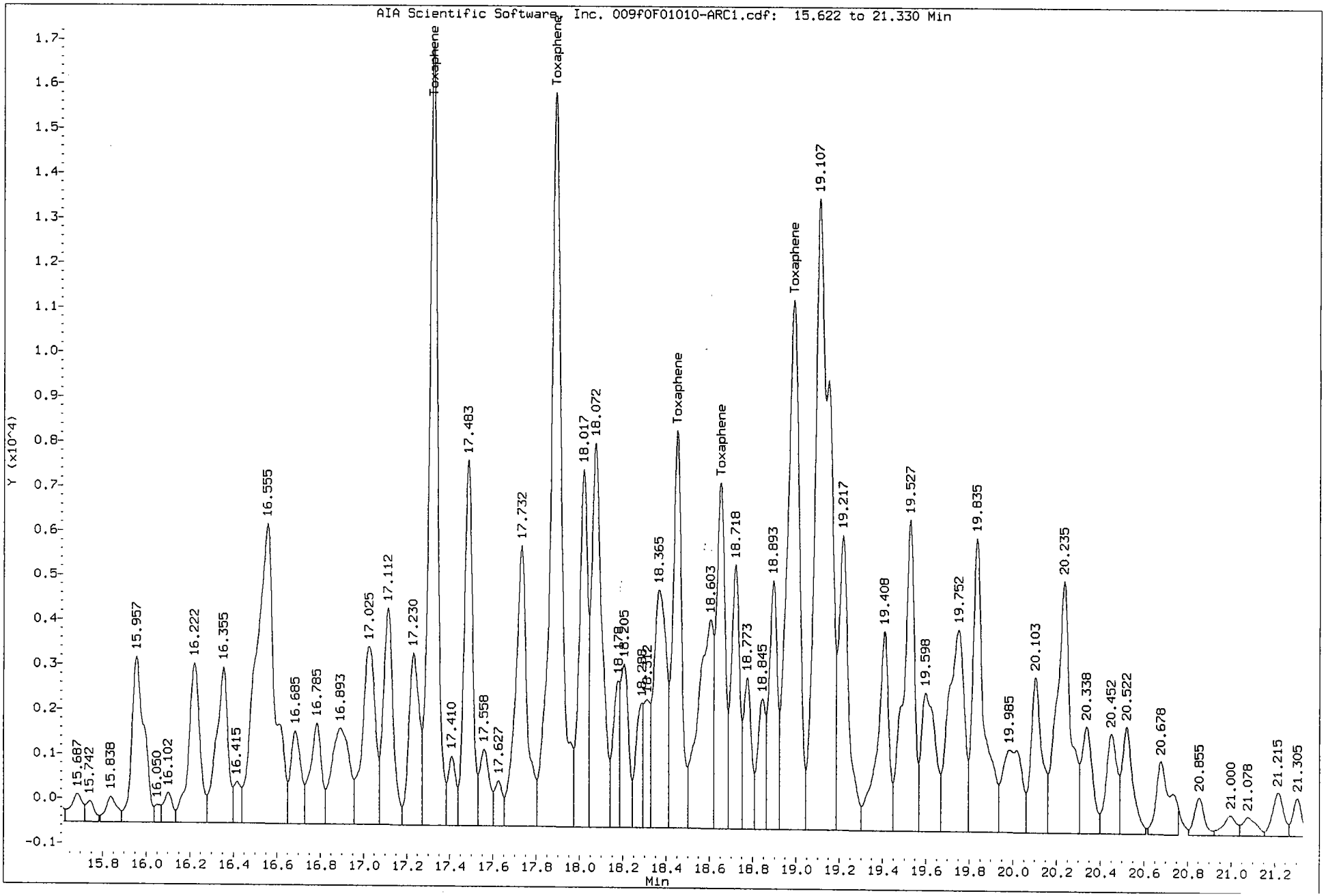
6/2/10

CompuChem

Lab Smp Id : 0F01010-ARC1 Client Smp Id : TOXAPH3FA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 01-JUN-2010 19:42 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601_2C.b/8081A_clpest2v6.m
Misc. Info : TOXAPH3FA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
21.30		2459					
21.41		2004					
21.52		765					
21.59		707					
21.82		489					
21.91		413					
22.06		1035					
22.24		295					
22.40		876					
22.54	22.47 22.61	19384	497254	Decachlorobiphenyl	0.040000	509350	
22.65		769					
22.85		201					

Data File: /chem/tracegc82.i/f100601_2C.b/009f0F01010-ARC1.d/009f0F01010-ARC1.cdf
Injection Date: 01-JUN-2010 19:42
Instrument: tracegc82.i
Client Sample ID: TOXAPH3FA



Data File: /chem/tracegc82.i/f100601_2C.b/010f0F01010-ARC2.d

Page 1

Date : 01-JUN-2010 20:11

Client ID: CHLOR03FA

Instrument: tracegc82.i

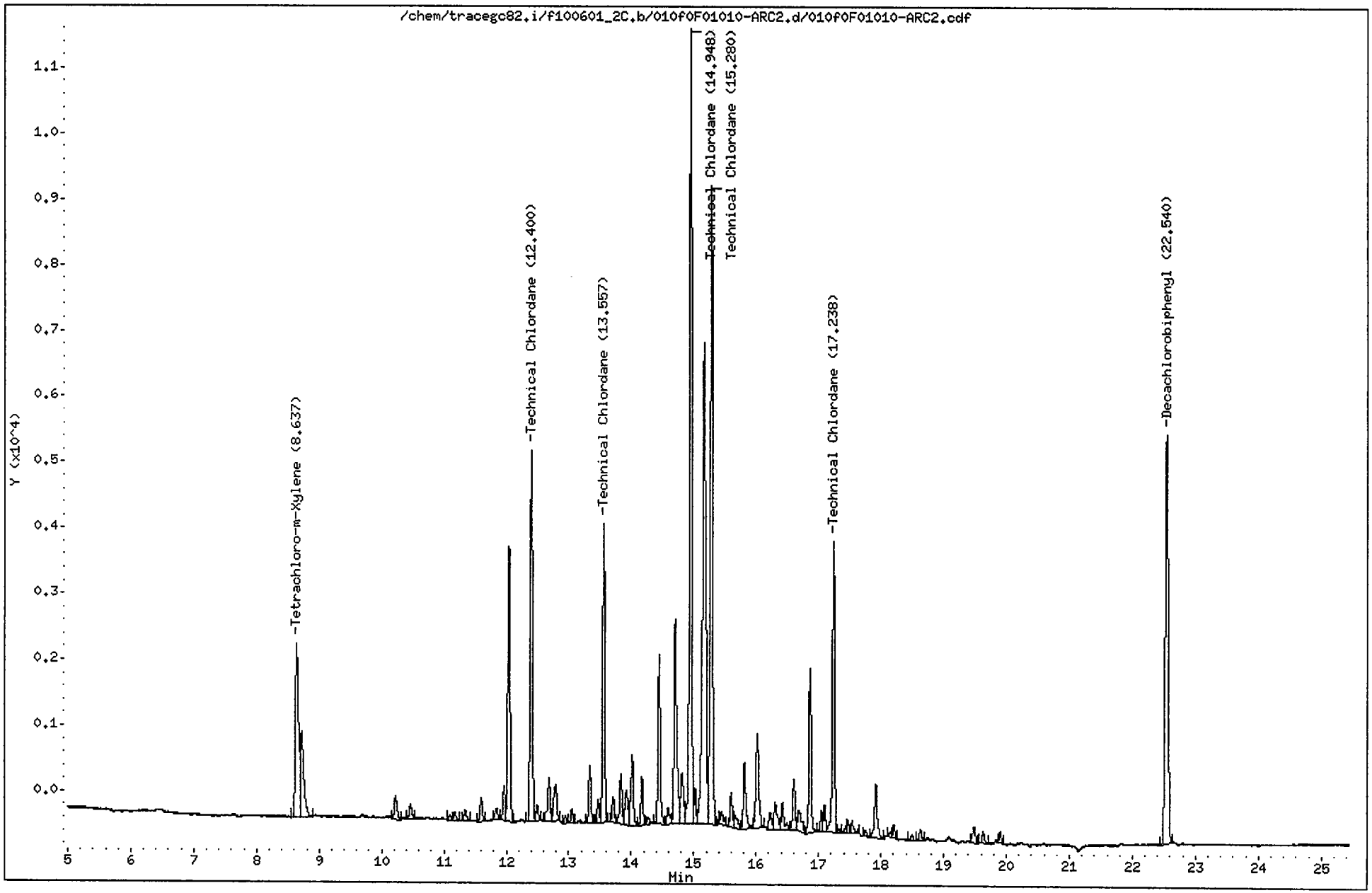
Sample Info: 0F01010-ARC2

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0F01010-ARC2 Client Smp Id : CHLORO3FA
Sample Type : INITIAL CAL: Level 3 Sublist : TechChlor
Inj Date : 01-JUN-2010 20:11 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601_2C.b/8081A_clpest2v6.m
Misc. Info : CHLORO3FA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.33			355					
1.36			17960					
1.94			1315					
2.60			212					
8.64	8.58	8.72	9170	548876	Tetrachloro-m-Xylene	0.020000	525450	
8.71			5046					
10.22			1053					
10.46			618					
11.10			168					
11.17			311					
11.34			456					
11.60			941					
11.84			497					
11.96			1312					
12.04			10517					
12.40	12.33	12.47	13815	34535	TechnicalChlordane Peak 1	0.400000	34535	
12.49			588					
12.69			1925					
12.79			1890					
12.95			232					
13.05			491					
13.34			2121					
13.47			744					
13.56	13.49	13.63	10682	26705	TechnicalChlordane Peak 2	0.400000	26705	
13.71			955					
13.84			2005					
13.92			1742					
14.02			3361					
14.17			1670					
14.27			347					
14.45			6300					
14.59			757					
14.70			9253					
14.81			2662					
14.95	14.88	15.02	29262	73155	TechnicalChlordane Peak 3	0.400000	73155	
15.02			1191					
15.16			26649					
15.28	15.21	15.35	24352	60880	TechnicalChlordane Peak 4	0.400000	60880	
15.40			174					
15.45			649					
15.60			1252					
15.66			778					

CompuChem

Lab Smp Id : 0F01010-ARC2 Client Smp Id : CHLORO3FA
Sample Type : INITIAL CAL: Level 3 Sublist : TechChlor
Inj Date : 01-JUN-2010 20:11 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601_2C.b/8081A_clpest2v6.m
Misc. Info : CHLORO3FA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.81		2858					
16.02		4508					
16.22		754					
16.30		1502					
16.42		1243					
16.60		2057					
16.68		1432					
16.86		6301					
17.05		691					
17.09		945					
17.24	17.17 17.31	11101	27752	TechnicalChlordane Peak 5	0.400000	27753	
17.33		162					
17.43		246					
17.47		414					
17.54		587					
17.75		298					
17.92		2599					
18.15		151					
18.20		486					
18.50		230					
18.63		455					
19.49		684					
19.63		438					
19.91		407					
22.54	22.47 22.61	19935	497254	Decachlorobiphenyl	0.040000	509350	

Data File: /chem/tracegc82.i/f100601_2C.b/011f0F01010-SCV1.d

Date : 01-JUN-2010 20:40

Client ID: PESTCHKFA

Sample Info: 0F01010-SCV1

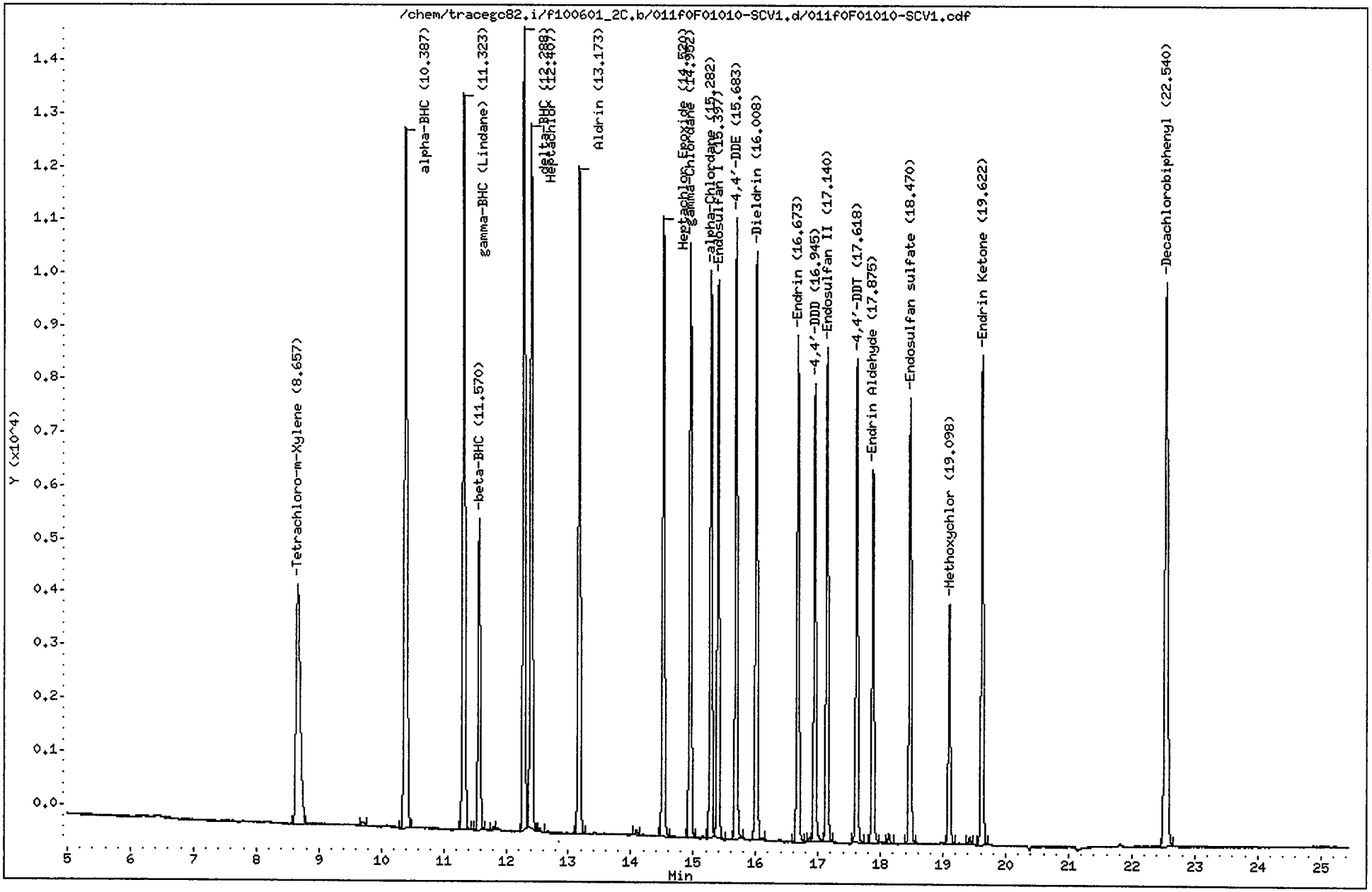
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL

Column diameter: 0.32



CompuChem

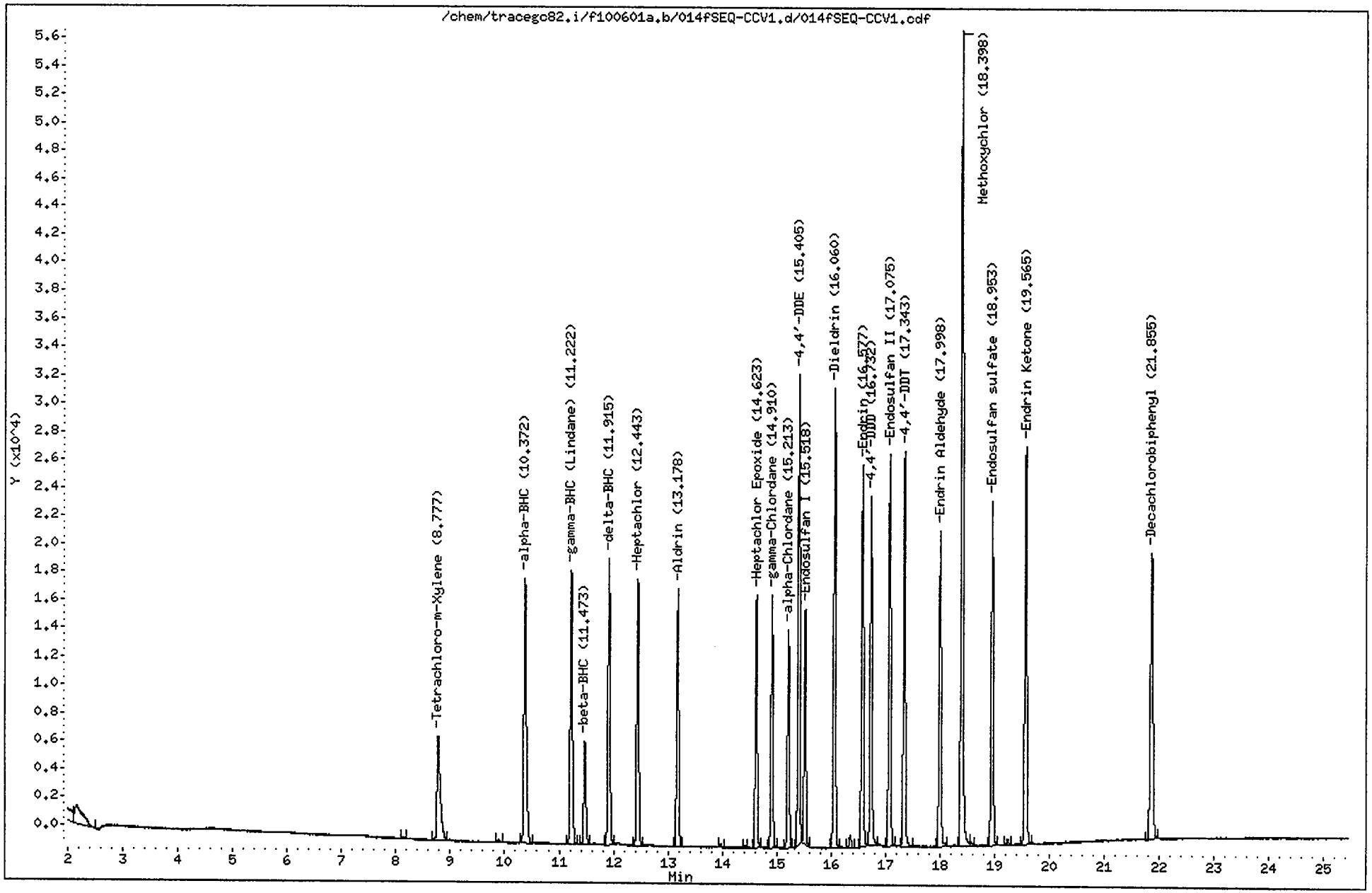
Lab Smp Id : 0F01010-SCV1 Client Smp Id : PESTCHKFA
Sample Type : QCCHECK Sublist : INDA
Inj Date : 01-JUN-2010 20:40 Inst ID : TRACEGC82
Operator : BWL Spike Sublist : INDAchek
Method : /chem/tracegc82.i/f100601_2C.b/8081A_clpest2v6.m
Misc. Info : PESTCHKFA

RT	AREA
1.35	610
1.48	53741
2.62	260
8.66	21209
9.71	284
10.39	39278
11.32	35998
11.57	14565
11.80	125
12.29	34904
12.41	33097
12.55	160
13.17	30400
14.10	220
14.52	27205
14.95	25961
15.28	24545
15.40	24824
15.68	26264
16.01	25767
16.67	22769
16.86	134
16.95	19638
17.14	22095
17.62	20589
17.87	16858
18.13	420
18.47	20270
19.10	10422
19.43	245
19.62	22630
22.54	34189

Manual Integrations							
SDG:							
Sample(s)	0F01010-ARC1						
Compound							
alpha-BHC							
gamma-BHC							
beta-BHC							
delta-BHC							
Heptachlor							
Aldrin							
Heptachlor Epoxide							
gamma-Chlordane							
alpha-Chlordane							
Endosulfan I							
4,4'-DDE							
Dieldrin							
Endrin							
4,4'-DDD							
Endosulfan II							
4,4'-DDT							
Endrin Aldehyde							
Endosulfan sulfate							
Methoxychlor							
Endrin Ketone							
Toxaphene	x						
Technical Chordane							
Tetrachloro-m-xylene							
Decachlorbiphenyl							
"X" Denotes a manual integration for the compound							

Data File: /chem/tracegc82.i/f100601a.b/014fSEQ-CCV1.d
Date : 01-JUN-2010 22:07
Client ID: INDC3FD
Sample Info: SEQ-CCV1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV1 Client Smp Id : INDC3FD
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 01-JUN-2010 22:07 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601a.b/8081A_clpestv6.m
Misc. Info : INDC3FD

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.35			45918								
1.98			9039								
2.16			14581								
8.13			326								
8.78	8.73	8.87	30924	1587700	Tetrachloro-m-Xylene	0.020000	1546220	2.6	20.0		
9.89			668								
10.37	10.32	10.46	58351	3028788	alpha-BHC	0.020000	2917530	3.7	20.0		
11.22	11.16	11.30	54391	2817265	gamma-BHC (Lindane)	0.020000	2719535	3.5	20.0		
11.47	11.41	11.55	19778	1035150	beta-BHC	0.020000	988885	4.5	20.0		
11.92	11.85	11.99	52872	2721052	delta-BHC	0.020000	2643610	2.8	20.0		
12.44	12.38	12.52	49714	2589888	Heptachlor	0.020000	2485683	4.0	20.0		
13.18	13.11	13.25	46100	2391920	Aldrin	0.020000	2305015	3.6	20.0		
13.96			541								
14.41			317								
14.62	14.56	14.70	43310	2235460	Heptachlor Epoxide	0.020000	2165492	3.1	20.0		
14.91	14.84	14.98	43184	2245768	gamma-Chlordane	0.020000	2159205	3.9	20.0		
15.21	15.15	15.29	37445	1924148	alpha-Chlordane	0.020000	1872265	2.7	20.0		
15.40	15.34	15.48	76780	2012896	4,4'-DDE	0.040000	1919503	4.6	20.0		
15.52	15.45	15.59	39645	2067970	Endosulfan I	0.020000	1982260	4.1	20.0		
16.06	15.99	16.13	79718	2037205	Dieldrin	0.040000	1992954	2.2	20.0		
16.35			2109								
16.58	16.51	16.65	67393	1695798	Endrin	0.040000	1684814	0.6	20.0		
16.73	16.66	16.80	60364	1534440	4,4'-DDD	0.040000	1509110	1.7	20.0		
17.08	17.01	17.15	70268	1759840	Endosulfan II	0.040000	1756707	0.2	20.0		
17.34	17.27	17.41	68329	1722489	4,4'-DDT	0.040000	1708226	0.8	20.0		
18.00	17.93	18.07	56881	1371845	Endrin Aldehyde	0.040000	1422035	-3.7	20.0		
18.40	18.33	18.47	146498	731447	Methoxychlor	0.200000	732491	-0.1	20.0		
18.58			831								
18.95	18.89	19.03	62525	1574194	Endosulfan sulfate	0.040000	1563136	0.7	20.0		
19.23			985								
19.56	19.49	19.63	74537	1849761	Endrin Ketone	0.040000	1863425	-0.7	20.0		
21.86	21.79	21.93	66091	1622138	Decachlorobiphenyl	0.040000	1652282	-1.9	20.0		

Data File: /chem/tracegc82.i/f100601a.b/015fSEQ-PEM1.d

Date : 01-JUN-2010 22:36

Client ID: PEMFD

Instrument: tracegc82.i

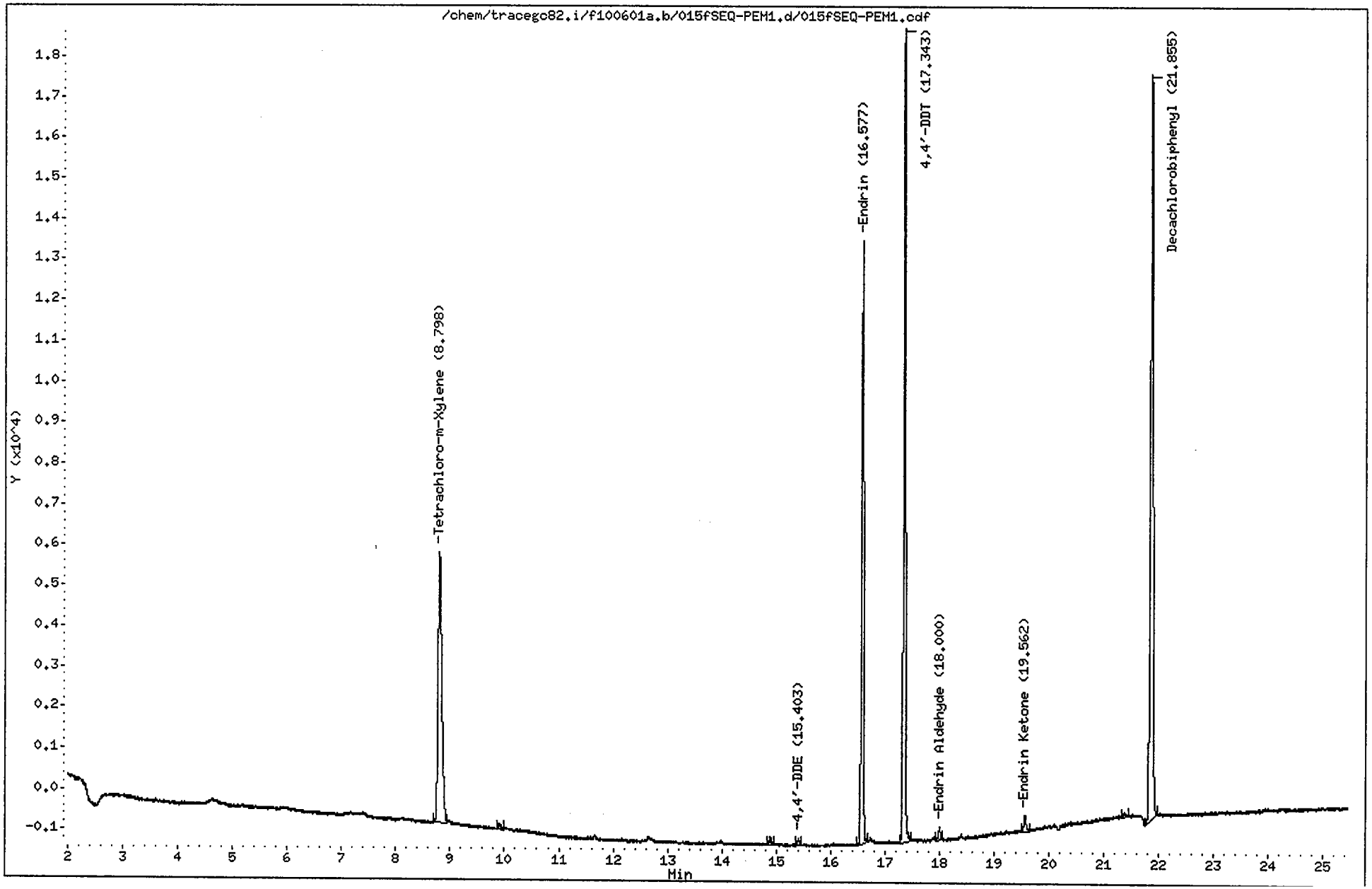
Sample Info: SEQ-PEM1

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM1 Client Smp Id : PEMFD
Sample Type : SAMPLE Sublist : PEM
Inj Date : 01-JUN-2010 22:36 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601a.b/8081A_clpestv6.m
Misc. Info : PEMFD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.37			1644								
1.44			31149								
8.80	8.73	8.87	31424	1587700	Tetrachloro-m-Xylene	0.019792	0.019792		100.0	43 - 135	
9.91			474								
14.88			529								
15.40	15.34	15.48	414	2012896	4,4'-DDE	0.000206	0.000206	0.020000			J
16.58	16.51	16.65	37008	1695798	Endrin	0.021823	0.021823	0.020000			
17.34	17.27	17.41	49421	1722489	4,4'-DDT	0.028692	0.028692	0.020000			
18.00	17.93	18.07	805	1371845	Endrin Aldehyde	0.000587	0.000587	0.020000			J
19.56	19.49	19.63	1241	1849761	Endrin Ketone	0.000671	0.000671	0.020000			J
21.36			346								
21.86	21.79	21.93	60347	1622138	Decachlorobiphenyl	0.037202	0.037202		93.9	43 - 144	

Data File: /chem/tracegc82.i/f100601a_2C.b/014fSEQ-CCV1.d

Date : 01-JUN-2010 22:07

Client ID: INDC3FD

Sample Info: SEQ-CCV1

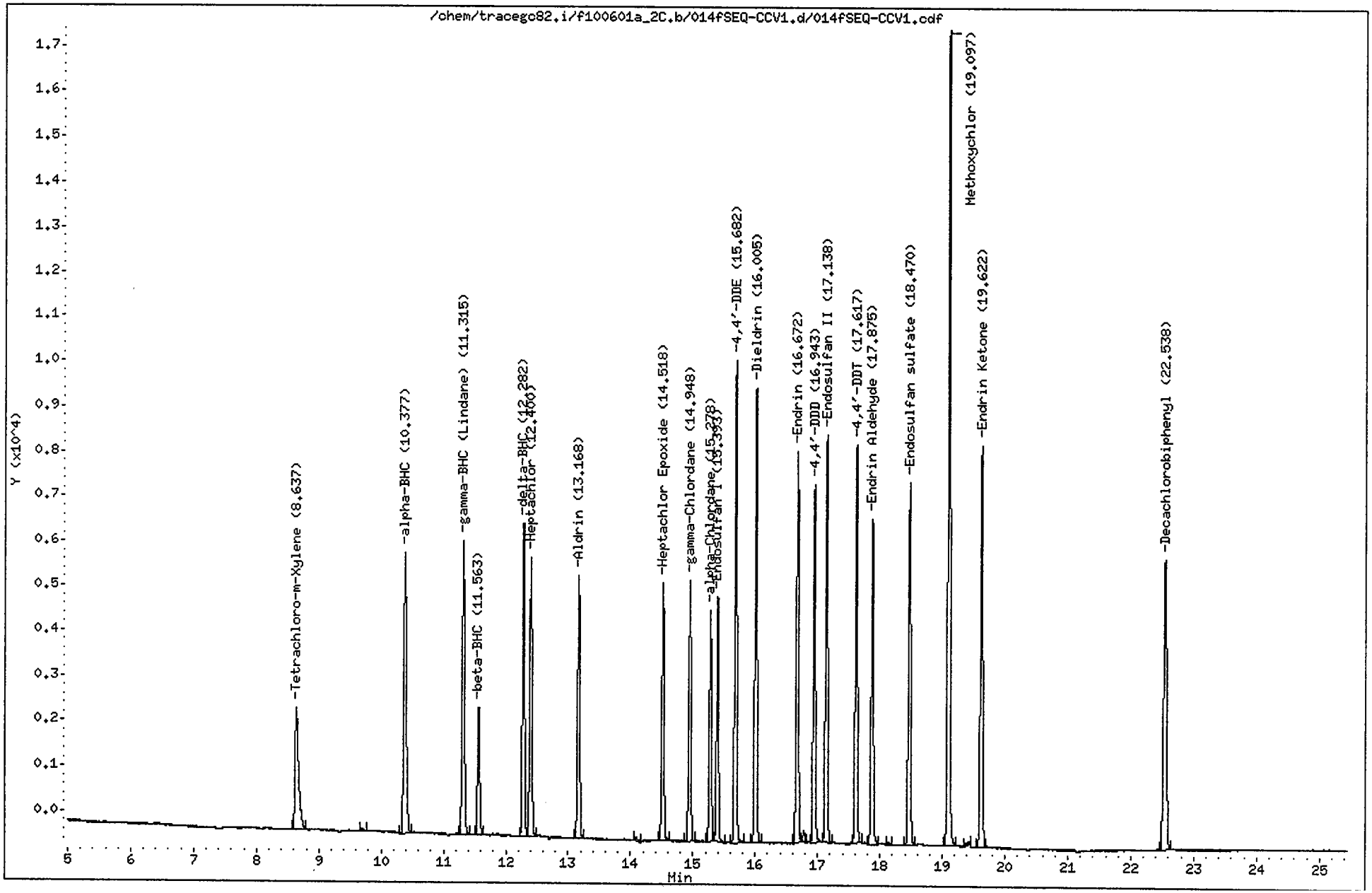
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV1 Client Smp Id : INDC3FD
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 01-JUN-2010 22:07 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601a_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3FD

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.33			314								
1.36			4540								
1.77			1216								
1.94			2163								
2.67			534								
8.64	8.59	8.73	10689	548876	Tetrachloro-m-Xylene	0.020000	534435	2.6	20.0		
9.69			139								
10.38	10.32	10.46	17683	916452	alpha-BHC	0.020000	884130	3.5	20.0		
11.32	11.25	11.39	16798	866882	gamma-BHC (Lindane)	0.020000	839925	3.1	20.0		
11.56	11.50	11.64	6815	347428	beta-BHC	0.020000	340735	1.9	20.0		
12.28	12.22	12.36	15943	827595	delta-BHC	0.020000	797137	3.7	20.0		
12.40	12.33	12.47	15182	778205	Heptachlor	0.020000	759123	2.5	20.0		
13.17	13.10	13.24	14096	726628	Aldrin	0.020000	704780	3.0	20.0		
14.09			249								
14.52	14.45	14.59	13407	683115	Heptachlor Epoxide	0.020000	670355	1.9	20.0		
14.95	14.88	15.02	13521	690205	gamma-Chlordane	0.020000	676048	2.1	20.0		
15.28	15.21	15.35	11669	595455	alpha-Chlordane	0.020000	583475	2.0	20.0		
15.39	15.33	15.47	12700	638725	Endosulfan I	0.020000	634995	0.6	20.0		
15.68	15.61	15.75	24122	617325	4,4'-DDE	0.040000	603055	2.3	20.0		
16.00	15.94	16.08	23526	598394	Dieldrin	0.040000	588156	1.7	20.0		
16.67	16.60	16.74	20906	524785	Endrin	0.040000	522649	0.4	20.0		
16.78			521								
16.94	16.87	17.01	18112	454222	4,4'-DDD	0.040000	452805	0.3	20.0		
17.14	17.07	17.21	21250	526756	Endosulfan II	0.040000	531255	-0.9	20.0		
17.62	17.55	17.69	20144	503765	4,4'-DDT	0.040000	503603	0.0	20.0		
17.88	17.81	17.95	17652	425754	Endrin Aldehyde	0.040000	441310	-3.7	20.0		
18.13			134								
18.47	18.40	18.54	19467	479624	Endosulfan sulfate	0.040000	486675	-1.5	20.0		
19.10	19.03	19.17	42170	208391	Methoxychlor	0.200000	210849	-1.2	20.0		
19.38			263								
19.62	19.55	19.69	21974	535815	Endrin Ketone	0.040000	549358	-2.5	20.0		
22.54	22.47	22.61	20875	497254	Decachlorobiphenyl	0.040000	521878	-5.0	20.0		

Data File: /chem/tracegc82.i/f100601a_2C.b/015fSEQ-PEM1.d

Date : 01-JUN-2010 22:36

Client ID: PEMFD

Instrument: tracegc82.i

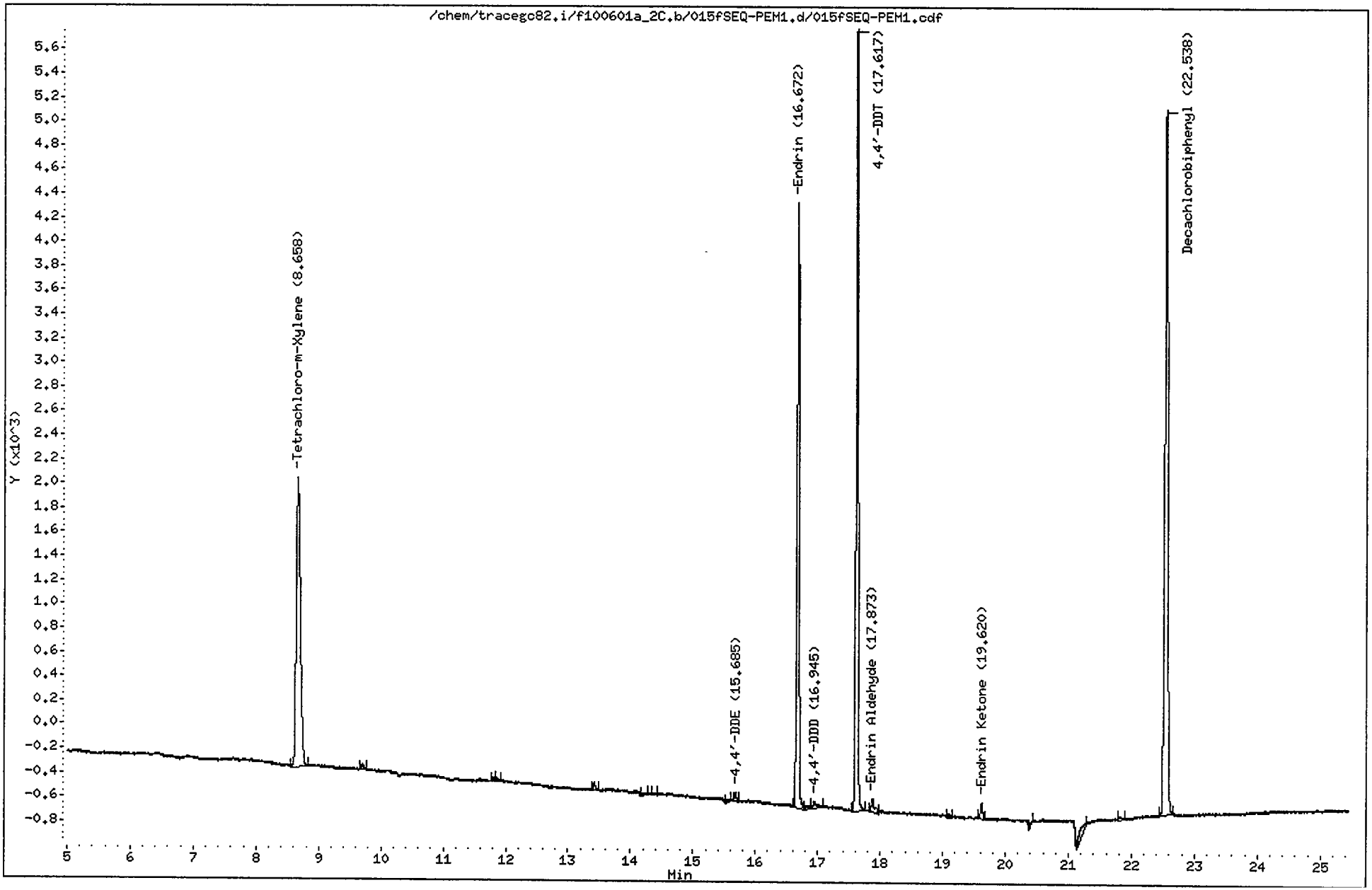
Sample Info: SEQ-PEM1

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM1 Client Smp Id : PEMFD
Sample Type : SAMPLE Sublist : PEM
Inj Date : 01-JUN-2010 22:36 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601a_2C.b/8081A_clpest2v6.m
Misc. Info : PEMFD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.25			75								
1.35			851								
1.48			58299								
2.62			385								
4.27			47								
8.66	8.59	8.73	11044	548876	Tetrachloro-m-Xylene	0.020121	0.020121		101.6	43 - 135	
9.70			122								
11.81			74								
11.87			87								
13.41			184								
14.19			63								
14.38			48								
15.55			50								
15.68	15.61	15.75	145	617325	4,4'-DDE	0.000235	0.000235	0.020000			J
16.67	16.60	16.74	12061	524785	Endrin	0.022984	0.022984	0.020000			
16.82			149								
16.94	16.87	17.01	238	454222	4,4'-DDD	0.000523	0.000523	0.020000			J
17.62	17.55	17.69	14986	503765	4,4'-DDT	0.029748	0.029748	0.020000			
17.87	17.81	17.95	367	425754	Endrin Aldehyde	0.000861	0.000861	0.020000			J
19.09			59								
19.62	19.55	19.69	326	535815	Endrin Ketone	0.000608	0.000608	0.020000			J
20.42			45								
21.28			432								
21.82			98								
22.54	22.47	22.61	19059	497254	Decachlorobiphenyl	0.038328	0.038328		96.8	43 - 144	

Data File: /chem/tracegc82.i/f100601b.b/027fSEQ-CCV2.d

Date : 02-JUN-2010 04:26

Client ID: INDC3FF

Instrument: tracegc82.i

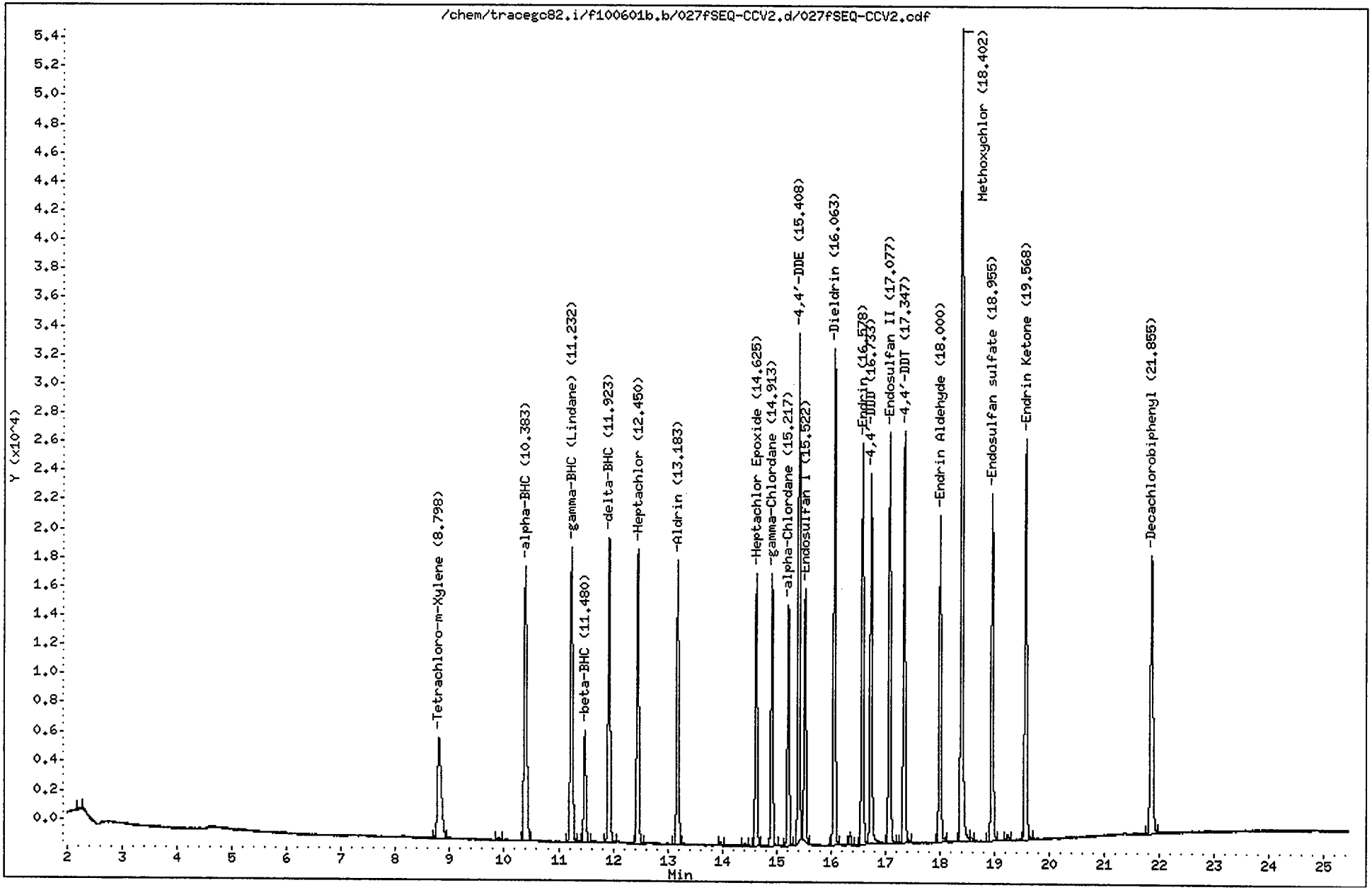
Sample Info: SEQ-CCV2

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



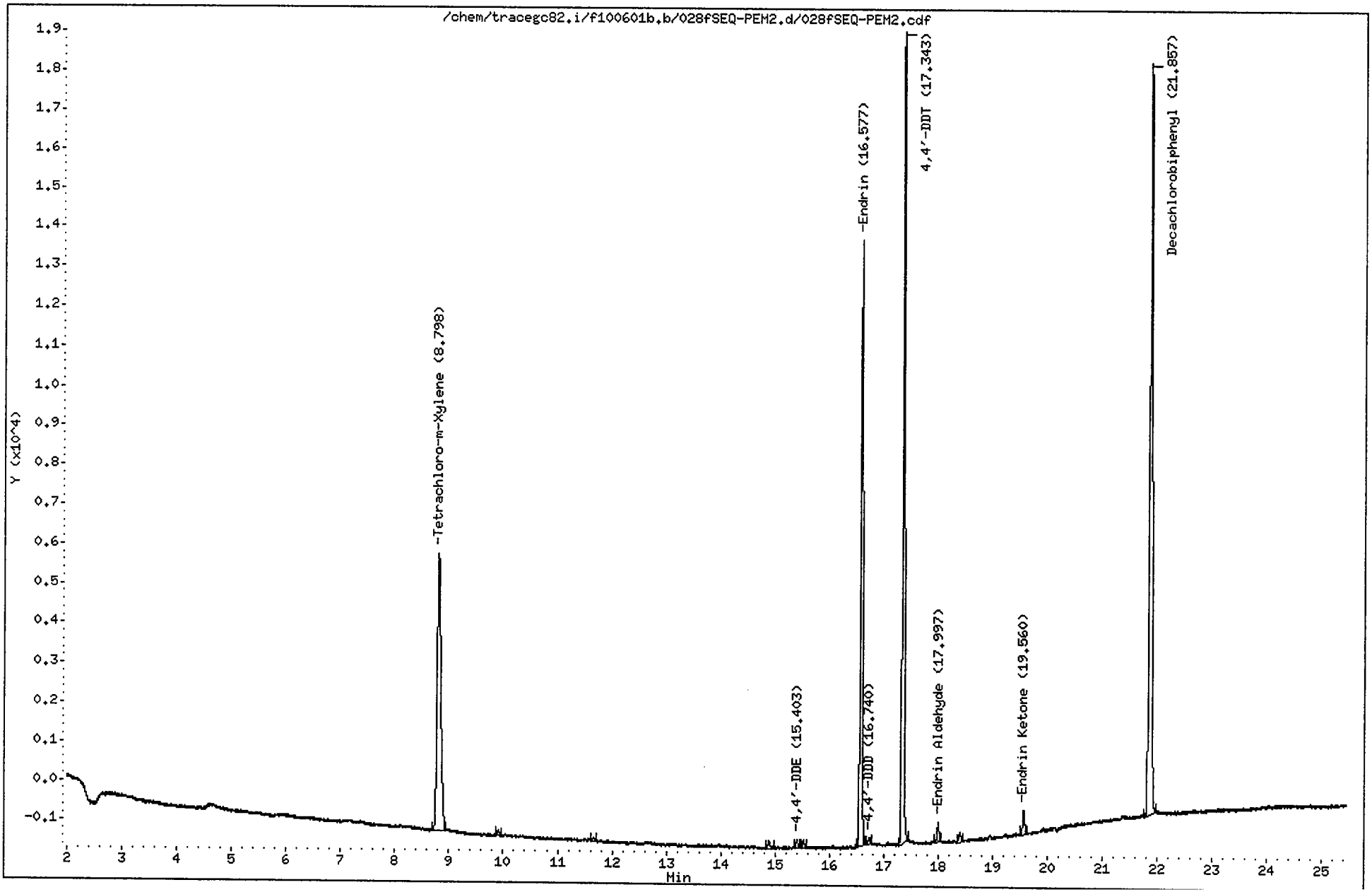
CompuChem

Lab Smp Id : SEQ-CCV2 Client Smp Id : INDC3FF
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 02-JUN-2010 04:26 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601b.b/8081A_clpestv6.m
Misc. Info : INDC3FF

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
0.03			422								
1.05			313								
1.33			356								
1.37			1013								
1.46			35593								
2.22			365								
8.80	8.73	8.87	33729	1587700	Tetrachloro-m-Xylene	0.020000	1686450	-6.2	20.0		
9.91			560								
10.38	10.32	10.46	63242	3028788	alpha-BHC	0.020000	3162085	-4.4	20.0		
11.23	11.16	11.30	58930	2817265	gamma-BHC (Lindane)	0.020000	2946480	-4.6	20.0		
11.48	11.41	11.55	21327	1035150	beta-BHC	0.020000	1066330	-3.0	20.0		
11.92	11.85	11.99	56335	2721052	delta-BHC	0.020000	2816755	-3.5	20.0		
12.45	12.38	12.52	54083	2589888	Heptachlor	0.020000	2704150	-4.4	20.0		
13.18	13.11	13.25	50000	2391920	Aldrin	0.020000	2500007	-4.5	20.0		
13.97			661								
14.41			413								
14.62	14.56	14.70	46102	2235460	Heptachlor Epoxide	0.020000	2305075	-3.1	20.0		
14.91	14.84	14.98	46029	2245768	gamma-Chlordane	0.020000	2301475	-2.5	20.0		
15.22	15.15	15.29	39863	1924148	alpha-Chlordane	0.020000	1993130	-3.6	20.0		
15.41	15.34	15.48	81063	2012896	4,4'-DDE	0.040000	2026572	-0.7	20.0		
15.52	15.45	15.59	41886	2067970	Endosulfan I	0.020000	2094317	-1.3	20.0		
16.06	15.99	16.13	83083	2037205	Dieldrin	0.040000	2077066	-2.0	20.0		
16.35			2085								
16.58	16.51	16.65	68053	1695798	Endrin	0.040000	1701325	-0.3	20.0		
16.73	16.66	16.80	62793	1534440	4,4'-DDD	0.040000	1569820	-2.3	20.0		
17.08	17.01	17.15	70449	1759840	Endosulfan II	0.040000	1761235	-0.1	20.0		
17.35	17.27	17.41	69195	1722489	4,4'-DDT	0.040000	1729872	-0.4	20.0		
18.00	17.93	18.07	56067	1371845	Endrin Aldehyde	0.040000	1401682	-2.2	20.0		
18.40	18.33	18.47	142567	731447	Methoxychlor	0.200000	712837	2.5	20.0		
18.57			824								
18.96	18.89	19.03	61468	1574194	Endosulfan sulfate	0.040000	1536694	2.4	20.0		
19.23			1010								
19.57	19.49	19.63	73105	1849761	Endrin Ketone	0.040000	1827635	1.2	20.0		
21.86	21.79	21.93	61727	1622138	Decachlorobiphenyl	0.040000	1543165	4.9	20.0		

Data File: /chem/tracegc82.i/f100601b.b/028fSEQ-PEM2.d
Date : 02-JUN-2010 04:55
Client ID: PEMFF
Sample Info: SEQ-PEM2
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM2 Client Smp Id : PEMFF
Sample Type : SAMPLE Sublist : PEM
Inj Date : 02-JUN-2010 04:55 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601b.b/8081A_clpestv6.m
Misc. Info : PEMFF

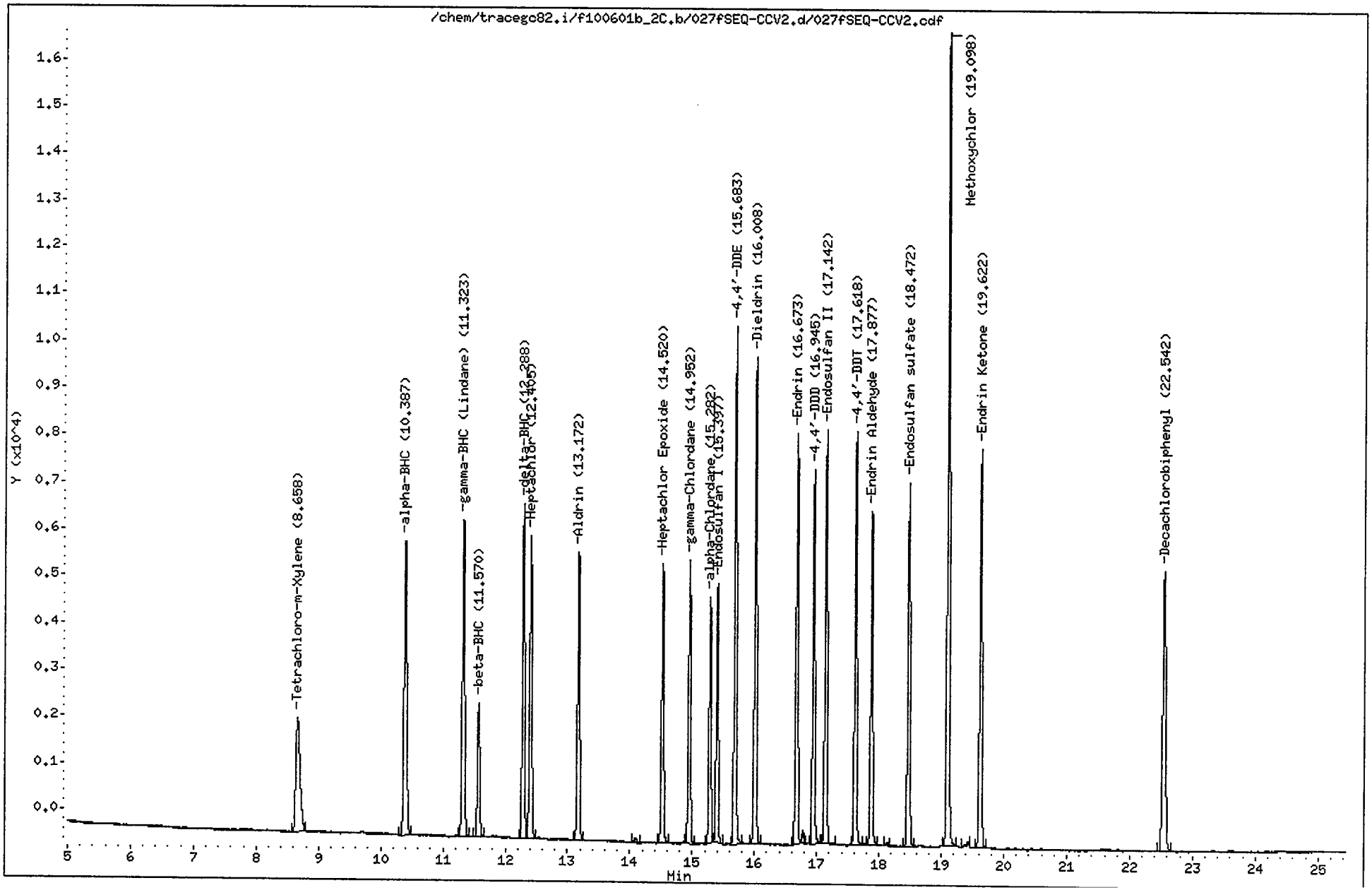
Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.37			2133								
1.43			31948								
8.80	8.73	8.87	33716	1587700	Tetrachloro-m-Xylene	0.021236	0.021236		107.3	43 - 135	
9.90			467								
11.65			322								
14.88			658								
15.40	15.34	15.48	549	2012896	4,4'-DDE	0.000273	0.000273	0.020000			J
15.53			525								
16.58	16.51	16.65	38009	1695798	Endrin	0.022414	0.022414	0.020000			
16.74	16.66	16.80	401	1534440	4,4'-DDD	0.000261	0.000261	0.020000			J
17.34	17.27	17.41	50788	1722489	4,4'-DDT	0.029485	0.029485	0.020000			
18.00	17.93	18.07	1163	1371845	Endrin Aldehyde	0.000848	0.000848	0.020000			J
18.41			678								
19.56	19.49	19.63	1669	1849761	Endrin Ketone	0.000902	0.000902	0.020000			J
21.86	21.79	21.93	61624	1622138	Decachlorobiphenyl	0.037989	0.037989		95.9	43 - 144	

Data File: /chem/tracegc82.i/f100601b_2C.b/027fSEQ-CCV2.d
Date : 02-JUN-2010 04:26
Client ID: INDC3FF
Sample Info: SEQ-CCV2
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

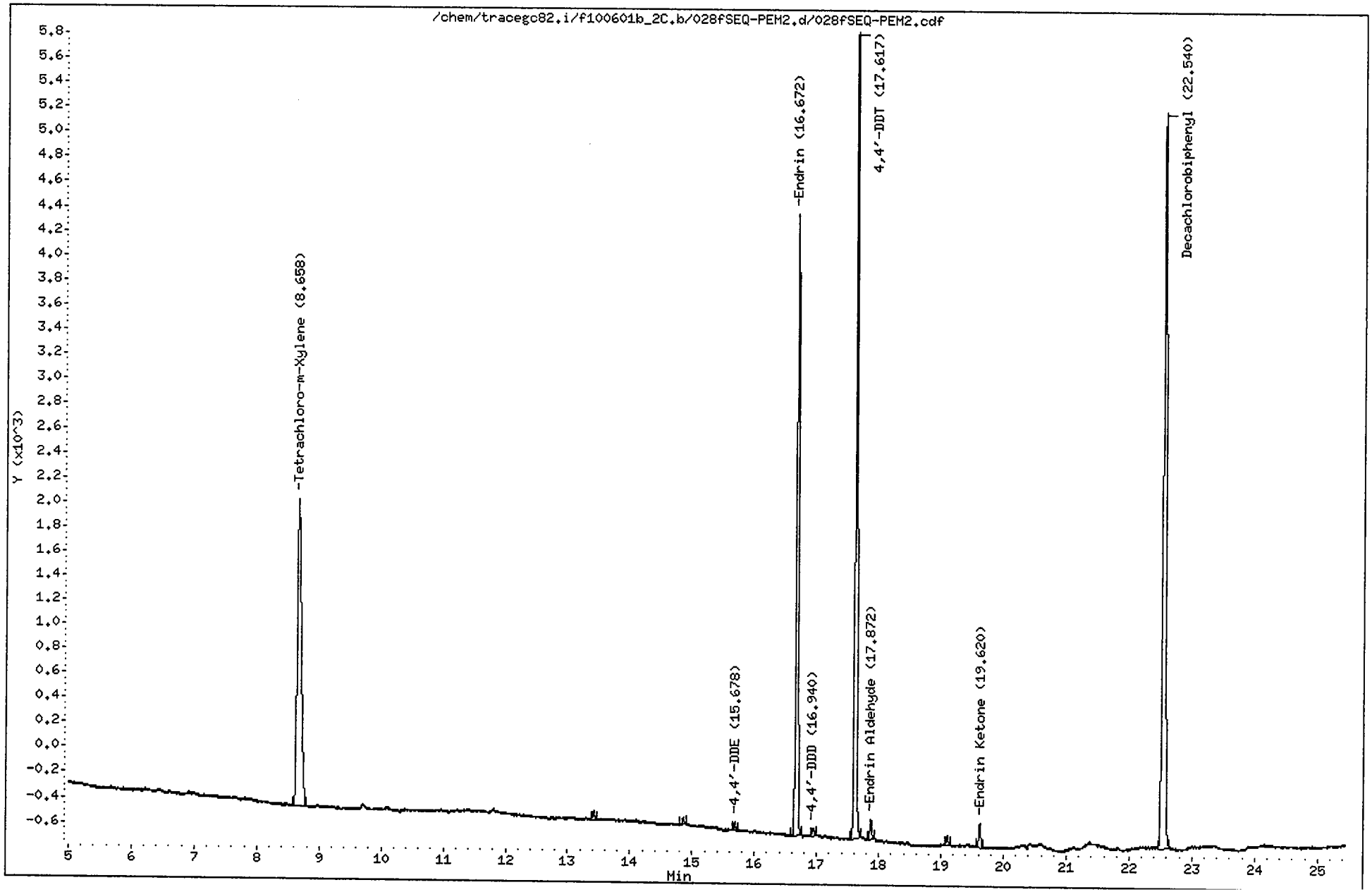
Lab Smp Id : SEQ-CCV2 Client Smp Id : INDC3FF
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 02-JUN-2010 04:26 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601b_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3FF

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.35			468								
1.50			72001								
8.66	8.59	8.73	11401	548876	Tetrachloro-m-Xylene	0.020000	570033	-3.9	20.0		
10.39	10.32	10.46	18794	916452	alpha-BHC	0.020000	939707	-2.5	20.0		
11.32	11.25	11.39	17803	866882	gamma-BHC (Lindane)	0.020000	890140	-2.7	20.0		
11.57	11.50	11.64	7200	347428	beta-BHC	0.020000	360020	-3.6	20.0		
12.29	12.22	12.36	16679	827595	delta-BHC	0.020000	833950	-0.8	20.0		
12.40	12.33	12.47	16099	778205	Heptachlor	0.020000	804927	-3.4	20.0		
13.17	13.10	13.24	14862	726628	Aldrin	0.020000	743117	-2.3	20.0		
14.10			229								
14.52	14.45	14.59	13940	683115	Heptachlor Epoxide	0.020000	697023	-2.0	20.0		
14.95	14.88	15.02	13990	690205	gamma-Chlordane	0.020000	699495	-1.3	20.0		
15.28	15.21	15.35	12100	595455	alpha-Chlordane	0.020000	605003	-1.6	20.0		
15.40	15.33	15.47	12987	638725	Endosulfan I	0.020000	649357	-1.7	20.0		
15.68	15.61	15.75	24898	617325	4,4'-DDE	0.040000	622450	-0.8	20.0		
16.01	15.94	16.08	24039	598394	Dieldrin	0.040000	600963	-0.4	20.0		
16.67	16.60	16.74	20704	524785	Endrin	0.040000	517595	1.4	20.0		
16.78			553								
16.94	16.87	17.01	18034	454222	4,4'-DDD	0.040000	450861	0.7	20.0		
17.14	17.07	17.21	20925	526756	Endosulfan II	0.040000	523130	0.7	20.0		
17.62	17.55	17.69	19948	503765	4,4'-DDT	0.040000	498708	1.0	20.0		
17.88	17.81	17.95	17042	425754	Endrin Aldehyde	0.040000	426045	-0.1	20.0		
18.14			194								
18.47	18.40	18.54	18752	479624	Endosulfan sulfate	0.040000	468795	2.3	20.0		
19.10	19.03	19.17	40367	208391	Methoxychlor	0.200000	201835	3.1	20.0		
19.38			252								
19.62	19.55	19.69	21055	535815	Endrin Ketone	0.040000	526385	1.8	20.0		
22.54	22.47	22.61	19393	497254	Decachlorobiphenyl	0.040000	484833	2.5	20.0		

Data File: /chem/tracegc82.i/f100601b_2C.b/028fSEQ-PEM2.d
Date : 02-JUN-2010 04:55
Client ID: PEMFF
Sample Info: SEQ-PEM2
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM2 Client Smp Id : PEMFF
Sample Type : SAMPLE Sublist : PEM
Inj Date : 02-JUN-2010 04:55 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601b_2C.b/8081A_clpest2v6.m
Misc. Info : PEMFF

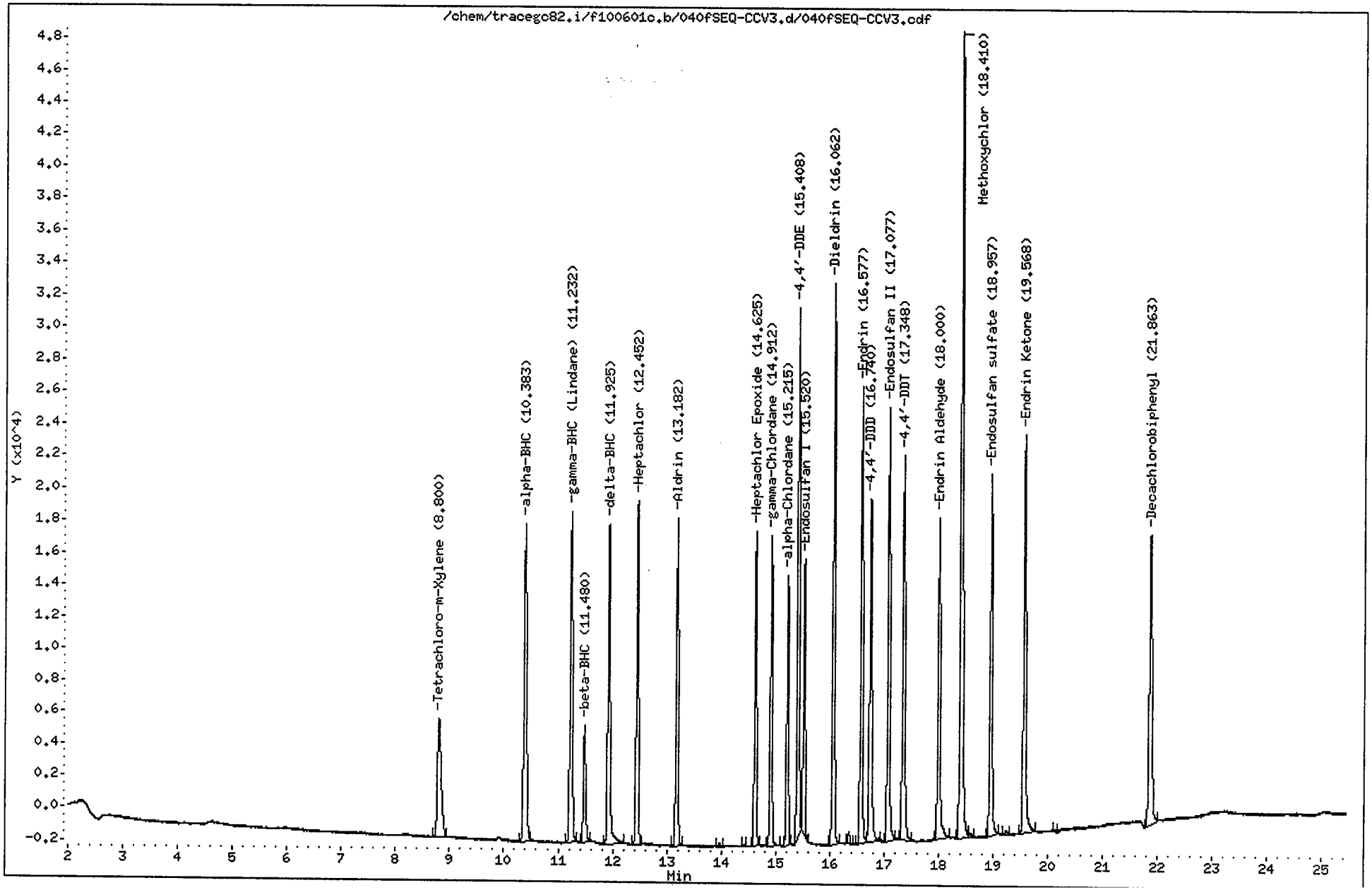
Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.34			449								
1.48			58378								
2.60			450								
8.66	8.59	8.73	11477	548876	Tetrachloro-m-Xylene	0.020910	0.020910		105.6	43 - 135	
13.42			166								
14.86			148								
15.68	15.61	15.75	153	617325	4,4'-DDE	0.000247	0.000247	0.020000			J
16.67	16.60	16.74	11944	524785	Endrin	0.022759	0.022759	0.020000			
16.94	16.87	17.01	162	454222	4,4'-DDD	0.000357	0.000357	0.020000			J
17.62	17.55	17.69	15044	503765	4,4'-DDT	0.029863	0.029863	0.020000			
17.87	17.81	17.95	351	425754	Endrin Aldehyde	0.000825	0.000825	0.020000			J
19.10			165								
19.62	19.55	19.69	476	535815	Endrin Ketone	0.000888	0.000888	0.020000			J
22.54	22.47	22.61	19147	497254	Decachlorobiphenyl	0.038505	0.038505		97.2	43 - 144	

Data File: /chem/tracegc82.i/f100601c.b/040fSEQ-CCV3.d
Date : 02-JUN-2010 10:44
Client ID: INDC3FH
Sample Info: SEQ-CCV3
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

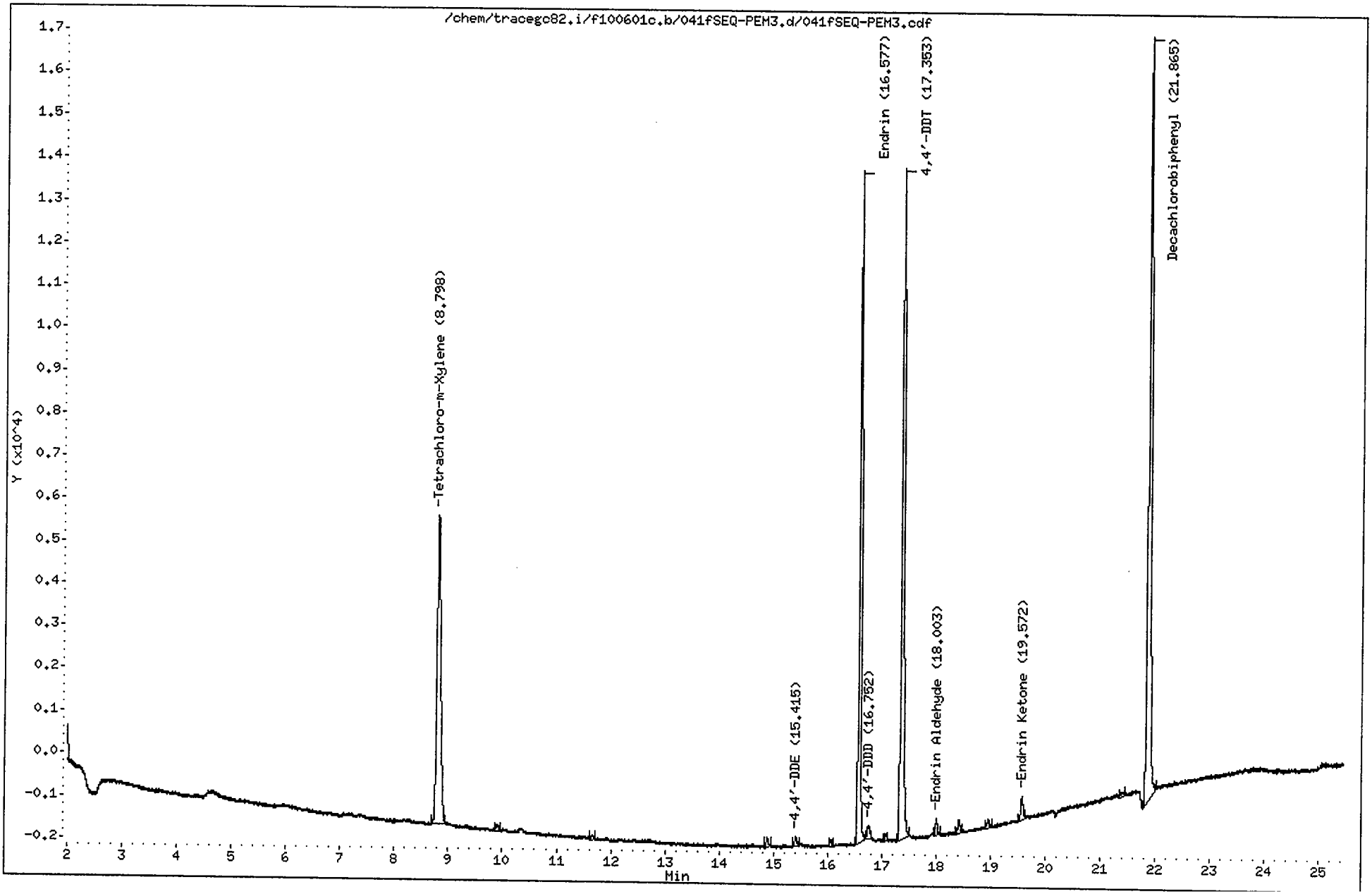
Lab Smp Id : SEQ-CCV3 Client Smp Id : INDC3FH
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 02-JUN-2010 10:44 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601c.b/8081A_clpestv6.m
Misc. Info : INDC3FH

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.26			613								
1.35			2866								
1.45			42244								
8.80	8.73	8.87	35441	1587700	Tetrachloro-m-Xylene	0.020000	1772045	-11.6	20.0		
10.38	10.32	10.46	66419	3028788	alpha-BHC	0.020000	3320940	-9.6	20.0		
11.23	11.16	11.30	61166	2817265	gamma-BHC (Lindane)	0.020000	3058305	-8.6	20.0		
11.48	11.41	11.55	20934	1035150	beta-BHC	0.020000	1046692	-1.1	20.0		
11.92	11.85	11.99	59250	2721052	delta-BHC	0.020000	2962520	-8.9	20.0		
12.45	12.38	12.52	56895	2589888	Heptachlor	0.020000	2844765	-9.8	20.0		
13.18	13.11	13.25	52213	2391920	Aldrin	0.020000	2610640	-9.1	20.0		
13.97			595								
14.41			301								
14.62	14.56	14.70	47329	2235460	Heptachlor Epoxide	0.020000	2366445	-5.9	20.0		
14.91	14.84	14.98	47588	2245768	gamma-Chlordane	0.020000	2379410	-6.0	20.0		
15.22	15.15	15.29	40162	1924148	alpha-Chlordane	0.020000	2008112	-4.4	20.0		
15.41	15.34	15.48	80584	2012896	4,4'-DDE	0.040000	2014605	-0.1	20.0		
15.52	15.45	15.59	41106	2067970	Endosulfan I	0.020000	2055280	0.6	20.0		
16.06	15.99	16.13	85111	2037205	Dieldrin	0.040000	2127764	-4.4	20.0		
16.35			2029								
16.58	16.51	16.65	72173	1695798	Endrin	0.040000	1804313	-6.4	20.0		
16.74	16.66	16.80	64218	1534440	4,4'-DDD	0.040000	1605439	-4.6	20.0		
17.08	17.01	17.15	70219	1759840	Endosulfan II	0.040000	1755484	0.2	20.0		
17.35	17.27	17.41	68476	1722489	4,4'-DDT	0.040000	1711901	0.6	20.0		
18.00	17.93	18.07	56181	1371845	Endrin Aldehyde	0.040000	1404537	-2.4	20.0		
18.41	18.33	18.47	146627	731447	Methoxychlor	0.200000	733136	-0.2	20.0		
18.59			863								
18.96	18.89	19.03	60901	1574194	Endosulfan sulfate	0.040000	1522526	3.3	20.0		
19.25			805								
19.57	19.49	19.63	72892	1849761	Endrin Ketone	0.040000	1822297	1.5	20.0		
20.12			391								
21.86	21.79	21.93	63655	1622138	Decachlorobiphenyl	0.040000	1591382	1.9	20.0		

Data File: /chem/tracegc82.i/f100601c.b/041fSEQ-PEM3.d
Date : 02-JUN-2010 11:13
Client ID: PEMFH
Sample Info: SEQ-PEM3
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM3 Client Smp Id : PEMFH
Sample Type : SAMPLE Sublist : PEM
Inj Date : 02-JUN-2010 11:13 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601c.b/8081A_clpestv6.m
Misc. Info : PEMFH

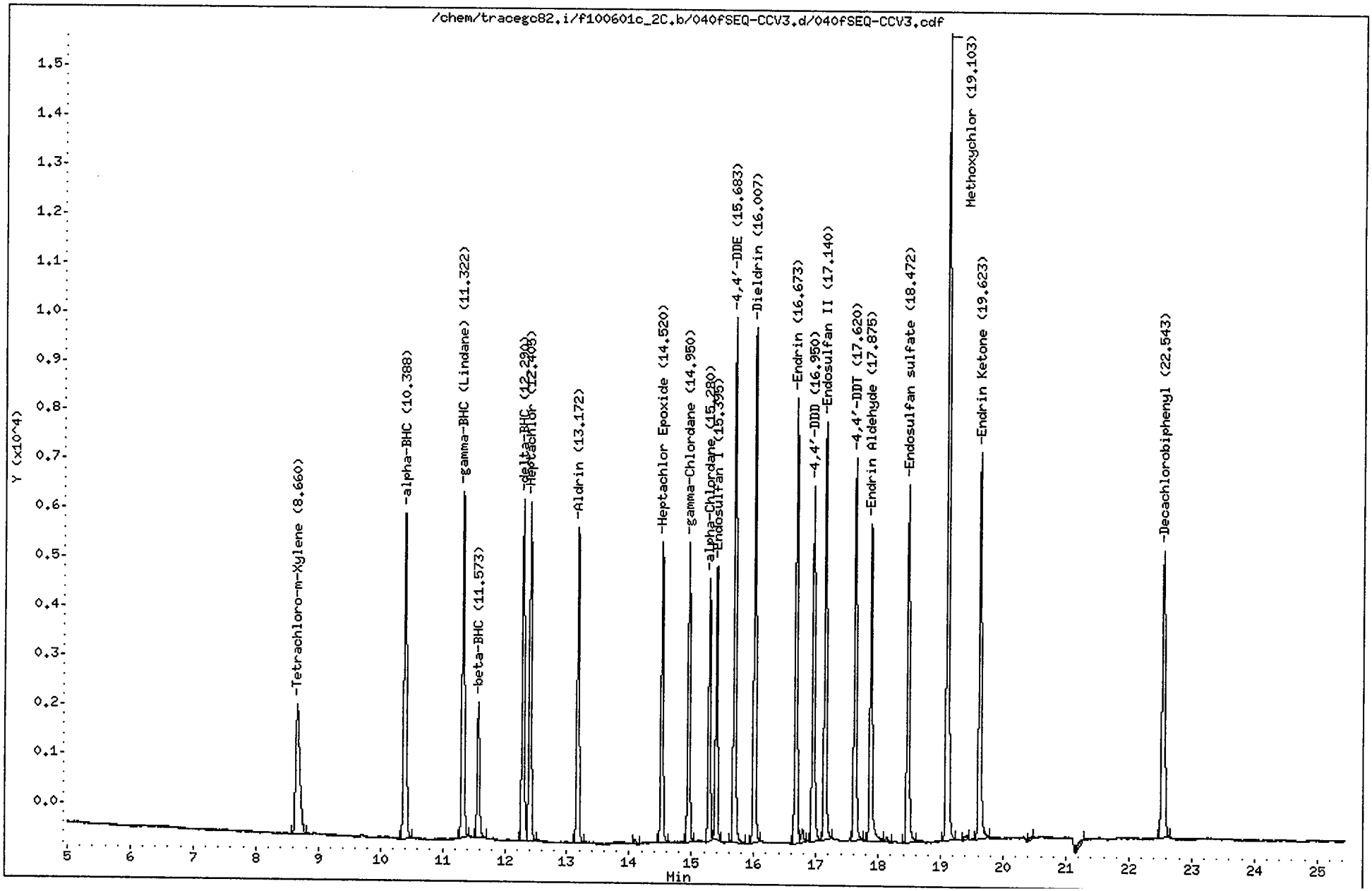
Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.38			2060								
1.44			31577								
8.80	8.73	8.87	34771	1587700	Tetrachloro-m-Xylene	0.021900	0.021900		110.6	43 - 135	
9.91			518								
11.66			293								
14.89			608								
15.42	15.34	15.48	640	2012896	4,4'-DDE	0.000318	0.000318	0.020000			J
16.07			342								
16.58	16.51	16.65	39767	1695798	Endrin	0.023451	0.023451	0.020000			
16.75	16.66	16.80	1096	1534440	4,4'-DDD	0.000714	0.000714	0.020000			J
17.08			430								
17.35	17.27	17.41	49829	1722489	4,4'-DDT	0.028929	0.028929	0.020000			
18.00	17.93	18.07	1005	1371845	Endrin Aldehyde	0.000733	0.000733	0.020000			J
18.41			966								
18.95			606								
19.57	19.49	19.63	1556	1849761	Endrin Ketone	0.000841	0.000841	0.020000			J
21.39			455								
21.86	21.79	21.93	63360	1622138	Decachlorobiphenyl	0.039059	0.039059		98.6	43 - 144	

Data File: /chem/tracegc82.i/f100601c_2C.b/040fSEQ-CCV3.d
Date : 02-JUN-2010 10:44
Client ID: INDC3FH
Sample Info: SEQ-CCV3
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

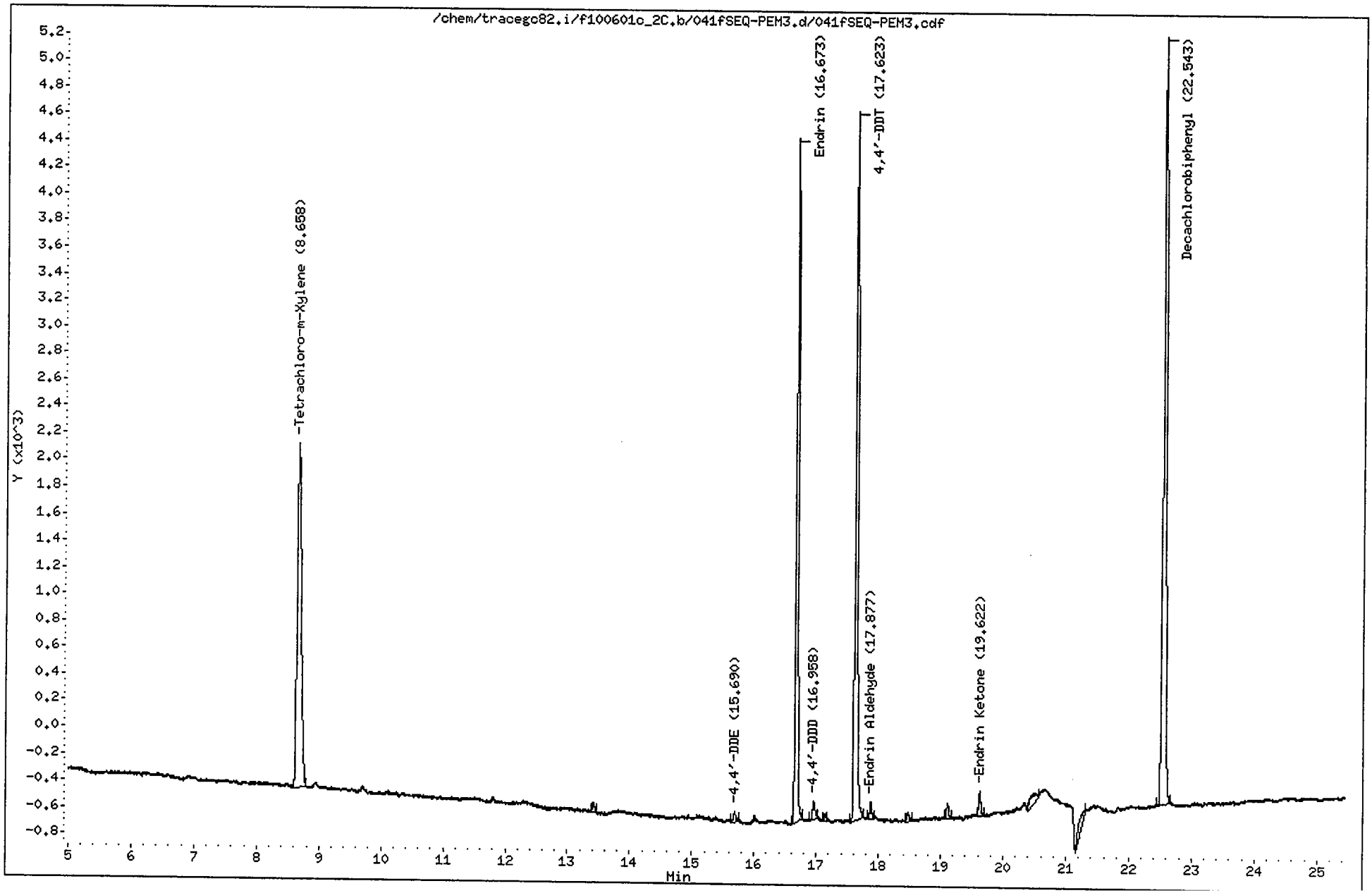
Lab Smp Id : SEQ-CCV3 Client Smp Id : INDC3FH
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 02-JUN-2010 10:44 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601c_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3FH

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
0.09			149								
1.35			473								
1.50			78683								
2.63			280								
8.66	8.59	8.73	12193	548876	Tetrachloro-m-Xylene	0.020000	609670	-11.1	20.0		
10.39	10.32	10.46	19830	916452	alpha-BHC	0.020000	991505	-8.2	20.0		
11.32	11.25	11.39	18407	866882	gamma-BHC (Lindane)	0.020000	920363	-6.2	20.0		
11.57	11.50	11.64	7250	347428	beta-BHC	0.020000	362480	-4.3	20.0		
12.29	12.22	12.36	16883	827595	delta-BHC	0.020000	844152	-2.0	20.0		
12.40	12.33	12.47	17336	778205	Heptachlor	0.020000	866780	-11.4	20.0		
13.17	13.10	13.24	15503	726628	Aldrin	0.020000	775145	-6.7	20.0		
14.09			244								
14.52	14.45	14.59	14278	683115	Heptachlor Epoxide	0.020000	713898	-4.5	20.0		
14.95	14.88	15.02	14237	690205	gamma-Chlordane	0.020000	711860	-3.1	20.0		
15.28	15.21	15.35	12136	595455	alpha-Chlordane	0.020000	606805	-1.9	20.0		
15.40	15.33	15.47	13029	638725	Endosulfan I	0.020000	651430	-2.0	20.0		
15.68	15.61	15.75	25518	617325	4,4'-DDE	0.040000	637945	-3.3	20.0		
16.01	15.94	16.08	24489	598394	Dieldrin	0.040000	612228	-2.3	20.0		
16.67	16.60	16.74	21755	524785	Endrin	0.040000	543870	-3.6	20.0		
16.78			658								
16.95	16.87	17.01	18442	454222	4,4'-DDD	0.040000	461046	-1.5	20.0		
17.14	17.07	17.21	20776	526756	Endosulfan II	0.040000	519397	1.4	20.0		
17.62	17.55	17.69	19816	503765	4,4'-DDT	0.040000	495407	1.7	20.0		
17.88	17.81	17.95	17242	425754	Endrin Aldehyde	0.040000	431050	-1.2	20.0		
18.14			283								
18.47	18.40	18.54	18483	479624	Endosulfan sulfate	0.040000	462070	3.7	20.0		
19.10	19.03	19.17	41289	208391	Methoxychlor	0.200000	206446	0.9	20.0		
19.39			245								
19.62	19.55	19.69	20938	535815	Endrin Ketone	0.040000	523445	2.3	20.0		
20.46			132								
21.27			551								
22.54	22.47	22.61	19195	497254	Decachlorobiphenyl	0.040000	479865	3.5	20.0		

Data File: /chem/tracegc82.i/f100601c_2C.b/041fSEQ-PEM3.d
Date : 02-JUN-2010 11:13
Client ID: PEMFH
Sample Info: SEQ-PEM3
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM3 Client Smp Id : PEMFH
Sample Type : SAMPLE Sublist : PEM
Inj Date : 02-JUN-2010 11:13 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601c_2C.b/8081A_clpest2v6.m
Misc. Info : PEMFH

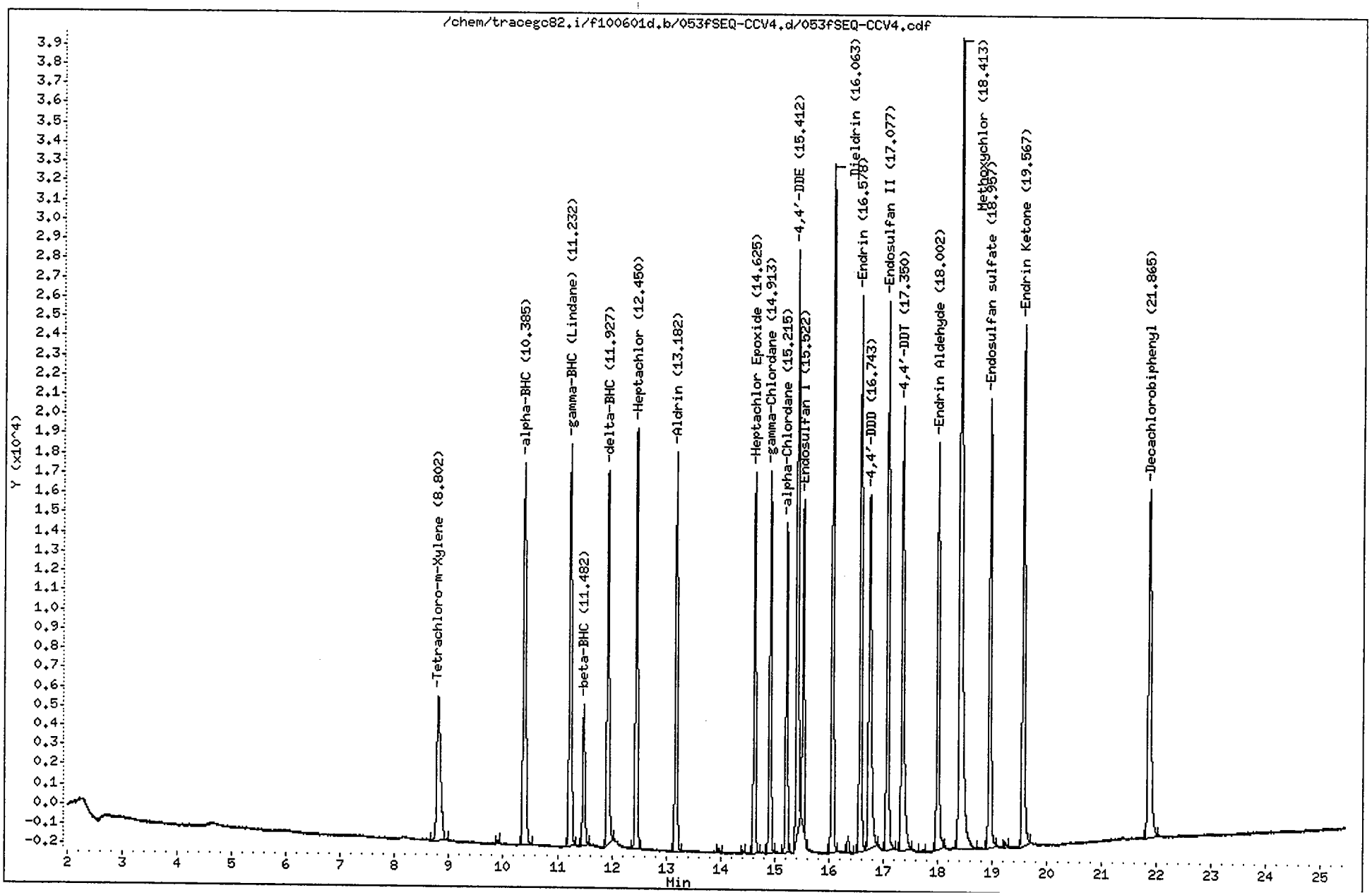
Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
0.07			336								
1.35			642								
1.49			3545								
2.59			217								
8.66	8.59	8.73	11930	548876	Tetrachloro-m-Xylene	0.021736	0.021736		109.8	43 - 135	
13.42			165								
15.69	15.61	15.75	191	617325	4,4'-DDE	0.000310	0.000310	0.020000			J
16.67	16.60	16.74	12317	524785	Endrin	0.023471	0.023471	0.020000			
16.96	16.87	17.01	384	454222	4,4'-DDD	0.000846	0.000846	0.020000			J
17.14			120								
17.62	17.55	17.69	14656	503765	4,4'-DDT	0.029094	0.029094	0.020000			
17.88	17.81	17.95	283	425754	Endrin Aldehyde	0.000664	0.000664	0.020000			J
18.47			177								
19.11			281								
19.62	19.55	19.69	460	535815	Endrin Ketone	0.000859	0.000859	0.020000			J
20.49			519								
21.29			611								
22.54	22.47	22.61	19142	497254	Decachlorobiphenyl	0.038496	0.038496		97.2	43 - 144	

Data File: /chem/tracegc82.i/f100601d.b/053fSEQ-CCV4.d
Date : 02-JUN-2010 17:03
Client ID: INDC3FJ
Sample Info: SEQ-CCV4
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV4 Client Smp Id : INDC3FJ
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 02-JUN-2010 17:03 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601d.b/8081A_clpestv6.m
Misc. Info : INDC3FJ

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
0.02			319								
1.04			370								
1.29			615								
1.37			3068								
1.45			37439								
8.80	8.73	8.87	35644	1587700	Tetrachloro-m-Xylene	0.020000	1782222	-12.3	20.0		
9.90			285								
10.38	10.32	10.46	66299	3028788	alpha-BHC	0.020000	3314953	-9.4	20.0		
11.23	11.16	11.30	60818	2817265	gamma-BHC (Lindane)	0.020000	3040908	-7.9	20.0		
11.48	11.41	11.55	20375	1035150	beta-BHC	0.020000	1018735	1.6	20.0		
11.93	11.85	11.99	53351	2721052	delta-BHC	0.020000	2667555	2.0	20.0		
12.45	12.38	12.52	56687	2589888	Heptachlor	0.020000	2834360	-9.4	20.0		
13.18	13.11	13.25	52402	2391920	Aldrin	0.020000	2620080	-9.5	20.0		
13.98			634								
14.42			349								
14.62	14.56	14.70	47920	2235460	Heptachlor Epoxide	0.020000	2396013	-7.2	20.0		
14.91	14.84	14.98	47205	2245768	gamma-Chlordane	0.020000	2360253	-5.1	20.0		
15.22	15.15	15.29	40703	1924148	alpha-Chlordane	0.020000	2035168	-5.8	20.0		
15.41	15.34	15.48	77182	2012896	4,4'-DDE	0.040000	1929544	4.1	20.0		
15.52	15.45	15.59	40021	2067970	Endosulfan I	0.020000	2001038	3.2	20.0		
16.06	15.99	16.13	85888	2037205	Dieldrin	0.040000	2147211	-5.4	20.0		
16.36			1992								
16.58	16.51	16.65	70935	1695798	Endrin	0.040000	1773380	-4.6	20.0		
16.74	16.66	16.80	63302	1534440	4,4'-DDD	0.040000	1582542	-3.1	20.0		
17.08	17.01	17.15	71552	1759840	Endosulfan II	0.040000	1788807	-1.6	20.0		
17.35	17.27	17.41	69348	1722489	4,4'-DDT	0.040000	1733706	-0.7	20.0		
17.68			354								
18.00	17.93	18.07	56188	1371845	Endrin Aldehyde	0.040000	1404705	-2.4	20.0		
18.41	18.33	18.47	150351	731447	Methoxychlor	0.200000	751753	-2.8	20.0		
18.96	18.89	19.03	61947	1574194	Endosulfan sulfate	0.040000	1548675	1.6	20.0		
19.24			725								
19.57	19.49	19.63	73315	1849761	Endrin Ketone	0.040000	1832870	0.9	20.0		
21.86	21.79	21.93	65274	1622138	Decachlorobiphenyl	0.040000	1631845	-0.6	20.0		

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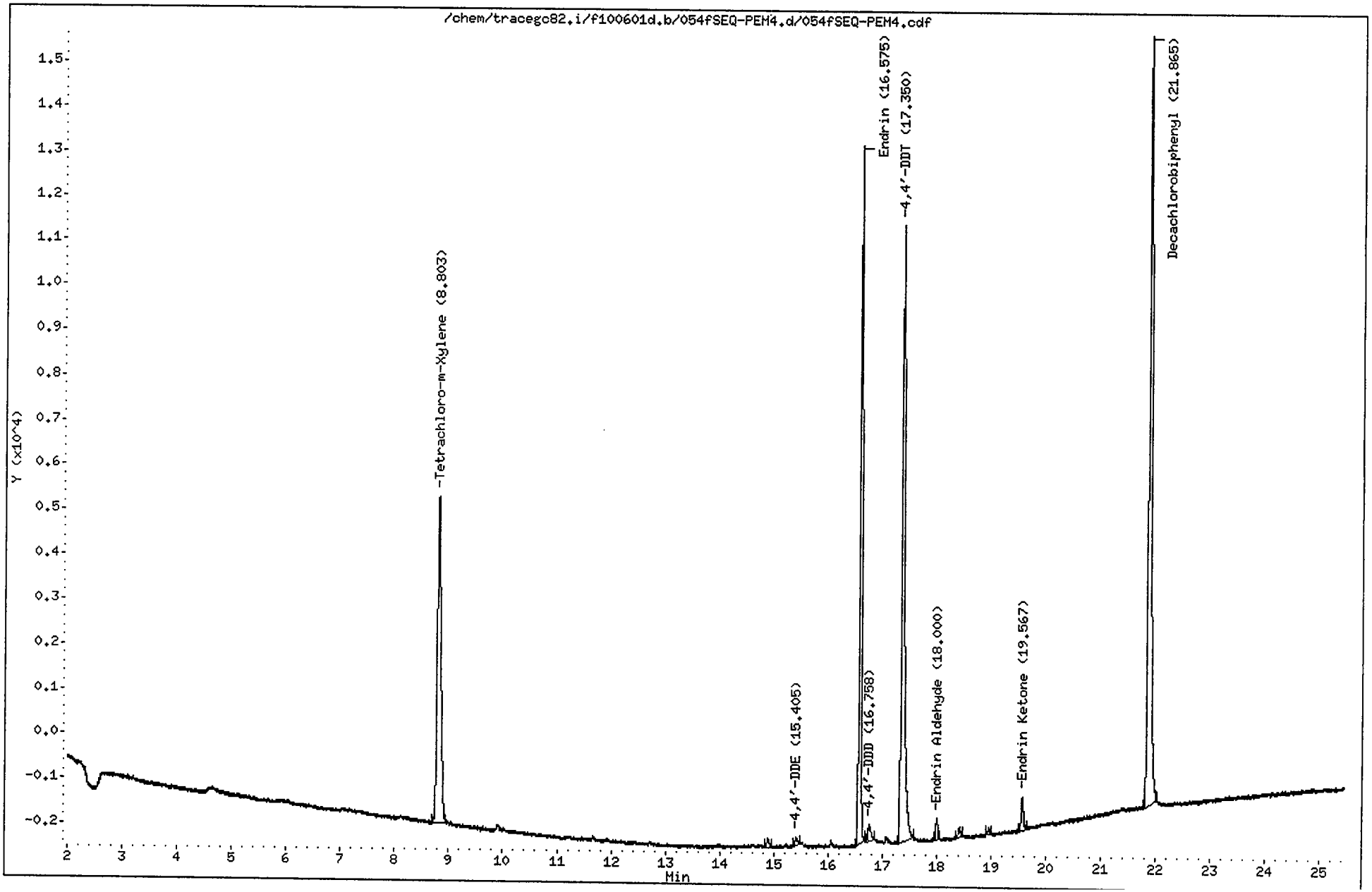
Data File: /chem/tracegc82.i/f100601d.b/054fSEQ-PEM4.d
Date : 02-JUN-2010 17:32
Client ID: PEMFJ
Sample Info: SEQ-PEM4
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM4 Client Smp Id : PEMFJ
Sample Type : SAMPLE Sublist : PEM
Inj Date : 02-JUN-2010 17:32 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601d.b/8081A_clpestv6.m
Misc. Info : PEMFJ

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.35			311								
1.43			508								
8.80	8.73	8.87	34915	1587700	Tetrachloro-m-Xylene	0.021991	0.021991		111.1	43 - 135	
14.89			656								
15.40	15.34	15.48	540	2012896	4,4'-DDE	0.000268	0.000268	0.020000			J
16.58	16.51	16.65	38789	1695798	Endrin	0.022874	0.022874	0.020000			
16.76	16.66	16.80	1422	1534440	4,4'-DDD	0.000927	0.000927	0.020000			J
17.35	17.27	17.41	49506	1722489	4,4'-DDT	0.028741	0.028741	0.020000			
18.00	17.93	18.07	1215	1371845	Endrin Aldehyde	0.000886	0.000886	0.020000			J
18.42			620								
18.95			365								
19.57	19.49	19.63	2217	1849761	Endrin Ketone	0.001199	0.001199	0.020000			J
21.86	21.79	21.93	64041	1622138	Decachlorobiphenyl	0.039479	0.039479		99.7	43 - 144	

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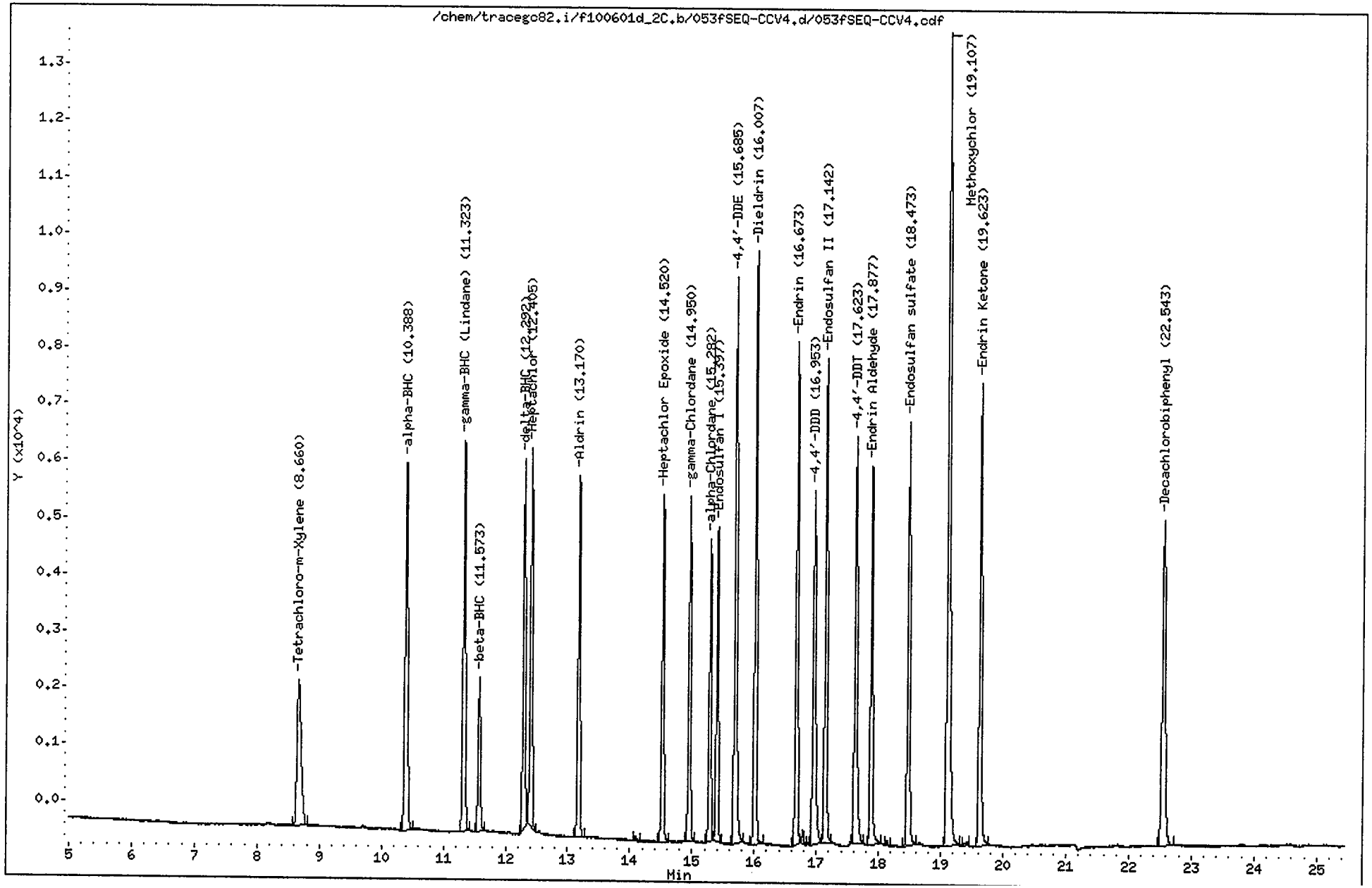
Data File: /chem/tracegc82.i/f100601d_2C.b/053fSEQ-CCV4.d
Date : 02-JUN-2010 17:03
Client ID: INDC3FJ
Sample Info: SEQ-CCV4
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



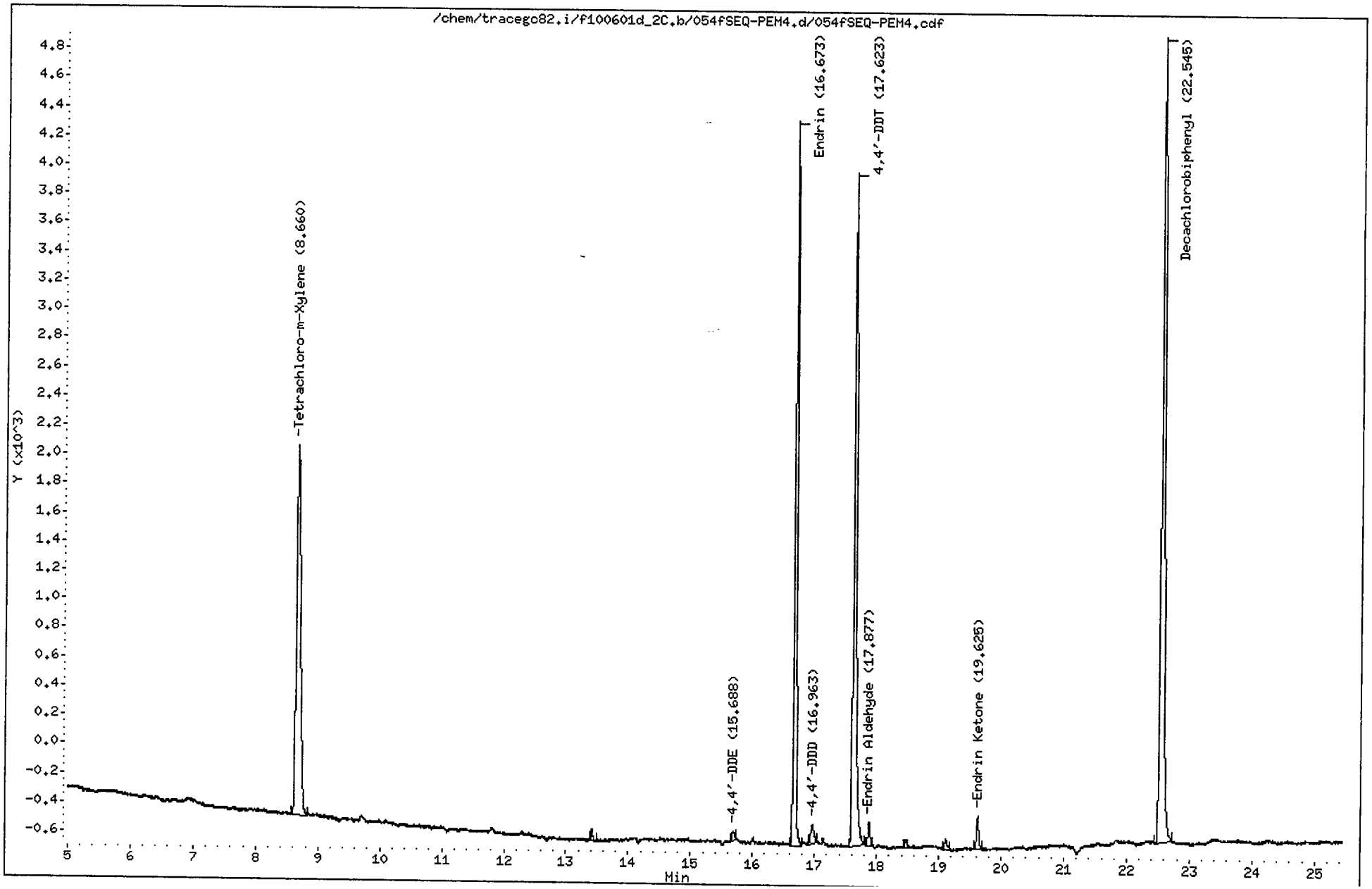
CompuChem

Lab Smp Id : SEQ-CCV4 Client Smp Id : INDC3FJ
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 02-JUN-2010 17:03 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601d_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3FJ

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.35			483								
1.50			3280								
2.67			771								
8.66	8.59	8.73	11966	548876	Tetrachloro-m-Xylene	0.020000	598298	-9.0	20.0		
10.39	10.32	10.46	19419	916452	alpha-BHC	0.020000	970940	-5.9	20.0		
11.32	11.25	11.39	18080	866882	gamma-BHC (Lindane)	0.020000	903990	-4.3	20.0		
11.57	11.50	11.64	6842	347428	beta-BHC	0.020000	342115	1.5	20.0		
12.29	12.22	12.36	15370	827595	delta-BHC	0.020000	768503	7.1	20.0		
12.40	12.33	12.47	16353	778205	Heptachlor	0.020000	817627	-5.1	20.0		
13.17	13.10	13.24	15307	726628	Aldrin	0.020000	765370	-5.3	20.0		
14.10			226								
14.52	14.45	14.59	14229	683115	Heptachlor Epoxide	0.020000	711435	-4.1	20.0		
14.95	14.88	15.02	14209	690205	gamma-Chlordane	0.020000	710430	-2.9	20.0		
15.28	15.21	15.35	12163	595455	alpha-Chlordane	0.020000	608140	-2.1	20.0		
15.40	15.33	15.47	13052	638725	Endosulfan I	0.020000	652613	-2.2	20.0		
15.68	15.61	15.75	25403	617325	4,4'-DDE	0.040000	635073	-2.9	20.0		
16.01	15.94	16.08	24447	598394	Dieldrin	0.040000	611167	-2.1	20.0		
16.67	16.60	16.74	21002	524785	Endrin	0.040000	525041	0.0	20.0		
16.78			491								
16.95	16.87	17.01	18470	454222	4,4'-DDD	0.040000	461762	-1.7	20.0		
17.14	17.07	17.21	20673	526756	Endosulfan II	0.040000	516815	1.9	20.0		
17.62	17.55	17.69	19444	503765	4,4'-DDT	0.040000	486110	3.5	20.0		
17.88	17.81	17.95	16685	425754	Endrin Aldehyde	0.040000	417131	2.0	20.0		
18.13			148								
18.47	18.40	18.54	18501	479624	Endosulfan sulfate	0.040000	462523	3.6	20.0		
19.11	19.03	19.17	41510	208391	Methoxychlor	0.200000	207552	0.4	20.0		
19.39			223								
19.62	19.55	19.69	21024	535815	Endrin Ketone	0.040000	525588	1.9	20.0		
22.54	22.47	22.61	19906	497254	Decachlorobiphenyl	0.040000	497656	-0.1	20.0		

Data File: /chem/tracegc82.i/f100601d_2C.b/054fSEQ-PEM4.d
Date : 02-JUN-2010 17:32
Client ID: PEMFJ
Sample Info: SEQ-PEM4
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM4 Client Smp Id : PEMFJ
Sample Type : SAMPLE Sublist : PEM
Inj Date : 02-JUN-2010 17:32 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601d_2C.b/8081A_clpest2v6.m
Misc. Info : PEMFJ

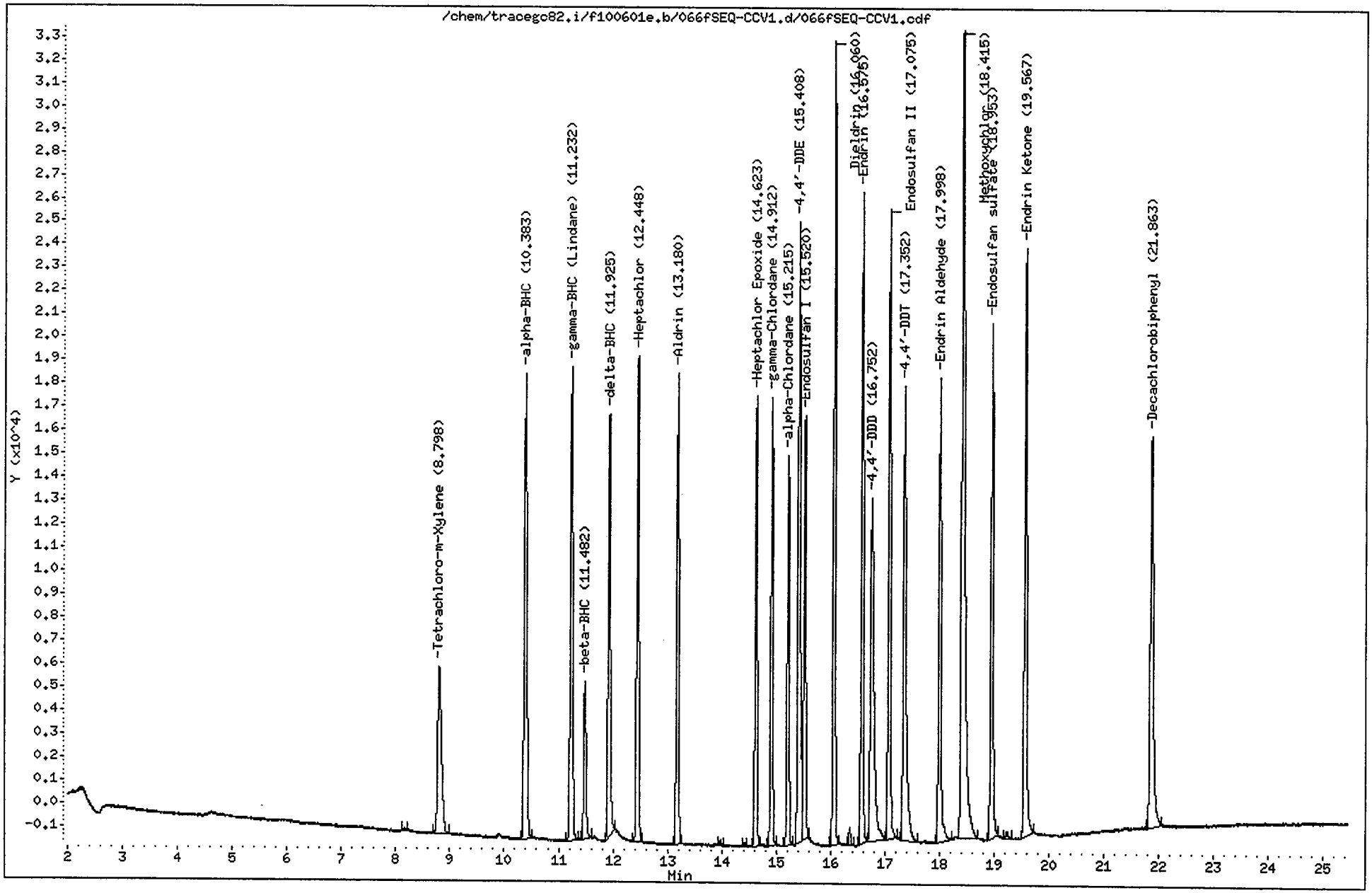
Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.35		684								
1.50		58786								
2.60		402								
8.66	8.59 8.73	11838	548876	Tetrachloro-m-Xylene	0.021567	0.021567		108.9	43 - 135	
13.42		179								
15.69	15.61 15.75	161	617325	4,4'-DDE	0.000262	0.000262	0.020000			J
16.67	16.60 16.74	12051	524785	Endrin	0.022963	0.022963	0.020000			
16.96	16.87 17.01	456	454222	4,4'-DDD	0.001005	0.001005	0.020000			J
17.62	17.55 17.69	14426	503765	4,4'-DDT	0.028636	0.028636	0.020000			
17.88	17.81 17.95	369	425754	Endrin Aldehyde	0.000866	0.000866	0.020000			J
18.47		127								
19.12		212								
19.62	19.55 19.69	573	535815	Endrin Ketone	0.001069	0.001069	0.020000			J
22.54	22.47 22.61	19763	497254	Decachlorobiphenyl	0.039743	0.039743		100.4	43 - 144	

Data File: /chem/tracegc82.i/f100601e.b/066fSEQ-CCV1.d
Date : 02-JUN-2010 23:21
Client ID: INDC3FL
Sample Info: SEQ-CCV1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV1 Client Smp Id : INDC3FL
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 02-JUN-2010 23:21 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601e.b/8081A_clpestv6.m
Misc. Info : INDC3FL

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.04			446								
1.21			422								
1.23			385								
1.37			4583								
1.46			41289								
8.16			332								
8.80	8.73	8.87	35220	1587700	Tetrachloro-m-Xylene	0.020000	1761000	-10.9	20.0		
10.38	10.32	10.46	65372	3028788	alpha-BHC	0.020000	3268550	-7.9	20.0		
11.23	11.16	11.30	60102	2817265	gamma-BHC (Lindane)	0.020000	3005050	-6.7	20.0		
11.48	11.41	11.55	19874	1035150	beta-BHC	0.020000	993700	4.0	20.0		
11.92	11.85	11.99	50705	2721052	delta-BHC	0.020000	2535250	6.8	20.0		
12.45	12.38	12.52	55872	2589888	Heptachlor	0.020000	2793600	-7.9	20.0		
13.18	13.11	13.25	51954	2391920	Aldrin	0.020000	2597700	-8.6	20.0		
13.97			589								
14.41			413								
14.62	14.56	14.70	47186	2235460	Heptachlor Epoxide	0.020000	2359250	-5.5	20.0		
14.91	14.84	14.98	46666	2245768	gamma-Chlordane	0.020000	2333250	-3.9	20.0		
15.22	15.15	15.29	40500	1924148	alpha-Chlordane	0.020000	2025000	-5.2	20.0		
15.41	15.34	15.48	80266	2012896	4,4'-DDE	0.040000	2006650	0.3	20.0	M2	
15.52	15.45	15.59	47404	2067970	Endosulfan I	0.020000	2370150	-14.6	20.0	M2	
16.06	15.99	16.13	84927	2037205	Dieldrin	0.040000	2123175	-4.2	20.0		
16.36			1846								
16.58	16.51	16.65	70072	1695798	Endrin	0.040000	1751775	-3.3	20.0		
16.75	16.66	16.80	64961	1534440	4,4'-DDD	0.040000	1624025	-5.8	20.0		
17.08	17.01	17.15	69732	1759840	Endosulfan II	0.040000	1743275	0.9	20.0		
17.35	17.27	17.41	67675	1722489	4,4'-DDT	0.040000	1691850	1.8	20.0		
18.00	17.93	18.07	56515	1371845	Endrin Aldehyde	0.040000	1412850	-3.0	20.0		
18.42	18.33	18.47	143008	731447	Methoxychlor	0.200000	715035	2.2	20.0		
18.95	18.89	19.03	60375	1574194	Endosulfan sulfate	0.040000	1509350	4.1	20.0		
19.24			967								
19.57	19.49	19.63	72431	1849761	Endrin Ketone	0.040000	1810750	2.1	20.0		
21.86	21.79	21.93	65002	1622138	Decachlorobiphenyl	0.040000	1625050	-0.2	20.0		

M2 } pm 6/3/10

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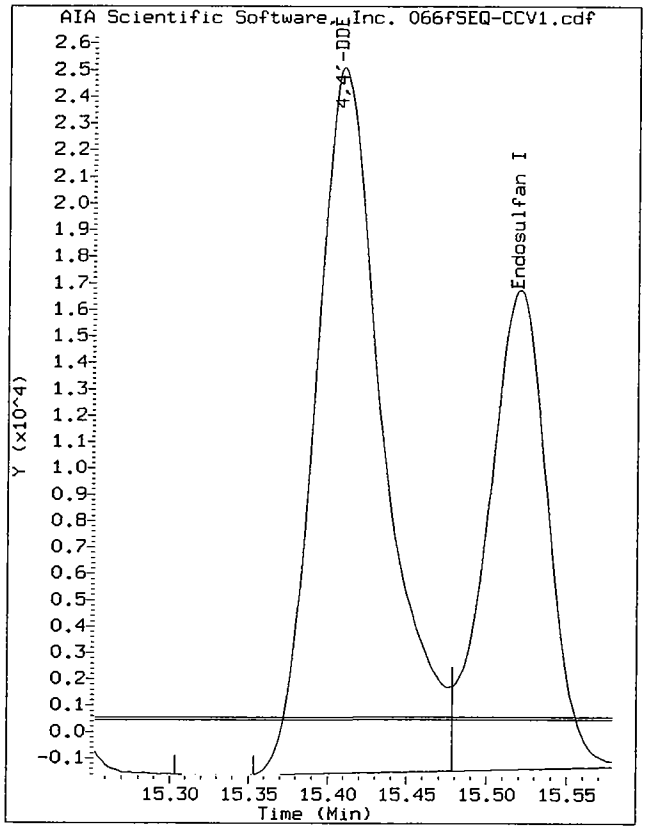
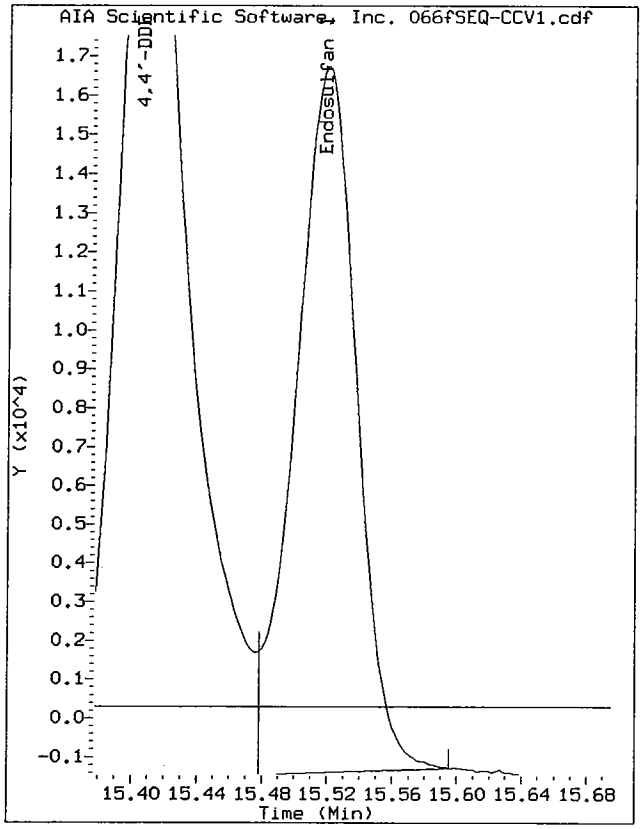
Manually Integrated Peaks

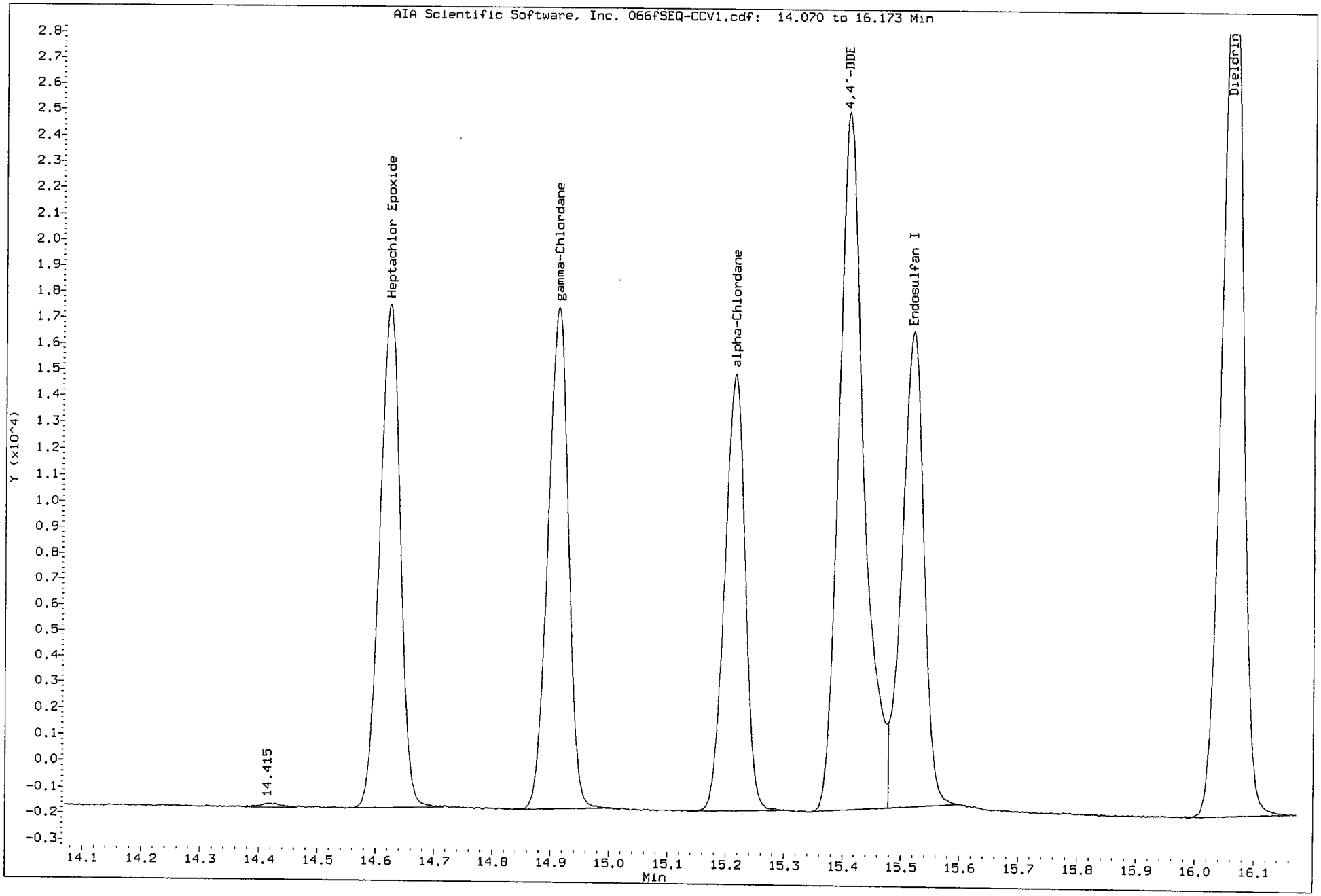


Start: 15.35 Stop: 15.48



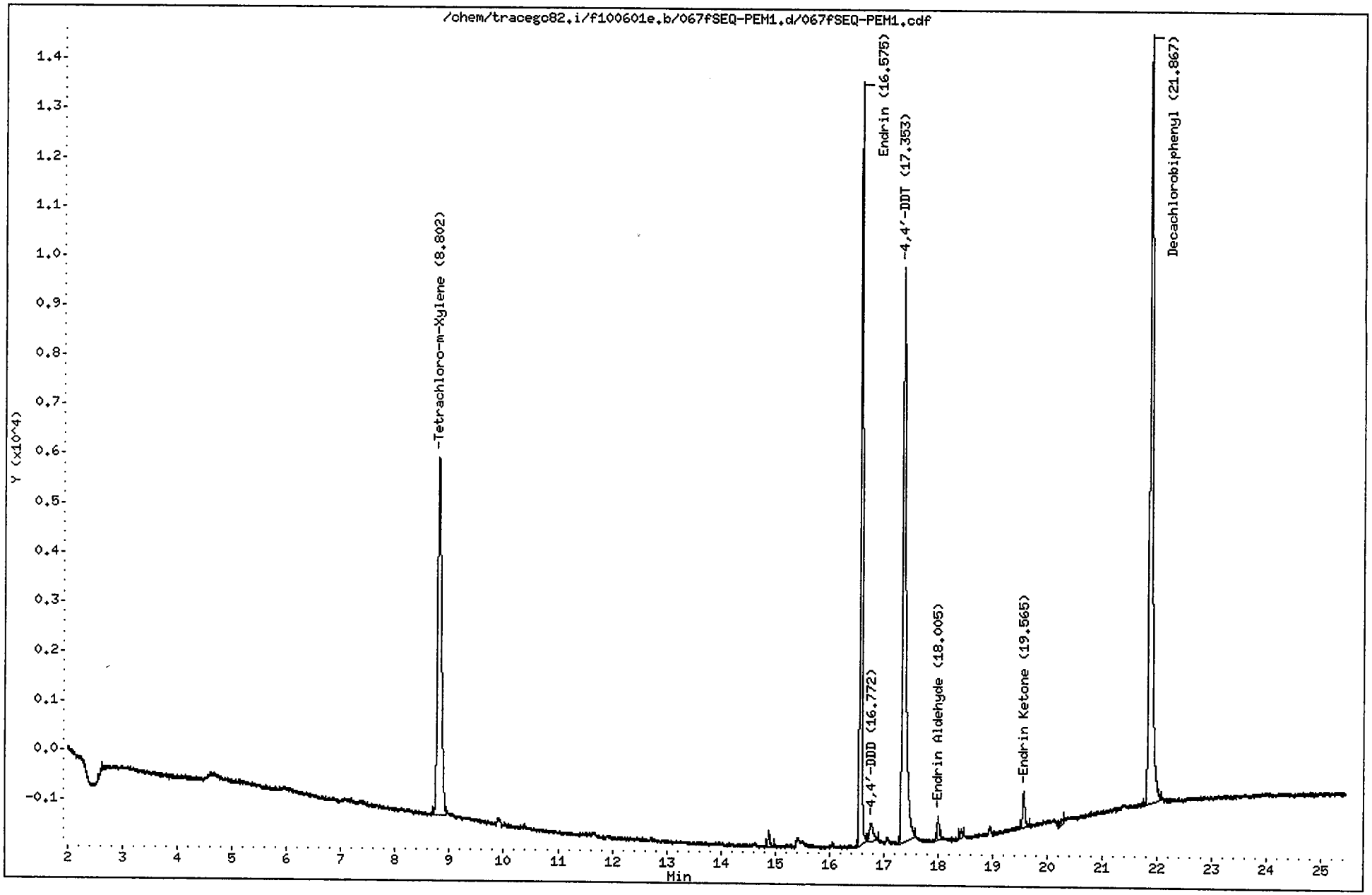
Start: 15.48 Stop: 15.60

Data File: /chem/tracegc82.i/f100601e.b/066fSEQ-CCV1.d/066fSEQ-CCV1.cdf
Injection Date: 02-JUN-2010 23:21
Instrument: tracegc82.i
Client Sample ID: INDC3FL



Data File: /chem/tracegc82.i/f100601e.b/067fSEQ-PEM1.d
Date : 02-JUN-2010 23:51
Client ID: PEMFL
Sample Info: SEQ-PEM1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM1 Client Smp Id : PEMFL
Sample Type : SAMPLE Sublist : PEM
Inj Date : 02-JUN-2010 23:51 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601e.b/8081A_clpestv6.m
Misc. Info : PEMFL

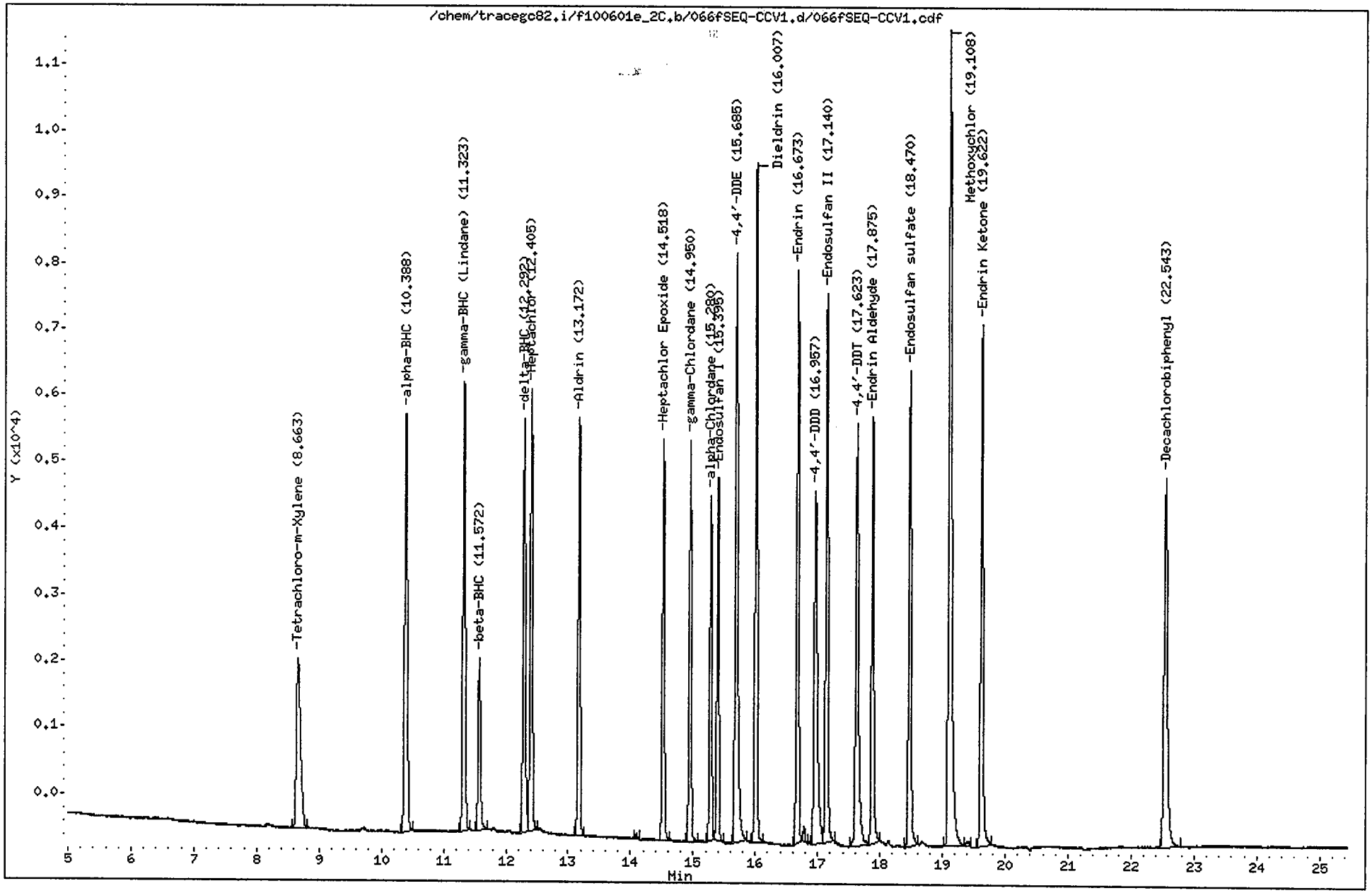
Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
0.86			321								
1.04			321								
1.24			409								
1.29			830								
1.37			3371								
1.44			33487								
2.63			313								
8.80	8.73	8.87	35496	1587700	Tetrachloro-m-Xylene	0.022357	0.022357		112.9	43 - 135	
14.89			941								
16.58	16.51	16.65	39251	1695798	Endrin	0.023146	0.023146	0.020000			
16.77	16.66	16.80	1838	1534440	4,4'-DDD	0.001198	0.001198	0.020000			J
17.35	17.27	17.41	47445	1722489	4,4'-DDT	0.027545	0.027545	0.020000			
18.00	17.93	18.07	1227	1371845	Endrin Aldehyde	0.000894	0.000894	0.020000			J
18.43			463								
19.56	19.49	19.63	2134	1849761	Endrin Ketone	0.001154	0.001154	0.020000			J
20.28			458								
21.87	21.79	21.93	60907	1622138	Decachlorobiphenyl	0.037548	0.037548		94.8	43 - 144	

Data File: /chem/tracegc82.i/f100601e_2C.b/066fSEQ-CCV1.d
Date : 02-JUN-2010 23:21
Client ID: INDC3FL
Sample Info: SEQ-CCV1
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV1 Client Smp Id : INDC3FL
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 02-JUN-2010 23:21 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601e_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3FL

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.36			700								
1.51			75692								
2.66			544								
8.66	8.59	8.73	11738	548876	Tetrachloro-m-Xylene	0.020000	586925	-6.9	20.0		
10.39	10.32	10.46	18962	916452	alpha-BHC	0.020000	948105	-3.5	20.0		
11.32	11.25	11.39	17692	866882	gamma-BHC (Lindane)	0.020000	884580	-2.0	20.0		
11.57	11.50	11.64	6748	347428	beta-BHC	0.020000	337383	2.9	20.0		
12.29	12.22	12.36	15374	827595	delta-BHC	0.020000	768703	7.1	20.0		
12.40	12.33	12.47	17005	778205	Heptachlor	0.020000	850263	-9.3	20.0		
13.17	13.10	13.24	15114	726628	Aldrin	0.020000	755720	-4.0	20.0		
14.09			173								
14.52	14.45	14.59	14014	683115	Heptachlor Epoxide	0.020000	700685	-2.6	20.0		
14.95	14.88	15.02	14147	690205	gamma-Chlordane	0.020000	707335	-2.5	20.0		
15.28	15.21	15.35	11984	595455	alpha-Chlordane	0.020000	599187	-0.6	20.0		
15.40	15.33	15.47	12858	638725	Endosulfan I	0.020000	642885	-0.7	20.0		
15.68	15.61	15.75	25432	617325	4,4'-DDE	0.040000	635799	-3.0	20.0		
16.01	15.94	16.08	24151	598394	Dieldrin	0.040000	603774	-0.9	20.0		
16.67	16.60	16.74	20593	524785	Endrin	0.040000	514835	1.9	20.0		
16.78			458								
16.96	16.87	17.01	18493	454222	4,4'-DDD	0.040000	462325	-1.8	20.0		
17.14	17.07	17.21	20683	526756	Endosulfan II	0.040000	517077	1.8	20.0		
17.62	17.55	17.69	19587	503765	4,4'-DDT	0.040000	489675	2.8	20.0		
17.88	17.81	17.95	16041	425754	Endrin Aldehyde	0.040000	401030	5.8	20.0		
18.47	18.40	18.54	18380	479624	Endosulfan sulfate	0.040000	459496	4.2	20.0		
19.11	19.03	19.17	40303	208391	Methoxychlor	0.200000	201516	3.3	20.0		
19.39			246								
19.62	19.55	19.69	20933	535815	Endrin Ketone	0.040000	523330	2.3	20.0		
22.54	22.47	22.61	20332	497254	Decachlorobiphenyl	0.040000	508297	-2.2	20.0		

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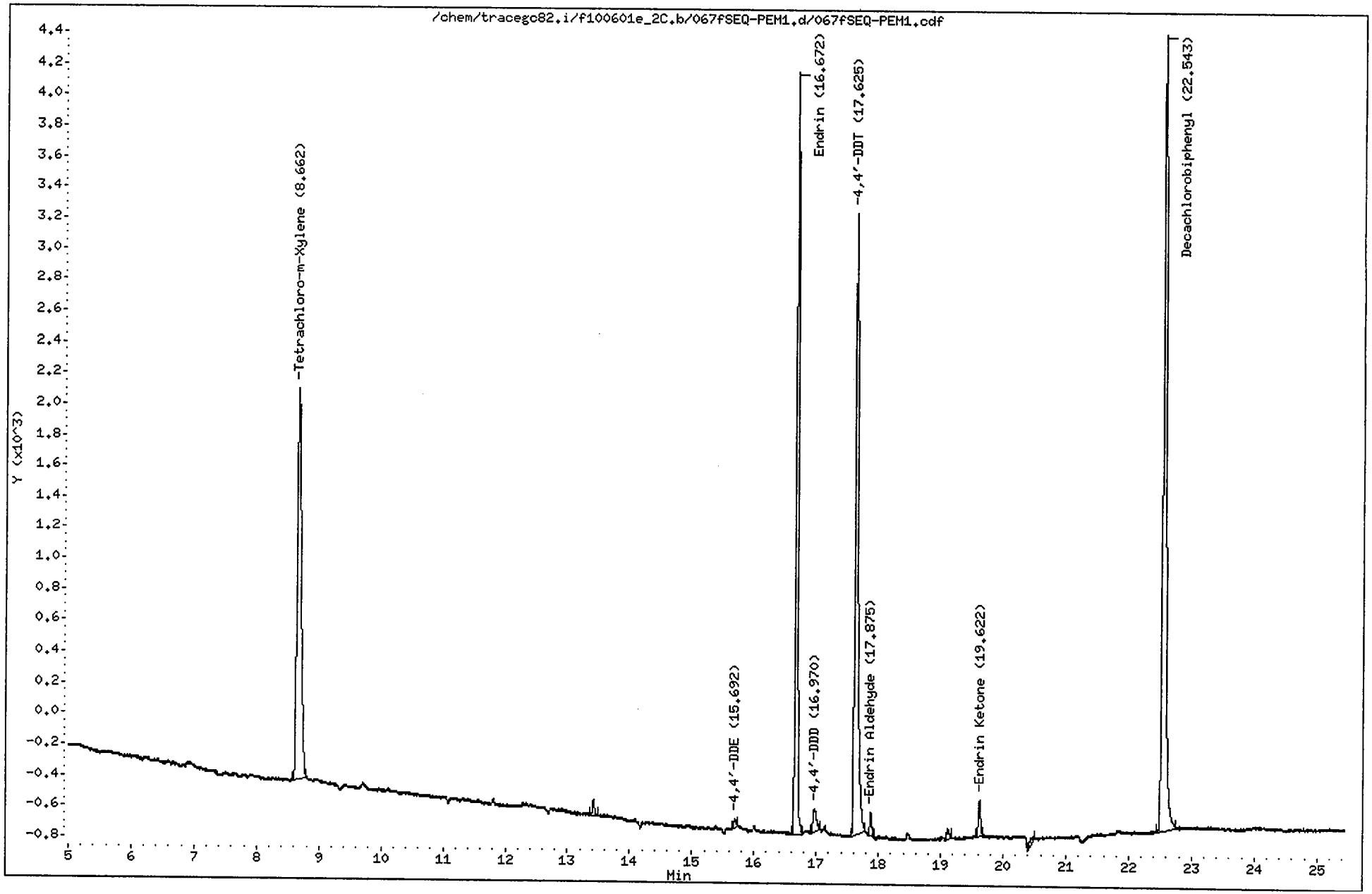
Data File: /chem/tracegc82.i/f100601e_2C.b/067fSEQ-PEM1.d
Date : 02-JUN-2010 23:51
Client ID: PEMFL
Sample Info: SEQ-PEM1
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM1 Client Smp Id : PEMFL
Sample Type : SAMPLE Sublist : PEM
Inj Date : 02-JUN-2010 23:51 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601e_2C.b/8081A_clpest2v6.m
Misc. Info : PEMFL

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.35			468								
1.49			61495								
2.59			376								
8.66	8.59	8.73	11689	548876	Tetrachloro-m-Xylene	0.021296	0.021296		107.6	43 - 135	
13.41			251								
15.69	15.61	15.75	138	617325	4,4'-DDE	0.000224	0.000224	0.020000			J
16.67	16.60	16.74	12088	524785	Endrin	0.023034	0.023034	0.020000			
16.97	16.87	17.01	595	454222	4,4'-DDD	0.001310	0.001310	0.020000			J
17.62	17.55	17.69	13651	503765	4,4'-DDT	0.027097	0.027097	0.020000			
17.88	17.81	17.95	374	425754	Endrin Aldehyde	0.000877	0.000877	0.020000			J
19.11			165								
19.62	19.55	19.69	568	535815	Endrin Ketone	0.001061	0.001061	0.020000			J
20.48			212								
22.54	22.47	22.61	19069	497254	Decachlorobiphenyl	0.038349	0.038349		96.8	43 - 144	

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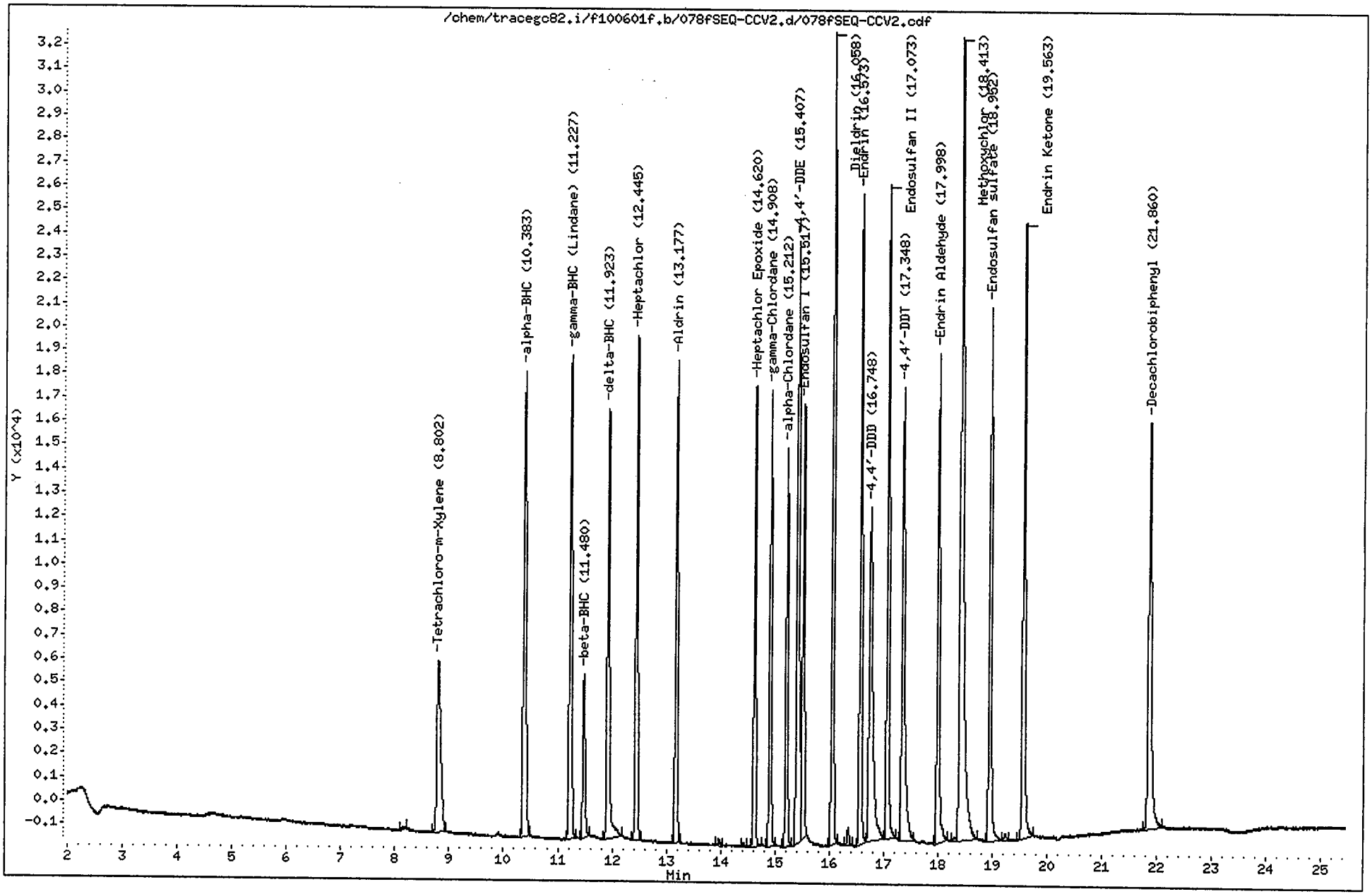
Manual Integrations							
SDG:							
Sample(s)	SEQ-CCV1						
Compound							
alpha-BHC							
gamma-BHC							
beta-BHC							
delta-BHC							
Heptachlor							
Aldrin							
Heptachlor Epoxide							
gamma-Chlordane							
alpha-Chlordane							
Endosulfan I	x						
4,4'-DDE	x						
Dieldrin							
Endrin							
4,4'-DDD							
Endosulfan II							
4,4'-DDT							
Endrin Aldehyde							
Endosulfan sulfate							
Methoxychlor							
Endrin Ketone							
Toxaphene							
Technical Chordane							
Tetrachloro-m-xylene							
Decachlorbiphenyl							
"X" Denotes a manual integration for the compound							

Data File: /chem/tracegc82.i/f100601f.b/078fSEQ-CCV2.d
Date : 03-JUN-2010 05:11
Client ID: INDC3FN
Sample Info: SEQ-CCV2
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV2 Client Smp Id : INDC3FN
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 03-JUN-2010 05:11 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601f.b/8081A_clpestv6.m
Misc. Info : INDC3FN

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.04			337								
1.25			331								
1.37			3394								
1.46			40385								
8.16			387								
8.80	8.73	8.87	35571	1587700	Tetrachloro-m-Xylene	0.020000	1778500	-12.0	20.0		
10.38	10.32	10.46	66000	3028788	alpha-BHC	0.020000	3299950	-9.0	20.0		
11.23	11.16	11.30	60458	2817265	gamma-BHC (Lindane)	0.020000	3022900	-7.3	20.0		
11.48	11.41	11.55	19877	1035150	beta-BHC	0.020000	993850	4.0	20.0		
11.92	11.85	11.99	55310	2721052	delta-BHC	0.020000	2765450	-1.6	20.0		
12.44	12.38	12.52	56621	2589888	Heptachlor	0.020000	2831050	-9.3	20.0		
13.18	13.11	13.25	52411	2391920	Aldrin	0.020000	2620550	-9.6	20.0		
13.97			755								
14.42			366								
14.62	14.56	14.70	47891	2235460	Heptachlor Epoxide	0.020000	2394500	-7.1	20.0		
14.91	14.84	14.98	47201	2245768	gamma-Chlordane	0.020000	2360000	-5.1	20.0		
15.21	15.15	15.29	40879	1924148	alpha-Chlordane	0.020000	2043950	-6.2	20.0		
15.41	15.34	15.48	78971	2012896	4,4'-DDE	0.040000	1974275	1.9	20.0	M2	
15.52	15.45	15.59	48574	2067970	Endosulfan I	0.020000	2428650	-17.4	20.0	M2	
16.06	15.99	16.13	85521	2037205	Dieldrin	0.040000	2138025	-4.9	20.0		
16.35			1945								
16.57	16.51	16.65	69368	1695798	Endrin	0.040000	1734200	-2.3	20.0		
16.75	16.66	16.80	65550	1534440	4,4'-DDD	0.040000	1638750	-6.8	20.0		
17.07	17.01	17.15	70625	1759840	Endosulfan II	0.040000	1765600	-0.3	20.0		
17.35	17.27	17.41	66575	1722489	4,4'-DDT	0.040000	1664350	3.4	20.0		
18.00	17.93	18.07	57029	1371845	Endrin Aldehyde	0.040000	1425725	-3.9	20.0		
18.30			437								
18.41	18.33	18.47	144120	731447	Methoxychlor	0.200000	720600	1.5	20.0		
18.95	18.89	19.03	62978	1574194	Endosulfan sulfate	0.040000	1574425	0.0	20.0		
19.24			906								
19.56	19.49	19.63	75009	1849761	Endrin Ketone	0.040000	1875200	-1.4	20.0		
21.86	21.79	21.93	66653	1622138	Decachlorobiphenyl	0.040000	1666325	-2.7	20.0		

M2 3 pm 6/3/10

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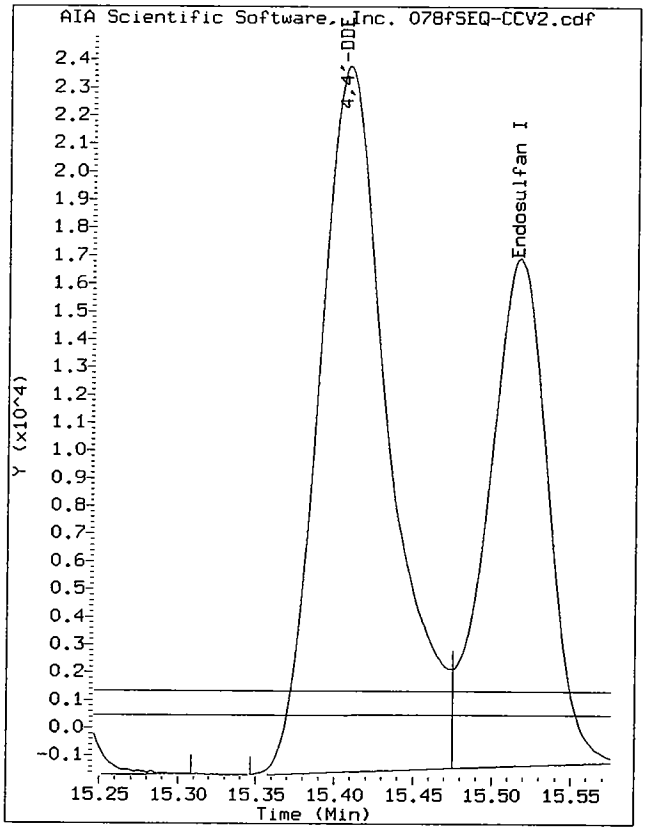
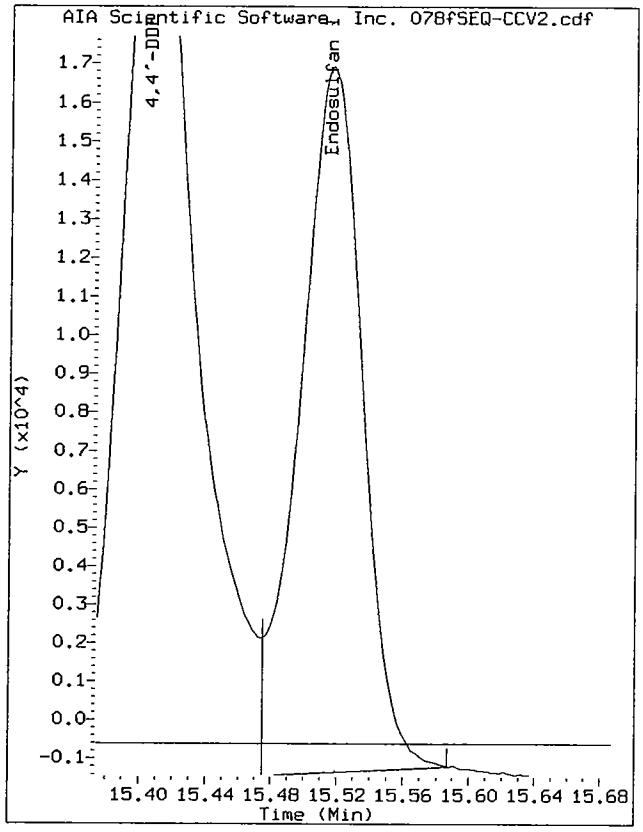
Manually Integrated Peaks

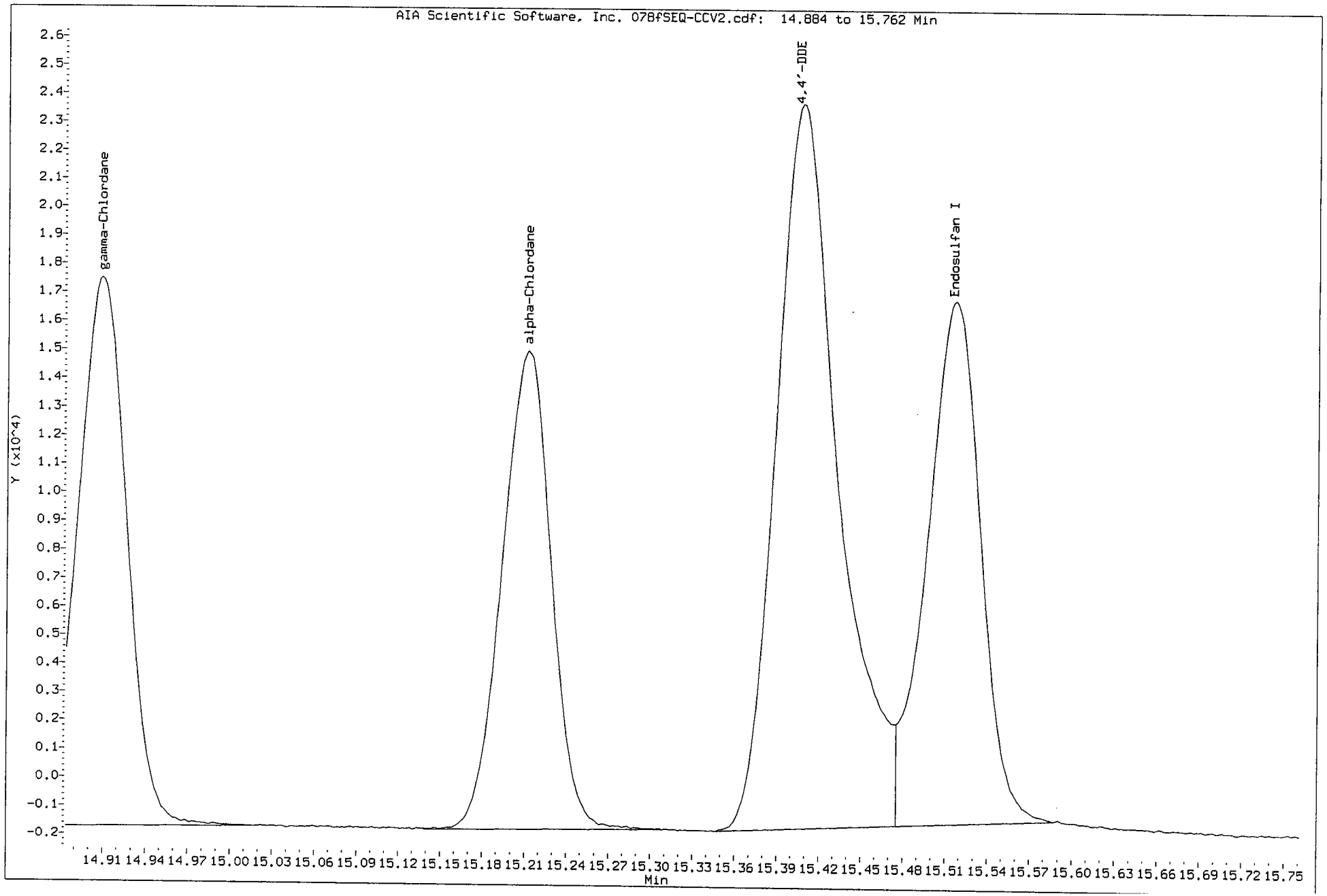


Start: 15.35 Stop: 15.47



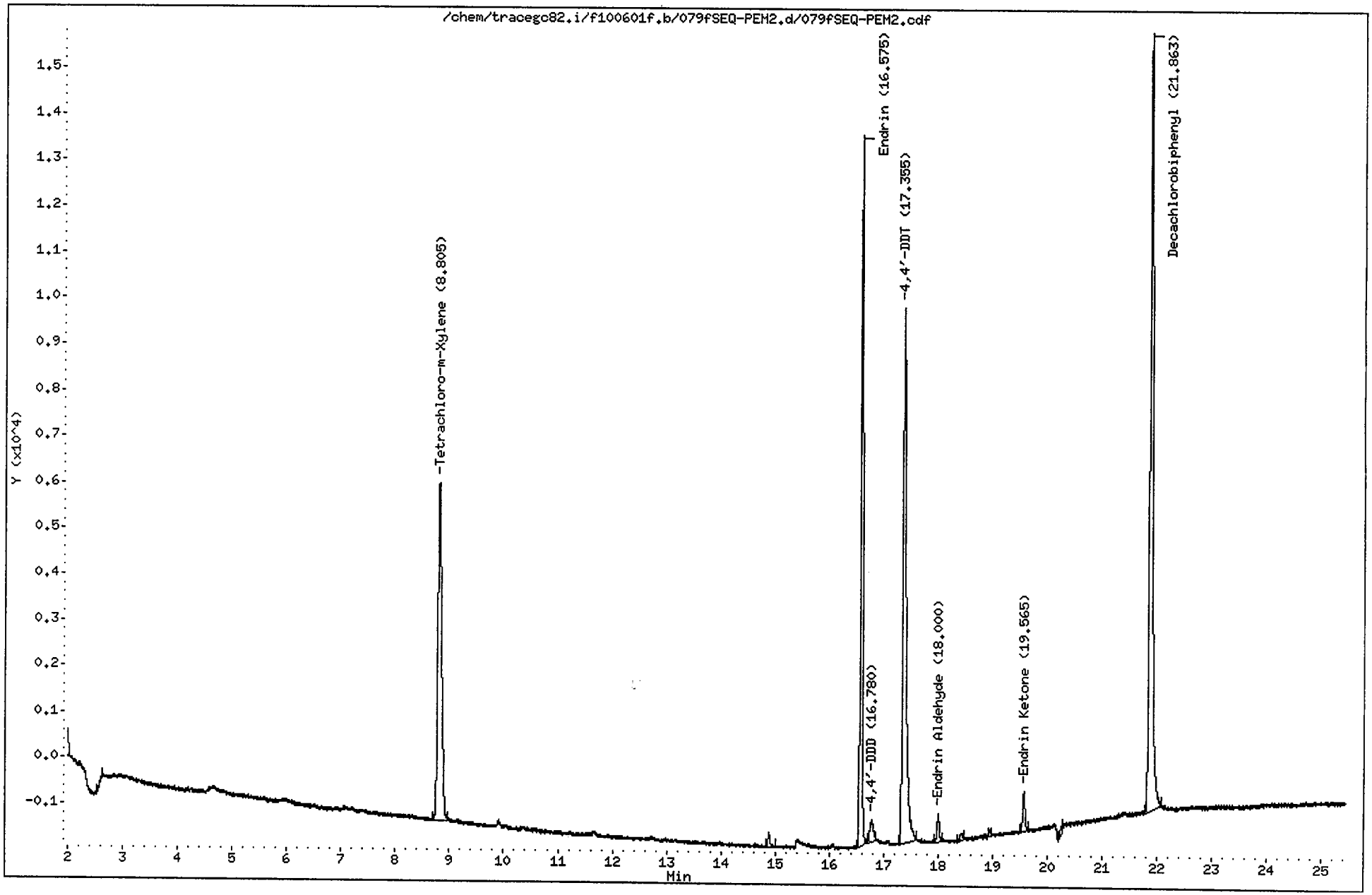
Start: 15.47 Stop: 15.59

Data File: /chem/tracegc82.i/f100601f.b/078fSEQ-CCV2.d/078fSEQ-CCV2.cdf
Injection Date: 03-JUN-2010 05:11
Instrument: tracegc82.i
Client Sample ID: INDC3FN



Data File: /chem/tracegc82.i/f100601f.b/079fSEQ-PEM2.d
Date : 03-JUN-2010 05:40
Client ID: PEMFN
Sample Info: SEQ-PEM2
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



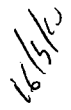
CompuChem

Lab Smp Id : SEQ-PEM2 Client Smp Id : PEMFN
Sample Type : SAMPLE Sublist : PEM
Inj Date : 03-JUN-2010 05:40 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601f.b/8081A_clpestv6.m
Misc. Info : PEMFN

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

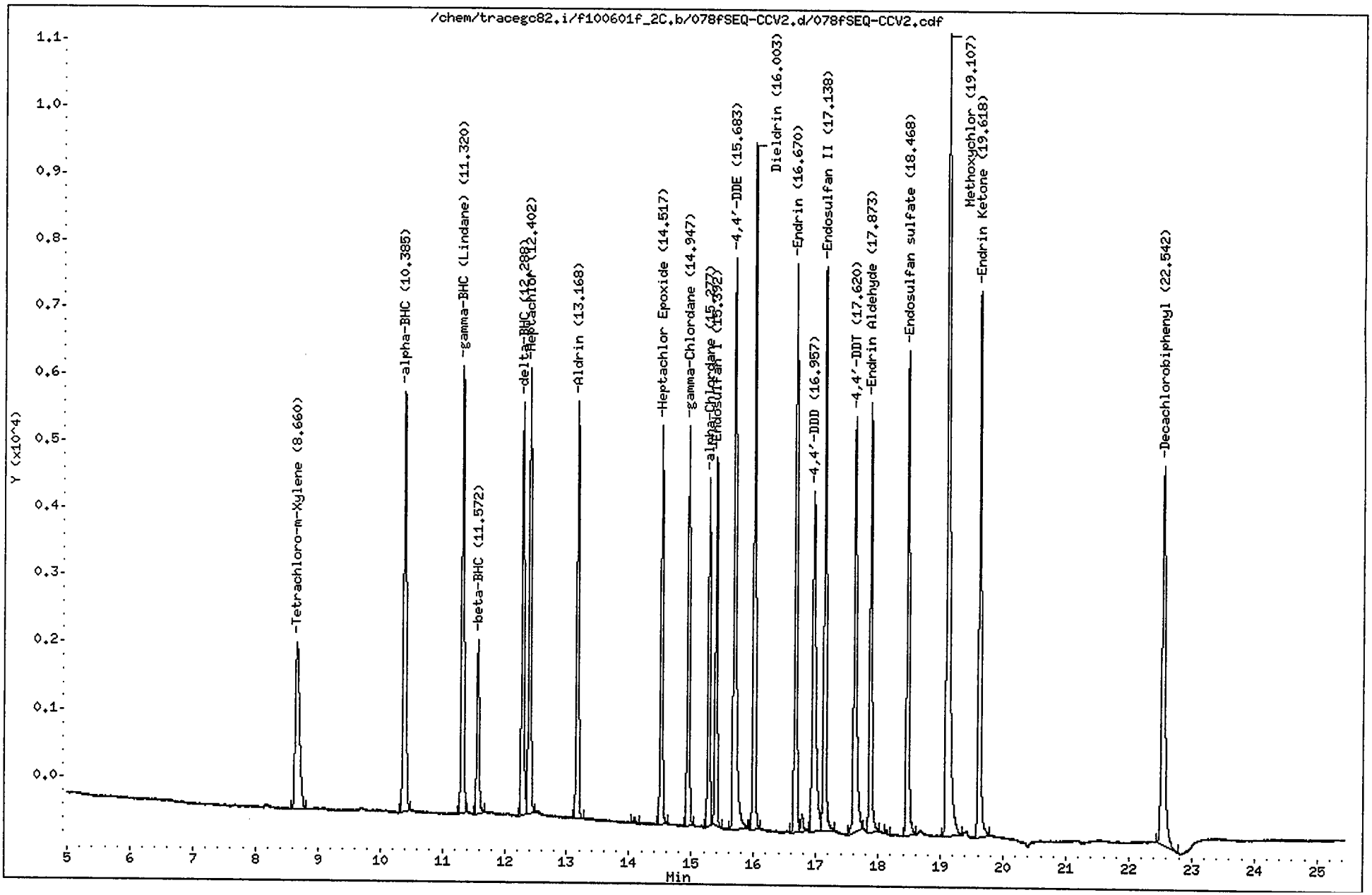
RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.05			535								
1.25			720								
1.38			4261								
1.45			37921								
2.62			322								
8.80	8.73	8.87	36208	1587700	Tetrachloro-m-Xylene	0.022805	0.022805		115.2	43 - 135	
14.88			987								
16.58	16.51	16.65	39000	1695798	Endrin	0.022998	0.022998	0.020000			
16.78	16.66	16.80	2071	1534440	4,4'-DDD	0.001350	0.001350	0.020000			J
17.36	17.27	17.41	47799	1722489	4,4'-DDT	0.027750	0.027750	0.020000			
18.00	17.93	18.07	1659	1371845	Endrin Aldehyde	0.001210	0.001210	0.020000			J
18.42			568								
18.95			284								
19.56	19.49	19.63	2486	1849761	Endrin Ketone	0.001344	0.001344	0.020000			J
20.25			457								
21.86	21.79	21.93	64674	1622138	Decachlorobiphenyl	0.039869	0.039869		100.7	43 - 144	



Data File: /chem/tracegc82.i/f100601f_2C.b/078fSEQ-CCV2.d
Date : 03-JUN-2010 05:11
Client ID: INDC3FN
Sample Info: SEQ-CCV2
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

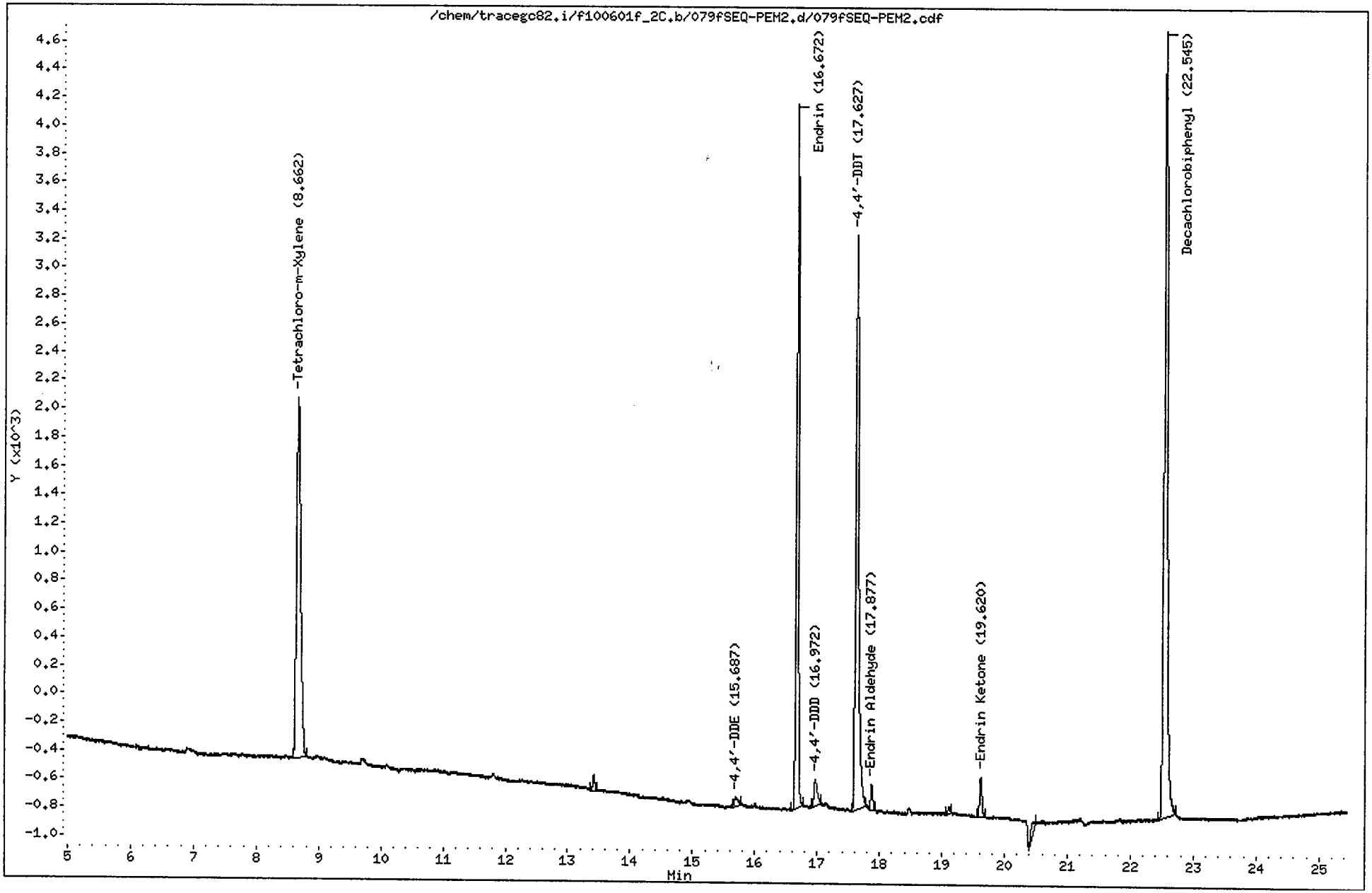
Lab Smp Id : SEQ-CCV2 Client Smp Id : INDC3FN
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 03-JUN-2010 05:11 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601f_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3FN

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
0.03			155								
1.35			811								
1.50			75964								
2.64			704								
8.66	8.59	8.73	11645	548876	Tetrachloro-m-Xylene	0.020000	582258	-6.1	20.0		
10.38	10.32	10.46	18845	916452	alpha-BHC	0.020000	942273	-2.8	20.0		
11.32	11.25	11.39	17519	866882	gamma-BHC (Lindane)	0.020000	875945	-1.0	20.0		
11.57	11.50	11.64	6623	347428	beta-BHC	0.020000	331175	4.7	20.0		
12.29	12.22	12.36	15062	827595	delta-BHC	0.020000	753123	9.0	20.0		
12.40	12.33	12.47	16839	778205	Heptachlor	0.020000	841955	-8.2	20.0		
13.17	13.10	13.24	15057	726628	Aldrin	0.020000	752855	-3.6	20.0		
14.09			230								
14.52	14.45	14.59	13944	683115	Heptachlor Epoxide	0.020000	697215	-2.1	20.0		
14.95	14.88	15.02	13991	690205	gamma-Chlordane	0.020000	699555	-1.4	20.0		
15.28	15.21	15.35	11950	595455	alpha-Chlordane	0.020000	597495	-0.3	20.0		
15.39	15.33	15.47	12812	638725	Endosulfan I	0.020000	640600	-0.3	20.0		
15.68	15.61	15.75	25769	617325	4,4'-DDE	0.040000	644235	-4.4	20.0		
16.00	15.94	16.08	23871	598394	Dieldrin	0.040000	596774	0.3	20.0		
16.67	16.60	16.74	20462	524785	Endrin	0.040000	511555	2.5	20.0		
16.78			715								
16.96	16.87	17.01	18665	454222	4,4'-DDD	0.040000	466613	-2.7	20.0		
17.14	17.07	17.21	21266	526756	Endosulfan II	0.040000	531656	-0.9	20.0		
17.62	17.55	17.69	18932	503765	4,4'-DDT	0.040000	473300	6.0	20.0		
17.87	17.81	17.95	16367	425754	Endrin Aldehyde	0.040000	409181	3.9	20.0		
18.13			126								
18.47	18.40	18.54	18594	479624	Endosulfan sulfate	0.040000	464843	3.1	20.0		
19.11	19.03	19.17	40191	208391	Methoxychlor	0.200000	200957	3.6	20.0		
19.62	19.55	19.69	21458	535815	Endrin Ketone	0.040000	536460	-0.1	20.0		
22.54	22.47	22.61	20985	497254	Decachlorobiphenyl	0.040000	524635	-5.5	20.0		

Data File: /chem/tracegc82.i/f100601f_2C.b/079fSEQ-PEM2.d
Date : 03-JUN-2010 05:40
Client ID: PEMFN
Sample Info: SEQ-PEM2
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM2 Client Smp Id : PEMFN
Sample Type : SAMPLE Sublist : PEM
Inj Date : 03-JUN-2010 05:40 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601f_2C.b/8081A_clpest2v6.m
Misc. Info : PEMFN

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

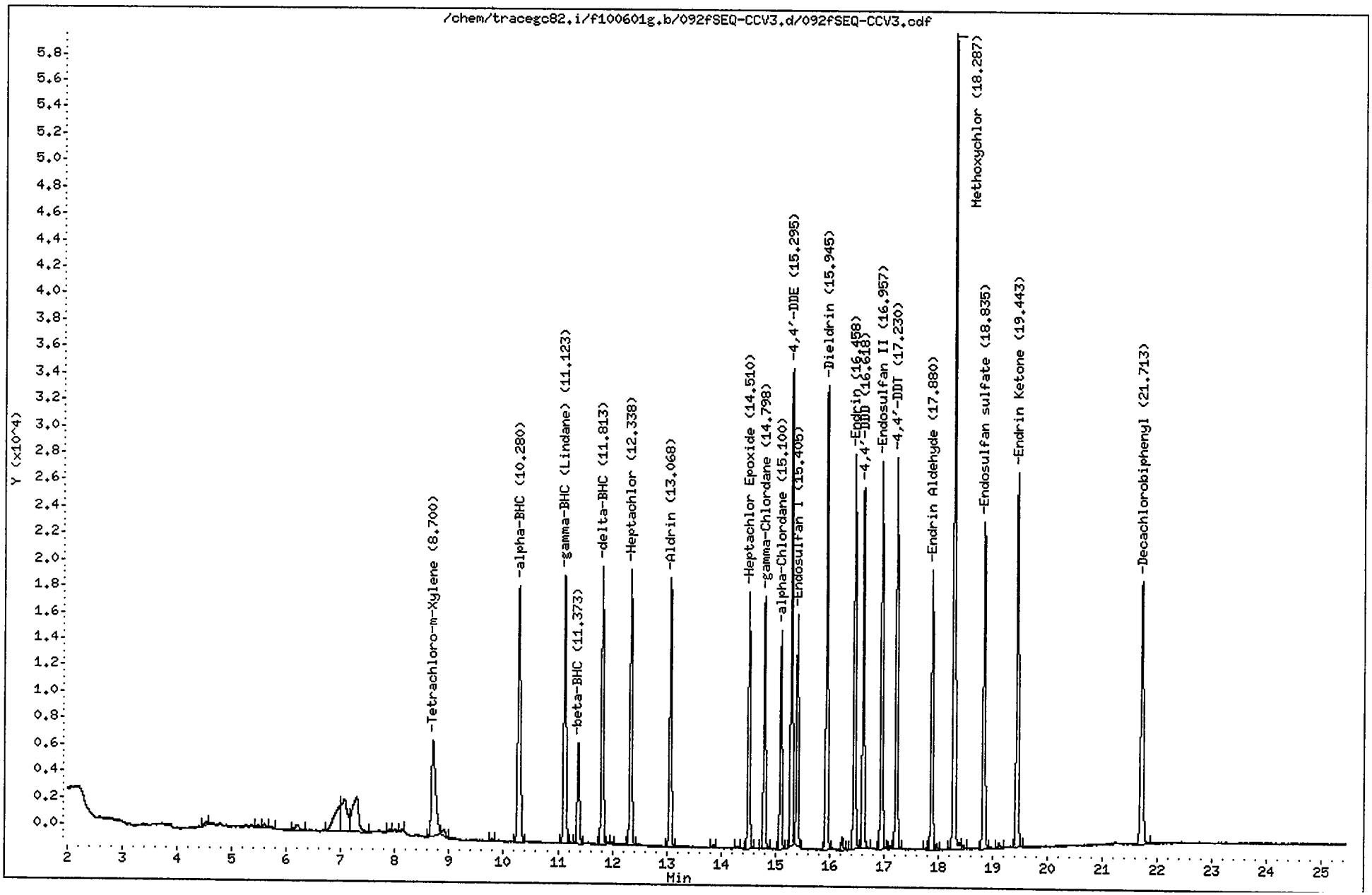
RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.35			742								
1.50			4463								
2.58			280								
8.66	8.59	8.73	11751	548876	Tetrachloro-m-Xylene	0.021410	0.021410		108.1	43 - 135	
13.42			259								
15.69	15.61	15.75	240	617325	4,4'-DDE	0.000388	0.000388	0.020000			J
16.67	16.60	16.74	11777	524785	Endrin	0.022441	0.022441	0.020000			
16.97	16.87	17.01	713	454222	4,4'-DDD	0.001569	0.001569	0.020000			J
17.63	17.55	17.69	13537	503765	4,4'-DDT	0.026872	0.026872	0.020000			
17.88	17.81	17.95	429	425754	Endrin Aldehyde	0.001008	0.001008	0.020000			J
19.11			125								
19.62	19.55	19.69	737	535815	Endrin Ketone	0.001375	0.001375	0.020000			J
20.46			400								
22.54	22.47	22.61	20107	497254	Decachlorobiphenyl	0.040435	0.040435		102.1	43 - 144	

16/1/10

Manual Integrations							
SDG:							
Sample(s)	SEQ-CCV2						
Compound							
alpha-BHC							
gamma-BHC							
beta-BHC							
delta-BHC							
Heptachlor							
Aldrin							
Heptachlor Epoxide							
gamma-Chlordane							
alpha-Chlordane							
Endosulfan I	x						
4,4'-DDE	x						
Dieldrin							
Endrin							
4,4'-DDD							
Endosulfan II							
4,4'-DDT							
Endrin Aldehyde							
Endosulfan sulfate							
Methoxychlor							
Endrin Ketone							
Toxaphene							
Technical Chordane							
Tetrachloro-m-xylene							
Decachlorbiphenyl							
"X" Denotes a manual integration for the compound							

Data File: /chem/tracegc82.i/f100601g.b/092fSEQ-CCV3.d
Date : 03-JUN-2010 13:08
Client ID: INDC3FP
Sample Info: SEQ-CCV3
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV3 Client Smp Id : INDC3FP
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 03-JUN-2010 13:08 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601g.b/8081A_clpestv6.m
Misc. Info : INDC3FP

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
0.45			622								
1.41			66715								
4.52			935								
5.47			669								
5.60			917								
5.70			682								
6.20			2614								
7.00			16533								
7.07			17800								
7.29			21996								
7.90			620								
8.11			499								
8.70	8.63	8.77	35928	1587700	Tetrachloro-m-Xylene	0.020000	1796400	-13.1	20.0		
8.90			1656								
9.80			496								
10.28	10.21	10.35	64432	3028788	alpha-BHC	0.020000	3221550	-6.4	20.0		
11.12	11.05	11.19	59178	2817265	gamma-BHC (Lindane)	0.020000	2958850	-5.0	20.0		
11.37	11.30	11.44	21461	1035150	beta-BHC	0.020000	1073000	-3.7	20.0		
11.81	11.74	11.88	56066	2721052	delta-BHC	0.020000	2803300	-3.0	20.0		
11.99			422								
12.34	12.27	12.41	55038	2589888	Heptachlor	0.020000	2751850	-6.3	20.0		
13.07	13.00	13.14	50822	2391920	Aldrin	0.020000	2541100	-6.2	20.0		
13.86			602								
14.30			351								
14.51	14.44	14.58	46622	2235460	Heptachlor Epoxide	0.020000	2331050	-4.3	20.0		
14.80	14.73	14.87	46117	2245768	gamma-Chlordane	0.020000	2305850	-2.7	20.0		
15.10	15.03	15.17	38737	1924148	alpha-Chlordane	0.020000	1936800	-0.7	20.0		
15.30	15.23	15.37	81704	2012896	4,4'-DDE	0.040000	2042575	-1.5	20.0		
15.40	15.33	15.47	42015	2067970	Endosulfan I	0.020000	2100750	-1.6	20.0		
15.94	15.87	16.01	84521	2037205	Dieldrin	0.040000	2113025	-3.7	20.0		
16.24			2138								
16.46	16.39	16.53	72848	1695798	Endrin	0.040000	1821200	-7.4	20.0		
16.62	16.55	16.69	63146	1534440	4,4'-DDD	0.040000	1578650	-2.9	20.0		
16.96	16.89	17.03	71354	1759840	Endosulfan II	0.040000	1783850	-1.4	20.0		
17.11			662								
17.23	17.16	17.30	70020	1722489	4,4'-DDT	0.040000	1750475	-1.6	20.0		
17.75			313								
17.88	17.81	17.95	51680	1371845	Endrin Aldehyde	0.040000	1292000	5.8	20.0		
17.97			1139								
18.29	18.22	18.36	151575	731447	Methoxychlor	0.200000	757870	-3.6	20.0		
18.46			703								
18.84	18.77	18.91	62460	1574194	Endosulfan sulfate	0.040000	1561475	0.8	20.0		

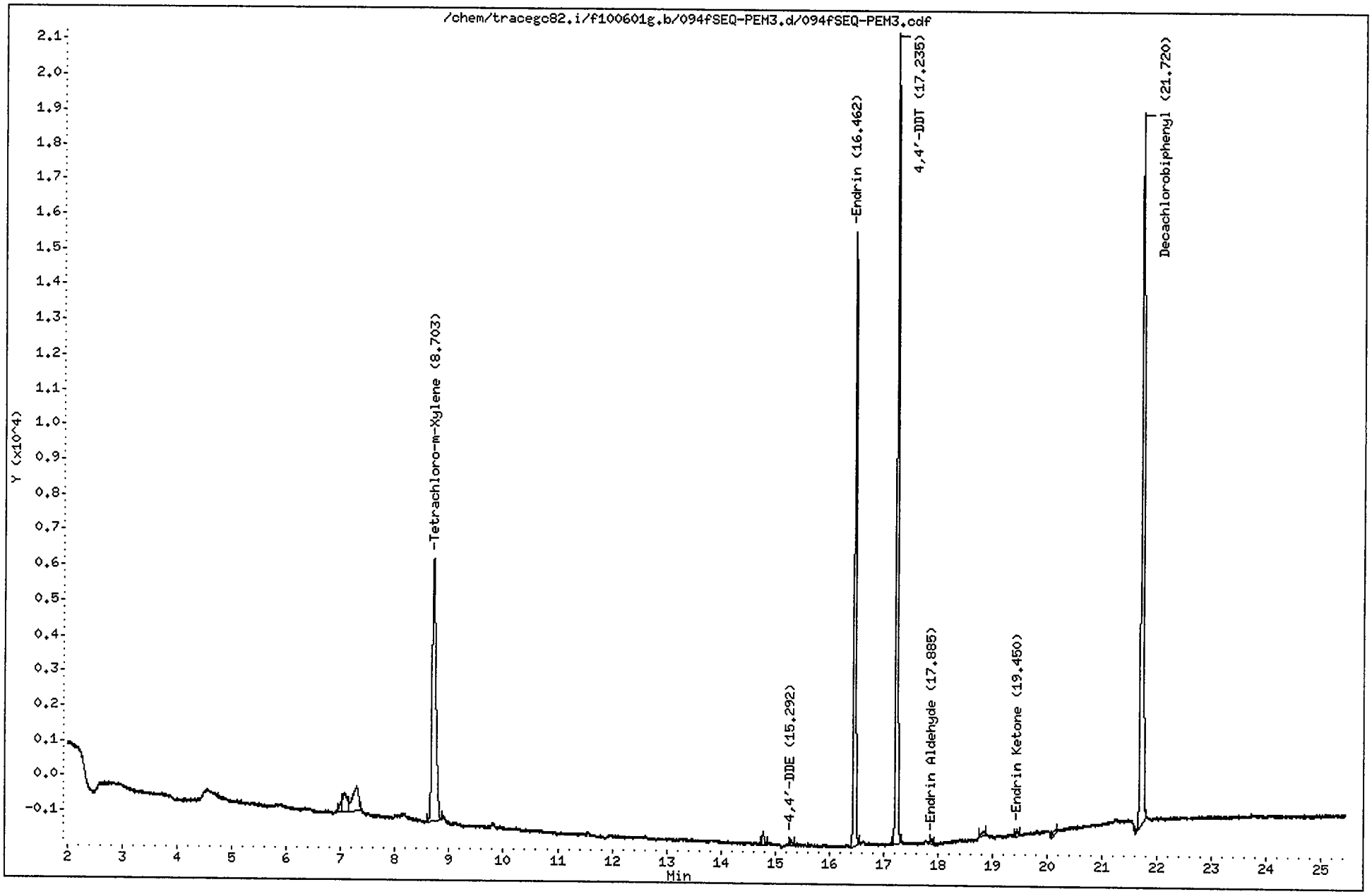
CompuChem

Lab Smp Id : SEQ-CCV3 Client Smp Id : INDC3FP
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 03-JUN-2010 13:08 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601g.b/8081A_clpestv6.m
Misc. Info : INDC3FP

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
19.12		1162								
19.44	19.37 19.51	73050	1849761	Endrin Ketone	0.040000	1826225	1.3	20.0		
21.71	21.64 21.78	63009	1622138	Decachlorobiphenyl	0.040000	1575200	2.9	20.0		

Data File: /chem/tracegc82.i/f100601g.b/094fSEQ-PEM3.d
Date : 03-JUN-2010 14:26
Client ID: PEMFP
Sample Info: SEQ-PEM3
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM3 Client Smp Id : PEMFP
Sample Type : SAMPLE Sublist : PEM
Inj Date : 03-JUN-2010 14:26 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601g.b/8081A_clpestv6.m
Misc. Info : PEMFP

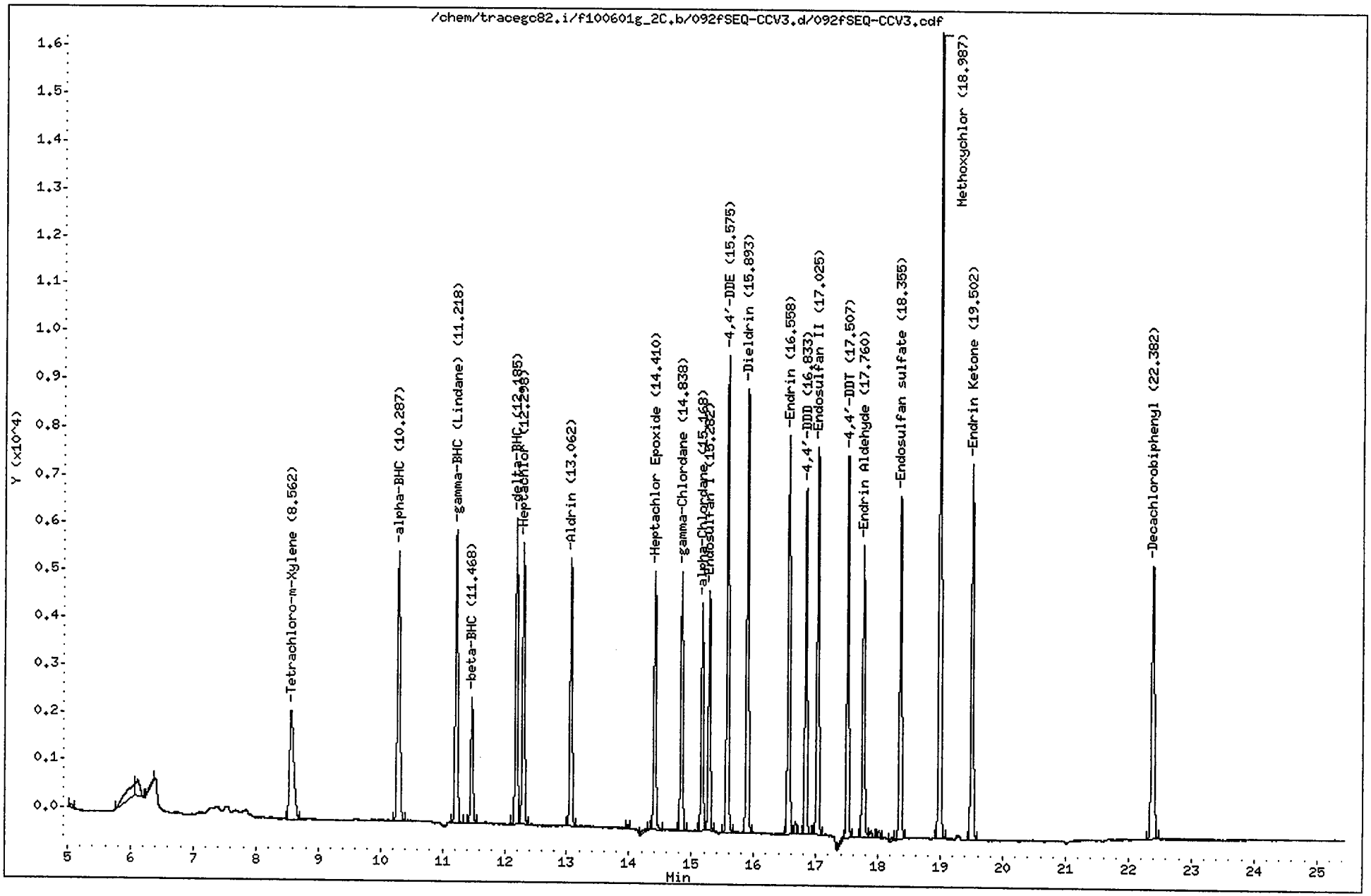
Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
0.04			476								
1.21			395								
1.26			570								
1.36			4369								
1.42			43586								
7.01			748								
7.08			3233								
7.30			5265								
8.70	8.63	8.77	36848	1587700	Tetrachloro-m-Xylene	0.023209	0.023209		117.2	43 - 135	
14.78			959								
15.29	15.23	15.37	497	2012896	4,4'-DDE	0.000247	0.000247	0.020000			J
16.46	16.39	16.53	43005	1695798	Endrin	0.025360	0.025360	0.020000			
17.24	17.16	17.30	54910	1722489	4,4'-DDT	0.031878	0.031878	0.020000			
17.88	17.81	17.95	482	1371845	Endrin Aldehyde	0.000351	0.000351	0.020000			J
18.84			475								
19.45	19.37	19.51	548	1849761	Endrin Ketone	0.000296	0.000296	0.020000			J
20.14			436								
21.72	21.64	21.78	64825	1622138	Decachlorobiphenyl	0.039963	0.039963		100.9	43 - 144	

Data File: /chem/tracegc82.i/f100601g_2C.b/092fSEQ-CCV3.d
Date : 03-JUN-2010 13:08
Client ID: INDC3FP
Sample Info: SEQ-CCV3
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



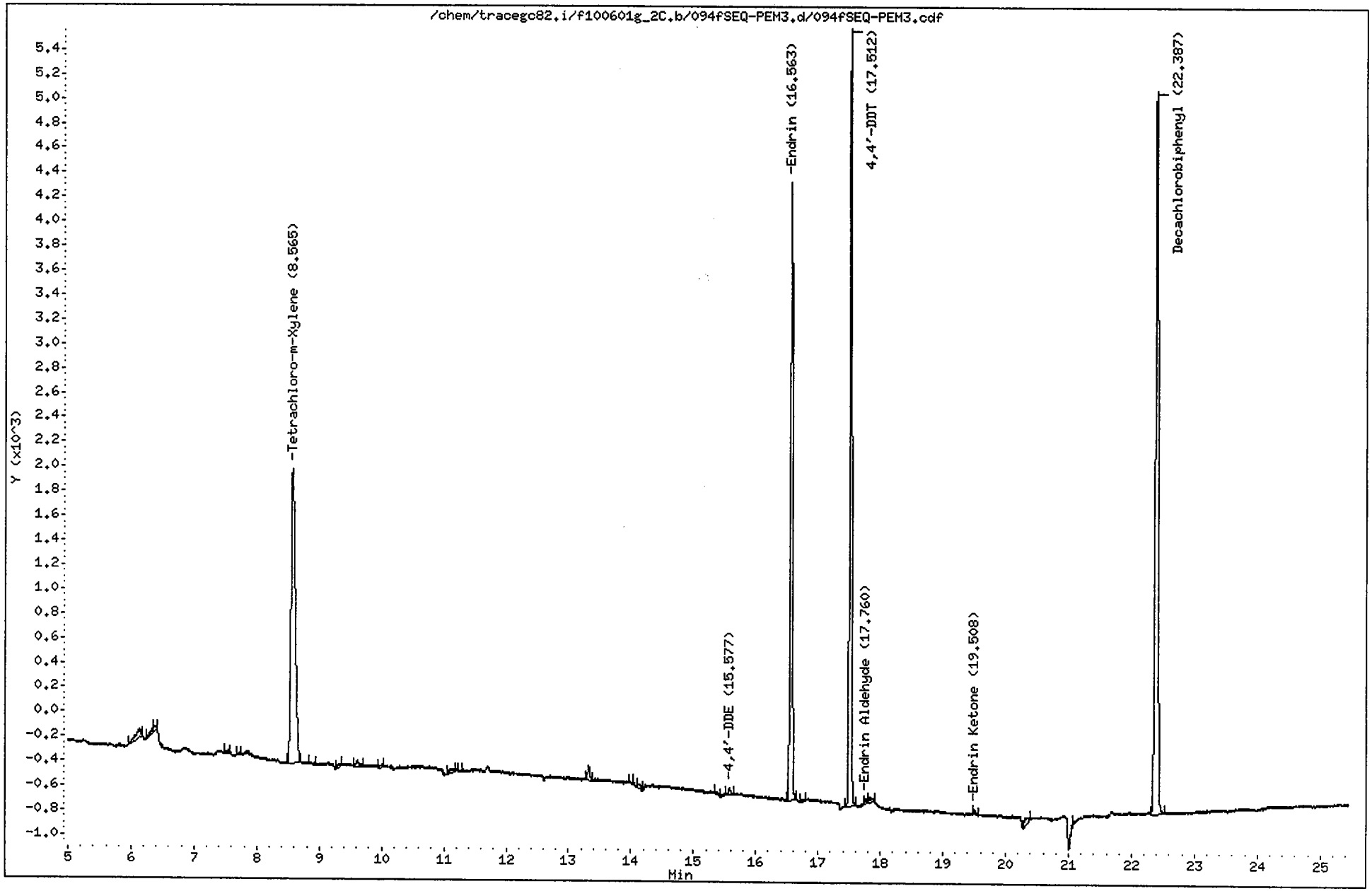
CompuChem

Lab Smp Id : SEQ-CCV3 Client Smp Id : INDC3FP
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 03-JUN-2010 13:08 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601g_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3FP

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
0.51			210								
1.04			458								
1.44			114999								
5.06			297								
6.07			2815								
6.11			1476								
6.37			325								
8.56	8.49	8.63	10501	548876	Tetrachloro-m-Xylene	0.020000	525050	4.3	20.0		
10.29	10.22	10.36	16832	916452	alpha-BHC	0.020000	841550	8.2	20.0		
11.22	11.15	11.29	15860	866882	gamma-BHC (Lindane)	0.020000	793000	8.5	20.0		
11.47	11.40	11.54	6486	347428	beta-BHC	0.020000	324250	6.7	20.0		
12.18	12.11	12.25	14852	827595	delta-BHC	0.020000	742600	10.3	20.0		
12.30	12.23	12.37	14488	778205	Heptachlor	0.020000	724350	6.9	20.0		
13.06	12.99	13.13	13346	726628	Aldrin	0.020000	667250	8.2	20.0		
13.99			150								
14.24			299								
14.41	14.34	14.48	12607	683115	Heptachlor Epoxide	0.020000	630350	7.7	20.0		
14.84	14.77	14.91	12498	690205	gamma-Chlordane	0.020000	624900	9.5	20.0		
15.17	15.10	15.24	10812	595455	alpha-Chlordane	0.020000	540550	9.2	20.0		
15.28	15.21	15.35	11597	638725	Endosulfan I	0.020000	579850	9.2	20.0		
15.58	15.51	15.65	22054	617325	4,4'-DDE	0.040000	551325	10.7	20.0		
15.89	15.82	15.96	21677	598394	Dieldrin	0.040000	541900	9.4	20.0		
16.56	16.49	16.63	19598	524785	Endrin	0.040000	489925	6.6	20.0		
16.67			554								
16.83	16.76	16.90	16208	454222	4,4'-DDD	0.040000	405175	10.8	20.0		
17.02	16.95	17.09	18992	526756	Endosulfan II	0.040000	474800	9.9	20.0		
17.43			322								
17.51	17.44	17.58	17842	503765	4,4'-DDT	0.040000	446050	11.5	20.0		
17.76	17.69	17.83	14569	425754	Endrin Aldehyde	0.040000	364200	14.5	20.0		
17.89			349								
18.02			350								
18.25			181								
18.36	18.29	18.43	17187	479624	Endosulfan sulfate	0.040000	429650	10.4	20.0		
18.99	18.92	19.06	38616	208391	Methoxychlor	0.200000	193075	7.3	20.0		
19.50	19.43	19.57	19195	535815	Endrin Ketone	0.040000	479875	10.4	20.0		
22.38	22.31	22.45	17966	497254	Decachlorobiphenyl	0.040000	449125	9.7	20.0		

Data File: /chem/tracegc82.i/f100601g_2C.b/094fSEQ-PEM3.d
Date : 03-JUN-2010 14:26
Client ID: PEMFP
Sample Info: SEQ-PEM3
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM3 Client Smp Id : PEMFP
Sample Type : SAMPLE Sublist : PEM
Inj Date : 03-JUN-2010 14:26 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601g_2C.b/8081A_clpest2v6.m
Misc. Info : PEMFP

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

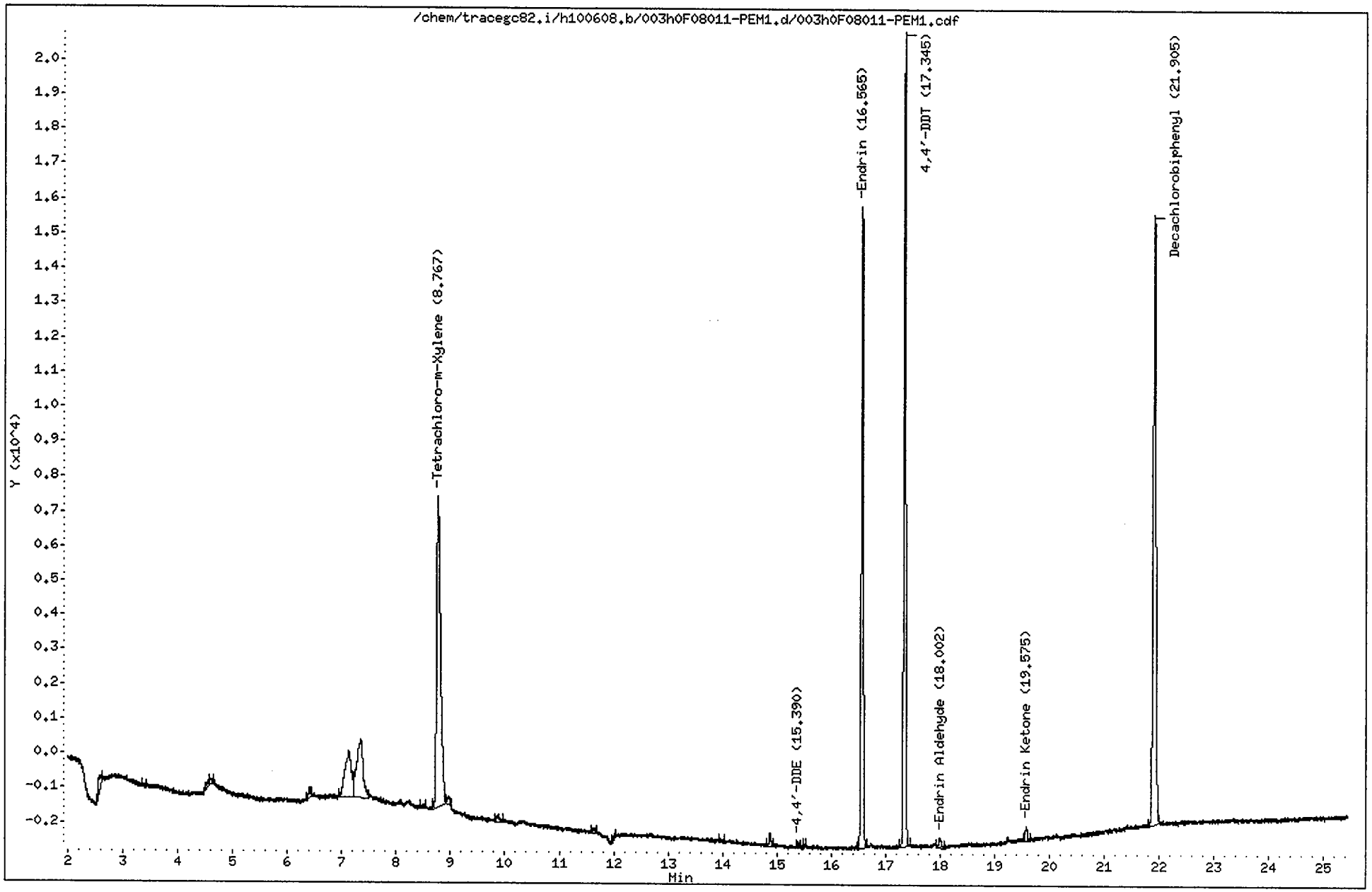
DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
0.08			93								
1.06			67								
1.34			248								
1.46			4511								
2.54			194								
6.13			361								
6.34			114								
6.37			144								
7.54			72								
7.70			42								
8.56	8.49	8.63	11240	548876	Tetrachloro-m-Xylene	0.020479	0.020479		103.4	43 - 135	
8.86			51								
9.31			68								
9.61			170								
9.99			73								
11.11			125								
11.23			41								
13.32			265								
13.98			42								
14.12			147								
15.36			95								
15.58	15.51	15.65	156	617325	4,4'-DDE	0.000252	0.000252	0.020000			J
16.56	16.49	16.63	11924	524785	Endrin	0.022722	0.022722	0.020000			
16.73			59								
17.51	17.44	17.58	14363	503765	4,4'-DDT	0.028512	0.028512	0.020000			
17.76	17.69	17.83	111	425754	Endrin Aldehyde	0.000261	0.000261	0.020000			J
17.83			175								
19.51	19.43	19.57	90	535815	Endrin Ketone	0.000168	0.000168	0.020000			J
20.32			230								
21.07			149								
22.39	22.31	22.45	18451	497254	Decachlorobiphenyl	0.037107	0.037107		93.7	43 - 144	

Data File: /chem/tracegc82.i/h100608.b/003h0F08011-PEM1.d
Date : 08-JUN-2010 15:02
Client ID: PEMHA
Sample Info: 0F08011-PEM1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: System
Column diameter: 0.32



CompuChem

Lab Smp Id : 0F08011-PEM1 Client Smp Id : PEMHA
Sample Type : SAMPLE Sublist : PEM
Inj Date : 08-JUN-2010 15:02 Inst ID : TRACEGC82
Operator : System
Method : /chem/tracegc82.i/h100608.b/8081A_clpestv6.m
Misc. Info : PEMHA

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
0.38			279								
0.51			339								
0.64			263								
1.13			354								
1.18			890								
1.23			1124								
1.35			9191								
1.42			50453								
2.58			1614								
3.36			263								
4.55			718								
4.60			399								
6.39			750								
7.12			11438								
7.33			14210								
8.48			384								
8.77	8.69	8.83	44491	2301868	Tetrachloro-m-Xylene	0.019328	0.019328		97.6	43 - 135	
8.95			774								
9.87			934								
11.62			467								
12.01			261								
13.95			322								
14.87			1043								
15.39	15.32	15.46	353	2606392	4,4'-DDE	0.000135	0.000135	0.020000			J
15.50			276								
16.56	16.49	16.63	46862	2142524	Endrin	0.021872	0.021872	0.020000			
17.34	17.27	17.41	57724	2061735	4,4'-DDT	0.027998	0.027998	0.020000			
18.00	17.93	18.07	974	1591159	Endrin Aldehyde	0.000612	0.000612	0.020000			J
19.58	19.51	19.65	1191	2060691	Endrin Ketone	0.000578	0.000578	0.020000			J
21.90	21.84	21.98	61048	1657019	Decachlorobiphenyl	0.036842	0.036842		93.0	43 - 144	

AHW
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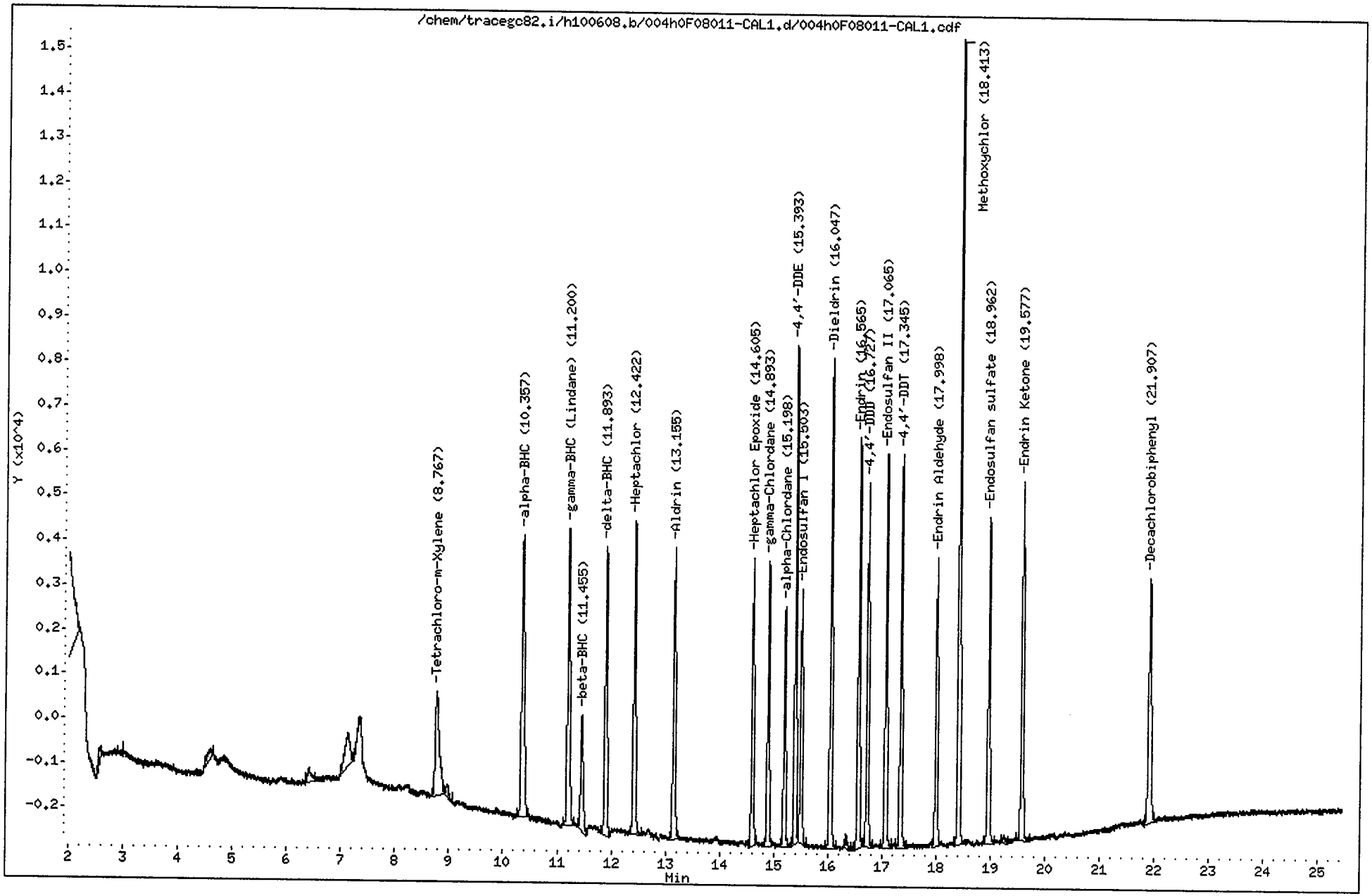
Data File: /chem/tracegc82.i/h100608.b/004h0F08011-CAL1.d
Date : 08-JUN-2010 15:31
Client ID: INDC1HA
Sample Info: 0F08011-CAL1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0F08011-CAL1 Client Smp Id : INDC1HA
Sample Type : INITIAL CAL: Level 1 Sublist : INDA
Inj Date : 08-JUN-2010 15:31 Inst ID : TRACEGC82
Operator : AHW
Method : /chem/tracegc82.i/h100608.b/8081A_clpestv6.m
Misc. Info : INDC1HA

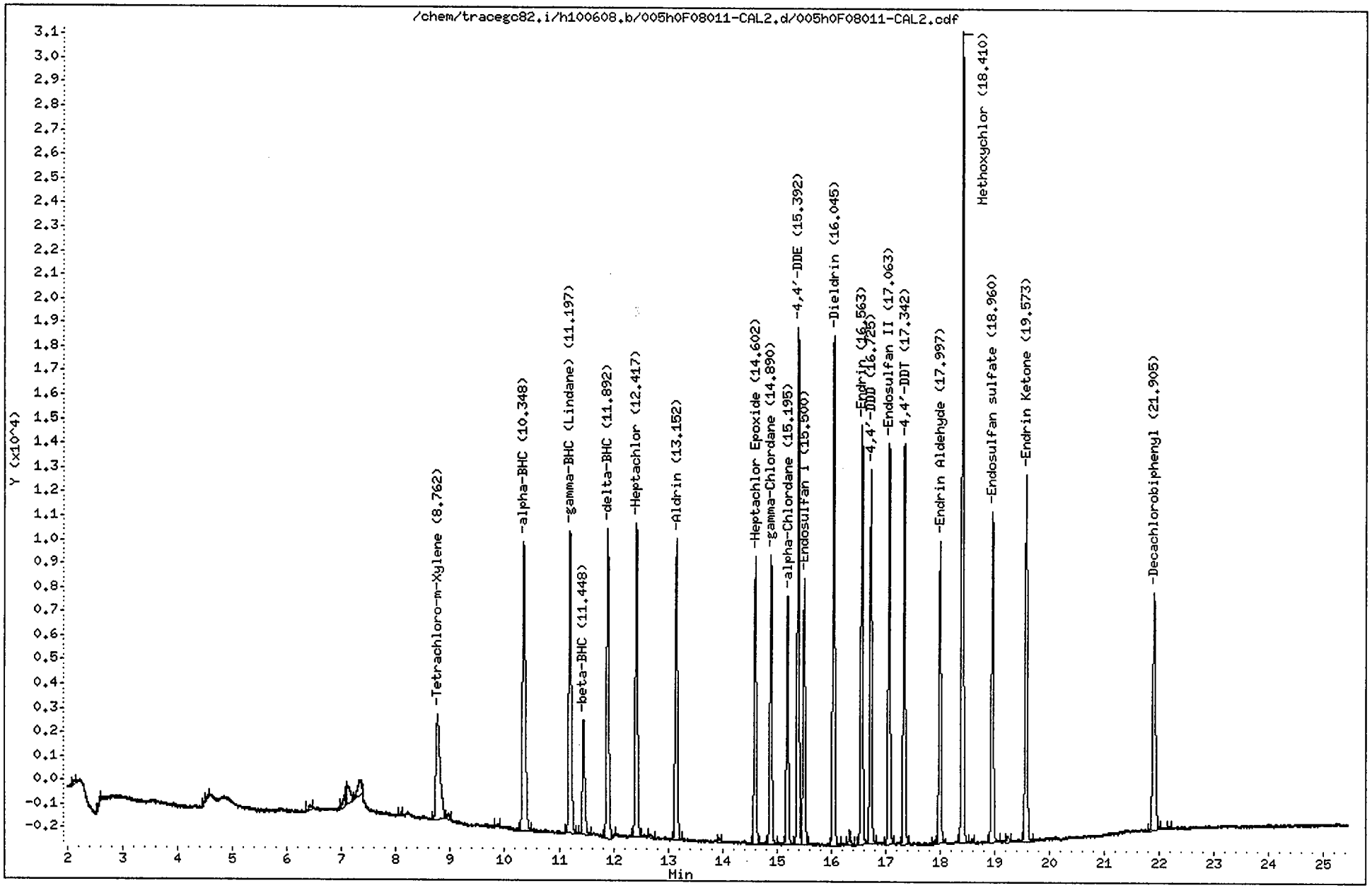
RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
0.03			303					
1.04			1284					
1.16			1492					
1.23			900					
1.48			458574					
2.57			1057					
2.94			406					
4.59			1278					
6.41			1398					
7.13			5320					
7.32			371					
8.77	8.70	8.84	12321	2301868	Tetrachloro-m-Xylene	0.005000	2464000	
8.96			1052					
10.36	10.28	10.42	22087	4405790	alpha-BHC	0.005000	4417200	
11.20	11.13	11.27	20382	4029818	gamma-BHC (Lindane)	0.005000	4076400	
11.46	11.38	11.52	8254	1459142	beta-BHC	0.005000	1650600	
11.89	11.82	11.96	18545	3715660	delta-BHC	0.005000	3708800	
12.42	12.35	12.49	19686	3684488	Heptachlor	0.005000	3937000	
13.16	13.08	13.22	17651	3341085	Aldrin	0.005000	3530000	
14.60	14.53	14.67	16216	3010525	Heptachlor Epoxide	0.005000	3243200	
14.89	14.82	14.96	16040	3005622	gamma-Chlordane	0.005000	3207800	
15.20	15.13	15.27	13466	2539038	alpha-Chlordane	0.005000	2693000	
15.39	15.32	15.46	26695	2606392	4,4'-DDE	0.010000	2669500	
15.50	15.43	15.57	14696	2745735	Endosulfan I	0.005000	2939200	
16.05	15.98	16.12	27625	2641458	Dieldrin	0.010000	2762400	
16.34			771					
16.56	16.50	16.64	23107	2142524	Endrin	0.010000	2310700	
16.73	16.66	16.80	19668	1884902	4,4'-DDD	0.010000	1966700	
17.06	17.00	17.14	22715	2129109	Endosulfan II	0.010000	2271500	
17.34	17.27	17.41	21653	2061735	4,4'-DDT	0.010000	2165200	
18.00	17.93	18.07	16673	1591159	Endrin Aldehyde	0.010000	1667200	
18.41	18.34	18.48	44764	832564	Methoxychlor	0.050000	895280	
18.96	18.89	19.03	19412	1802015	Endosulfan sulfate	0.010000	1941200	
19.25			608					
19.58	19.51	19.65	21870	2060691	Endrin Ketone	0.010000	2186900	
21.91	21.84	21.98	18666	1657019	Decachlorobiphenyl	0.010000	1866600	

AHW
6/9/10

Data File: /chem/tracegc82.i/h100608.b/005h0F08011-CAL2.d
Date : 08-JUN-2010 16:00
Client ID: INDC2HA
Sample Info: 0F08011-CAL2
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0F08011-CAL2 Client Smp Id : INDC2HA
Sample Type : INITIAL CAL: Level 2 Sublist : INDA
Inj Date : 08-JUN-2010 16:00 Inst ID : TRACEGC82
Operator : AHW
Method : /chem/tracegc82.i/h100608.b/8081A_clpestv6.m
Misc. Info : INDC2HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
0.32			615					
0.35			569					
0.41			695					
0.48			947					
0.52			1064					
1.24			613					
1.34			6855					
1.38			5578					
1.41			21577					
2.12			499					
2.58			650					
4.49			288					
4.55			357					
6.41			675					
7.06			1481					
7.09			1265					
7.12			2758					
7.33			3187					
8.06			319					
8.76	8.70	8.84	23001	2301868	Tetrachloro-m-Xylene	0.010000	2300000	
8.97			864					
9.86			281					
10.35	10.28	10.42	43549	4405790	alpha-BHC	0.010000	4354800	
11.20	11.13	11.27	39829	4029818	gamma-BHC (Lindane)	0.010000	3982800	
11.45	11.38	11.52	14750	1459142	beta-BHC	0.010000	1474900	
11.89	11.82	11.96	36422	3715660	delta-BHC	0.010000	3642100	
12.01			289					
12.42	12.35	12.49	37099	3684488	Heptachlor	0.010000	3709800	
12.67			462					
13.15	13.08	13.22	33809	3341085	Aldrin	0.010000	3380800	
13.95			439					
14.60	14.53	14.67	30719	3010525	Heptachlor Epoxide	0.010000	3071800	
14.89	14.82	14.96	31695	3005622	gamma-Chlordane	0.010000	3169500	
15.20	15.13	15.27	26063	2539038	alpha-Chlordane	0.010000	2606300	
15.39	15.32	15.46	52228	2606392	4,4'-DDE	0.020000	2611350	
15.50	15.43	15.57	28246	2745735	Endosulfan I	0.010000	2824600	
16.04	15.98	16.12	53650	2641458	Dieldrin	0.020000	2682450	
16.34			1574					
16.56	16.50	16.64	44609	2142524	Endrin	0.020000	2230450	
16.72	16.66	16.80	37518	1884902	4,4'-DDD	0.020000	1875900	
17.06	17.00	17.14	42346	2129109	Endosulfan II	0.020000	2117250	
17.34	17.27	17.41	40937	2061735	4,4'-DDT	0.020000	2046850	

AHW
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CompuChem

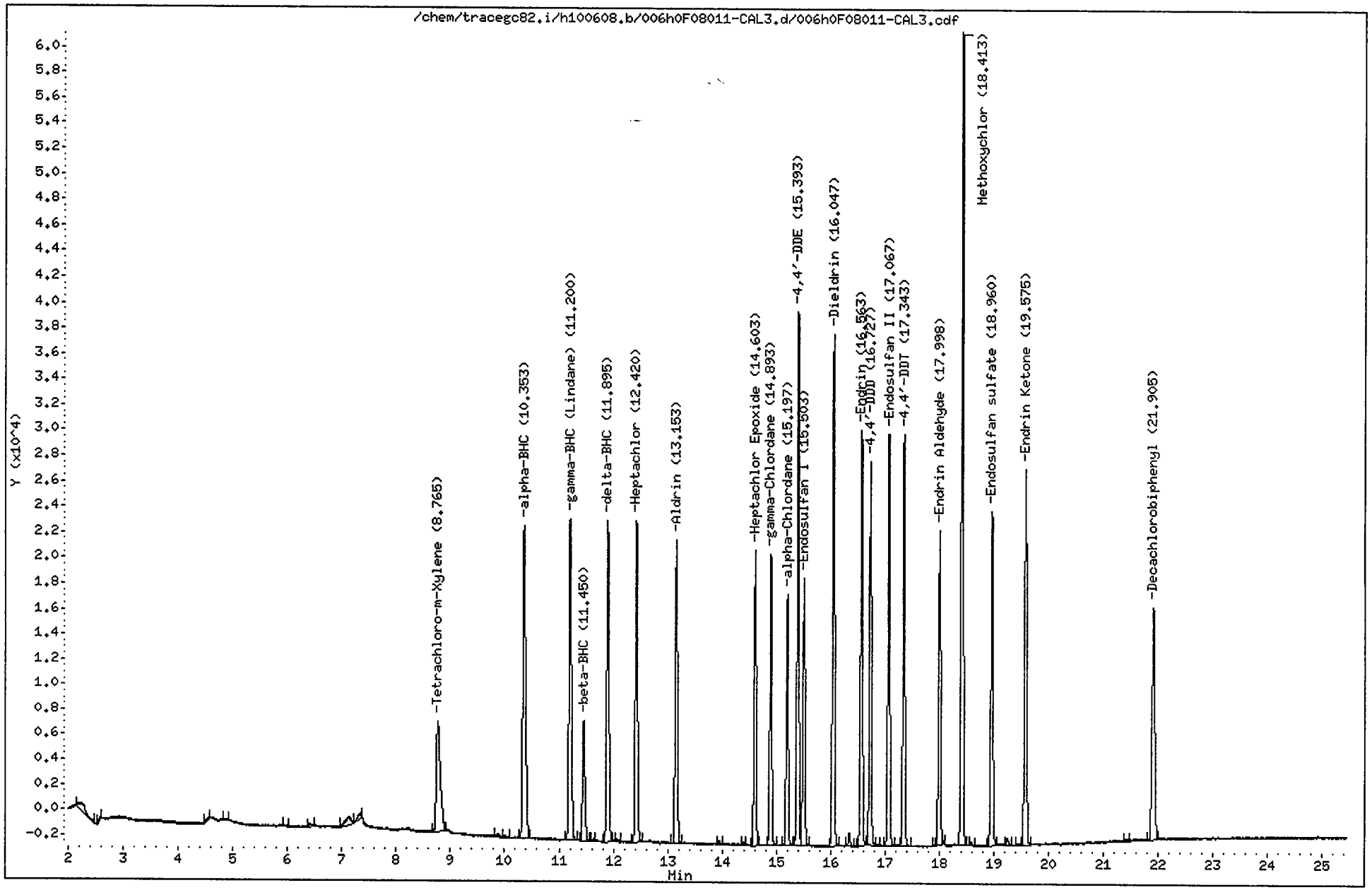
Lab Smp Id : 0F08011-CAL2 Client Smp Id : INDC2HA
Sample Type : INITIAL CAL: Level 2 Sublist : INDA
Inj Date : 08-JUN-2010 16:00 Inst ID :
Operator : AHW
Method : /chem/tracegc82.i/h100608.b/8081A_clpestv6.m
Misc. Info : INDC2HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
17.90		365					
18.00	17.93 18.07	31905	1591159	Endrin Aldehyde	0.020000	1595250	
18.41	18.34 18.48	83551	832564	Methoxychlor	0.100000	835500	
18.59		478					
18.96	18.89 19.03	36751	1802015	Endosulfan sulfate	0.020000	1837550	
19.24		808					
19.57	19.51 19.65	41550	2060691	Endrin Ketone	0.020000	2077450	
21.90	21.84 21.98	34502	1657019	Decachlorobiphenyl	0.020000	1725100	
22.18		283					

Data File: /chem/tracegc82.i/h100608.b/006h0F08011-CAL3.d
Date : 08-JUN-2010 16:29
Client ID: INDC3HA
Sample Info: 0F08011-CAL3
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0F08011-CAL3 Client Smp Id : INDC3HA
Sample Type : INITIAL CAL: Level 3 Sublist : INDA
Inj Date : 08-JUN-2010 16:29 Inst ID : TRACEGC82
Operator : AHW
Method : /chem/tracegc82.i/h100608.b/8081A_clpestv6.m
Misc. Info : INDC3HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
0.25			384					
0.34			401					
0.38			293					
0.43			562					
0.67			364					
1.04			356					
1.21			379					
1.24			717					
1.35			7073					
1.42			46435					
2.20			5188					
2.59			834					
4.58			685					
4.84			337					
5.94			304					
6.40			949					
7.12			4542					
7.32			2148					
8.76	8.70	8.84	45034	2301868	Tetrachloro-m-Xylene	0.020000	2251650	
9.87			1148					
9.99			678					
10.35	10.28	10.42	86264	4405790	alpha-BHC	0.020000	4313150	
11.20	11.13	11.27	78890	4029818	gamma-BHC (Lindane)	0.020000	3944500	
11.45	11.38	11.52	28051	1459142	beta-BHC	0.020000	1402500	
11.64			302					
11.90	11.82	11.96	72531	3715660	delta-BHC	0.020000	3626500	
12.06			552					
12.42	12.35	12.49	71772	3684488	Heptachlor	0.020000	3588550	
13.15	13.08	13.22	65292	3341085	Aldrin	0.020000	3264550	
13.94			826					
14.39			497					
14.60	14.53	14.67	58848	3010525	Heptachlor Epoxide	0.020000	2942350	
14.89	14.82	14.96	58183	3005622	gamma-Chlordane	0.020000	2909100	
15.20	15.13	15.27	49841	2539038	alpha-Chlordane	0.020000	2492050	
15.39	15.32	15.46	100660	2606392	4,4'-DDE	0.040000	2516500	
15.50	15.43	15.57	54717	2745735	Endosulfan I	0.020000	2735850	
16.05	15.98	16.12	102574	2641458	Dieldrin	0.040000	2564350	
16.34			2541					
16.56	16.50	16.64	83493	2142524	Endrin	0.040000	2087325	
16.73	16.66	16.80	73003	1884902	4,4'-DDD	0.040000	1825050	
16.93			319					
17.07	17.00	17.14	83154	2129109	Endosulfan II	0.040000	2078850	

AHW
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CompuChem

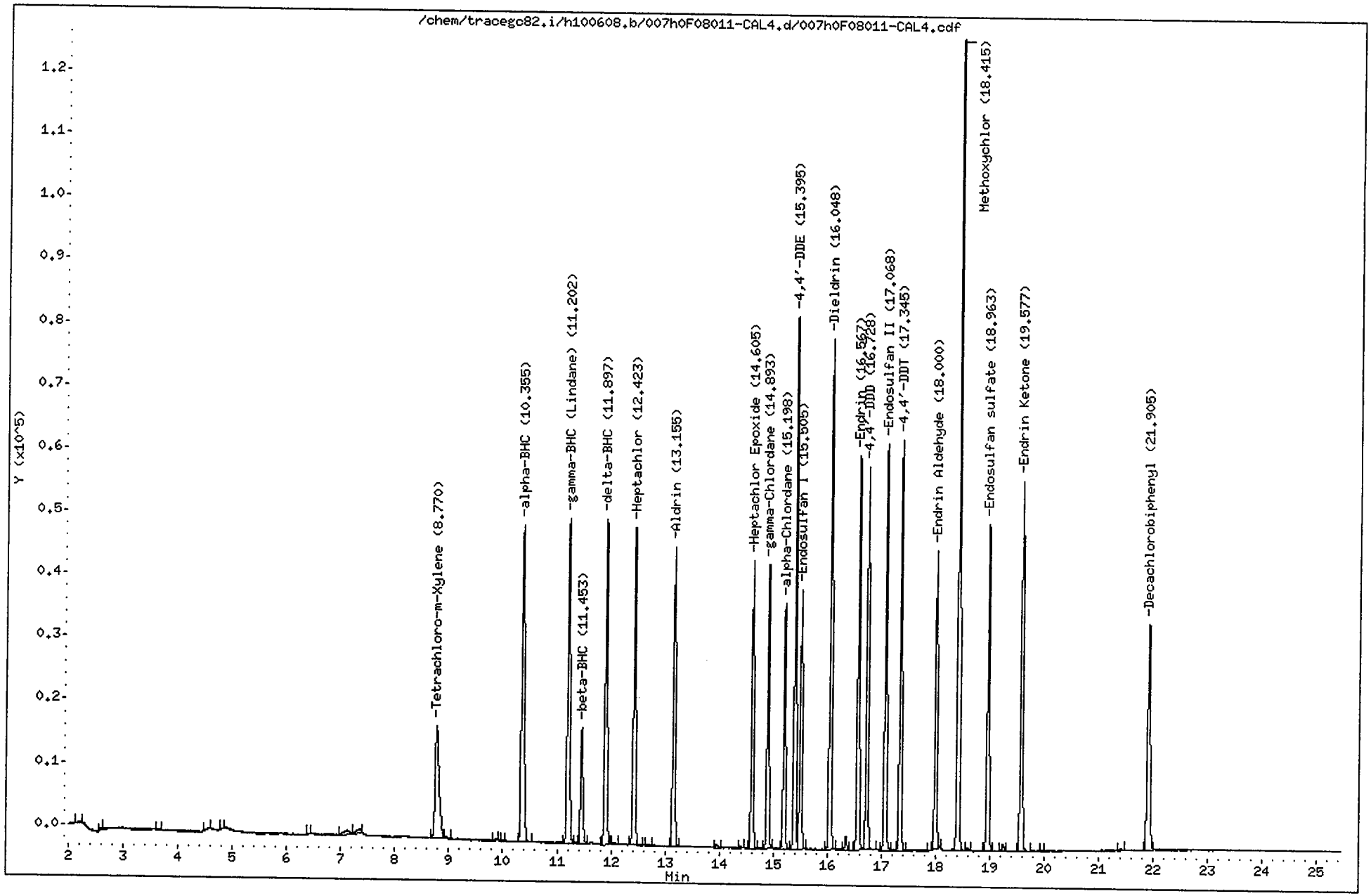
Lab Smp Id : 0F08011-CAL3 Client Smp Id : INDC3HA
Sample Type : INITIAL CAL: Level 3 Sublist : INDA
Inj Date : 08-JUN-2010 16:29 Inst ID :
Operator : AHW
Method : /chem/tracegc82.i/h100608.b/8081A_clpestv6.m
Misc. Info : INDC3HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
17.22			529					
17.34	17.27	17.41	79845	2061735	4,4'-DDT	0.040000	1996100	
17.90			297					
18.00	17.93	18.07	63726	1591159	Endrin Aldehyde	0.040000	1593150	
18.41	18.34	18.48	159817	832564	Methoxychlor	0.200000	799085	
18.59			495					
18.96	18.89	19.03	69866	1802015	Endosulfan sulfate	0.040000	1746650	
19.25			1598					
19.45			381					
19.58	19.51	19.65	79954	2060691	Endrin Ketone	0.040000	1998825	
21.41			603					
21.90	21.84	21.98	64256	1657019	Decachlorobiphenyl	0.040000	1606400	

Data File: /chem/tracegc82.i/h100608.b/007h0F08011-CAL4.d
Date : 08-JUN-2010 16:58
Client ID: INDC4HA
Sample Info: 0F08011-CAL4
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0F08011-CAL4 Client Smp Id : INDC4HA
Sample Type : INITIAL CAL: Level 4 Sublist : INDA
Inj Date : 08-JUN-2010 16:58 Inst ID : TRACEGC82
Operator : AHW
Method : /chem/tracegc82.i/h100608.b/8081A_clpestv6.m
Misc. Info : INDC4HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
0.37			309					
0.93			304					
1.05			603					
1.25			1173					
1.35			7261					
1.42			38843					
2.19			721					
2.59			911					
3.61			310					
4.56			1017					
4.82			428					
6.41			507					
7.13			4330					
7.34			3019					
8.77	8.70	8.84	90713	2301868	Tetrachloro-m-Xylene	0.040000	2267825	
8.95			551					
9.87			980					
9.99			322					
10.36	10.28	10.42	177407	4405790	alpha-BHC	0.040000	4435175	
11.20	11.13	11.27	160537	4029818	gamma-BHC (Lindane)	0.040000	4013425	
11.45	11.38	11.52	55933	1459142	beta-BHC	0.040000	1398325	
11.90	11.82	11.96	149595	3715660	delta-BHC	0.040000	3739850	
12.06			652					
12.42	12.35	12.49	143774	3684488	Heptachlor	0.040000	3594350	
12.68			745					
13.16	13.08	13.22	130063	3341085	Aldrin	0.040000	3251575	
13.95			1725					
14.40			865					
14.60	14.53	14.67	116296	3010525	Heptachlor Epoxide	0.040000	2907400	
14.89	14.82	14.96	114764	3005622	gamma-Chlordane	0.040000	2869100	
15.20	15.13	15.27	98539	2539038	alpha-Chlordane	0.040000	2463450	
15.40	15.32	15.46	204826	2606392	4,4'-DDE	0.080000	2560313	
15.50	15.43	15.57	105208	2745735	Endosulfan I	0.040000	2630200	
16.05	15.98	16.12	205950	2641458	Dieldrin	0.080000	2574375	
16.34			5140					
16.57	16.50	16.64	163430	2142524	Endrin	0.080000	2042875	
16.73	16.66	16.80	148312	1884902	4,4'-DDD	0.080000	1853900	
16.93			472					
17.07	17.00	17.14	165826	2129109	Endosulfan II	0.080000	2072813	
17.24			603					
17.34	17.27	17.41	161199	2061735	4,4'-DDT	0.080000	2014975	
17.90			317					

AHW
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CompuChem

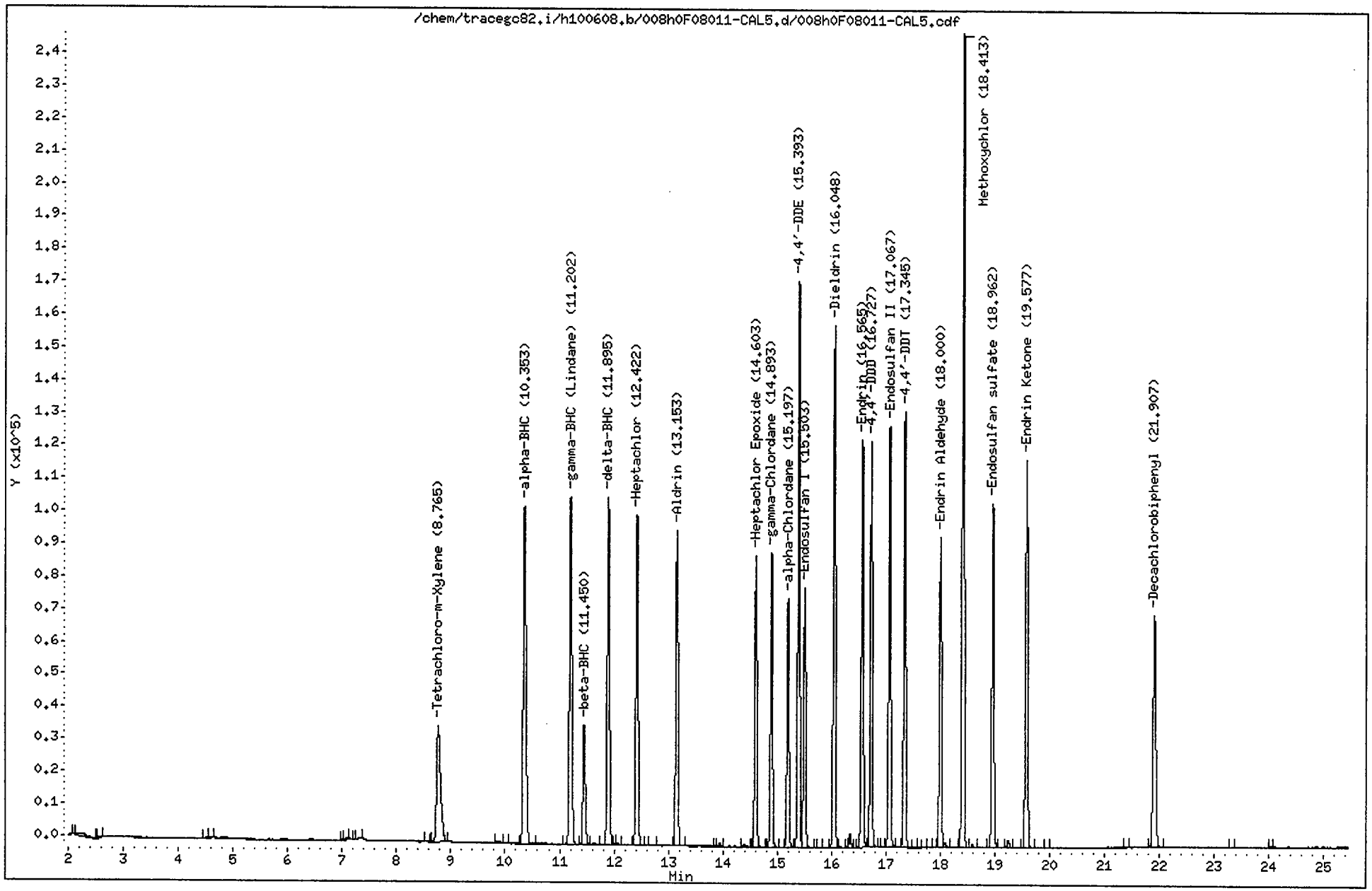
Lab Smp Id : 0F08011-CAL4 Client Smp Id : INDC4HA
Sample Type : INITIAL CAL: Level 4 Sublist : INDA
Inj Date : 08-JUN-2010 16:58 Inst ID :
Operator : AHW
Method : /chem/tracegc82.i/h100608.b/8081A_clpestv6.m
Misc. Info : INDC4HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
18.00	17.93 18.07	123292	1591159	Endrin Aldehyde	0.080000	1541150	
18.42	18.34 18.48	324892	832564	Methoxychlor	0.400000	812230	
18.59		1334					
18.96	18.89 19.03	138342	1802015	Endosulfan sulfate	0.080000	1729263	
19.25		3272					
19.58	19.51 19.65	160171	2060691	Endrin Ketone	0.080000	2002125	
19.95		324					
21.41		1075					
21.90	21.84 21.98	124805	1657019	Decachlorobiphenyl	0.080000	1560063	

Data File: /chem/tracegc82.i/h100608.b/008h0F08011-CAL5.d
Date : 08-JUN-2010 17:27
Client ID: INDC5HA
Sample Info: 0F08011-CAL5
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0F08011-CAL5 Client Smp Id : INDC5HA
Sample Type : INITIAL CAL: Level 5 Sublist : INDA
Inj Date : 08-JUN-2010 17:27 Inst ID : TRACEGC82
Operator : AHW
Method : /chem/tracegc82.i/h100608.b/8081A_clpestv6.m
Misc. Info : INDC5HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
0.75			336					
1.21			694					
1.31			3401					
1.35			3527					
1.44			46723					
2.11			337					
2.17			9143					
2.58			1148					
4.54			1034					
4.58			1039					
7.01			380					
7.10			1562					
7.12			1571					
7.33			1358					
8.53			338					
8.76	8.70	8.84	178069	2301868	Tetrachloro-m-Xylene	0.080000	2225863	
9.87			2709					
9.99			692					
10.35	10.28	10.42	360690	4405790	alpha-BHC	0.080000	4508625	
11.20	11.13	11.27	330557	4029818	gamma-BHC (Lindane)	0.080000	4131963	
11.45	11.38	11.52	109552	1459142	beta-BHC	0.080000	1369387	
11.63			1720					
11.90	11.82	11.96	308884	3715660	delta-BHC	0.080000	3861050	
12.02			774					
12.06			1797					
12.42	12.35	12.49	287420	3684488	Heptachlor	0.080000	3592737	
12.68			947					
13.15	13.08	13.22	262280	3341085	Aldrin	0.080000	3278500	
13.85			329					
13.95			2954					
14.40			1911					
14.60	14.53	14.67	231031	3010525	Heptachlor Epoxide	0.080000	2887875	
14.89	14.82	14.96	229809	3005622	gamma-Chlordane	0.080000	2872613	
15.20	15.13	15.27	195232	2539038	alpha-Chlordane	0.080000	2440387	
15.39	15.32	15.46	427888	2606392	4,4'-DDE	0.160000	2674300	
15.50	15.43	15.57	207907	2745735	Endosulfan I	0.080000	2598825	
15.78			375					
16.05	15.98	16.12	419794	2641458	Dieldrin	0.160000	2623713	
16.29			356					
16.34			9971					
16.56	16.50	16.64	326604	2142524	Endrin	0.160000	2041269	
16.73	16.66	16.80	304474	1884902	4,4'-DDD	0.160000	1902963	

AHW
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CompuChem

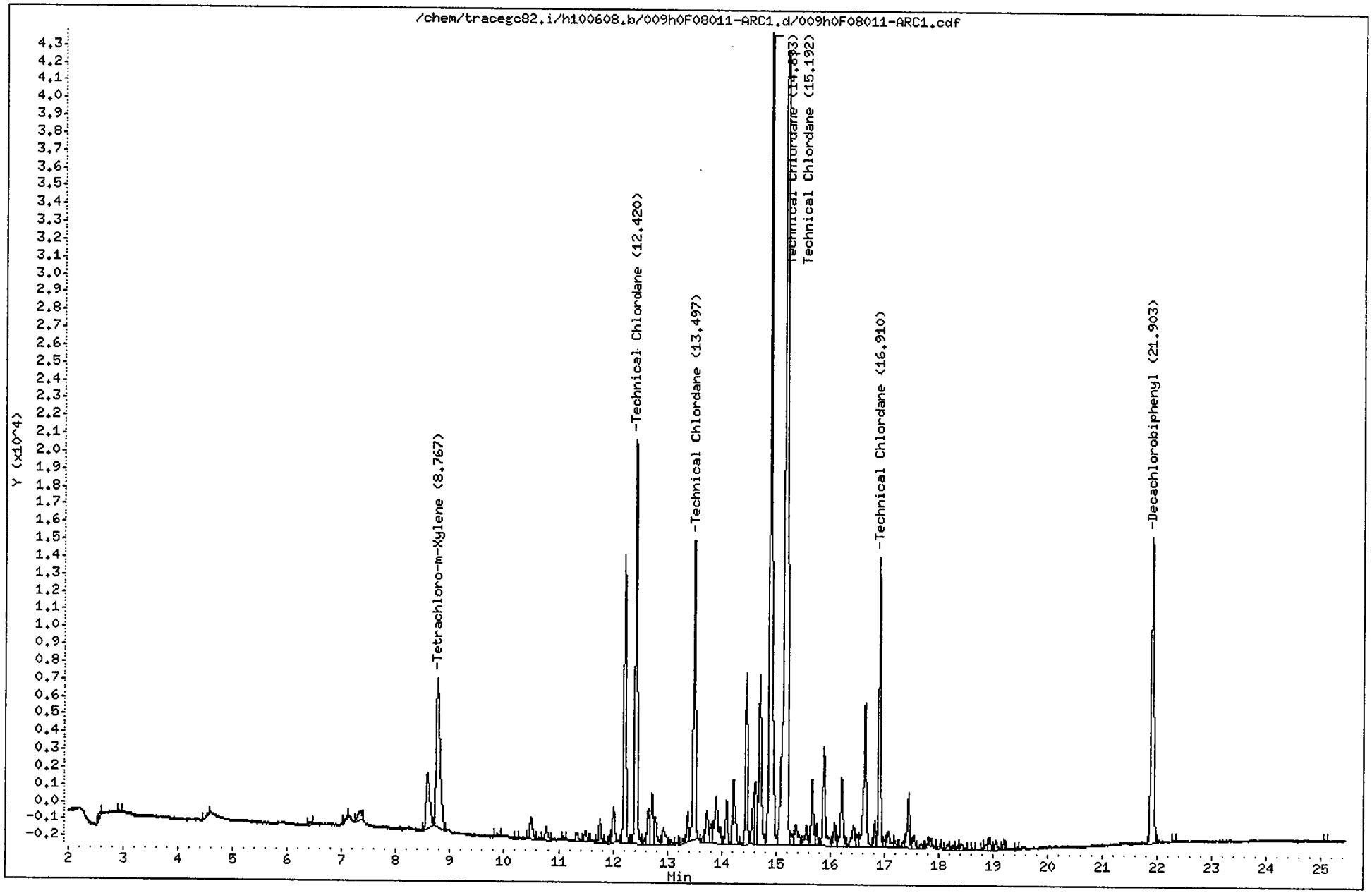
Lab Smp Id : 0F08011-CAL5 Client Smp Id : INDC5HA
Sample Type : INITIAL CAL: Level 5 Sublist : INDA
Inj Date : 08-JUN-2010 17:27 Inst ID :
Operator : AHW
Method : /chem/tracegc82.i/h100608.b/8081A_clpestv6.m
Misc. Info : INDC5HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
16.88		410					
16.92		979					
17.07	17.00 17.14	336821	2129109	Endosulfan II	0.160000	2105131	
17.22		1256					
17.34	17.27 17.41	333688	2061735	4,4'-DDT	0.160000	2085550	
17.61		385					
17.80		360					
17.89		389					
18.00	17.93 18.07	249447	1591159	Endrin Aldehyde	0.160000	1559044	
18.08		3750					
18.41	18.34 18.48	656582	832564	Methoxychlor	0.800000	820726	
18.59		2392					
18.96	18.89 19.03	280866	1802015	Endosulfan sulfate	0.160000	1755413	
19.24		6424					
19.58	19.51 19.65	326105	2060691	Endrin Ketone	0.160000	2038156	
19.95		754					
21.39		714					
21.91	21.84 21.98	244309	1657019	Decachlorobiphenyl	0.160000	1526925	
23.30		300					
24.00		338					

Data File: /chem/tracegc82.i/h100608.b/009h0F08011-ARC1.d
Date : 08-JUN-2010 17:57
Client ID: CHLORO3HA
Sample Info: 0F08011-ARC1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0F08011-ARC1 Client Smp Id : CHLORO3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TechChlor
Inj Date : 08-JUN-2010 17:57 Inst ID : TRACEGC82
Operator : AHW
Method : /chem/tracegc82.i/h100608.b/8081A_clpestv6.m
Misc. Info : CHLORO3HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
0.45			336					
1.05			314					
1.23			653					
1.35			6598					
1.42			19911					
2.57			921					
2.93			305					
4.55			527					
6.41			624					
7.10			360					
7.33			2643					
8.58			15042					
8.77	8.70	8.84	41232	2301868	Tetrachloro-m-Xylene	0.020000	2251650	
9.87			716					
10.22			301					
10.49			4737					
10.64			326					
10.78			2793					
11.10			605					
11.35			1528					
11.49			2075					
11.63			371					
11.76			3978					
11.96			1079					
12.01			6045					
12.22			47077					
12.42	12.35	12.49	65627	164068	TechnicalChlordane Peak 1	0.400000	164067	
12.59			732					
12.65			5715					
12.72			9353					
12.78			5513					
12.93			4235					
13.07			738					
13.18			288					
13.30			784					
13.37			4061					
13.50	13.43	13.57	48492	121228	TechnicalChlordane Peak 2	0.400000	121227	
13.67			824					
13.73			5856					
13.81			3376					
13.90			12950					
14.09			7425					

AHW
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CompuChem

Lab Smp Id : 0F08011-ARC1 Client Smp Id : CHLORO3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TechChlor
Inj Date : 08-JUN-2010 17:57 Inst ID :
Operator : AHW
Method : /chem/tracegc82.i/h100608.b/8081A_clpestv6.m
Misc. Info : CHLORO3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
14.22		12783					
14.36		472					
14.46		24475					
14.59		7331					
14.63		12091					
14.71		30757					
14.89	14.82 14.96	139703	349255	TechnicalChlordane Peak 3	0.400000	349255	
15.19	15.12 15.26	213162	532902	TechnicalChlordane Peak 4	0.400000	532903	
15.29		2082					
15.37		5817					
15.56		3684					
15.67		11037					
15.75		3328					
15.88		18669					
16.09		3904					
16.21		13372					
16.43		4869					
16.52		2091					
16.64		28380					
16.82		3824					
16.91	16.84 16.98	42630	106572	TechnicalChlordane Peak 5	0.400000	106573	
17.01		1278					
17.07		3642					
17.19		1160					
17.37		1374					
17.45		9305					
17.54		2261					
17.68		1047					
17.80		335					
17.86		1338					
18.00		606					
18.17		1053					
18.26		899					
18.36		841					
18.41		1353					
18.63		317					
18.82		406					
18.88		1088					
18.94		2176					
19.06		1825					
19.21		1606					
19.44		487					

CompuChem

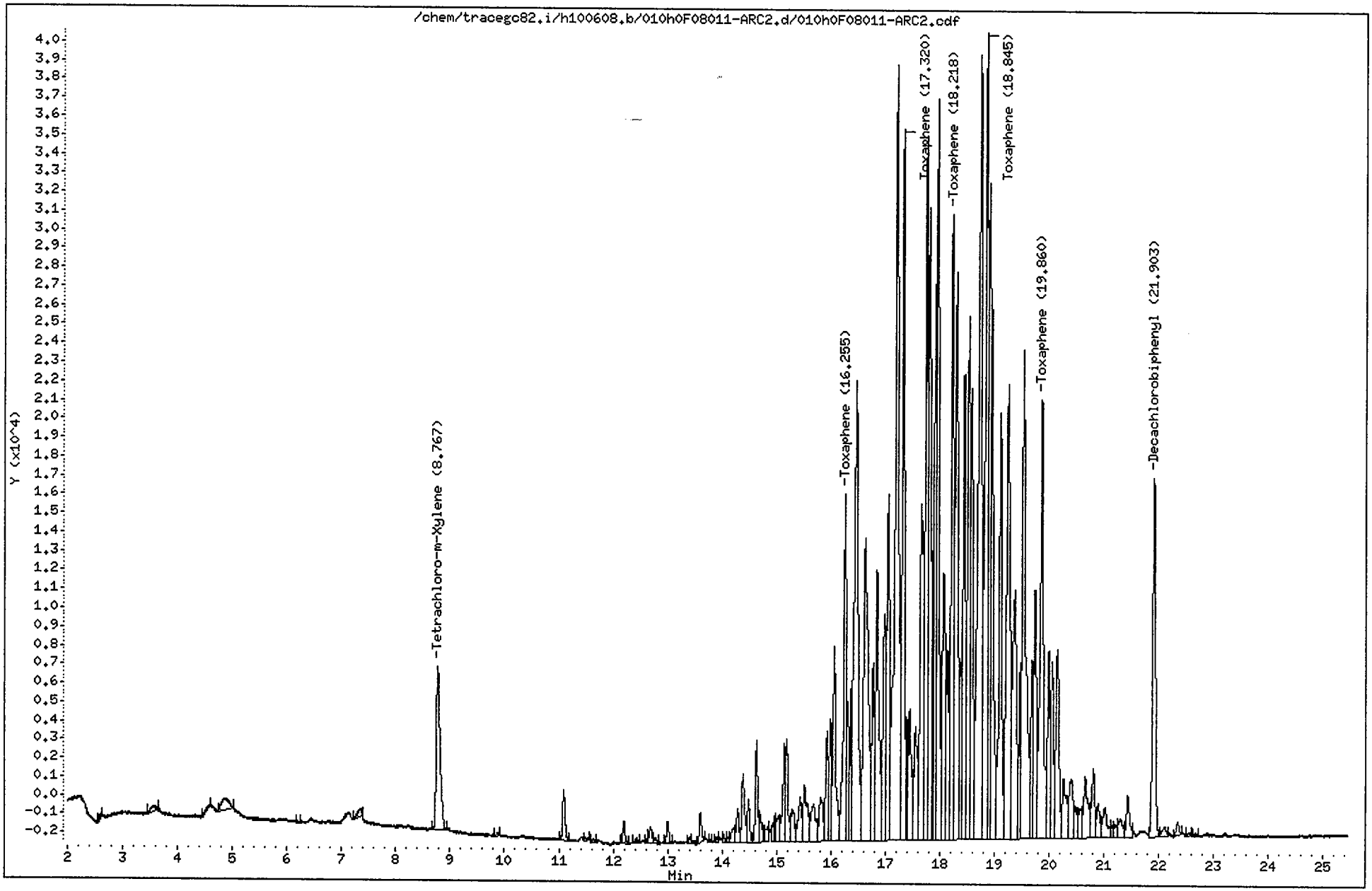
Lab Smp Id : 0F08011-ARC1 Client Smp Id : CHLORO3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TechChlor
Inj Date : 08-JUN-2010 17:57 Inst ID :
Operator : AHW
Method : /chem/tracegc82.i/h100608.b/8081A_clpestv6.m
Misc. Info : CHLORO3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
21.90	21.84 21.98	60957	1657019	Decachlorobiphenyl	0.040000	1606400	
22.30		328					
25.08		281					

Data File: /chem/tracegc82.i/h100608.b/010h0F08011-ARC2.d
Date : 08-JUN-2010 18:26
Client ID: TOXAPH3HA
Sample Info: 0F08011-ARC2
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0F08011-ARC2 Client Smp Id : TOXAPH3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 08-JUN-2010 18:26 Inst ID : TRACEGC82
Operator : AHW
Method : /chem/tracegc82.i/h100608.b/8081A_clpestv6.m
Misc. Info : TOXAPH3HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
0.06			421					
0.44			367					
1.35			4177					
1.42			33034					
2.59			612					
3.55			1656					
4.56			1239					
4.85			5961					
6.18			313					
7.33			2210					
8.77	8.70	8.84	42815	2301868	Tetrachloro-m-Xylene	0.020000	2251650	
9.86			617					
11.09			8709					
11.48			510					
11.64			383					
12.19			3669					
12.42			871					
12.64			533					
12.69			2918					
12.77			1035					
13.00			3617					
13.40			1006					
13.49			682					
13.60			4688					
13.79			316					
13.89			873					
14.03			925					
14.10			692					
14.21			3629					
14.29			5638					
14.38			13400					
14.48			7113					
14.63			15559					
14.70			5963					
14.81			3648					
14.95			3097					
14.98			2011					
15.03			5154					
15.14			16484					
15.18			17289					
15.28			8546					
15.44			10707					

AHW
6/9/10

CompuChem

Lab Smp Id : 0F08011-ARC2 Client Smp Id : TOXAPH3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 08-JUN-2010 18:26 Inst ID :
Operator : AHW
Method : /chem/tracegc82.i/h100608.b/8081A_clpestv6.m
Misc. Info : TOXAPH3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.51		16290					
15.68		12898					
15.81		11164					
15.93		19057					
15.99		18988					
16.06		37413					
16.26	16.19 16.33	62144	31072	Toxaphene Peak 1	2.000000	31072	M2
16.30		18911					
16.37		19740					
16.46		123325					
16.62		99371					
16.77		29563					
16.84		58259					
16.98		44035					
17.05		67055					
17.20		197304					
17.32	17.25 17.39	111921	55960	Toxaphene Peak 2	2.000000	55960	
17.39		16862					
17.45		28803					
17.55		26393					
17.66		81305					
17.75		111475					
17.80		104565					
17.86		24219					
17.91		79251					
17.95		125048					
18.06		59199					
18.14		30954					
18.22	18.15 18.29	106619	53309	Toxaphene Peak 3	2.000000	53309	
18.30		115848					
18.38		23295					
18.44		79361					
18.52		94588					
18.57		76575					
18.73		197319					
18.84	18.77 18.91	155122	77561	Toxaphene Peak 4	2.000000	77561	
18.90		96232					
18.94		93015					
19.11		79470					
19.25		114180					
19.37		68408					
19.47		25553					

AHW 6/9/10

AHW 6/9/10

pw 6/9/10

CompuChem

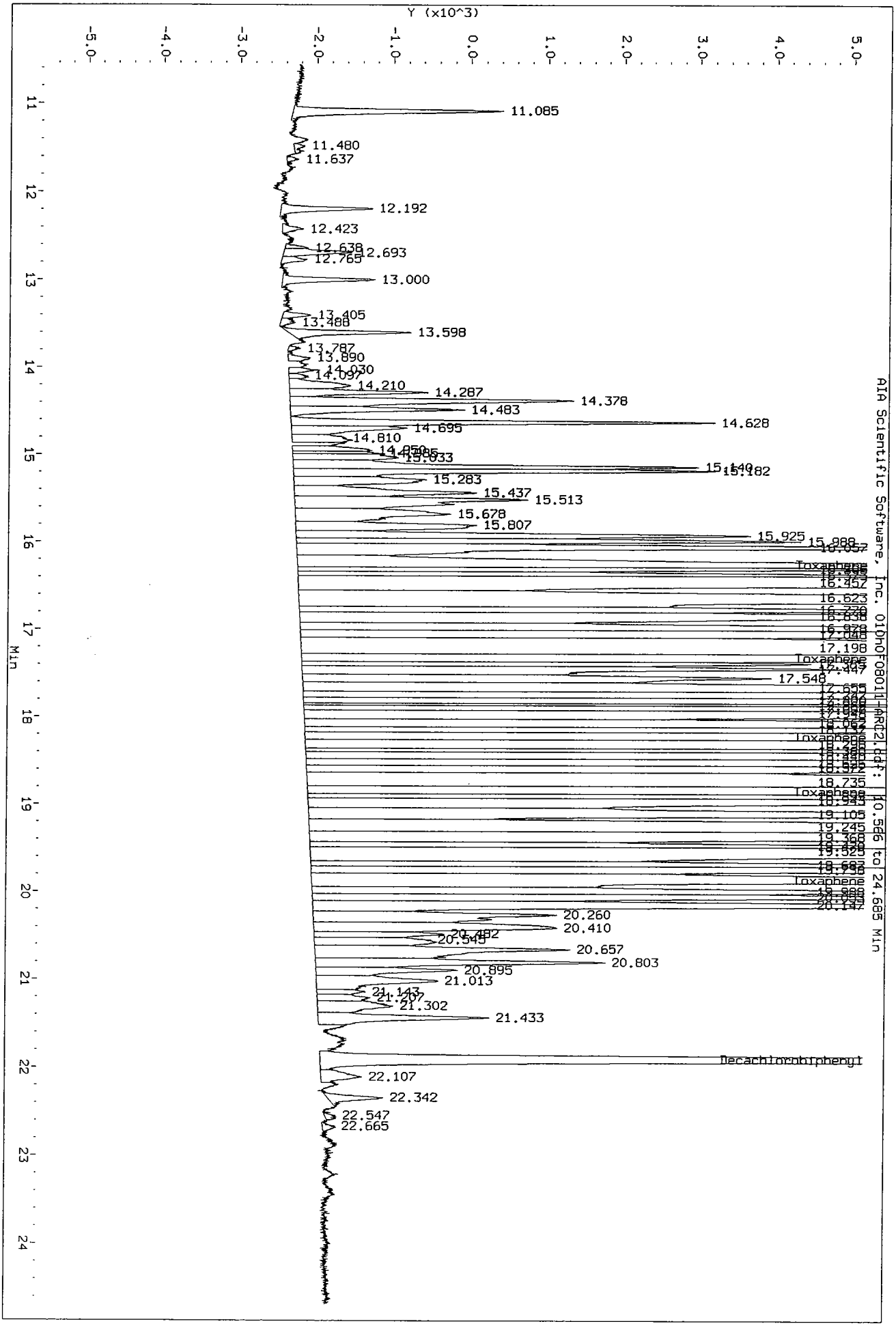
Lab Smp Id : 0F08011-ARC2 Client Smp Id : TOXAPH3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 08-JUN-2010 18:26 Inst ID :
Operator : AHW
Method : /chem/tracegc82.i/h100608.b/8081A_clpestv6.m
Misc. Info : TOXAPH3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
19.52		114827					
19.69		28506					
19.74		47100					
19.86	19.79 19.93	95617	47809	Toxaphene Peak 5	2.000000	47809	M2
19.99		33927					
20.05		31982					
20.15		41895					
20.26		17055					
20.41		16718					
20.48		5656					
20.55		7843					
20.66		18392					
20.80		14533					
20.89		7286					
21.01		9247					
21.14		1881					
21.21		2566					
21.30		5873					
21.43		9129					
21.90	21.84 21.98	68889	1657019	Decachlorobiphenyl	0.040000	1606400	
22.11		2713					
22.34		2489					
22.55		458					
22.66		567					

AHW 6/9/10

AHW 6/9/10

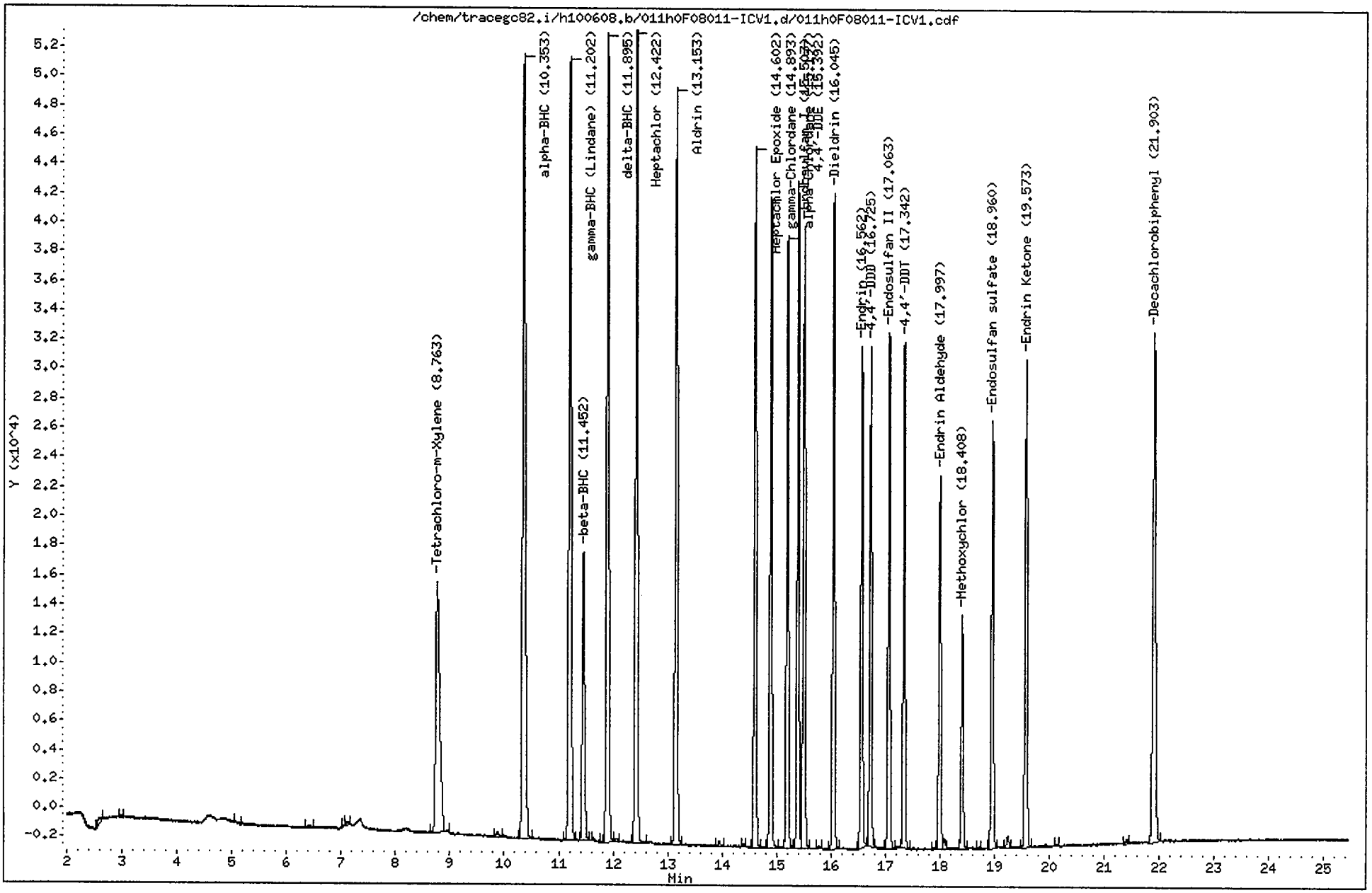
RW 6/9/10


Data File: /chem/tracegc82.i/h100608.b/010h0F08011-ARC2.d/010h0F08011-ARC2.cdf
Injection Date: 08-JUN-2010 18:26
Instrument: tracegc82.i
Client Sample ID: TOXAPH3HA
Y (x10^3)
-5.0
-4.0
-3.0
-2.0
-1.0
0.0
1.0
2.0
3.0
4.0
5.0
Min
11
12
13
14
15
16
17
18
19
20
21
22
23
24
11.085
11.480
11.637
12.192
12.423
12.638
12.693
12.765
13.000
13.405
13.488
13.598
13.787
13.890
14.030
14.097
14.210
14.287
14.378
14.483
14.628
14.695
14.810
15.633
15.140
15.182
15.283
15.437
15.513
15.678
15.807
15.925
15.988
Toxaphene
16.452
16.623
16.978
17.198
Toxaphene
17.548
Toxaphene
18.735
Toxaphene
19.105
19.245
Toxaphene
20.260
20.410
20.482
20.545
20.657
20.803
20.895
21.013
21.143
21.207
21.302
21.433
Decachlorobiphenyl
22.107
22.342
22.547
22.665
AIA Scientific Software, Inc. 010h0F08011-ARC2.sdf:
10.566 to 24.685 Min

Data File: /chem/tracegc82.i/h100608.b/011h0F08011-ICV1.d
Date : 08-JUN-2010 18:55
Client ID: PESTCHKHA
Sample Info: 0F08011-ICV1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0F08011-ICV1 Client Smp Id : PESTCHKHA
Sample Type : QCCHECK Sublist : INDA
Inj Date : 08-JUN-2010 18:55 Inst ID : TRACEGC82
Operator : AHW Spike Sublist : INDAchek
Method : /chem/tracegc82.i/h100608.b/8081A_clpestv6.m
Misc. Info : PESTCHKHA

RT	AREA
0.62	313
0.89	324
1.05	289
1.16	740
1.24	1885
1.31	3743
1.34	4563
1.42	22363
2.58	1823
2.99	285
5.05	563
6.42	807
7.07	280
7.12	844
8.76	88925
9.86	1522
10.35	188411
11.20	166592
11.45	59427
11.63	833
11.89	161506
12.06	783
12.42	158006
13.15	141178
13.95	1170
14.40	490
14.60	122173
14.89	113167
15.20	106332
15.39	110230
15.50	107811
15.78	549
16.05	112710
16.56	87323
16.73	81633
17.06	90157
17.34	83493
17.89	295
18.00	66769
18.09	1859
18.41	40058
18.72	330
18.96	77438
19.24	2098
19.57	90462

AHW
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CompuChem

Lab Smp Id : 0F08011-ICV1 Client Smp Id : PESTCHKHA
Sample Type : QCCHECK Sublist : INDA
Inj Date : 08-JUN-2010 18:55 Inst ID :
Operator : AHW Spike Sublist : INDAchek
Method : /chem/tracegc82.i/h100608.b/8081A_clpestv6.m
Misc. Info : PESTCHKHA

RT	AREA
20.14	297
21.40	653
21.90	121123

Data File: /chem/tracegc82.i/h100608_2C.b/003h0F08011-PEM1.d

Date : 08-JUN-2010 15:02

Client ID: PEMHA

Sample Info: 0F08011-PEM1

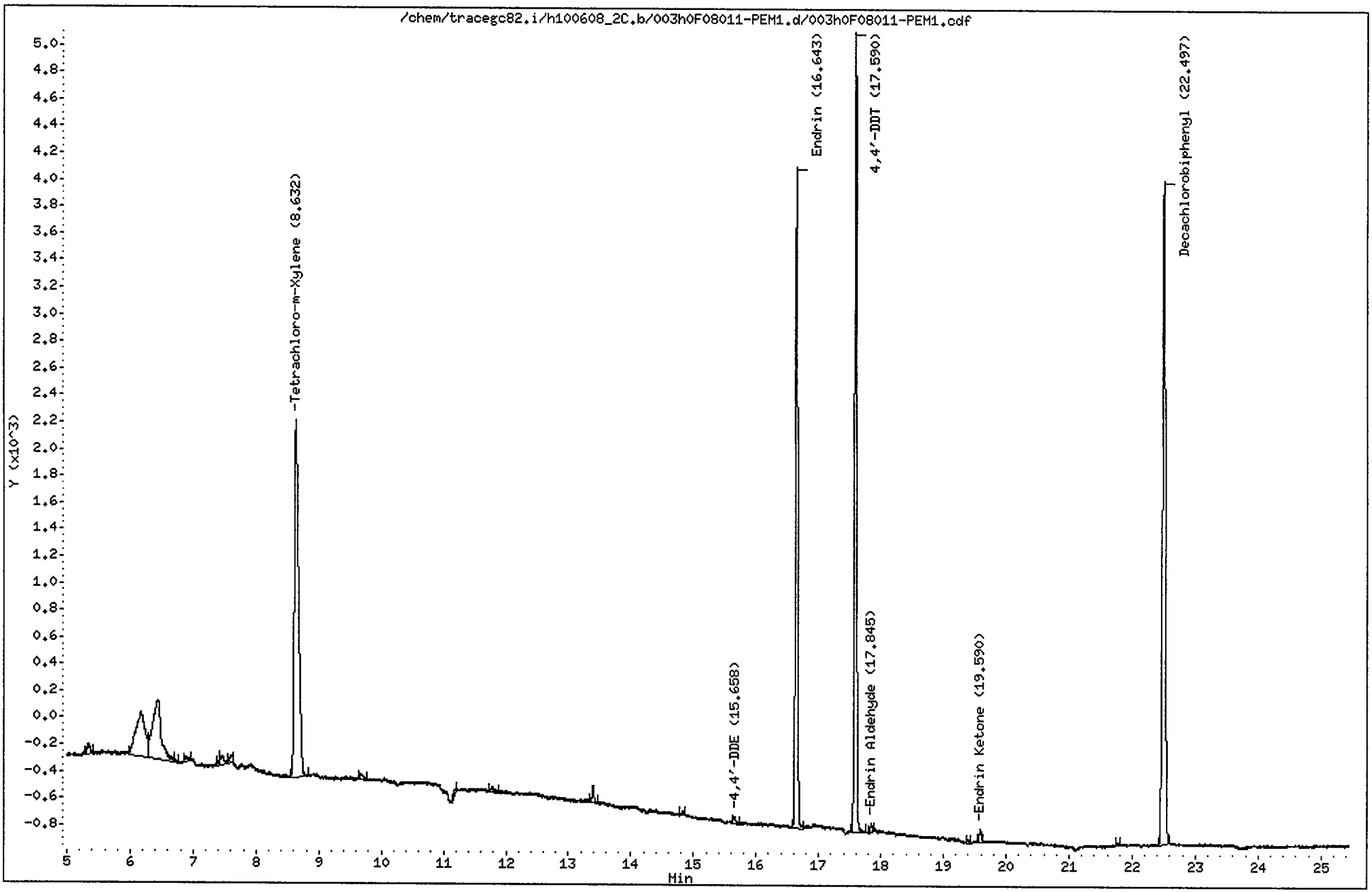
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc82.i

Operator: System

Column diameter: 0.32



CompuChem

Lab Smp Id : 0F08011-PEM1 Client Smp Id : PEMHA
Sample Type : SAMPLE Sublist : PEM
Inj Date : 08-JUN-2010 15:02 Inst ID : TRACEGC82
Operator : System
Method : /chem/tracegc82.i/h100608_2C.b/8081A_clpest2v6.m
Misc. Info : PEMHA

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
0.06			133								
0.09			160								
1.29			266								
1.34			732								
1.47			66550								
2.53			685								
2.86			51								
3.31			54								
5.34			257								
6.17			3480								
6.44			4386								
6.70			71								
6.89			102								
7.42			94								
7.46			246								
7.60			152								
8.63	8.56	8.70	12386	632710	Tetrachloro-m-Xylene	0.019577	0.019577		98.9	43 - 135	
9.68			148								
11.18			139								
11.78			140								
13.39			304								
14.82			74								
15.66	15.58	15.72	145	628898	4,4'-DDE	0.000231	0.000231	0.020000			J
16.64	16.57	16.71	11810	524294	Endrin	0.022526	0.022526	0.020000			
17.59	17.52	17.66	13610	475411	4,4'-DDT	0.028627	0.028627	0.020000			
17.84	17.77	17.91	144	404378	Endrin Aldehyde	0.000356	0.000356	0.020000			J
19.40			58								
19.59	19.52	19.66	252	485871	Endrin Ketone	0.000519	0.000519	0.020000			J
21.78			51								
22.50	22.43	22.57	15714	423349	Decachlorobiphenyl	0.037118	0.037118		93.7	43 - 144	

AHW
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Data File: /chem/tracegc82.i/h100608_2C.b/004h0F08011-CAL1.d

Date : 08-JUN-2010 15:31

Client ID: INDC1HA

Sample Info: 0F08011-CAL1

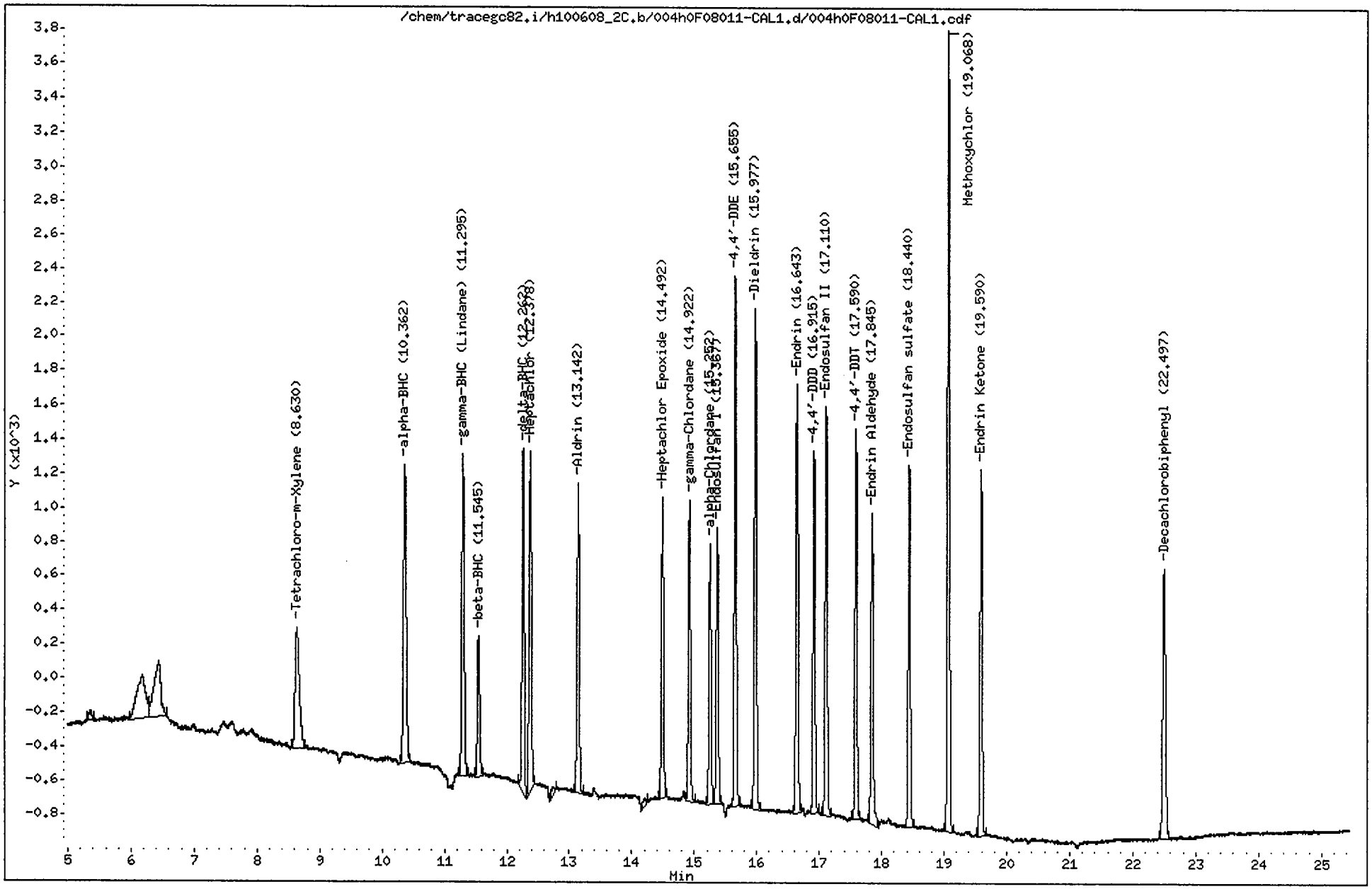
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc82.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0F08011-CAL1 Client Smp Id : INDC1HA
Sample Type : INITIAL CAL: Level 1 Sublist : INDA
Inj Date : 08-JUN-2010 15:31 Inst ID : TRACEGC82
Operator : AHW
Method : /chem/tracegc82.i/h100608_2C.b/8081A_clpest2v6.m
Misc. Info : INDC1HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.33			1501					
1.49			289904					
2.52			350					
5.36			187					
6.17			2490					
6.44			2490					
8.63	8.56	8.70	3348	632710	Tetrachloro-m-Xylene	0.005000	669600	
10.36	10.29	10.43	5409	1047682	alpha-BHC	0.005000	1081600	
11.30	11.22	11.36	5076	979802	gamma-BHC (Lindane)	0.005000	1015200	
11.54	11.47	11.61	2097	386895	beta-BHC	0.005000	419400	
12.26	12.19	12.33	4798	905560	delta-BHC	0.005000	959400	
12.38	12.30	12.44	5158	869920	Heptachlor	0.005500	937636	
12.73			218					
13.14	13.07	13.21	4396	800938	Aldrin	0.005000	879000	
14.20			184					
14.49	14.42	14.56	4044	732520	Heptachlor Epoxide	0.005000	808800	
14.92	14.85	14.99	4076	732785	gamma-Chlordane	0.005000	815000	
15.25	15.18	15.32	3476	625690	alpha-Chlordane	0.005000	695200	
15.37	15.30	15.44	3736	671435	Endosulfan I	0.005000	747000	
15.66	15.58	15.72	6870	628898	4,4'-DDE	0.010000	687000	
15.98	15.91	16.05	6895	620834	Dieldrin	0.010000	689500	
16.64	16.57	16.71	5975	524294	Endrin	0.010000	597400	
16.92	16.84	16.98	4713	439472	4,4'-DDD	0.010000	471200	
17.11	17.04	17.18	5713	513939	Endosulfan II	0.010000	571300	
17.59	17.52	17.66	5075	475411	4,4'-DDT	0.010000	507500	
17.84	17.77	17.91	4583	404378	Endrin Aldehyde	0.010000	458300	
18.44	18.37	18.51	5003	448710	Endosulfan sulfate	0.010000	500200	
19.07	19.00	19.14	10672	188748	Methoxychlor	0.050000	213440	
19.59	19.52	19.66	5267	485871	Endrin Ketone	0.010000	526700	
22.50	22.43	22.57	4880	423349	Decachlorobiphenyl	0.010000	488000	

AHW
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Data File: /chem/tracegc82.i/h100608_2C.b/005h0F08011-CAL2.d

Date : 08-JUN-2010 16:00

Client ID: INDC2HA

Sample Info: 0F08011-CAL2

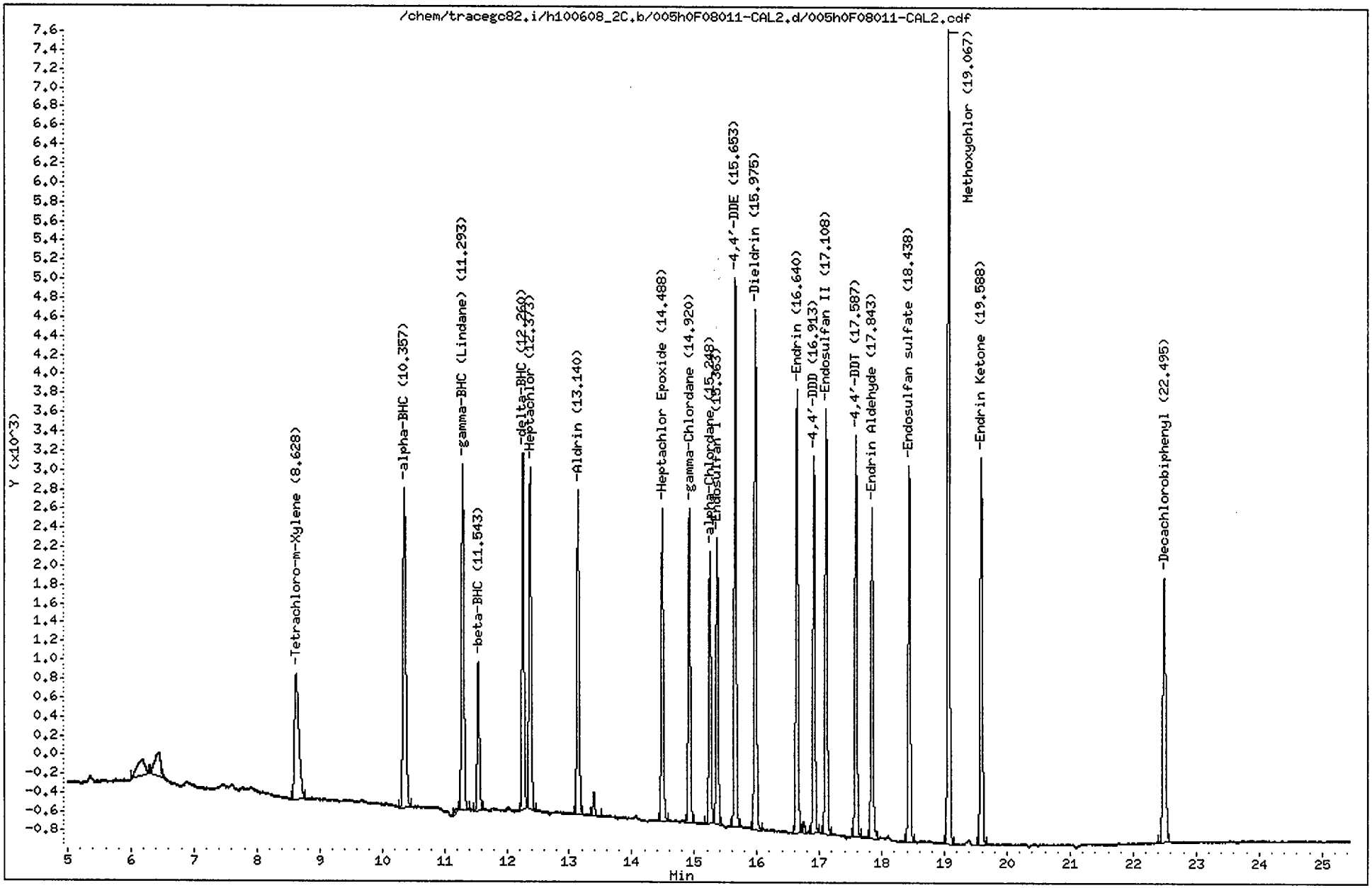
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc82.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0F08011-CAL2 Client Smp Id : INDC2HA
Sample Type : INITIAL CAL: Level 2 Sublist : INDA
Inj Date : 08-JUN-2010 16:00 Inst ID : TRACEGC82
Operator : AHW
Method : /chem/tracegc82.i/h100608_2C.b/8081A_clpest2v6.m
Misc. Info : INDC2HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.33			1519					
1.45			26443					
2.54			362					
6.18			1421					
6.45			1622					
8.63	8.56	8.70	6397	632710	Tetrachloro-m-Xylene	0.010000	639700	
10.36	10.29	10.43	10481	1047682	alpha-BHC	0.010000	1048100	
11.20			145					
11.29	11.22	11.36	9784	979802	gamma-BHC (Lindane)	0.010000	978400	
11.54	11.47	11.61	3969	386895	beta-BHC	0.010000	396800	
12.26	12.19	12.33	8875	905560	delta-BHC	0.010000	887400	
12.37	12.30	12.44	9005	869920	Heptachlor	0.010000	900500	
13.14	13.07	13.21	8277	800938	Aldrin	0.010000	827600	
13.39			577					
14.49	14.42	14.56	7677	732520	Heptachlor Epoxide	0.010000	767700	
14.92	14.85	14.99	7649	732785	gamma-Chlordane	0.010000	764800	
15.25	15.18	15.32	6523	625690	alpha-Chlordane	0.010000	652200	
15.36	15.30	15.44	7004	671435	Endosulfan I	0.010000	700300	
15.65	15.58	15.72	12918	628898	4,4'-DDE	0.020000	645900	
15.98	15.91	16.05	12895	620834	Dieldrin	0.020000	644700	
16.64	16.57	16.71	11149	524294	Endrin	0.020000	557400	
16.75			254					
16.91	16.84	16.98	8930	439472	4,4'-DDD	0.020000	446450	
17.11	17.04	17.18	10595	513939	Endosulfan II	0.020000	529700	
17.59	17.52	17.66	9712	475411	4,4'-DDT	0.020000	485550	
17.84	17.77	17.91	8388	404378	Endrin Aldehyde	0.020000	419350	
18.44	18.37	18.51	9374	448710	Endosulfan sulfate	0.020000	468700	
19.07	19.00	19.14	19749	188748	Methoxychlor	0.100000	197490	
19.59	19.52	19.66	9980	485871	Endrin Ketone	0.020000	499000	
22.50	22.43	22.57	8964	423349	Decachlorobiphenyl	0.020000	448200	

AHW
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Data File: /chem/tracegc82.i/h100608_2C.b/006h0F08011-CAL3.d

Date : 08-JUN-2010 16:29

Client ID: INDC3HA

Sample Info: 0F08011-CAL3

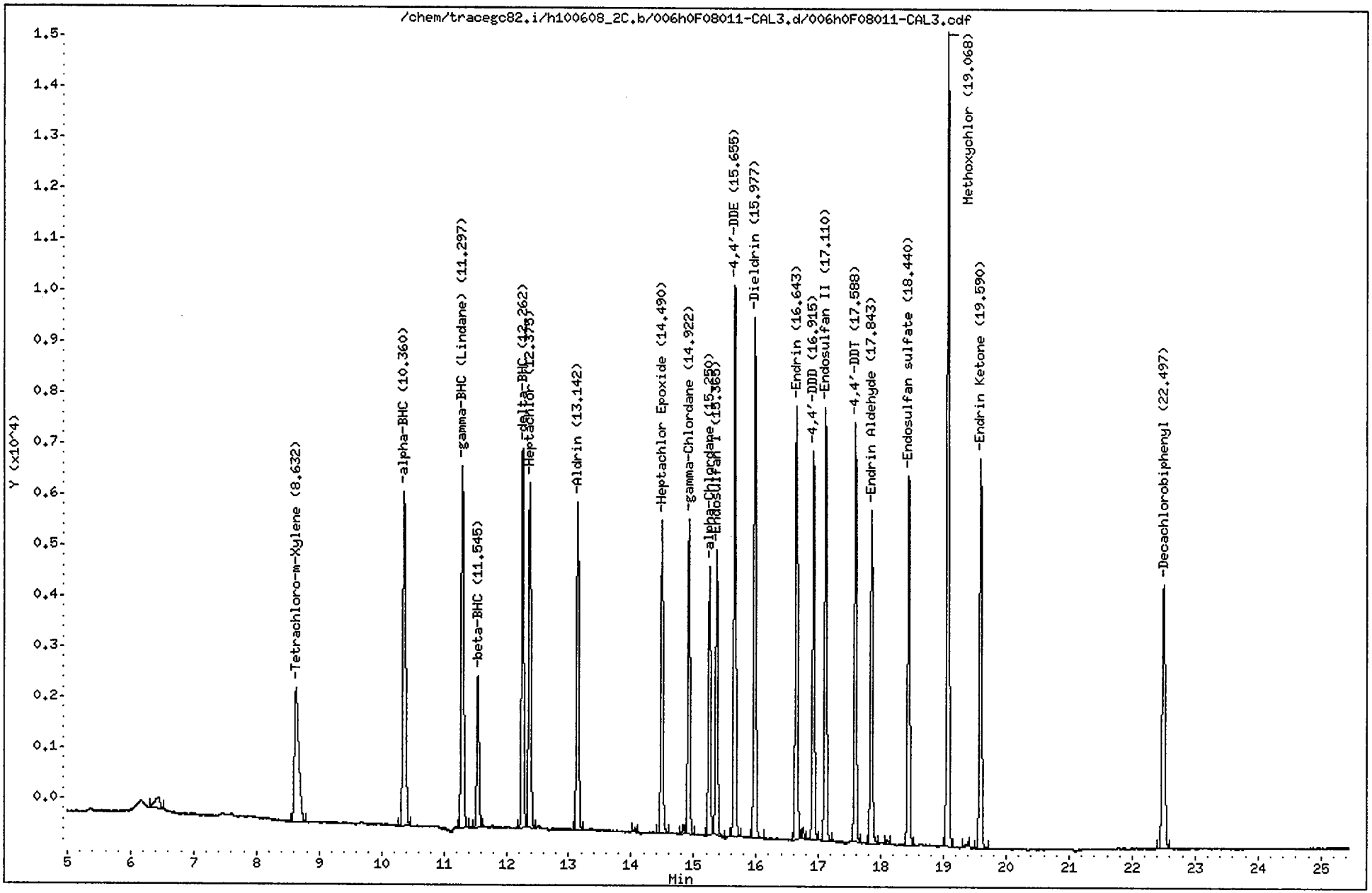
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc82.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0F08011-CAL3 Client Smp Id : INDC3HA
Sample Type : INITIAL CAL: Level 3 Sublist : INDA
Inj Date : 08-JUN-2010 16:29 Inst ID : TRACEGC82
Operator : AHW
Method : /chem/tracegc82.i/h100608_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.34			943					
1.48			5291					
2.53			501					
6.45			1287					
8.63	8.56	8.70	12604	632710	Tetrachloro-m-Xylene	0.020000	630200	
10.36	10.29	10.43	20456	1047682	alpha-BHC	0.020000	1022750	
11.30	11.22	11.36	19158	979802	gamma-BHC (Lindane)	0.020000	957900	
11.54	11.47	11.61	7615	386895	beta-BHC	0.020000	380750	
12.26	12.19	12.33	17530	905560	delta-BHC	0.020000	876500	
12.38	12.30	12.44	17208	869920	Heptachlor	0.020000	860400	
13.14	13.07	13.21	15768	800938	Aldrin	0.020000	788350	
14.06			186					
14.49	14.42	14.56	14443	732520	Heptachlor Epoxide	0.020000	722100	
14.83			327					
14.92	14.85	14.99	14324	732785	gamma-Chlordane	0.020000	716150	
15.25	15.18	15.32	12275	625690	alpha-Chlordane	0.020000	613700	
15.36	15.30	15.44	13336	671435	Endosulfan I	0.020000	666750	
15.66	15.58	15.72	24451	628898	4,4'-DDE	0.040000	611275	
15.98	15.91	16.05	24217	620834	Dieldrin	0.040000	605425	
16.64	16.57	16.71	20478	524294	Endrin	0.040000	511925	
16.75			467					
16.92	16.84	16.98	17131	439472	4,4'-DDD	0.040000	428275	
17.11	17.04	17.18	20167	513939	Endosulfan II	0.040000	504175	
17.59	17.52	17.66	18483	475411	4,4'-DDT	0.040000	462075	
17.84	17.77	17.91	16090	404378	Endrin Aldehyde	0.040000	402250	
18.11			220					
18.44	18.37	18.51	17571	448710	Endosulfan sulfate	0.040000	439250	
19.07	19.00	19.14	36774	188748	Methoxychlor	0.200000	183865	
19.35			246					
19.59	19.52	19.66	19114	485871	Endrin Ketone	0.040000	477850	
22.50	22.43	22.57	16714	423349	Decachlorobiphenyl	0.040000	417850	

AHW
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Data File: /chem/tracegc82.i/h100608_2C.b/007h0F08011-CAL4.d

Date : 08-JUN-2010 16:58

Client ID: INDC4HA

Sample Info: 0F08011-CAL4

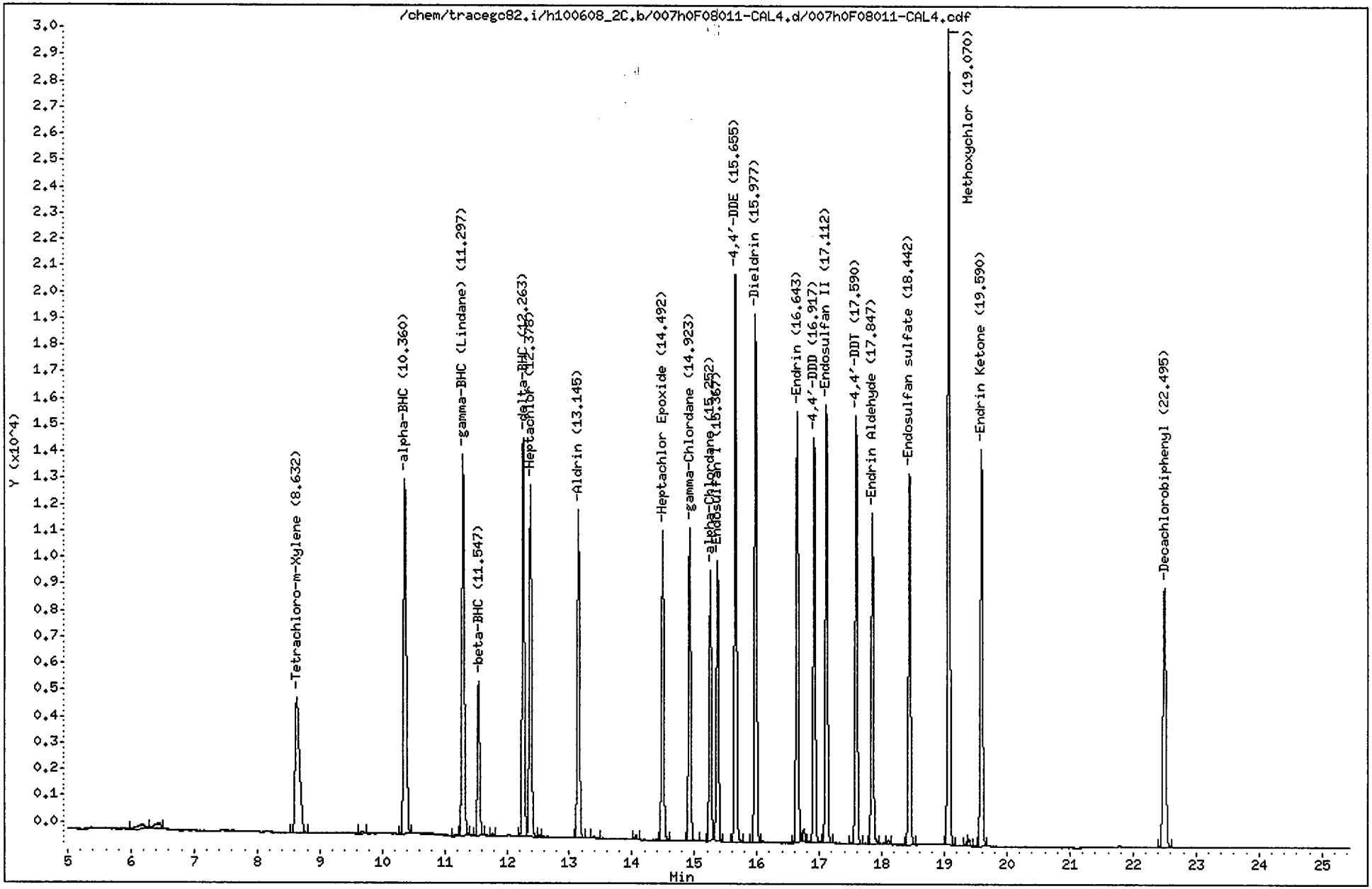
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc82.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0F08011-CAL4 Client Smp Id : INDC4HA
Sample Type : INITIAL CAL: Level 4 Sublist : INDA
Inj Date : 08-JUN-2010 16:58 Inst ID : TRACEGC82
Operator : AHW
Method : /chem/tracegc82.i/h100608_2C.b/8081A_clpest2v6.m
Misc. Info : INDC4HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.34			1623					
1.48			66522					
2.55			342					
6.18			1470					
6.44			1440					
8.63	8.56	8.70	24816	632710	Tetrachloro-m-Xylene	0.040000	620400	
9.67			266					
10.36	10.29	10.43	41506	1047682	alpha-BHC	0.040000	1037650	
11.21			254					
11.30	11.22	11.36	38929	979802	gamma-BHC (Lindane)	0.040000	973200	
11.55	11.47	11.61	14976	386895	beta-BHC	0.040000	374375	
11.78			149					
12.26	12.19	12.33	36039	905560	delta-BHC	0.040000	900975	
12.38	12.30	12.44	33882	869920	Heptachlor	0.040000	847050	
12.52			211					
13.14	13.07	13.21	30559	800938	Aldrin	0.040000	763950	
13.39			252					
14.06			346					
14.49	14.42	14.56	27866	732520	Heptachlor Epoxide	0.040000	696625	
14.92	14.85	14.99	27842	732785	gamma-Chlordane	0.040000	696025	
15.25	15.18	15.32	23551	625690	alpha-Chlordane	0.040000	588775	
15.37	15.30	15.44	25146	671435	Endosulfan I	0.040000	628650	
15.66	15.58	15.72	48056	628898	4,4'-DDE	0.080000	600700	
15.98	15.91	16.05	46967	620834	Dieldrin	0.080000	587087	
16.64	16.57	16.71	38877	524294	Endrin	0.080000	485950	
16.75			1105					
16.92	16.84	16.98	34128	439472	4,4'-DDD	0.080000	426600	
17.11	17.04	17.18	39137	513939	Endosulfan II	0.080000	489213	
17.52			130					
17.59	17.52	17.66	36993	475411	4,4'-DDT	0.080000	462400	
17.85	17.77	17.91	30220	404378	Endrin Aldehyde	0.080000	377737	
18.10			346					
18.44	18.37	18.51	33967	448710	Endosulfan sulfate	0.080000	424575	
19.07	19.00	19.14	71081	188748	Methoxychlor	0.400000	177700	
19.35			263					
19.39			638					
19.59	19.52	19.66	37473	485871	Endrin Ketone	0.080000	468413	
22.50	22.43	22.57	31510	423349	Decachlorobiphenyl	0.080000	393875	

AHW
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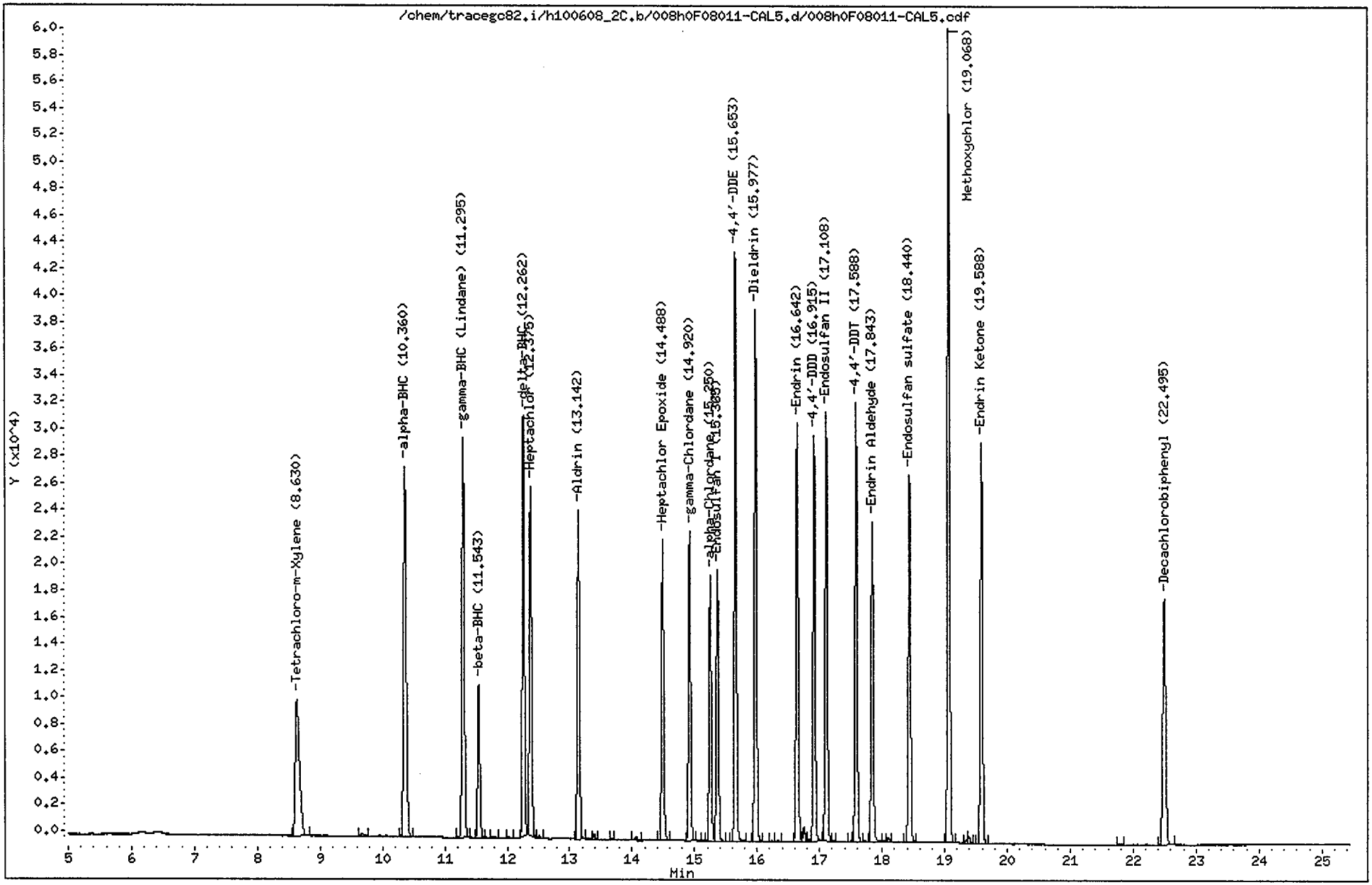
Data File: /chem/tracegc82.i/h100608_2C.b/008h0F08011-CAL5.d
Date : 08-JUN-2010 17:27
Client ID: INDC5HA
Sample Info: 0F08011-CAL5
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0F08011-CAL5 Client Smp Id : INDC5HA
Sample Type : INITIAL CAL: Level 5 Sublist : INDA
Inj Date : 08-JUN-2010 17:27 Inst ID : TRACEGC82
Operator : AHW
Method : /chem/tracegc82.i/h100608_2C.b/8081A_clpest2v6.m
Misc. Info : INDC5HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.33			993					
1.48			34988					
2.54			465					
8.63	8.56	8.70	48292	632710	Tetrachloro-m-Xylene	0.080000	603650	
9.68			608					
10.36	10.29	10.43	83866	1047682	alpha-BHC	0.080000	1048313	
11.30	11.22	11.36	77945	979802	gamma-BHC (Lindane)	0.080000	974313	
11.54	11.47	11.61	29052	386895	beta-BHC	0.080000	363150	
11.77			343					
12.02			198					
12.26	12.19	12.33	72283	905560	delta-BHC	0.080000	903525	
12.38	12.30	12.44	64322	869920	Heptachlor	0.080000	804013	
12.51			339					
13.14	13.07	13.21	59664	800938	Aldrin	0.080000	745787	
13.39			724					
13.66			190					
14.06			787					
14.49	14.42	14.56	53390	732520	Heptachlor Epoxide	0.080000	667375	
14.92	14.85	14.99	53757	732785	gamma-Chlordane	0.080000	671950	
15.13			157					
15.25	15.18	15.32	46287	625690	alpha-Chlordane	0.080000	578575	
15.36	15.30	15.44	49159	671435	Endosulfan I	0.080000	614475	
15.65	15.58	15.72	95938	628898	4,4'-DDE	0.160000	599613	
15.98	15.91	16.05	92393	620834	Dieldrin	0.160000	577456	
16.24			124					
16.34			220					
16.64	16.57	16.71	75007	524294	Endrin	0.160000	468794	
16.75			2499					
16.83			311					
16.92	16.84	16.98	67975	439472	4,4'-DDD	0.160000	424837	
17.11	17.04	17.18	76049	513939	Endosulfan II	0.160000	475306	
17.23			148					
17.52			244					
17.59	17.52	17.66	73525	475411	4,4'-DDT	0.160000	459531	
17.73			175					
17.84	17.77	17.91	58281	404378	Endrin Aldehyde	0.160000	364250	
18.10			680					
18.44	18.37	18.51	65733	448710	Endosulfan sulfate	0.160000	410825	
19.07	19.00	19.14	136999	188748	Methoxychlor	0.800000	171247	
19.35			535					
19.39			1307					
19.59	19.52	19.66	73183	485871	Endrin Ketone	0.160000	457394	

AHW
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CompuChem

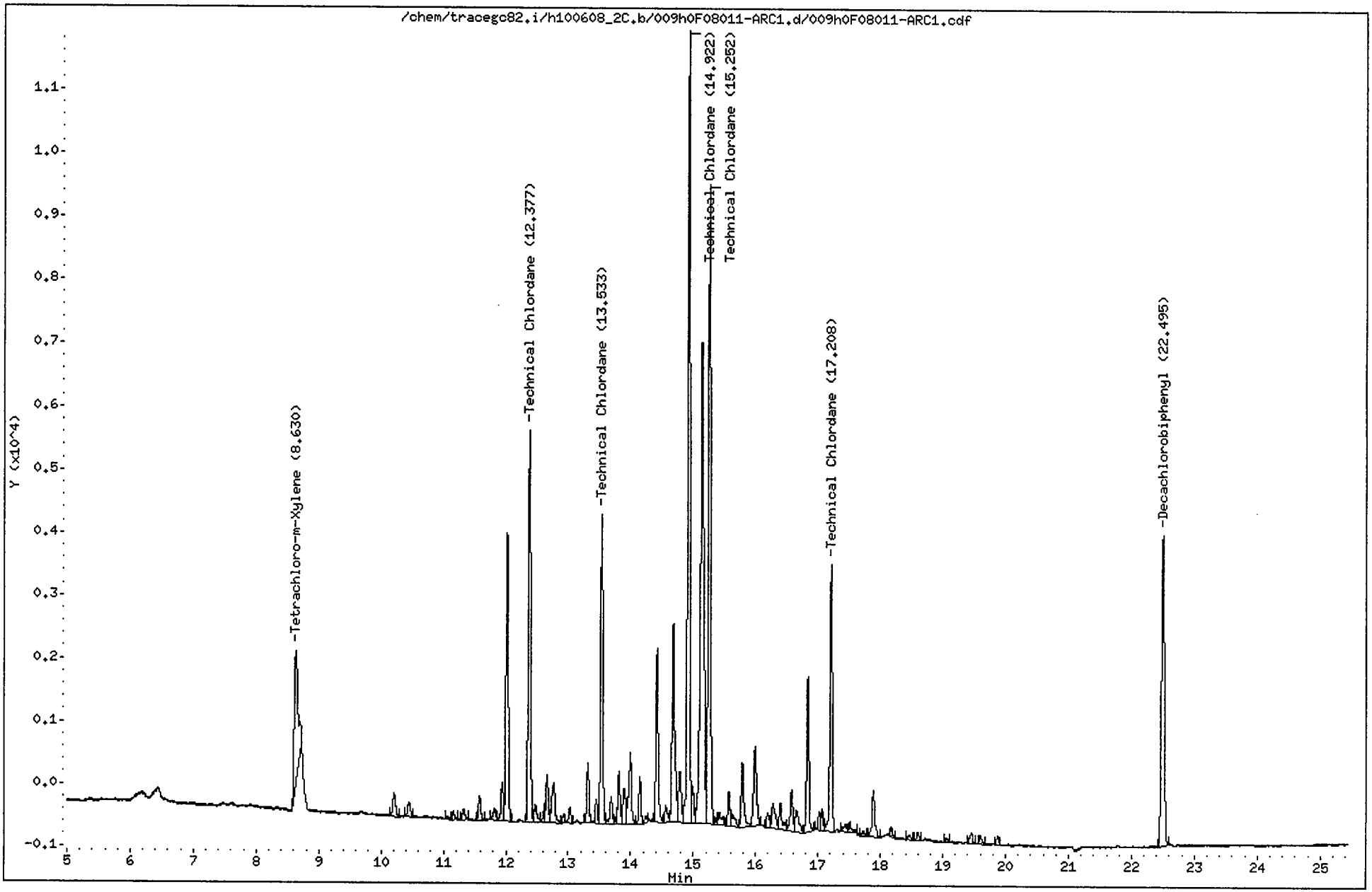
Lab Smp Id : 0F08011-CAL5 Client Smp Id : INDC5HA
Sample Type : INITIAL CAL: Level 5 Sublist : INDA
Inj Date : 08-JUN-2010 17:27 Inst ID :
Operator : AHW
Method : /chem/tracegc82.i/h100608_2C.b/8081A_clpest2v6.m
Misc. Info : INDC5HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
21.78		266					
22.50	22.43 22.57	59011	423349	Decachlorobiphenyl	0.160000	368819	

Data File: /chem/tracegc82.i/h100608_2C.b/009h0F08011-ARC1.d
Date : 08-JUN-2010 17:57
Client ID: CHLOR03HA
Sample Info: 0F08011-ARC1
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0F08011-ARC1 Client Smp Id : CHLORO3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TechChlor
Inj Date : 08-JUN-2010 17:57 Inst ID : TRACEGC82
Operator : AHW
Method : /chem/tracegc82.i/h100608_2C.b/8081A_clpest2v6.m
Misc. Info : CHLORO3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.05		585					
1.16		904					
1.33		3656					
1.46		54506					
2.52		266					
8.63	8.56 8.70	8891	632710	Tetrachloro-m-Xylene	0.020000	630200	
10.21		1143					
10.45		722					
11.07		149					
11.16		386					
11.32		504					
11.58		1059					
11.82		596					
11.95		1570					
12.02		11873					
12.38	12.31 12.45	15712	39280	TechnicalChlordane Peak 1	0.400000	39280	
12.47		928					
12.62		401					
12.66		1907					
12.77		2481					
12.93		277					
13.03		645					
13.31		2339					
13.45		934					
13.53	13.46 13.60	11884	29708	TechnicalChlordane Peak 2	0.400000	29707	
13.69		1246					
13.77		196					
13.81		2102					
13.90		1888					
13.99		3702					
14.14		1775					
14.25		269					
14.42		6701					
14.56		823					
14.68		9480					
14.79		2544					
14.92	14.85 14.99	30880	77198	TechnicalChlordane Peak 3	0.400000	77197	
14.99		1290					
15.13		27935					
15.25	15.18 15.32	25460	63648	TechnicalChlordane Peak 4	0.400000	63647	
15.37		168					
15.42		709					

AHW
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CompuChem

Lab Smp Id : 0F08011-ARC1 Client Smp Id : CHLORO3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TechChlor
Inj Date : 08-JUN-2010 17:57 Inst ID :
Operator : AHW
Method : /chem/tracegc82.i/h100608_2C.b/8081A_clpest2v6.m
Misc. Info : CHLORO3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.57		1295					
15.63		823					
15.79		3054					
15.99		4140					
16.19		751					
16.27		1527					
16.39		1449					
16.57		1957					
16.66		1462					
16.84		6130					
17.02		607					
17.07		830					
17.21	17.14 17.28	10648	26618	TechnicalChlordane Peak 5	0.400000	26617	
17.41		442					
17.51		521					
17.72		235					
17.89		2470					
18.18		414					
18.47		261					
18.60		334					
19.06		182					
19.45		547					
19.60		377					
19.87		325					
22.50	22.43 22.57	15720	423349	Decachlorobiphenyl	0.040000	417850	

Data File: /chem/tracegc82.i/h100608_2C.b/010h0F08011-ARC2.d

Date : 08-JUN-2010 18:26

Client ID: TOXAPH3HA

Instrument: tracegc82.i

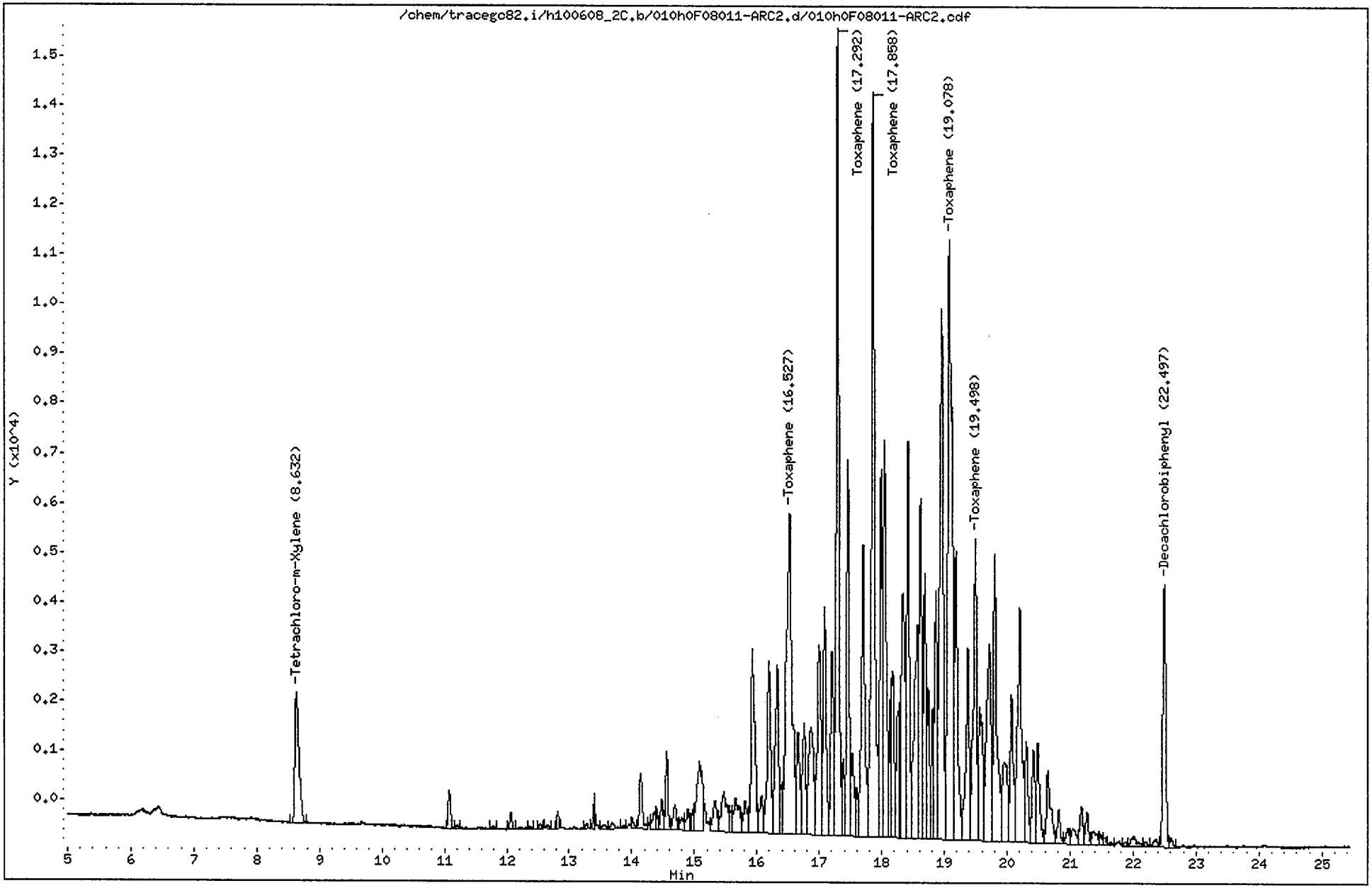
Sample Info: 0F08011-ARC2

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0F08011-ARC2 Client Smp Id : TOXAPH3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 08-JUN-2010 18:26 Inst ID : TRACEGC82
Operator : AHW
Method : /chem/tracegc82.i/h100608_2C.b/8081A_clpest2v6.m
Misc. Info : TOXAPH3HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.08			125					
1.34			1067					
1.49			64379					
2.54			175					
3.35			229					
3.84			220					
4.30			124					
8.63	8.56	8.70	11944	632710	Tetrachloro-m-Xylene	0.020000	630200	
11.08			2218					
11.21			236					
11.77			135					
12.07			870					
12.37			177					
12.53			280					
12.64			205					
12.81			813					
13.28			306					
13.40			575					
13.56			311					
13.68			549					
13.88			160					
14.01			529					
14.14			3813					
14.36			1127					
14.40			951					
14.48			1830					
14.56			4067					
14.69			1945					
14.80			1068					
14.90			1570					
14.98			1274					
15.08			8639					
15.33			2960					
15.47			5230					
15.58			1256					
15.66			4478					
15.81			2795					
15.93			15080					
16.07			3345					
16.19			13673					
16.33			13411					
16.39			2530					

AHW
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CompuChem

Lab Smp Id : 0F08011-ARC2 Client Smp Id : TOXAPH3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 08-JUN-2010 18:26 Inst ID :
Operator : AHW
Method : /chem/tracegc82.i/h100608_2C.b/8081A_clpest2v6.m
Misc. Info : TOXAPH3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
16.53	16.46 16.60	40539	20269	Toxaphene Peak 1	2.000000	20269	M2
16.66		7313					
16.76		8427					
16.86		12598					
16.99		16789					
17.08		15489					
17.20		12897					
17.29	17.22 17.36	45457	22728	Toxaphene Peak 2	2.000000	22728	
17.38		4085					
17.45		21313					
17.53		5703					
17.60		2738					
17.70		22997					
17.86	17.79 17.93	54727	27363	Toxaphene Peak 3	2.000000	27363	
17.99		20429					
18.04		27231					
18.15		5878					
18.17		10081					
18.26		7075					
18.29		4194					
18.34		20676					
18.42		23377					
18.57		21701					
18.62		19973					
18.69		15041					
18.74		7833					
18.82		7023					
18.86		13727					
18.96		42253					
19.08	19.01 19.15	58964	29482	Toxaphene Peak 4	2.000000	29482	
19.19		19769					
19.38		14787					
19.50	19.43 19.57	21988	10994	Toxaphene Peak 5	2.000000	10994	
19.57		12626					
19.72		20493					
19.80		21808					
19.95		9996					
20.07		10461					
20.20		21731					
20.31		7007					
20.42		6496					
20.49		7165					

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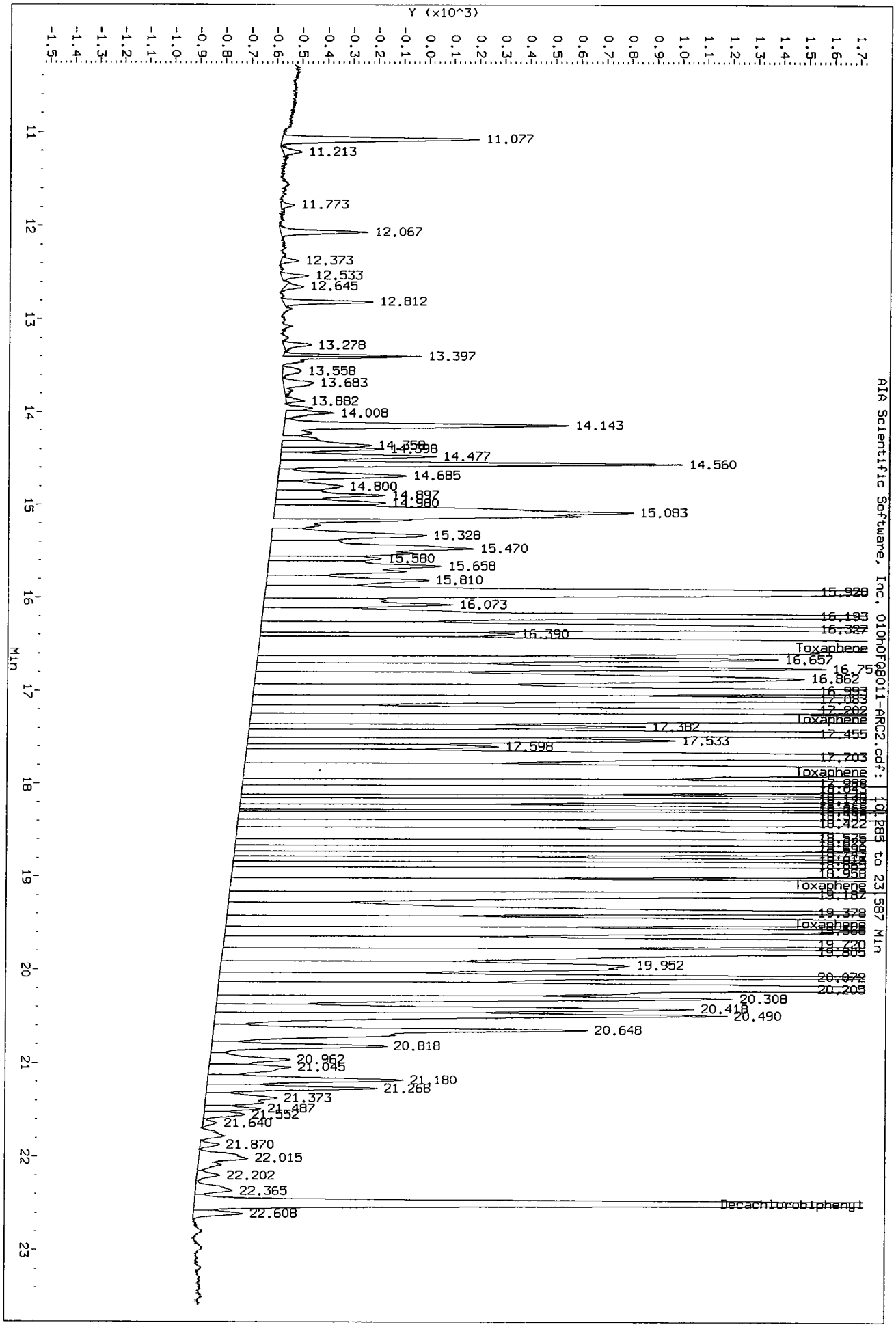
CompuChem

Lab Smp Id : 0F08011-ARC2 Client Smp Id : TOXAPH3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 08-JUN-2010 18:26 Inst ID :
Operator : AHW
Method : /chem/tracegc82.i/h100608_2C.b/8081A_clpest2v6.m
Misc. Info : TOXAPH3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
20.65		6819					
20.82		2187					
20.96		1256					
21.05		1616					
21.18		2811					
21.27		2006					
21.37		1625					
21.49		588					
21.55		497					
21.64		162					
21.87		203					
22.02		1242					
22.20		316					
22.36		680					
22.50	22.43 22.57	17311	423349	Decachlorobiphenyl	0.040000	417850	
22.61		583					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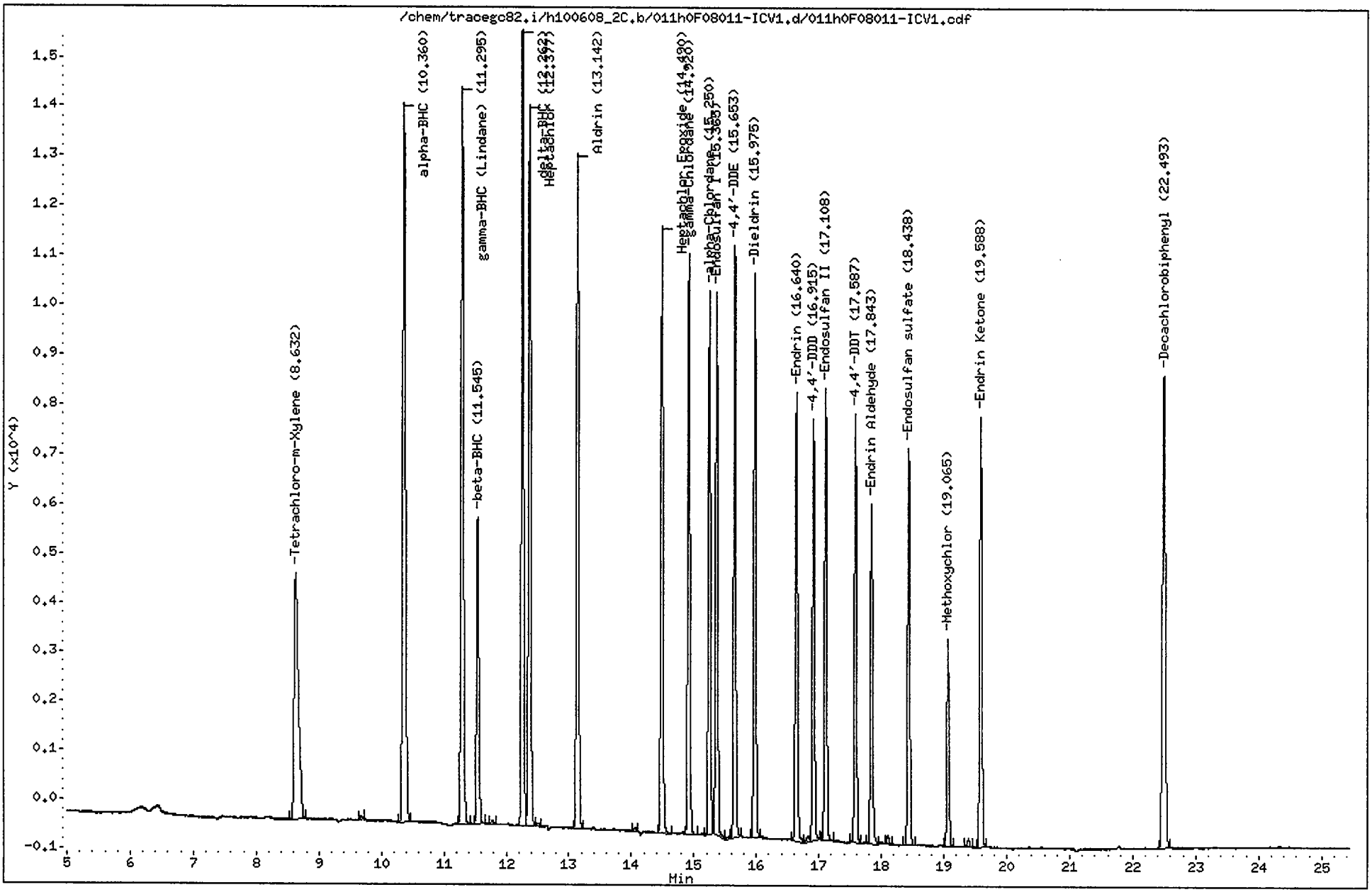
Injection Date: 08-JUN-2010 18:26
Instrument: tracegc82.i
Client Sample ID: TOXAPH3HA
Y (x10^3)
Min
AIA Scientific Software, Inc. O10h0F08011-ARC2.cdf: 10.285 to 23.587 Min
11.077
11.213
11.773
12.067
12.373
12.533
12.645
12.812
13.278
13.397
13.558
13.683
13.882
14.008
14.143
14.477
14.560
14.685
14.800
14.980
15.083
15.328
15.470
15.580
15.658
15.810
16.073
16.390
Toxaphene
16.657
16.862
Toxaphene
17.382
17.533
17.598
Toxaphene
18.422
18.950
Toxaphene
19.187
19.378
19.952
20.308
20.418
20.490
20.648
20.818
20.962
21.045
21.180
21.268
21.373
21.640
21.870
22.015
22.202
22.365
Decachlorobiphenyl
22.608

Data File: /chem/tracegc82.i/h100608_2C.b/011h0F08011-ICV1.d
Date : 08-JUN-2010 18:55
Client ID: PESTCHKHA
Sample Info: 0F08011-ICV1
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i
Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0F08011-ICV1 Client Smp Id : PESTCHKHA
Sample Type : QCCHECK Sublist : INDA
Inj Date : 08-JUN-2010 18:55 Inst ID : TRACEGC82
Operator : AHW Spike Sublist : INDAchek
Method : /chem/tracegc82.i/h100608_2C.b/8081A_clpest2v6.m
Misc. Info : PESTCHKHA

RT	AREA
1.29	259
1.34	714
1.46	52228
2.52	283
8.63	24199
9.68	218
10.36	44439
11.29	40035
11.54	16083
11.78	180
12.26	38587
12.38	37124
12.52	225
13.14	33137
14.06	230
14.49	29049
14.92	27510
15.25	25660
15.37	26114
15.56	160
15.65	26859
15.97	26692
16.64	22001
16.83	353
16.91	19448
17.11	22084
17.59	19733
17.84	17012
18.10	441
18.44	19542
19.07	9644
19.39	397
19.59	21699
22.49	30759

AHW
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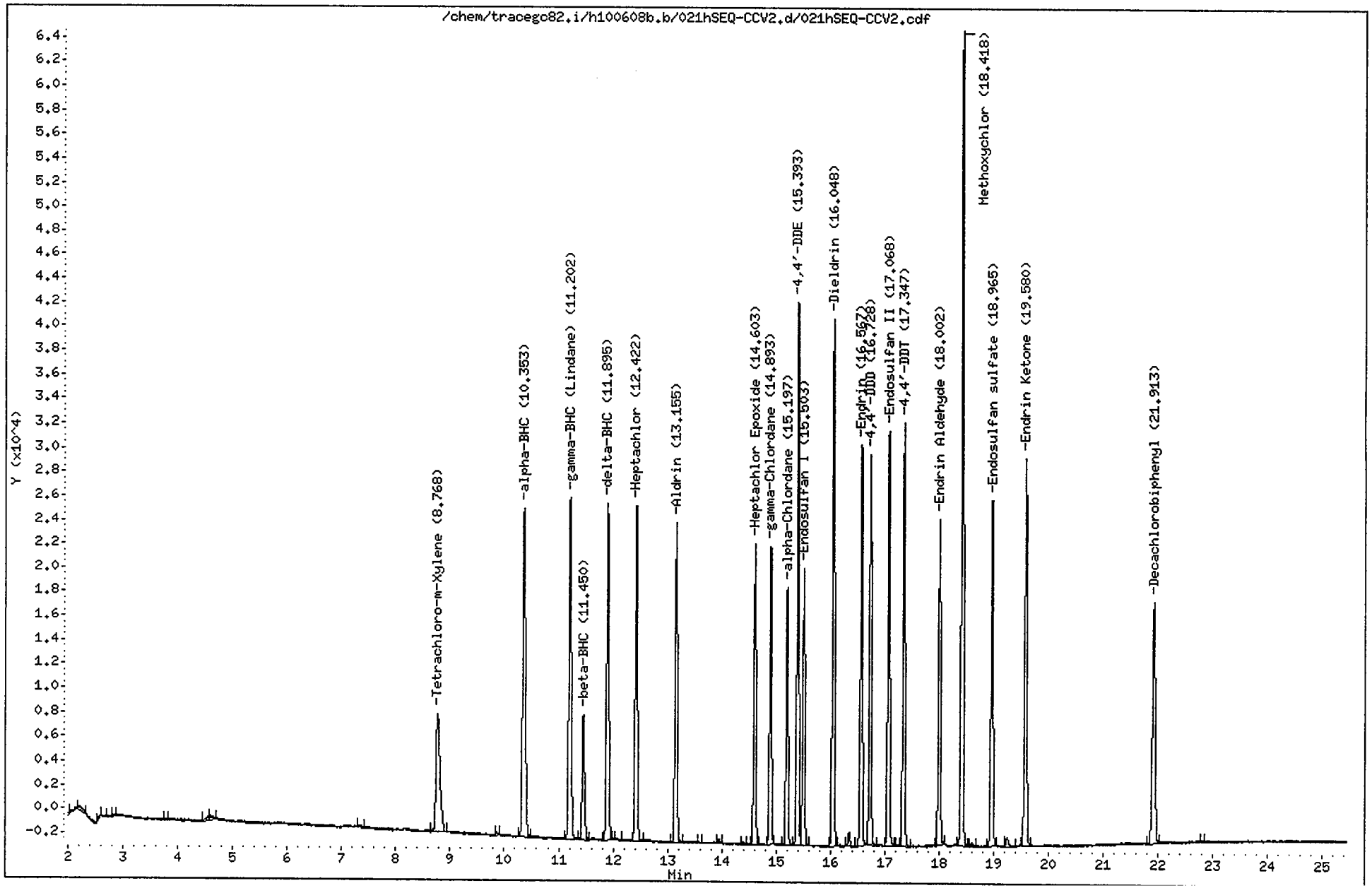
Manual Integrations							
SDG:							
Sample(s)	0F08011-ARC2						
Compound							
alpha-BHC							
gamma-BHC							
beta-BHC							
delta-BHC							
Heptachlor							
Aldrin							
Heptachlor Epoxide							
gamma-Chlordane							
alpha-Chlordane							
Endosulfan I							
4,4'-DDE							
Dieldrin							
Endrin							
4,4'-DDD							
Endosulfan II							
4,4'-DDT							
Endrin Aldehyde							
Endosulfan sulfate							
Methoxychlor							
Endrin Ketone							
Toxaphene	X						
Technical Chordane							
Tetrachloro-m-xylene							
Decachlorbiphenyl							
"X" Denotes a manual integration for the compound							

Data File: /chem/tracegc82.i/h100608b.b/021hSEQ-CCV2.d
Date : 09-JUN-2010 14:59
Client ID: INDC3HF
Sample Info: SEQ-CCV2
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i
Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV2 Client Smp Id : INDC3HF
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 09-JUN-2010 14:59 Inst ID : TRACEGC82
Operator : AHW
Method : /chem/tracegc82.i/h100608b.b/8081A_clpestv6.m
Misc. Info : INDC3HF

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
0.52			288								
0.59			290								
0.67			362								
0.88			355								
1.35			2603								
1.42			660								
2.01			321								
2.20			2666								
2.56			689								
2.74			299								
2.82			383								
3.76			291								
4.56			1113								
4.59			1601								
7.34			670								
8.77	8.69	8.83	49864	2301868	Tetrachloro-m-Xylene	0.020000	2493205	-8.3	20.0		
9.87			567								
10.35	10.28	10.42	94118	4405790	alpha-BHC	0.020000	4705890	-6.8	20.0		
11.20	11.13	11.27	86791	4029818	gamma-BHC (Lindane)	0.020000	4339525	-7.7	20.0		
11.45	11.38	11.52	31165	1459142	beta-BHC	0.020000	1558265	-6.8	20.0		
11.90	11.83	11.97	80650	3715660	delta-BHC	0.020000	4032480	-8.5	20.0		
12.05			486								
12.42	12.35	12.49	78944	3684488	Heptachlor	0.020000	3947210	-7.1	20.0		
13.16	13.08	13.22	71917	3341085	Aldrin	0.020000	3595840	-7.6	20.0		
13.57			285								
13.95			896								
14.40			603								
14.60	14.53	14.67	63937	3010525	Heptachlor Epoxide	0.020000	3196840	-6.2	20.0		
14.89	14.82	14.96	62591	3005622	gamma-Chlordane	0.020000	3129525	-4.1	20.0		
15.20	15.13	15.27	54550	2539038	alpha-Chlordane	0.020000	2727480	-7.4	20.0		
15.39	15.32	15.46	109402	2606392	4,4'-DDE	0.040000	2735055	-4.9	20.0		
15.50	15.43	15.57	58332	2745735	Endosulfan I	0.020000	2916612	-6.2	20.0		
16.05	15.98	16.12	110692	2641458	Dieldrin	0.040000	2767310	-4.8	20.0		
16.35			3155								
16.57	16.49	16.63	85128	2142524	Endrin	0.040000	2128211	0.7	20.0		
16.73	16.66	16.80	79330	1884902	4,4'-DDD	0.040000	1983261	-5.2	20.0		
17.07	17.00	17.14	90030	2129109	Endosulfan II	0.040000	2250740	-5.7	20.0		
17.23			327								
17.35	17.27	17.41	85959	2061735	4,4'-DDT	0.040000	2148977	-4.2	20.0		
18.00	17.93	18.07	70416	1591159	Endrin Aldehyde	0.040000	1760405	-10.6	20.0		
18.42	18.34	18.48	169552	832564	Methoxychlor	0.200000	847758	-1.8	20.0		
18.60			730								

AHW
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CompuChem

Lab Smp Id : SEQ-CCV2 Client Smp Id : INDC3HF
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 09-JUN-2010 14:59 Inst ID :
Operator : AHW
Method : /chem/tracegc82.i/h100608b.b/8081A_clpestv6.m
Misc. Info : INDC3HF

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
18.96	18.89 19.03	75076	1802015	Endosulfan sulfate	0.040000	1876900	-4.2	20.0		
19.25		2526								
19.58	19.51 19.65	86965	2060691	Endrin Ketone	0.040000	2174127	-5.5	20.0		
21.91	21.84 21.98	69112	1657019	Decachlorobiphenyl	0.040000	1727807	-4.3	20.0		
22.80		291								

Data File: /chem/tracegc82.i/h100608b.b/022hSEQ-PEM2.d

Date : 09-JUN-2010 15:28

Client ID: PEMHF

Instrument: tracegc82.i

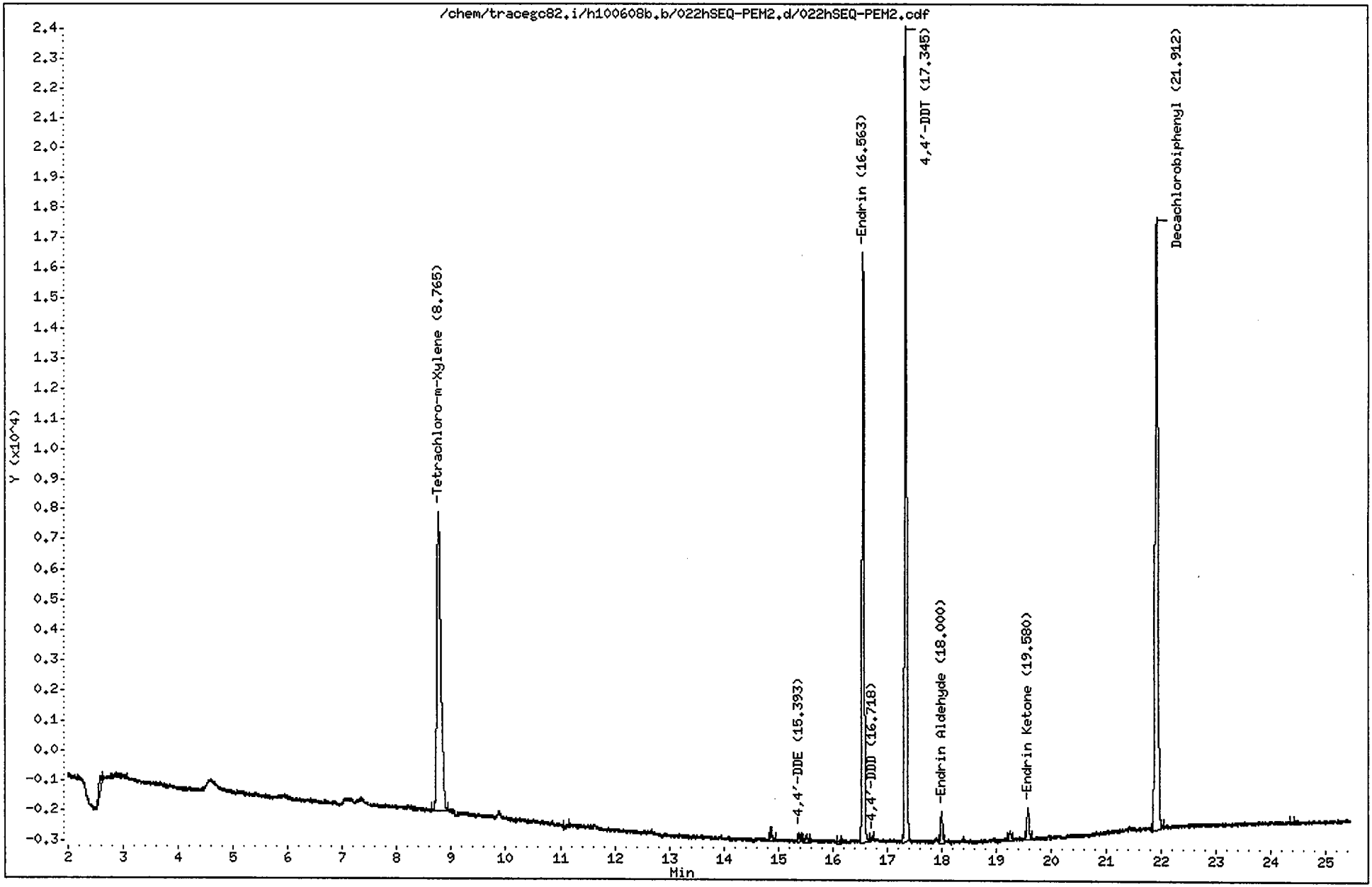
Sample Info: SEQ-PEM2

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM2 Client Smp Id : PEMHF
Sample Type : SAMPLE Sublist : PEM
Inj Date : 09-JUN-2010 15:28 Inst ID : TRACEGC82
Operator : AHW
Method : /chem/tracegc82.i/h100608b.b/8081A_clpestv6.m
Misc. Info : PEMHF

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
0.55			492								
0.62			701								
0.88			366								
0.92			429								
1.05			848								
1.33			2242								
1.35			1833								
1.42			34012								
2.58			1363								
8.76	8.69	8.83	51314	2301868	Tetrachloro-m-Xylene	0.022292	0.022292		112.6	43 - 135	
11.11			389								
14.87			1239								
15.39	15.32	15.46	493	2606392	4,4'-DDE	0.000189	0.000189	0.020000			J
15.52			869								
16.09			369								
16.56	16.49	16.63	50287	2142524	Endrin	0.023471	0.023471	0.020000			
16.72	16.66	16.80	355	1884902	4,4'-DDD	0.000188	0.000188	0.020000			J
17.34	17.27	17.41	66090	2061735	4,4'-DDT	0.032056	0.032056	0.020000			
18.00	17.93	18.07	2579	1591159	Endrin Aldehyde	0.001621	0.001621	0.020000			J
19.25			855								
19.58	19.51	19.65	2912	2060691	Endrin Ketone	0.001413	0.001413	0.020000			J
21.91	21.84	21.98	70994	1657019	Decachlorobiphenyl	0.042844	0.042844		108.2	43 - 144	
24.36			289								

AHW
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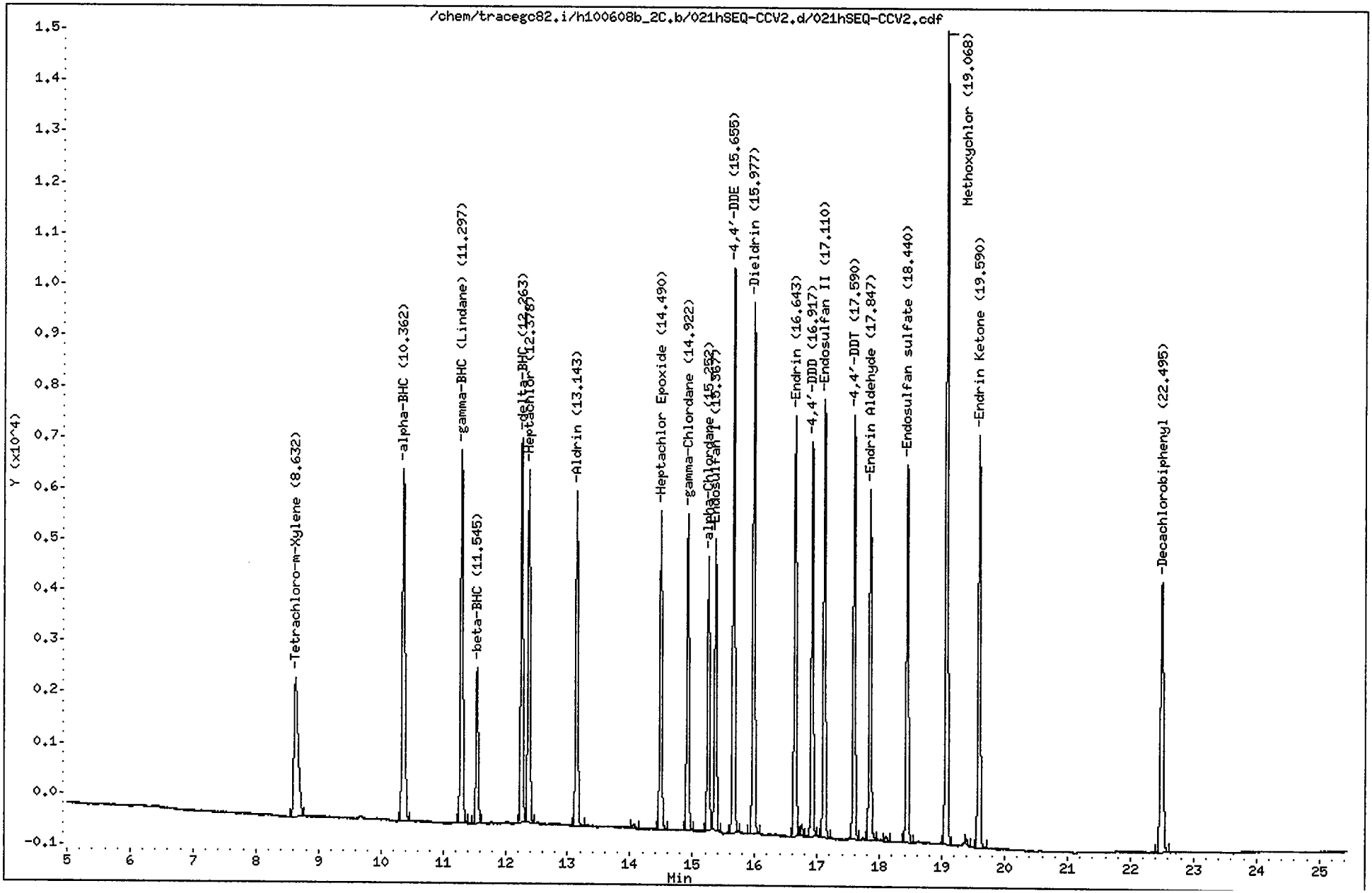
Data File: /chem/tracegc82.i/h100608b_2C.b/021hSEQ-CCV2.d
Date : 09-JUN-2010 14:59
Client ID: INDC3HF
Sample Info: SEQ-CCV2
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i
Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV2 Client Smp Id : INDC3HF
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 09-JUN-2010 14:59 Inst ID : TRACEGC82
Operator : AHW
Method : /chem/tracegc82.i/h100608b_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3HF

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.34			1474								
1.48			38192								
2.52			396								
8.63	8.56	8.70	12780	632710	Tetrachloro-m-Xylene	0.020000	638995	-1.0	20.0		
10.36	10.29	10.43	20883	1047682	alpha-BHC	0.020000	1044143	0.3	20.0		
11.30	11.23	11.37	19594	979802	gamma-BHC (Lindane)	0.020000	979695	0.0	20.0		
11.54	11.47	11.61	7827	386895	beta-BHC	0.020000	391337	-1.1	20.0		
12.26	12.19	12.33	17878	905560	delta-BHC	0.020000	893893	1.3	20.0		
12.38	12.31	12.45	17521	869920	Heptachlor	0.020000	876057	-0.7	20.0		
13.14	13.07	13.21	16086	800938	Aldrin	0.020000	804300	-0.4	20.0		
14.06			248								
14.49	14.42	14.56	14741	732520	Heptachlor Epoxide	0.020000	737045	-0.6	20.0		
14.92	14.85	14.99	14662	732785	gamma-Chlordane	0.020000	733080	0.0	20.0		
15.25	15.18	15.32	12540	625690	alpha-Chlordane	0.020000	627020	-0.2	20.0		
15.37	15.29	15.43	13419	671435	Endosulfan I	0.020000	670970	0.1	20.0		
15.66	15.58	15.72	24888	628898	4,4'-DDE	0.040000	622208	1.1	20.0		
15.98	15.91	16.05	24614	620834	Dieldrin	0.040000	615345	0.9	20.0		
16.64	16.57	16.71	19772	524294	Endrin	0.040000	494295	5.7	20.0		
16.75			489								
16.92	16.85	16.99	17557	439472	4,4'-DDD	0.040000	438932	0.1	20.0		
17.11	17.04	17.18	20578	513939	Endosulfan II	0.040000	514462	-0.1	20.0		
17.59	17.52	17.66	18885	475411	4,4'-DDT	0.040000	472125	0.7	20.0		
17.85	17.77	17.91	16801	404378	Endrin Aldehyde	0.040000	420023	-3.9	20.0		
18.11			227								
18.44	18.37	18.51	18078	448710	Endosulfan sulfate	0.040000	451953	-0.7	20.0		
19.07	19.00	19.14	36978	188748	Methoxychlor	0.200000	184892	2.0	20.0		
19.39			245								
19.59	19.52	19.66	19898	485871	Endrin Ketone	0.040000	497450	-2.4	20.0		
22.50	22.43	22.57	17162	423349	Decachlorobiphenyl	0.040000	429053	-1.3	20.0		

AHW
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Data File: /chem/tracegc82.i/h100608b_2C.b/022hSEQ-PEM2.d

Date : 09-JUN-2010 15:28

Client ID: PEMHF

Instrument: tracegc82.i

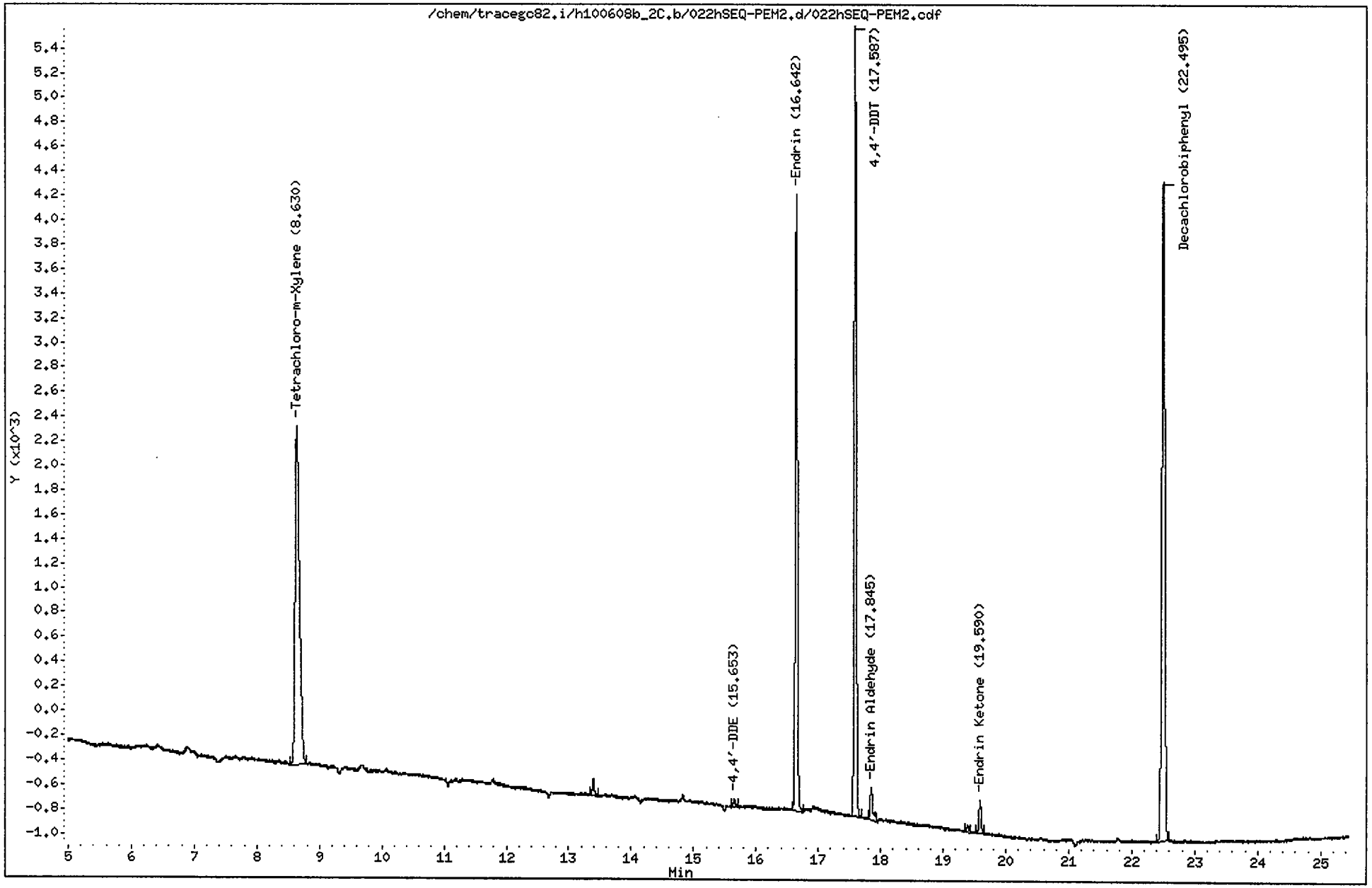
Sample Info: SEQ-PEM2

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM2 Client Smp Id : PEMHF
Sample Type : SAMPLE Sublist : PEM
Inj Date : 09-JUN-2010 15:28 Inst ID : TRACEGC82
Operator : AHW
Method : /chem/tracegc82.i/h100608b_2C.b/8081A_clpest2v6.m
Misc. Info : PEMHF

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.34			829								
1.48			61370								
2.53			346								
8.63	8.56	8.70	13234	632710	Tetrachloro-m-Xylene	0.020917	0.020917		105.6	43 - 135	
13.39			300								
15.65	15.58	15.72	155	628898	4,4'-DDE	0.000246	0.000246	0.020000			J
16.64	16.57	16.71	12023	524294	Endrin	0.022931	0.022931	0.020000			
17.59	17.52	17.66	14832	475411	4,4'-DDT	0.031198	0.031198	0.020000			
17.84	17.77	17.91	773	404378	Endrin Aldehyde	0.001910	0.001910	0.020000			J
19.39			135								
19.59	19.52	19.66	646	485871	Endrin Ketone	0.001330	0.001330	0.020000			J
22.50	22.43	22.57	17438	423349	Decachlorobiphenyl	0.041191	0.041191		104.0	43 - 144	

AHW
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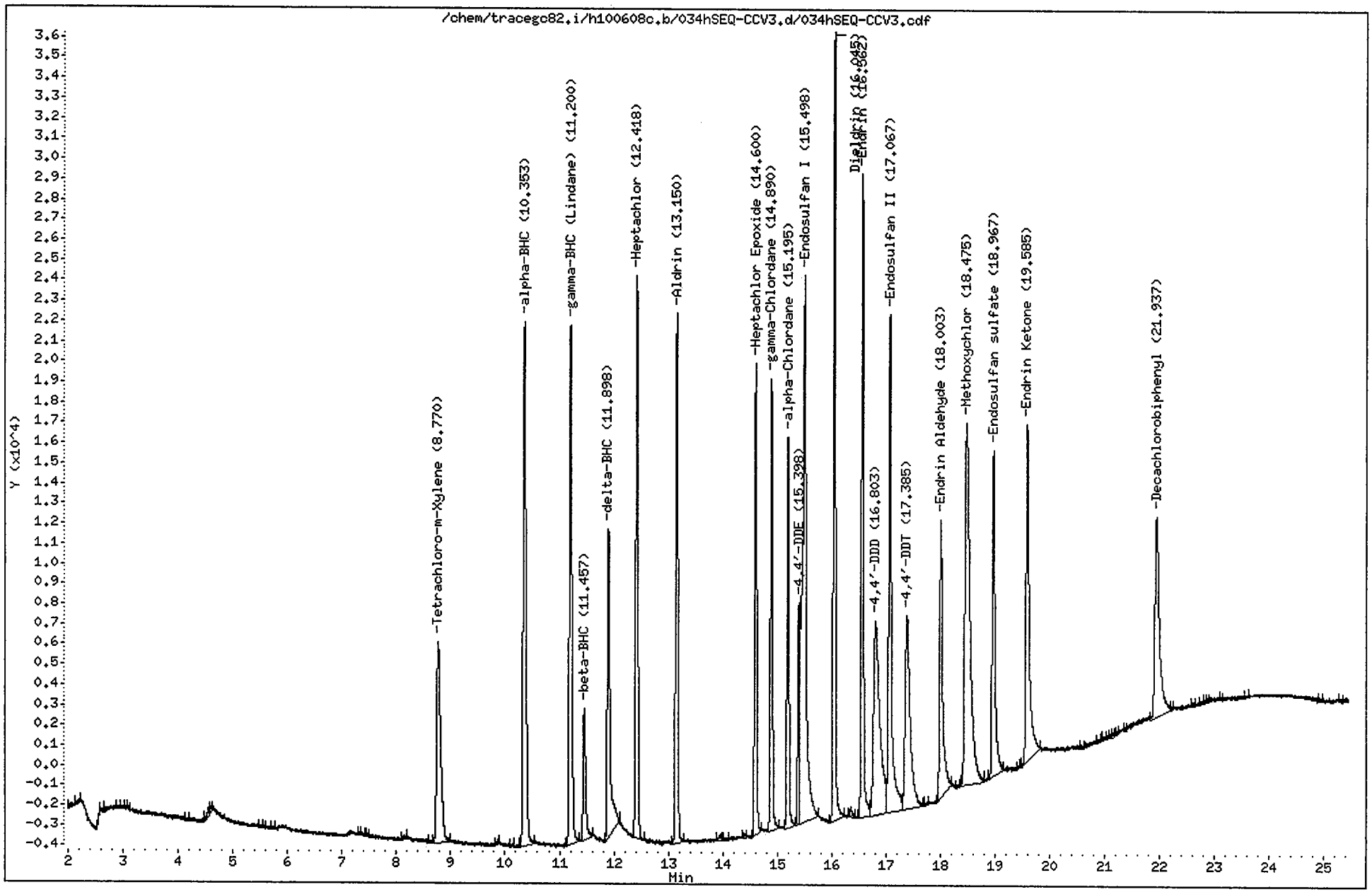
Data File: /chem/tracegc82.i/h100608c.b/034hSEQ-CCV3.d
Date : 09-JUN-2010 21:17
Client ID: INDC3HH
Sample Info: SEQ-CCV3
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i
Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV3 Client Smp Id : INDC3HH
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 09-JUN-2010 21:17 Inst ID : TRACEGC82
Operator : AHW
Method : /chem/tracegc82.i/h100608c.b/8081A_clpestv6.m
Misc. Info : INDC3HH

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
0.27			313								
0.92			357								
1.06			1438								
1.12			598								
1.34			6168								
1.42			38297								
2.07			779								
2.20			563								
2.57			398								
2.62			332								
2.90			478								
2.99			383								
3.09			296								
4.14			328								
4.55			884								
4.59			837								
5.49			334								
5.58			313								
5.72			299								
7.31			319								
7.37			280								
7.45			306								
8.13			508								
8.59			330								
8.77	8.69	8.83	51458	2301868	Tetrachloro-m-Xylene	0.020000	2572850	-11.8	20.0		
9.87			457								
10.10			306								
10.35	10.28	10.42	92937	4405790	alpha-BHC	0.020000	4646800	-5.5	20.0		
11.20	11.13	11.27	81916	4029818	gamma-BHC (Lindane)	0.020000	4095800	-1.6	20.0		
11.46	11.38	11.52	21502	1459142	beta-BHC	0.020000	1075050	26.3*	20.0	R	
11.90	11.83	11.97	54331	3715660	delta-BHC	0.020000	2716550	26.9*	20.0	R	
12.42	12.35	12.49	78964	3684488	Heptachlor	0.020000	3948200	-7.2	20.0		
13.15	13.08	13.22	71890	3341085	Aldrin	0.020000	3594500	-7.6	20.0		
13.93			928								
14.06			305								
14.39			568								
14.60	14.53	14.67	60361	3010525	Heptachlor Epoxide	0.020000	3018000	-0.2	20.0		
14.89	14.82	14.96	58613	3005622	gamma-Chlordane	0.020000	2930600	2.5	20.0		
15.20	15.13	15.27	50085	2539038	alpha-Chlordane	0.020000	2504200	1.4	20.0		
15.40	15.32	15.46	28278	2606392	4,4'-DDE	0.040000	706950	72.9*	20.0	R	
15.50	15.43	15.57	128441	2745735	Endosulfan I	0.020000	6422050	-99.9*	20.0	R	
16.04	15.98	16.12	104482	2641458	Dieldrin	0.040000	2612025	1.1	20.0		

AHW
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CompuChem

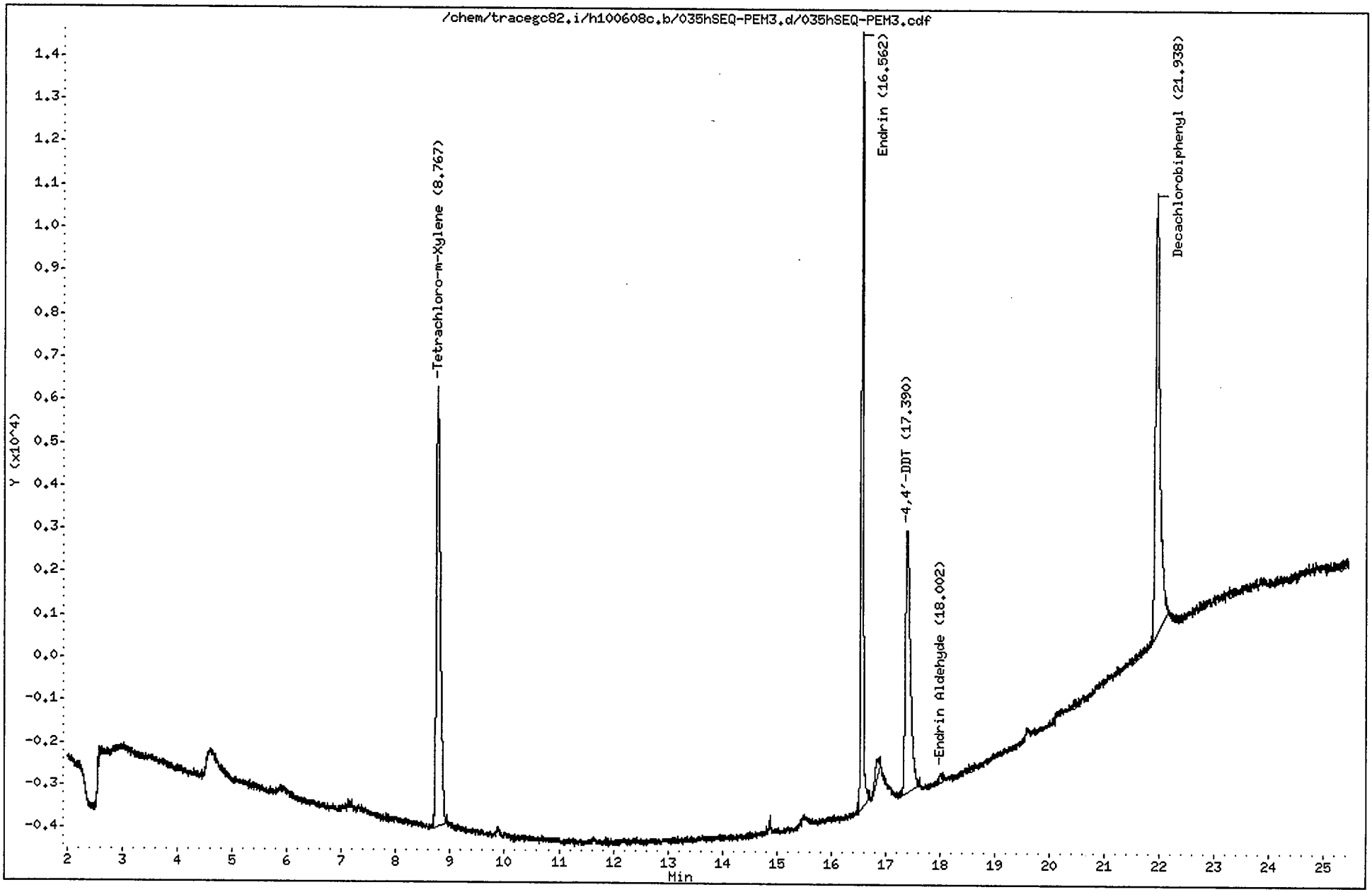
Lab Smp Id : SEQ-CCV3 Client Smp Id : INDC3HH
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 09-JUN-2010 21:17 Inst ID :
Operator : AHW
Method : /chem/tracegc82.i/h100608c.b/8081A_clpestv6.m
Misc. Info : INDC3HH

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
16.35		1450								
16.56	16.49 16.63	87433	2142524	Endrin	0.040000	2185825	-2.0	20.0		
16.80	16.66 16.80	78261	1884902	4,4'-DDD	0.040000	1956525	-3.8	20.0		
17.07	17.00 17.14	86539	2129109	Endosulfan II	0.040000	2163450	-1.6	20.0		
17.38	17.27 17.41	62010	2061735	4,4'-DDT	0.040000	1550225	24.8*	20.0	R	
17.73		291								
18.00	17.93 18.07	52218	1591159	Endrin Aldehyde	0.040000	1305425	18.0	20.0		
18.31		302								
18.48	18.34 18.48	117722	832564	Methoxychlor	0.200000	588610	29.3*	20.0	R	
18.86		348								
18.97	18.89 19.03	56900	1802015	Endosulfan sulfate	0.040000	1422475	21.1*	20.0	R	
19.42		297								
19.58	19.51 19.65	69070	2060691	Endrin Ketone	0.040000	1726750	16.2	20.0		
20.57		355								
20.89		420								
20.99		475								
21.11		291								
21.16		303								
21.24		293								
21.36		408								
21.94	21.84 21.98	57029	1657019	Decachlorobiphenyl	0.040000	1425725	14.0	20.0		
22.21		325								
22.58		375								
22.76		477								
22.82		323								
22.85		551								
23.12		363								
23.58		290								
24.91		406								
25.28		454								

Data File: /chem/tracegc82.i/h100608c.b/035hSEQ-PEM3.d
Date : 09-JUN-2010 21:46
Client ID: PEMHH
Sample Info: SEQ-PEM3
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM3 Client Smp Id : PEMHH
Sample Type : SAMPLE Sublist : PEM
Inj Date : 09-JUN-2010 21:46 Inst ID : TRACEGC82
Operator : AHW
Method : /chem/tracegc82.i/h100608c.b/8081A_clpestv6.m
Misc. Info : PEMHH

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
0.38			366								
0.41			325								
0.63			382								
0.67			354								
0.74			360								
0.87			572								
1.04			729								
1.22			687								
1.25			774								
1.29			1640								
1.31			1412								
1.33			2351								
1.36			4599								
1.42			41786								
2.58			513								
7.14			380								
7.82			405								
8.77	8.69	8.83	51444	2301868	Tetrachloro-m-Xylene	0.022349	0.022349		112.9	43 - 135	
11.88			335								
14.86			583								
16.56	16.49	16.63	49183	2142524	Endrin	0.022955	0.022955	0.020000			
16.84			2130								
17.39	17.27	17.41	38584	2061735	4,4'-DDT	0.018714	0.018714	0.020000			J
18.00	17.93	18.07	681	1591159	Endrin Aldehyde	0.000428	0.000428	0.020000			J
18.57			391								
20.43			377								
21.54			428								
21.61			415								
21.94	21.84	21.98	57880	1657019	Decachlorobiphenyl	0.034930	0.034930		88.2	43 - 144	
22.75			365								
23.31			426								
24.11			344								
24.52			320								
25.32			353								
25.38			326								

AHW
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Data File: /chem/tracegc82.i/h100608c_2C.b/034hSEQ-CCV3.d

Date : 09-JUN-2010 21:17

Client ID:

Sample Info: SEQ-CCV3

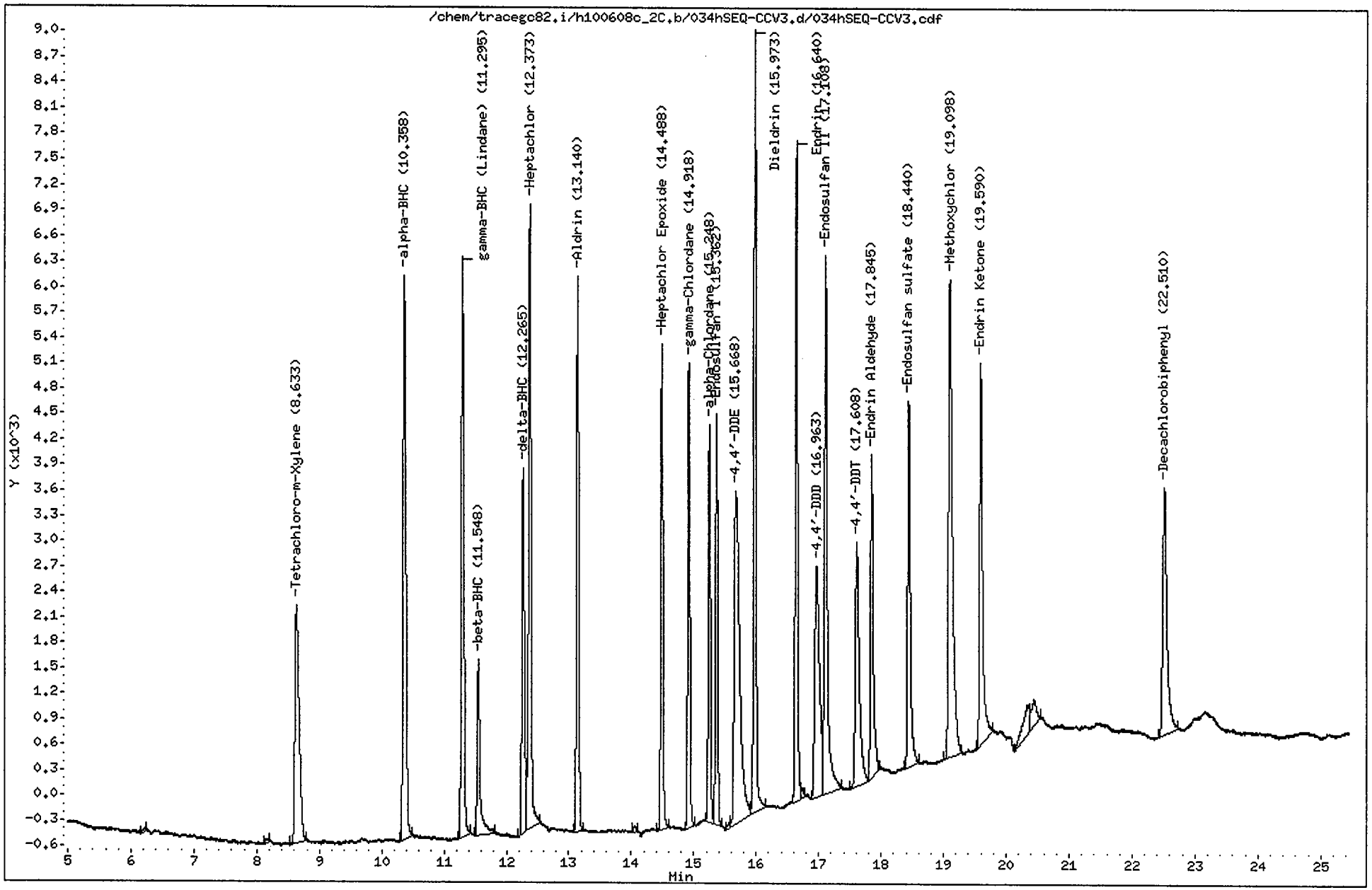
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc82.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV3 Client Smp Id :
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 09-JUN-2010 21:17 Inst ID : TRACEGC82
Operator : AHW
Method : /chem/tracegc82.i/h100608c_2C.b/8081A_clpest2v6.m
Misc. Info : None

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
0.05			289								
1.34			1478								
1.50			74933								
2.52			252								
6.19			169								
8.14			153								
8.63	8.56	8.70	13272	632710	Tetrachloro-m-Xylene	0.020000	663580	-4.9	20.0		
10.36	10.29	10.43	20864	1047682	alpha-BHC	0.020000	1043218	0.4	20.0		
11.30	11.23	11.37	18775	979802	gamma-BHC (Lindane)	0.020000	938735	4.2	20.0		
11.55	11.47	11.61	6700	386895	beta-BHC	0.020000	334990	13.4	20.0		
12.26	12.19	12.33	11720	905560	delta-BHC	0.020000	585975	35.3*	20.0	R	
12.37	12.31	12.45	20697	869920	Heptachlor	0.020000	1034832	-19.0	20.0		
13.14	13.07	13.21	15739	800938	Aldrin	0.020000	786945	1.7	20.0		
14.06			163								
14.49	14.42	14.56	13587	732520	Heptachlor Epoxide	0.020000	679340	7.3	20.0		
14.92	14.85	14.99	12839	732785	gamma-Chlordane	0.020000	641955	12.4	20.0		
15.25	15.18	15.32	10964	625690	alpha-Chlordane	0.020000	548208	12.4	20.0		
15.36	15.29	15.43	11382	671435	Endosulfan I	0.020000	569103	15.2	20.0		
15.56			144								
15.67	15.58	15.72	24374	628898	4,4'-DDE	0.040000	609342	3.1	20.0		
15.97	15.91	16.05	22804	620834	Dieldrin	0.040000	570109	8.2	20.0		
16.64	16.57	16.71	18944	524294	Endrin	0.040000	473591	9.7	20.0		
16.74			264								
16.96	16.85	16.99	14312	439472	4,4'-DDD	0.040000	357802	18.6	20.0		
17.11	17.04	17.18	20203	513939	Endosulfan II	0.040000	505069	1.7	20.0		
17.61	17.52	17.66	12555	475411	4,4'-DDT	0.040000	313875	34.0*	20.0	R	
17.84	17.77	17.91	11448	404378	Endrin Aldehyde	0.040000	286203	29.2*	20.0	R	
18.44	18.37	18.51	12946	448710	Endosulfan sulfate	0.040000	323645	27.9*	20.0	R	
19.10	19.00	19.14	24373	188748	Methoxychlor	0.200000	121867	35.4*	20.0	R	
19.59	19.52	19.66	14953	485871	Endrin Ketone	0.040000	373834	23.1*	20.0	R	
20.35			2771								
20.45			1740								
22.51	22.43	22.57	13385	423349	Decachlorobiphenyl	0.040000	334626	21.0*	20.0	R	

AHW
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Data File: /chem/tracegc82.i/h100608c_2C.b/035hSEQ-PEM3.d

Date : 09-JUN-2010 21:46

Client ID: PEMHH

Instrument: tracegc82.i

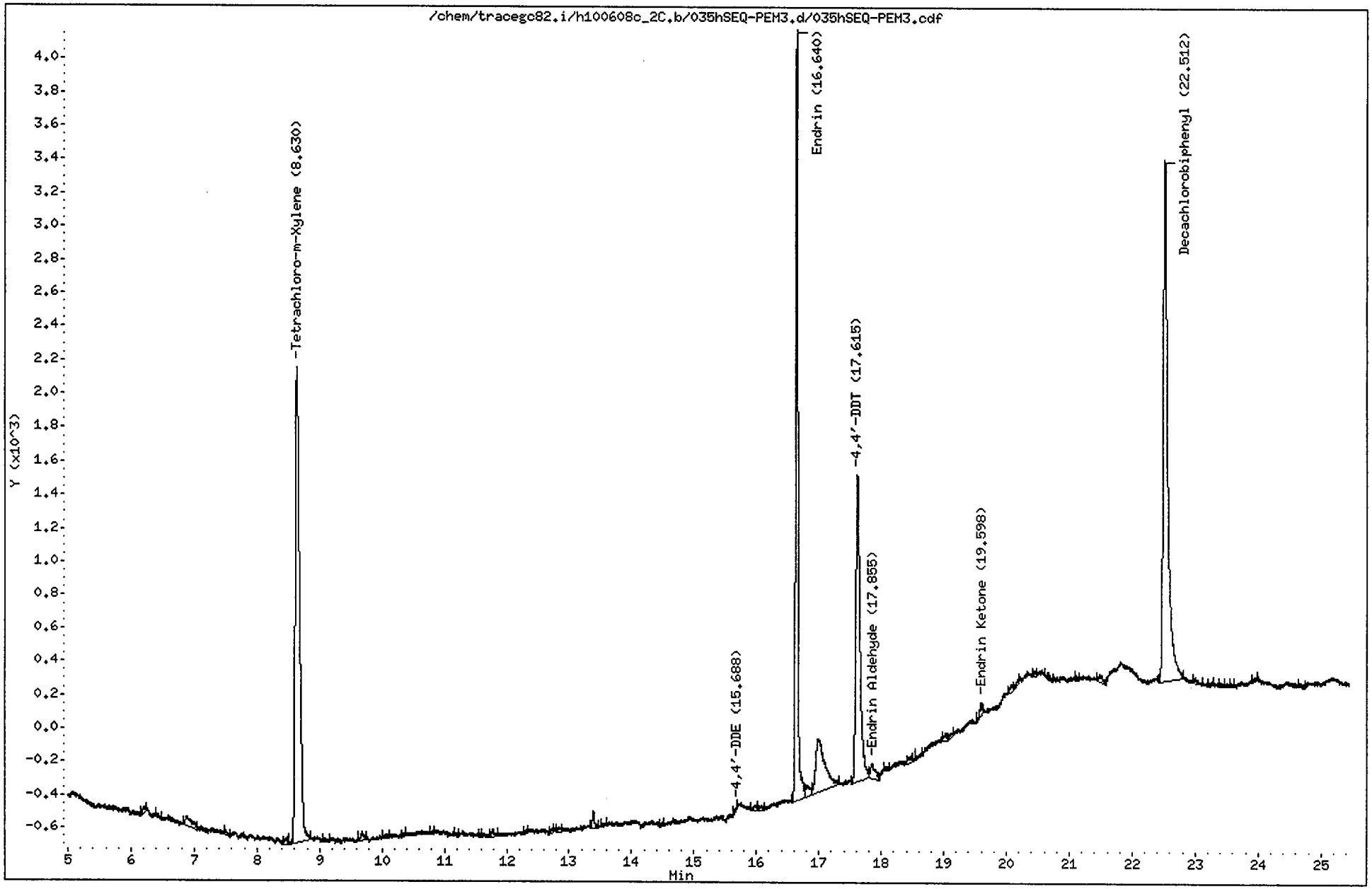
Sample Info: SEQ-PEM3

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM3 Client Smp Id : PEMHH
Sample Type : SAMPLE Sublist : PEM
Inj Date : 09-JUN-2010 21:46 Inst ID : TRACEGC82
Operator : AHW
Method : /chem/tracegc82.i/h100608c_2C.b/8081A_clpest2v6.m
Misc. Info : PEMHH

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
0.09			142								
0.41			305								
0.59			63								
0.68			85								
0.97			91								
1.05			825								
1.13			576								
1.21			1592								
1.34			4351								
1.48			74309								
2.54			508								
2.69			80								
3.84			335								
3.88			358								
6.20			106								
6.39			103								
6.88			444								
7.50			80								
8.44			117								
8.63	8.56	8.70	13985	632710	Tetrachloro-m-Xylene	0.022103	0.022103		111.6	43 - 135	
9.08			82								
9.69			180								
10.06			79								
10.36			70								
10.77			51								
11.17			62								
11.58			57								
11.78			149								
12.29			54								
12.73			56								
12.83			80								
13.39			295								
13.53			52								
14.49			61								
15.69	15.58	15.72	53	628898	4,4'-DDE	0.000084	0.000084	0.020000			J
15.98			111								
16.04			104								

AHW
6/10/10

CompuChem

Lab Smp Id : SEQ-PEM3 Client Smp Id : PEMHH
Sample Type : SAMPLE Sublist : PEM
Inj Date : 09-JUN-2010 21:46 Inst ID :
Operator : AHW
Method : /chem/tracegc82.i/h100608c_2C.b/8081A_clpest2v6.m
Misc. Info : PEMHH

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
16.64	16.57 16.71	11696	524294	Endrin	0.022307	0.022307	0.020000			
16.80		373								
17.00		3306								
17.62	17.52 17.66	8473	475411	4,4'-DDT	0.017823	0.017823	0.020000			J
17.86	17.77 17.91	436	404378	Endrin Aldehyde	0.001079	0.001079	0.020000			J
18.08		55								
18.45		124								
18.64		68								
19.04		126								
19.10		85								
19.60	19.52 19.66	249	485871	Endrin Ketone	0.000512	0.000512	0.020000			J
20.07		134								
20.19		109								
20.46		67								
20.61		54								
20.69		60								
21.10		54								
21.48		172								
22.51	22.43 22.57	15194	423349	Decachlorobiphenyl	0.035891	0.035891		90.6	43 - 144	
22.98		126								
23.23		78								
23.39		54								
23.58		51								
23.93		53								
24.66		86								

Data File: /chem/tracegc82.i/i100610.b/003i0F10017-PEM1.d

Date : 10-JUN-2010 17:29

Client ID: PEMIA

Instrument: tracegc82.i

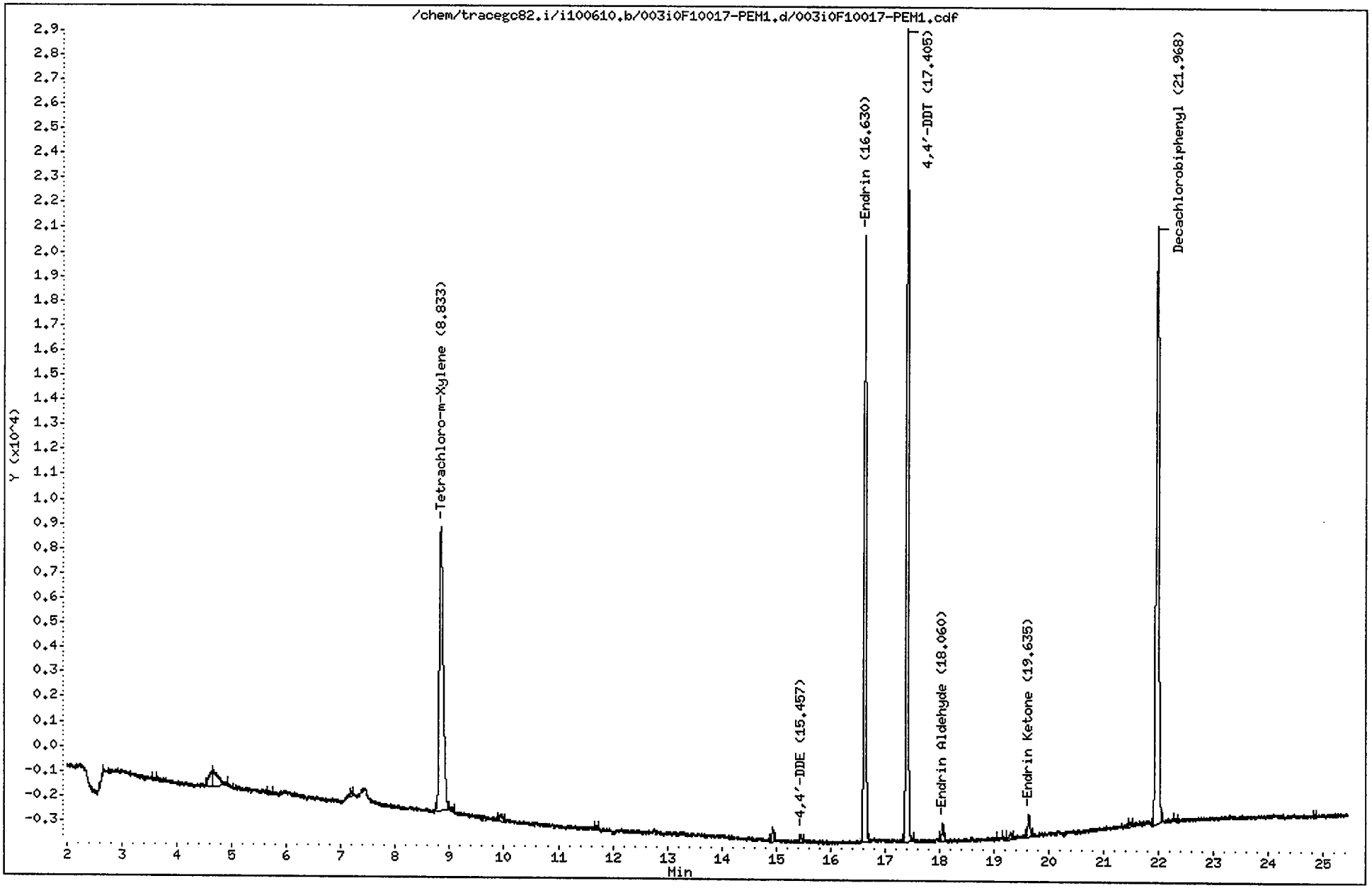
Sample Info: 0F10017-PEM1

Volume Injected (uL): 1.0

Operator: System

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0F10017-PEM1 Client Smp Id : PEMIA
Sample Type : SAMPLE Sublist : PEM
Inj Date : 10-JUN-2010 17:29 Inst ID : TRACEGC82
Operator : System
Method : /chem/tracegc82.i/i100610.b/8081A_clpestv6.m
Misc. Info : PEMIA

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
0.09		558								
0.36		323								
0.40		460								
0.45		677								
0.50		1282								
0.79		450								
1.05		760								
1.23		685								
1.28		1443								
1.39		11435								
1.44		48602								
2.65		593								
3.57		362								
4.61		2570								
4.66		4620								
5.70		514								
7.17		469								
8.83	8.77 8.91	56883	2945399	Tetrachloro-m-Xylene	0.019312	0.019312		97.5	43 - 135	
9.02		493								
9.93		1320								
11.70		440								
14.94		1334								
15.46	15.39 15.53	703	3488364	4,4'-DDE	0.000202	0.000202	0.020000			J
16.63	16.56 16.70	62289	2848850	Endrin	0.021865	0.021865	0.020000			
17.40	17.34 17.48	81548	2895586	4,4'-DDT	0.028163	0.028163	0.020000			
18.06	17.99 18.13	1845	2244869	Endrin Aldehyde	0.000822	0.000822	0.020000			J
19.08		380								
19.30		870								
19.64	19.57 19.71	2536	2916991	Endrin Ketone	0.000870	0.000870	0.020000			J
21.46		435								
21.97	21.90 22.04	87143	2320776	Decachlorobiphenyl	0.037549	0.037549		94.8	43 - 144	
22.29		494								
24.85		339								

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Data File: /chem/tracegc82.i/i100610.b/004i0F10017-CAL1.d

Page 1

Date : 10-JUN-2010 17:58

Client ID: INDC1IA

Instrument: tracegc82.i

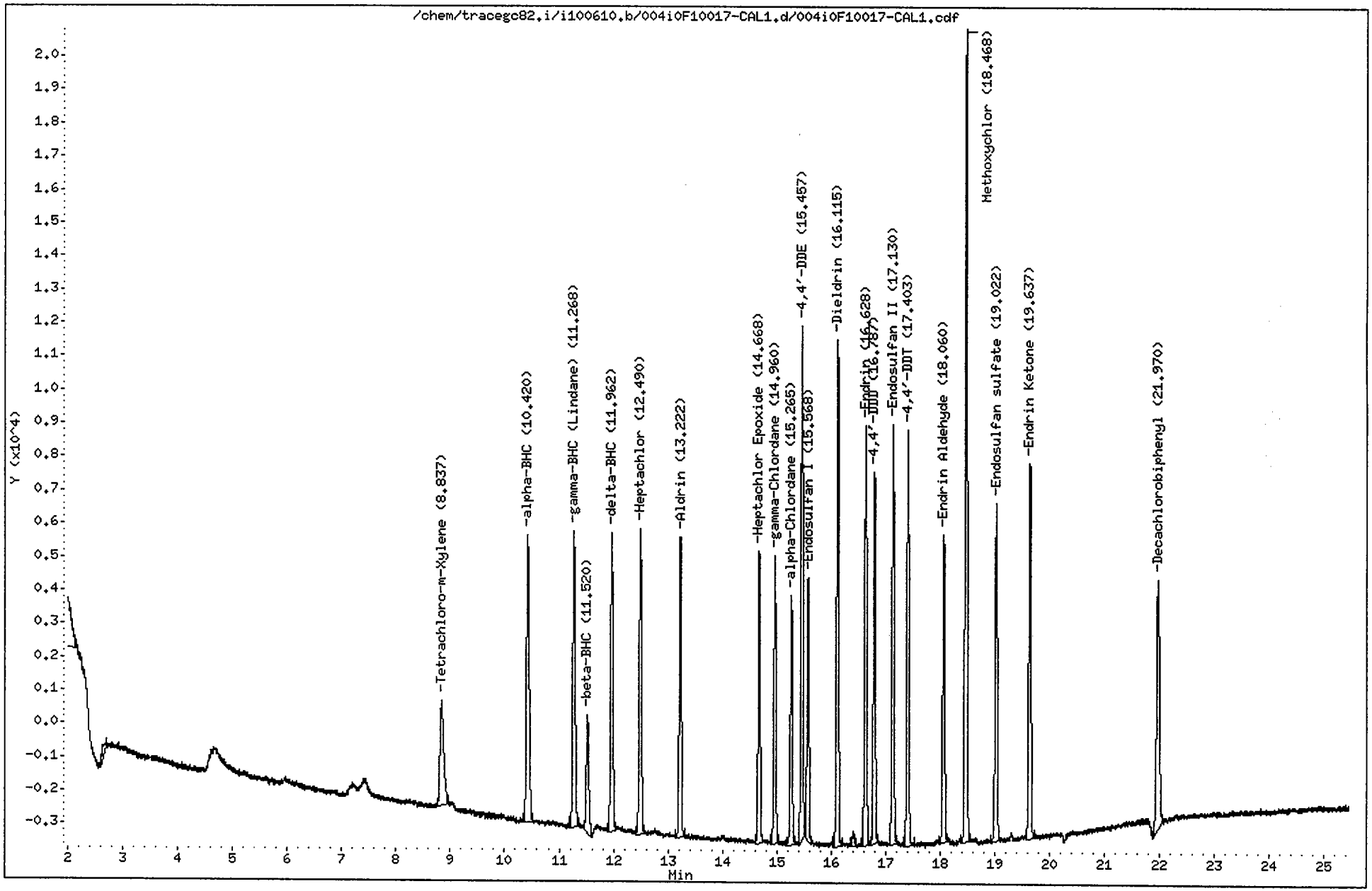
Sample Info: 0F10017-CAL1

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0F10017-CAL1 Client Smp Id : INDC1IA
Sample Type : INITIAL CAL: Level 1 Sublist : INDA
Inj Date : 10-JUN-2010 17:58 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610.b/8081A_clpestv6.m
Misc. Info : INDC1IA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.39			3934					
1.49			444500					
2.67			1230					
8.84	8.77	8.91	14902	2945399	Tetrachloro-m-Xylene	0.005000	2980200	
10.42	10.35	10.49	29036	5709948	alpha-BHC	0.005000	5807200	
11.27	11.20	11.34	26759	5248525	gamma-BHC (Lindane)	0.005000	5351600	
11.52	11.45	11.59	10812	1878412	beta-BHC	0.005000	2162400	
11.96	11.90	12.04	25328	4983578	delta-BHC	0.005000	5065600	
12.49	12.42	12.56	25736	4844272	Heptachlor	0.005000	5147200	
13.22	13.15	13.29	23837	4480730	Aldrin	0.005000	4767200	
14.67	14.60	14.74	21676	4017505	Heptachlor Epoxide	0.005000	4335000	
14.96	14.89	15.03	21491	4028032	gamma-Chlordane	0.005000	4298200	
15.26	15.20	15.34	18820	3452365	alpha-Chlordane	0.005000	3763800	
15.46	15.39	15.53	36184	3488364	4,4'-DDE	0.010000	3618400	
15.57	15.50	15.64	19363	3581308	Endosulfan I	0.005000	3872600	
16.12	16.05	16.19	38325	3622591	Dieldrin	0.010000	3832500	
16.41			1080					
16.63	16.56	16.70	32070	2848850	Endrin	0.010000	3207000	
16.79	16.72	16.86	27076	2594562	4,4'-DDD	0.010000	2707500	
17.13	17.07	17.21	31459	2950278	Endosulfan II	0.010000	3145800	
17.40	17.34	17.48	30690	2895586	4,4'-DDT	0.010000	3069000	
18.06	17.99	18.13	23675	2244869	Endrin Aldehyde	0.010000	2367400	
18.47	18.40	18.54	62470	1161132	Methoxychlor	0.050000	1249400	
19.02	18.95	19.09	26236	2454690	Endosulfan sulfate	0.010000	2623500	
19.64	19.57	19.71	30714	2916991	Endrin Ketone	0.010000	3071300	
21.97	21.90	22.04	26673	2320776	Decachlorobiphenyl	0.010000	2667200	

Data File: /chem/tracegc82.i/i100610.b/005i0F10017-CAL2.d

Date : 10-JUN-2010 18:28

Client ID: INDC2IA

Instrument: tracegc82.i

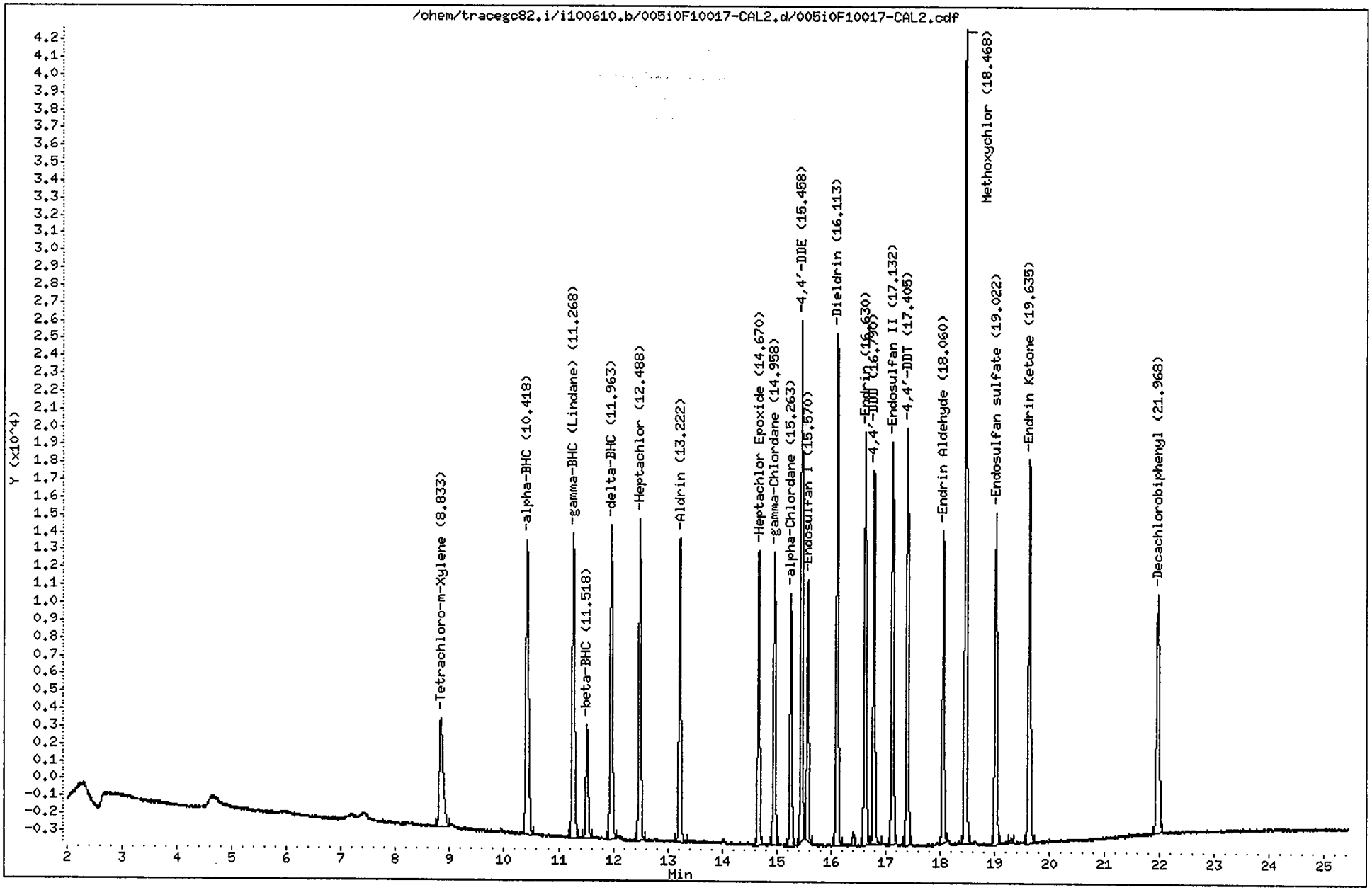
Sample Info: 0F10017-CAL2

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0F10017-CAL2 Client Smp Id : INDC2IA
Sample Type : INITIAL CAL: Level 2 Sublist : INDA
Inj Date : 10-JUN-2010 18:28 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610.b/8081A_clpestv6.m
Misc. Info : INDC2IA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.39			10740					
1.43			24879					
8.83	8.77	8.91	31379	2945399	Tetrachloro-m-Xylene	0.010000	3137900	
10.42	10.35	10.49	57911	5709948	alpha-BHC	0.010000	5791000	
11.27	11.20	11.34	53284	5248525	gamma-BHC (Lindane)	0.010000	5328300	
11.52	11.45	11.59	19139	1878412	beta-BHC	0.010000	1913900	
11.96	11.90	12.04	50339	4983578	delta-BHC	0.010000	5033800	
12.49	12.42	12.56	49962	4844272	Heptachlor	0.010000	4996200	
13.22	13.15	13.29	46378	4480730	Aldrin	0.010000	4637800	
14.67	14.60	14.74	41740	4017505	Heptachlor Epoxide	0.010000	4173900	
14.96	14.89	15.03	42657	4028032	gamma-Chlordane	0.010000	4265700	
15.26	15.20	15.34	35824	3452365	alpha-Chlordane	0.010000	3582400	
15.46	15.39	15.53	70027	3488364	4,4'-DDE	0.020000	3501300	
15.57	15.50	15.64	37013	3581308	Endosulfan I	0.010000	3701200	
16.11	16.05	16.19	73722	3622591	Dieldrin	0.020000	3686100	
16.41			1863					
16.63	16.56	16.70	59292	2848850	Endrin	0.020000	2964550	
16.79	16.72	16.86	52865	2594562	4,4'-DDD	0.020000	2643250	
17.13	17.07	17.21	59341	2950278	Endosulfan II	0.020000	2967000	
17.40	17.34	17.48	58407	2895586	4,4'-DDT	0.020000	2920300	
18.06	17.99	18.13	45458	2244869	Endrin Aldehyde	0.020000	2272900	
18.47	18.40	18.54	117706	1161132	Methoxychlor	0.100000	1177050	
19.02	18.95	19.09	50391	2454690	Endosulfan sulfate	0.020000	2519550	
19.30			934					
19.64	19.57	19.71	59615	2916991	Endrin Ketone	0.020000	2980750	
21.97	21.90	22.04	48177	2320776	Decachlorobiphenyl	0.020000	2408850	

Data File: /chem/tracegc82.i/i100610.b/006i0F10017-CAL3.d

Page 1

Date : 10-JUN-2010 18:57

Client ID: INDC3IA

Instrument: tracegc82.i

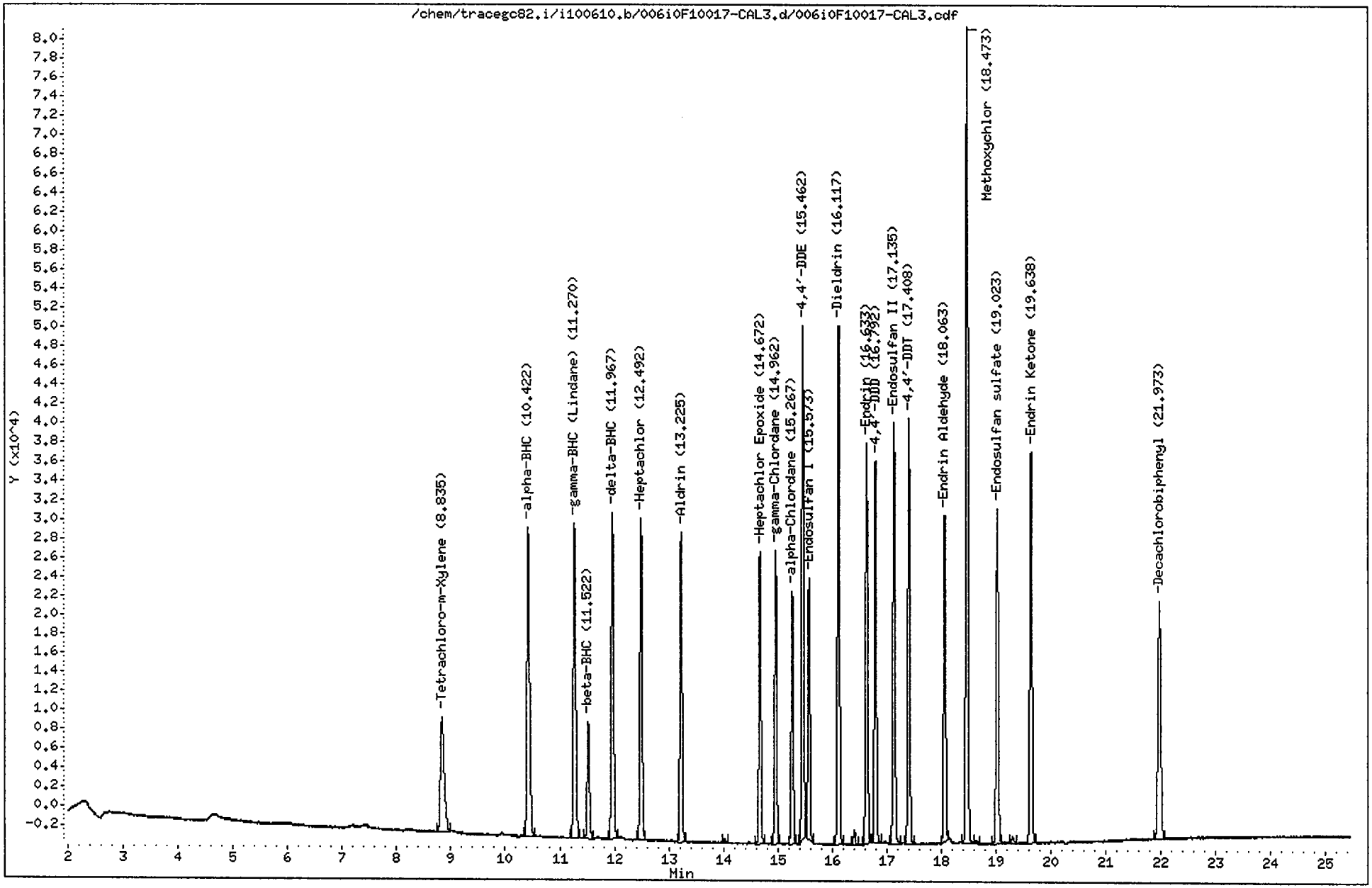
Sample Info: 0F10017-CAL3

Volume Injected (uL): 1.0

Operator: System

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0F10017-CAL3 Client Smp Id : INDC3IA
Sample Type : INITIAL CAL: Level 3 Sublist : INDA
Inj Date : 10-JUN-2010 18:57 Inst ID : TRACEGC82
Operator : System
Method : /chem/tracegc82.i/i100610.b/8081A_clpestv6.m
Misc. Info : INDC3IA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.39			4919					
1.45			36316					
8.84	8.77	8.91	57060	2945399	Tetrachloro-m-Xylene	0.020000	2852950	
10.42	10.35	10.49	109089	5709948	alpha-BHC	0.020000	5454450	
11.27	11.20	11.34	99947	5248525	gamma-BHC (Lindane)	0.020000	4997350	
11.52	11.45	11.59	35346	1878412	beta-BHC	0.020000	1767300	
11.97	11.90	12.04	95189	4983578	delta-BHC	0.020000	4759400	
12.49	12.42	12.56	92375	4844272	Heptachlor	0.020000	4618700	
13.22	13.15	13.29	85462	4480730	Aldrin	0.020000	4273100	
14.03			1076					
14.67	14.60	14.74	77058	4017505	Heptachlor Epoxide	0.020000	3852850	
14.96	14.89	15.03	76168	4028032	gamma-Chlordane	0.020000	3808400	
15.27	15.20	15.34	66056	3452365	alpha-Chlordane	0.020000	3302800	
15.46	15.39	15.53	131557	3488364	4,4'-DDE	0.040000	3288900	
15.57	15.50	15.64	68592	3581308	Endosulfan I	0.020000	3429550	
16.12	16.05	16.19	138468	3622591	Dieldrin	0.040000	3461700	
16.41			3710					
16.63	16.56	16.70	106738	2848850	Endrin	0.040000	2668425	
16.79	16.72	16.86	98315	2594562	4,4'-DDD	0.040000	2457875	
17.14	17.07	17.21	113618	2950278	Endosulfan II	0.040000	2840450	
17.41	17.34	17.48	109415	2895586	4,4'-DDT	0.040000	2735375	
18.06	17.99	18.13	88630	2244869	Endrin Aldehyde	0.040000	2215750	
18.47	18.40	18.54	221488	1161132	Methoxychlor	0.200000	1107440	
18.65			1092					
19.02	18.95	19.09	94087	2454690	Endosulfan sulfate	0.040000	2352150	
19.31			1768					
19.64	19.57	19.71	112462	2916991	Endrin Ketone	0.040000	2811550	
21.97	21.90	22.04	88739	2320776	Decachlorobiphenyl	0.040000	2218475	

Data File: /chem/tracegc82.i/i100610.b/007i0F10017-CAL4.d

Page 1

Date : 10-JUN-2010 19:26

Client ID: INDC4IA

Instrument: tracegc82.i

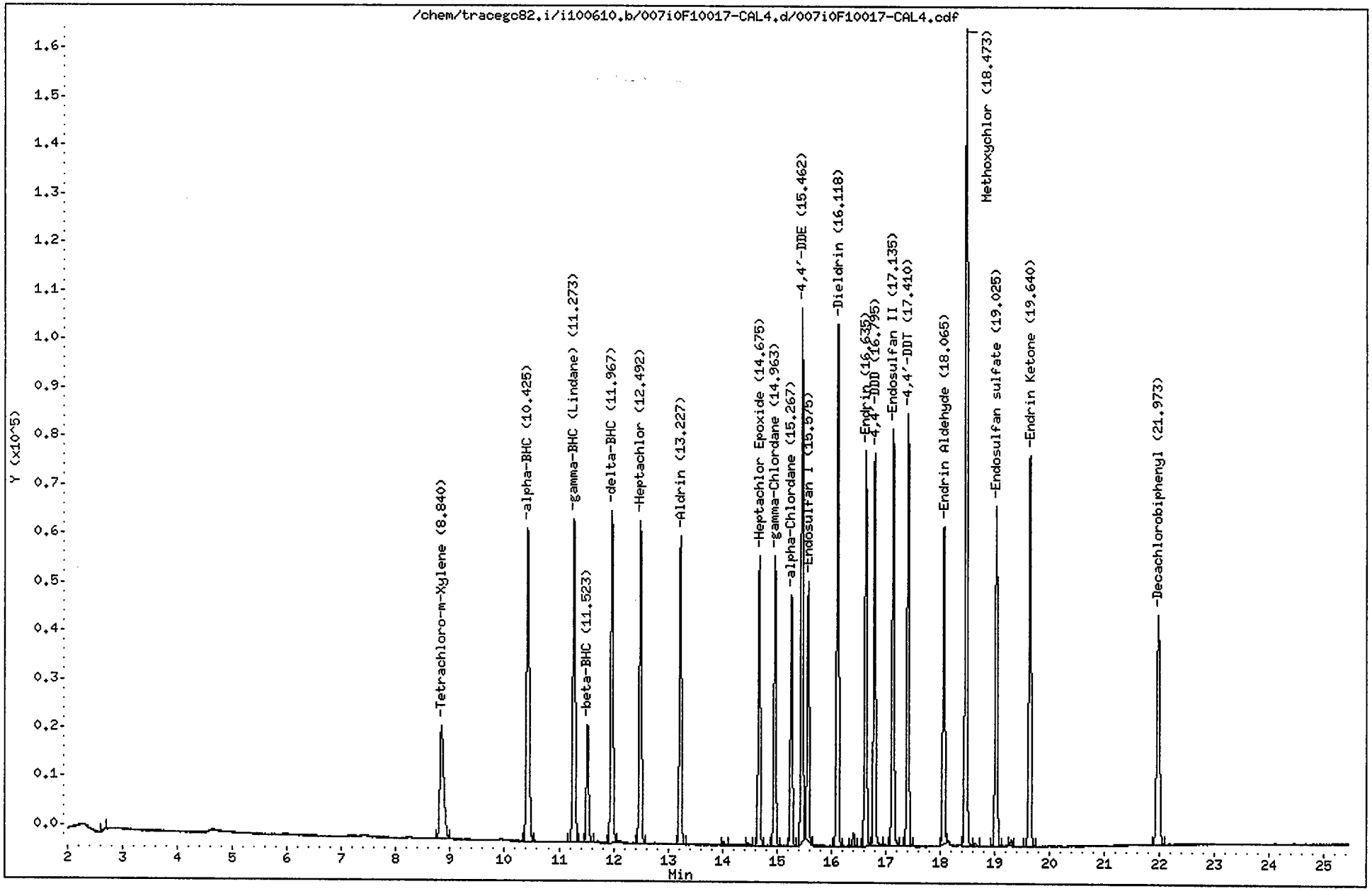
Sample Info: 0F10017-CAL4

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0F10017-CAL4 Client Smp Id : INDC4IA
Sample Type : INITIAL CAL: Level 4 Sublist : INDA
Inj Date : 10-JUN-2010 19:26 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610.b/8081A_clpestv6.m
Misc. Info : INDC4IA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.39			5493					
1.45			29250					
2.69			996					
8.84	8.77	8.91	113752	2945399	Tetrachloro-m-Xylene	0.040000	2843800	
10.42	10.35	10.49	222153	5709948	alpha-BHC	0.040000	5553800	
11.27	11.20	11.34	203811	5248525	gamma-BHC (Lindane)	0.040000	5095275	
11.52	11.45	11.59	70308	1878412	beta-BHC	0.040000	1757700	
11.97	11.90	12.04	194109	4983578	delta-BHC	0.040000	4852725	
12.49	12.42	12.56	184581	4844272	Heptachlor	0.040000	4614525	
13.23	13.15	13.29	170139	4480730	Aldrin	0.040000	4253475	
14.02			2075					
14.47			1377					
14.68	14.60	14.74	151868	4017505	Heptachlor Epoxide	0.040000	3796700	
14.96	14.89	15.03	152042	4028032	gamma-Chlordane	0.040000	3801050	
15.27	15.20	15.34	130066	3452365	alpha-Chlordane	0.040000	3251650	
15.46	15.39	15.53	267598	3488364	4,4'-DDE	0.080000	3344963	
15.58	15.50	15.64	135053	3581308	Endosulfan I	0.040000	3376325	
16.12	16.05	16.19	278901	3622591	Dieldrin	0.080000	3486250	
16.41			6818					
16.64	16.56	16.70	209748	2848850	Endrin	0.080000	2621837	
16.80	16.72	16.86	200216	2594562	4,4'-DDD	0.080000	2502700	
17.14	17.07	17.21	226361	2950278	Endosulfan II	0.080000	2829513	
17.41	17.34	17.48	221438	2895586	4,4'-DDT	0.080000	2767975	
18.06	17.99	18.13	170931	2244869	Endrin Aldehyde	0.080000	2136625	
18.47	18.40	18.54	446296	1161132	Methoxychlor	0.400000	1115737	
18.66			1920					
19.02	18.95	19.09	186320	2454690	Endosulfan sulfate	0.080000	2328987	
19.31			3289					
19.64	19.57	19.71	223834	2916991	Endrin Ketone	0.080000	2797913	
21.97	21.90	22.04	170397	2320776	Decachlorobiphenyl	0.080000	2129963	

Data File: /chem/tracegc82.i/i100610.b/008i0F10017-CAL5.d

Date : 10-JUN-2010 19:55

Client ID: INDC5IA

Instrument: tracegc82.i

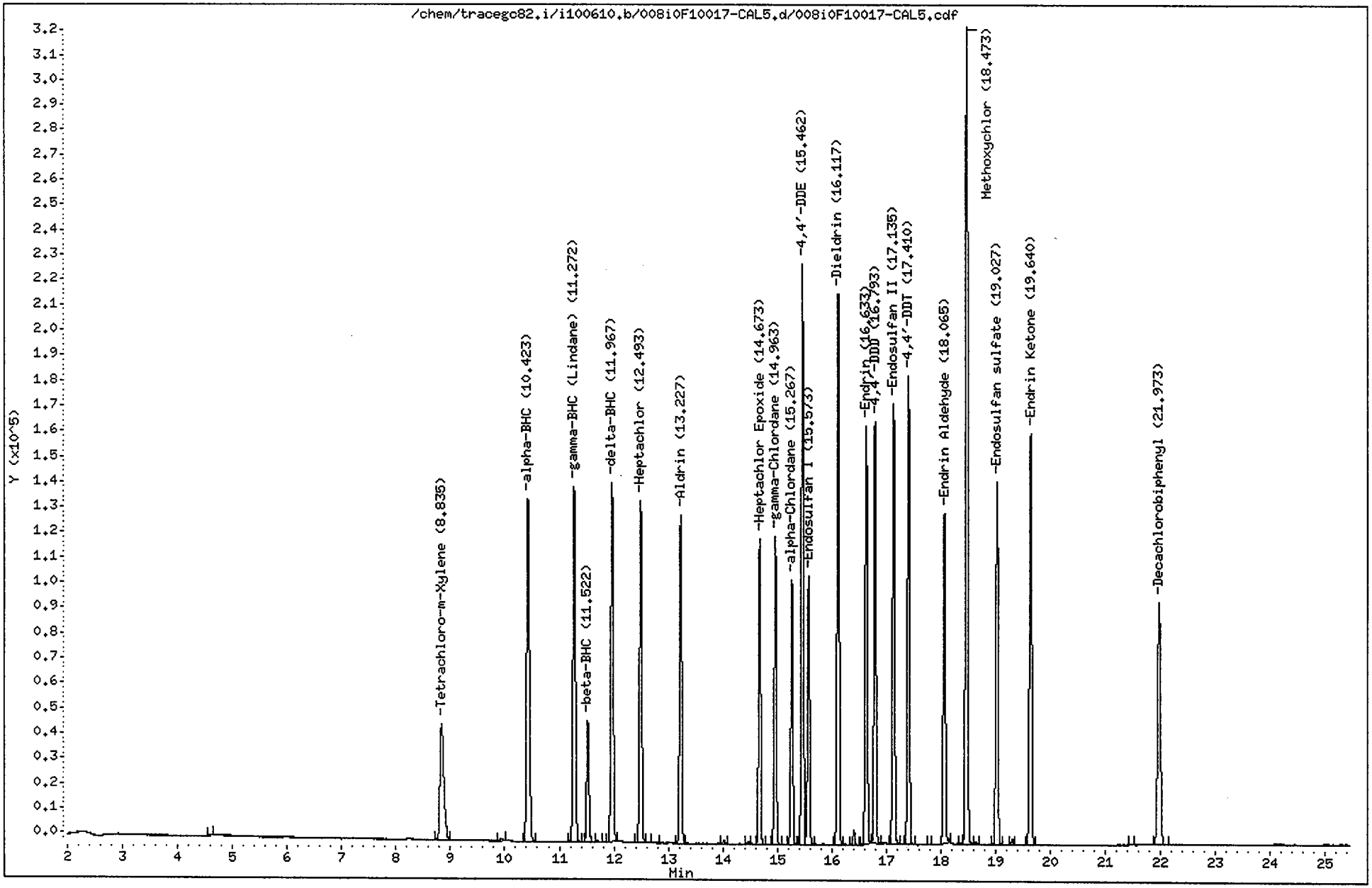
Sample Info: 0F10017-CAL5

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0F10017-CAL5 Client Smp Id : INDC5IA
Sample Type : INITIAL CAL: Level 5 Sublist : INDA
Inj Date : 10-JUN-2010 19:55 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610.b/8081A_clpestv6.m
Misc. Info : INDC5IA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.30			2570					
1.39			9129					
1.45			40342					
4.61			1073					
8.84	8.77	8.91	232971	2945399	Tetrachloro-m-Xylene	0.080000	2912137	
9.94			3472					
10.42	10.35	10.49	475464	5709948	alpha-BHC	0.080000	5943287	
11.27	11.20	11.34	437609	5248525	gamma-BHC (Lindane)	0.080000	5470100	
11.52	11.45	11.59	143262	1878412	beta-BHC	0.080000	1790763	
11.71			1611					
11.97	11.90	12.04	416509	4983578	delta-BHC	0.080000	5206363	
12.49	12.42	12.56	387580	4844272	Heptachlor	0.080000	4844737	
12.76			1450					
13.23	13.15	13.29	357766	4480730	Aldrin	0.080000	4472075	
14.02			3905					
14.47			2092					
14.67	14.60	14.74	314326	4017505	Heptachlor Epoxide	0.080000	3929075	
14.96	14.89	15.03	317346	4028032	gamma-Chlordane	0.080000	3966813	
15.27	15.20	15.34	268894	3452365	alpha-Chlordane	0.080000	3361175	
15.46	15.39	15.53	590121	3488364	4,4'-DDE	0.160000	3688256	
15.57	15.50	15.64	282150	3581308	Endosulfan I	0.080000	3526863	
16.12	16.05	16.19	583425	3622591	Dieldrin	0.160000	3646406	
16.41			14726					
16.63	16.56	16.70	445191	2848850	Endrin	0.160000	2782437	
16.79	16.72	16.86	425839	2594562	4,4'-DDD	0.160000	2661487	
17.14	17.07	17.21	474981	2950278	Endosulfan II	0.160000	2968625	
17.28			877					
17.41	17.34	17.48	477645	2895586	4,4'-DDT	0.160000	2985281	
17.80			951					
18.06	17.99	18.13	357067	2244869	Endrin Aldehyde	0.160000	2231669	
18.35			967					
18.47	18.40	18.54	924825	1161132	Methoxychlor	0.800000	1156031	
18.65			3214					
19.03	18.95	19.09	391883	2454690	Endosulfan sulfate	0.160000	2449263	
19.31			6076					
19.64	19.57	19.71	467751	2916991	Endrin Ketone	0.160000	2923444	
21.47			1065					
21.97	21.90	22.04	348703	2320776	Decachlorobiphenyl	0.160000	2179394	

Data File: /chem/tracegc82.i/i100610.b/009i0F10017-ARC1.d

Page 1

Date : 10-JUN-2010 20:24

Client ID: TOXAPH3IA

Instrument: tracegc82.i

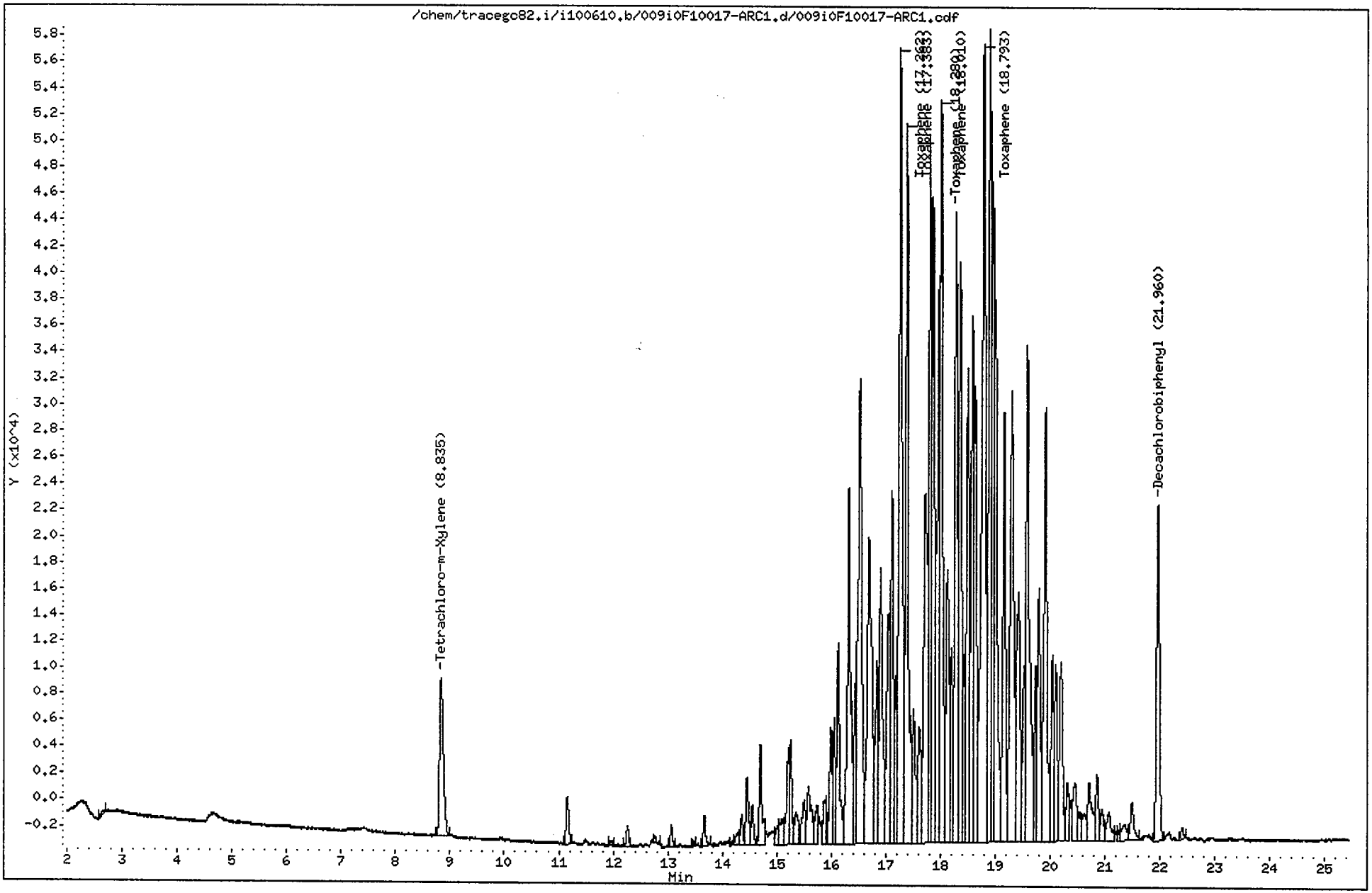
Sample Info: 0F10017-ARC1

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0F10017-ARC1 Client Smp Id : TOXAPH3IA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 10-JUN-2010 20:24 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610.b/8081A_clpestv6.m
Misc. Info : TOXAPH3IA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.05		981					
1.38		5724					
1.45		27114					
2.65		1376					
8.84	8.77 8.91	58919	2945399	Tetrachloro-m-Xylene	0.020000	2852950	
11.16		11753					
11.96		1136					
12.26		4341					
12.76		1945					
13.06		4220					
13.46		1075					
13.67		7119					
14.18		812					
14.26		3883					
14.36		6913					
14.45		18616					
14.55		8939					
14.69		26165					
15.01		5129					
15.06		9960					
15.20		23135					
15.25		23921					
15.35		11364					
15.50		15050					
15.58		23507					
15.73		11878					
15.87		11823					
15.99		28785					
16.05		25882					
16.12		54688					
16.32		115312					
16.44		29668					
16.52		176683					
16.69		136294					
16.83		52267					
16.90		84058					
17.04		69150					
17.11		96926					
17.19		28164					
17.26	17.19 17.33	257807	128904	Toxaphene Peak 1	2.000000	128903	M2
17.38	17.31 17.45	187678	93839	Toxaphene Peak 2	2.000000	93839	M2
17.51		41281					

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CompuChem

Lab Smp Id : 0F10017-ARC1 Client Smp Id : TOXAPH3IA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 10-JUN-2010 20:24 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610.b/8081A_clpestv6.m
Misc. Info : TOXAPH3IA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
17.61		36594					
17.72		122060					
17.81		157111					
17.86		155702					
17.97		144885					
18.01	17.94 18.08	186039	93019	Toxaphene Peak 3	2.000000	93019	
18.12		86053					
18.20		45038					
18.28	18.21 18.35	155304	77652	Toxaphene Peak 4	2.000000	77652	
18.36		168506					
18.44		31776					
18.50		120885					
18.58		137163					
18.63		108935					
18.79	18.72 18.86	287012	143506	Toxaphene Peak 5	2.000000	143505	
18.90		225446					
18.96		138855					
19.00		133516					
19.16		114278					
19.30		162869					
19.43		96645					
19.52		34303					
19.58		167333					
19.74		39776					
19.80		68924					
19.91		132835					
20.04		47378					
20.11		45652					
20.20		55867					
20.31		14868					
20.46		23167					
20.53		8025					
20.61		10085					
20.71		24422					
20.86		18756					
20.95		9400					
21.07		11382					
21.27		2581					
21.36		8188					
21.49		12672					
21.96	21.90 22.04	92752	2320776	Decachlorobiphenyl	0.040000	2218475	
22.39		2983					

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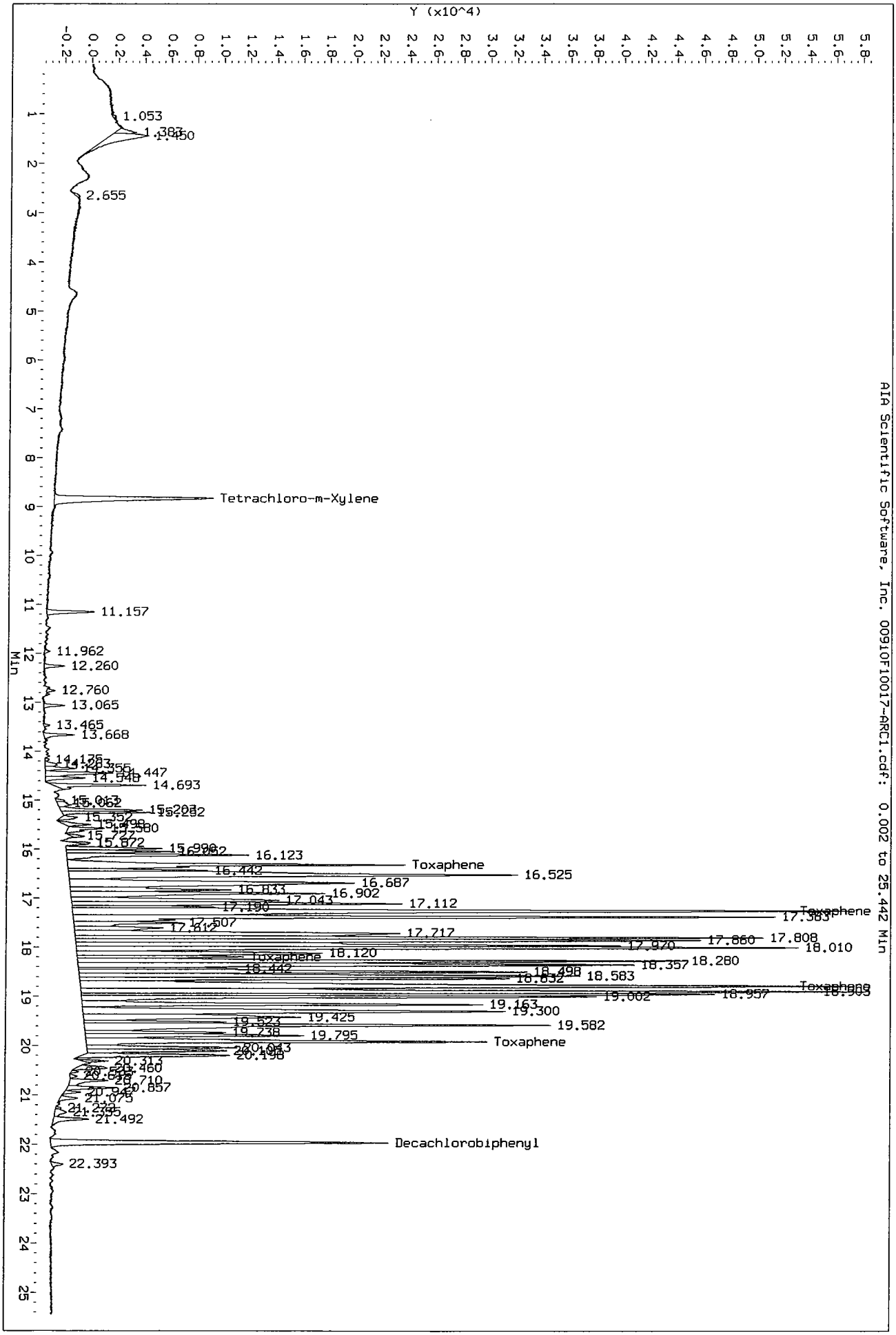
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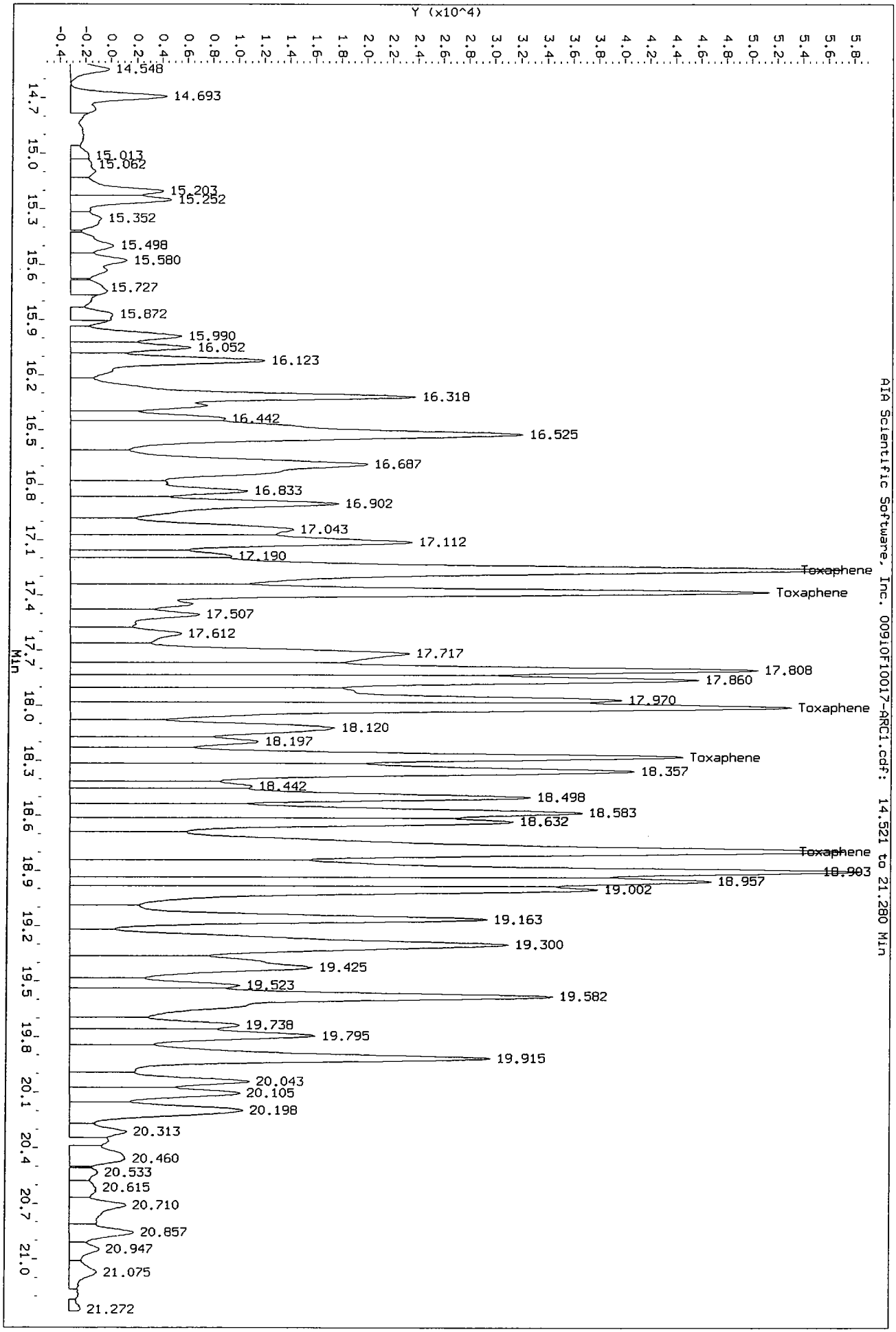
Injection Date: 10-JUN-2010 20:24
Instrument: tracegc82.i
Client Sample ID: TOXAPH3IA
Y (x10^4)
Min
AIA Scientific Software, Inc. 0091OF10017-ARC1.cdf: 0.002 to 25.442 Min
1.053
1.387
1.450
2.655
Tetrachloro-m-Xylene
11.157
11.962
12.260
12.760
13.065
13.465
13.668
14.693
16.123
Toxaphene
16.442
16.525
16.687
16.902
17.043
17.112
17.190
17.383
17.507
17.612
17.717
17.808
17.860
17.970
18.010
Toxaphene
18.120
18.280
18.357
18.442
18.498
18.583
18.652
Toxaphene
18.903
18.957
19.002
19.163
19.300
19.425
19.523
19.582
19.795
Toxaphene
Decachlorobiphenyl
22.393


Data File: /chem/tracegc82.i/1100610.b/009i0F10017-ARC1.d/009i0F10017-ARC1.cdf
Injection Date: 10-JUN-2010 20:24
Instrument: tracegc82.i
Client Sample ID: TOXAPH3IA
Y (x10^4)
AIA Scientific Software, Inc. 009i0F10017-ARC1.cdf: 14.521 to 21.280 Min
Min
14.548
14.693
15.013
15.062
15.203
15.252
15.352
15.498
15.580
15.727
15.872
15.990
16.052
16.123
16.318
16.442
16.525
16.687
16.833
16.902
17.043
17.112
17.190
Toxaphene
Toxaphene
17.507
17.612
17.717
17.808
17.860
17.970
Toxaphene
18.120
18.197
Toxaphene
18.357
18.442
18.498
18.583
18.632
Toxaphene
18.903
18.957
19.002
19.163
19.300
19.425
19.523
19.582
19.738
19.795
19.915
20.043
20.105
20.198
20.313
20.460
20.533
20.615
20.710
20.857
20.947
21.075
21.272

Data File: /chem/tracegc82.i/i100610.b/010i0F10017-ARC2.d

Page 1

Date : 10-JUN-2010 20:53

Client ID: CHLORO3IA

Instrument: tracegc82.i

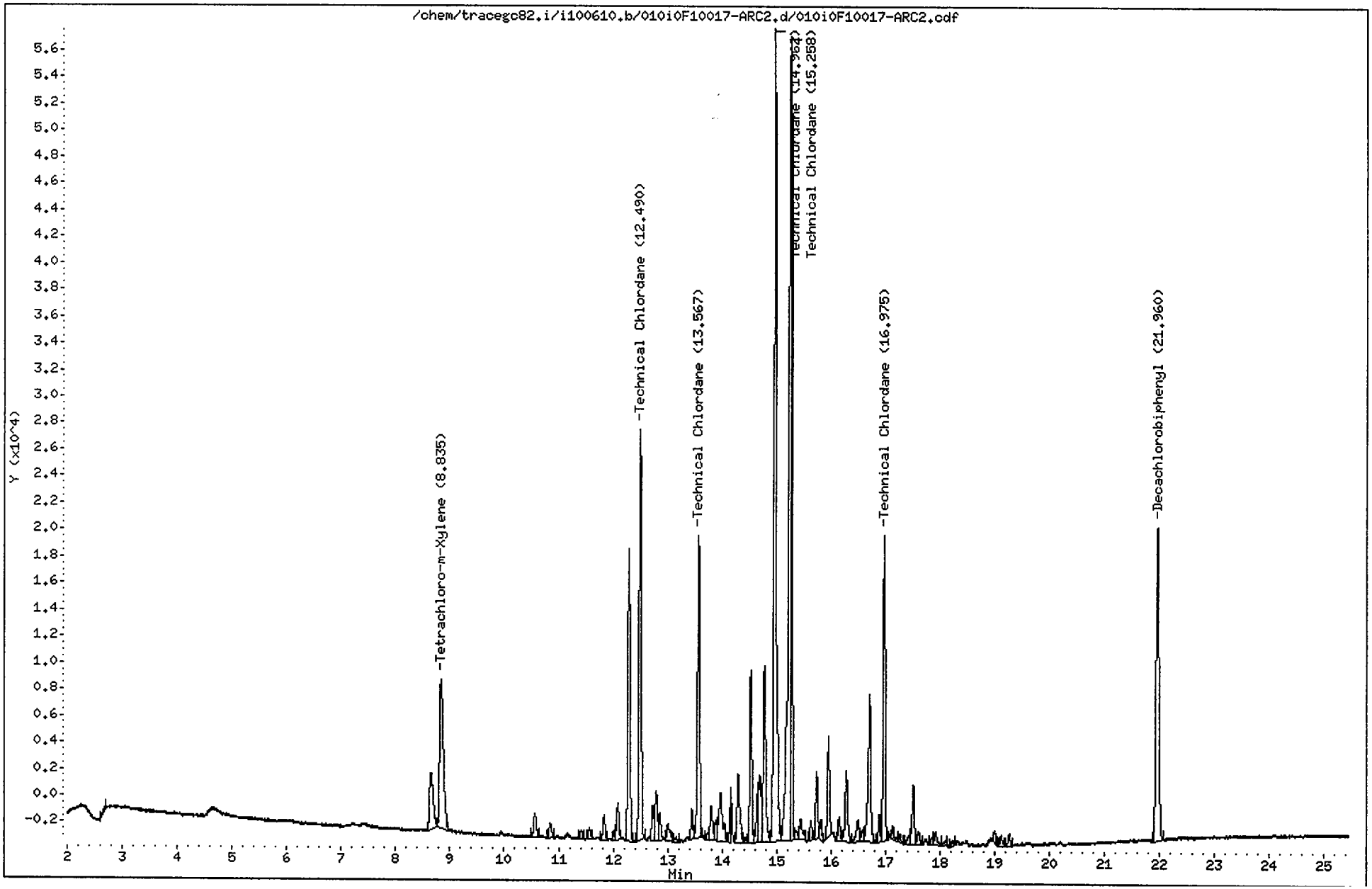
Sample Info: 0F10017-ARC2

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0F10017-ARC2 Client Smp Id : CHLORO3IA
Sample Type : INITIAL CAL: Level 3 Sublist : TechChlor
Inj Date : 10-JUN-2010 20:53 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610.b/8081A_clpestv6.m
Misc. Info : CHLORO3IA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.37		10254					
1.43		16705					
2.68		1052					
8.65		20267					
8.84	8.77 8.91	53563	2945399	Tetrachloro-m-Xylene	0.020000	2852950	
10.56		5897					
10.84		3285					
11.40		1914					
11.56		2284					
11.83		5166					
12.02		1781					
12.08		7515					
12.29		60923					
12.49	12.42 12.56	83633	209082	TechnicalChlordane Peak 1	0.400000	209083	
12.72		7175					
12.79		11055					
12.85		6149					
13.00		4433					
13.15		1091					
13.44		5321					
13.57	13.50 13.64	63411	158528	TechnicalChlordane Peak 2	0.400000	158527	
13.74		1378					
13.79		8033					
13.87		4191					
13.96		17307					
14.16		5350					
14.29		17729					
14.42		986					
14.53		32893					
14.65		11305					
14.69		15612					
14.77		41622					
14.96	14.89 15.03	185407	463518	TechnicalChlordane Peak 3	0.400000	463517	
15.25		158144					
15.26	15.19 15.33	126792	316978	TechnicalChlordane Peak 4	0.400000	316977	
15.36		1801					
15.45		5493					
15.63		2961					
15.74		13158					
15.81		3369					
15.95		20409					
16.15		4739					

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CompuChem

Lab Smp Id : 0F10017-ARC2 Client Smp Id : CHLORO3IA
Sample Type : INITIAL CAL: Level 3 Sublist : TechChlor
Inj Date : 10-JUN-2010 20:53 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610.b/8081A_clpestv6.m
Misc. Info : CHLORO3IA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
16.28		17311					
16.50		5936					
16.57		2293					
16.71		36727					
16.89		4669					
16.98	16.91 17.05	57227	143068	TechnicalChlordane Peak 5	0.400000	143067	
17.14		2616					
17.26		1656					
17.43		1687					
17.51		13193					
17.60		3196					
17.85		1510					
17.92		3221					
18.07		881					
18.23		970					
19.00		2001					
19.11		2325					
19.27		2455					
21.96	21.90 22.04	84397	2320776	Decachlorobiphenyl	0.040000	2218475	

Data File: /chem/tracegc82.i/i100610.b/011i0F10017-SCV1.d

Date : 10-JUN-2010 21:22

Client ID: PESTCHKIA

Instrument: tracegc82.i

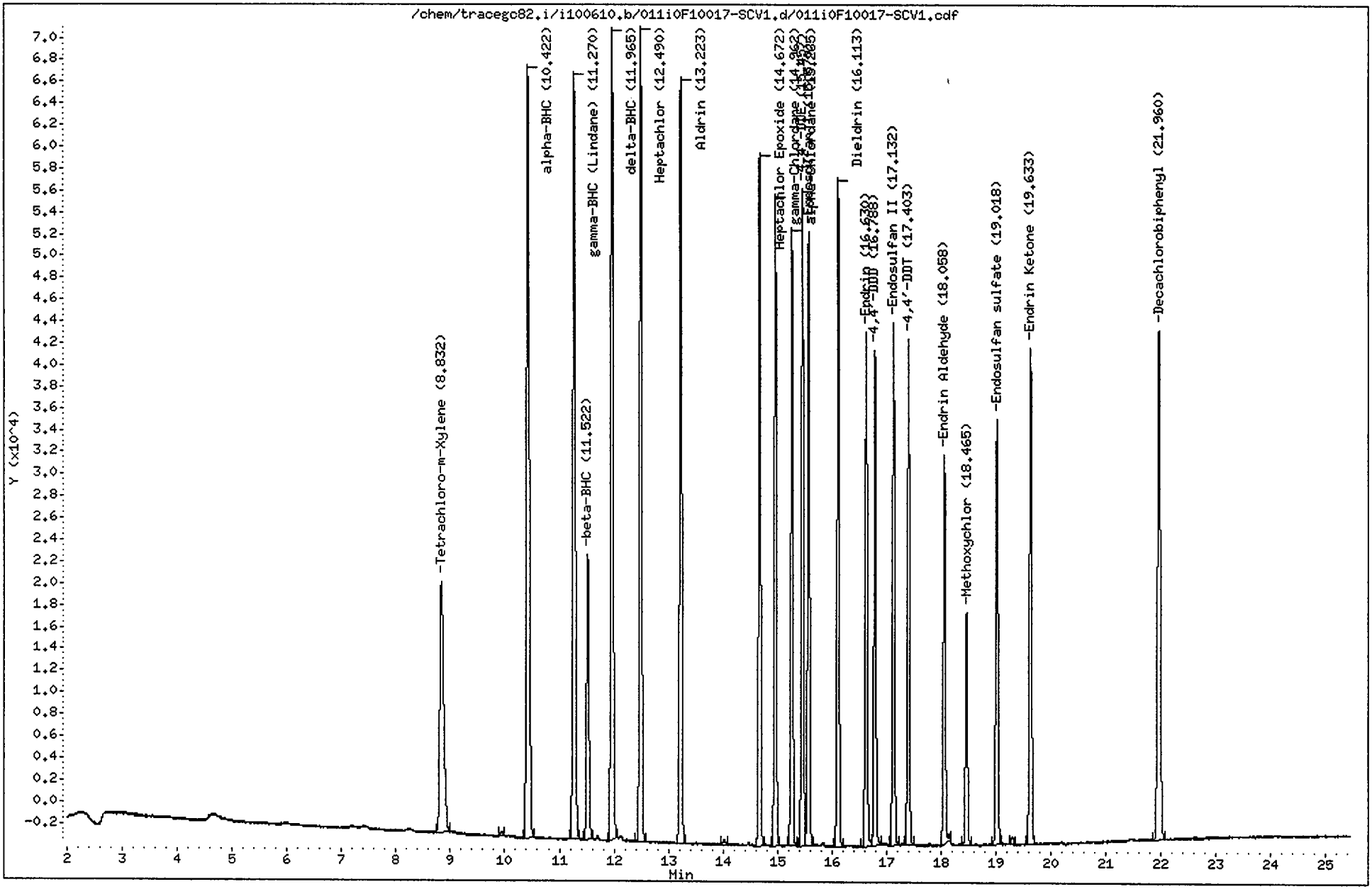
Sample Info: 0F10017-SCV1

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0F10017-SCV1 Client Smp Id : PESTCHKIA
Sample Type : QCCHECK Sublist : INDA
Inj Date : 10-JUN-2010 21:22 Inst ID : TRACEGC82
Operator : BWL Spike Sublist : INDAchek
Method : /chem/tracegc82.i/i100610.b/8081A_clpestv6.m
Misc. Info : PESTCHKIA

RT	AREA
1.33	2066
1.38	6384
1.42	13838
8.83	113402
9.94	1155
10.42	242909
11.27	215697
11.52	76614
11.96	212907
12.49	207199
13.22	187654
14.02	1510
14.67	161686
14.96	151845
15.27	143592
15.46	147610
15.57	144652
16.11	155132
16.63	121954
16.79	112139
17.13	124433
17.40	115823
18.06	92014
18.46	54567
19.02	104502
19.30	1868
19.63	124681
21.96	165998

Data File: /chem/tracegc82.i/i100610_2C.b/003i0F10017-PEM1.d

Date : 10-JUN-2010 17:29

Client ID: PEMIA

Sample Info: 0F10017-PEM1

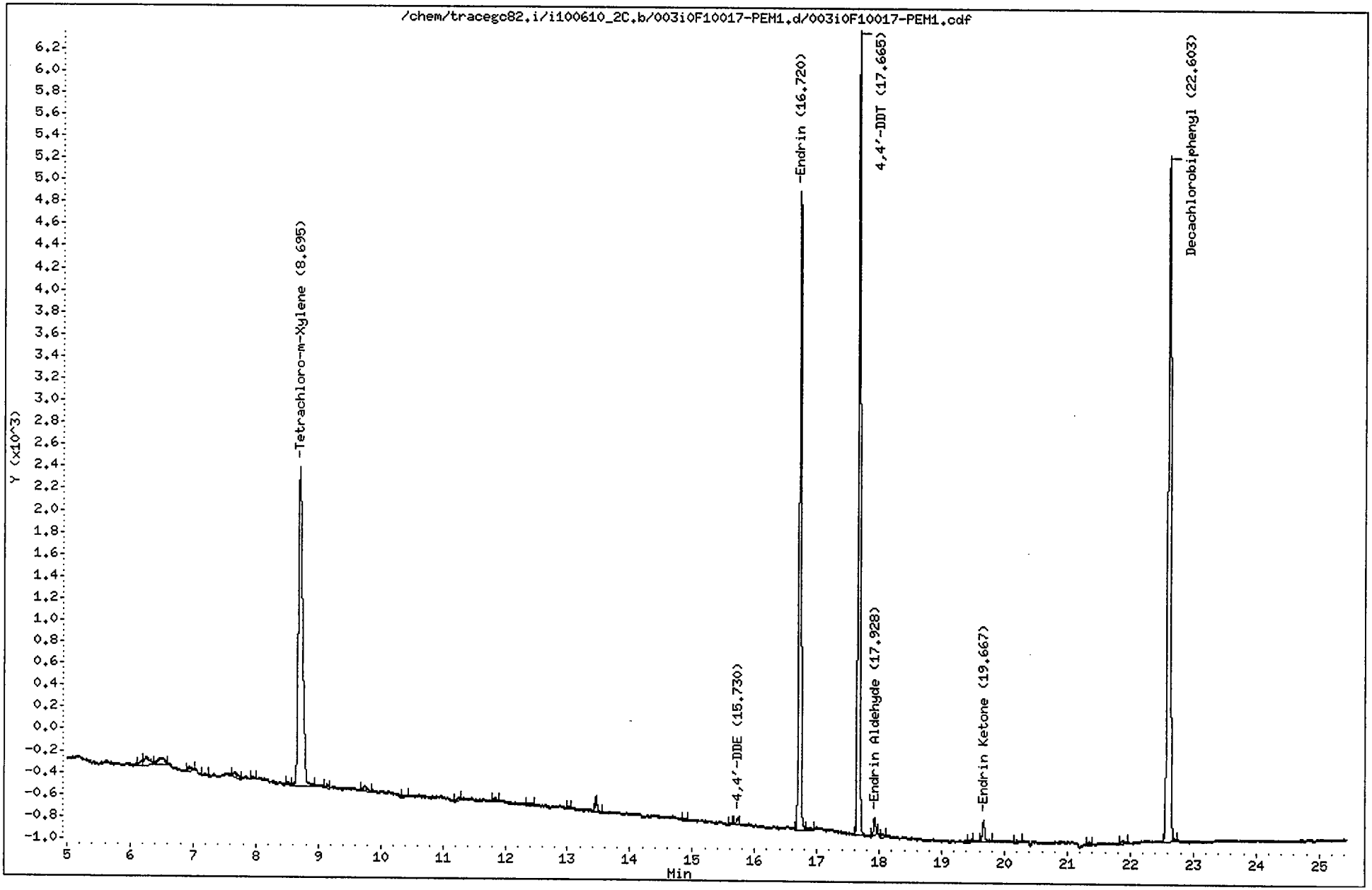
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc82.i

Operator: System

Column diameter: 0.32



CompuChem

Lab Smp Id : 0F10017-PEM1 Client Smp Id : PEMIA
Sample Type : SAMPLE Sublist : PEM
Inj Date : 10-JUN-2010 17:29 Inst ID : TRACEGC82
Operator : System
Method : /chem/tracegc82.i/i100610_2C.b/8081A_clpest2v6.m
Misc. Info : PEMIA

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
0.40		149								
0.48		65								
1.05		148								
1.13		57								
1.21		121								
1.27		471								
1.37		2001								
1.49		67113								
2.62		493								
3.87		92								
4.52		101								
6.17		149								
6.25		523								
6.49		543								
6.94		162								
7.14		79								
7.67		216								
7.95		58								
8.52		68								
8.70	8.63 8.77	13900	708805	Tetrachloro-m-Xylene	0.019611	0.019611		99.0	43 - 135	
9.14		104								
9.74		277								
10.39		94								
11.25		111								
11.85		134								
12.38		83								
13.02		59								
13.46		339								
14.87		65								
15.60		55								
15.73	15.66 15.80	127	742671	4,4'-DDE	0.000171	0.000171	0.020000			J
16.72	16.65 16.79	13950	615390	Endrin	0.022669	0.022669	0.020000			
16.87		110								
17.66	17.59 17.73	16813	587788	4,4'-DDT	0.028605	0.028605	0.020000			
17.93	17.85 17.99	350	494934	Endrin Aldehyde	0.000708	0.000708	0.020000			J
18.04		84								
19.44		78								

CompuChem

Lab Smp Id : 0F10017-PEM1 Client Smp Id : PEMIA
Sample Type : SAMPLE Sublist : PEM
Inj Date : 10-JUN-2010 17:29 Inst ID :
Operator : System
Method : /chem/tracegc82.i/i100610_2C.b/8081A_clpest2v6.m
Misc. Info : PEMIA

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
19.67	19.60 19.74	540	610811	Endrin Ketone	0.000883	0.000883	0.020000			J
20.20		80								
21.35		73								
21.89		117								
22.60	22.53 22.67	20299	535699	Decachlorobiphenyl	0.037892	0.037892		95.7	43 - 144	

Data File: /chem/tracegc82.i/i100610_2C.b/004i0F10017-CAL1.d

Date : 10-JUN-2010 17:58

Client ID: INDC1IA

Instrument: tracegc82.i

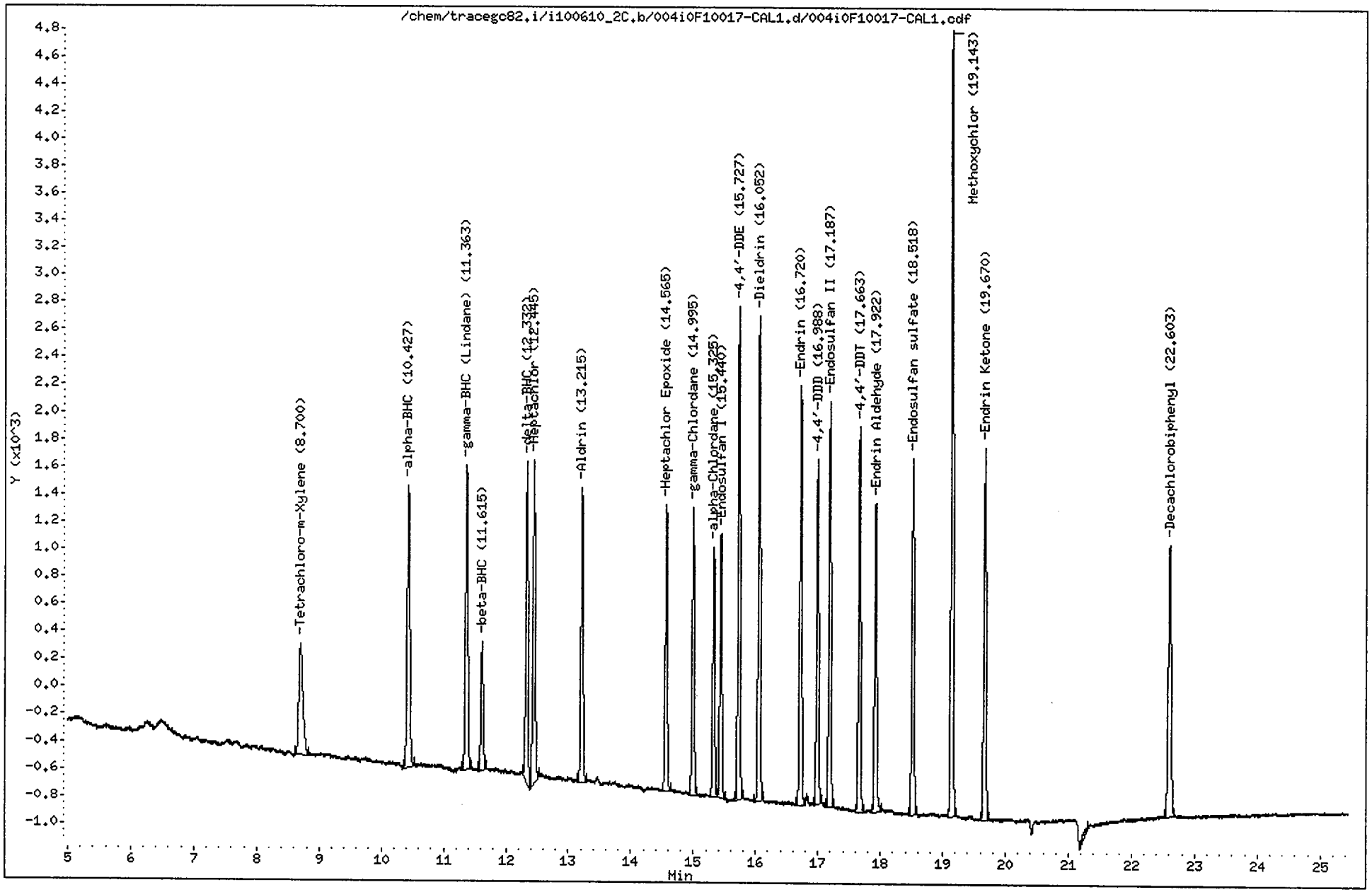
Sample Info: 0F10017-CAL1

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0F10017-CAL1 Client Smp Id : INDC1IA
Sample Type : INITIAL CAL: Level 1 Sublist : INDA
Inj Date : 10-JUN-2010 17:58 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610_2C.b/8081A_clpest2v6.m
Misc. Info : INDC1IA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
0.11			163					
1.37			918					
1.52			273656					
2.63			845					
8.70	8.63	8.77	3745	708805	Tetrachloro-m-Xylene	0.005000	748800	
10.43	10.36	10.50	6138	1189972	alpha-BHC	0.005000	1227600	
11.36	11.30	11.44	5816	1121952	gamma-BHC (Lindane)	0.005000	1163000	
11.62	11.55	11.69	2330	437132	beta-BHC	0.005000	466000	
12.33	12.26	12.40	5435	1032470	delta-BHC	0.005000	1086800	
12.44	12.38	12.52	5982	997000	Heptachlor	0.005500	1087636	
13.22	13.15	13.29	5149	934385	Aldrin	0.005000	1029800	
14.56	14.49	14.63	4755	854658	Heptachlor Epoxide	0.005000	951000	
15.00	14.92	15.06	4816	865155	gamma-Chlordane	0.005000	963200	
15.32	15.26	15.40	4074	736405	alpha-Chlordane	0.005000	814800	
15.44	15.37	15.51	4440	789088	Endosulfan I	0.005000	887800	
15.73	15.66	15.80	8053	742671	4,4'-DDE	0.010000	805300	
16.05	15.98	16.12	8171	743382	Dieldrin	0.010000	817000	
16.72	16.65	16.79	7219	615390	Endrin	0.010000	721800	
16.99	16.92	17.06	5674	531489	4,4'-DDD	0.010000	567300	
17.19	17.12	17.26	6996	626482	Endosulfan II	0.010000	699500	
17.66	17.59	17.73	6408	587788	4,4'-DDT	0.010000	640800	
17.92	17.85	17.99	5453	494934	Endrin Aldehyde	0.010000	545300	
18.52	18.45	18.59	6149	546189	Endosulfan sulfate	0.010000	614900	
19.14	19.07	19.21	13208	231682	Methoxychlor	0.050000	264140	
19.67	19.60	19.74	6620	610811	Endrin Ketone	0.010000	661900	
21.29			237					
22.60	22.53	22.67	6279	535699	Decachlorobiphenyl	0.010000	627900	

Data File: /chem/tracegc82.i/i100610_2C.b/005i0F10017-CAL2.d

Date : 10-JUN-2010 18:28

Client ID: INDC2IA

Instrument: tracegc82.i

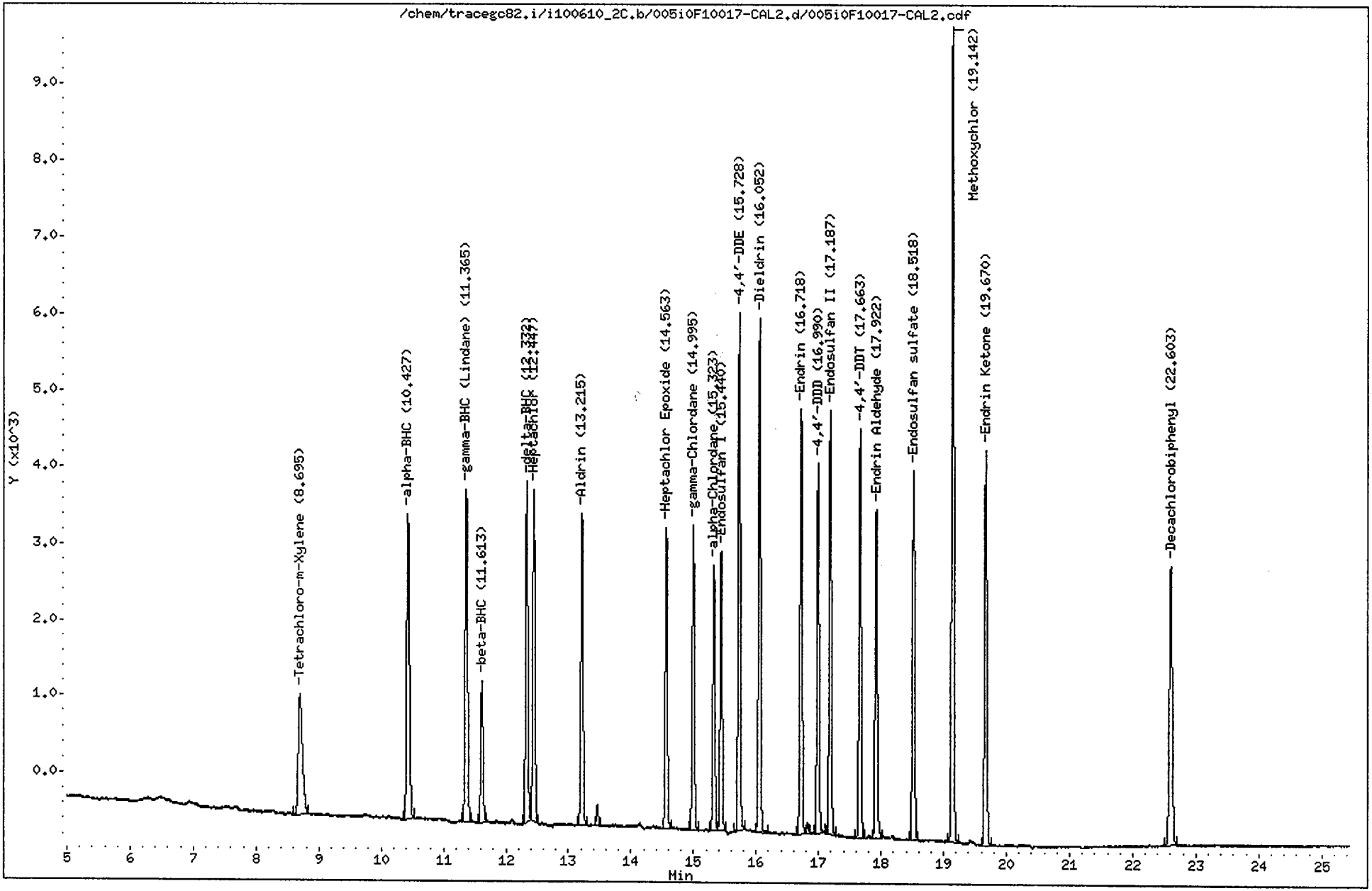
Sample Info: 0F10017-CAL2

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0F10017-CAL2 Client Smp Id : INDC2IA
Sample Type : INITIAL CAL: Level 2 Sublist : INDA
Inj Date : 10-JUN-2010 18:28 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610_2C.b/8081A_clpest2v6.m
Misc. Info : INDC2IA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.37			1089					
1.49			21145					
2.63			399					
8.70	8.63	8.77	7516	708805	Tetrachloro-m-Xylene	0.010000	751500	
10.43	10.36	10.50	12176	1189972	alpha-BHC	0.010000	1217600	
11.36	11.30	11.44	11548	1121952	gamma-BHC (Lindane)	0.010000	1154700	
11.61	11.55	11.69	4602	437132	beta-BHC	0.010000	460200	
12.33	12.26	12.40	10479	1032470	delta-BHC	0.010000	1047900	
12.45	12.38	12.52	10584	997000	Heptachlor	0.010000	1058300	
13.22	13.15	13.29	9905	934385	Aldrin	0.010000	990400	
13.46			631					
14.56	14.49	14.63	9127	854658	Heptachlor Epoxide	0.010000	912600	
15.00	14.92	15.06	9217	865155	gamma-Chlordane	0.010000	921600	
15.32	15.26	15.40	7869	736405	alpha-Chlordane	0.010000	786800	
15.44	15.37	15.51	8463	789088	Endosulfan I	0.010000	846200	
15.73	15.66	15.80	15497	742671	4,4'-DDE	0.020000	774850	
16.05	15.98	16.12	15783	743382	Dieldrin	0.020000	789150	
16.72	16.65	16.79	13288	615390	Endrin	0.020000	664400	
16.83			297					
16.99	16.92	17.06	11063	531489	4,4'-DDD	0.020000	553100	
17.19	17.12	17.26	13135	626482	Endosulfan II	0.020000	656750	
17.66	17.59	17.73	12200	587788	4,4'-DDT	0.020000	609950	
17.92	17.85	17.99	10495	494934	Endrin Aldehyde	0.020000	524750	
18.52	18.45	18.59	11599	546189	Endosulfan sulfate	0.020000	579900	
19.14	19.07	19.21	24591	231682	Methoxychlor	0.100000	245910	
19.67	19.60	19.74	12789	610811	Endrin Ketone	0.020000	639450	
22.60	22.53	22.67	11633	535699	Decachlorobiphenyl	0.020000	581600	

Data File: /chem/tracegc82.i/i100610_2C.b/006i0F10017-CAL3.d

Date : 10-JUN-2010 18:57

Client ID: INDC3IA

Sample Info: 0F10017-CAL3

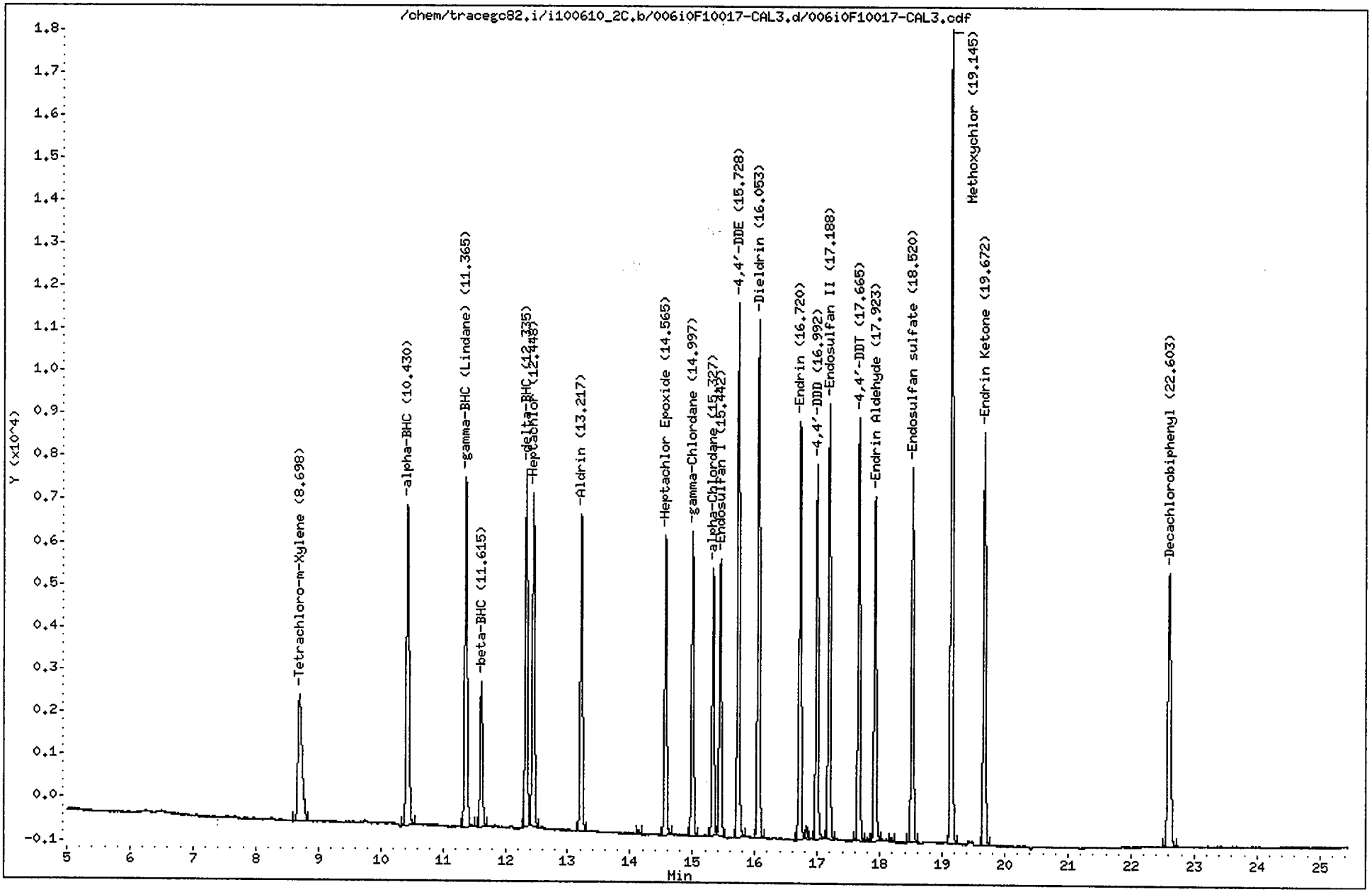
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc82.i

Operator: System

Column diameter: 0.32



CompuChem

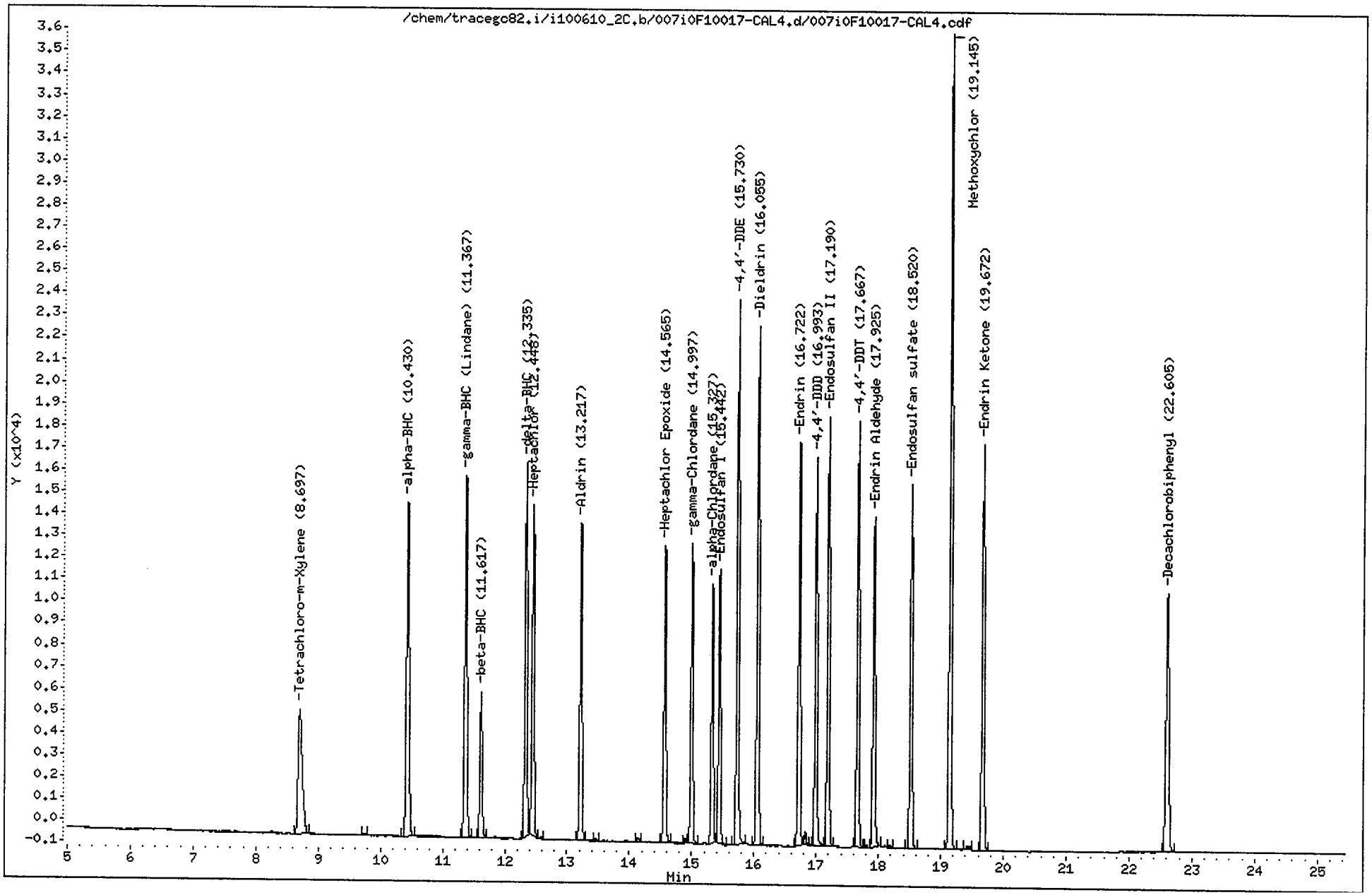
Lab Smp Id : 0F10017-CAL3 Client Smp Id : INDC3IA
Sample Type : INITIAL CAL: Level 3 Sublist : INDA
Inj Date : 10-JUN-2010 18:57 Inst ID : TRACEGC82
Operator : System
Method : /chem/tracegc82.i/i100610_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3IA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
0.07			242					
1.37			829					
1.50			4468					
2.62			196					
8.70	8.63	8.77	13802	708805	Tetrachloro-m-Xylene	0.020000	690100	
10.43	10.36	10.50	23022	1189972	alpha-BHC	0.020000	1151100	
11.36	11.30	11.44	21710	1121952	gamma-BHC (Lindane)	0.020000	1085500	
11.62	11.55	11.69	8527	437132	beta-BHC	0.020000	426300	
12.34	12.26	12.40	19754	1032470	delta-BHC	0.020000	987700	
12.45	12.38	12.52	19477	997000	Heptachlor	0.020000	973800	
13.22	13.15	13.29	18036	934385	Aldrin	0.020000	901750	
14.14			219					
14.56	14.49	14.63	16627	854658	Heptachlor Epoxide	0.020000	831300	
15.00	14.92	15.06	16735	865155	gamma-Chlordane	0.020000	836750	
15.33	15.26	15.40	14326	736405	alpha-Chlordane	0.020000	716300	
15.44	15.37	15.51	15377	789088	Endosulfan I	0.020000	768800	
15.73	15.66	15.80	28516	742671	4,4'-DDE	0.040000	712900	
16.05	15.98	16.12	28703	743382	Dieldrin	0.040000	717550	
16.72	16.65	16.79	23344	615390	Endrin	0.040000	583600	
16.83			603					
16.99	16.92	17.06	20655	531489	4,4'-DDD	0.040000	516350	
17.19	17.12	17.26	24349	626482	Endosulfan II	0.040000	608725	
17.66	17.59	17.73	22638	587788	4,4'-DDT	0.040000	565950	
17.81			165					
17.92	17.85	17.99	19767	494934	Endrin Aldehyde	0.040000	494150	
18.18			199					
18.52	18.45	18.59	21129	546189	Endosulfan sulfate	0.040000	528225	
19.14	19.07	19.21	44538	231682	Methoxychlor	0.200000	222690	
19.67	19.60	19.74	23891	610811	Endrin Ketone	0.040000	597250	
22.60	22.53	22.67	20846	535699	Decachlorobiphenyl	0.040000	521150	

Data File: /chem/tracegc82.i/i100610_2C.b/007i0F10017-CAL4.d
Date : 10-JUN-2010 19:26
Client ID: INDC4IA
Sample Info: 0F10017-CAL4
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : 0F10017-CAL4 Client Smp Id : INDC4IA
Sample Type : INITIAL CAL: Level 4 Sublist : INDA
Inj Date : 10-JUN-2010 19:26 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610_2C.b/8081A_clpest2v6.m
Misc. Info : INDC4IA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
0.07			166					
1.37			759					
1.49			31620					
2.63			231					
8.70	8.63	8.77	27112	708805	Tetrachloro-m-Xylene	0.040000	677800	
9.75			269					
10.43	10.36	10.50	46090	1189972	alpha-BHC	0.040000	1152250	
11.37	11.30	11.44	43270	1121952	gamma-BHC (Lindane)	0.040000	1081750	
11.62	11.55	11.69	16655	437132	beta-BHC	0.040000	416350	
12.34	12.26	12.40	39771	1032470	delta-BHC	0.040000	994250	
12.45	12.38	12.52	37225	997000	Heptachlor	0.040000	930600	
12.59			190					
13.22	13.15	13.29	34869	934385	Aldrin	0.040000	871725	
13.46			235					
14.14			414					
14.56	14.49	14.63	31780	854658	Heptachlor Epoxide	0.040000	794475	
14.90			430					
15.00	14.92	15.06	32033	865155	gamma-Chlordane	0.040000	800825	
15.33	15.26	15.40	27420	736405	alpha-Chlordane	0.040000	685475	
15.44	15.37	15.51	29182	789088	Endosulfan I	0.040000	729550	
15.73	15.66	15.80	55781	742671	4,4'-DDE	0.080000	697263	
16.06	15.98	16.12	55410	743382	Dieldrin	0.080000	692625	
16.72	16.65	16.79	43958	615390	Endrin	0.080000	549463	
16.83			1271					
16.99	16.92	17.06	40197	531489	4,4'-DDD	0.080000	502450	
17.19	17.12	17.26	46622	626482	Endosulfan II	0.080000	582763	
17.67	17.59	17.73	44121	587788	4,4'-DDT	0.080000	551513	
17.81			312					
17.92	17.85	17.99	36865	494934	Endrin Aldehyde	0.080000	460813	
18.18			277					
18.52	18.45	18.59	40274	546189	Endosulfan sulfate	0.080000	503413	
19.14	19.07	19.21	84500	231682	Methoxychlor	0.400000	211250	
19.42			556					
19.67	19.60	19.74	46189	610811	Endrin Ketone	0.080000	577363	
22.60	22.53	22.67	38467	535699	Decachlorobiphenyl	0.080000	480825	

Data File: /chem/tracegc82.i/i100610_2C.b/008i0F10017-CAL5.d

Page 1

Date : 10-JUN-2010 19:55

Client ID: INDC5IA

Instrument: tracegc82.i

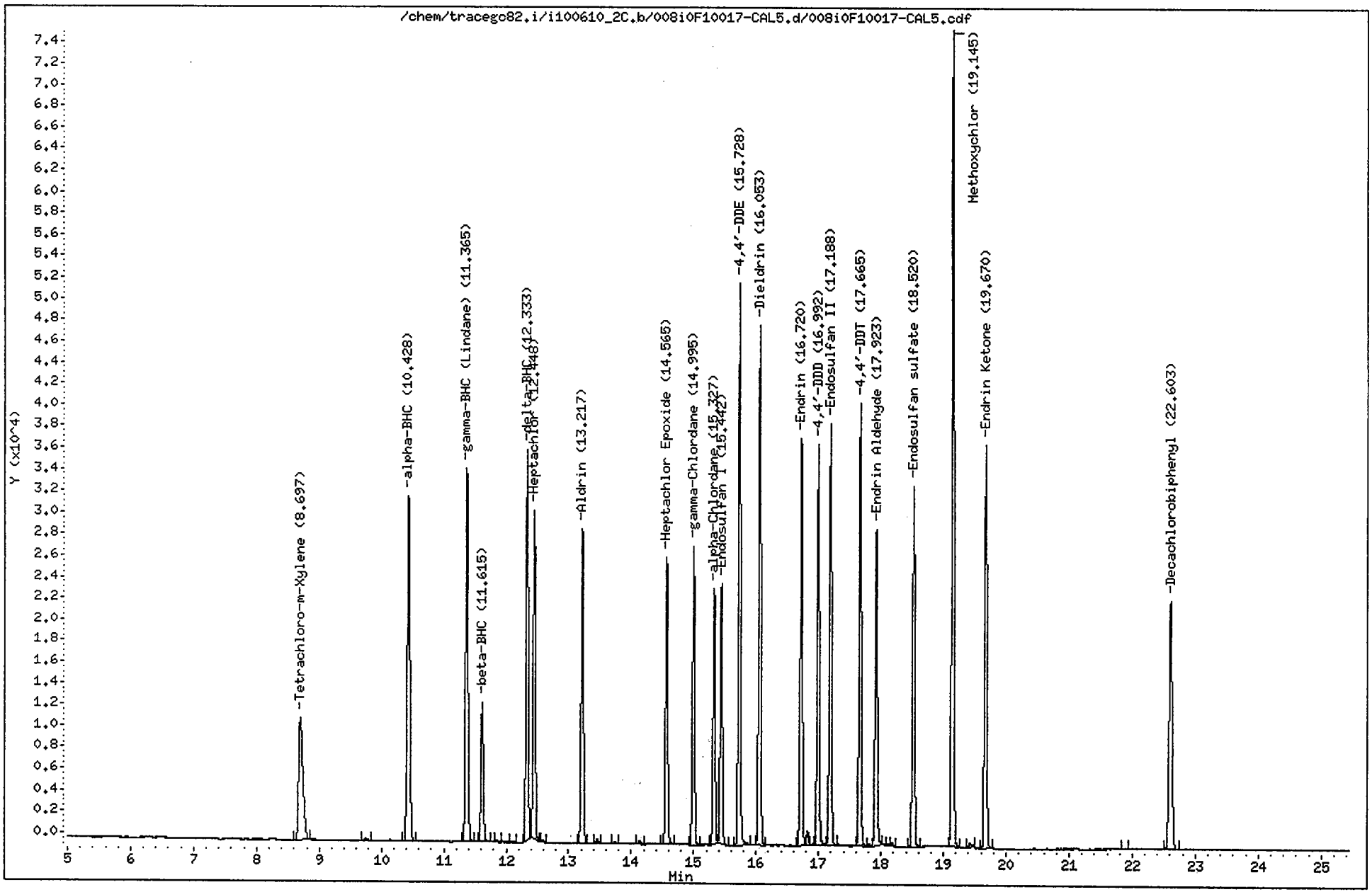
Sample Info: 0F10017-CAL5

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

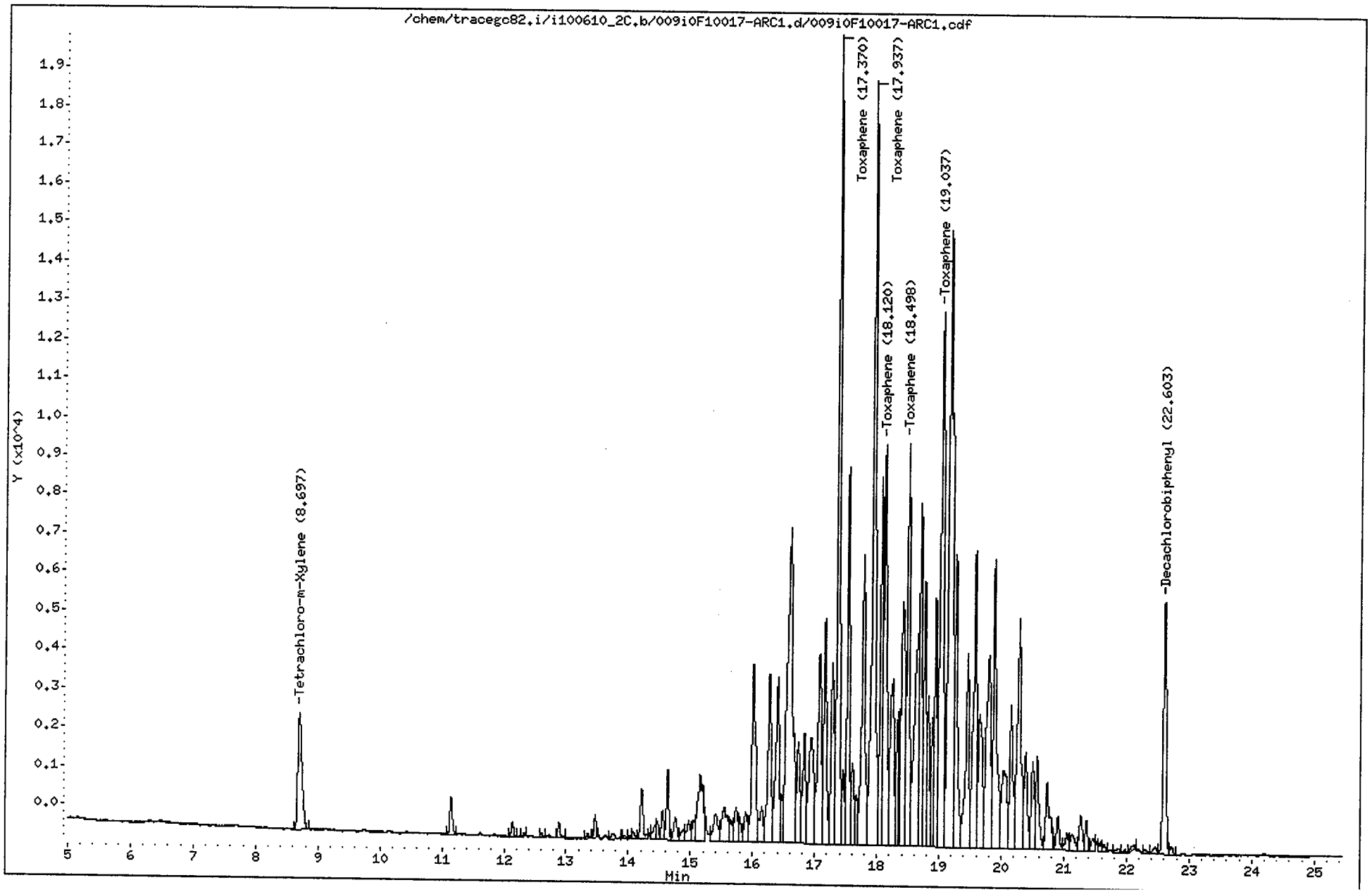
Lab Smp Id : 0F10017-CAL5 Client Smp Id : INDC5IA
Sample Type : INITIAL CAL: Level 5 Sublist : INDA
Inj Date : 10-JUN-2010 19:55 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610_2C.b/8081A_clpest2v6.m
Misc. Info : INDC5IA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.37			904					
1.50			32982					
2.65			368					
8.70	8.63	8.77	54066	708805	Tetrachloro-m-Xylene	0.080000	675825	
9.74			732					
10.43	10.36	10.50	96106	1189972	alpha-BHC	0.080000	1201313	
11.36	11.30	11.44	89985	1121952	gamma-BHC (Lindane)	0.080000	1124813	
11.62	11.55	11.69	33346	437132	beta-BHC	0.080000	416813	
11.85			353					
12.10			292					
12.33	12.26	12.40	83657	1032470	delta-BHC	0.080000	1045700	
12.45	12.38	12.52	74773	997000	Heptachlor	0.080000	934663	
12.59			369					
13.22	13.15	13.29	70260	934385	Aldrin	0.080000	878250	
13.46			866					
13.73			288					
14.14			873					
14.56	14.49	14.63	62713	854658	Heptachlor Epoxide	0.080000	783913	
15.00	14.92	15.06	64273	865155	gamma-Chlordane	0.080000	803400	
15.33	15.26	15.40	54293	736405	alpha-Chlordane	0.080000	678650	
15.44	15.37	15.51	57048	789088	Endosulfan I	0.080000	713087	
15.73	15.66	15.80	115687	742671	4,4'-DDE	0.160000	723044	
16.05	15.98	16.12	112095	743382	Dieldrin	0.160000	700587	
16.72	16.65	16.79	89230	615390	Endrin	0.160000	557687	
16.83			2900					
16.91			238					
16.99	16.92	17.06	82919	531489	4,4'-DDD	0.160000	518244	
17.19	17.12	17.26	93548	626482	Endosulfan II	0.160000	584675	
17.66	17.59	17.73	91317	587788	4,4'-DDT	0.160000	570725	
17.81			456					
17.92	17.85	17.99	71945	494934	Endrin Aldehyde	0.160000	449656	
18.11			168					
18.18			634					
18.52	18.45	18.59	80721	546189	Endosulfan sulfate	0.160000	504506	
19.14	19.07	19.21	171538	231682	Methoxychlor	0.800000	214421	
19.43			980					
19.67	19.60	19.74	92496	610811	Endrin Ketone	0.160000	578094	
21.88			284					
22.60	22.53	22.67	74723	535699	Decachlorobiphenyl	0.160000	467019	

Data File: /chem/tracegc82.i/i100610_2C.b/009i0F10017-ARC1.d
Date : 10-JUN-2010 20:24
Client ID: TOXAPH3IA
Sample Info: 0F10017-ARC1
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

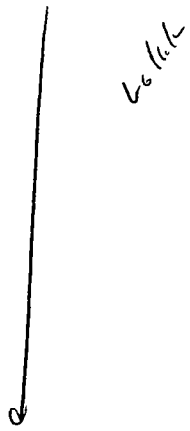
Lab Smp Id : 0F10017-ARC1 Client Smp Id : TOXAPH3IA
Sample Type : INITIAL CAL: Level 1 Sublist : TOXAPH
Inj Date : 10-JUN-2010 20:24 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610_2C.b/8081A_clpest2v6.m
Misc. Info : TOXAPH3IA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.37			1221					
1.50			31491					
2.61			254					
8.70	8.63	8.77	14217	708805	Tetrachloro-m-Xylene	0.005000	748800	
11.14			2775					
12.13			947					
12.33			191					
12.60			290					
12.88			993					
13.35			301					
13.47			1300					
13.76			563					
13.95			186					
14.03			190					
14.08			546					
14.21			4335					
14.43			1267					
14.47			1133					
14.55			2190					
14.63			4729					
14.76			2233					
14.89			1076					
14.97			1819					
15.05			1739					
15.15			10314					
15.41			3720					
15.55			5887					
15.65			1508					
15.73			3348					
15.79			1958					
15.89			3405					
16.00			18961					
16.15			4005					
16.27			16797					
16.40			16750					
16.46			3014					
16.60			51213					
16.73			9255					
16.83			10439					
16.94			16027					
17.07			21054					
17.16			19618					

CompuChem

Lab Smp Id : 0F10017-ARC1 Client Smp Id : TOXAPH3IA
Sample Type : INITIAL CAL: Level 1 Sublist : TOXAPH
Inj Date : 10-JUN-2010 20:24 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610_2C.b/8081A_clpest2v6.m
Misc. Info : TOXAPH3IA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
17.28		16108					
17.37	17.30 17.44	58476	72812	Toxaphene Peak 1	0.500000	116950	m2
17.46		4920					
17.53		27108					
17.61		6903					
17.67		3754					
17.78		28630					
17.94	17.87 18.01	70692	87976	Toxaphene Peak 2	0.500000	141382	
18.07		25795					
18.12	18.05 18.19	34636	43015	Toxaphene Peak 3	0.500000	69270	
18.25		20018					
18.34		9542					
18.36		4635					
18.41		26669					
18.50	18.43 18.57	30060	37344	Toxaphene Peak 4	0.500000	60118	
18.65		27099					
18.70		25474					
18.77		19123					
18.82		10308					
18.89		8141					
18.94		17648					
19.04	18.97 19.11	54392	67707	Toxaphene Peak 5	0.500000	108782	
19.16		76464					
19.27		25181					
19.46		18751					
19.58		27299					
19.65		16271					
19.80		25364					
19.88		27569					
20.03		12260					
20.15		13100					
20.28		26755					
20.39		8783					
20.50		7919					
20.57		8475					
20.73		7642					
20.91		2727					
21.05		1765					
21.13		1928					
21.27		3263					
21.36		2126					
21.46		1148					



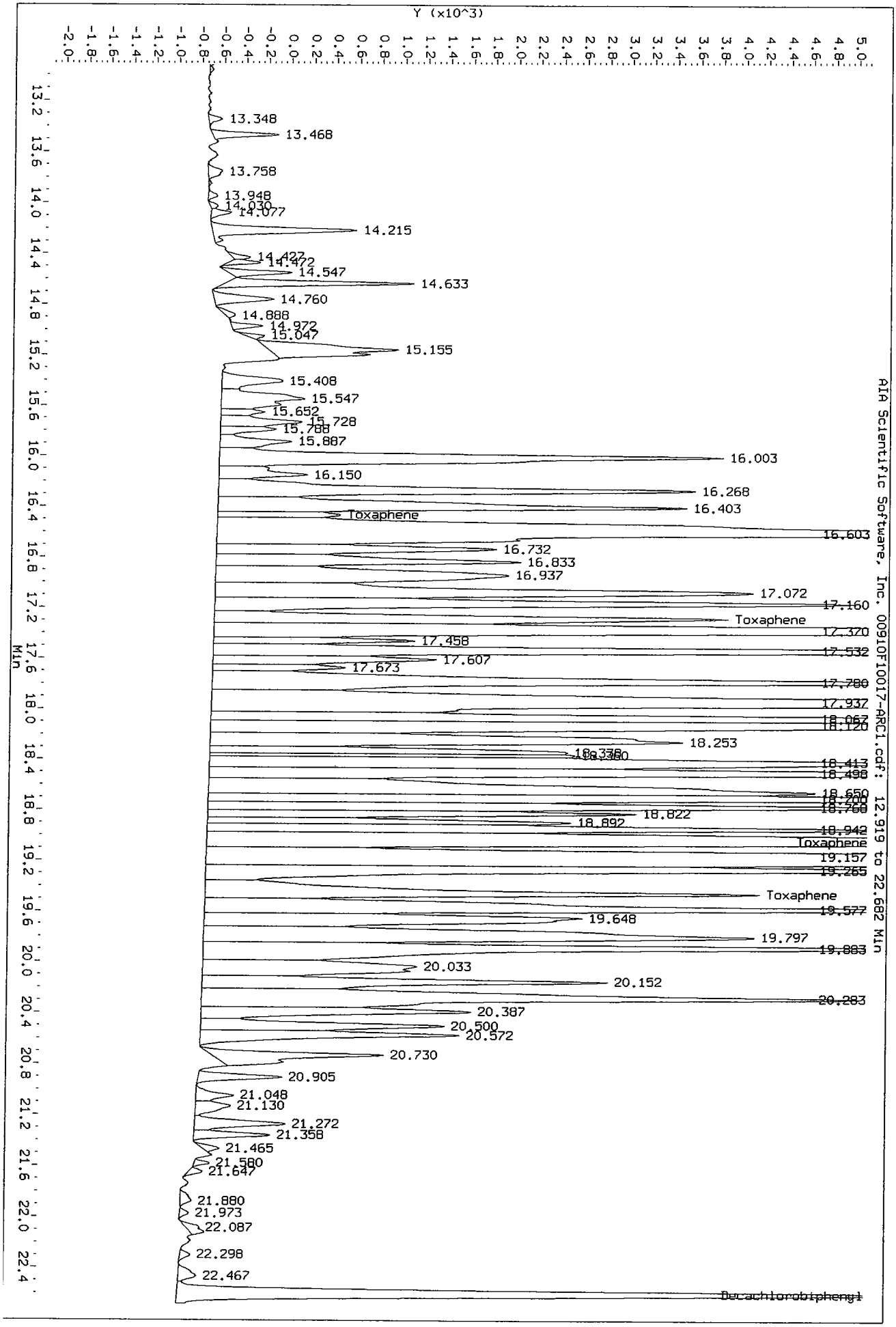
6/11/10

6/11/10

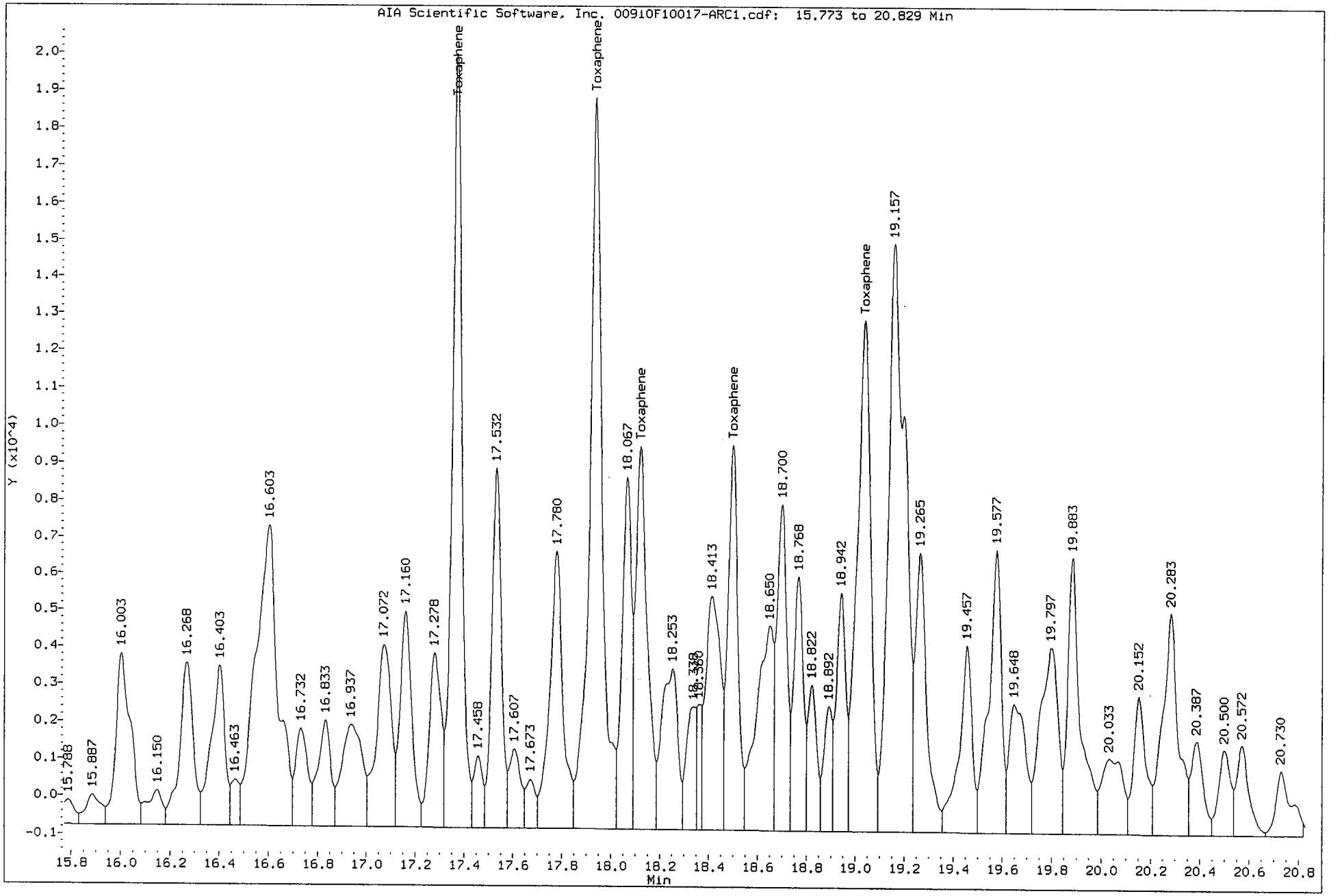
CompuChem

Lab Smp Id : 0F10017-ARC1 Client Smp Id : TOXAPH3IA
Sample Type : INITIAL CAL: Level 1 Sublist : TOXAPH
Inj Date : 10-JUN-2010 20:24 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610_2C.b/8081A_clpest2v6.m
Misc. Info : TOXAPH3IA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
21.58		597					
21.65		454					
21.88		444					
21.97		231					
22.09		594					
22.30		287					
22.47		734					
22.60	22.53 22.67	21468	535699	Decachlorobiphenyl	0.010000	627900	
22.71		640					

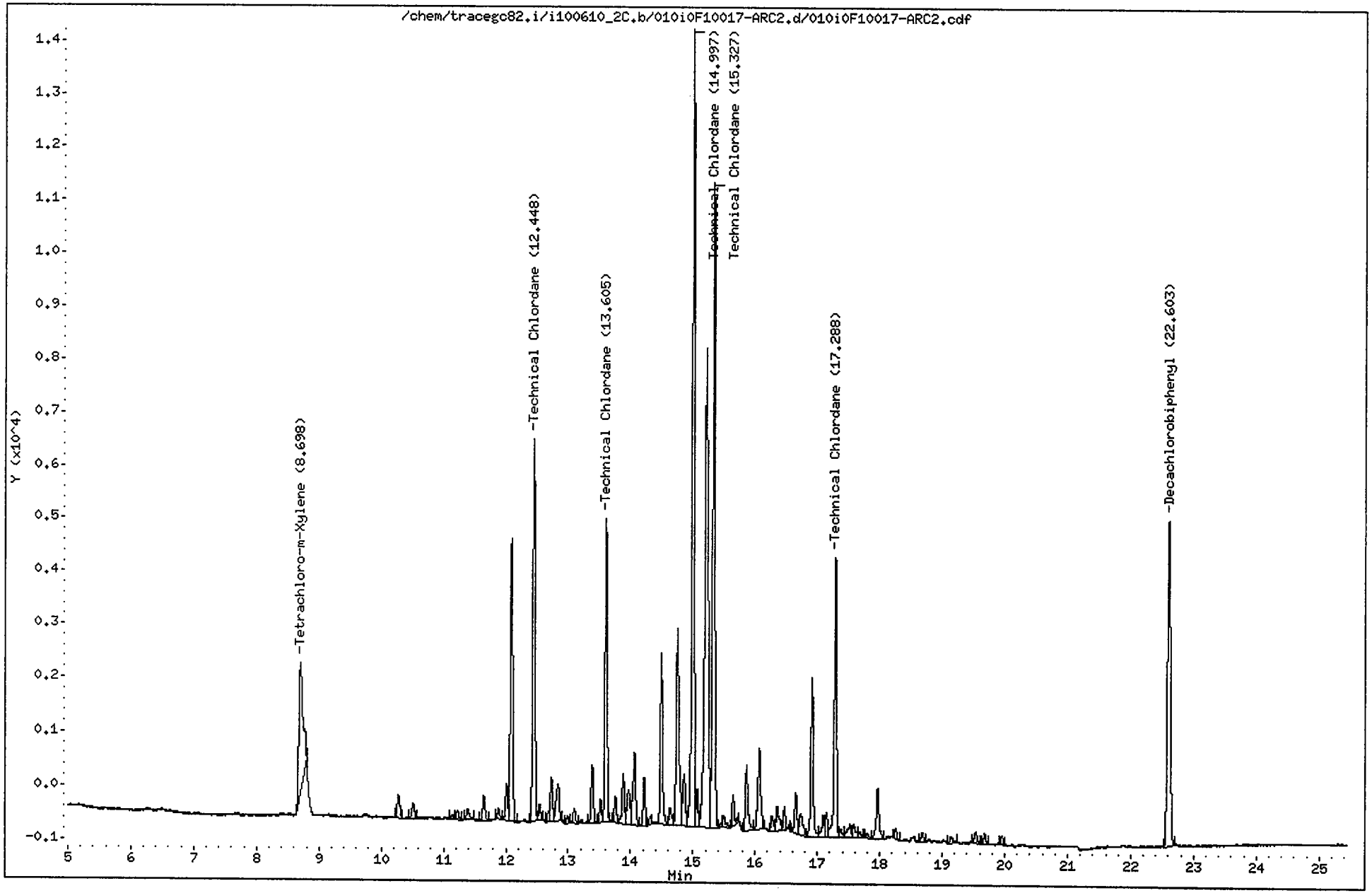

Data File: /chem/tracegc82.i/i100610_2C.b/00910F10017-ARC1.d/00910F10017-ARC1.cdf
Injection Date: 10-JUN-2010 20:24
Instrument: tracegc82.i
Client Sample ID: TOXAPH3IA
Y (x10^3)
Min
AIA Scientific Software, Inc. 00910F10017-ARC1.cdf: 12.919 to 22.682 Min
13.348
13.468
13.758
13.948
14.030
14.077
14.215
14.427
14.472
14.547
14.633
14.760
14.888
14.972
15.047
15.155
15.408
15.547
15.652
15.728
15.788
15.887
16.003
16.150
16.268
16.403
Toxaphene
16.603
16.732
16.833
16.937
17.072
17.160
Toxaphene
17.320
17.458
17.532
17.607
17.673
17.780
17.937
18.067
18.120
18.253
18.338
18.380
18.413
18.498
18.650
18.700
18.760
18.822
18.892
18.942
Toxaphene
19.157
19.265
Toxaphene
19.577
19.648
19.797
19.883
20.033
20.152
20.283
20.387
20.500
20.572
20.730
20.905
21.048
21.130
21.272
21.358
21.465
21.580
21.647
21.880
21.973
22.087
22.298
22.467
Decachlorobiphenyl

Data File: /chem/tracegc82.i/i100610_2C.b/00910F10017-ARC1.d/00910F10017-ARC1.cdf
Injection Date: 10-JUN-2010 20:24
Instrument: tracegc82.i
Client Sample ID: TOXAPH3IA



Data File: /chem/tracegc82.i/i100610_2C.b/010i0F10017-ARC2.d
Date : 10-JUN-2010 20:53
Client ID: CHLOR03IA
Sample Info: 0F10017-ARC2
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : 0F10017-ARC2 Client Smp Id : CHLORO3IA
Sample Type : INITIAL CAL: Level 2 Sublist : TechChlor
Inj Date : 10-JUN-2010 20:53 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610_2C.b/8081A_clpest2v6.m
Misc. Info : CHLORO3IA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.37			1376					
1.48			19540					
2.65			512					
8.70	8.63	8.77	10733	708805	Tetrachloro-m-Xylene	0.010000	751500	
10.28			1283					
10.52			818					
11.15			201					
11.22			435					
11.39			595					
11.65			1216					
11.89			505					
12.02			1626					
12.09			13505					
12.45	12.38	12.52	17706	66398	TechnicalChlordane Peak 1	0.200000	88530	
12.54			650					
12.69			370					
12.73			2101					
12.84			2351					
12.99			303					
13.10			636					
13.39			2722					
13.52			926					
13.60	13.53	13.67	13325	49969	TechnicalChlordane Peak 2	0.200000	66625	
13.76			1131					
13.88			2492					
13.97			2187					
14.07			4177					
14.22			2022					
14.32			358					
14.49			7752					
14.63			975					
14.75			11146					
14.86			2978					
15.00	14.93	15.07	36304	136140	TechnicalChlordane Peak 3	0.200000	181520	
15.07			1545					
15.21			32903					
15.33	15.26	15.40	29893	112099	TechnicalChlordane Peak 4	0.200000	149465	
15.45			177					
15.50			805					
15.64			1474					
15.86			3496					
16.07			5054					

CompuChem

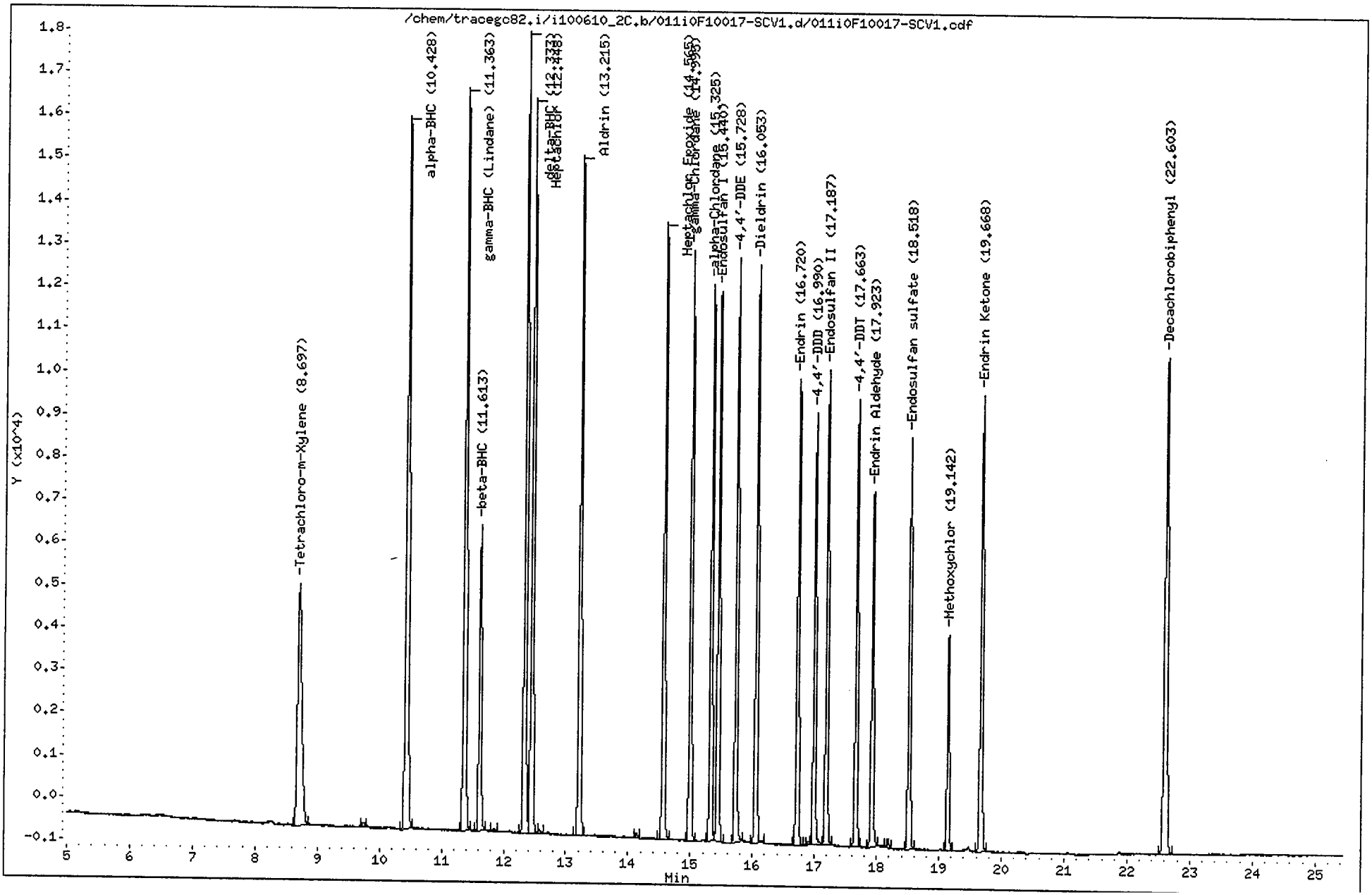
Lab Smp Id : 0F10017-ARC2 Client Smp Id : CHLORO3IA
Sample Type : INITIAL CAL: Level 2 Sublist : TechChlor
Inj Date : 10-JUN-2010 20:53 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610_2C.b/8081A_clpest2v6.m
Misc. Info : CHLORO3IA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
16.27		873					
16.35		1590					
16.47		1074					
16.65		2090					
16.73		1604					
16.91		7772					
17.09		1220					
17.14		1194					
17.29	17.22 17.36	13452	50445	TechnicalChlordane Peak 5	0.200000	67260	
17.37		461					
17.49		1095					
17.59		797					
17.68		270					
17.79		337					
17.97		2922					
18.26		479					
18.68		483					
19.14		408					
19.54		719					
19.68		508					
19.95		399					
22.60	22.53 22.67	19875	535699	Decachlorobiphenyl	0.020000	581600	

Data File: /chem/tracegc82.i/i100610_2C.b/011i0F10017-SCV1.d
Date : 10-JUN-2010 21:22
Client ID: PESTCHKIA
Sample Info: 0F10017-SCV1
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : 0F10017-SCV1 Client Smp Id : PESTCHKIA
Sample Type : QCCHECK Sublist : INDA
Inj Date : 10-JUN-2010 21:22 Inst ID : TRACEGC82
Operator : BWL Spike Sublist : INDAchek
Method : /chem/tracegc82.i/i100610_2C.b/8081A_clpest2v6.m
Misc. Info : PESTCHKIA

RT	AREA
1.37	870
1.50	47006
2.64	427
8.70	26977
9.74	267
10.43	50130
11.36	45561
11.61	18171
11.85	209
12.33	44461
12.45	42776
12.58	249
13.21	38513
14.13	258
14.56	33599
14.99	32213
15.32	30212
15.44	30416
15.73	31348
16.05	31973
16.72	26324
16.91	190
16.99	23108
17.19	26669
17.66	23961
17.92	20238
18.18	453
18.52	23505
19.14	11700
19.67	26518
22.60	38037

Manual Integrations							
SDG:							
Sample(s)	0F10017-ARC1						
Compound							
alpha-BHC							
gamma-BHC							
beta-BHC							
delta-BHC							
Heptachlor							
Aldrin							
Heptachlor Epoxide							
gamma-Chlordane							
alpha-Chlordane							
Endosulfan I							
4,4'-DDE							
Dieldrin							
Endrin							
4,4'-DDD							
Endosulfan II							
4,4'-DDT							
Endrin Aldehyde							
Endosulfan sulfate							
Methoxychlor							
Endrin Ketone							
Toxaphene	x						
Technical Chordane							
Tetrachloro-m-xylene							
Decachlorbiphenyl							
"X" Denotes a manual integration for the compound							

Data File: /chem/tracegc82.i/i100610a.b/014iSEQ-CCV1.d

Date : 10-JUN-2010 22:49

Client ID: INDC3ID

Sample Info: SEQ-CCV1

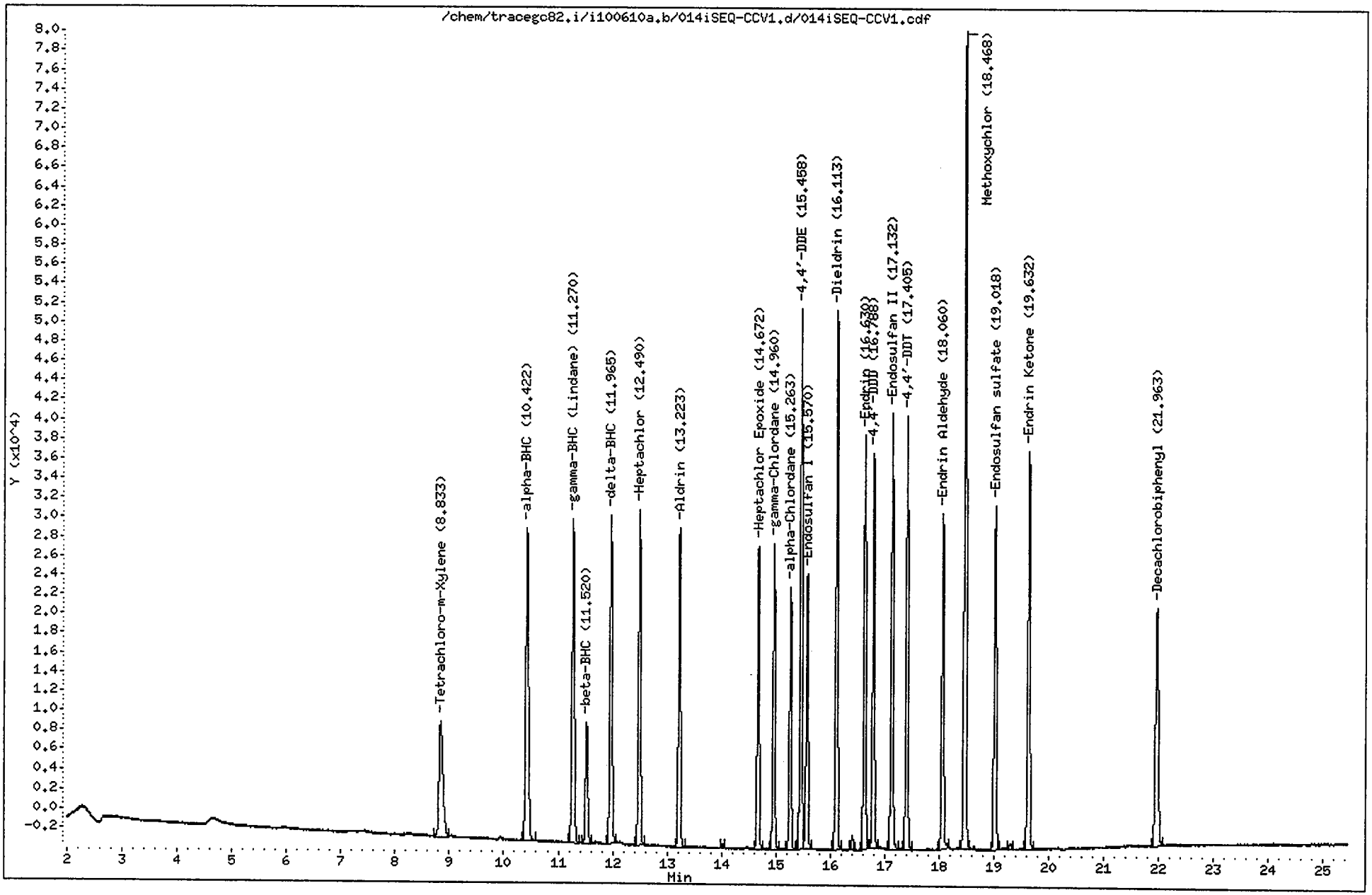
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc82.i

Operator: BWL

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV1 Client Smp Id : INDC3ID
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 10-JUN-2010 22:49 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610a.b/8081A_clpestv6.m
Misc. Info : INDC3ID

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.29			999								
1.37			7423								
1.45			28312								
8.83	8.77	8.91	59627	2945399	Tetrachloro-m-Xylene	0.020000	2981355	-1.2	20.0		
10.42	10.35	10.49	111799	5709948	alpha-BHC	0.020000	5589965	2.1	20.0		
11.27	11.20	11.34	102579	5248525	gamma-BHC (Lindane)	0.020000	5128955	2.3	20.0		
11.52	11.45	11.59	36707	1878412	beta-BHC	0.020000	1835365	2.3	20.0		
11.96	11.90	12.04	96843	4983578	delta-BHC	0.020000	4842163	2.8	20.0		
12.49	12.42	12.56	94396	4844272	Heptachlor	0.020000	4719810	2.6	20.0		
13.22	13.16	13.30	86929	4480730	Aldrin	0.020000	4346475	3.0	20.0		
14.02			1014								
14.67	14.60	14.74	78596	4017505	Heptachlor Epoxide	0.020000	3929800	2.2	20.0		
14.96	14.89	15.03	78313	4028032	gamma-Chlordane	0.020000	3915650	2.8	20.0		
15.26	15.20	15.34	67531	3452365	alpha-Chlordane	0.020000	3376565	2.2	20.0		
15.46	15.39	15.53	136280	3488364	4,4'-DDE	0.040000	3407000	2.3	20.0		
15.57	15.50	15.64	72888	3581308	Endosulfan I	0.020000	3644385	-1.8	20.0		
16.11	16.05	16.19	140902	3622591	Dieldrin	0.040000	3522544	2.8	20.0		
16.41			3482								
16.63	16.56	16.70	108380	2848850	Endrin	0.040000	2709496	4.9	20.0		
16.79	16.72	16.86	99439	2594562	4,4'-DDD	0.040000	2485970	4.2	20.0		
17.13	17.07	17.21	116049	2950278	Endosulfan II	0.040000	2901228	1.7	20.0		
17.40	17.34	17.48	110860	2895586	4,4'-DDT	0.040000	2771495	4.3	20.0		
18.06	17.99	18.13	91614	2244869	Endrin Aldehyde	0.040000	2290355	-2.0	20.0		
18.47	18.40	18.54	221230	1161132	Methoxychlor	0.200000	1106151	4.7	20.0		
19.02	18.96	19.10	95235	2454690	Endosulfan sulfate	0.040000	2380880	3.0	20.0		
19.30			1759								
19.63	19.57	19.71	113382	2916991	Endrin Ketone	0.040000	2834560	2.8	20.0		
21.96	21.90	22.04	88092	2320776	Decachlorobiphenyl	0.040000	2202303	5.1	20.0		

Data File: /chem/tracegc82.i/i100610a.b/015iSEQ-PEM1.d

Date : 10-JUN-2010 23:18

Client ID: PEMID

Sample Info: SEQ-PEM1

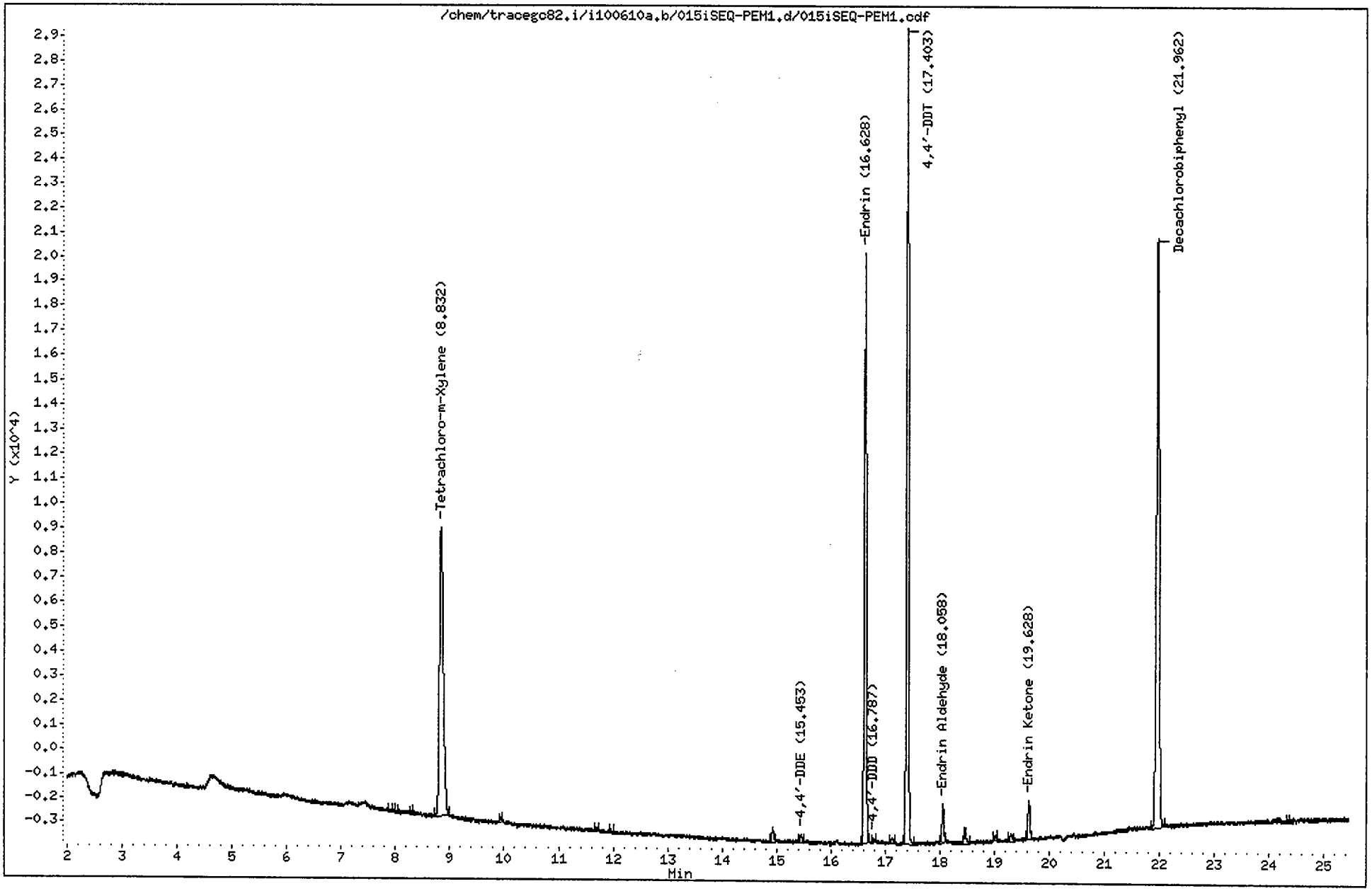
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc82.i

Operator: BWL

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM1 Client Smp Id : PEMID
Sample Type : SAMPLE Sublist : PEM
Inj Date : 10-JUN-2010 23:18 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610a.b/8081A_clpestv6.m
Misc. Info : PEMID

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
0.05			391								
1.30			605								
1.34			1979								
1.35			1002								
1.39			4334								
1.44			36460								
7.89			357								
8.00			333								
8.28			384								
8.83	8.77	8.91	58842	2945399	Tetrachloro-m-Xylene	0.019977	0.019977		100.9	43 - 135	
9.93			340								
11.70			429								
11.96			434								
14.93			1700								
15.45	15.39	15.53	949	3488364	4,4'-DDE	0.000272	0.000272	0.020000			J
16.63	16.56	16.70	60665	2848850	Endrin	0.021295	0.021295	0.020000			
16.79	16.72	16.86	413	2594562	4,4'-DDD	0.000159	0.000159	0.020000			J
17.13			471								
17.40	17.34	17.48	83262	2895586	4,4'-DDT	0.028755	0.028755	0.020000			
18.06	17.99	18.13	3676	2244869	Endrin Aldehyde	0.001637	0.001637	0.020000			JM2
18.46			1996								
19.01			412								
19.30			802								
19.63	19.57	19.71	4101	2916991	Endrin Ketone	0.001406	0.001406	0.020000			JM2
21.96	21.90	22.04	87136	2320776	Decachlorobiphenyl	0.037546	0.037546		94.8	43 - 144	
24.33			328								

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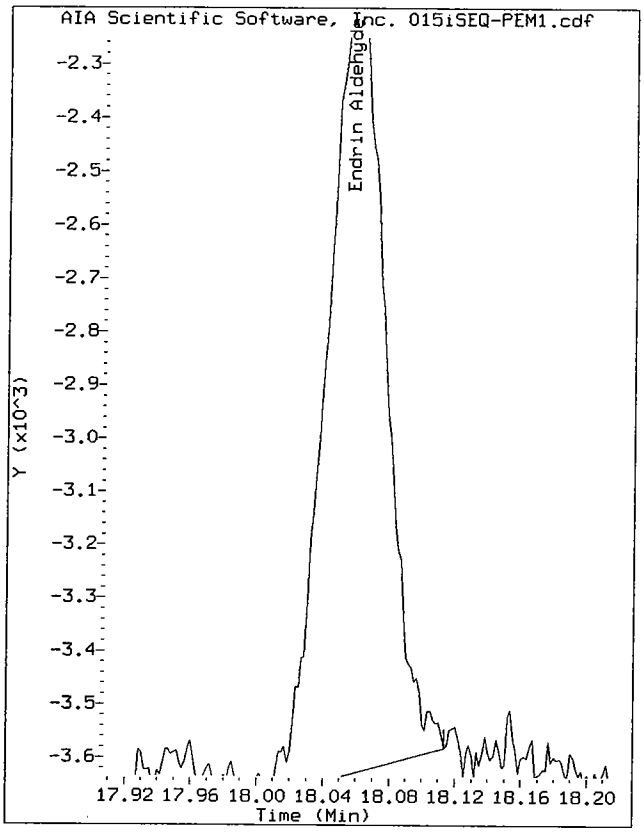
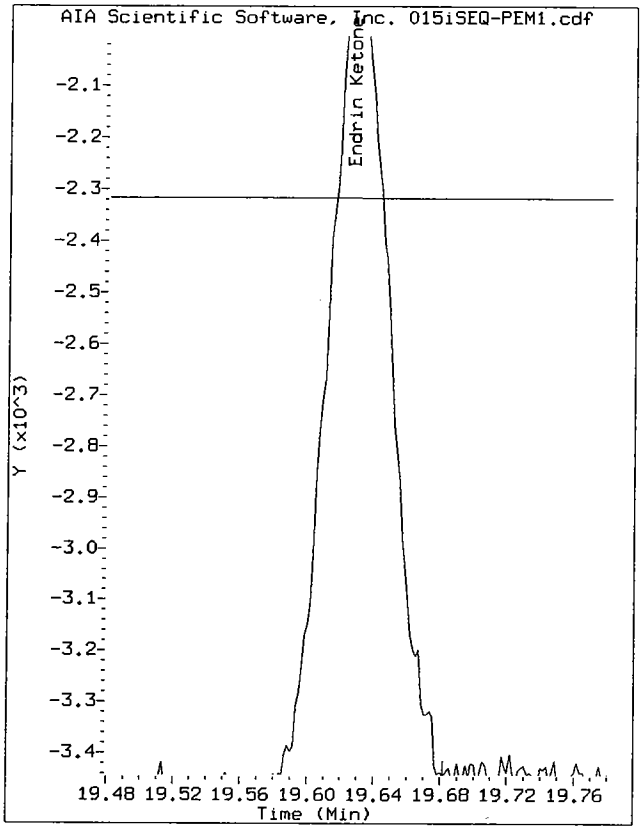
Manually Integrated Peaks

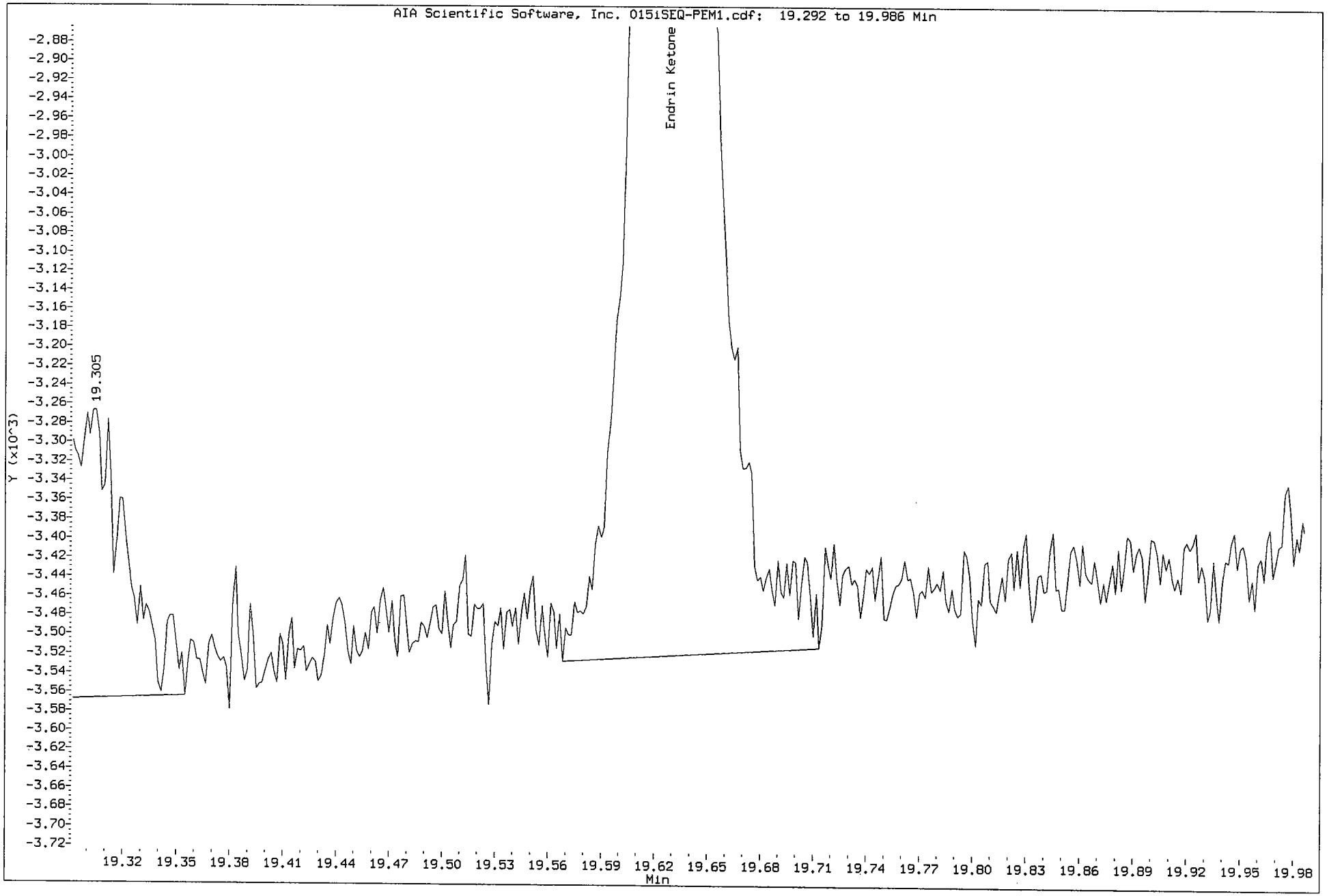


Start: 18.01 Stop: 18.11

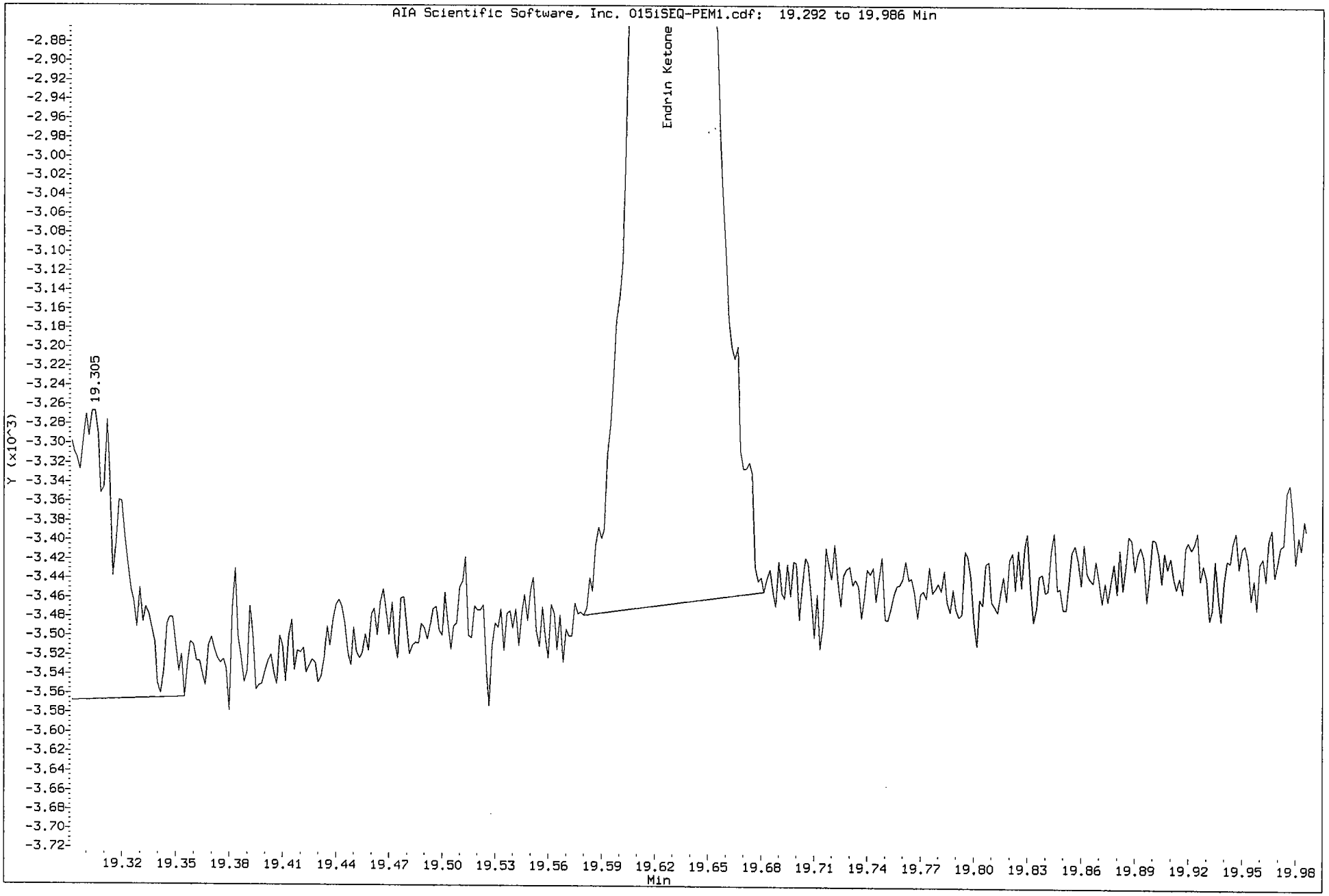


Start: 19.58 Stop: 19.68

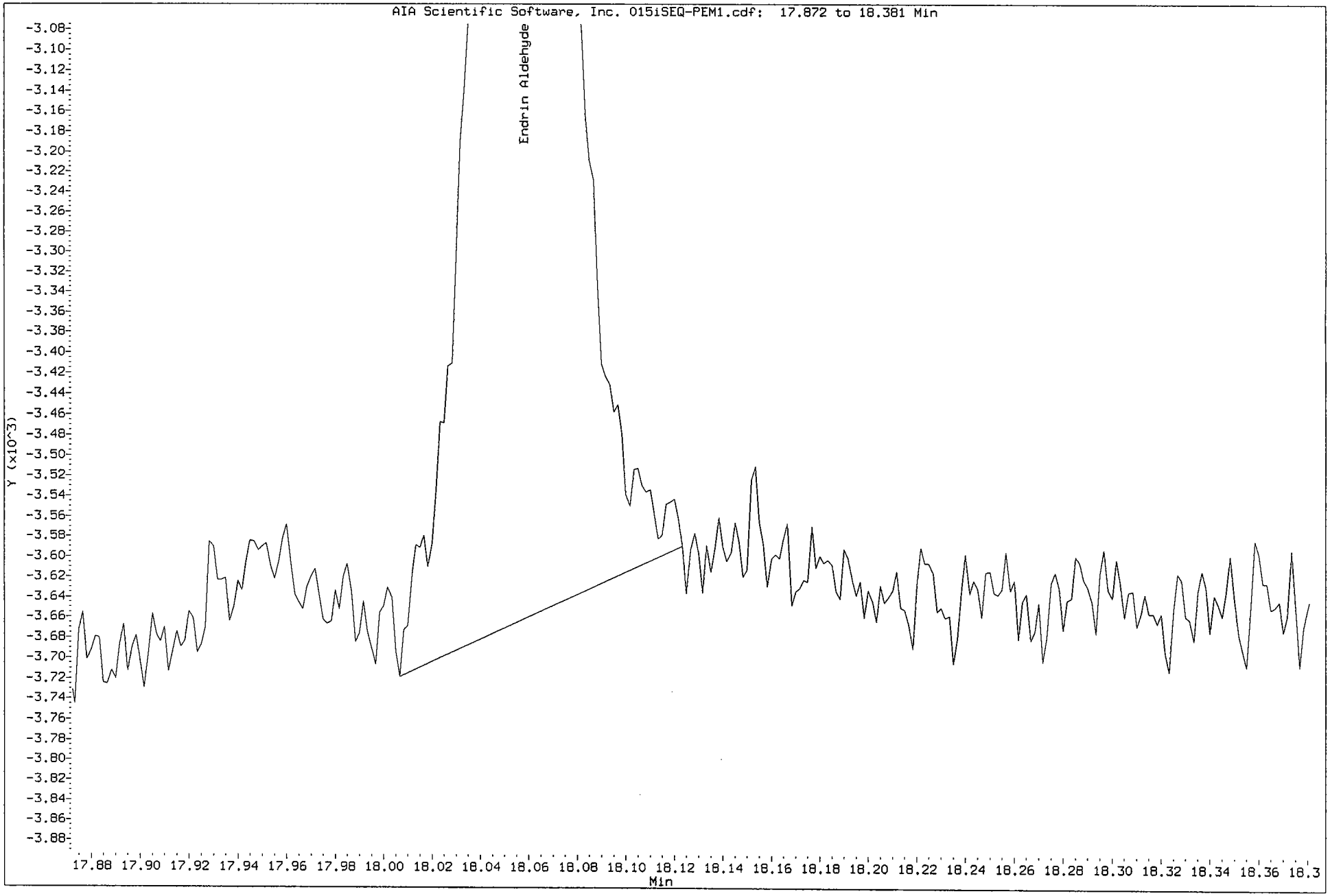
Data File: /chem/tracegc82.i/i100610a.b/015iSEQ-PEM1.d/015iSEQ-PEM1.cdf
Injection Date: 10-JUN-2010 23:18
Instrument: tracegc82.i
Client Sample ID: PEMID



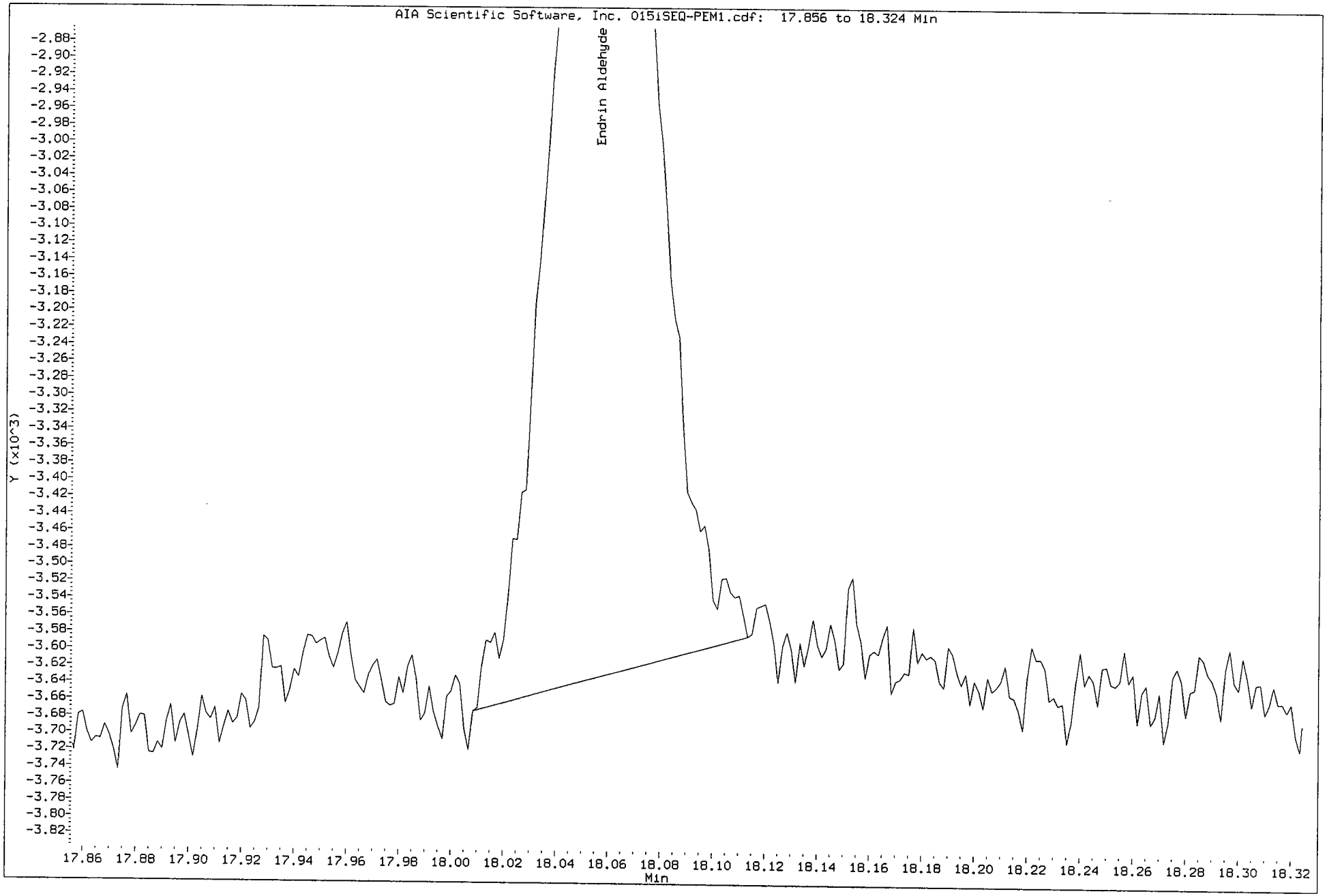
Data File: /chem/tracegc82.i/i100610a.b/015iSEQ-PEM1.d/015iSEQ-PEM1.cdf
Injection Date: 10-JUN-2010 23:18
Instrument: tracegc82.i
Client Sample ID: PEMID



Data File: /chem/tracegc82.i/i100610a.b/0151SEQ-PEM1.d/0151SEQ-PEM1.cdf
Injection Date: 10-JUN-2010 23:18
Instrument: tracegc82.i
Client Sample ID: PEMID



Data File: /chem/tracegc82.i/i100610a.b/015iSEQ-PEM1.d/015iSEQ-PEM1.cdf
Injection Date: 10-JUN-2010 23:18
Instrument: tracegc82.i
Client Sample ID: PEMID



Data File: /chem/tracegc82.i/i100610a_2C.b/014iSEQ-CCV1.d

Date : 10-JUN-2010 22:49

Client ID: INDC3ID

Sample Info: SEQ-CCV1

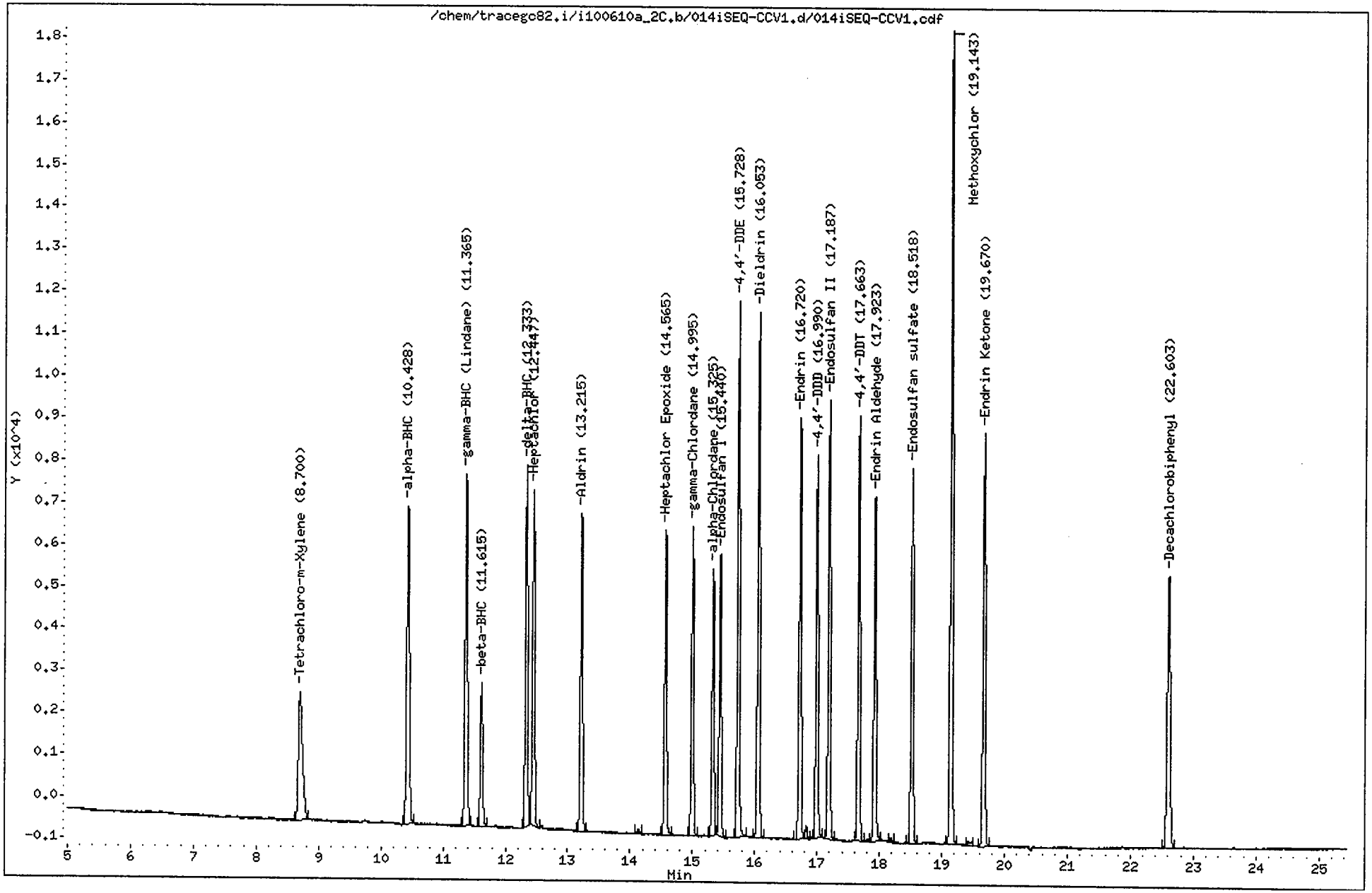
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV1 Client Smp Id : INDC3ID
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 10-JUN-2010 22:49 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610a_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3ID

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.37			951								
1.50			2654								
2.64			579								
8.70	8.63	8.77	14162	708805	Tetrachloro-m-Xylene	0.020000	708110	0.1	20.0		
10.43	10.36	10.50	23401	1189972	alpha-BHC	0.020000	1170030	1.7	20.0		
11.36	11.29	11.43	22040	1121952	gamma-BHC (Lindane)	0.020000	1102020	1.8	20.0		
11.62	11.55	11.69	8790	437132	beta-BHC	0.020000	439497	-0.5	20.0		
12.33	12.26	12.40	20176	1032470	delta-BHC	0.020000	1008797	2.3	20.0		
12.45	12.38	12.52	19863	997000	Heptachlor	0.020000	993135	0.4	20.0		
13.22	13.15	13.29	18430	934385	Aldrin	0.020000	921485	1.4	20.0		
14.14			224								
14.56	14.49	14.63	16988	854658	Heptachlor Epoxide	0.020000	849425	0.6	20.0		
15.00	14.93	15.07	17158	865155	gamma-Chlordane	0.020000	857880	0.8	20.0		
15.32	15.26	15.40	14687	736405	alpha-Chlordane	0.020000	734363	0.3	20.0		
15.44	15.37	15.51	15807	789088	Endosulfan I	0.020000	790345	-0.2	20.0		
15.73	15.66	15.80	29278	742671	4,4'-DDE	0.040000	731955	1.4	20.0		
16.05	15.98	16.12	29256	743382	Dieldrin	0.040000	731397	1.6	20.0		
16.72	16.65	16.79	23943	615390	Endrin	0.040000	598578	2.7	20.0		
16.83			645								
16.99	16.92	17.06	20777	531489	4,4'-DDD	0.040000	519434	2.3	20.0		
17.19	17.12	17.26	24888	626482	Endosulfan II	0.040000	622210	0.7	20.0		
17.66	17.59	17.73	23033	587788	4,4'-DDT	0.040000	575824	2.0	20.0		
17.81			170								
17.92	17.85	17.99	20147	494934	Endrin Aldehyde	0.040000	503687	-1.8	20.0		
18.18			201								
18.52	18.45	18.59	21523	546189	Endosulfan sulfate	0.040000	538080	1.5	20.0		
19.14	19.07	19.21	45029	231682	Methoxychlor	0.200000	225147	2.8	20.0		
19.43			306								
19.67	19.60	19.74	24260	610811	Endrin Ketone	0.040000	606510	0.7	20.0		
22.60	22.53	22.67	21007	535699	Decachlorobiphenyl	0.040000	525166	2.0	20.0		

Data File: /chem/tracegc82.i/i100610a_2C.b/015iSEQ-PEM1.d

Date : 10-JUN-2010 23:18

Client ID: PEMID

Instrument: tracegc82.i

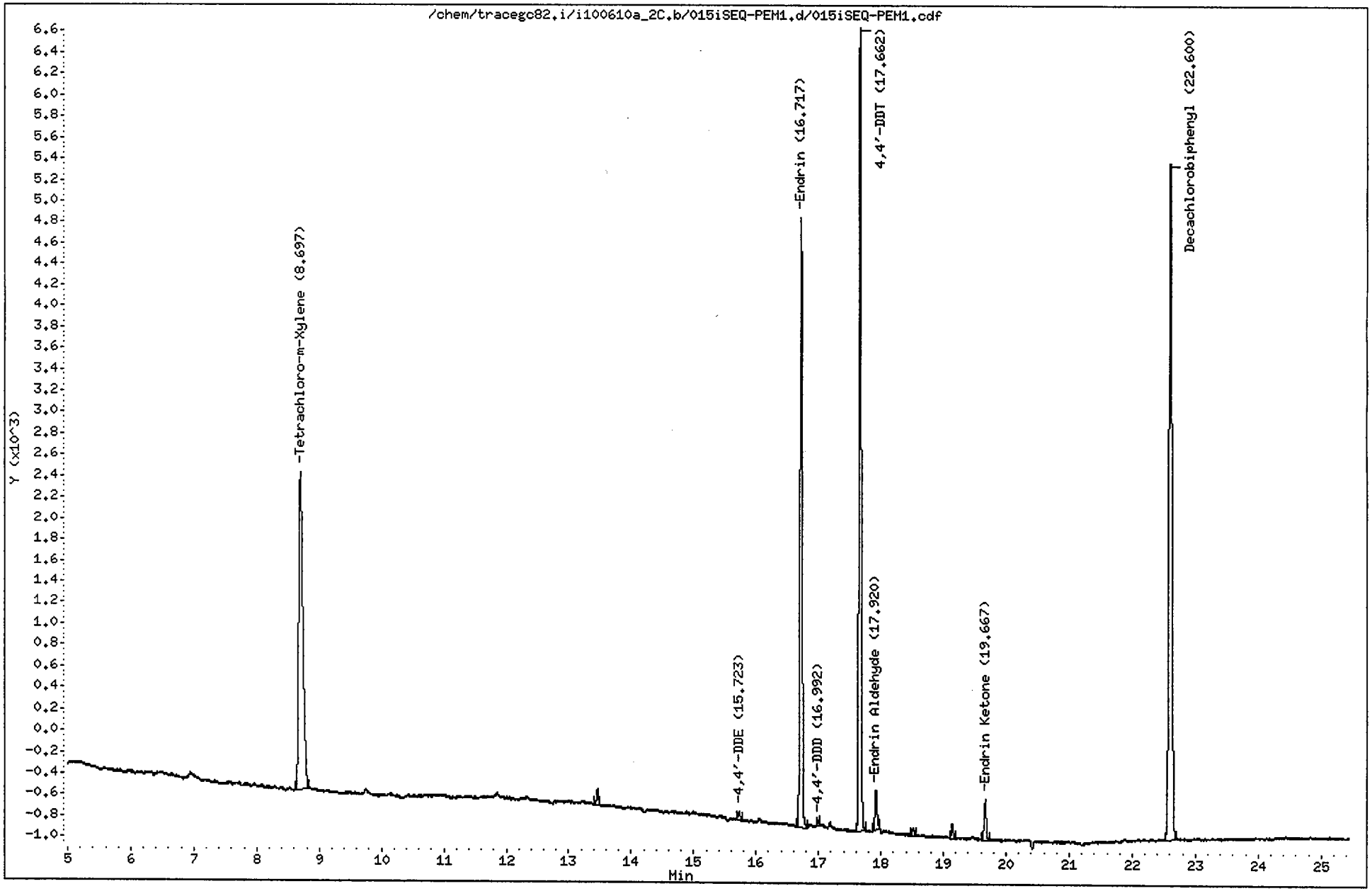
Sample Info: SEQ-PEM1

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM1 Client Smp Id : PEMID
Sample Type : SAMPLE Sublist : PEM
Inj Date : 10-JUN-2010 23:18 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610a_2C.b/8081A_clpest2v6.m
Misc. Info : PEMID

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

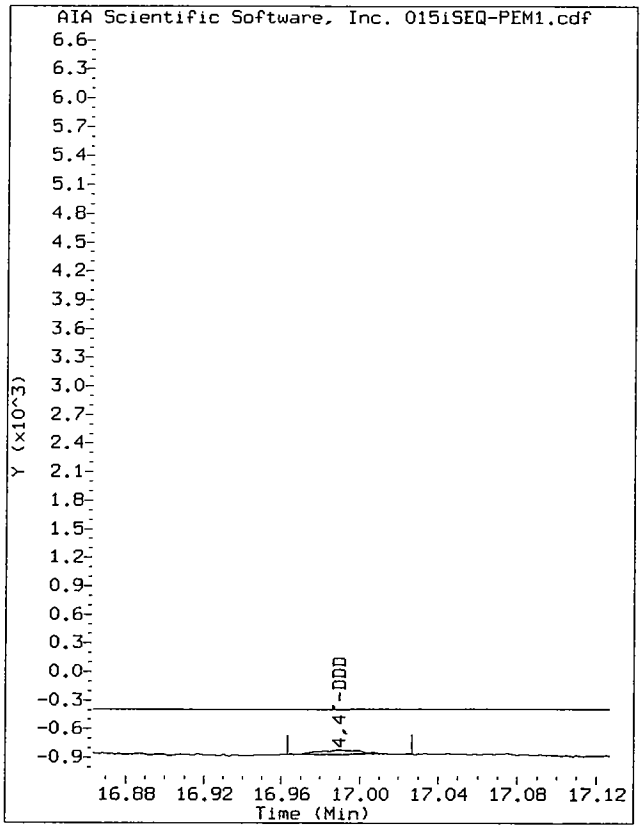
DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.37			742								
1.50			59535								
2.62			403								
8.70	8.63	8.77	14092	708805	Tetrachloro-m-Xylene	0.019881	0.019881		100.4	43 - 135	
13.46			308								
15.72	15.66	15.80	198	742671	4,4'-DDE	0.000266	0.000266	0.020000			J
16.72	16.65	16.79	13861	615390	Endrin	0.022524	0.022524	0.020000			
16.99	16.92	17.06	70	531489	4,4'-DDD	0.000131	0.000131	0.020000			JM
17.66	17.59	17.73	17377	587788	4,4'-DDT	0.029564	0.029564	0.020000			
17.92	17.85	17.99	850	494934	Endrin Aldehyde	0.001718	0.001718	0.020000			J
18.52			162								
19.14			327								
19.67	19.60	19.74	921	610811	Endrin Ketone	0.001507	0.001507	0.020000			J
22.60	22.53	22.67	20735	535699	Decachlorobiphenyl	0.038706	0.038706		97.7	43 - 144	

6/11/10 pm 6/11/10

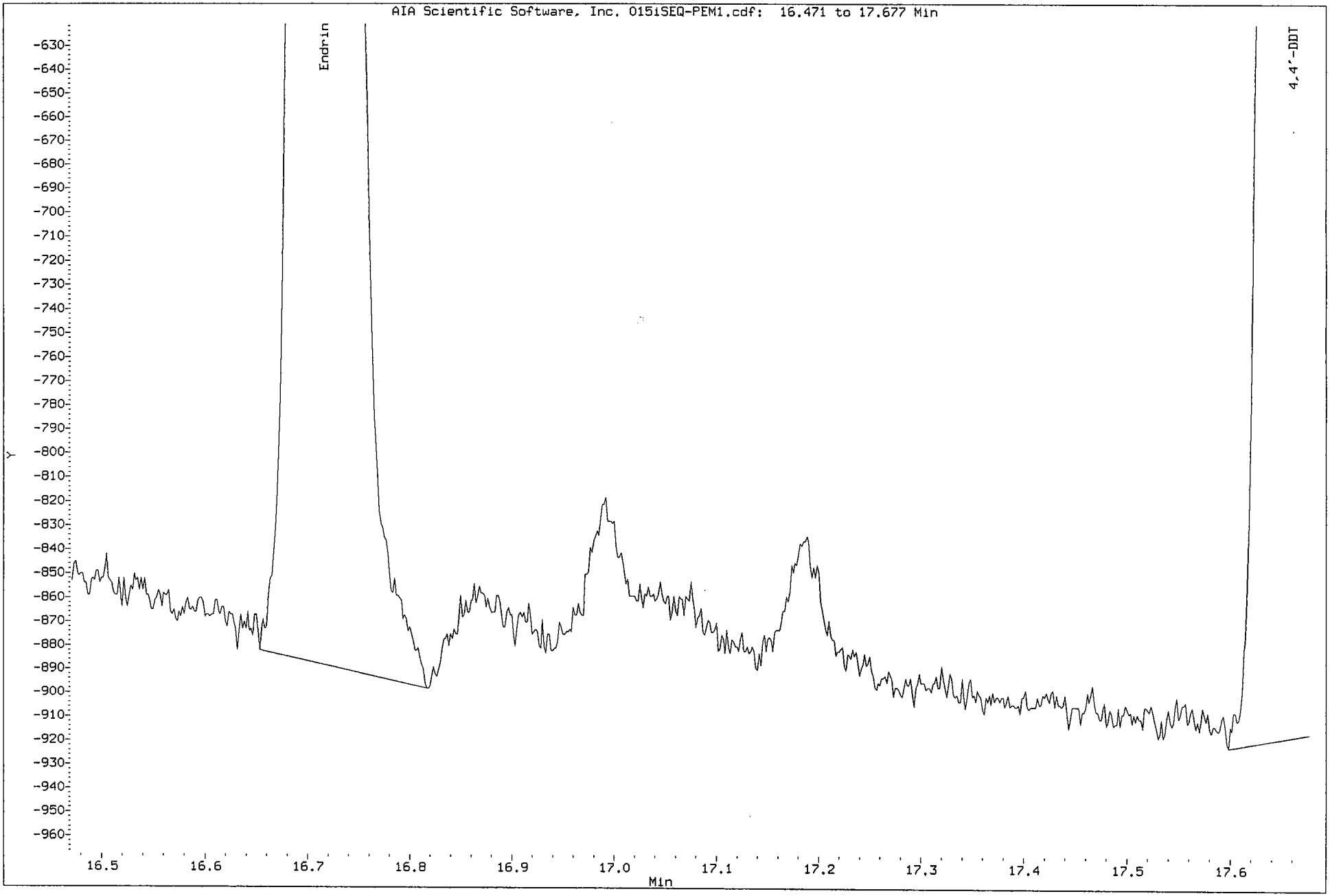
6/11/10

Manually Integrated Peaks

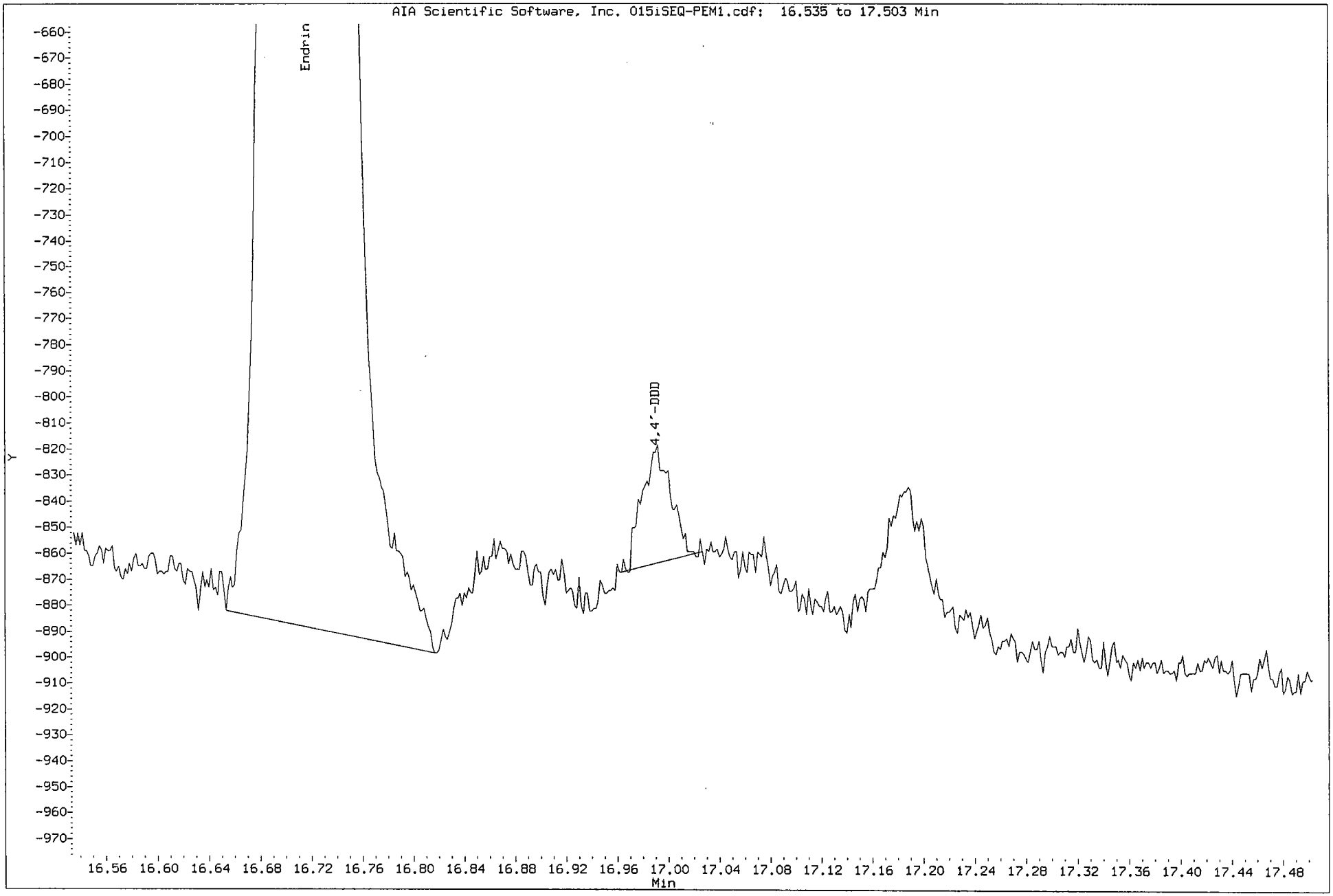


Start: 16.96 Stop: 17.03

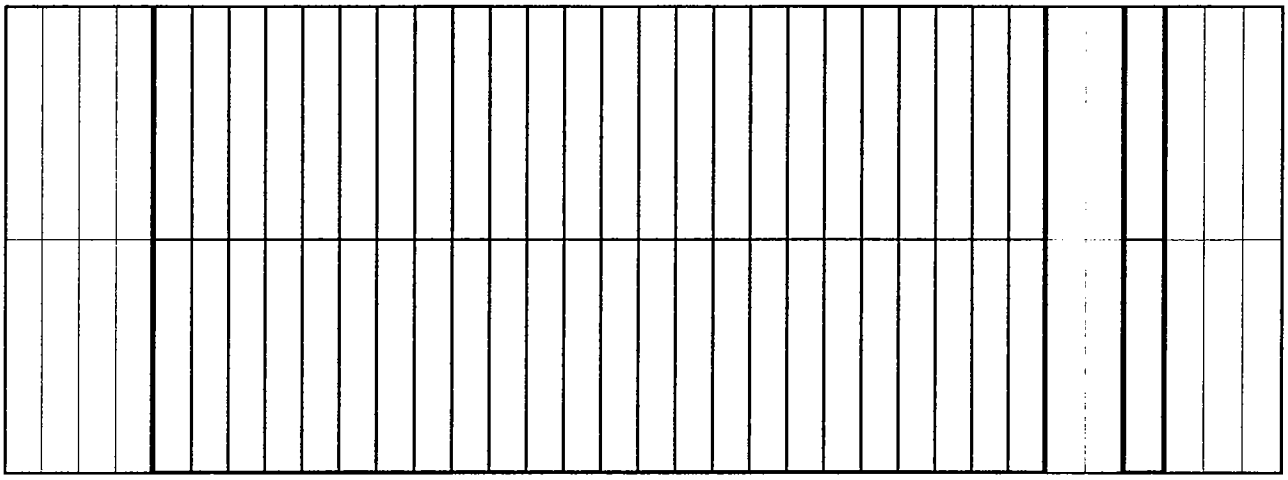
Data File: /chem/tracegc82.i/i100610a_2C.b/015iSEQ-PEM1.d/015iSEQ-PEM1.cdf
Injection Date: 10-JUN-2010 23:18
Instrument: tracegc82.i
Client Sample ID: PEMID



Data File: /chem/tracegc82.i/i100610a_2C.b/015iSEQ-PEM1.d/015iSEQ-PEM1.cdf
Injection Date: 10-JUN-2010 23:18
Instrument: tracegc82.i
Client Sample ID: PEMID

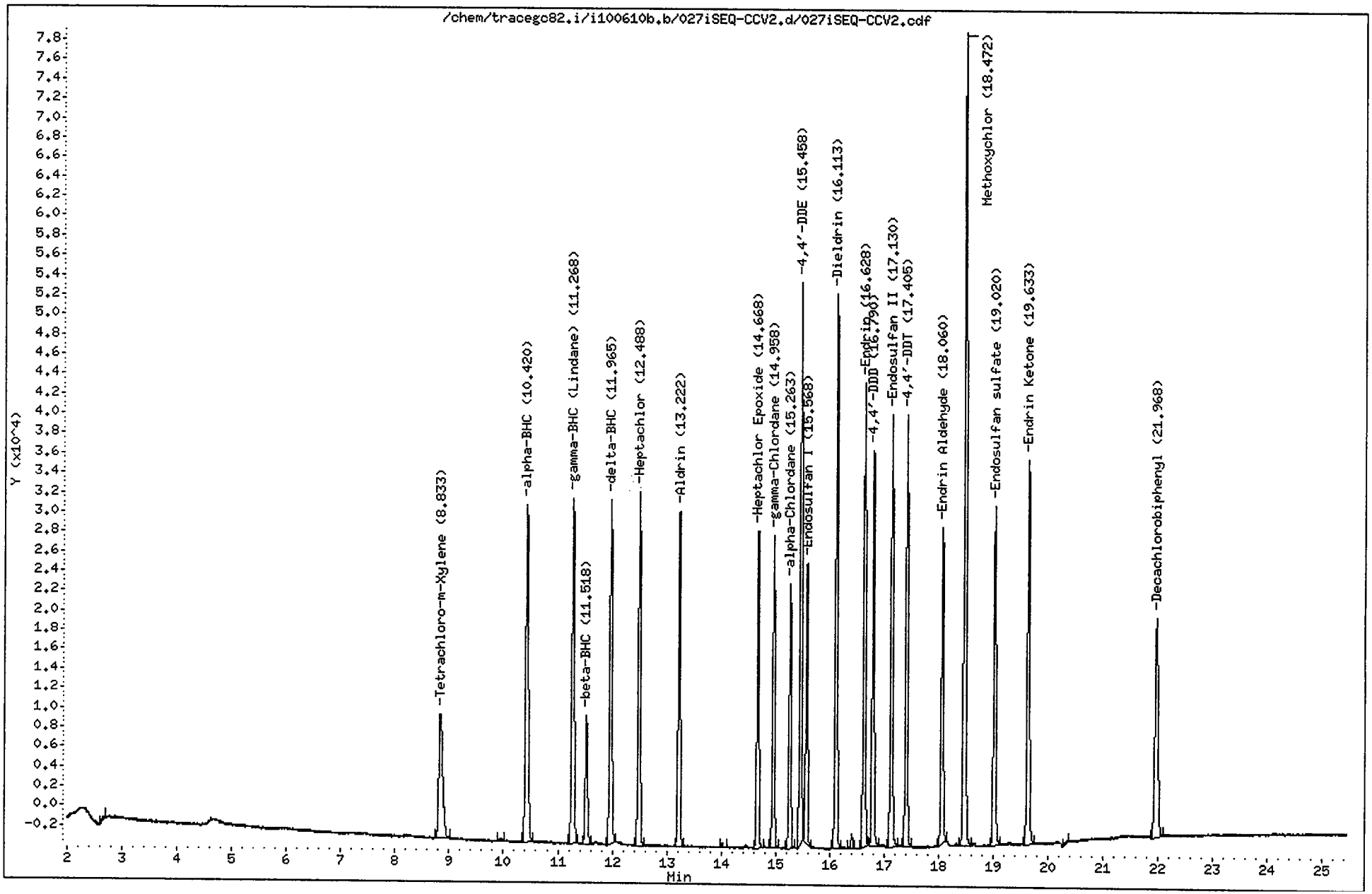


Manual Integrations							
SDG:							
Sample(s)	SEQ-PEM1						
Compound							
alpha-BHC							
gamma-BHC							
beta-BHC							
delta-BHC							
Heptachlor							
Aldrin							
Heptachlor Epoxide							
gamma-Chlordane							
alpha-Chlordane							
Endosulfan I							
4,4'-DDE							
Dieldrin							
Endrin							
4,4'-DDD	x						
Endosulfan II							
4,4'-DDT							
Endrin Aldehyde	x						
Endosulfan sulfate							
Methoxychlor							
Endrin Ketone	x						
Toxaphene							
Technical Chordane							
Tetrachloro-m-xylene							
Decachlorbiphenyl							
"X" Denotes a manual integration for the compound							



Data File: /chem/tracegc82.i/i100610b.b/027iSEQ-CCV2.d
Date : 11-JUN-2010 05:08
Client ID: INDC3IF
Sample Info: SEQ-CCV2
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV2 Client Smp Id : INDC3IF
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 11-JUN-2010 05:08 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610b.b/8081A_clpestv6.m
Misc. Info : INDC3IF

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS
1.32			1142							
1.38			6867							
1.45			36664							
2.67			1063							
8.83	8.77	8.91	62129	2945399	Tetrachloro-m-Xylene	0.020000	3106450	-5.5	20.0	
9.94			1027							
10.42	10.35	10.49	116801	5709948	alpha-BHC	0.020000	5840070	-2.3	20.0	
11.27	11.20	11.34	107258	5248525	gamma-BHC (Lindane)	0.020000	5362910	-2.2	20.0	
11.52	11.45	11.59	37705	1878412	beta-BHC	0.020000	1885253	-0.4	20.0	
11.96	11.90	12.04	100640	4983578	delta-BHC	0.020000	5031987	-1.0	20.0	
12.49	12.42	12.56	98672	4844272	Heptachlor	0.020000	4933613	-1.8	20.0	
13.22	13.16	13.30	89932	4480730	Aldrin	0.020000	4496600	-0.4	20.0	
14.02			1155							
14.67	14.60	14.74	81323	4017505	Heptachlor Epoxide	0.020000	4066135	-1.2	20.0	
14.96	14.89	15.03	79992	4028032	gamma-Chlordane	0.020000	3999610	0.7	20.0	
15.26	15.20	15.34	68938	3452365	alpha-Chlordane	0.020000	3446900	0.2	20.0	
15.46	15.39	15.53	138534	3488364	4,4'-DDE	0.040000	3463348	0.7	20.0	
15.57	15.50	15.64	70870	3581308	Endosulfan I	0.020000	3543500	1.1	20.0	
16.11	16.05	16.19	144633	3622591	Dieldrin	0.040000	3615818	0.2	20.0	
16.41			3558							
16.63	16.56	16.70	120512	2848850	Endrin	0.040000	3012790	-5.8	20.0	
16.79	16.72	16.86	102304	2594562	4,4'-DDD	0.040000	2557596	1.4	20.0	
17.13	17.07	17.21	116676	2950278	Endosulfan II	0.040000	2916892	1.1	20.0	
17.40	17.34	17.48	111354	2895586	4,4'-DDT	0.040000	2783858	3.9	20.0	
18.06	17.99	18.13	84950	2244869	Endrin Aldehyde	0.040000	2123757	5.4	20.0	
18.47	18.40	18.54	228087	1161132	Methoxychlor	0.200000	1140437	1.8	20.0	
19.02	18.96	19.10	94397	2454690	Endosulfan sulfate	0.040000	2359937	3.9	20.0	
19.63	19.57	19.71	111183	2916991	Endrin Ketone	0.040000	2779563	4.7	20.0	
20.36			928							
21.97	21.90	22.04	85832	2320776	Decachlorobiphenyl	0.040000	2145810	7.5	20.0	

Data File: /chem/tracegc82.i/i100610b.b/028iSEQ-PEM2.d

Date : 11-JUN-2010 05:37

Client ID: PEMIF

Instrument: tracegc82.i

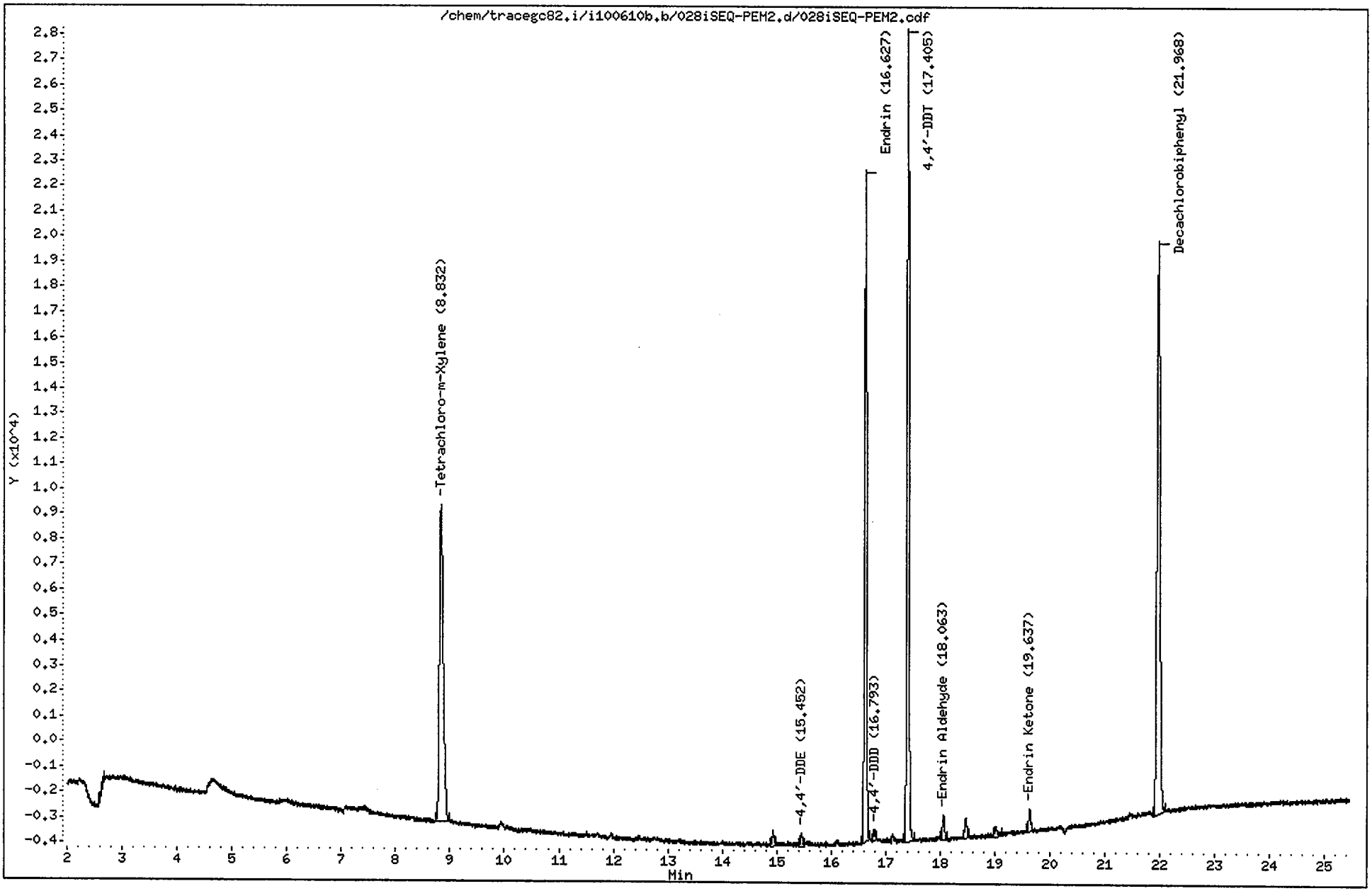
Sample Info: SEQ-PEM2

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM2 Client Smp Id : PEMIF
Sample Type : SAMPLE Sublist : PEM
Inj Date : 11-JUN-2010 05:37 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610b.b/8081A_clpestv6.m
Misc. Info : PEMIF

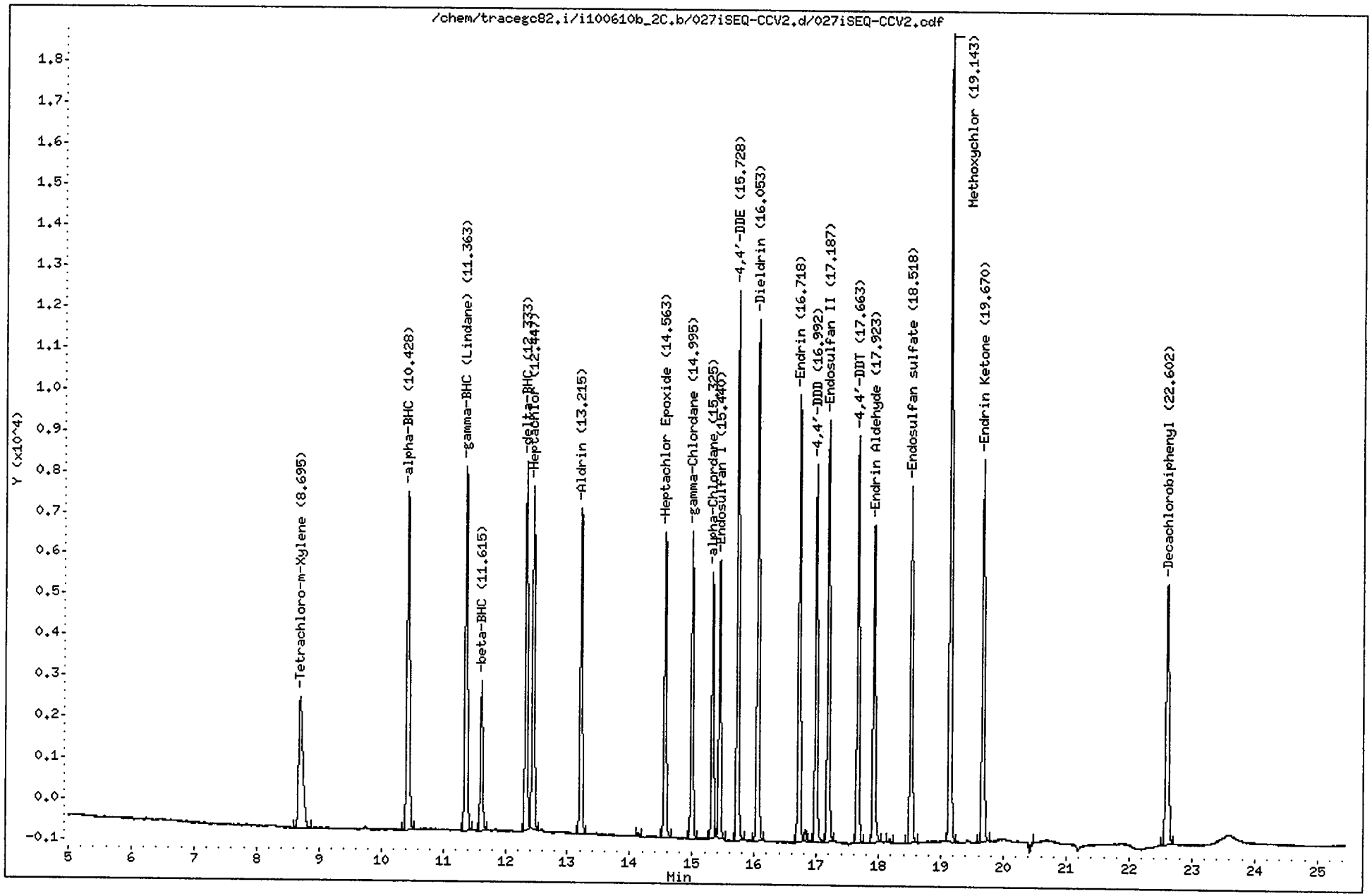
Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.04			918								
1.39			9304								
1.45			36726								
2.66			1122								
8.83	8.77	8.91	61084	2945399	Tetrachloro-m-Xylene	0.020739	0.020739		104.7	43 - 135	
14.94			1593								
15.45	15.39	15.53	1475	3488364	4,4'-DDE	0.000423	0.000423	0.020000			J
16.63	16.56	16.70	67323	2848850	Endrin	0.023632	0.023632	0.020000			
16.79	16.72	16.86	1062	2594562	4,4'-DDD	0.000409	0.000409	0.020000			J
17.40	17.34	17.48	83356	2895586	4,4'-DDT	0.028787	0.028787	0.020000			
18.06	17.99	18.13	2604	2244869	Endrin Aldehyde	0.001160	0.001160	0.020000			J
18.47			2294								
19.02			1416								
19.64	19.57	19.71	2365	2916991	Endrin Ketone	0.000811	0.000811	0.020000			J
21.97	21.90	22.04	86567	2320776	Decachlorobiphenyl	0.037301	0.037301		94.2	43 - 144	

Data File: /chem/tracegc82.i/i100610b_2C.b/027iSEQ-CCV2.d
Date : 11-JUN-2010 05:08
Client ID: INDC3IF
Sample Info: SEQ-CCV2
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

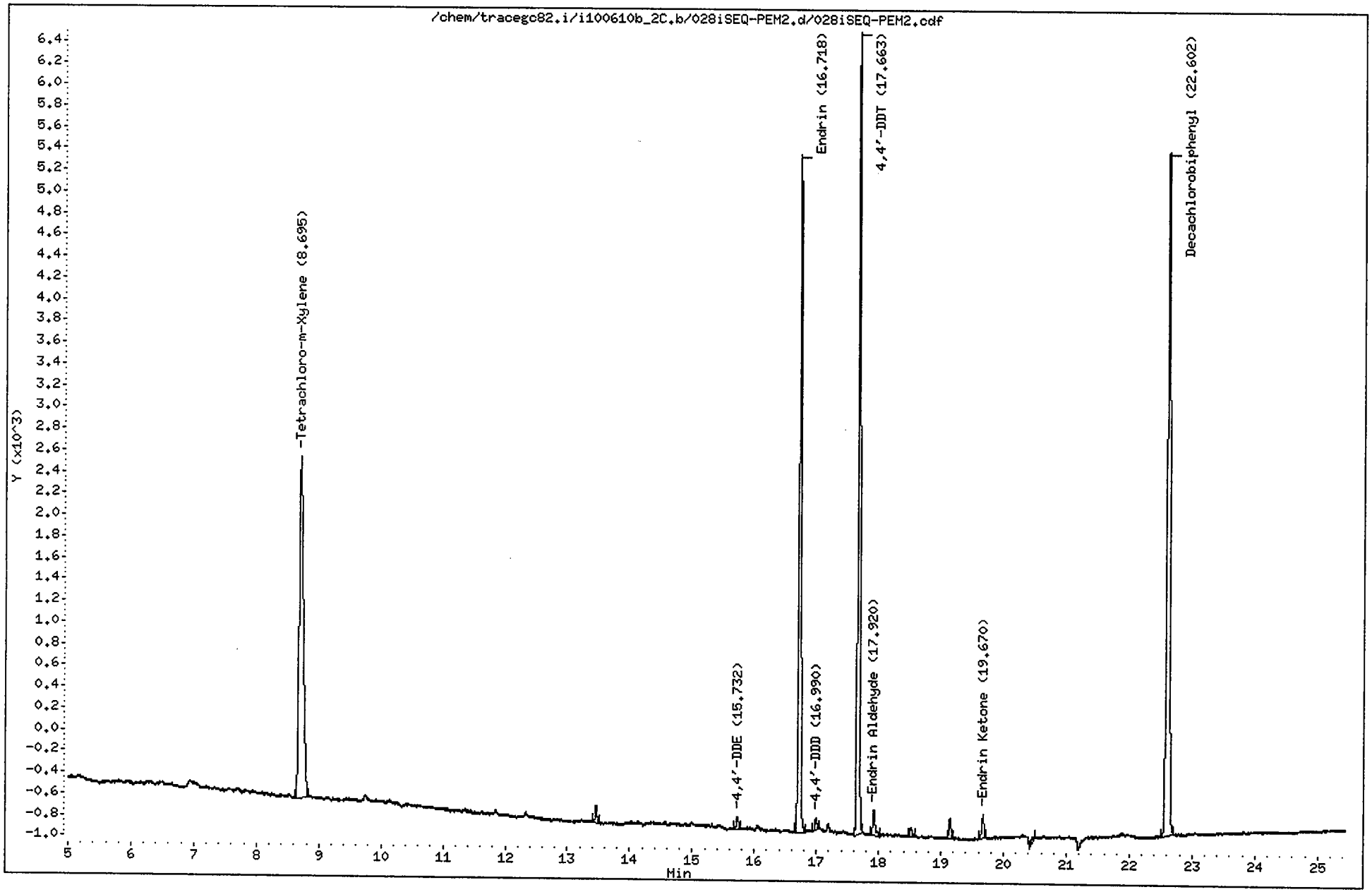
Lab Smp Id : SEQ-CCV2 Client Smp Id : INDC3IF
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 11-JUN-2010 05:08 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610b_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3IF

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.30			301								
1.37			1459								
1.50			29256								
2.61			205								
8.70	8.63	8.77	15268	708805	Tetrachloro-m-Xylene	0.020000	763395	-7.7	20.0		
10.43	10.36	10.50	24952	1189972	alpha-BHC	0.020000	1247600	-4.8	20.0		
11.36	11.29	11.43	23461	1121952	gamma-BHC (Lindane)	0.020000	1173065	-4.6	20.0		
11.62	11.55	11.69	9102	437132	beta-BHC	0.020000	455085	-4.1	20.0		
12.33	12.26	12.40	21194	1032470	delta-BHC	0.020000	1059722	-2.6	20.0		
12.45	12.38	12.52	20881	997000	Heptachlor	0.020000	1044065	-4.7	20.0		
13.22	13.15	13.29	19317	934385	Aldrin	0.020000	965827	-3.4	20.0		
14.14			243								
14.56	14.49	14.63	17591	854658	Heptachlor Epoxide	0.020000	879560	-2.9	20.0		
15.00	14.93	15.07	17592	865155	gamma-Chlordane	0.020000	879590	-1.7	20.0		
15.32	15.26	15.40	14885	736405	alpha-Chlordane	0.020000	744270	-1.1	20.0		
15.44	15.37	15.51	16026	789088	Endosulfan I	0.020000	801275	-1.5	20.0		
15.73	15.66	15.80	30262	742671	4,4'-DDE	0.040000	756558	-1.9	20.0		
16.05	15.98	16.12	30063	743382	Dieldrin	0.040000	751585	-1.1	20.0		
16.72	16.65	16.79	26029	615390	Endrin	0.040000	650729	-5.7	20.0		
16.83			596								
16.99	16.92	17.06	21423	531489	4,4'-DDD	0.040000	535580	-0.8	20.0		
17.19	17.12	17.26	25042	626482	Endosulfan II	0.040000	626040	0.1	20.0		
17.66	17.59	17.73	22851	587788	4,4'-DDT	0.040000	571273	2.8	20.0		
17.92	17.85	17.99	19470	494934	Endrin Aldehyde	0.040000	486742	1.7	20.0		
18.18			217								
18.52	18.45	18.59	21339	546189	Endosulfan sulfate	0.040000	533481	2.3	20.0		
19.14	19.07	19.21	45962	231682	Methoxychlor	0.200000	229810	0.8	20.0		
19.67	19.60	19.74	23522	610811	Endrin Ketone	0.040000	588045	3.7	20.0		
20.47			207								
22.60	22.53	22.67	20492	535699	Decachlorobiphenyl	0.040000	512292	4.4	20.0		

Data File: /chem/tracegc82.i/i100610b_2C.b/028iSEQ-PEM2.d
Date : 11-JUN-2010 05:37
Client ID: PEMIF
Sample Info: SEQ-PEM2
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM2 Client Smp Id : PEMIF
Sample Type : SAMPLE Sublist : PEM
Inj Date : 11-JUN-2010 05:37 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610b_2C.b/8081A_clpest2v6.m
Misc. Info : PEMIF

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

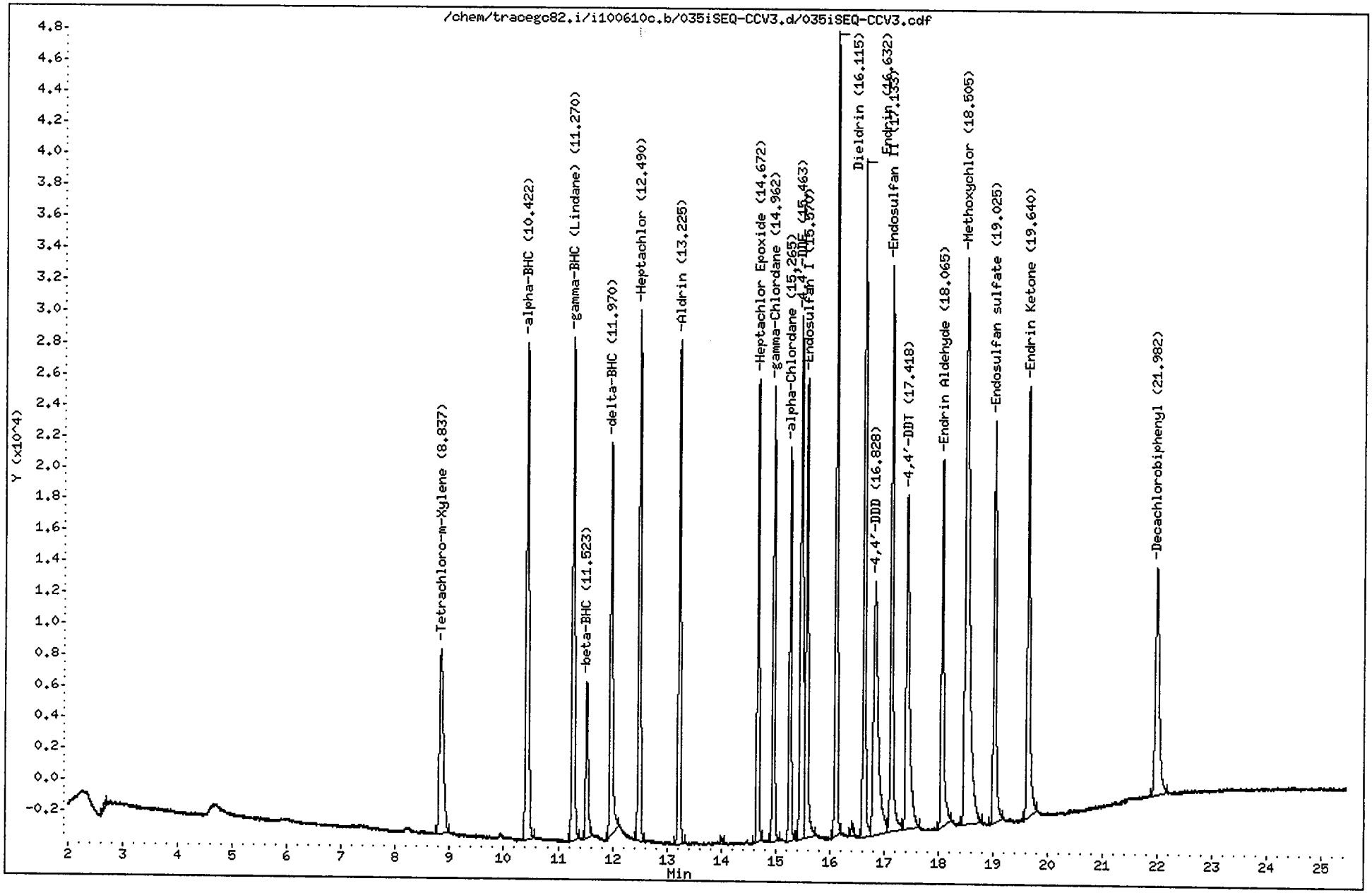
DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.37			1136								
1.50			57378								
2.62			466								
8.70	8.63	8.77	15056	708805	Tetrachloro-m-Xylene	0.021242	0.021242		107.3	43 - 135	
13.46			344								
15.73	15.66	15.80	309	742671	4,4'-DDE	0.000416	0.000416	0.020000			J
16.72	16.65	16.79	15039	615390	Endrin	0.024437	0.024437	0.020000			
16.99	16.92	17.06	263	531489	4,4'-DDD	0.000496	0.000496	0.020000			J
17.66	17.59	17.73	17182	587788	4,4'-DDT	0.029232	0.029232	0.020000			
17.92	17.85	17.99	664	494934	Endrin Aldehyde	0.001342	0.001342	0.020000			J
18.51			233								
19.14			427								
19.67	19.60	19.74	545	610811	Endrin Ketone	0.000892	0.000892	0.020000			J
20.47			221								
22.60	22.53	22.67	20622	535699	Decachlorobiphenyl	0.038495	0.038495		97.2	43 - 144	

Data File: /chem/tracegc82.i/i100610c.b/035iSEQ-CCV3.d
Date : 11-JUN-2010 09:01
Client ID: INDC3IH
Sample Info: SEQ-CCV3
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



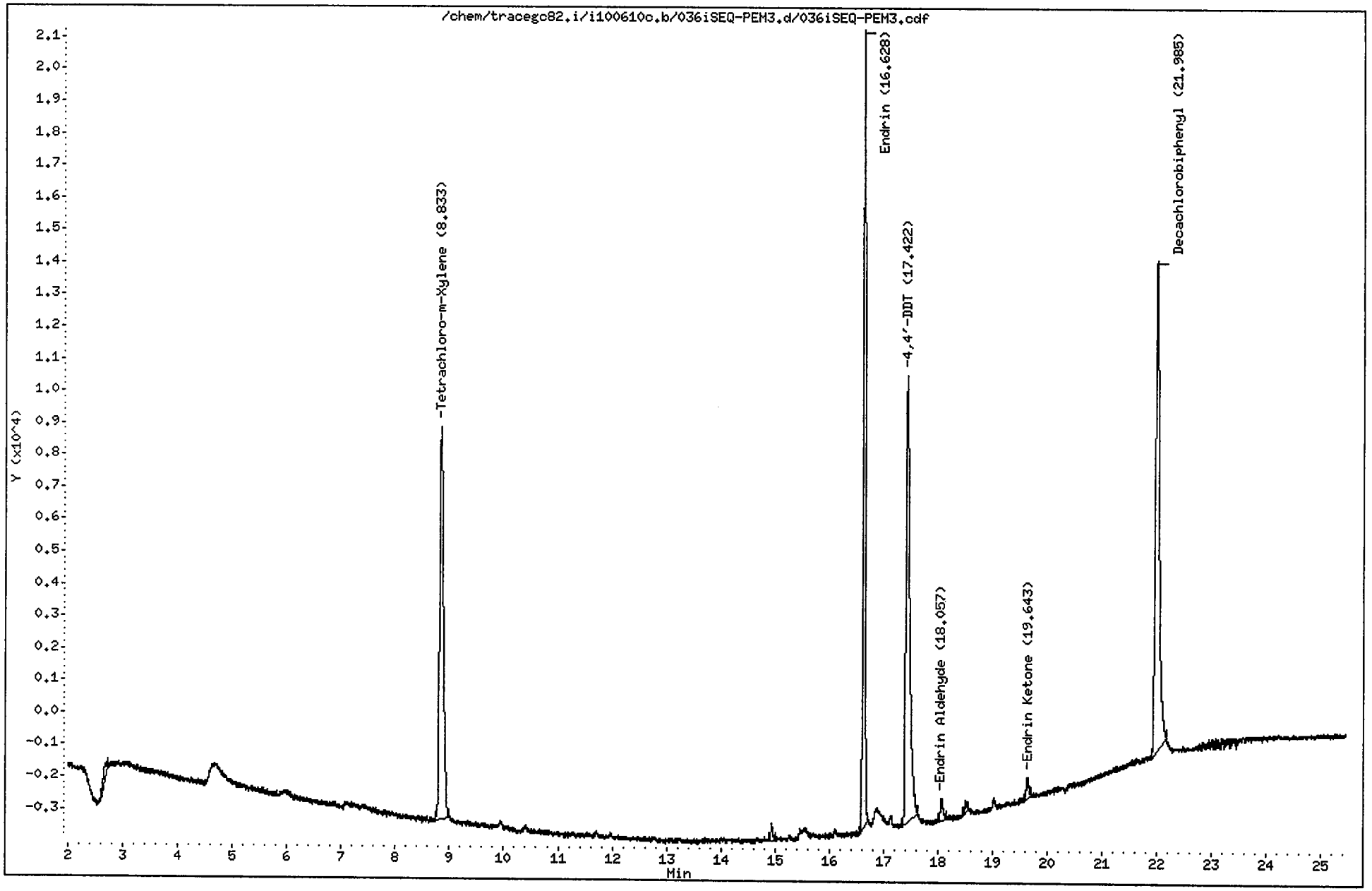
CompuChem

Lab Smp Id : SEQ-CCV3 Client Smp Id : INDC3IH
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 11-JUN-2010 09:01 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610c.b/8081A_clpestv6.m
Misc. Info : INDC3IH

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.37			5546								
1.45			33650								
2.68			1303								
8.84	8.77	8.91	58454	2945399	Tetrachloro-m-Xylene	0.020000	2922710	0.8	20.0		
10.42	10.35	10.49	108955	5709948	alpha-BHC	0.020000	5447763	4.6	20.0		
11.27	11.20	11.34	98377	5248525	gamma-BHC (Lindane)	0.020000	4918850	6.3	20.0		
11.52	11.45	11.59	30090	1878412	beta-BHC	0.020000	1504483	19.9	20.0		
11.97	11.90	12.04	79186	4983578	delta-BHC	0.020000	3959287	20.6*	20.0	R	
12.49	12.42	12.56	93296	4844272	Heptachlor	0.020000	4664823	3.7	20.0		
13.22	13.16	13.30	85790	4480730	Aldrin	0.020000	4289510	4.3	20.0		
14.01			966								
14.67	14.60	14.74	74085	4017505	Heptachlor Epoxide	0.020000	3704235	7.8	20.0		
14.96	14.89	15.03	74145	4028032	gamma-Chlordane	0.020000	3707265	8.0	20.0		
15.26	15.20	15.34	63572	3452365	alpha-Chlordane	0.020000	3178598	7.9	20.0		
15.46	15.39	15.53	116210	3488364	4,4'-DDE	0.040000	2905241	16.7	20.0		
15.57	15.50	15.64	87104	3581308	Endosulfan I	0.020000	4355198	-21.6*	20.0	R	
16.12	16.05	16.19	131968	3622591	Dieldrin	0.040000	3299209	8.9	20.0		
16.41			2430								
16.63	16.56	16.70	114540	2848850	Endrin	0.040000	2863508	-0.5	20.0		
16.83	16.72	16.86	97738	2594562	4,4'-DDD	0.040000	2443446	5.8	20.0		
17.13	17.07	17.21	106001	2950278	Endosulfan II	0.040000	2650021	10.2	20.0		
17.42	17.34	17.48	94993	2895586	4,4'-DDT	0.040000	2374824	18.0	20.0		
18.06	17.99	18.13	74366	2244869	Endrin Aldehyde	0.040000	1859139	17.2	20.0		
18.50	18.40	18.54	189586	1161132	Methoxychlor	0.200000	947931	18.4	20.0		
19.02	18.96	19.10	78207	2454690	Endosulfan sulfate	0.040000	1955181	20.3*	20.0	R	
19.64	19.57	19.71	90837	2916991	Endrin Ketone	0.040000	2270927	22.1*	20.0	R	
21.98	21.90	22.04	71003	2320776	Decachlorobiphenyl	0.040000	1775085	23.5*	20.0	R	

Data File: /chem/tracegc82.i/i100610c.b/036iSEQ-PEM3.d
Date : 11-JUN-2010 09:30
Client ID: PEMIH
Sample Info: SEQ-PEM3
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM3 Client Smp Id : PEMIH
Sample Type : SAMPLE Sublist : PEM
Inj Date : 11-JUN-2010 09:30 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610c.b/8081A_clpestv6.m
Misc. Info : PEMIH

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

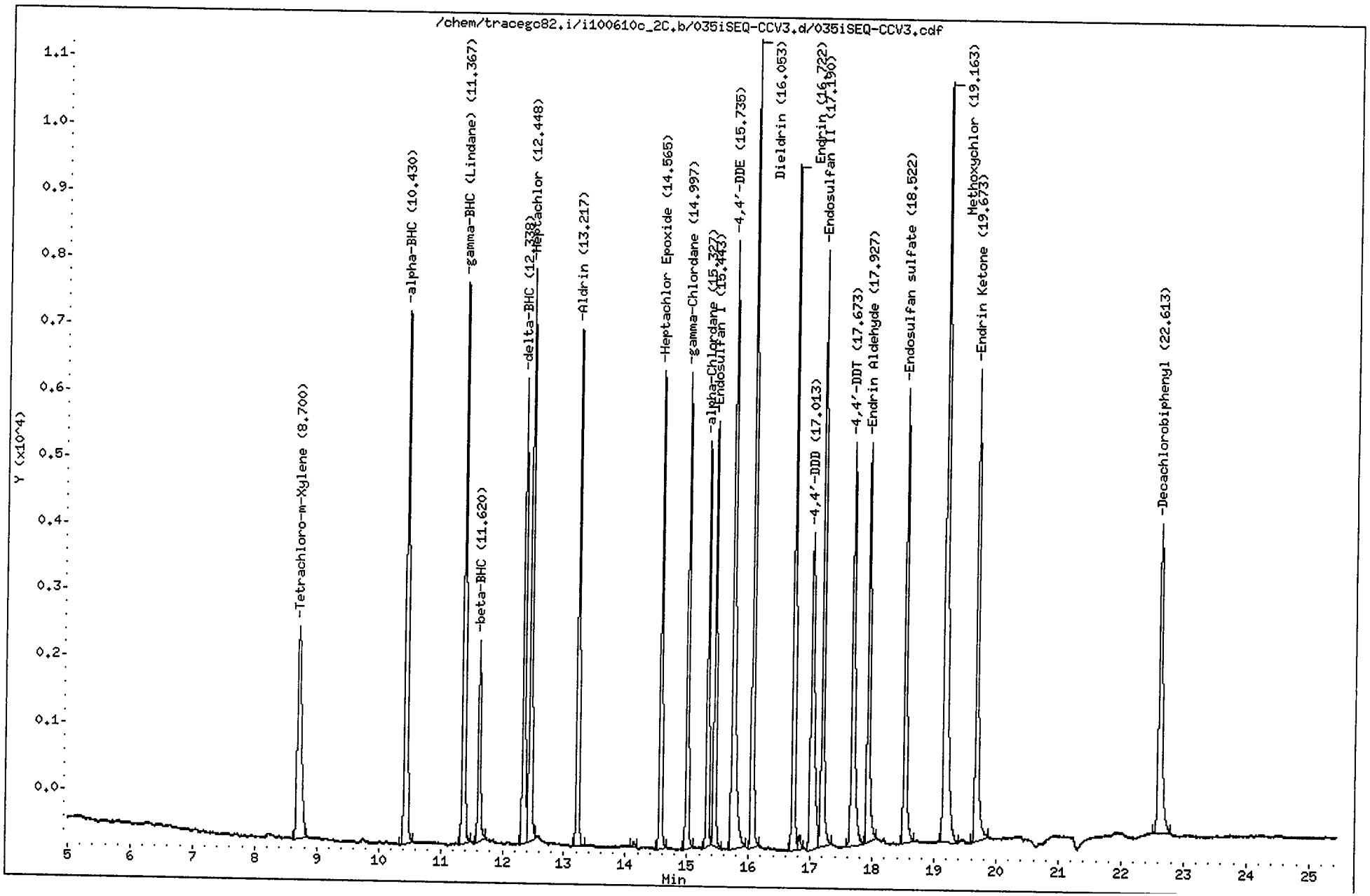
DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.39			7356								
1.45			37322								
2.68			1819								
8.83	8.77	8.91	60072	2945399	Tetrachloro-m-Xylene	0.020395	0.020395		103.0	43 - 135	
14.93			1360								
16.63	16.56	16.70	64110	2848850	Endrin	0.022504	0.022504	0.020000			
17.42	17.34	17.48	68970	2895586	4,4'-DDT	0.023819	0.023819	0.020000			
18.06	17.99	18.13	2404	2244869	Endrin Aldehyde	0.001071	0.001071	0.020000			J
18.51			1105								
19.64	19.57	19.71	2026	2916991	Endrin Ketone	0.000694	0.000694	0.020000			J
21.98	21.90	22.04	75066	2320776	Decachlorobiphenyl	0.032345	0.032345		81.7	43 - 144	
23.07			995								

Data File: /chem/tracegc82.i/i100610c_2C.b/035iSEQ-CCV3.d
Date : 11-JUN-2010 09:01
Client ID: INDC3IH
Sample Info: SEQ-CCV3
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV3
Sample Type : CONT CAL: Level 3
Inj Date : 11-JUN-2010 09:01
Operator : BWL
Method : /chem/tracegc82.i/i100610c_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3IH

Client Smp Id : INDC3IH
Sublist : INDA
Inst ID : TRACEGC82

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
0.06			191								
1.37			1096								
1.50			30934								
2.64			484								
8.70	8.63	8.77	14998	708805	Tetrachloro-m-Xylene	0.020000	749900	-5.8	20.0		
10.43	10.36	10.50	24226	1189972	alpha-BHC	0.020000	1211300	-1.8	20.0		
11.37	11.29	11.43	22384	1121952	gamma-BHC (Lindane)	0.020000	1119200	0.2	20.0		
11.62	11.55	11.69	7962	437132	beta-BHC	0.020000	398100	8.9	20.0		
12.34	12.26	12.40	17943	1032470	delta-BHC	0.020000	897100	13.1	20.0		
12.45	12.38	12.52	22187	997000	Heptachlor	0.020000	1109350	-11.3	20.0		
13.22	13.15	13.29	18903	934385	Aldrin	0.020000	945150	-1.2	20.0		
14.14			210								
14.56	14.49	14.63	16717	854658	Heptachlor Epoxide	0.020000	835800	2.2	20.0		
15.00	14.93	15.07	16727	865155	gamma-Chlordane	0.020000	836350	3.3	20.0		
15.33	15.26	15.40	14032	736405	alpha-Chlordane	0.020000	701600	4.7	20.0		
15.44	15.37	15.51	15222	789088	Endosulfan I	0.020000	761050	3.6	20.0		
15.74	15.66	15.80	30266	742671	4,4'-DDE	0.040000	756650	-1.9	20.0		
16.05	15.98	16.12	28529	743382	Dieldrin	0.040000	713225	4.1	20.0		
16.72	16.65	16.79	24751	615390	Endrin	0.040000	618750	-0.5	20.0		
16.83			617								
17.01	16.92	17.06	19448	531489	4,4'-DDD	0.040000	486175	8.5	20.0		
17.19	17.12	17.26	22804	626482	Endosulfan II	0.040000	570100	9.0	20.0		
17.67	17.59	17.73	20138	587788	4,4'-DDT	0.040000	503425	14.4	20.0		
17.93	17.85	17.99	16279	494934	Endrin Aldehyde	0.040000	406975	17.8	20.0		
18.52	18.45	18.59	18308	546189	Endosulfan sulfate	0.040000	457675	16.2	20.0		
19.16	19.07	19.21	40132	231682	Methoxychlor	0.200000	200655	13.4	20.0		
19.67	19.60	19.74	20555	610811	Endrin Ketone	0.040000	513850	15.9	20.0		
22.61	22.53	22.67	18115	535699	Decachlorobiphenyl	0.040000	452875	15.5	20.0		

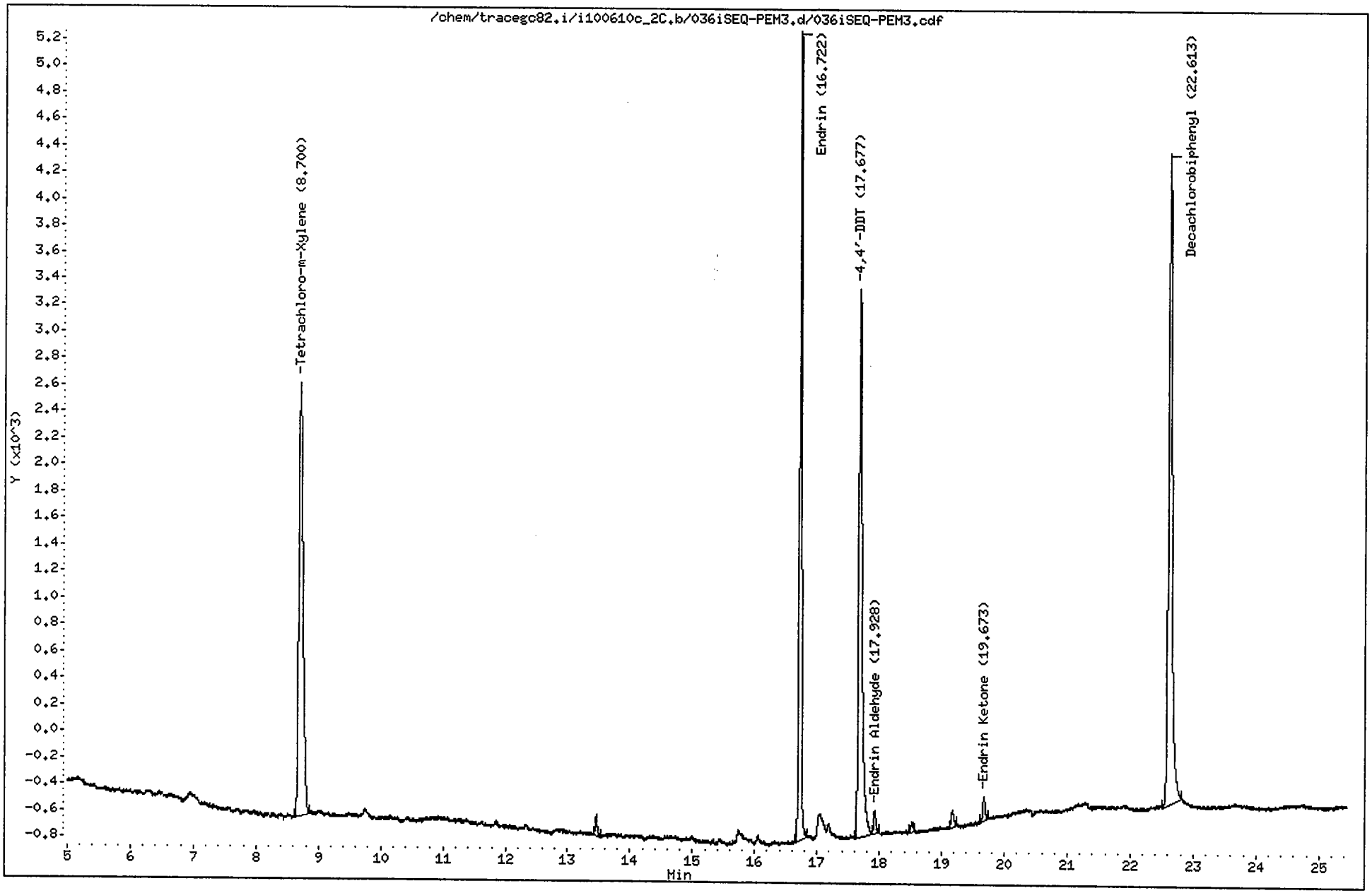
MZ/HZ 6/11/10

RW 6/11/10

Data File: /chem/tracegc82.i/i100610c_2C.b/036iSEQ-PEM3.d
Date : 11-JUN-2010 09:30
Client ID: PEMIH
Sample Info: SEQ-PEM3
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM3 Client Smp Id : PEMIH
Sample Type : SAMPLE Sublist : PEM
Inj Date : 11-JUN-2010 09:30 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610c_2C.b/8081A_clpest2v6.m
Misc. Info : PEMIH

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.37			1052								
1.50			64735								
2.65			687								
8.70	8.63	8.77	15496	708805	Tetrachloro-m-Xylene	0.021862	0.021862		110.4	43 - 135	
13.46			352								
16.72	16.65	16.79	14818	615390	Endrin	0.024079	0.024079	0.020000			
17.68	17.59	17.73	15406	587788	4,4'-DDT	0.026211	0.026211	0.020000			
17.93	17.85	17.99	465	494934	Endrin Aldehyde	0.000939	0.000939	0.020000			J
18.52			202								
19.17			395								
19.67	19.60	19.74	511	610811	Endrin Ketone	0.000837	0.000837	0.020000			J
22.61	22.53	22.67	19351	535699	Decachlorobiphenyl	0.036122	0.036122		91.2	43 - 144	

COMPUCHEM a Division of Liberty Analytical Corp Instrument ID 82/83 File Path: f100601 DATE 6/1/10

GC EXTRACTABLES RUN LOG Amt. Inj. 2 µL (1 µL per column)

LOGBOOK 4 M(4) 38 Method: 8081A 8081B 8082 8082A 8151A OLM04.3 OLC03.2 SOM01.2 (Circle one) or Other: _____

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1	✓	1		6/1/10	Hexane	〃	〃	WP	〃
2	✓	2		/ /	↓	↓	↓		
3		3	✓	/ /	OF01010 - PEM1	6E21002	PEMFA		
4		4	✓	/ /	-CAL1	6CL6001	INDCIFA		
5		5	✓	/ /	2	6CL6002	2		
6		6	✓	/ /	3	6E11005	3		
7		7	✓	/ /	4	6CL6004	4		
8		8	✓	/ /	5	6C26005	5		
9		9	✓	/ /	-ARC1	6D16008	7XAOH5FA		
10		10	✓	/ /	1 2	6C02004	CHLOLOSFA		
11		11	✓	/ /	-SCV1	6E25016	PESTCHKFA	↓	↓
12				/ /					
13				/ /					
14				/ /					
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
20				/ /					

6/2/10

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Calibration ID: 066201 Sequence ID: OF01010 Hexane Lot No 71940

REVIEWED BY: TAJ DATE 6/2/10

7/02/09:jr

COMPUCHEM a Division of Liberty Analytical Corp
GC EXTRACTABLES RUN LOG
LOGBOOK 4 M(4) 38

Instrument ID 82/83 File Path: f100601a DATE 6/1/10

Amt. Inj. 2 µL (1 µL per column)

Method: (8081A) 8081B 8082 8082A 8151A OLM04.3 OLC03.2 SOM01.2 (Circle one) or Other: _____

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		12		6/1/10	SEQ-16L1	0E07001		CH	
2		13	✓	/ /	-CCB1	↓	PIBLKFLFD		
3		14	✓	/ /	-CCV1	0E11005	INDCSFD		
4		15	✓	/ /	-PEM1	0E21002	PEMFD		
5		16	✓	/ /	005 1919-BLK1	UAAS			
6		17	✓	/ /	-BS1				
7		18	✓	6/2/10	-BSD1				
8		19	✓	/ /	-MS1				
9		20	✓	/ /	-MS2				
10		21	✓	/ /	-MSD1				
11		22	✓	/ /	-MSD2				
12		23	✓	/ /	10S132-01	10S132			
13		24	✓	/ /	↓ 02	↓			
14		25	✓	/ /	SEQ-16L2	0E07001			
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
20				/ /					

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KEH 6/3/10

Calibration ID: NA Sequence ID: NA Hexane Lot No 71940

REVIEWED BY: KEH DATE 6/3/10

7/02/09:jr

COMPUCHEM a Division of Liberty Analytical Corp Instrument ID 82/83 File Path: f100601b DATE 6/2/10

GC EXTRACTABLES RUN LOG Amt. Inj. 2 µL (1 µL per column)

LOGBOOK 4 M(4) 38 Method: 8081A ~~8081B~~ 8082 8082A 8151A OLM04.3 OLC03.2 SOM01.2 (Circle one) or Other: _____

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		26	✓	6/2/10	SBU-CCV2	0607001	PAHCFEPE	Q	
2		27	✓	/ /	-CCV2	0611001	PAHCFEPE		
3		28	✓	/ /	-BEM2	0621002	PBMPE		
4		29	✓	/ /	100732-03	100732			
5		30	✓	/ /	04				
6		31	✓	/ /	05				
7		32	✓	/ /	06				
8		33	✓	/ /	07				
9		34	✓	/ /	08				
10		35	✓	/ /	09				
11		36	✓	/ /	10				
12		37	✓	/ /	11				
13		38	✓	/ /	SEQ-1603	0610001			
14		~~36~~ solids	✓	/ /					
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
20				/ /					

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

KEH 6/3/10

Calibration ID: NA Sequence ID: NA Hexane Lot No 71940

REVIEWED BY: KEH DATE 6/3/10

7/02/09:jr

COMPUCHEM a Division of Liberty Analytical Corp Instrument ID 82/83 File Path: f 100601c DATE 6/2/10

GC EXTRACTABLES RUN LOG Amt. Inj. 2 µL (1 µL per column)

LOGBOOK 4 M(4) 38 Method: 8081A 8081B 8082 8082A 8151A OLM04.3 OLC03.2 SOM01.2 (Circle one) or Other: _____

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		39	✓	6/2/10	SEQ-CCB3	DE07001	PIBHCFGPH	WL	
2		40	✓	/ /	-CCB3	DE11005	1HOL3PH		
3		41	✓	/ /	-PEM3	DE21002	PEMPH		
4		42	✓	/ /	100532-12	100532			
5		43	✓	/ /	13				
6		44	✓	/ /	14				
7		45	✓	/ /	100533-01	100533			
8		46	✓	/ /	100534-01 DE	100534			
9		47	✓	/ /	02				
10		48	✓	/ /	03				
11		49	✓	/ /	04				
12		50	✓	/ /	05				
13		51	✓	/ /	SEQ-1614	DE07001			
14				/ /					
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
20				/ /					

KEH 6/3/10

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Calibration ID: NA Sequence ID: NA Hexane Lot No 71940

REVIEWED BY: KEH DATE 6/3/10

7/02/09:jr

COMPUCHEM a Division of Liberty Analytical Corp
GC EXTRACTABLES RUN LOG
LOGBOOK 4 M(4) 39

Instrument ID: 82 File Path: f100601d DATE 6/2/10

Method: (8081B) 8082A 8151A SOM01.2 ARO SOM01.2 Pest (Circle one) or Other: _____

Amt. Inj. 2 µL (1 µL per column)

777

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		52	✓	6/2/10	SEQ - CCV4	0E07601	PIBLKF(F)	JD	
2		53	✓	/ /	- CCV4	0E11005	IND(3F)		
3		54	✓	/ /	- PEM4	0E21002	PEMF)		
4		55	✓	/ /	0012405 - BLK1	101732			
5		56	✓	/ /	- LCS1				
6		57	✓	/ /	- LCSD1				
7		58	✓	/ /	1005157 - 15				
8		59	✓	/ /	16				
9		60	✓	/ /	17				
10		61	✓	/ /	18				
11		62	✓	/ /	19				
12		63	✓	/ /	20				
13		64	✓	/ /	SEQ - BLK1	0E07001			
14				/ /					
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
20				/ /					

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KEH 6/3/10

Calibration ID: NA Sequence ID: NA Hexane Lot No 71940

REVIEWED BY: KEH DATE 6/3/10

4/16/10:jad

778

COMPUCHEM a Division of Liberty Analytical Corp Instrument ID: 82 File Path: foul60 le DATE 6/2/10
GC EXTRACTABLES RUN LOG Amt. Inj. 2 µL (1 µL per column)
LOGBOOK 4 M(4) 39 Method: 8081B 8082A 8151A SOM01.2 ARO SOM01.2 Pest (Circle one) or Other: _____

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		65	✓	6/2/10	SEQ-CC01	2ED7001	PIANIC FKFL	LD	
2		66	✓	/ /	-CC01	OE11W5	10WCHFL		
3		67	✓	/ /	-MB01	OE21002	MBMFL		
4		68	✓	6/3/10	005246 - BLK	10W1133			
5		69	✓	/ /	-BS1				
6		70	✓	/ /	-BSD1				
7		71	✓	/ /	1005133-02				
8		72	✓	/ /	03				
9		73	✓	/ /	04				
10		74	✓	/ /	05				
11		75	✓	/ /	06				
12		76	✓	/ /	SEQ-1BLK	OE07001			
13				/ /					
14				/ /					
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
20				/ /					

KEH 6/4/10

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Calibration ID: NA Sequence ID: NA Hexane Lot No 71940

REVIEWED BY: KEH DATE 6/4/10

4/16/10:jad

COMPUCHEM a Division of Liberty Analytical Corp
GC EXTRACTABLES RUN LOG
LOGBOOK 4 M(4) 39

Instrument ID: 82 File Path: f100681f DATE 6/3/10

Method: 8081B 8082A 8151A SOM01.2 ARO SOM01.2 Pest (Circle one) or Other: _____ Amt. Inj. 2 µL (1 µL per column)

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		77	/	6/3/10	5ER-CCB2	0E07001	PIBLKFMFN	ed	
2		78	/	/ /	-CCV2	0E11005	1WDCBFN		
3		79	/	/ /	-PEM2	0E21002	PEMFN		
4		80	/	/ /	100F133-07	LWIMB			
5		81	/	/ /	08				
6		82	/	/ /	09				
7		83	/	/ /	10				
8	/	84	/	/ /	11				
9		85	/	/ /	12				
10		86	/	/ /	13				
11		87	/	/ /	5ER-CCB3	0E07001			
12				/ /					
13				/ /					
14				/ /					
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
20				/ /					

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

KEH 6/4/10

Calibration ID: NA Sequence ID: NA Hexane Lot No 71940

REVIEWED BY: KEH DATE 6/4/10

4/16/10:jad

677

COMPUCHEM a Division of Liberty Analytical Corp
GC EXTRACTABLES RUN LOG
LOGBOOK 4 M(4) 39

Instrument ID: 82 File Path: f100601g DATE 6/3/10

Method: (8081B) 8082A 8151A SOM01.2 ARO SOM01.2 Pest (Circle one) or Other: Amt. Inj. 2 µL (1 µL per column)

☒Changed septum ☒Changed liner ☒Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1	✓	88		6/3/10	SEQ-CCV3	OE07601		WD	
2	✓	89		/ /	-CCV3	OE11005			
3	✓	90		/ /	-PEM3	OE21002			
4	✓	91		/ /	100T133-14	100T133			
5		92	✓	/ /	SEQ-CCV3	OE11005			
6		93	✓	/ /	-CCV3	OE07001	INDCBPP		LT SET @ 6/4/10
7		94	✓	/ /	-PEM3	OE21002	PIBKPOPP		
8		95		/ /	100T132-63	100T132	PEMPP		
9		96		/ /	05				5x (Acephate/Naphthalene)
10		97		/ /	11				10x (Acephate/Naphthalene)
11		98		/ /	13				10x
12		99		/ /	SEQ-CCV3	OE07001			5x (Acephate/Naphthalene)
13				/ /					
14				/ /					
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
20				/ /					

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

JCH 6/4/10

Calibration ID: NA Sequence ID: NA

REVIEWED BY: JCH DATE 6/4/10 Hexane Lot No 71940

4/16/10:jad

781

COMPUCHEM a Division of Liberty Analytical Corp Instrument ID: 82 File Path: h100608 DATE 6/8/10
GC EXTRACTABLES RUN LOG Amt. Inj. 2 µL (1 µL per column)
LOGBOOK 4 M(4) 39 Method: ~~8081B~~ 8082A 8151A SOM01.2 ARO SOM01.2 Pest (Circle one) or Other: _____

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		1		6/8/10	HEXANE	STD	NA	AHW	NA
2		2		/ /	HEXANE	STD	↓	↓	↓
3		3	-	/ /	0F08011 - PEM1	0E21002	PEMHA		
4		4	-	/ /	CAL1	0C26001	INDG1HA		
5		5	-	/ /	2	0C26002	2HA		
6		6	-	/ /	3	0E11005	3NA		
7		7	-	/ /	4	0C26004	4HA		
8		8	-	/ /	5	0C26005	5HA		
9		9	-	/ /	ARC1	0C02004	CHLOR03HA		
10		16	-	/ /	ARC2	0D16008	TOXAPH3HA		
11		11	-	/ /	ICV1	0E25016	PESTCHKHA		
12				/ /					
13				/ /					
14				/ /					
15				/ /					
16				/ /		AHW 6/9/10			
17				/ /					
18				/ /					
19				/ /					
20				/ /					

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Calibration ID: 0060902 Sequence ID: 0F08011 Hexane Lot No 71940

REVIEWED BY: _____ DATE 6/9/10

4/16/10:jad

COMPUCHEM a Division of Liberty Analytical Corp
GC EXTRACTABLES RUN LOG
LOGBOOK 4 M(4) 39

Instrument ID: 82 File Path: h\060606b DATE 6/9/10
Amt. Inj. 2 µL (1 µL per column)
Method: (8081B) 8082A 8151A SOM01.2 ARO SOM01.2 Pest (Circle one) or Other: _____

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		26	✓	6/9/10	SEQ-CCB2	0F08008	PIBLKHGHF	AHW	NA
2		21	✓	/ /	SEQ-CCV2	0G11005	INAC3HF		
3		22	✓	/ /	SEQ-PCM2	0G21002	PCMHF		
4		23	R	/ /	0052408-BLK1	1005133	1005133		
5		24		/ /	1005133-11				
6		25		/ /	14				
7		26		/ /	15				
8		27	✓	/ /	16				
9	/	28	R	/ /	17				
10	/	29		/ /	18				
11	/	30	✓	/ /	19				
12		31	✓	/ /	20				
13 RW	✓	32		/ /	SEQ-IBL3	0F08008	PIBLK		
14				/ /					
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
20				/ /					

AHW 6/10/10

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Calibration ID: 00160902 Sequence ID: NA Hexane Lot No 71940

REVIEWED BY: KEH DATE 6/10/10

4/16/10:jad

COMPUCHEM a Division of Liberty Analytical Corp
GC EXTRACTABLES RUN LOG
LOGBOOK 4 M(4) 39

Instrument ID: 82 File Path: h100608c DATE 6/9/10
Amt. Inj. 2 µL (1 µL per column)
Method: 8081B 8082A 8151A SOM01.2 ARO SOM01.2 Pest (Circle one) or Other: _____

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		33		6/9/10	SEQ-CCB3	OF08008	PIBLKHGHH	AHW	NA
2		34		/ /	CCV3	OE11005	AHW 6/10/10 ~~JF~~ INOC3HH		
3		35		/ /	PEM3	OE21002	PEMHH		
4		36	OF	/ /	0051919-BLK1	100S132	NA		
5		37		/ /	100S132-06				
6		38		/ /	08				
7		39		/ /	14				
8		40		6/10/10	100S132-03				
9		41		/ /	09				
10		42		/ /	11				
11		43		/ /	13				
12	EW	44		/ /	SEQ-JBLK1	OF08008	PIBLK		
13				/ /					
14				/ /					
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
20				/ /					

AHW 6/10/10

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Calibration ID: 00100902 Sequence ID: NA Hexane Lot No 71940

REVIEWED BY: KCH DATE 6/10/10

4/16/10:jad

Supervisor/Manager Review: _____ pages ____ to ____ Date _____

COMPUCHEM a Division of Liberty Analytical Corp
GC EXTRACTABLES RUN LOG
LOGBOOK 4 M(4) 39

Instrument ID: 82 File Path: 101006 DATE 6/10/10

Method: (8081B) 8082A 8151A SOM01.2 ARO SOM01.2 Pest (Circle one) or Other: _____

Amt. Inj. 2 µL (1 µL per column)

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	RELEASED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1	M	1		6/10/10	Hexane	SF	MA	LD	M
2	↓	2		/ /	↓	↓	↓	↓	↓
3		3	✓	/ /	OF10017 - PEM1	OE1602	PEMIA		
4		4	✓	/ /	- CAL1	OC26001	INDCIIA		
5		5	✓	/ /	2	OC26002	2		
6		6	✓	/ /	3	OE11005	3		
7		7	✓	/ /	4	OC26004	4		
8		8	✓	/ /	5	OC26005	5		
9		9	✓	/ /	- ARC1	OD16008	TXMDH61A		
10		10	✓	/ /	↓ 2	OC02004	CHLNDSIA		
11		11	✓	/ /	- SCV1	OE20016	DBSTCHLIA		
12				/ /					
13				/ /					
14				/ /					
15				/ /					
16				/ /		6/11/10			
17				/ /					
18				/ /					
19				/ /					
20				/ /					

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Calibration ID: 0061101 Sequence ID: OF10017 Hexane Lot No 71940

REVIEWED BY: TA DATE 6/11/10

4/16/10:jad

COMPUCHEM a Division of Liberty Analytical Corp
GC EXTRACTABLES RUN LOG
LOGBOOK 4 M(4) 39

Instrument ID: 82 File Path: i100610a DATE 6/10/10

Method: (8081B circled) 8082A 8151A SOM01.2 ARO SOM01.2 Pest Amt. Inj. 2 µL (1 µL per column) (Circle one) or Other: ______

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1	R ✓	12		6/10/10	SEQ-16C1	0F08008			
2		13	✓	/ /	-CCB1			W	
3		14	✓	/ /	-CCV1	↓	PIBKIC1D		
4		15	✓	/ /	-PEM1	0E1100S	WPCS1D		
5		16	✓	/ /	0052408-16CC1	0E21002	PCM1D		
6		17	✓	6/11/10	100T133-11	100T133			LowPC
7		18	✓	/ /	11				LowPC
8		19	✓	/ /	15				LowPC 10x (90ul Hx/1ul std)
9		20	✓	/ /	17				
10		21	✓	/ /	14				
11		22	✓	/ /	14				
12		23	✓	/ /	18				10x (90ul Hx/1ul std)
13		24	✓	/ /	15				
14	✓ ✓	25	✓	/ /	SEQ-16C2	0F08008			
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
20				/ /					

KCH 6/11/10

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Calibration ID: NA Sequence ID: NA Hexane Lot No 7940

REVIEWED BY: KCH DATE 6/11/10

4/16/10:jad

COMPUCHEM a Division of Liberty Analytical Corp
GC EXTRACTABLES RUN LOG
LOGBOOK 4 M(4) 39

Instrument ID: 82 File Path: 1006106 DATE 6/11/10

Method: (8081B) 8082A 8151A SOM01.2 ARO SOM01.2 Pest

Amt. Inj. 2 μL (1 μL per column) (Circle one) or Other: ____

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		26	✓	6/11/10	SEQ-4652	0F08W8	P1BK1E1F	W	
2		27	✓	/ /	-4602	0E11W7	1002E31F		
3		28	✓	/ /	-PEM2	0E2100Z	PEM1F		
4	[illegible] ✓	29	✓	/ /	1005733-16	1005733			
5	✓	30	✓	/ /	12				
6	✓	31	✓	/ /	20				5X (80g Hx/20g Samp)
7	✓	32	✓	/ /	20				
8	✓	33	✓	/ /	SEQ-1663	0F08W8			5X (80g Hx/20g Samp)
9				/ /					
10				/ /					
11				/ /					
12				/ /					
13				/ /					
14				/ /					
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
20				/ /					

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Calibration ID: NA Sequence ID: NA Hexane Lot No 71940

REVIEWED BY: KEH DATE ~~3~~22 6/11/10

4/16/10:jad

78

787

COMPUCHEM a Division of Liberty Analytical Corp
GC EXTRACTABLES RUN LOG
LOGBOOK 4 M(4) 39

Instrument ID: 82 File Path: 100610 c DATE 6/11/10

Method: ~~8081B~~ 8082A 8151A SOM01.2 ARO SOM01.2 Pest (Circle one) or Other: _____

Amt. Inj. 2 µL (1 µL per column)

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1	✓	34		6/11/10	5660-CCV3	ofo8w8	PIB~~KIH~~IBIH	CP	
2	✓	35		/ /	-CCV5	JE1005	INDC3IH	↓	
3	✓	36		/ /	-PEM5	OE2002	PEMIH	↓	
4				/ /					
5				/ /					
6				/ /					
7				/ /					
8				/ /					
9				/ /					
10				/ /					
11				/ /					
12				/ /					
13				/ /					
14				/ /					
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
20				/ /					

KSH 6/11/10

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Calibration ID: NA Sequence ID: NA Hexane Lot No 71940

REVIEWED BY: KSH DATE 6/11/10

4/16/10:jad

4. Raw QC Data

    a. Blank Data

    b. Laboratory Control Sample Data

    c. Matrix Spike Data

    d. Matrix Spike Duplicate Data

a. Blank Data

Arranged by type of blank

i) Method blanks shall be in chronological order, by extraction date.
ii) Instrument blanks shall be in chronological order, by GC column and instrument.
iii) Sulfur cleanup blanks (if needed) shall be in chronological order, by date of analysis.

- Tabulated Results (Form I)
- Chromatograms and date system printout(s) for each GC column and instrument used for analysis.

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKBO

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 0051919-BLK1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/20/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/01/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.7	U
319-85-7	beta-BHC	1.7	U
319-84-6	alpha-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
72-54-8	4,4'-DDD	3.3	U
72-55-9	4,4'-DDE	3.3	U
50-29-3	4,4'-DDT	3.3	U
60-57-1	Dieldrin	3.3	U
959-98-8	Endosulfan I	1.7	U
33213-65-9	Endosulfan II	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
72-20-8	Endrin	3.3	U
7421-93-4	Endrin Aldehyde	3.3	U
76-44-8	Heptachlor	1.7	U
1024-57-3	Heptachlor Epoxide	1.7	U
72-43-5	Methoxychlor	17	U
8001-35-2	Toxaphene	83	U
53494-70-5	Endrin Ketone	3.3	U
5103-74-2	gamma-Chlordane	1.7	U
5103-71-9	alpha-Chlordane	1.7	U

Data File: /chem/tracegc82.i/f100601a.b/016f0051919-BLK1.d

Date : 01-JUN-2010 23:05

Client ID: PBLKBO

Instrument: tracegc82.i

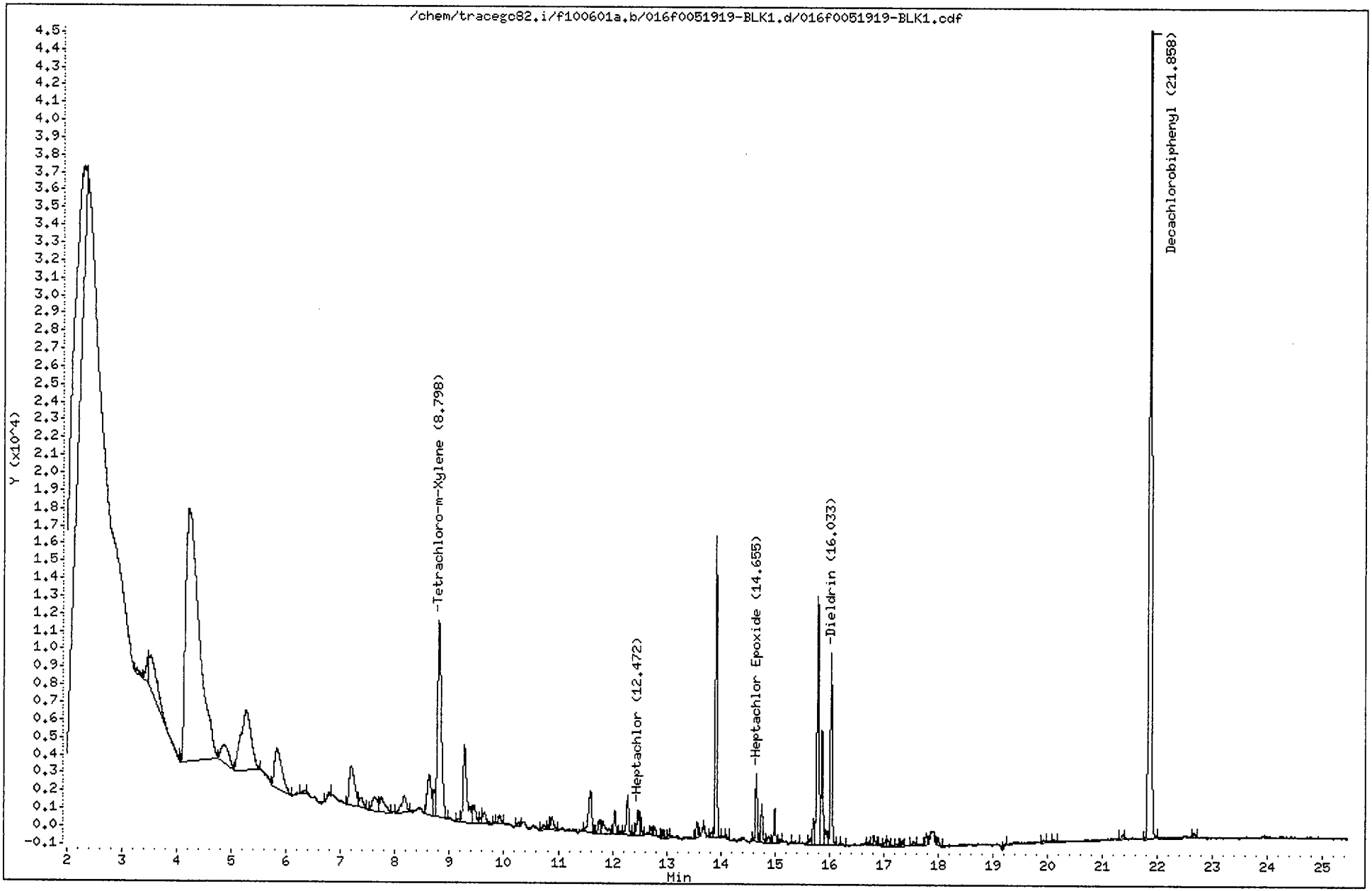
Sample Info: 0051919-BLK1

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0051919-BLK1 Client Smp Id : PBLKBO
Sample Type : BLANK Sublist : DODPEST
Inj Date : 01-JUN-2010 23:05 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601a.b/8081A_clpestv6.m
Misc. Info : PBLKBO

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
0.04			329								
1.48			19666								
2.29			121857								
3.27			1572								
3.46			3236								
3.52			25018								
4.21			246413								
4.86			10407								
5.25			44890								
5.82			21048								
6.32			621								
6.77			936								
7.19			15557								
7.36			2821								
7.62			5578								
7.74			5451								
8.16			6281								
8.62			11451								
8.72			4275								
8.80	8.73	8.87	54569	1587700	Tetrachloro-m-Xylene	0.034370	5.728309		57.3*	70 - 125	R
9.18			574								
9.27			20563								
9.45			4445.								
9.59			1161								
9.63			2959								
9.91			1510								
10.27			620								
10.73			964								
10.84			463								
10.88			2658								
11.60			10039								
11.76			2193								
11.82			3761								
12.04			3536								
12.14			385								
12.28			6672								
12.41			541								

6/2/10

CompuChem

Lab Smp Id : 0051919-BLK1 Client Smp Id : PBLKBO
Sample Type : BLANK Sublist : DODPEST
Inj Date : 01-JUN-2010 23:05 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601a.b/8081A_clpestv6.m
Misc. Info : PBLKBO

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.47	12.38 12.52	3939	2589888	Heptachlor	0.001521	0.253486	1.700000			J
12.51		2521								
12.72		1067								
12.79		1239								
12.94		1161								
13.04		336								
13.56		2328								
13.67		392								
13.83		728								
13.91		38642								
14.10		512								
14.66	14.56 14.70	8581	2235460	Heptachlor Epoxide	0.003838	0.639689	1.700000			J
14.76		4983								
14.88		1175								
14.99		4246								
15.09		526								
15.36		474								
15.65		872								
15.71		3323								
15.79		35753								
15.87		16167								
15.93		2698								
16.03	15.99 16.13	25750	2037205	Dieldrin	0.012639	2.106563	3.300000			J
16.24		292								
16.72		421								
16.81		1362								
16.94		370								
17.03		903								
17.08		924								
17.23		364								
17.34		755								
17.55		951								
17.78		1427								
17.99		942								
19.24		523								
19.93		369								
20.11		471								

CompuChem

Lab Smp Id : 0051919-BLK1 Client Smp Id : PBLKBO
Sample Type : BLANK Sublist : DODPEST
Inj Date : 01-JUN-2010 23:05 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601a.b/8081A_clpestv6.m
Misc. Info : PBLKBO

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
21.37		653								
21.86	21.79 21.93	147296	1622138	Decachlorobiphenyl	0.090803	15.13383		75.7	55 - 130	
22.66		911								

Data File: /chem/tracegc82.i/f100601a_2C.b/016f0051919-BLK1.d

Date : 01-JUN-2010 23:05

Client ID: PBLKBO

Sample Info: 0051919-BLK1

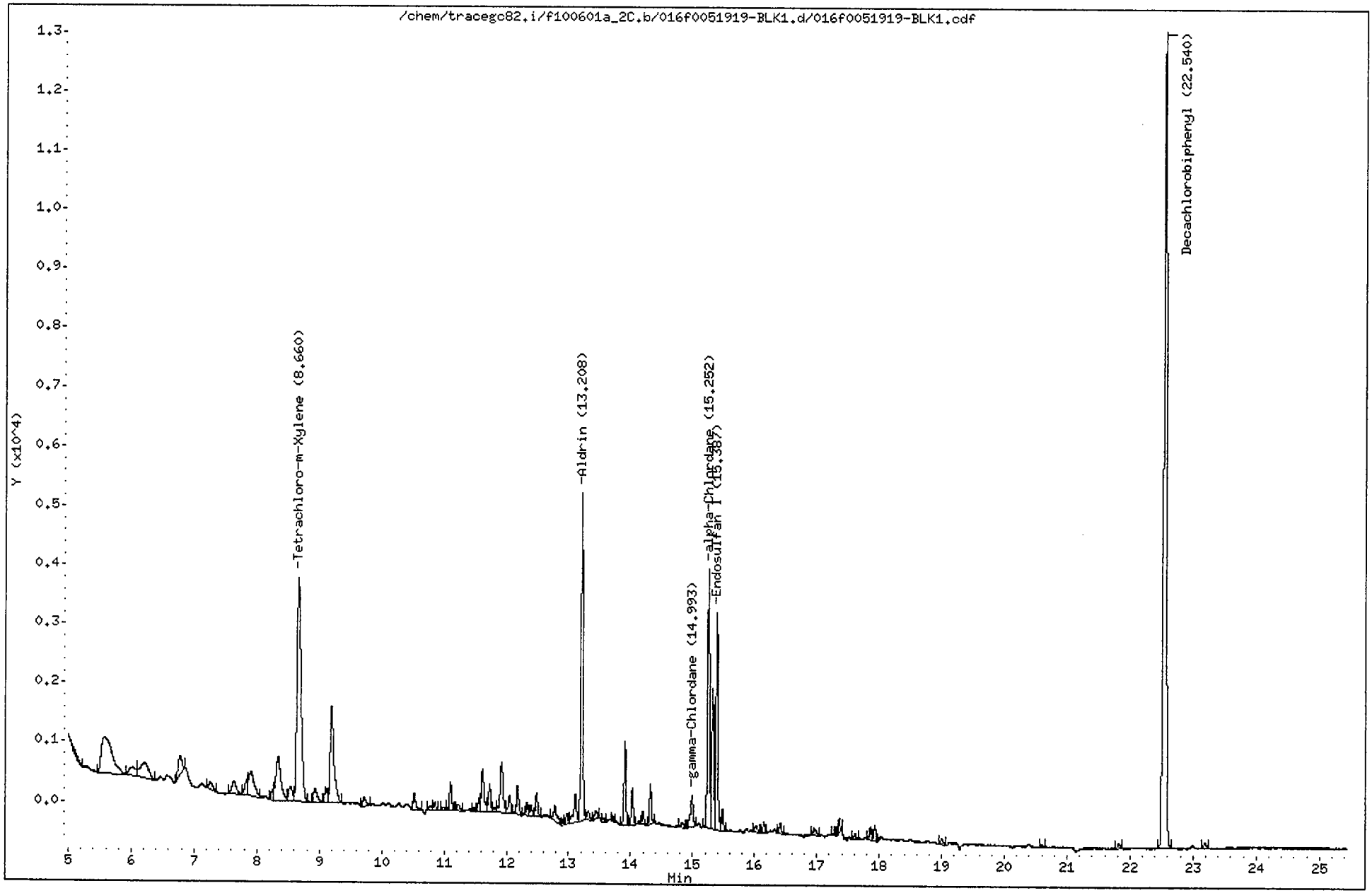
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL

Column diameter: 0.32



CompuChem

Lab Smp Id : 0051919-BLK1 Client Smp Id : PBLKBO
Sample Type : BLANK Sublist : DODPEST
Inj Date : 01-JUN-2010 23:05 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601a_2C.b/8081A_clpest2v6.m
Misc. Info : PBLKBO

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
0.05			145								
1.35			324								
1.52			7970								
2.07			16383								
3.15			7648								
3.52			66278								
4.85			8147								
5.57			7317								
6.01			1017								
6.21			2504								
6.77			1433								
7.26			551								
7.63			1052								
7.84			821								
7.90			2574								
8.25			368								
8.34			4294								
8.53			1008								
8.66	8.59	8.73	17423	548876	Tetrachloro-m-Xylene	0.031741	5.290205		52.9*	70 - 125	R
8.93			974								
9.10			753								
9.19			6799								
9.71			579								
10.52			852								
10.78			175								
10.85			302								
11.00			182								
11.10			1196								
11.23			355								
11.47			169								
11.56			517								
11.62			2215								
11.73			1179								
11.80			227								
11.92			2921								
12.05			777								
12.18			1224								

CompuChem

Lab Smp Id : 0051919-BLK1 Client Smp Id : PBLKBO
Sample Type : BLANK Sublist : DODPEST
Inj Date : 01-JUN-2010 23:05 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601a_2C.b/8081A_clpest2v6.m
Misc. Info : PBLKBO

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.33		485								
12.39		410								
12.48		964								
12.78		1048								
12.91		142								
12.97		443								
13.11		1599								
13.21	13.10 13.24	12488	726628	Aldrin	0.017186	2.864375	1.700000			
13.31		436								
13.45		410								
13.56		133								
13.72		145								
13.91		2962								
14.03		1373								
14.20		488								
14.32		1468								
14.83		236								
14.99	14.88 15.02	1665	690205	gamma-Chlordane	0.002411	0.401813	1.700000			J
15.25	15.21 15.35	9960	595455	alpha-Chlordane	0.016727	2.787784	1.700000			
15.32		5552								
15.39	15.33 15.47	8486	638725	Endosulfan I	0.013286	2.214307	1.700000			
15.48		781								
16.03		314								
16.15		408								
16.41		374								
16.96		369								
17.29		277								
17.36		446								
17.62		234								
17.86		471								
17.93		560								
19.00		295								
20.60		124								
21.83		223								
22.54	22.47 22.61	44517	497254	Decachlorobiphenyl	0.089526	14.92093		74.6	55 - 130	
23.18		279								

CompuChem

ASSIGNED TO T. Williams | EXTRACTION WORKSHEET | DATE/TIME EXTRACTED: 5-20-10 @1110

PEST/PCB IN S/S/S BY METHOD 3550B/C for 8081/8082

EMPLOYEE ID # 1289 | [redacted] | 5-24-2 | BATCH NO.: 0051919

	COMPUCHEM SAMPLE NUMBER	CLIENT SAMPLE ID	QC SAMPLE TYPE	SAMPLE WEIGHT (g)	FINAL VOLUME (ml)	COMMENTS
1	0051919-BLK1	PBLKBO	MB	30.0	5.0	*** Samples need to be GPC'd ***
2	0051919-BS1	PBOLCS	LCS	30.0		
3	0051919-BSD1	PBOLCSD	LCSD	30.0		
4	0051919-MS1	SB85-1.5-2.5MS	MS1	30.0		ML 5-24-10
5	0051919-MS2	SS73-0-1MS	MS2	30.0		
6	0051919-MSD1	SB85-1.5-2.5MSD	MSD1	30.0		
7	0051919-MSD2	SS73-0-1MSD	MSD2	30.0		
8	1005132-01	SB85-1.5-2.5	SAMPLE	30.0		QC1
9	1005132-02	SB78-3.5-4.5	SAMPLE	30.0		GPC (3640A) PERFORMED? (Y) N
10	1005132-03	SS77-0-1	SAMPLE	30.0		FLORISIL PERFORMED? Y (N)
11	1005132-04	SB77-3.5-4.5	SAMPLE	30.0		
12	1005132-05	SS79-0-1	SAMPLE	30.0		
13	1005132-06	SB79-11-12	SAMPLE	30.0		
14	1005132-07	SS83-0-1	SAMPLE	30.0		ML 5-24-10
15	1005132-08	SB83-6.5-7.5	SAMPLE	30.0		
16	1005132-09	SS62-0-1	SAMPLE	30.0		
17	1005132-10	SS74-0-1	SAMPLE	30.0		
18	1005132-11	SS86-0-1	SAMPLE	30.0		
19	1005132-12	SB86-3-4	SAMPLE	30.0		
20	1005132-13	SS84-0-1	SAMPLE	30.0		
21	1005132-14	SB84-6-7	SAMPLE	30.0		
22	1005133-01	SS73-0-1	SAMPLE	30.0		QC2
23	1005134-01	SS02-0-1	SAMPLE	30.0		ML 5-24-10
24	1005134-02	SS02D-0-1	SAMPLE	30.0		
25	1005134-03	SB02-5-6	SAMPLE	30.0		GPC Run Date: 5-21-10
26	1005134-04	SB02D-5-6	SAMPLE	30.0		GPC # 6
27	1005134-05	SB05-7-8	SAMPLE	30.0	5.0	GPC Calib. Date: 5-17-10

		AMOUNT	LOT #	SURROGATE AND SPIKE ADDED BY
	SURROGATE	449	0.5 ml	0E07009	TMW 5-20-10
	SPIKE	4030	1.0 ml	0E19001	INITIALS DATE

FINAL VOLUME VERIFIED: MLH

Analysts initials. Extract TMW KD BP N2 BP Bottle up ML, VG

REVIEWED BY: B. Patton

Witness SB, 5-20-10 (Initials, Date)

Balance: SARTORIUS-BL310

Manufacturers and lot numbers of reagents/solvents used 50/50 CH_2Cl_2/CH_3COCH_3-2008-649-3, Na_2SO_4-2008-649-2, C_6H_{14}-73003

4/1/10:jad

798

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKCF

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 0052408-BLK1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/10/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

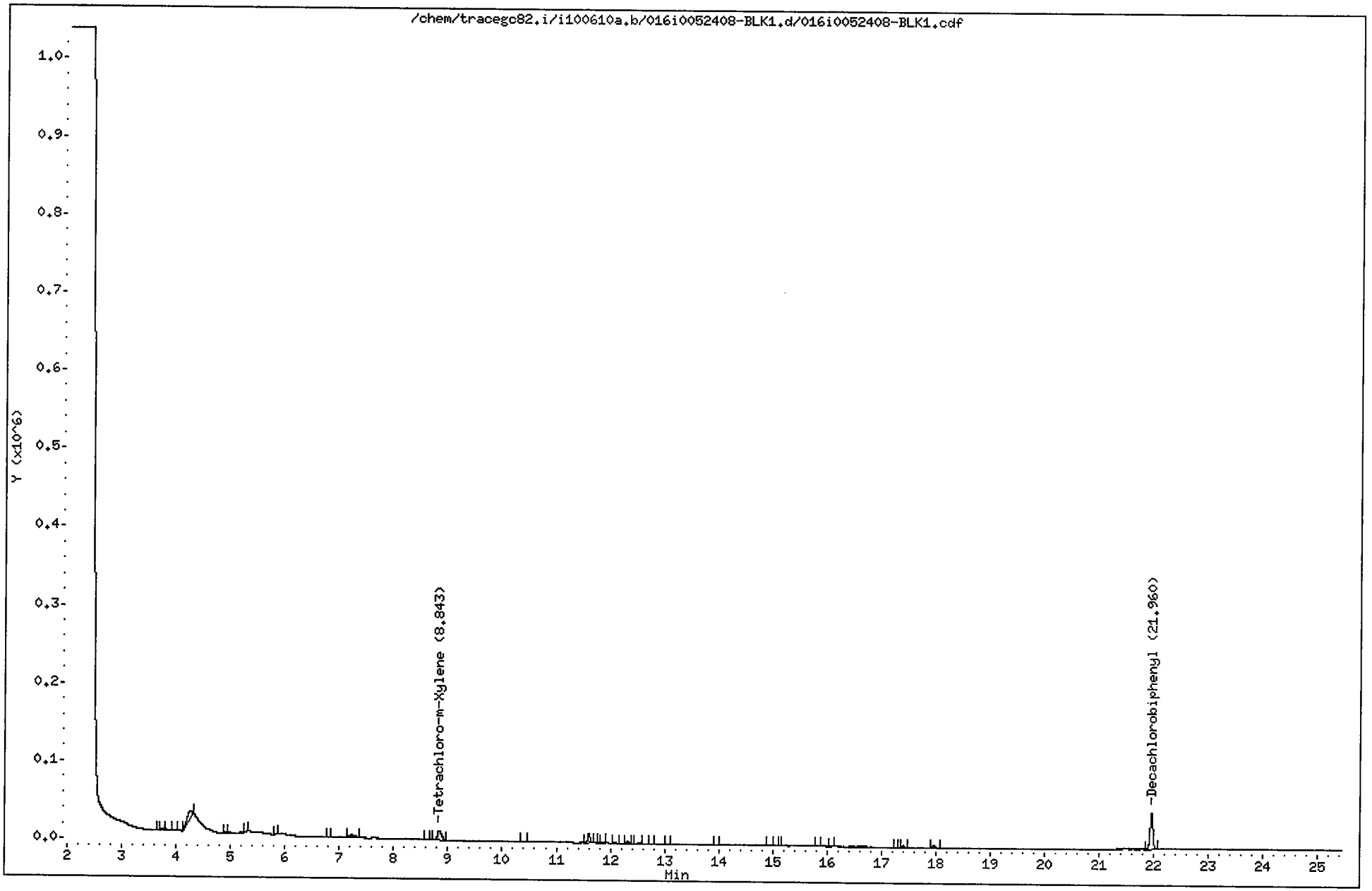
GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.7	U
319-85-7	beta-BHC	1.7	U
319-84-6	alpha-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
72-54-8	4,4'-DDD	3.3	U
72-55-9	4,4'-DDE	3.3	U
50-29-3	4,4'-DDT	3.3	U
60-57-1	Dieldrin	3.3	U
959-98-8	Endosulfan I	1.7	U
33213-65-9	Endosulfan II	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
72-20-8	Endrin	3.3	U
7421-93-4	Endrin Aldehyde	3.3	U
76-44-8	Heptachlor	1.7	U
1024-57-3	Heptachlor Epoxide	1.7	U
72-43-5	Methoxychlor	17	U
8001-35-2	Toxaphene	83	U
53494-70-5	Endrin Ketone	3.3	U
5103-74-2	gamma-Chlordane	1.7	U
5103-71-9	alpha-Chlordane	1.7	U

Data File: /chem/tracegc82.i/i100610a.b/016i0052408-BLK1.d
Date : 10-JUN-2010 23:48
Client ID: PBLKCF
Sample Info: 0052408-BLK1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : 0052408-BLK1 Client Smp Id : PBLKCF
Sample Type : BLANK Sublist : DODPEST
Inj Date : 10-JUN-2010 23:48 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610a.b/8081A_clpestv6.m
Misc. Info : PBLKCF

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

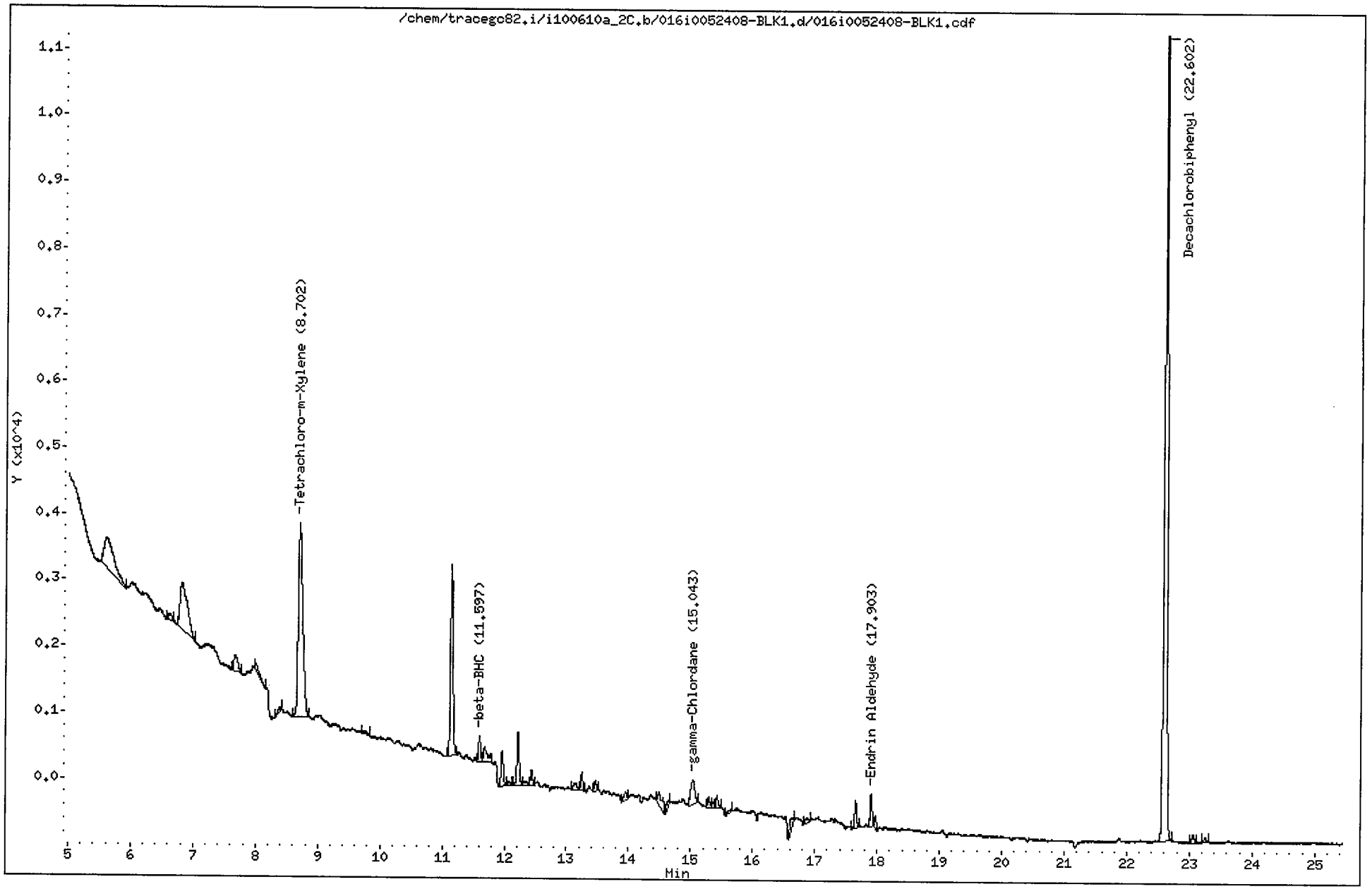
RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.43			1643629								
3.70			1109								
3.75			2495								
3.97			1349								
4.25			62357								
4.93			1021								
5.32			1417								
5.85			1125								
6.80			1541								
7.22			21737								
8.62			1867								
8.84	8.77	8.91	63581	2945399	Tetrachloro-m-Xylene	0.021587	3.597759		36.0*	70 - 125	R
10.37			1776								
11.60			34684								
11.74			818								
11.79			1558								
11.86			3149								
12.09			5982								
12.32			7925								
12.50			2688								
12.76			2131								
13.06			965								
13.95			2492								
14.93			1562								
15.14			812								
15.84			1260								
16.08			2109								
17.27			941								
17.41			5490								
17.97			6777								
21.96	21.90	22.04	172208	2320776	Decachlorobiphenyl	0.074202	12.36705		61.8	55 - 130	

6/11/10

Data File: /chem/tracegc82.i/i100610a_2C.b/016i0052408-BLK1.d
Date : 10-JUN-2010 23:48
Client ID: PBLKCF
Sample Info: 0052408-BLK1
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : 0052408-BLK1 Client Smp Id : PBLKCF
Sample Type : BLANK Sublist : DODPEST
Inj Date : 10-JUN-2010 23:48 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610a_2C.b/8081A_clpest2v6.m
Misc. Info : PBLKCF

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.43		22026875								
3.56		104035								
4.72		535								
5.61		5173								
6.60		363								
6.82		5874								
7.67		1101								
8.00		500								
8.38		232								
8.70	8.63 8.77	14705	708805	Tetrachloro-m-Xylene	0.020745	3.457461		34.6*	70 - 125	R
9.75		211								
11.14		8080								
11.60	11.55 11.69	923	437132	beta-BHC	0.002111	0.351915	1.700000			J
11.68		980								
11.96		1349								
12.07		202								
12.22		2047								
12.32		285								
12.43		512								
13.15		417								
13.24		613								
13.46		385								
13.95		357								
14.49		925								
14.64		239								
15.04	14.93 15.07	1695	865155	gamma-Chlordane	0.001959	0.326531	1.700000			J
15.29		346								
15.36		169								
15.43		394								
15.64		175								
16.65		676								
16.89		258								
17.65		882								
17.90	17.85 17.99	1031	494934	Endrin Aldehyde	0.002081	0.346848	3.300000			J
17.97		315								
22.60	22.53 22.67	39395	535699	Decachlorobiphenyl	0.073538	12.25626		61.3	55 - 130	
23.06		353								

6/11/10

CompuChem

Lab Smp Id : 0052408-BLK1 Client Smp Id : PBLKCF
Sample Type : BLANK Sublist : DODPEST
Inj Date : 10-JUN-2010 23:48 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/i100610a_2C.b/8081A_clpest2v6.m
Misc. Info : PBLKCF

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF	Dilution Factor: 1.0	Uf	GPC Unit Factor: 1
Vt	Final Volume: 5000(ul)	Vi	Injection Volume: 1(ul)
Ws	Sample Weight: 30.0(g)	M	Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
23.25		204								

CompuChem

ASSIGNED TO T. Williams

EXTRACTION WORKSHEET

PEST/PCB IN S/S/S BY METHOD 3550B/C for 8081/8082

DATE/TIME EXTRACTED: 5-24-10 1430

EMPLOYEE ID # 1289

6-1-1

BATCH NO.: 0052408

805

	COMPUCHEM SAMPLE NUMBER	CLIENT SAMPLE ID	QC SAMPLE TYPE	SAMPLE WEIGHT (g)	FINAL VOLUME (mL)	COMMENTS
1	0052408-BLK1	PBLKCF	MB	30.0	5.0	* Samples need to be GPC'd *
2	0052408-BS1	PCFLCS	LCS	30.0	5.0	
3	0052408-BSD1	PCFLCSD	LCSD	30.0	5.0	B. Patton 6-1-10
4	1005133-02	SB74-4-5	SAMPLE	30.0	5.0	
5	1005133-03	SS75-0-1	SAMPLE	30.0	5.0	
6	1005133-04	SB75-3.5-4.5	SAMPLE	30.0	5.0	GPC (3640A) PERFORMED? (Y) N
7	1005133-05	SS63-0-1	SAMPLE	30.0	5.0	FLORISIL PERFORMED? Y (N)
8	1005133-06	SB63-5.5-6.5	SAMPLE	30.0	5.0	
9	1005133-07	SS61-0-1	SAMPLE	30.0	5.0	
10	1005133-08	SS61D-0-1	SAMPLE	30.0	5.0	
11	1005133-09	SB61-6-7	SAMPLE	30.0	5.0	
12	1005133-10	SB61D-6-7	SAMPLE	30.0	5.0	
13	1005133-11	SS67-0-1	SAMPLE	30.0	5.0	* for GPC
14	1005133-12	SS72-0-1	SAMPLE	30.0	5.0	GPC Run Date: 6-7-10
15	1005133-13	SB72-2-3	SAMPLE	30.0	5.0	GPC #: 5
16	1005133-14	SS88-0-1	SAMPLE	30.0	5.0	GPC Calib Date: 6-1-10 B. Patton 6-1-10
17	1005133-15	SB88-2.5-3.5	SAMPLE	30.0	5.0	
18	1005133-16	SS76-0-1	SAMPLE	30.0	5.0	
19	1005133-17	SB76-6-7	SAMPLE	30.0	5.0	
20	1005133-18	SS87-0-1	SAMPLE	30.0	5.0	
21	1005133-19	SB87-3-4	SAMPLE	30.0	5.0	
22	1005133-20	SS68-0-1	SAMPLE	30.0	5.0	
23						
24		B. Patton 6-1-10				GPC Run Date: 5-27-10
25						GPC #: 5
26						GPC Calib Date: 5-24-10

	SURROGATE	449	0.5 ml	OE07004	SURROGATE AND SPIKE ADDED BY: TTMW 5-24-10
	SPIKE	4030	1.0 ml	OE14001	INITIALS DATE

FINAL VOLUME VERIFIED: B. Patton

Analysts initials. Extract TTMW KD BFP N2 AJL, BFP Bottle up BFP

REVIEWED BY

Balance: SARTORIUS-BL310

Witness AM 5-24-10

Initials Date

Manufacturers and lot numbers of reagents/solvents used 50/50 CH_2Cl_2/CH_3COCH_3-2XB-650-4, Na_2SO_4-2XB-650-1, CH_2Cl_2-J17501, C_6H_{14}-73003

4/1/10:jad

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKFC

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/01/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc82.i/f100601a.b/013fSEQ-CCB1.d

Date : 01-JUN-2010 21:38

Client ID: PIBLKFC

Instrument: tracegc82.i

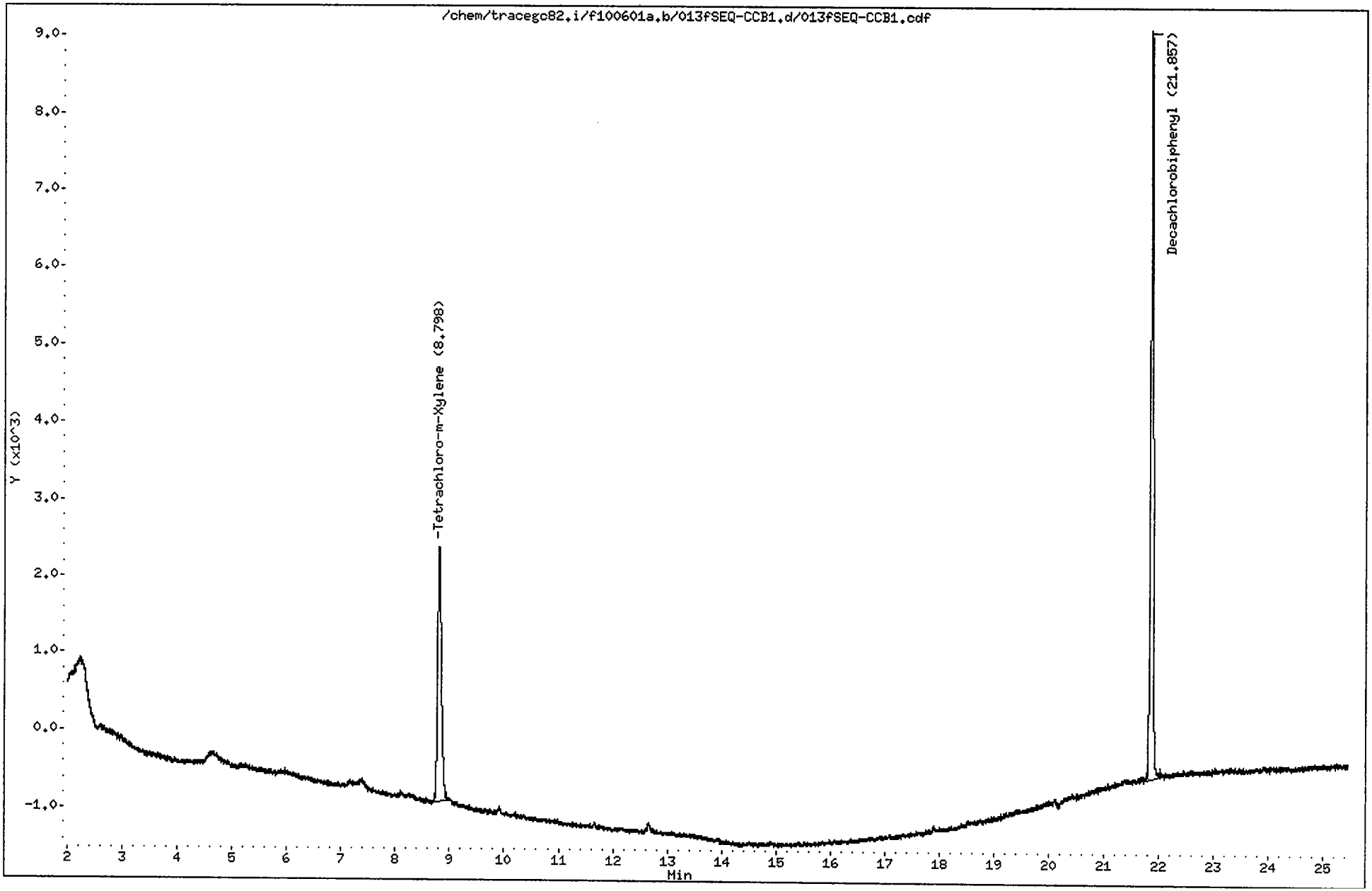
Sample Info: SEQ-CCB1

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB1 Client Smp Id : PIBLKFC
Sample Type : INSTBLANK Sublist : all
Inj Date : 01-JUN-2010 21:38 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601a.b/8081A_clpestv6.m
Misc. Info : PIBLKFCFD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.37			1683						
1.45			32799						
8.80	8.73	8.87	15809	1587700	Tetrachloro-m-Xylene	0.009957	0.049785		
21.86	21.79	21.93	31964	1622138	Decachlorobiphenyl	0.019705	0.098523		

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKFD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/01/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc82.i/f100601a_2C.b/013fSEQ-CCB1.d

Date : 01-JUN-2010 21:38

Client ID: PIBLKFD

Instrument: tracegc82.i

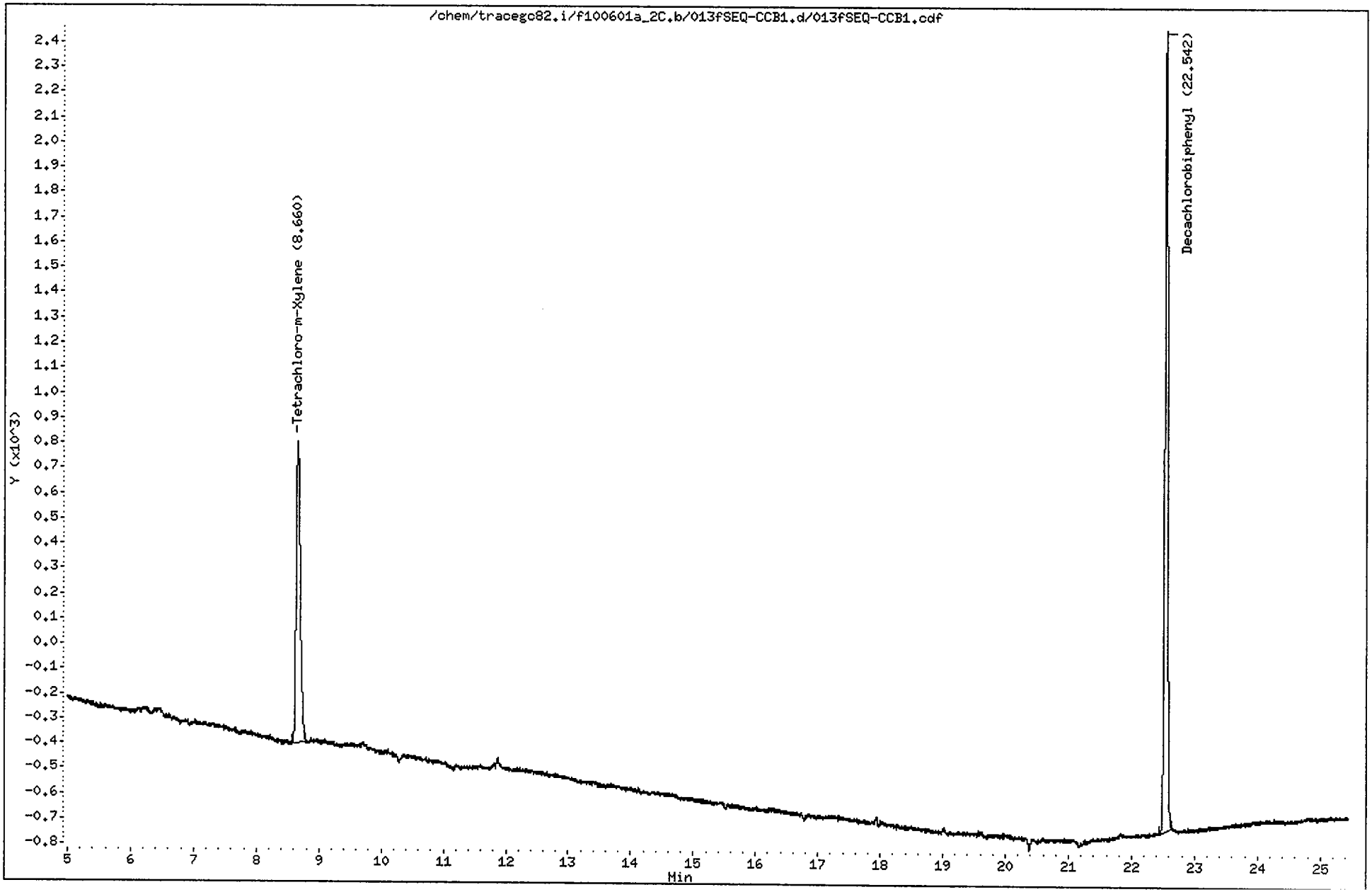
Sample Info: SEQ-CCB1

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB1 Client Smp Id : PIBLKFD
Sample Type : INSTBLANK Sublist : all
Inj Date : 01-JUN-2010 21:38 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601a_2C.b/8081A_clpest2v6.m
Misc. Info : PIBLKFCFD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
0.07			159						
1.35			716						
1.48			66921						
8.66	8.59	8.73	5563	548876	Tetrachloro-m-Xylene	0.010135	0.050674		
22.54	22.47	22.61	10282	497254	Decachlorobiphenyl	0.020677	0.103386		

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKFE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/02/10

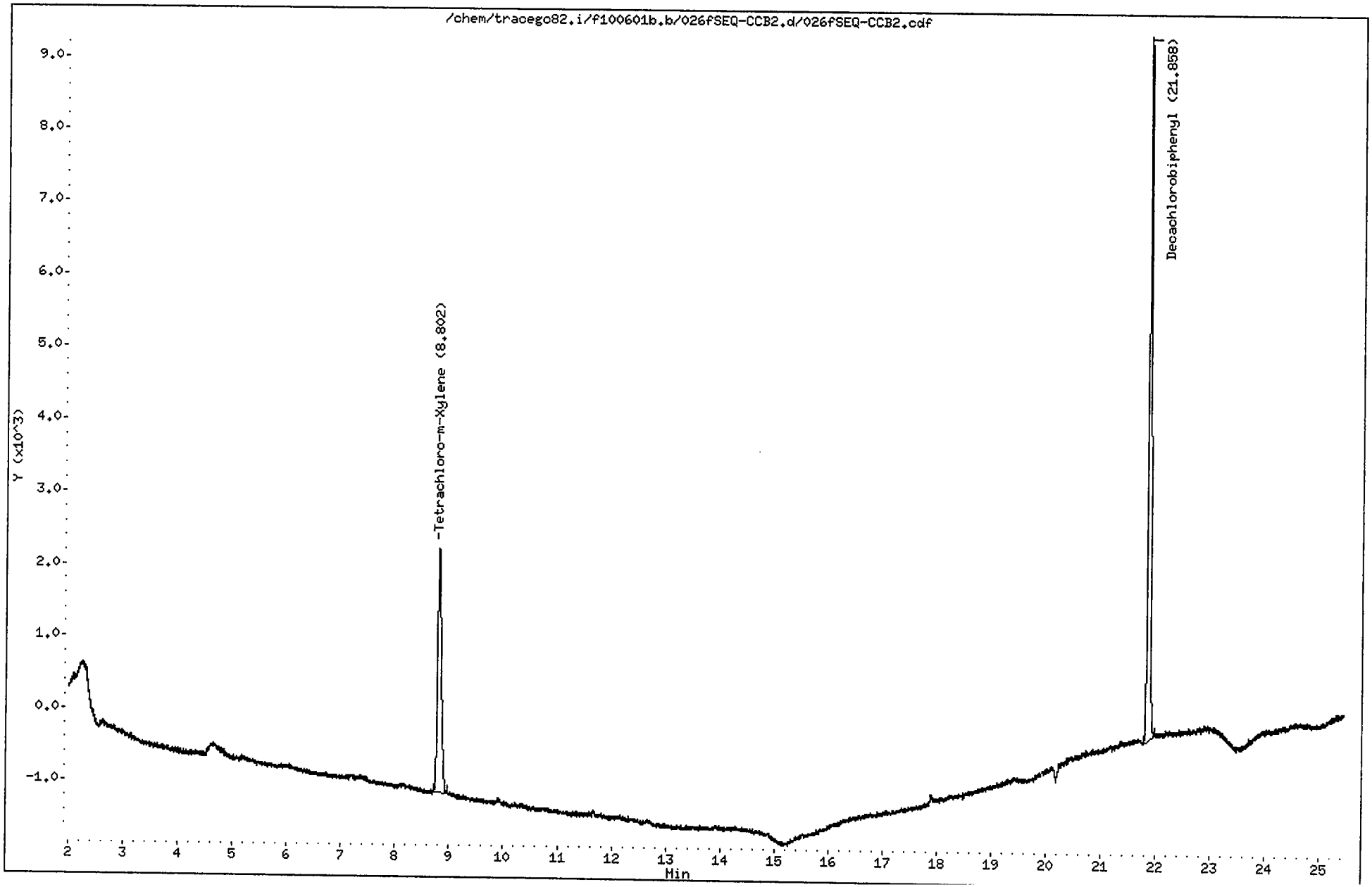
Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (N/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc82.i/f100601b.b/026fSEQ-CCB2.d
Date : 02-JUN-2010 03:57
Client ID: PIBLKFE
Sample Info: SEQ-CCB2
Volume Injected (uL): 1.0
Column phase: olpest

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB2 Client Smp Id : PIBLKFE
Sample Type : INSTBLANK Sublist : all
Inj Date : 02-JUN-2010 03:57 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601b.b/8081A_clpestv6.m
Misc. Info : PIBLKFEFF

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
0.03			449						
1.04			330						
1.33			704						
1.37			1321						
1.45			32246						
8.80	8.73	8.87	16475	1587700	Tetrachloro-m-Xylene	0.010377	0.051884		
21.86	21.79	21.93	31257	1622138	Decachlorobiphenyl	0.019269	0.096345		

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKFF

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/02/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

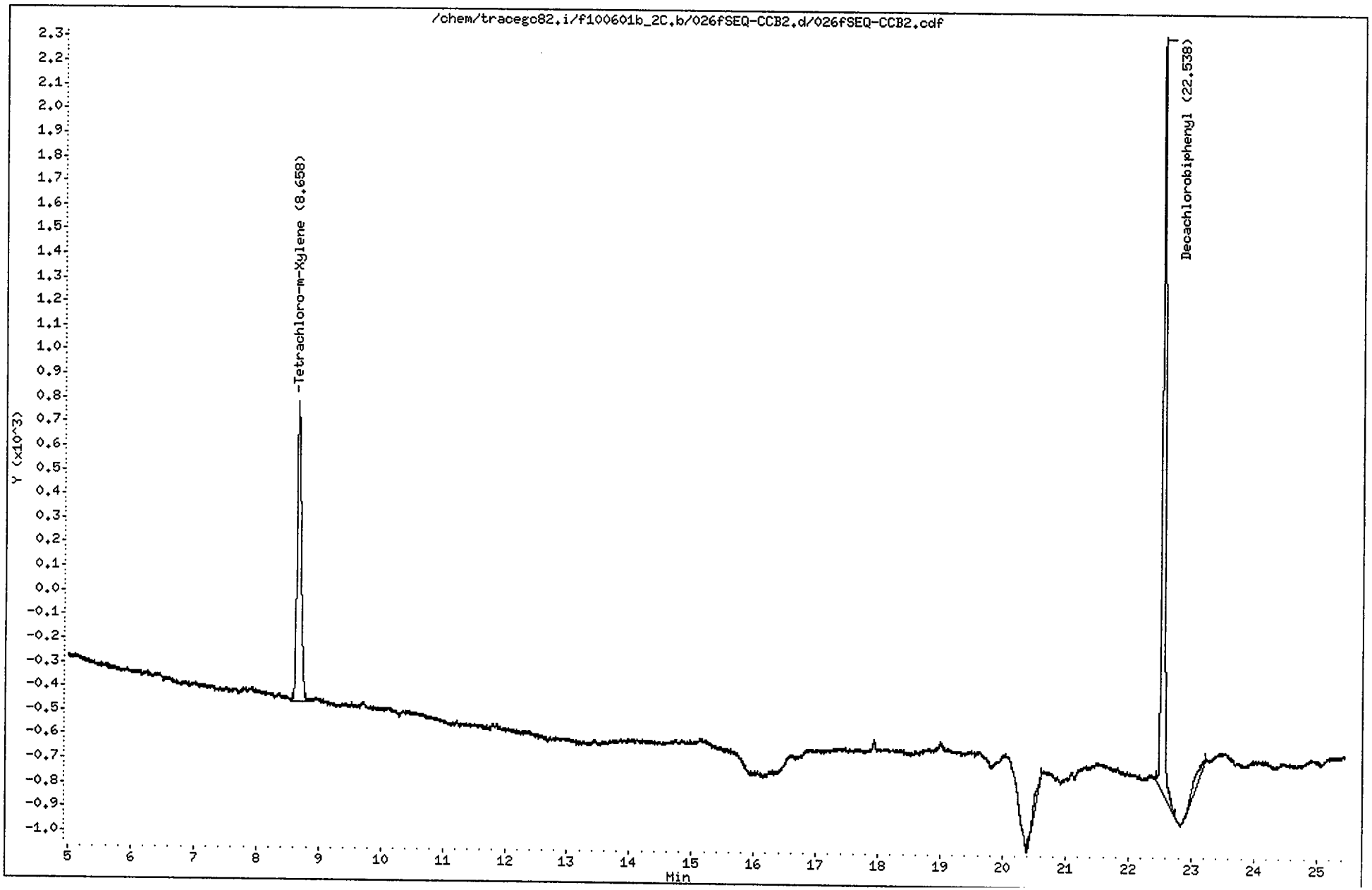
GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc82.i/f100601b_2C.b/026fSEQ-CCB2.d
Date : 02-JUN-2010 03:57
Client ID: PIBLKFF
Sample Info: SEQ-CCB2
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB2 Client Smp Id : PIBLKFF
Sample Type : INSTBLANK Sublist : all
Inj Date : 02-JUN-2010 03:57 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601b_2C.b/8081A_clpest2v6.m
Misc. Info : PIBLKFEFF

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.35			501						
1.50			36641						
2.59			275						
8.66	8.59	8.73	5749	548876	Tetrachloro-m-Xylene	0.010474	0.052370		
20.60			398						
22.54	22.47	22.61	10385	497254	Decachlorobiphenyl	0.020885	0.104426		
23.20			582						

6/2/10

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKFG

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB3

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/02/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

FORM I PEST

Data File: /chem/tracegc82.i/f100601c.b/039fSEQ-CCB3.d

Date : 02-JUN-2010 10:15

Client ID: PIBLKFG

Instrument: tracegc82.i

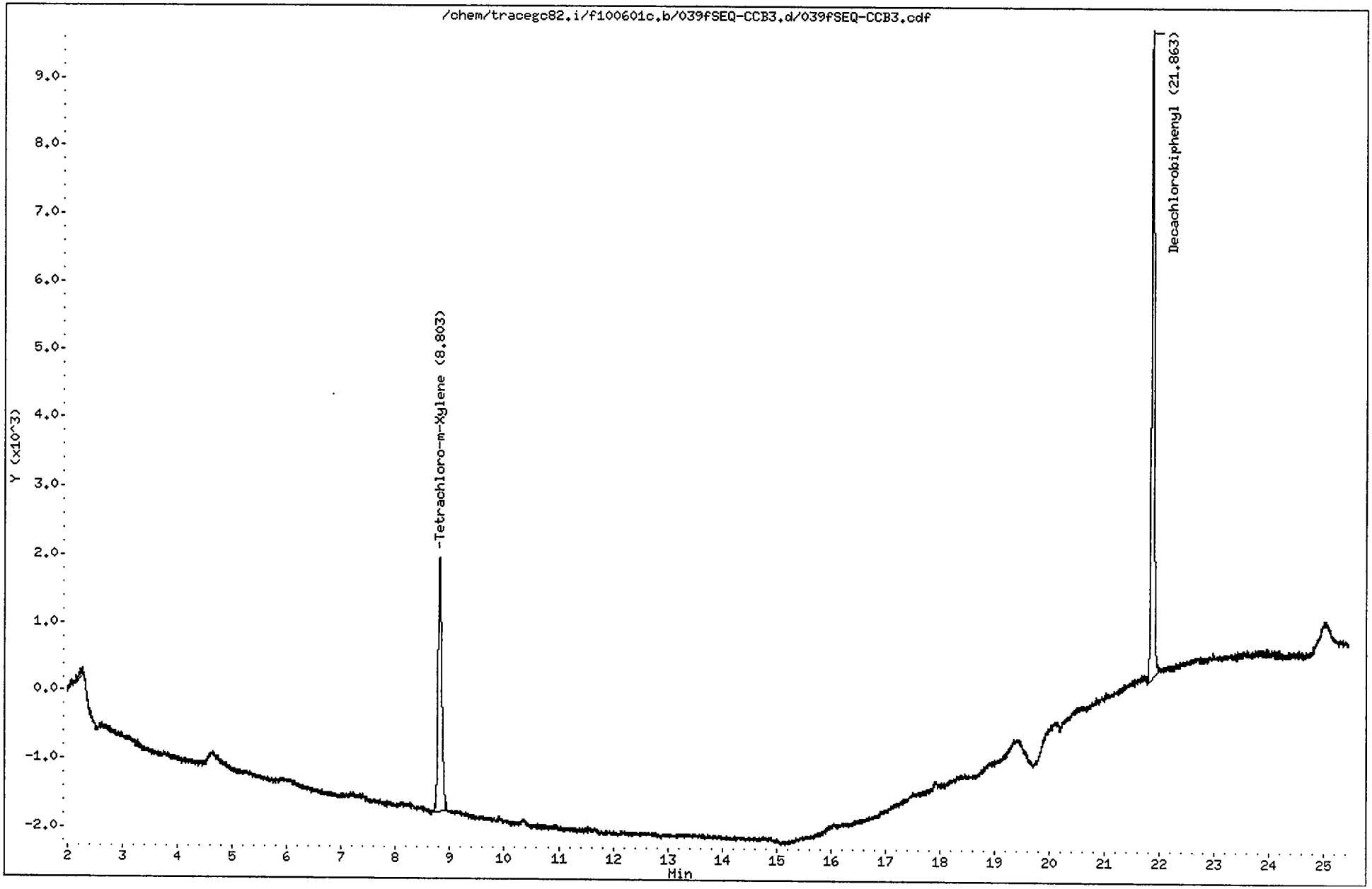
Sample Info: SEQ-CCB3

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB3 Client Smp Id : PIBLKFG
Sample Type : INSTBLANK Sublist : all
Inj Date : 02-JUN-2010 10:15 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601c.b/8081A_clpestv6.m
Misc. Info : PIBLKFGFH

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
0.05			341						
1.38			3082						
1.45			35287						
2.23			514						
8.80	8.73	8.87	17823	1587700	Tetrachloro-m-Xylene	0.011226	0.056128		
21.86	21.79	21.93	32863	1622138	Decachlorobiphenyl	0.020259	0.101296		
24.13			316						

6/2/10

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKFH

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB3

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/02/10

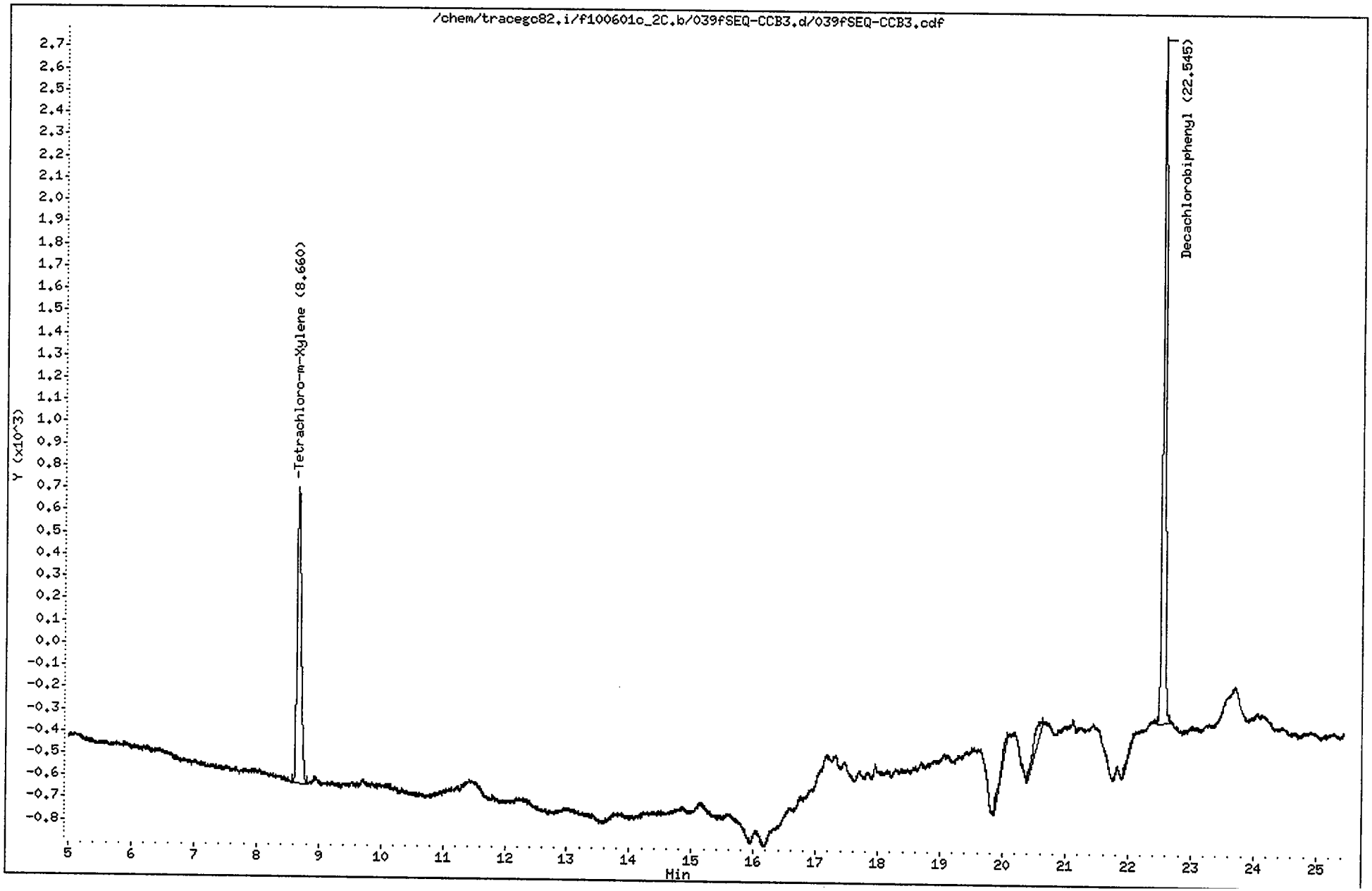
Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc82.i/f100601c_2C.b/039fSEQ-CCB3.d
Date : 02-JUN-2010 10:15
Client ID: PIBLKFH
Sample Info: SEQ-CCB3
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB3 Client Smp Id : PIBLKFH
Sample Type : INSTBLANK Sublist : all
Inj Date : 02-JUN-2010 10:15 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601c_2C.b/8081A_clpest2v6.m
Misc. Info : PIBLKFGFH

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
0.05			147						
1.35			680						
1.50			70940						
2.57			168						
8.66	8.59	8.73	6218	548876	Tetrachloro-m-Xylene	0.011328	0.056641		
20.06			327						
20.57			755						
22.06			144						
22.54	22.47	22.61	10266	497254	Decachlorobiphenyl	0.020645	0.103225		

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKFI

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB4

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/02/10

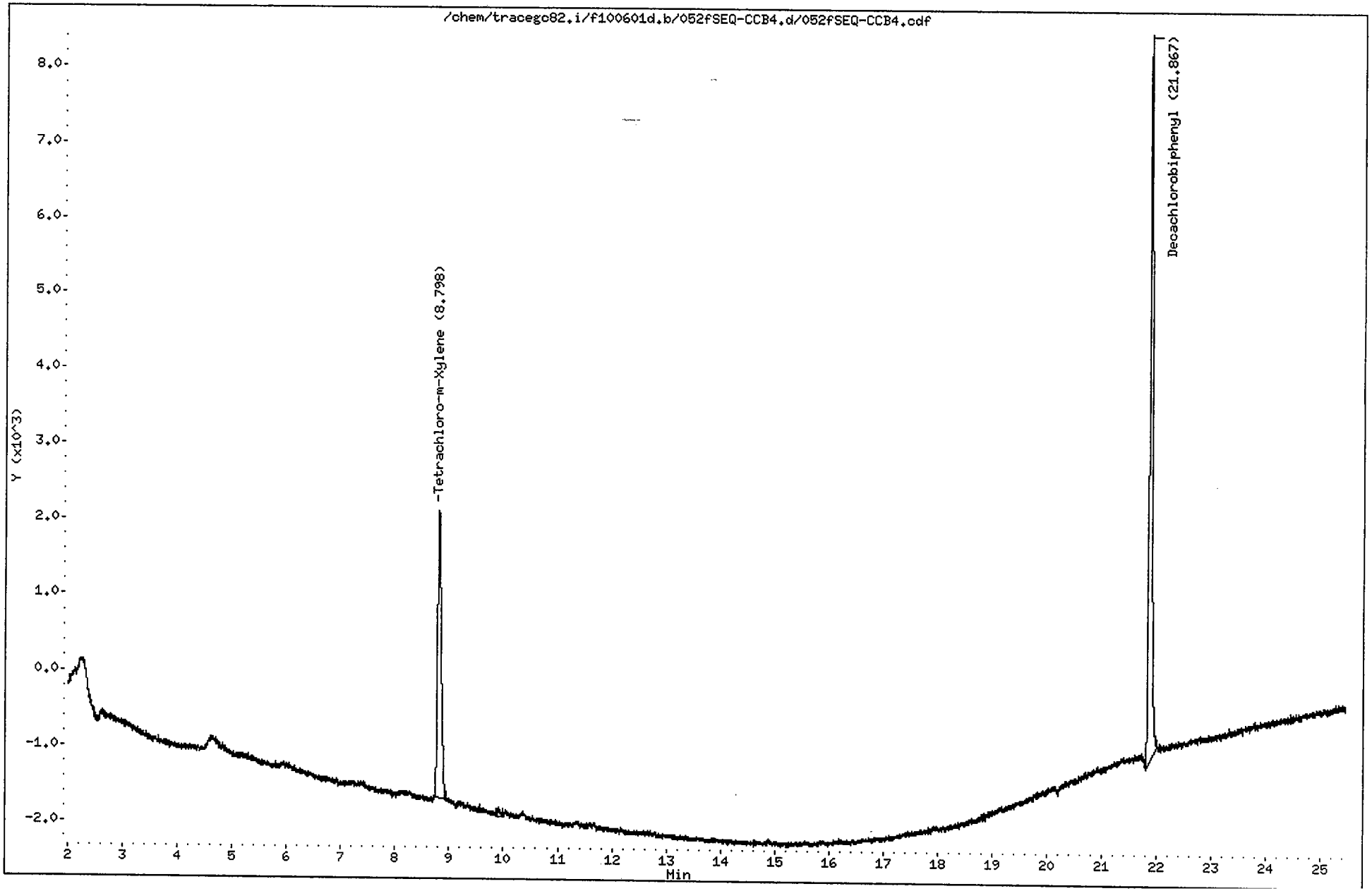
Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc82.i/f100601d.b/052fSEQ-CCB4.d
Date : 02-JUN-2010 16:34
Client ID: PIBLKFI
Sample Info: SEQ-CCB4
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB4 Client Smp Id : PIBLKFI
Sample Type : INSTBLANK Sublist : all
Inj Date : 02-JUN-2010 16:34 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601d.b/8081A_clpestv6.m
Misc. Info : PIBLKFIFJ

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.04			292						
1.32			469						
1.37			2242						
1.45			28350						
8.80	8.73	8.87	17927	1587700	Tetrachloro-m-Xylene	0.011291	0.056456		
9.90			424						
21.87	21.79	21.93	34910	1622138	Decachlorobiphenyl	0.021521	0.107604		

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKFJ

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB4

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/02/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc82.i/f100601d_2C.b/052fSEQ-CCB4.d

Date : 02-JUN-2010 16:34

Client ID: PIBLKFJ

Sample Info: SEQ-CCB4

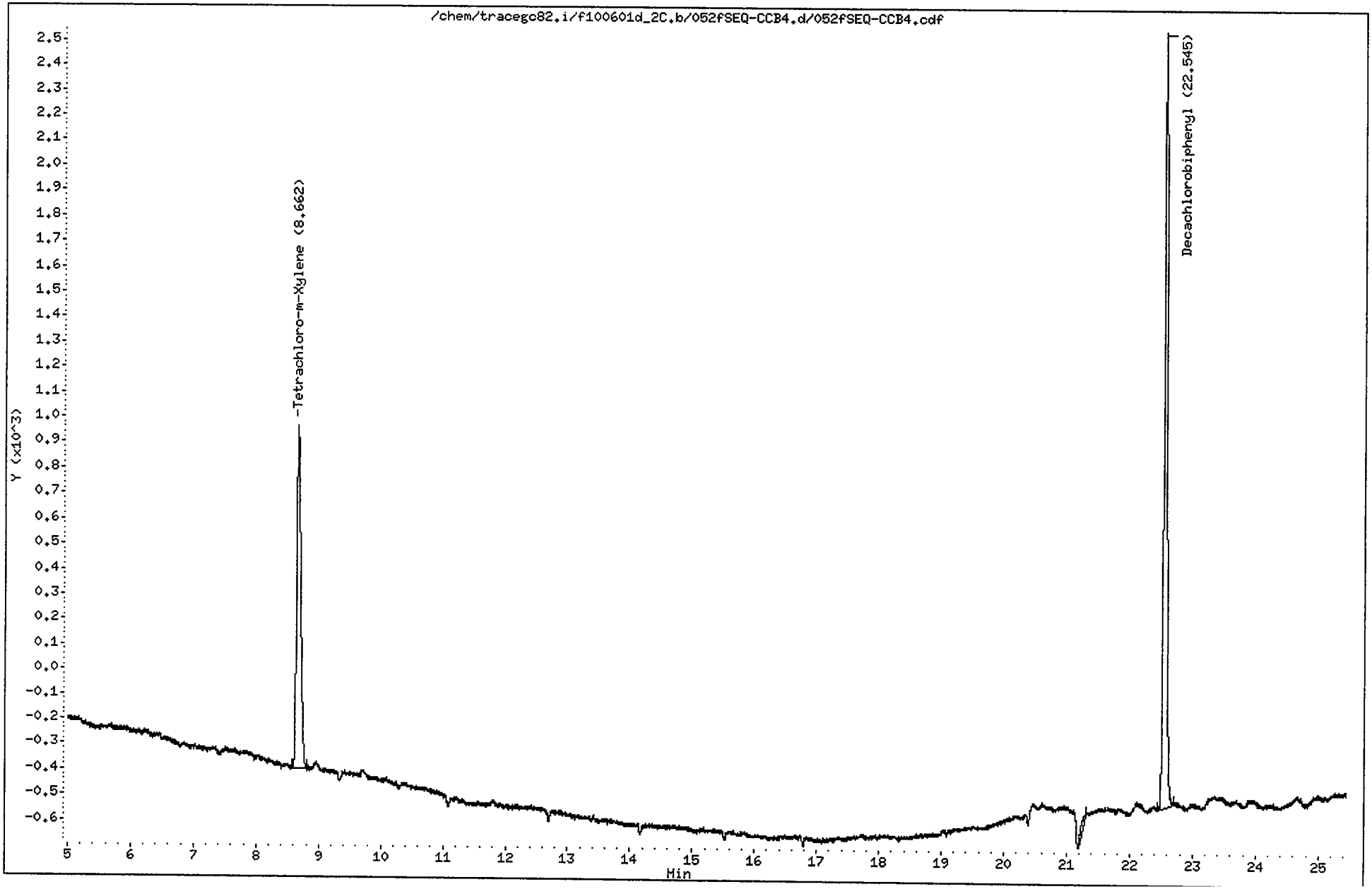
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB4 Client Smp Id : PIBLKFJ
Sample Type : INSTBLANK Sublist : all
Inj Date : 02-JUN-2010 16:34 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601d_2C.b/8081A_clpest2v6.m
Misc. Info : PIBLKFIFJ

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.35			550						
1.50			65190						
2.59			293						
8.66	8.59	8.73	6232	548876	Tetrachloro-m-Xylene	0.011354	0.056772		
21.30			214						
22.54	22.47	22.61	10647	497254	Decachlorobiphenyl	0.021411	0.107054		

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKFK

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/02/10

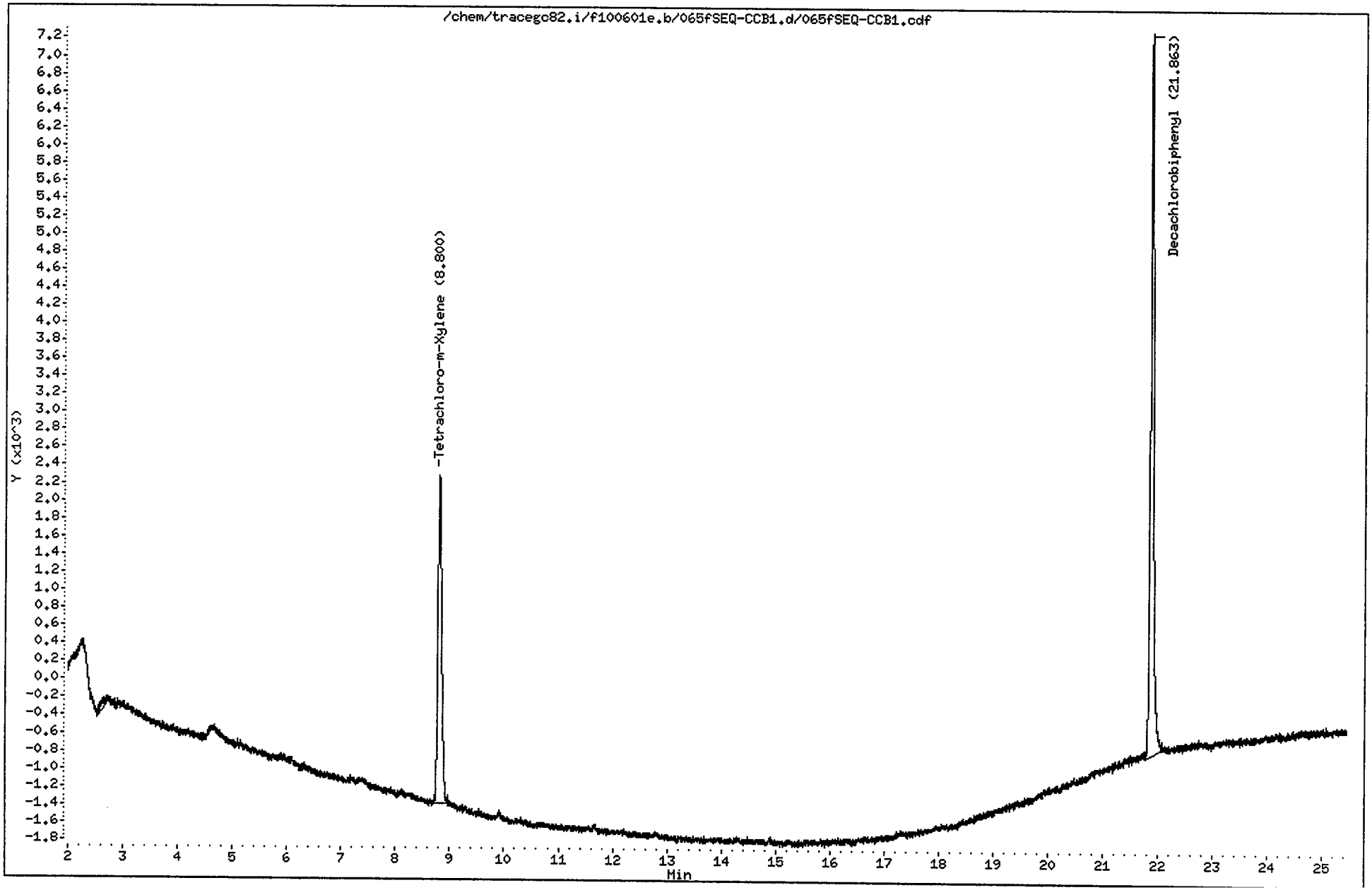
Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc82.i/f100601e.b/065fSEQ-CCB1.d
Date : 02-JUN-2010 22:52
Client ID: PIBLKFK
Sample Info: SEQ-CCB1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB1 Client Smp Id : PIBLKFK
Sample Type : INSTBLANK Sublist : all
Inj Date : 02-JUN-2010 22:52 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601e.b/8081A_clpestv6.m
Misc. Info : PIBLKFKFL

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.37			1971						
1.45			29093						
2.64			576						
8.80	8.73	8.87	17695	1587700	Tetrachloro-m-Xylene	0.011145	0.055725		
21.86	21.79	21.93	32538	1622138	Decachlorobiphenyl	0.020059	0.100294		

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKFL

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/02/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

FORM I PEST

Data File: /chem/tracegc82.i/f100601e_2C.b/065fSEQ-CCB1.d

Date : 02-JUN-2010 22:52

Client ID: PIBLKFL

Sample Info: SEQ-CCB1

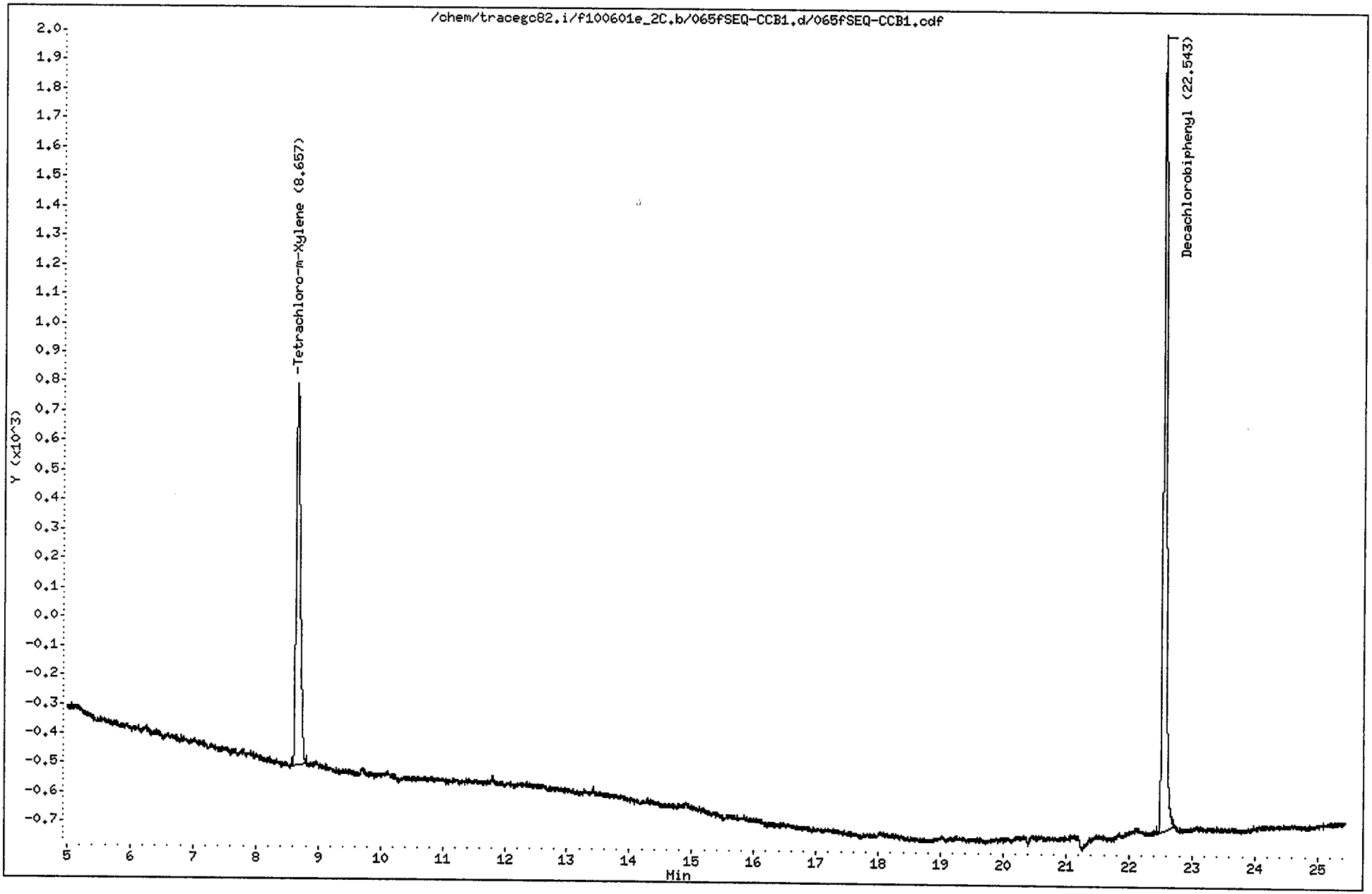
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB1 Client Smp Id : PIBLKFL
Sample Type : INSTBLANK Sublist : all
Inj Date : 02-JUN-2010 22:52 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601e_2C.b/8081A_clpest2v6.m
Misc. Info : PIBLKFKFL

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.36			554						
1.51			66138						
2.58			248						
8.66	8.59	8.73	6053	548876	Tetrachloro-m-Xylene	0.011029	0.055144		
22.54	22.47	22.61	10123	497254	Decachlorobiphenyl	0.020357	0.101785		

11/5/10

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKFM

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/03/10

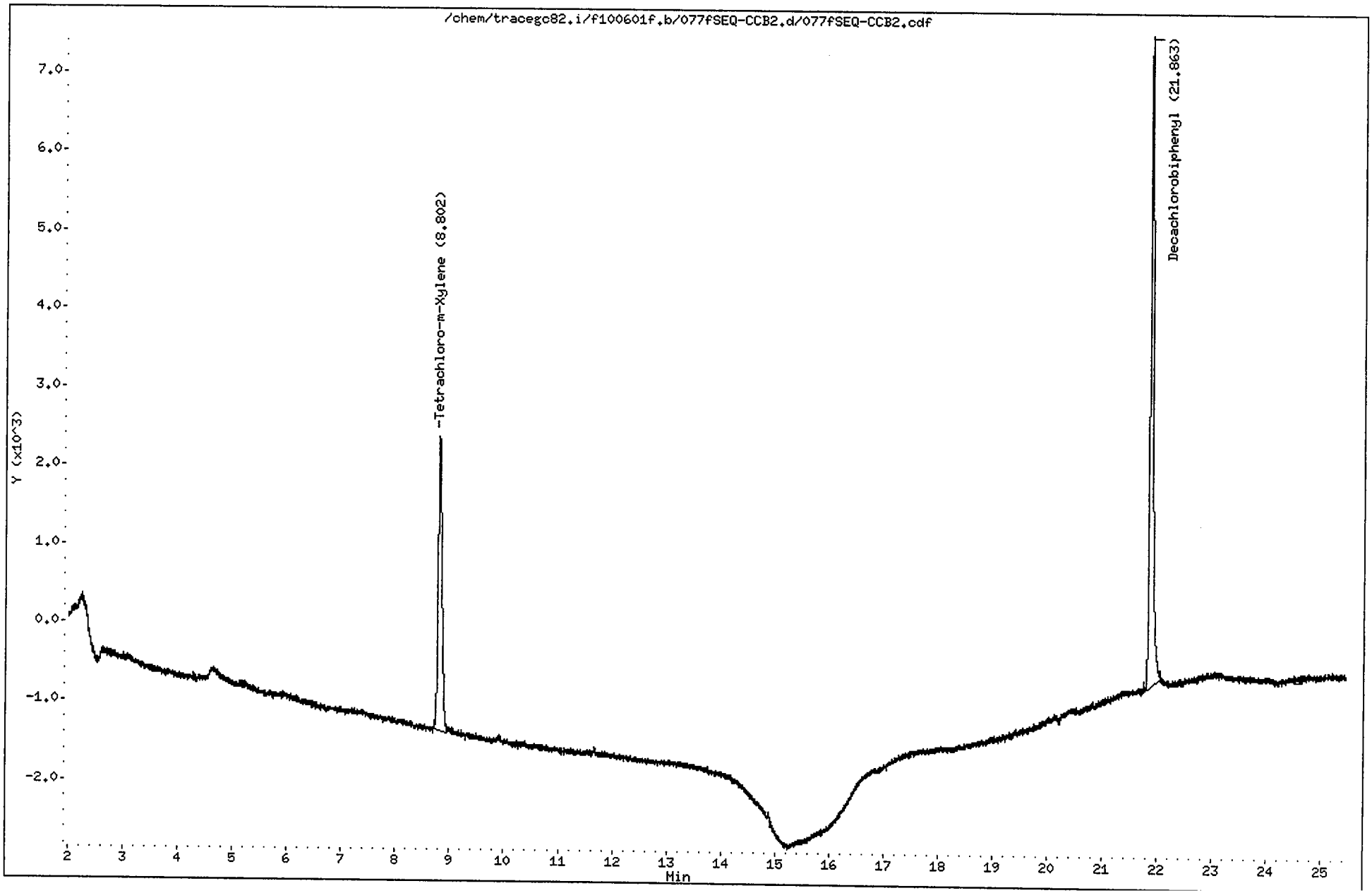
Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc82.i/f100601f.b/077fSEQ-CCB2.d
Date : 03-JUN-2010 04:42
Client ID: PIBLKFM
Sample Info: SEQ-CCB2
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB2 Client Smp Id : PIBLKFM
Sample Type : INSTBLANK Sublist : all
Inj Date : 03-JUN-2010 04:42 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601f.b/8081A_clpestv6.m
Misc. Info : PIBLKFMFN

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
0.37			352						
1.04			370						
1.38			3750						
1.46			35797						
8.80	8.73	8.87	18141	1587700	Tetrachloro-m-Xylene	0.011426	0.057131		
21.86	21.79	21.93	32758	1622138	Decachlorobiphenyl	0.020195	0.100973		
24.52			366						

6/6/10

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKFN

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/03/10

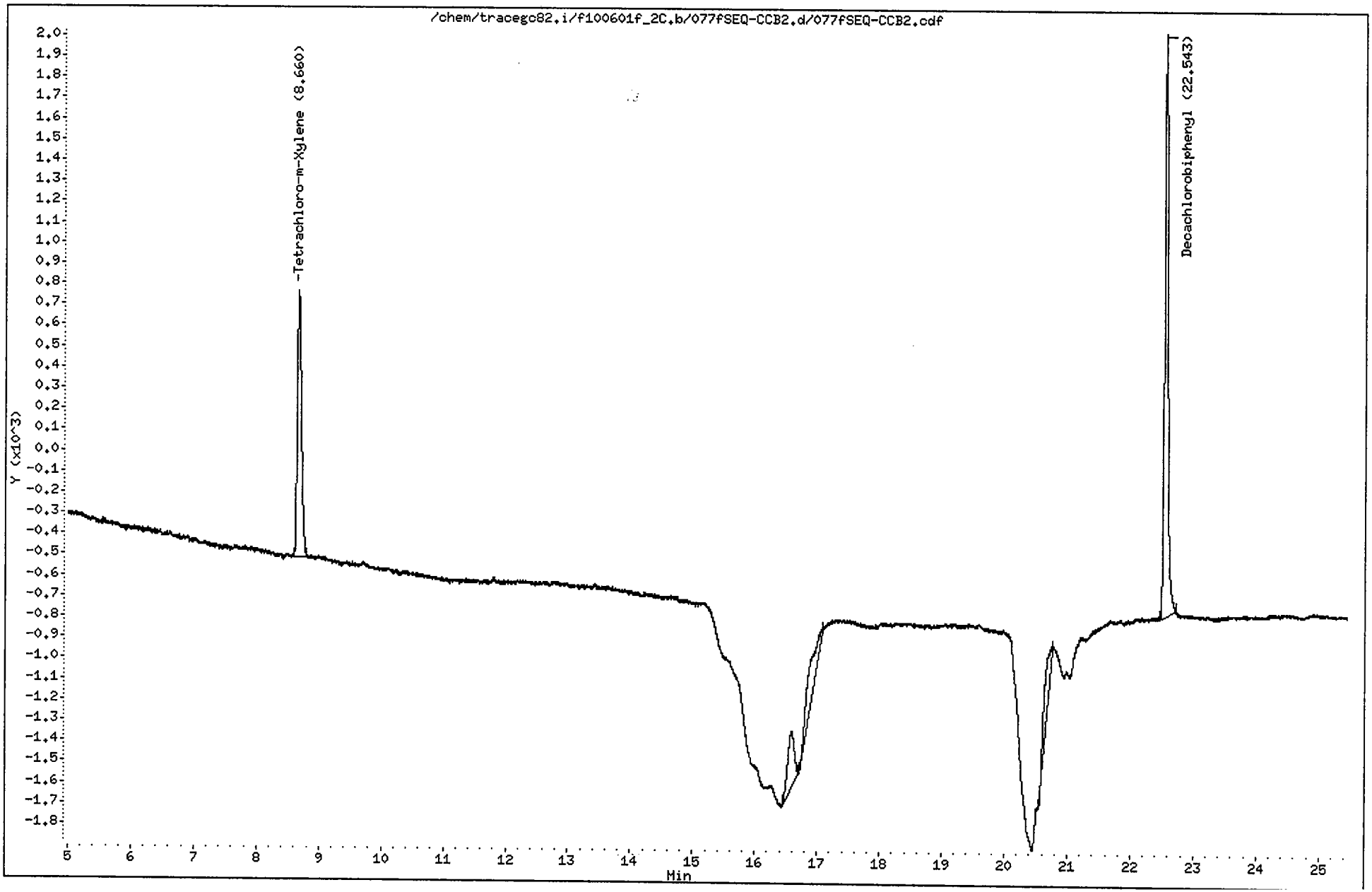
Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc82.i/f100601f_2C.b/077fSEQ-CCB2.d
Date : 03-JUN-2010 04:42
Client ID: PIBLKFN
Sample Info: SEQ-CCB2
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB2 Client Smp Id : PIBLKFN
Sample Type : INSTBLANK Sublist : all
Inj Date : 03-JUN-2010 04:42 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601f_2C.b/8081A_clpest2v6.m
Misc. Info : PIBLKFMFN

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.35			854						
1.49			68198						
2.58			178						
8.66	8.59	8.73	5896	548876	Tetrachloro-m-Xylene	0.010742	0.053710		
16.59			1971						
17.08			2621						
20.74			1987						
22.54	22.47	22.61	10514	497254	Decachlorobiphenyl	0.021144	0.105721		

6/4/10

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKFO

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) WATER Lab Sample ID: SEQ-IBL3

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/03/10

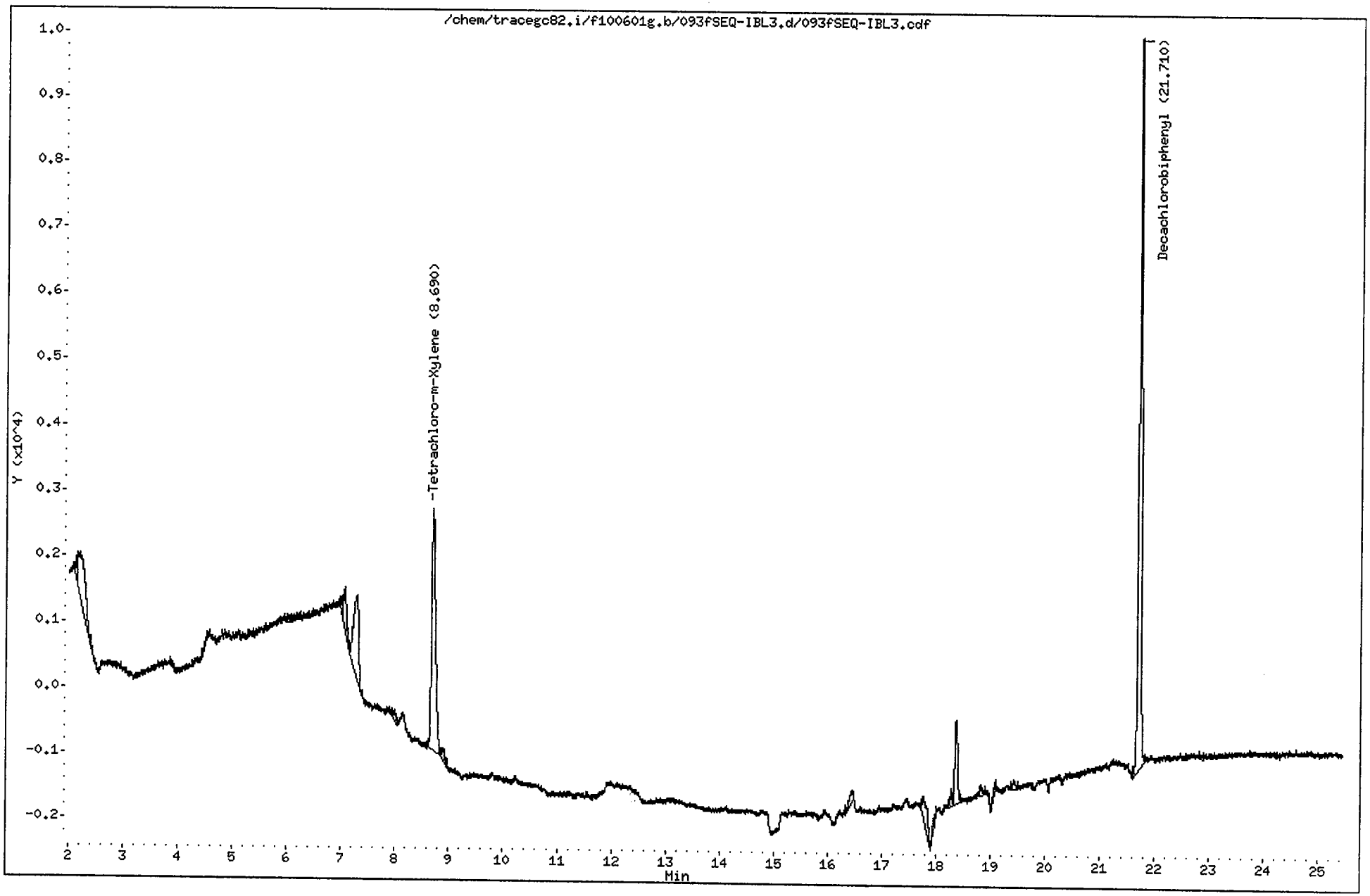
Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc82.i/f100601g.b/093fSEQ-IBL3.d
Date : 03-JUN-2010 13:59
Client ID: PIBLKFO
Sample Info: SEQ-IBL3
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-IBL3 Client Smp Id : PIBLKFO
Sample Type : INSTBLANK Sublist : all
Inj Date : 03-JUN-2010 13:59 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601g.b/8081A_clpestv6.m
Misc. Info : PIBLKFOFP

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
0.36			336						
1.05			433						
1.20			437						
1.43			60458						
2.14			809						
2.20			6557						
4.52			322						
6.01			280						
7.00			578						
7.06			2294						
7.27			8260						
7.97			447						
8.69	8.63	8.77	18445	1587700	Tetrachloro-m-Xylene	0.011617	0.058086		
8.89			829						
16.42			933						
17.77			2769						
18.00			629						
18.28			590						
18.36			4553						
18.84			395						
19.08			601						
19.43			387						
21.71	21.64	21.78	35822	1622138	Decachlorobiphenyl	0.022083	0.110416		
22.82			286						

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKFP

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) WATER Lab Sample ID: SEQ-IBL3

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/03/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc82.i/f100601g_2C.b/093fSEQ-IBL3.d

Date : 03-JUN-2010 13:59

Client ID: PIBLKFP

Sample Info: SEQ-IBL3

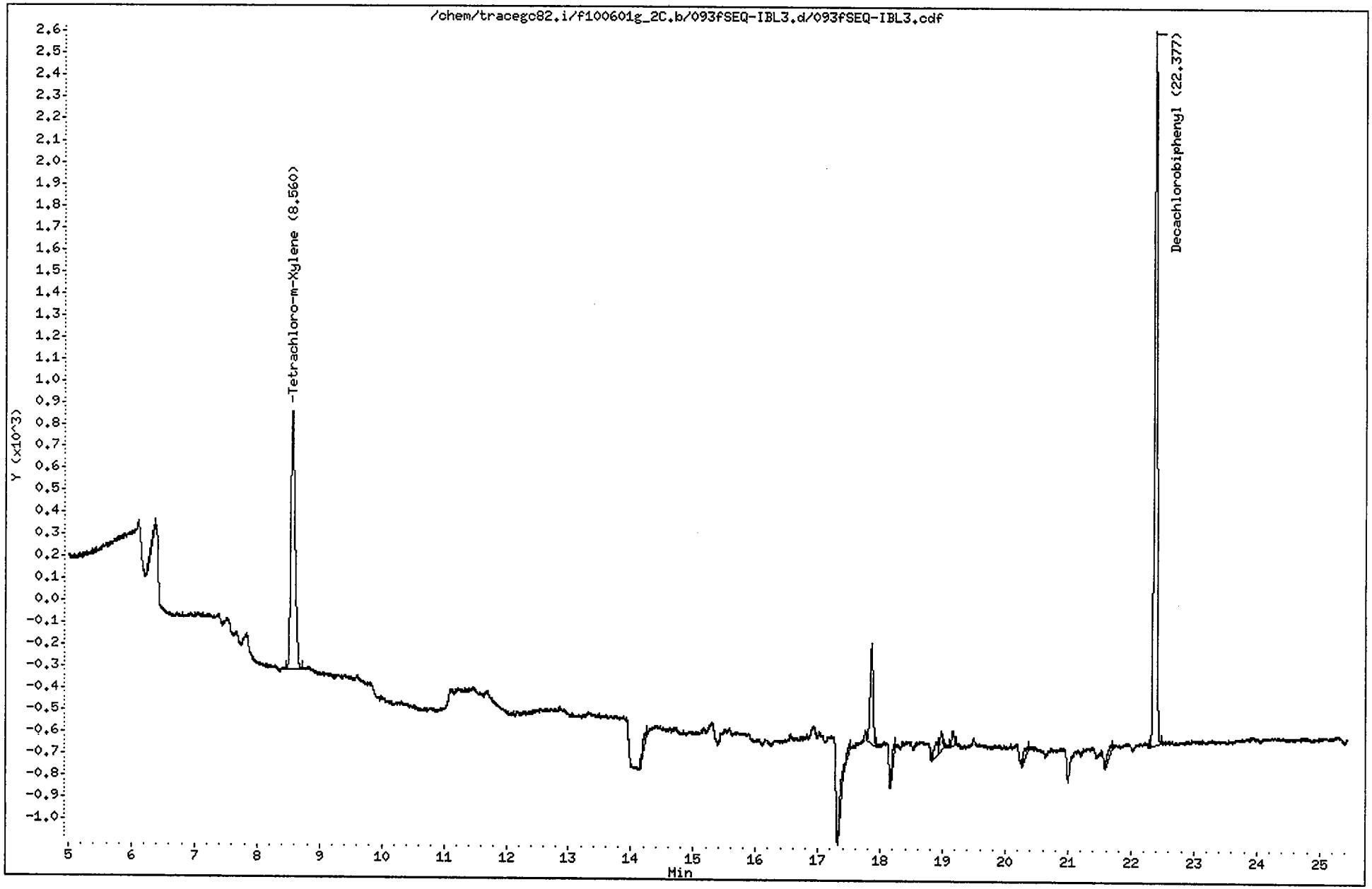
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-IBL3 Client Smp Id : PIBLKFP
Sample Type : INSTBLANK Sublist : all
Inj Date : 03-JUN-2010 13:59 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601g_2C.b/8081A_clpest2v6.m
Misc. Info : PIBLKFOFP

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.05			430						
1.46			98311						
2.58			279						
6.36			220						
8.56	8.49	8.63	5451	548876	Tetrachloro-m-Xylene	0.009931	0.049654		
14.24			182						
17.41			417						
17.51			220						
17.86			1516						
18.23			186						
18.90			290						
18.98			257						
19.16			213						
20.34			184						
21.68			228						
22.38	22.31	22.45	10136	497254	Decachlorobiphenyl	0.020383	0.101917		

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKHE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

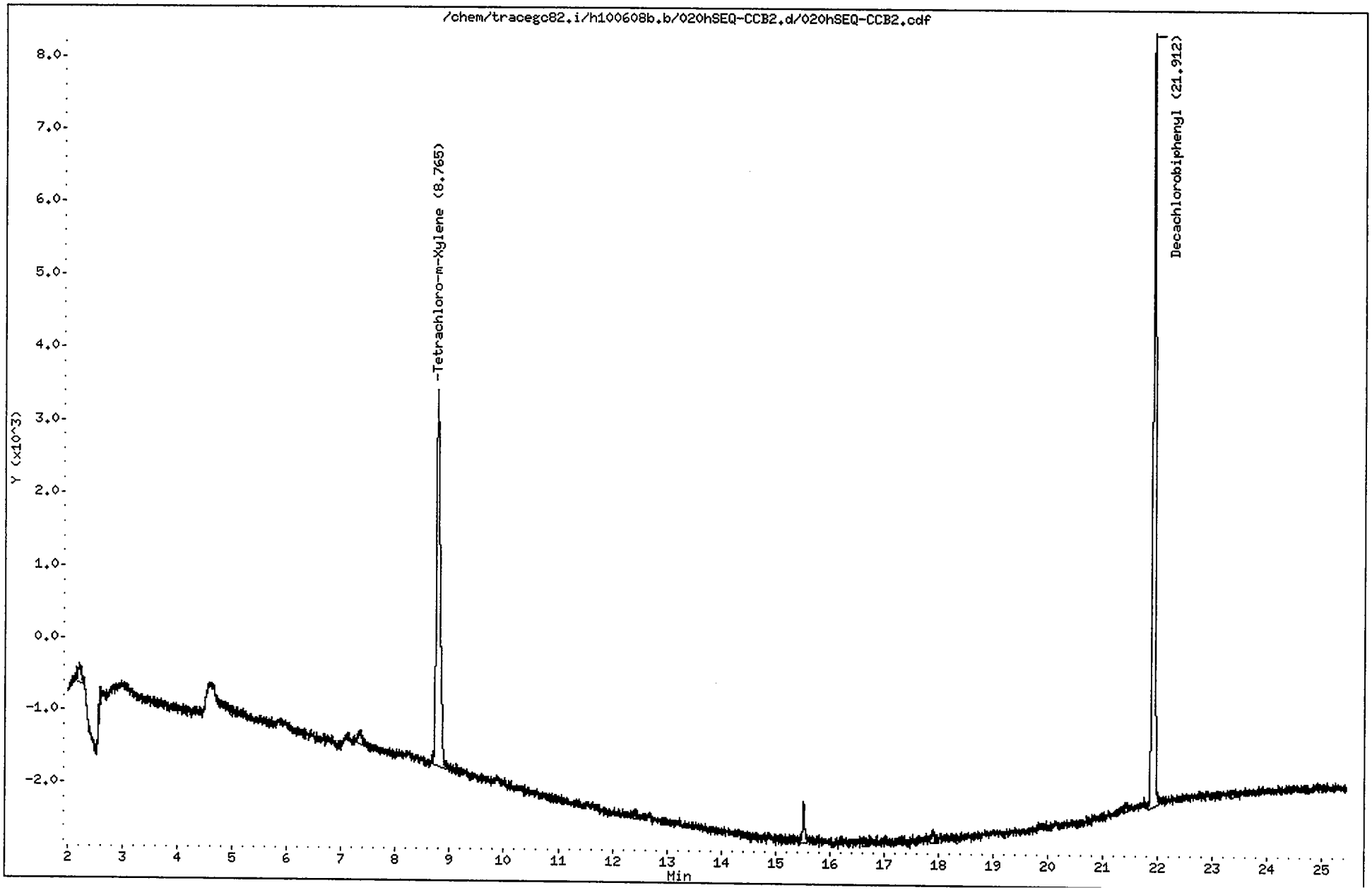
Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc82.i/h100608b.b/020hSEQ-CCB2.d
Date : 09-JUN-2010 14:29
Client ID: PIBLKHE
Sample Info: SEQ-CCB2
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i
Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB2 Client Smp Id : PIBLKHE
Sample Type : INSTBLANK Sublist : all
Inj Date : 09-JUN-2010 14:29 Inst ID : TRACEGC82
Operator : AHW
Method : /chem/tracegc82.i/h100608b.b/8081A_clpestv6.m
Misc. Info : PIBLKHEHF

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
0.46			295						
0.83			355						
1.05			614						
1.28			788						
1.36			4177						
1.42			33373						
2.20			1050						
2.58			826						
4.93			308						
7.33			732						
8.76	8.69	8.83	25062	2301868	Tetrachloro-m-Xylene	0.010888	0.054439		
12.40			304						
15.52			1513						
16.64			317						
17.90			698						
18.36			410						
21.40			350						
21.91	21.84	21.98	36718	1657019	Decachlorobiphenyl	0.022159	0.110796		
23.36			318						

AHW
6/10/10

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKHF

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc82.i/h100608b_2C.b/020hSEQ-CCB2.d

Date : 09-JUN-2010 14:29

Client ID: PIBLKHF

Instrument: tracegc82.i

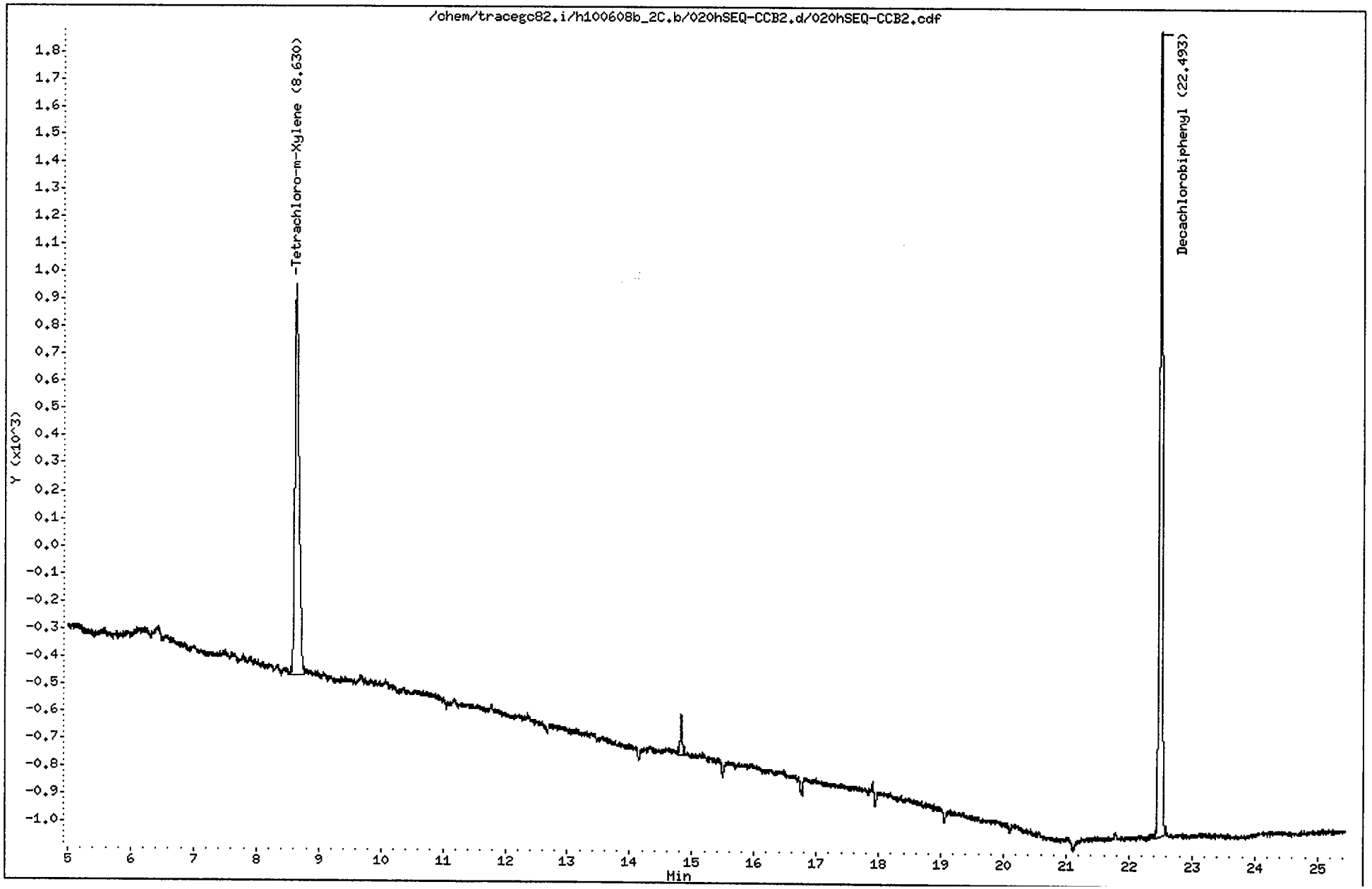
Sample Info: SEQ-CCB2

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB2 Client Smp Id : PIBLKHF
Sample Type : INSTBLANK Sublist : all
Inj Date : 09-JUN-2010 14:29 Inst ID : TRACEGC82
Operator : AHW
Method : /chem/tracegc82.i/h100608b_2C.b/8081A_clpest2v6.m
Misc. Info : PIBLKHEHF

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.33			1124						
1.48			65174						
2.54			384						
8.63	8.56	8.70	6551	632710	Tetrachloro-m-Xylene	0.010354	0.051771		
14.83			333						
22.49	22.43	22.57	9219	423349	Decachlorobiphenyl	0.021776	0.108878		

AHW
6/10/10

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKHG

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB3

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

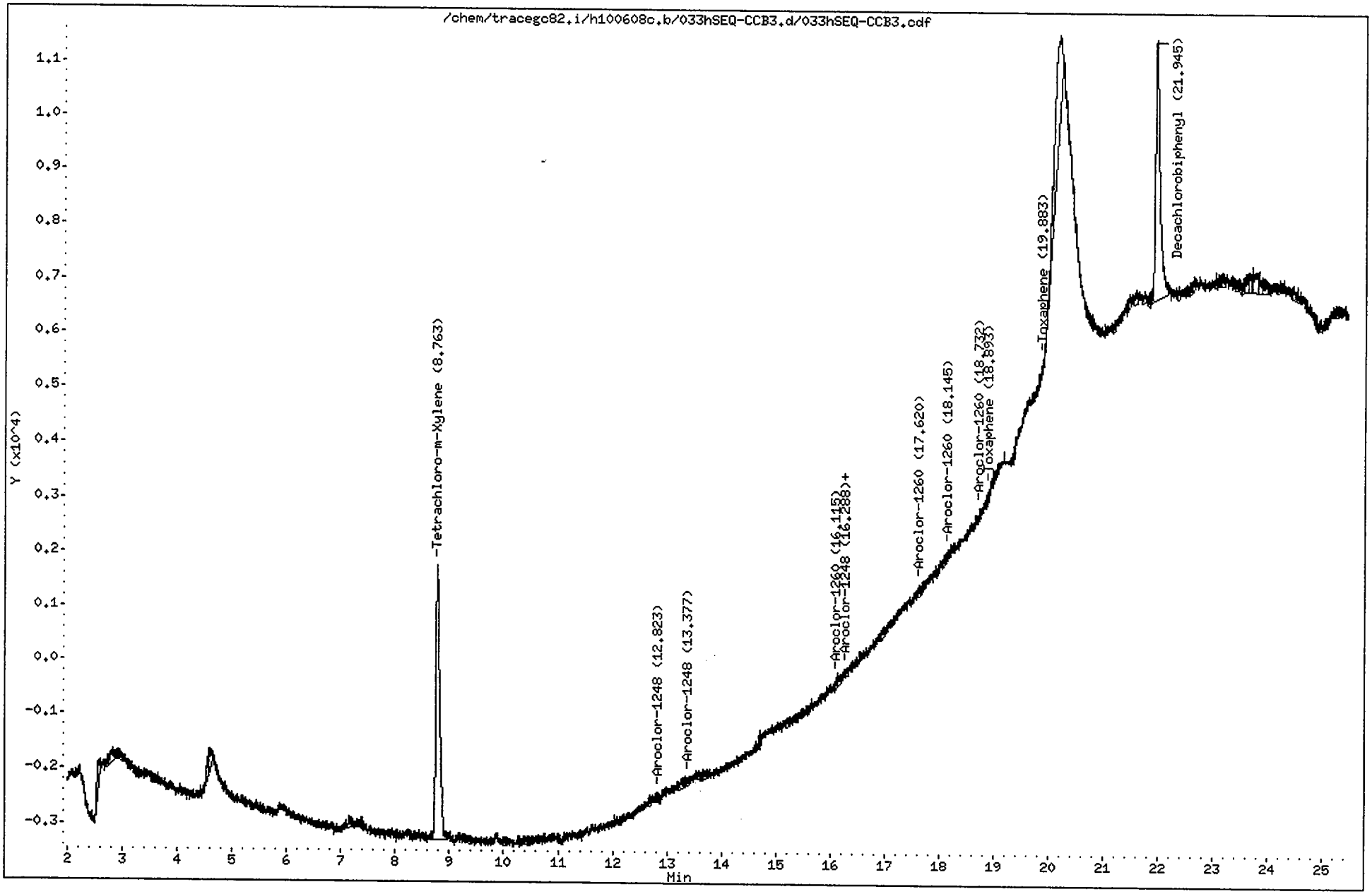
GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc82.i/h100608c.b/033hSEQ-CCB3.d
Date : 09-JUN-2010 20:48
Client ID: PIBLKHG
Sample Info: SEQ-CCB3
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB3 Client Smp Id : PIBLKHG
Sample Type : INSTBLANK Sublist : all
Inj Date : 09-JUN-2010 20:48 Inst ID : TRACEGC82
Operator : AHW
Method : /chem/tracegc82.i/h100608c.b/8081A_clpestv6.m
Misc. Info : PIBLKHGHH

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
0.06			1957						
0.18			305						
0.30			360						
0.32			311						
0.39			915						
0.43			642						
0.49			475						
0.65			575						
0.80			400						
1.04			2376						
1.13			3513						
1.18			3695						
1.35			19772						
1.42			53280						
2.18			344						
2.58			1573						
2.73			312						
2.81			1049						
2.94			570						
3.10			371						
3.25			294						
3.55			390						
4.57			1131						
4.59			1041						
5.42			379						
7.15			725						
7.32			420						
8.37			429						
8.76	8.69	8.83	25443	2301868	Tetrachloro-m-Xylene	0.011053	0.055266		
9.33			530						
10.00			374						
10.29			405						
10.40			397						
10.50			465						
12.69			285						
12.82			470						
13.27			497						

AHW
6/10/10

CompuChem

Lab Smp Id : SEQ-CCB3 Client Smp Id : PIBLKHG
Sample Type : INSTBLANK Sublist : all
Inj Date : 09-JUN-2010 20:48 Inst ID :
Operator : AHW
Method : /chem/tracegc82.i/h100608c.b/8081A_clpestv6.m
Misc. Info : PIBLKHGHH

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
13.38		369						
13.58		511						
13.68		566						
14.74		292						
15.20		375						
15.62		345						
16.11		463						
16.17		454						
16.29		326						
16.29		326						
16.58		348						
16.96		517						
17.62		451						
17.71		394						
18.00		398						
18.09		383						
18.14		447						
18.73		294						
18.89		364						
18.98		339						
19.06		367						
19.67		370						
19.75		329						
19.88		425						
20.17		17760						
20.66		498						
20.76		329						
21.00		284						
21.16		324						
21.45		552						
21.54		681						
21.71		527						
21.79		408						
21.82		393						
21.94	21.84 21.98	26741	1657019	Decachlorobiphenyl	0.016138	0.080690		
22.33		356						
22.50		368						
22.55		434						

CompuChem

Lab Smp Id : SEQ-CCB3 Client Smp Id : PIBLKHG
Sample Type : INSTBLANK Sublist : all
Inj Date : 09-JUN-2010 20:48 Inst ID :
Operator : AHW
Method : /chem/tracegc82.i/h100608c.b/8081A_clpestv6.m
Misc. Info : PIBLKHGHH

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
22.62		327						
23.00		441						
23.13		674						
23.37		344						
23.50		470						
23.54		510						
23.58		1103						
23.64		655						
23.69		570						
23.74		1613						
23.82		1273						
23.92		1016						
24.10		408						
24.16		385						
24.23		286						
24.39		317						
24.44		432						
24.50		612						
24.74		368						
24.95		509						
25.05		528						
25.19		317						
25.24		350						

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKHH

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB3

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

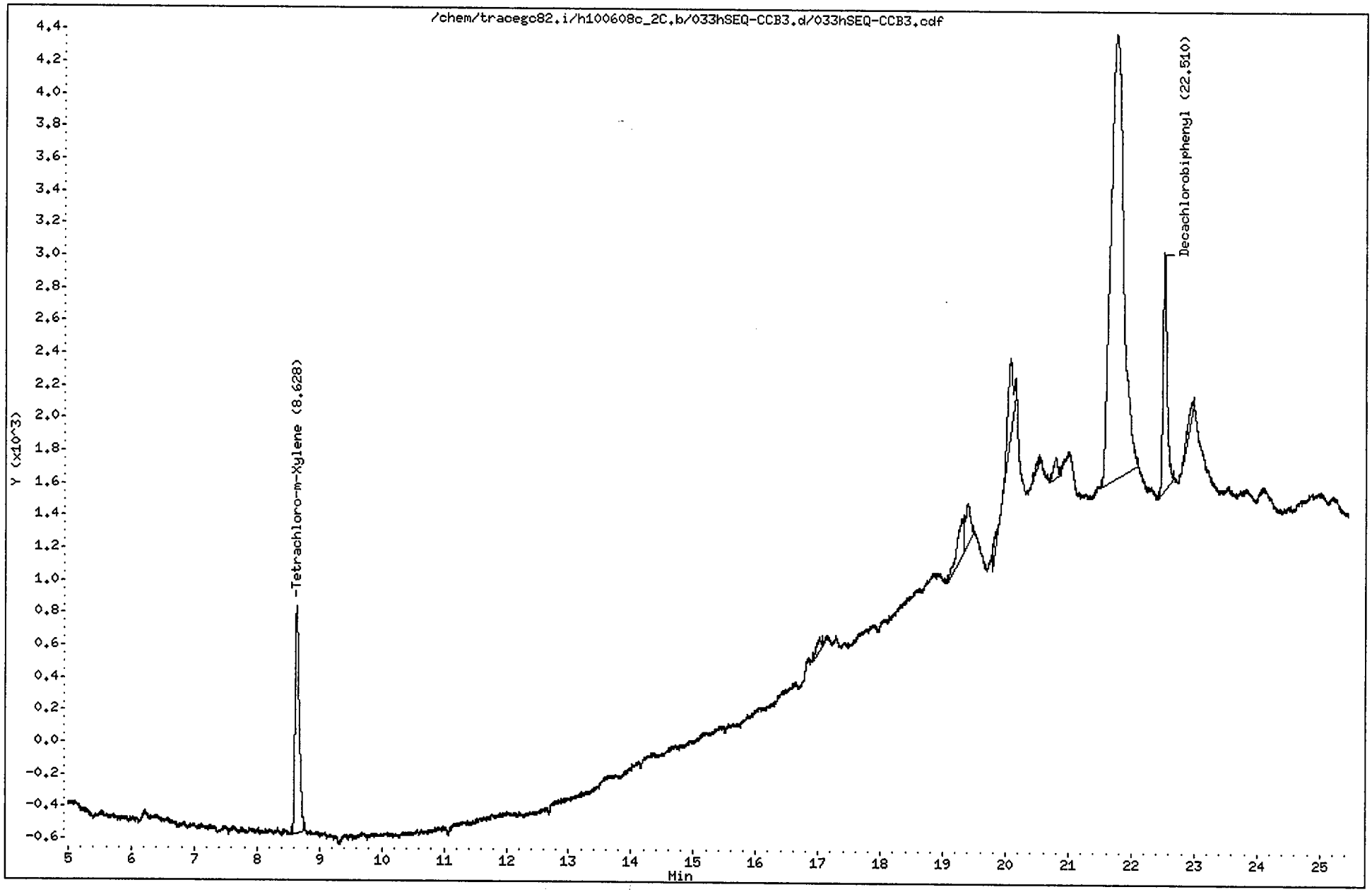
GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc82.i/h100608c_2C.b/033hSEQ-CCB3.d
Date : 09-JUN-2010 20:48
Client ID: PIBLKHH
Sample Info: SEQ-CCB3
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB3 Client Smp Id : PIBLKHH
Sample Type : INSTBLANK Sublist : all
Inj Date : 09-JUN-2010 20:48 Inst ID : TRACEGC82
Operator : AHW
Method : /chem/tracegc82.i/h100608c_2C.b/8081A_clpest2v6.m
Misc. Info : PIBLKHGHH

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
0.09			157						
0.36			149						
1.05			136						
1.24			304						
1.33			1818						
1.48			69746						
2.52			329						
8.63	8.56	8.70	6455	632710	Tetrachloro-m-Xylene	0.010203	0.051013		
17.01			438						
19.29			1737						
19.38			1539						
20.07			3701						
20.50			224						
20.78			556						
21.75			38741						
22.51	22.43	22.57	6340	423349	Decachlorobiphenyl	0.014976	0.074878		
22.95			609						

AHW
6/10/10

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKIC

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/10/10

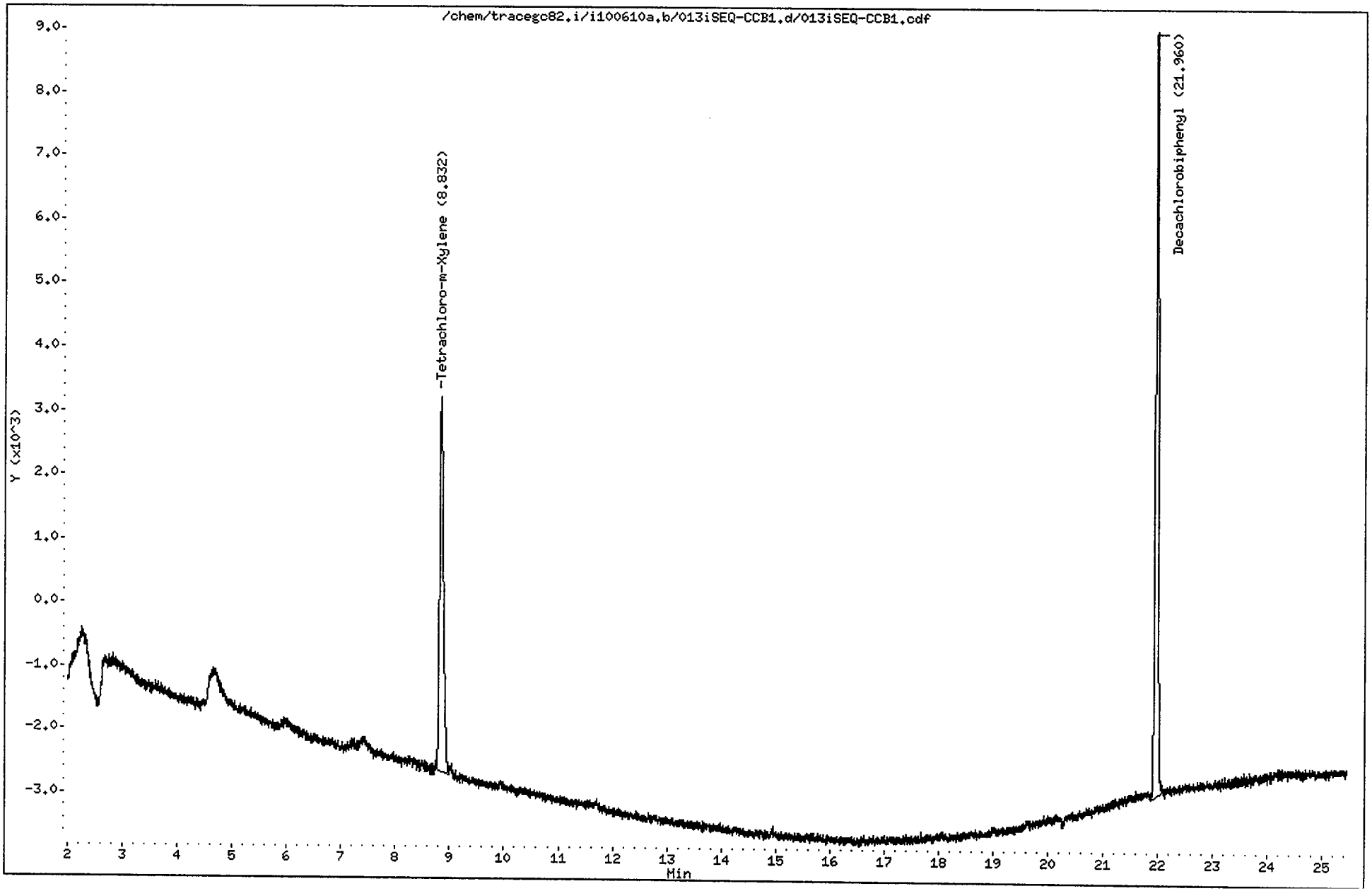
Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc82.i/i100610a.b/013iSEQ-CCB1.d
Date : 10-JUN-2010 22:20
Client ID: PIBLKIC
Sample Info: SEQ-CCB1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB1 Client Smp Id : PIBLKIC
Sample Type : INSTBLANK Sublist : all
Inj Date : 10-JUN-2010 22:20 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610a.b/8081A_clpestv6.m
Misc. Info : PIBLKICID

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.37			8041						
1.45			30752						
8.83	8.77	8.91	29050	2945399	Tetrachloro-m-Xylene	0.009863	0.049314		
21.96	21.90	22.04	43674	2320776	Decachlorobiphenyl	0.018819	0.094094		

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKID

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/10/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc82.i/i100610a_2C.b/013iSEQ-CCB1.d

Date : 10-JUN-2010 22:20

Client ID: PIBLKID

Sample Info: SEQ-CCB1

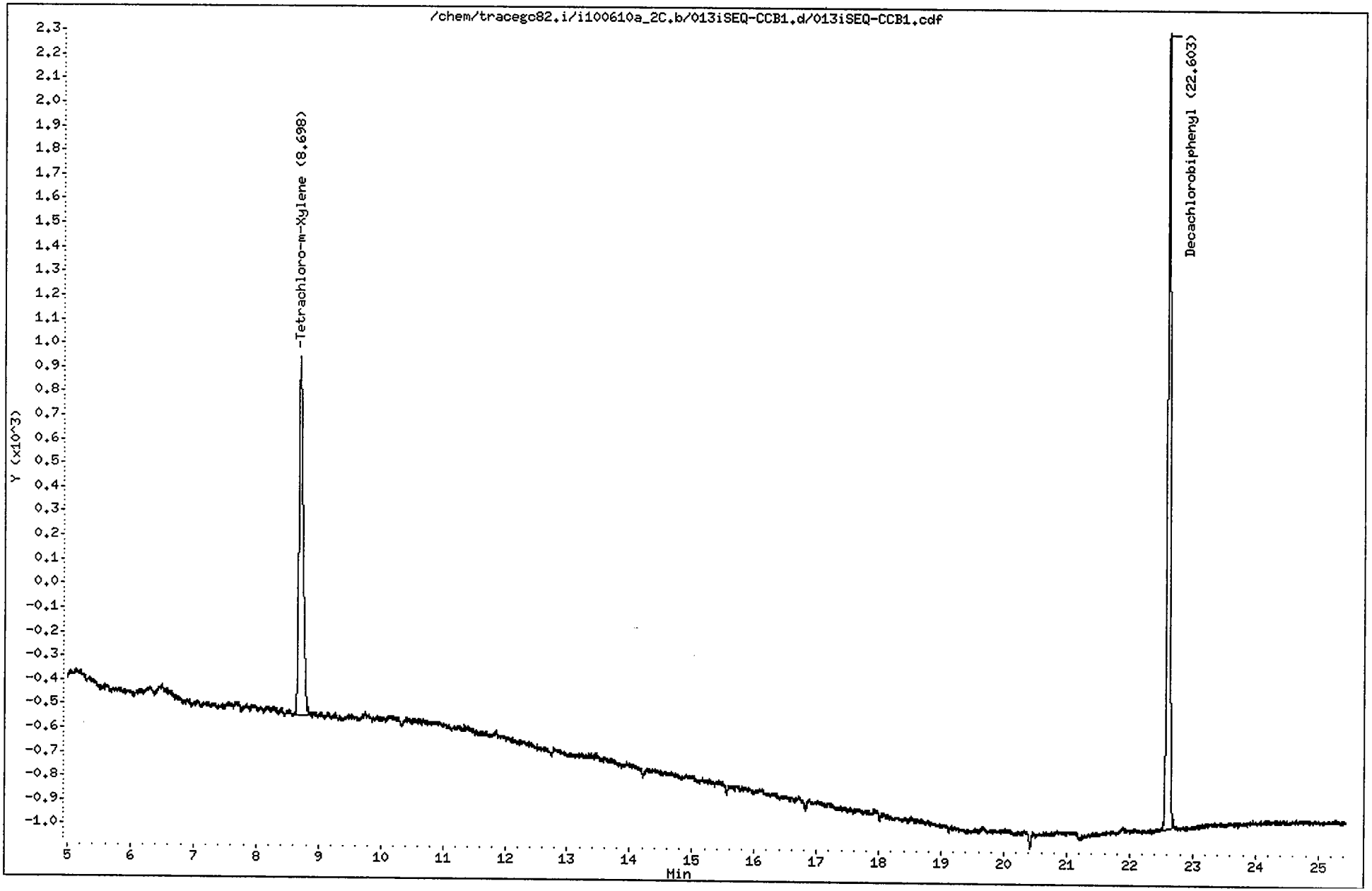
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB1 Client Smp Id : PIBLKID
Sample Type : INSTBLANK Sublist : all
Inj Date : 10-JUN-2010 22:20 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610a_2C.b/8081A_clpest2v6.m
Misc. Info : PIBLKICID

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.37			1347						
1.50			64918						
2.63			640						
8.70	8.63	8.77	6941	708805	Tetrachloro-m-Xylene	0.009793	0.048964		
22.60	22.53	22.67	10654	535699	Decachlorobiphenyl	0.019888	0.099440		

6/11/10

1D

EPA SAMPLE NO.

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

PIBLKIE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

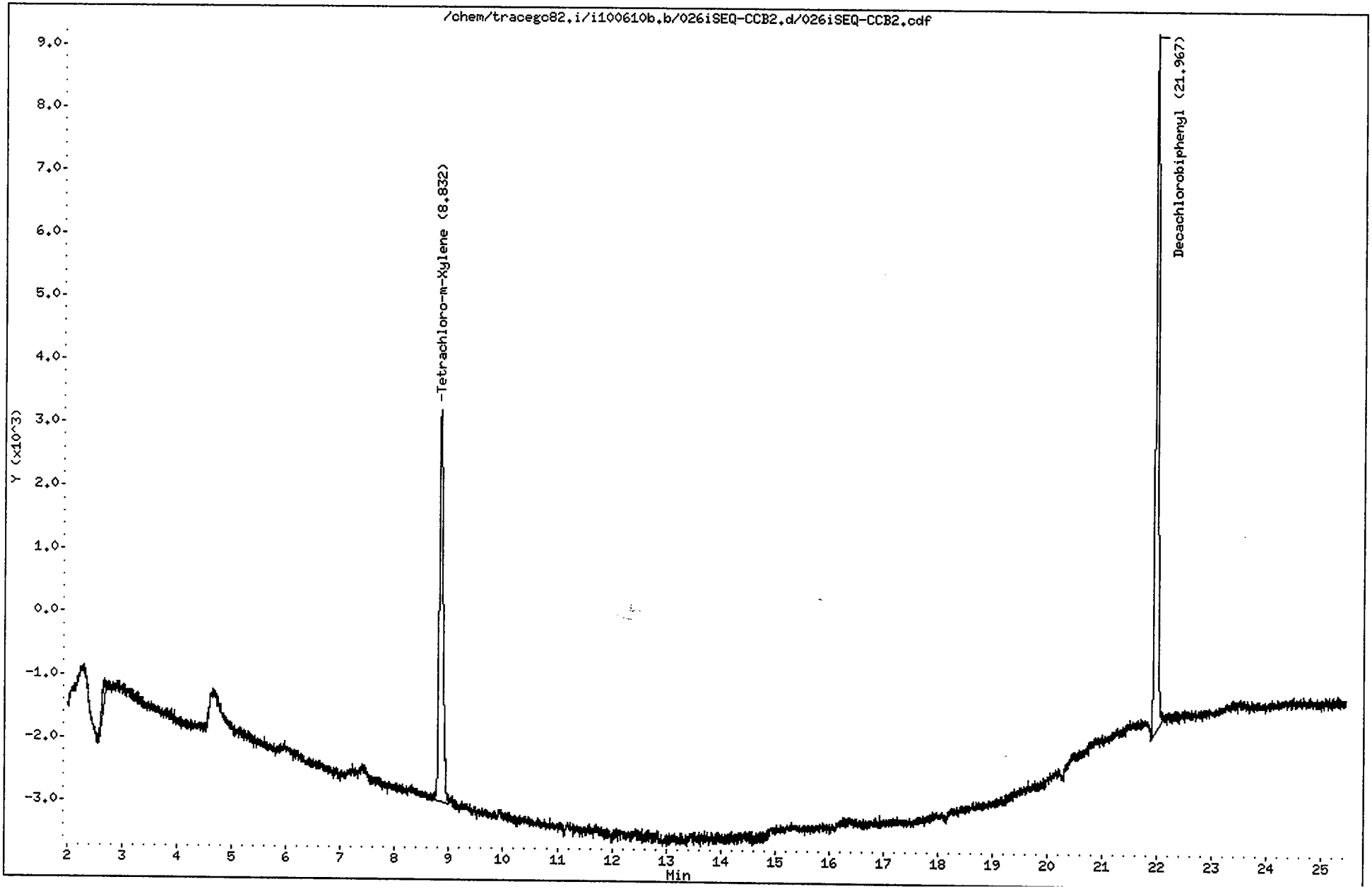
Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc82.i/i100610b.b/026iSEQ-CCB2.d
Date : 11-JUN-2010 04:39
Client ID: PIBLKIE
Sample Info: SEQ-CCB2
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB2 Client Smp Id : PIBLKIE
Sample Type : CONT CAL: Level 3 Sublist : all
Inj Date : 11-JUN-2010 04:39 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610b.b/8081A_clpestv6.m
Misc. Info : PIBLKIEIF

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.36			6261								
1.45			29650								
2.65			1671								
8.83	8.77	8.91	30721	2945399	Tetrachloro-m-Xylene	0.020000	3106450	-5.5	20.0		
21.97	21.90	22.04	42504	2320776	Decachlorobiphenyl	0.040000	2145810	7.5	20.0		

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKIF

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc82.i/i100610b_2C.b/026iSEQ-CCB2.d

Date : 11-JUN-2010 04:39

Client ID: PIBLKIF

Instrument: tracegc82.i

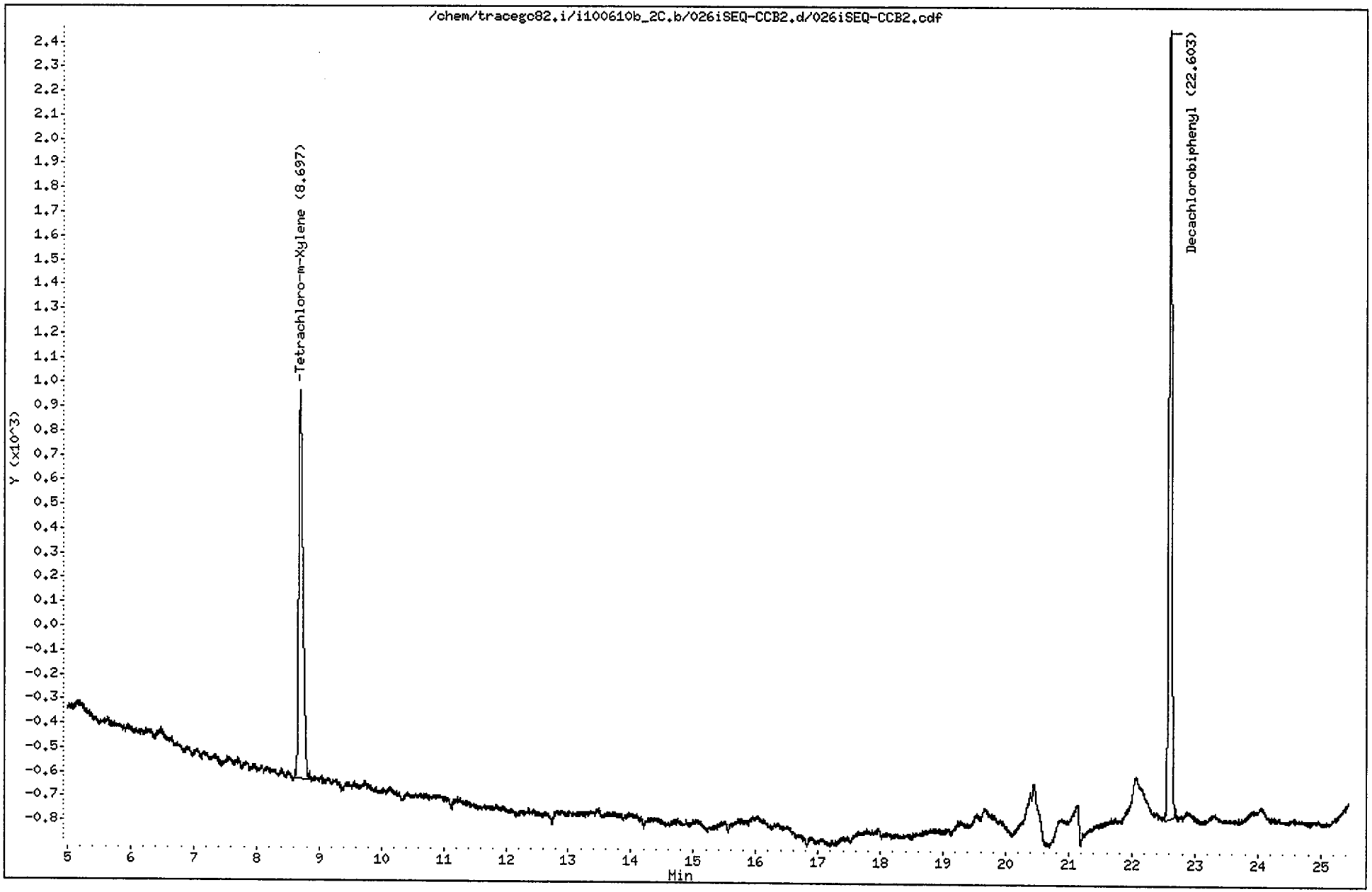
Sample Info: SEQ-CCB2

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB2 Client Smp Id : PIBLKIF
Sample Type : INSTBLANK Sublist : all
Inj Date : 11-JUN-2010 04:39 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610b_2C.b/8081A_clpest2v6.m
Misc. Info : PIBLKIEIF

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
0.50			211						
1.37			2069						
1.51			68194						
2.61			364						
8.70	8.63	8.77	7453	708805	Tetrachloro-m-Xylene	0.010515	0.052573		
22.60	22.53	22.67	10303	535699	Decachlorobiphenyl	0.019233	0.096166		

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKIG

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB3

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

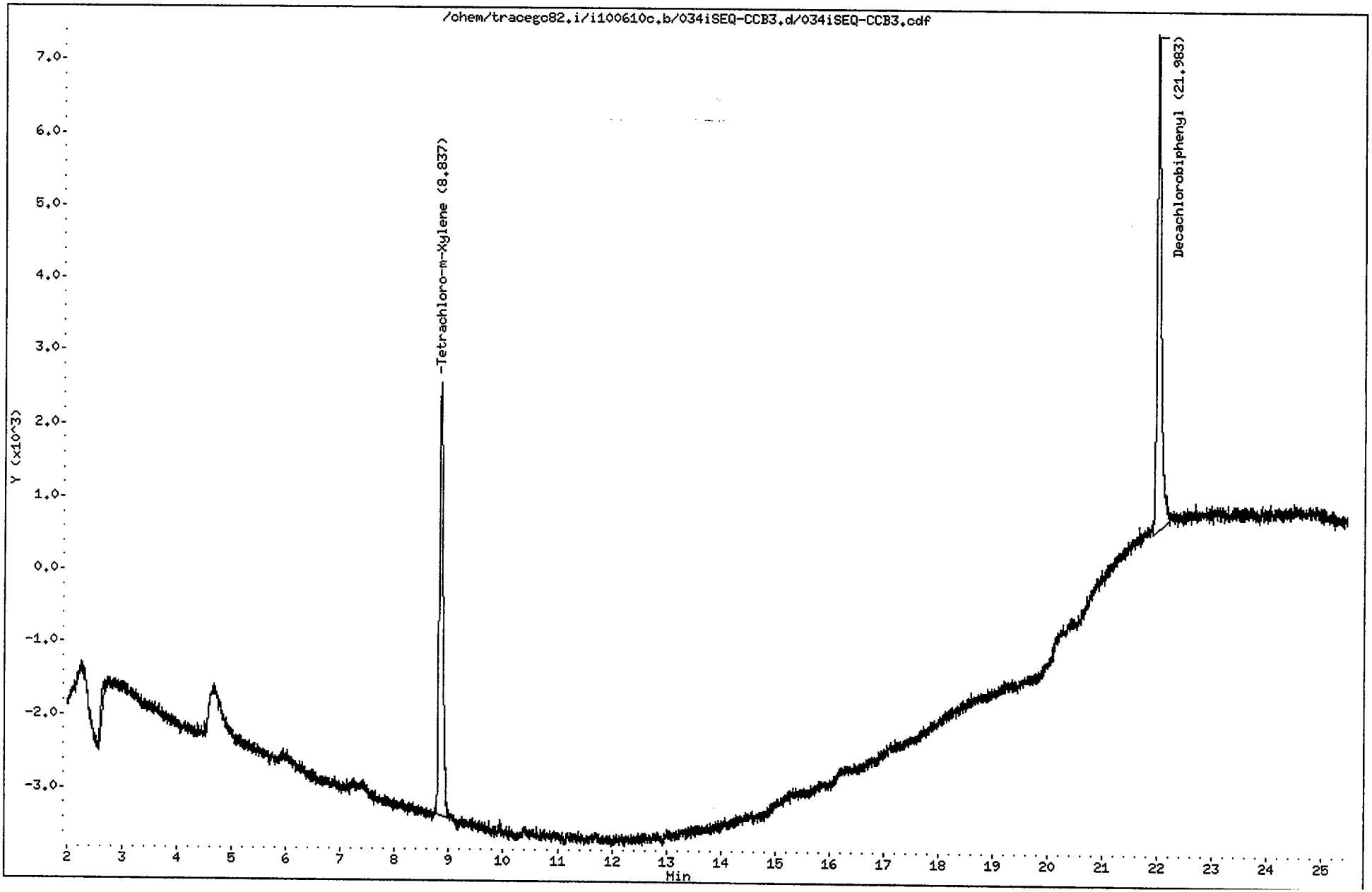
GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc82.i/i100610c.b/034iSEQ-CCB3.d
Date : 11-JUN-2010 08:31
Client ID: PIBLKIGIN TAJ 6/18/10
Sample Info: SEQ-CCB3
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB3 Client Smp Id : PIBLKIGIH
Sample Type : INSTBLANK Sublist : all
Inj Date : 11-JUN-2010 08:31 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610c.b/8081A_clpestv6.m
Misc. Info : PIBLKIGIH

TAJ 6/18/10

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.26			1000						
1.39			10281						
1.45			38048						
2.67			1218						
8.84	8.77	8.91	28957	2945399	Tetrachloro-m-Xylene	0.009831	0.049157		
21.98	21.90	22.04	34984	2320776	Decachlorobiphenyl	0.015074	0.075371		

6/11/10

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKIH

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB3

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

FORM I PEST

Data File: /chem/tracegc82.i/i100610c_2C.b/034iSEQ-CCB3.d

Date : 11-JUN-2010 08:31

Client ID: PIBLKIH

Instrument: tracegc82.i

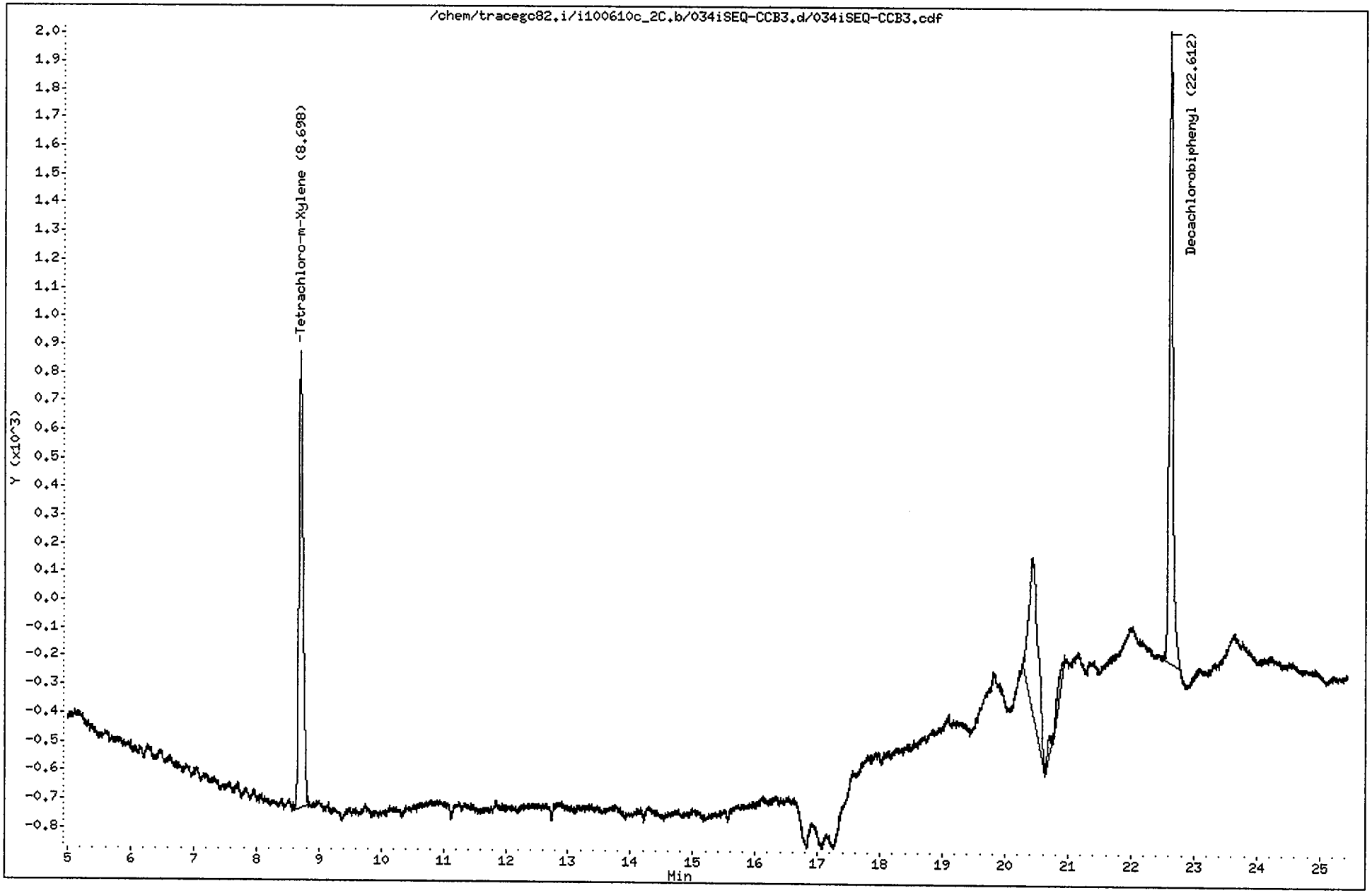
Sample Info: SEQ-CCB3

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB3 Client Smp Id : PIBLKIH
Sample Type : INSTBLANK Sublist : all
Inj Date : 11-JUN-2010 08:31 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/i100610c_2C.b/8081A_clpest2v6.m
Misc. Info : PIBLKIGIH

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.37			1905						
1.50			4485						
2.63			720						
8.70	8.63	8.77	7481	708805	Tetrachloro-m-Xylene	0.010554	0.052771		
20.43			5694						
20.70			286						
20.93			417						
22.61	22.53	22.67	8825	535699	Decachlorobiphenyl	0.016475	0.082374		

b. Laboratory Control Sample Data

Arranged in chronological order, by extraction date.

- Tabulated Results (Form I)

- Chromatograms and data system printout(s)

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBOLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 0051919-BS1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/20/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/01/10

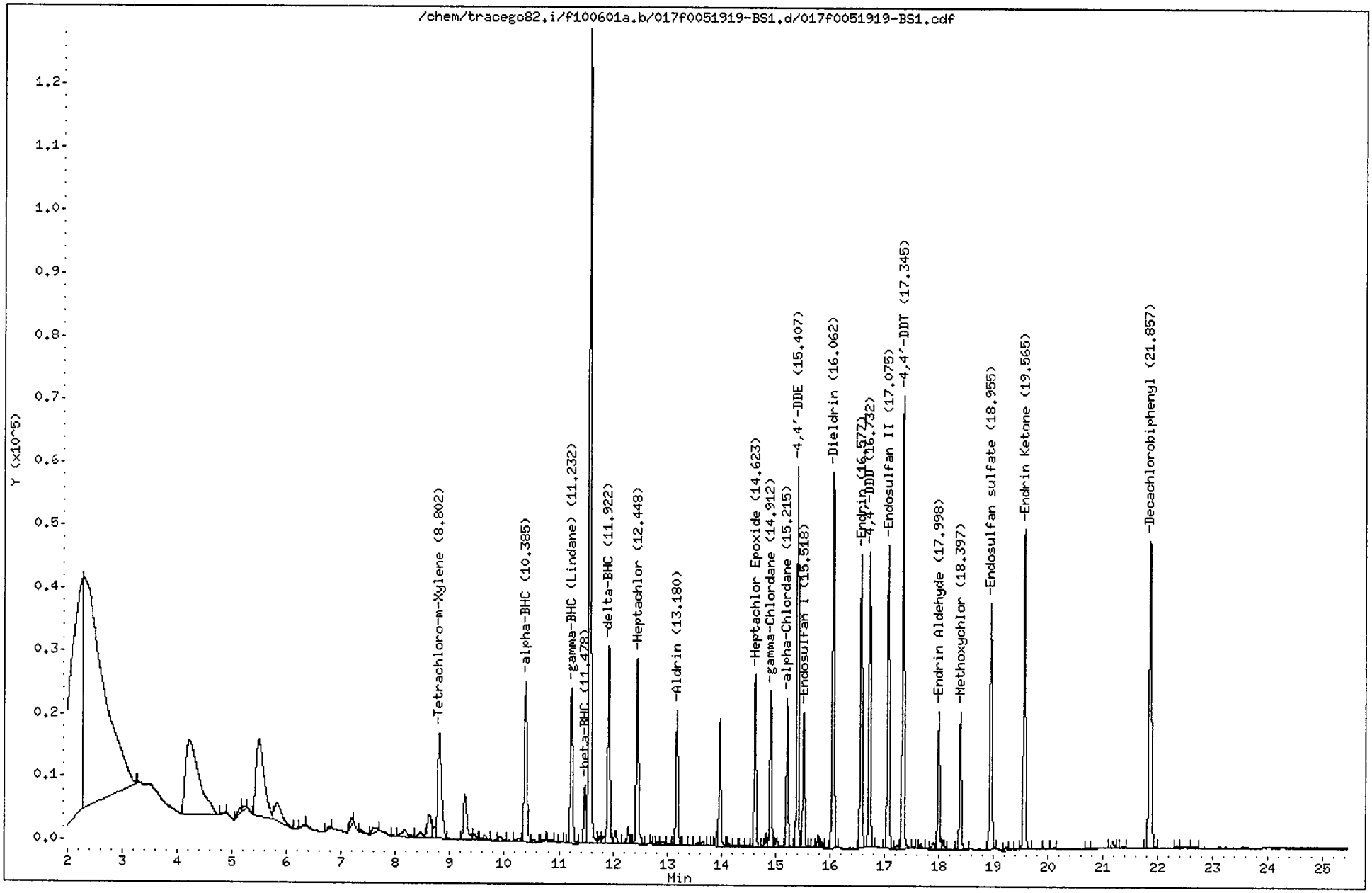
Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	3.8	
319-85-7	beta-BHC	4.1	
319-84-6	alpha-BHC	4.5	
319-86-8	delta-BHC	4.8	
58-89-9	gamma-BHC (Lindane)	4.2	
72-54-8	4,4'-DDD	12	
72-55-9	4,4'-DDE	11	
50-29-3	4,4'-DDT	15	
60-57-1	Dieldrin	12	B
959-98-8	Endosulfan I	4.3	
33213-65-9	Endosulfan II	11	
1031-07-8	Endosulfan sulfate	10	
72-20-8	Endrin	11	
7421-93-4	Endrin Aldehyde	6.7	
76-44-8	Heptachlor	4.9	
1024-57-3	Heptachlor Epoxide	5.0	
72-43-5	Methoxychlor	12	J
8001-35-2	Toxaphene	83	U
53494-70-5	Endrin Ketone	12	
5103-74-2	gamma-Chlordane	4.5	
5103-71-9	alpha-Chlordane	5.0	

Data File: /chem/tracegc82.i/f100601a.b/017f0051919-BS1.d
Date : 01-JUN-2010 23:34
Client ID: PBOLCS
Sample Info: 0051919-BS1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : 0051919-BS1 Client Smp Id : PBOLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 01-JUN-2010 23:34 Inst ID : TRACEGC82
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a.b/8081A_clpestv6.m
Misc. Info : PBOLCS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.37			629								
1.47			24519								
2.26			605765								
2.30			909748								
3.27			378								
4.21			204725								
4.84			808								
5.17			4688								
5.23			2986								
5.49			124818								
5.82			27154								
6.32			597								
6.79			1237								
7.18			4194								
7.36			1838								
7.61			5962								
7.95			306								
8.16			8366								
8.45			4657								
8.61			19782								
8.72			5260								
8.80	8.73	8.87	83457	1587700	Tetrachloro-m-Xylene	0.052565	8.760789		87.6	70 - 125	
9.27			31660								
9.45			3374								
9.63			3133								
9.91			2777								
10.27			2318								
10.38	10.32	10.46	82929	3028788	alpha-BHC	0.027380	4.563377	1.700000	91.3	60 - 125	
10.54			1960								
10.72			903								
10.83			533								
11.06			296								
11.23	11.16	11.30	71584	2817265	gamma-BHC (Lindane)	0.025409	4.234840	1.700000	84.7	60 - 125	
11.48	11.41	11.55	25198	1035150	beta-BHC	0.024342	4.057061	0.851000	81.1	60 - 125	
11.57			368402								
11.75			3985								
11.83			3071								

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CompuChem

Lab Smp Id : 0051919-BS1 Client Smp Id : PBOLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 01-JUN-2010 23:34 Inst ID :
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a.b/8081A_clpestv6.m
Misc. Info : PBOLCS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.92	11.85 11.99	89416	2721052	delta-BHC	0.032860	5.476741	1.700000	109.5	55 - 130	
12.04		6599								
12.28		7594								
12.45	12.38 12.52	81362	2589888	Heptachlor	0.031415	5.235877	1.700000	104.7	50 - 140	
12.71		600								
12.83		974								
12.93		1840								
13.04		659								
13.18	13.11 13.25	54535	2391920	Aldrin	0.022800	3.799946	1.700000	76.0	45 - 140	
13.32		419								
13.57		1861								
13.67		2388								
13.76		535								
13.85		299								
13.91		4617								
13.97		51567								
14.10		453								
14.14		1202								
14.26		562								
14.39		726								
14.49		796								
14.62	14.56 14.70	68077	2235460	Heptachlor Epoxide	0.030453	5.075540	1.700000	101.5	65 - 130	
14.75		674								
14.82		4887								
14.91	14.84 14.98	60184	2245768	gamma-Chlordane	0.026798	4.466402	1.700000	89.3	65 - 125	
15.03		4774								
15.22	15.15 15.29	57221	1924148	alpha-Chlordane	0.029738	4.956307	1.700000	99.1	65 - 120	
15.41	15.34 15.48	141063	2012896	4,4'-DDE	0.070079	11.67985	3.300000	93.4	70 - 125	
15.52	15.45 15.59	53311	2067970	Endosulfan I	0.025779	4.296484	1.700000	85.9	15 - 135	
15.63		371								
15.71		426								
15.79		4849								
15.86		2197								
15.94		463								
16.06	15.99 16.13	148509	2037205	Dieldrin	0.072898	12.14973	3.300000	97.2	65 - 125	
16.58	16.51 16.65	114669	1695798	Endrin	0.067620	11.26992	3.300000	90.2	60 - 135	
16.73	16.66 16.80	108142	1534440	4,4'-DDD	0.070477	11.74609	3.300000	94.0	30 - 135	

CompuChem

Lab Smp Id : 0051919-BS1 Client Smp Id : PBOLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 01-JUN-2010 23:34 Inst ID :
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a.b/8081A_clpestv6.m
Misc. Info : PBOLCS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
17.08	17.01 17.15	120210	1759840	Endosulfan II	0.068307	11.38446	3.300000	91.1	35 - 140	
17.23		1926								
17.34	17.27 17.41	173704	1722489	4,4'-DDT	0.100844	16.80737	3.300000	134.5	45 - 140	
17.55		733								
17.68		1506								
17.91		3300								
18.00	17.93 18.07	54750	1371845	Endrin Aldehyde	0.039909	6.651505	3.300000	53.2	35 - 145	
18.09		3820								
18.40	18.33 18.47	53005	731447	Methoxychlor	0.072466	12.07766	17.00000	96.6	55 - 145	J
18.96	18.89 19.03	99924	1574194	Endosulfan sulfate	0.063476	10.57928	3.300000	84.6	60 - 135	
19.23		1650								
19.41		419								
19.56	19.49 19.63	131950	1849761	Endrin Ketone	0.071334	11.88892	3.300000	95.1	65 - 135	
19.93		649								
20.11		471								
20.72		557								
21.18		3468								
21.37		1027								
21.86	21.79 21.93	156512	1622138	Decachlorobiphenyl	0.096484	16.08073		80.4	55 - 130	
22.35		1014								
22.66		1098								

Data File: /chem/tracegc82.i/f100601a_2C.b/017f0051919-BS1.d

Date : 01-JUN-2010 23:34

Client ID: PBOLCS

Instrument: tracegc82.i

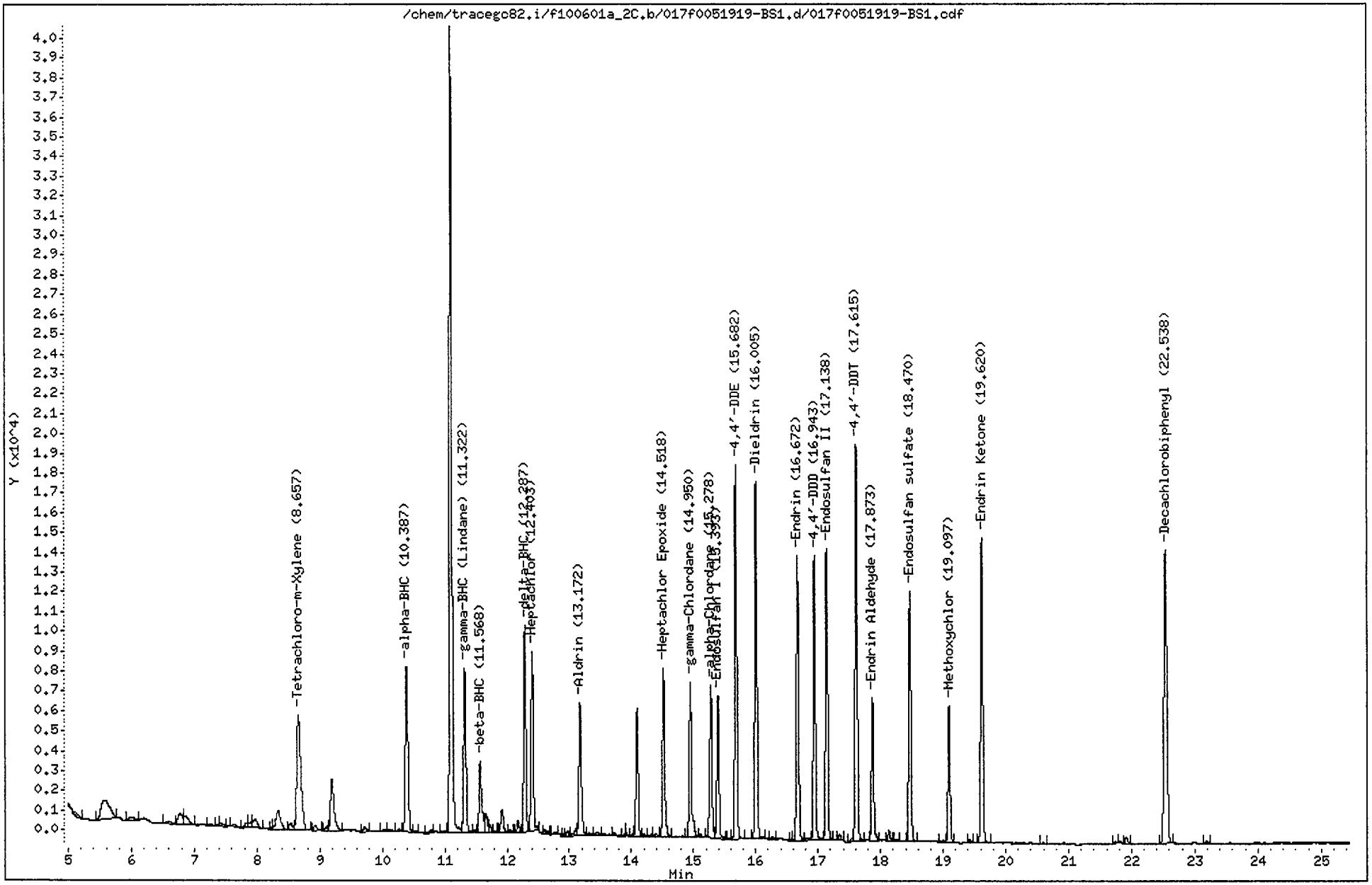
Sample Info: 0051919-BS1

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0051919-BS1 Client Smp Id : PBOLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 01-JUN-2010 23:34 Inst ID : TRACEGC82
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a_2C.b/8081A_clpest2v6.m
Misc. Info : PBOLCS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.35			369								
1.54			21378								
2.07			706663								
3.13			24699								
3.52			77512								
4.43			373								
4.71			48164								
5.57			8960								
6.00			978								
6.57			813								
6.77			2697								
6.85			2610								
7.26			463								
7.38			225								
7.42			748								
7.63			619								
7.84			804								
7.90			884								
7.97			2400								
8.25			263								
8.34			5366								
8.54			1364								
8.66	8.59	8.73	26614	548876	Tetrachloro-m-Xylene	0.048488	8.081364		80.8	70 - 125	
8.92			914								
9.11			675								
9.19			10506								
9.72			1032								
10.02			230								
10.13			276								
10.27			337								
10.39	10.32	10.46	24861	916452	alpha-BHC	0.027127	4.521238	1.700000	90.4	60 - 125	
10.52			208								
10.78			487								
10.98			279								
11.10			106188								
11.32	11.25	11.39	21986	866882	gamma-BHC (Lindane)	0.025362	4.227024	1.700000	84.5	60 - 125	
11.47			349								

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CompuChem

Lab Smp Id : 0051919-BS1 Client Smp Id : PBOLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 01-JUN-2010 23:34 Inst ID :
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a_2C.b/8081A_clpest2v6.m
Misc. Info : PBOLCS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.57	11.50 11.64	10937	347428	beta-BHC	0.031477	5.246178	0.851000	104.9	60 - 125	
11.66		2654								
11.72		932								
11.80		262								
11.85		281								
11.92		3790								
12.04		376								
12.17		1557								
12.29	12.22 12.36	24035	827595	delta-BHC	0.029042	4.840331	1.700000	96.8	55 - 130	
12.40	12.33 12.47	22705	778205	Heptachlor	0.029176	4.862685	1.700000	97.3	50 - 140	
12.61		719								
12.77		162								
12.91		154								
12.97		676								
13.10		1121								
13.17	13.10 13.24	18131	726628	Aldrin	0.024951	4.158481	1.700000	83.2	45 - 140	
13.31		452								
13.45		635								
13.72		475								
13.91		346								
14.03		238								
14.09		15434								
14.20		417								
14.31		349								
14.40		492								
14.52	14.45 14.59	20647	683115	Heptachlor Epoxide	0.030223	5.037219	1.700000	100.7	65 - 130	
14.95	14.88 15.02	20194	690205	gamma-Chlordane	0.029258	4.876329	1.700000	97.5	65 - 125	
15.11		370								
15.28	15.21 15.35	19495	595455	alpha-Chlordane	0.032738	5.456332	1.700000	109.1	65 - 120	
15.39	15.33 15.47	17438	638725	Endosulfan I	0.027300	4.549950	1.700000	91.0	15 - 135	
15.60		180								
15.68	15.61 15.75	41896	617325	4,4'-DDE	0.067865	11.31090	3.300000	90.5	70 - 125	
15.87		150								
16.00	15.94 16.08	41833	598394	Dieldrin	0.069907	11.65119	3.300000	93.2	65 - 125	
16.26		281								
16.57		212								
16.67	16.60 16.74	35122	524785	Endrin	0.066926	11.15441	3.300000	89.2	60 - 135	

CompuChem

Lab Smp Id : 0051919-BS1 Client Smp Id : PBOLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 01-JUN-2010 23:34 Inst ID :
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a_2C.b/8081A_clpest2v6.m
Misc. Info : PBOLCS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
16.81		453								
16.94	16.87 17.01	32092	454222	4,4'-DDD	0.070653	11.77543	3.300000	94.2	30 - 135	
17.14	17.07 17.21	35004	526756	Endosulfan II	0.066452	11.07533	3.300000	88.6	35 - 140	
17.34		559								
17.55		411								
17.62	17.55 17.69	46506	503765	4,4'-DDT	0.092317	15.38614	3.300000	123.1	45 - 140	
17.87	17.81 17.95	17899	425754	Endrin Aldehyde	0.042041	7.006789	3.300000	56.1	35 - 145	
18.13		1200								
18.26		178								
18.47	18.40 18.54	30221	479624	Endosulfan sulfate	0.063008	10.50129	3.300000	84.0	60 - 135	
19.00		295								
19.10	19.03 19.17	15617	208391	Methoxychlor	0.074941	12.49014	17.00000	99.9	55 - 145	J
19.42		356								
19.62	19.55 19.69	38014	535815	Endrin Ketone	0.070946	11.82435	3.300000	94.6	65 - 135	
20.60		144								
21.75		196								
21.82		190								
21.91		899								
22.54	22.47 22.61	47149	497254	Decachlorobiphenyl	0.094817	15.80277		79.0	55 - 130	
23.18		281								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBOLCSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 0051919-BSD1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/20/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/02/10

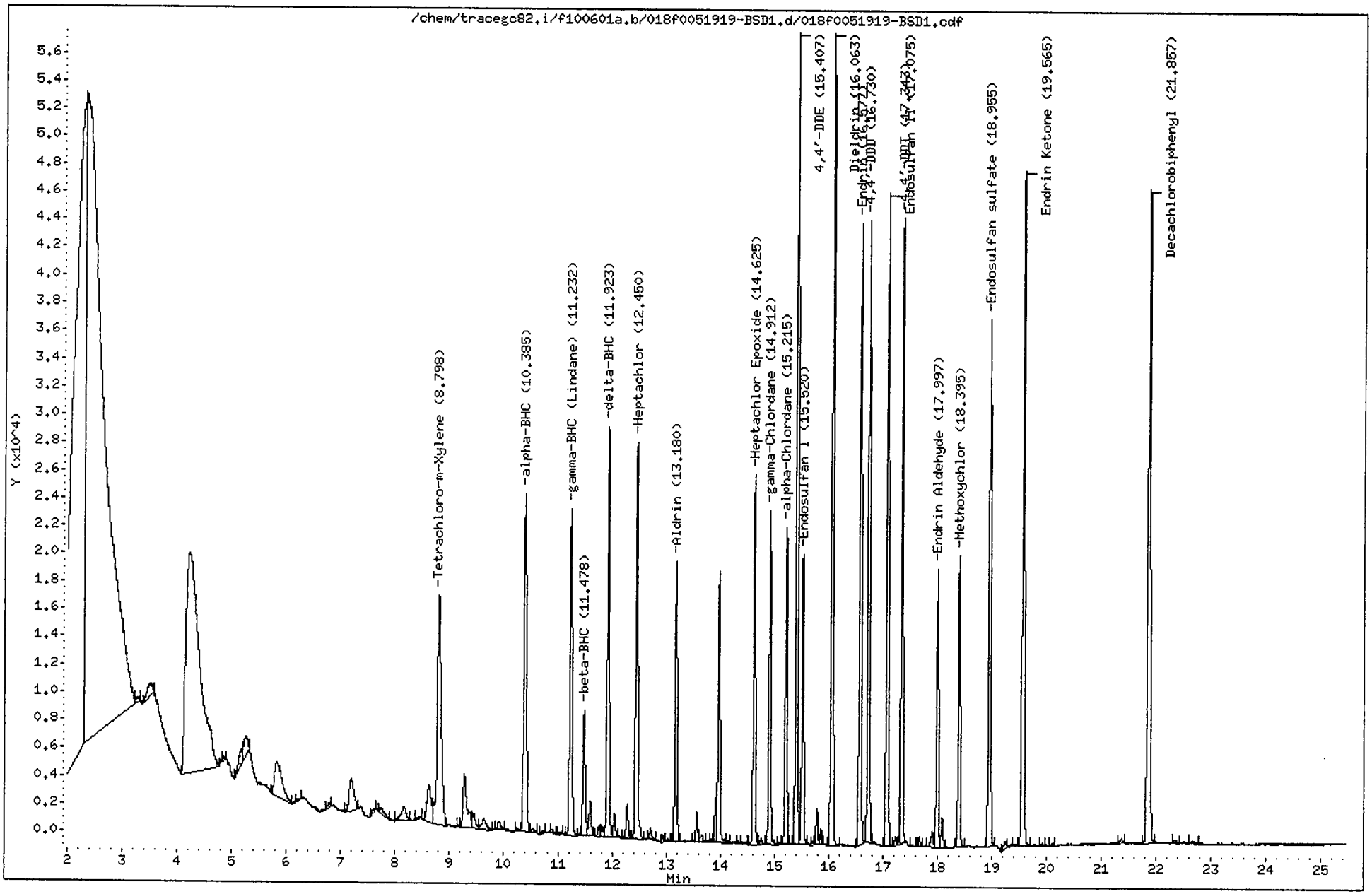
Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	3.6	
319-85-7	beta-BHC	4.1	
319-84-6	alpha-BHC	4.4	
319-86-8	delta-BHC	4.6	
58-89-9	gamma-BHC (Lindane)	3.9	
72-54-8	4,4'-DDD	11	
72-55-9	4,4'-DDE	11	
50-29-3	4,4'-DDT	10	
60-57-1	Dieldrin	11	
959-98-8	Endosulfan I	4.1	
33213-65-9	Endosulfan II	11	
1031-07-8	Endosulfan sulfate	10	
72-20-8	Endrin	11	
7421-93-4	Endrin Aldehyde	6.0	
76-44-8	Heptachlor	4.7	
1024-57-3	Heptachlor Epoxide	4.6	
72-43-5	Methoxychlor	12	J
8001-35-2	Toxaphene	83	U
53494-70-5	Endrin Ketone	11	
5103-74-2	gamma-Chlordane	4.3	B
5103-71-9	alpha-Chlordane	4.8	

Data File: /chem/tracegc82.i/f100601a.b/018f0051919-BSD1.d
Date : 02-JUN-2010 00:04
Client ID: PBOLCSD
Sample Info: 0051919-BSD1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : 0051919-BSD1 Client Smp Id : PBOLCSD
Sample Type : LCSD Sublist : DODPEST
Inj Date : 02-JUN-2010 00:04 Inst ID : TRACEGC82
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a.b/8081A_clpestv6.m
Misc. Info : PBOLCSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.48			4134								
2.31			730893								
2.32			1025381								
3.26			1781								
3.51			6324								
4.21			277070								
4.84			564								
5.18			4634								
5.26			7142								
5.82			23797								
6.24			540								
6.79			1162								
7.19			14734								
7.62			753								
7.74			2462								
8.16			6513								
8.43			664								
8.62			14030								
8.80	8.73	8.87	83992	1587700	Tetrachloro-m-Xylene	0.052902	8.816950		88.2	70 - 125	
9.17			424								
9.27			19856								
9.45			4400								
9.64			4434								
9.91			2562								
10.27			523								
10.38	10.32	10.46	80144	3028788	alpha-BHC	0.026461	4.410126	1.700000	88.2	60 - 125	
10.54			1010								
10.73			907								
10.88			920								
11.03			345								
11.23	11.16	11.30	69773	2817265	gamma-BHC (Lindane)	0.024766	4.127703	1.700000	82.6	60 - 125	
11.48	11.41	11.55	25344	1035150	beta-BHC	0.024483	4.080568	0.851000	81.6	60 - 125	
11.60			7542								
11.75			1955								
11.82			2161								
11.92	11.85	11.99	79396	2721052	delta-BHC	0.029178	4.863069	1.700000	97.3	55 - 130	
12.04			4461								

CompuChem

Lab Smp Id : 0051919-BSD1 Client Smp Id : PBOLCSD
Sample Type : LCSD Sublist : DODPEST
Inj Date : 02-JUN-2010 00:04 Inst ID :
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a.b/8081A_clpestv6.m
Misc. Info : PBOLCSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.28		6947								
12.45	12.38 12.52	78578	2589888	Heptachlor	0.030340	5.056719	1.700000	101.1	50 - 140	
12.71		2345								
12.94		1197								
13.03		352								
13.18	13.11 13.25	51184	2391920	Aldrin	0.021398	3.566382	1.700000	71.3	45 - 140	
13.57		5586								
13.66		1755								
13.85		423								
13.91		6638								
13.97		49625								
14.14		549								
14.33		320								
14.40		478								
14.62	14.56 14.70	66286	2235460	Heptachlor Epoxide	0.029652	4.941936	1.700000	98.8	65 - 130	
14.75		1114								
14.91	14.84 14.98	58854	2245768	gamma-Chlordane	0.026206	4.367698	1.700000	87.4	65 - 125	
15.09		405								
15.22	15.15 15.29	55172	1924148	alpha-Chlordane	0.028673	4.778913	1.700000	95.6	65 - 120	
15.41	15.34 15.48	135808	2012896	4,4'-DDE	0.067469	11.24483	3.300000	90.0	70 - 125	
15.52	15.45 15.59	51139	2067970	Endosulfan I	0.024729	4.121433	1.700000	82.4	15 - 135	
15.71		498								
15.78		6112								
15.86		2467								
16.06	15.99 16.13	146171	2037205	Dieldrin	0.071751	11.95846	3.300000	95.7	65 - 125	
16.58	16.51 16.65	110746	1695798	Endrin	0.065306	10.88436	3.300000	87.1	60 - 135	
16.73	16.66 16.80	104410	1534440	4,4'-DDD	0.068044	11.34073	3.300000	90.7	30 - 135	
17.08	17.01 17.15	116471	1759840	Endosulfan II	0.066182	11.03036	3.300000	88.2	35 - 140	
17.23		1600								
17.34	17.27 17.41	105434	1722489	4,4'-DDT	0.061210	10.20171	3.300000	81.6	45 - 140	
17.54		376								
17.67		1786								
17.78		303								
17.91		3859								
18.00	17.93 18.07	49392	1371845	Endrin Aldehyde	0.036004	6.000678	3.300000	48.0	35 - 145	
18.09		5238								
18.40	18.33 18.47	51020	731447	Methoxychlor	0.069752	11.62536	17.00000	93.0	55 - 145	J

CompuChem

Lab Smp Id : 0051919-BSD1 Client Smp Id : PBOLCSD
Sample Type : LCSD Sublist : DODPEST
Inj Date : 02-JUN-2010 00:04 Inst ID :
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a.b/8081A_clpestv6.m
Misc. Info : PBOLCSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

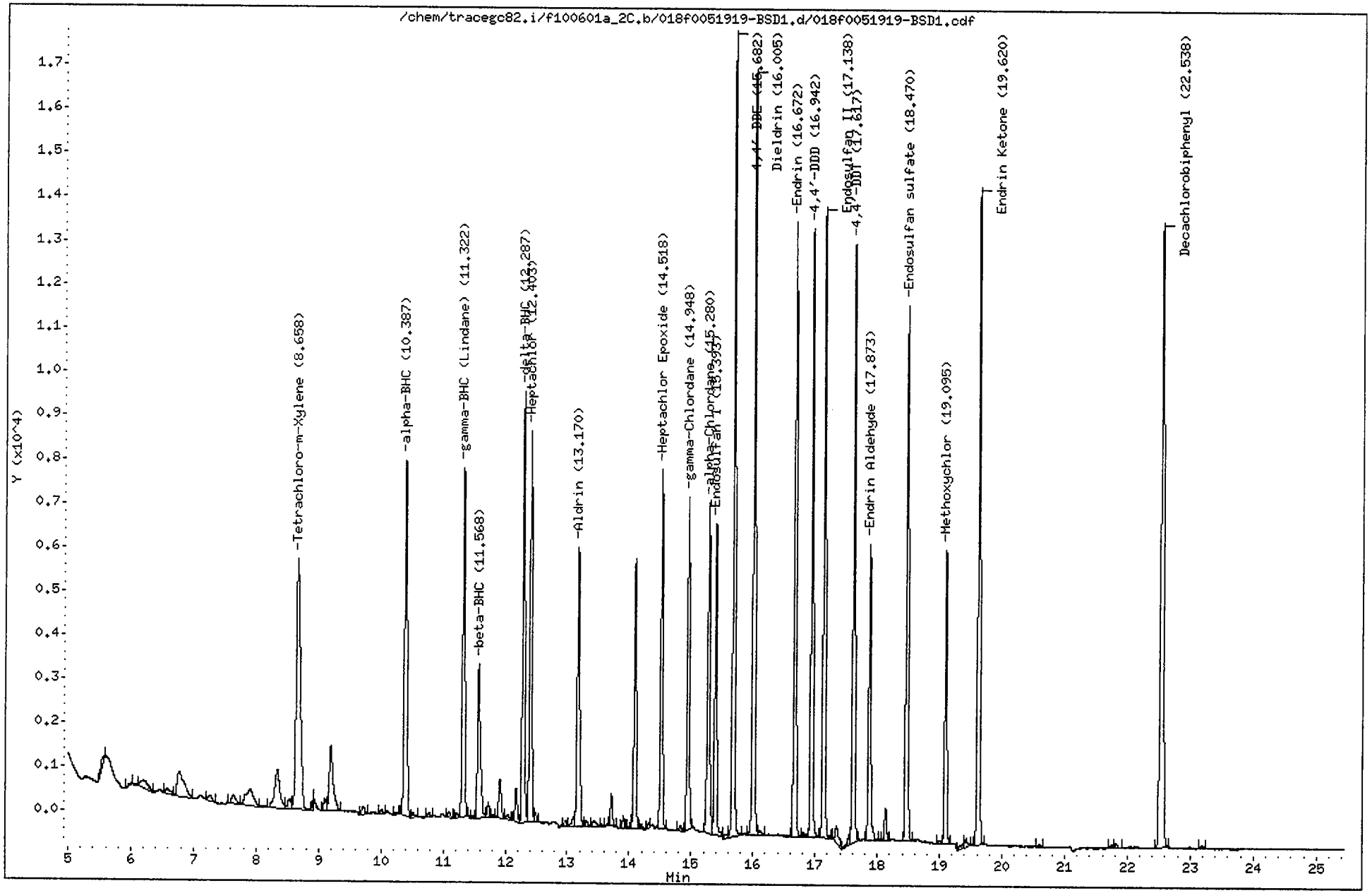
DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
18.96	18.89 19.03	97091	1574194	Endosulfan sulfate	0.061676	10.27934	3.300000	82.2	60 - 135	
19.23		1686								
19.41		309								
19.56	19.49 19.63	127633	1849761	Endrin Ketone	0.068999	11.49986	3.300000	92.0	65 - 135	
19.93		451								
20.11		750								
21.37		948								
21.86	21.79 21.93	151533	1622138	Decachlorobiphenyl	0.093416	15.56926		77.8	55 - 130	
22.35		882								
22.66		724								

Data File: /chem/tracegc82.i/f100601a_2C.b/018f0051919-BSD1.d
Date : 02-JUN-2010 00:04
Client ID: PBOLCSD
Sample Info: 0051919-BSD1
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : 0051919-BSD1 Client Smp Id : PBOLCSD
Sample Type : LCSD Sublist : DODPEST
Inj Date : 02-JUN-2010 00:04 Inst ID : TRACEGC82
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a_2C.b/8081A_clpest2v6.m
Misc. Info : PBOLCSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.35		300								
1.51		23578								
2.08		315659								
2.12		401734								
3.13		802								
3.52		72837								
4.37		319								
4.85		1386								
5.58		850								
5.99		179								
6.21		1348								
6.57		624								
6.77		4249								
7.26		557								
7.63		1010								
7.91		3208								
8.34		5224								
8.53		866								
8.66	8.59 8.73	26275	548876	Tetrachloro-m-Xylene	0.047869	7.978123		79.8	70 - 125	
8.93		483								
9.10		771								
9.19		6240								
9.71		677								
10.02		206								
10.24		142								
10.39	10.32 10.46	23957	916452	alpha-BHC	0.026141	4.356836	1.700000	87.1	60 - 125	
10.52		280								
10.78		246								
11.10		329								
11.22		256								
11.32	11.25 11.39	20359	866882	gamma-BHC (Lindane)	0.023485	3.914218	1.700000	78.3	60 - 125	
11.48		128								
11.57	11.50 11.64	10939	347428	beta-BHC	0.031486	5.247618	0.851000	105.0	60 - 125	
11.73		792								
11.91		2677								
12.04		372								
12.18		1970								

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CompuChem

Lab Smp Id : 0051919-BSD1 Client Smp Id : PBOLCSD
Sample Type : LCSD Sublist : DODPEST
Inj Date : 02-JUN-2010 00:04 Inst ID :
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a_2C.b/8081A_clpest2v6.m
Misc. Info : PBOLCSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.29	12.22 12.36	22911	827595	delta-BHC	0.027684	4.613972	1.700000	92.3	55 - 130	
12.40	12.33 12.47	21789	778205	Heptachlor	0.027998	4.666293	1.700000	93.3	50 - 140	
12.48		468								
12.97		328								
13.10		708								
13.17	13.10 13.24	17795	726628	Aldrin	0.024488	4.081413	1.700000	81.6	45 - 140	
13.31		413								
13.44		602								
13.56		130								
13.71		1706								
13.91		619								
14.03		290								
14.09		14718								
14.20		251								
14.32		220								
14.52	14.45 14.59	18861	683115	Heptachlor Epoxide	0.027610	4.601714	1.700000	92.0	65 - 130	
14.82		322								
14.95	14.88 15.02	17645	690205	gamma-Chlordane	0.025565	4.260811	1.700000	85.2	65 - 125	
15.28	15.21 15.35	19546	595455	alpha-Chlordane	0.032824	5.470607	1.700000	109.4	65 - 120	
15.39	15.33 15.47	17215	638725	Endosulfan I	0.026951	4.491761	1.700000	89.8	15 - 135	
15.58		288								
15.68	15.61 15.75	40390	617325	4,4'-DDE	0.065426	10.90430	3.300000	87.2	70 - 125	
16.00	15.94 16.08	40566	598394	Dieldrin	0.067791	11.29858	3.300000	90.4	65 - 125	
16.12		270								
16.67	16.60 16.74	33464	524785	Endrin	0.063765	10.62753	3.300000	85.0	60 - 135	
16.81		270								
16.94	16.87 17.01	30763	454222	4,4'-DDD	0.067725	11.28742	3.300000	90.3	30 - 135	
17.14	17.07 17.21	34138	526756	Endosulfan II	0.064808	10.80133	3.300000	86.4	35 - 140	
17.34		1552								
17.55		789								
17.62	17.55 17.69	30815	503765	4,4'-DDT	0.061169	10.19490	3.300000	81.6	45 - 140	
17.87	17.81 17.95	16658	425754	Endrin Aldehyde	0.039126	6.520984	3.300000	52.2	35 - 145	
18.13		1748								
18.47	18.40 18.54	29182	479624	Endosulfan sulfate	0.060841	10.14024	3.300000	81.1	60 - 135	
19.00		182								
19.10	19.03 19.17	15301	208391	Methoxychlor	0.073420	12.23661	17.00000	97.9	55 - 145	J
19.39		445								

CompuChem

Lab Smp Id : 0051919-BSD1 Client Smp Id : PBOLCSD
Sample Type : LCSD Sublist : DODPEST
Inj Date : 02-JUN-2010 00:04 Inst ID :
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a_2C.b/8081A_clpest2v6.m
Misc. Info : PBOLCSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
19.43		489								
19.62	19.55 19.69	36846	535815	Endrin Ketone	0.068766	11.46105	3.300000	91.7	65 - 135	
20.60		175								
21.75		203								
21.82		283								
22.54	22.47 22.61	45650	497254	Decachlorobiphenyl	0.091804	15.30068		76.5	55 - 130	
23.18		185								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PCFLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 0052408-BS1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/03/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	3.4	
319-85-7	beta-BHC	3.5	
319-84-6	alpha-BHC	3.8	
319-86-8	delta-BHC	4.0	
58-89-9	gamma-BHC (Lindane)	3.5	
72-54-8	4,4'-DDD	11	
72-55-9	4,4'-DDE	9.8	
50-29-3	4,4'-DDT	9.4	
60-57-1	Dieldrin	10	
959-98-8	Endosulfan I	3.8	
33213-65-9	Endosulfan II	10	
1031-07-8	Endosulfan sulfate	9.5	
72-20-8	Endrin	9.6	
7421-93-4	Endrin Aldehyde	6.2	
76-44-8	Heptachlor	4.3	
1024-57-3	Heptachlor Epoxide	4.1	
72-43-5	Methoxychlor	11	J
8001-35-2	Toxaphene	83	U
53494-70-5	Endrin Ketone	11	
5103-74-2	gamma-Chlordane	3.9	
5103-71-9	alpha-Chlordane	4.5	

FORM I PEST

Data File: /chem/tracegc82.i/f100601e.b/069f0052408-BS1.d

Date : 03-JUN-2010 00:49

Client ID: PCFLCS

Sample Info: 0052408-BS1

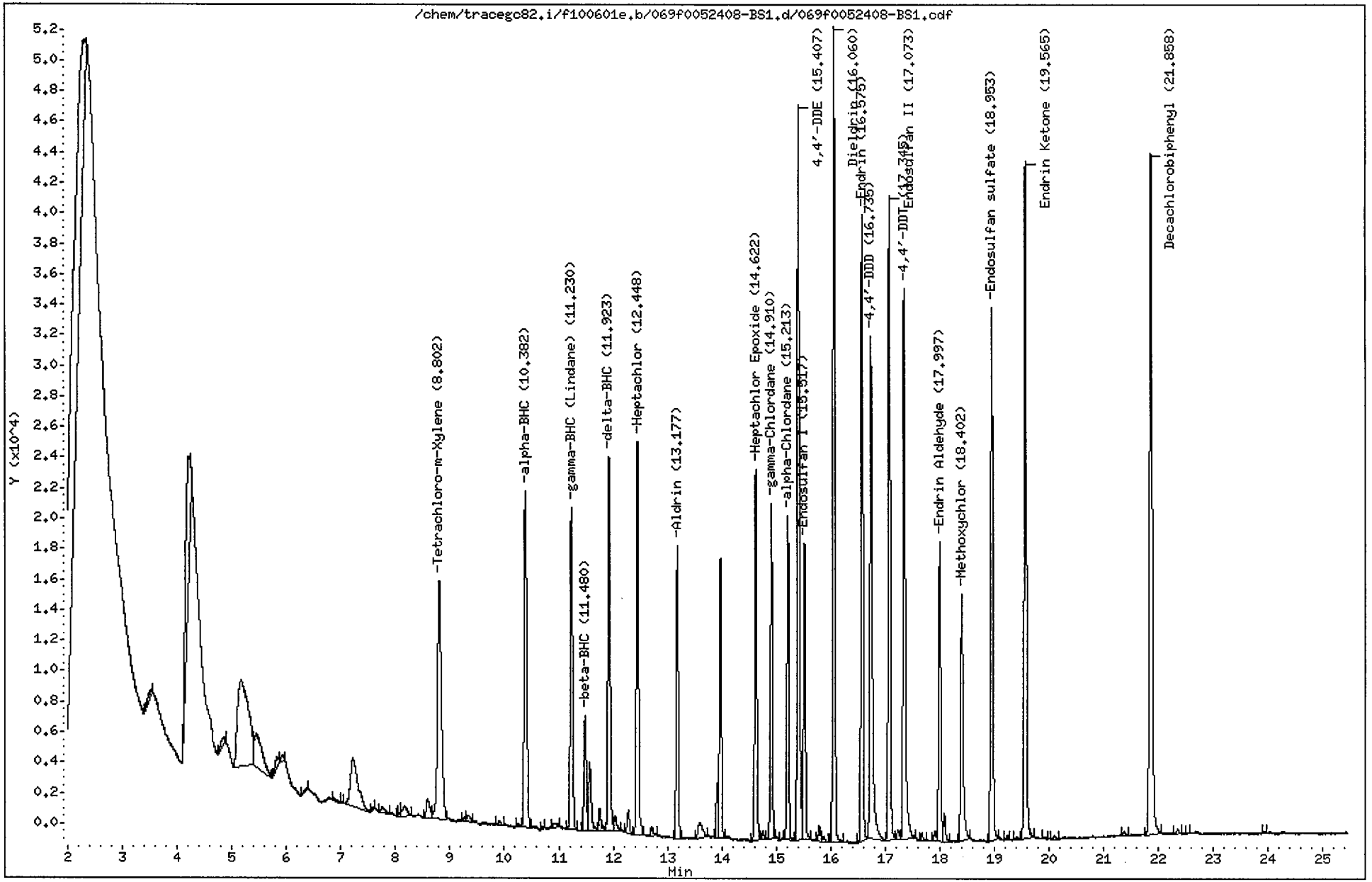
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc82.i

Operator: BWL

Column diameter: 0.32



CompuChem

Lab Smp Id : 0052408-BS1 Client Smp Id : PCFLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 03-JUN-2010 00:49 Inst ID : TRACEGC82
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601e.b/8081A_clpestv6.m
Misc. Info : PCFLCS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.49			9774								
2.30			136441								
3.52			2628								
4.21			54288								
4.85			2606								
5.17			79671								
5.45			22523								
5.83			2958								
5.91			1206								
6.36			557								
6.87			785								
7.22			30749								
7.58			462								
7.75			2287								
8.05			286								
8.10			714								
8.16			3891								
8.59			6086								
8.80	8.73	8.87	78550	1587700	Tetrachloro-m-Xylene	0.049474	8.245683		82.5	70 - 125	
9.27			928								
9.34			1673								
9.91			986								
10.25			489								
10.38	10.32	10.46	72877	3028788	alpha-BHC	0.024061	4.010186	1.700000	80.2	60 - 125	
10.70			515								
10.92			1413								
11.23	11.16	11.30	61582	2817265	gamma-BHC (Lindane)	0.021858	3.643072	1.700000	72.9	60 - 125	
11.48	11.41	11.55	21900	1035150	beta-BHC	0.021155	3.525898	0.851000	70.5	60 - 125	
11.57			15115								
11.75			4380								
11.92	11.85	11.99	68665	2721052	delta-BHC	0.025234	4.205726	1.700000	84.1	55 - 130	
12.04			3064								
12.28			4322								
12.45	12.38	12.52	70775	2589888	Heptachlor	0.027327	4.554574	1.700000	91.1	50 - 140	
12.71			1816								
13.18	13.11	13.25	49161	2391920	Aldrin	0.020553	3.425491	1.700000	68.5	45 - 140	
13.59			5573								

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CompuChem

Lab Smp Id : 0052408-BS1 Client Smp Id : PCFLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 03-JUN-2010 00:49 Inst ID :
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601e.b/8081A_clpestv6.m
Misc. Info : PCFLCS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
13.91		7638								
13.97		46582								
14.62	14.56 14.70	61747	2235460	Heptachlor Epoxide	0.027621	4.603527	1.700000	92.1	65 - 130	
14.75		1072								
14.91	14.84 14.98	52786	2245768	gamma-Chlordane	0.023504	3.917369	1.700000	78.3	65 - 125	
15.11		467								
15.21	15.15 15.29	51393	1924148	alpha-Chlordane	0.026709	4.451582	1.700000	89.0	65 - 120	
15.41	15.34 15.48	124397	2012896	4,4'-DDE	0.061800	10.30000	3.300000	82.4	70 - 125	
15.52	15.45 15.59	50456	2067970	Endosulfan I	0.024399	4.066468	1.700000	81.3	15 - 135	
15.79		2687								
15.87		1084								
16.06	15.99 16.13	133097	2037205	Dieldrin	0.065333	10.88877	3.300000	87.1	65 - 125	
16.58	16.51 16.65	102665	1695798	Endrin	0.060541	10.09014	3.300000	80.7	60 - 135	
16.74	16.66 16.80	102155	1534440	4,4'-DDD	0.066575	11.09580	3.300000	88.8	30 - 135	
17.07	17.01 17.15	109141	1759840	Endosulfan II	0.062017	10.33617	3.300000	82.7	35 - 140	
17.23		1822								
17.34	17.27 17.41	102720	1722489	4,4'-DDT	0.059634	9.939010	3.300000	79.5	45 - 140	
17.67		1234								
17.91		1980								
18.00	17.93 18.07	51823	1371845	Endrin Aldehyde	0.037776	6.296022	3.300000	50.4	35 - 145	
18.08		4943								
18.40	18.33 18.47	49364	731447	Methoxychlor	0.067487	11.24780	17.00000	90.0	55 - 145	J
18.95	18.89 19.03	91877	1574194	Endosulfan sulfate	0.058364	9.727307	3.300000	77.8	60 - 135	
19.24		711								
19.41		684								
19.56	19.49 19.63	122065	1849761	Endrin Ketone	0.065990	10.99827	3.300000	88.0	65 - 135	
19.92		498								
20.11		723								
21.37		1033								
21.86	21.79 21.93	152770	1622138	Decachlorobiphenyl	0.094178	15.69626		78.5	55 - 130	
22.35		955								
22.53		298								
23.92		334								

Data File: /chem/tracegc82.i/f100601e_2C.b/069f0052408-BS1.d

Date : 03-JUN-2010 00:49

Client ID: PCFLCS

Sample Info: 0052408-BS1

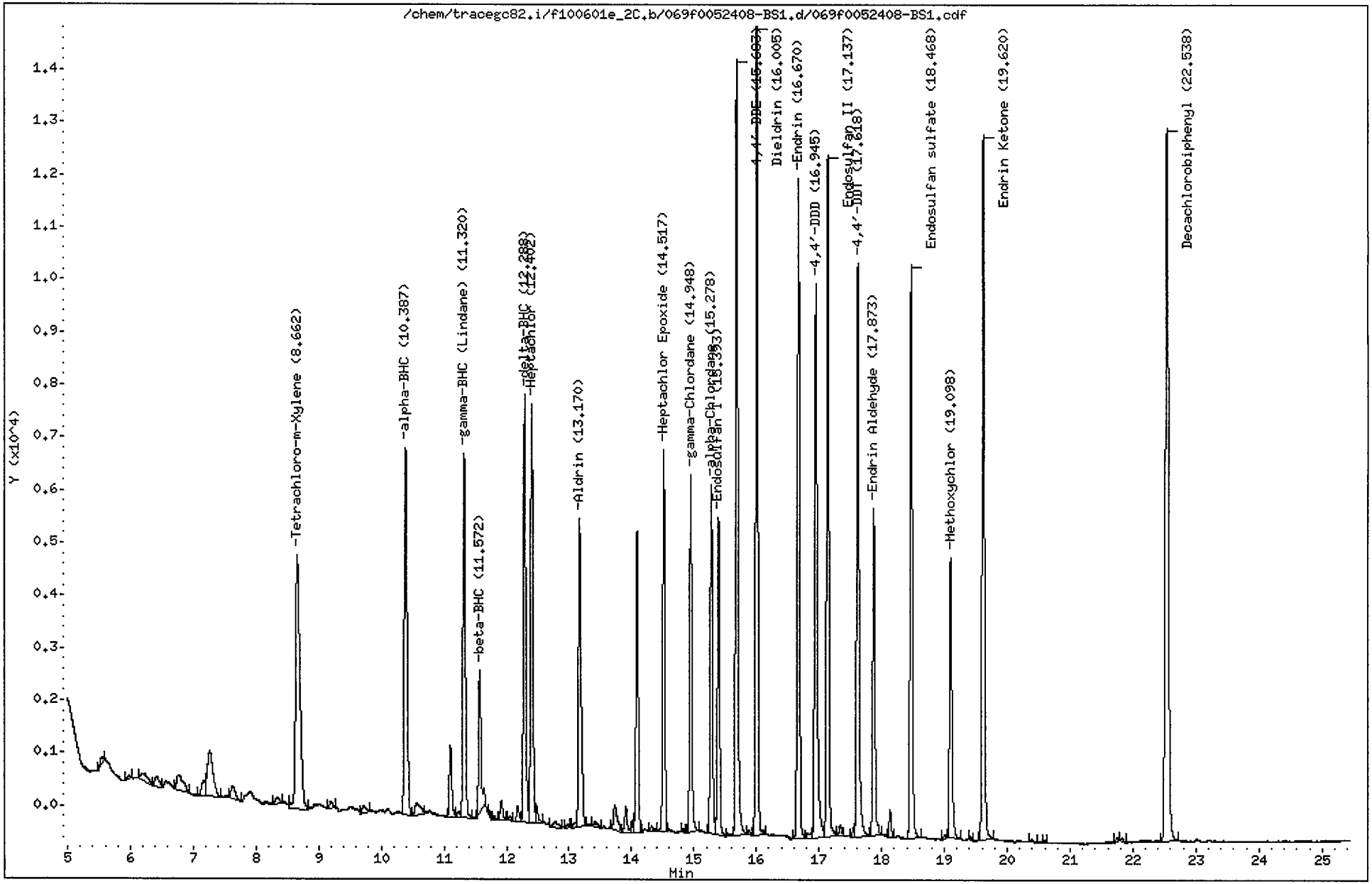
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL

Column diameter: 0.32



CompuChem

Lab Smp Id : 0052408-BS1 Client Smp Id : PCFLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 03-JUN-2010 00:49 Inst ID : TRACEGC82
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601e_2C.b/8081A_clpest2v6.m
Misc. Info : PCFLCS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.36			725								
1.52			10879								
2.10			23581								
3.16			6966								
3.51			89848								
4.28			230								
4.72			742								
4.85			3183								
5.56			497								
5.99			199								
6.20			1049								
6.41			928								
6.77			2158								
7.17			1198								
7.26			5599								
7.63			1104								
8.35			597								
8.66	8.59	8.73	23683	548876	Tetrachloro-m-Xylene	0.043149	7.191424		71.9	70 - 125	M
9.19			462								
9.72			575								
10.39	10.32	10.46	20810	916452	alpha-BHC	0.022707	3.784521	1.700000	75.7	60 - 125	
10.57			1475								
11.10			3708								
11.23			366								
11.32	11.25	11.39	18065	866882	gamma-BHC (Lindane)	0.020838	3.472981	1.700000	69.5	60 - 125	
11.57	11.50	11.64	7509	347428	beta-BHC	0.021613	3.602190	0.851000	72.0	60 - 125	
11.72			166								
11.81			215								
11.92			991								
12.05			227								
12.17			910								
12.29	12.22	12.36	19674	827595	delta-BHC	0.023772	3.962083	1.700000	79.2	55 - 130	
12.40	12.33	12.47	20179	778205	Heptachlor	0.025930	4.321696	1.700000	86.4	50 - 140	
12.48			873								
12.78			608								
12.97			188								
13.10			295								

CompuChem

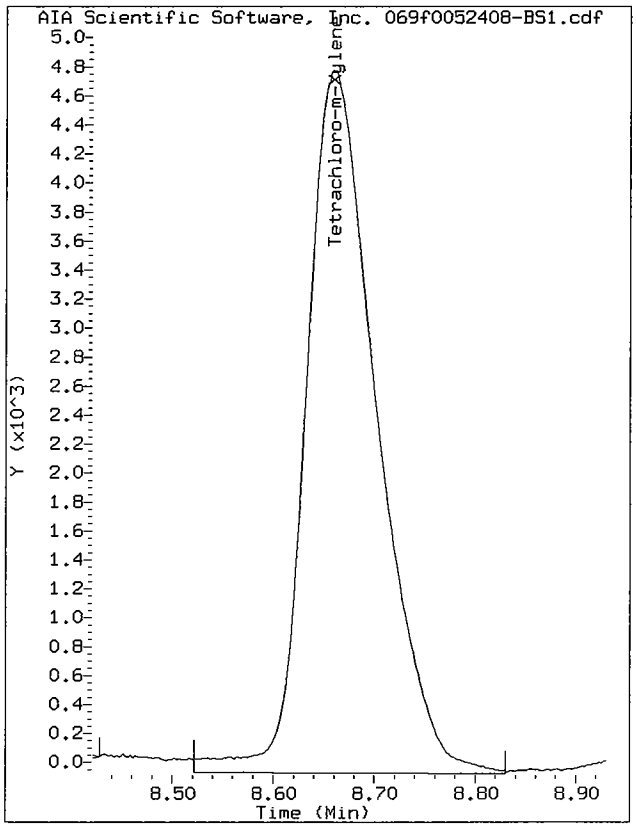
Lab Smp Id : 0052408-BS1 Client Smp Id : PCFLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 03-JUN-2010 00:49 Inst ID :
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601e_2C.b/8081A_clpest2v6.m
Misc. Info : PCFLCS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

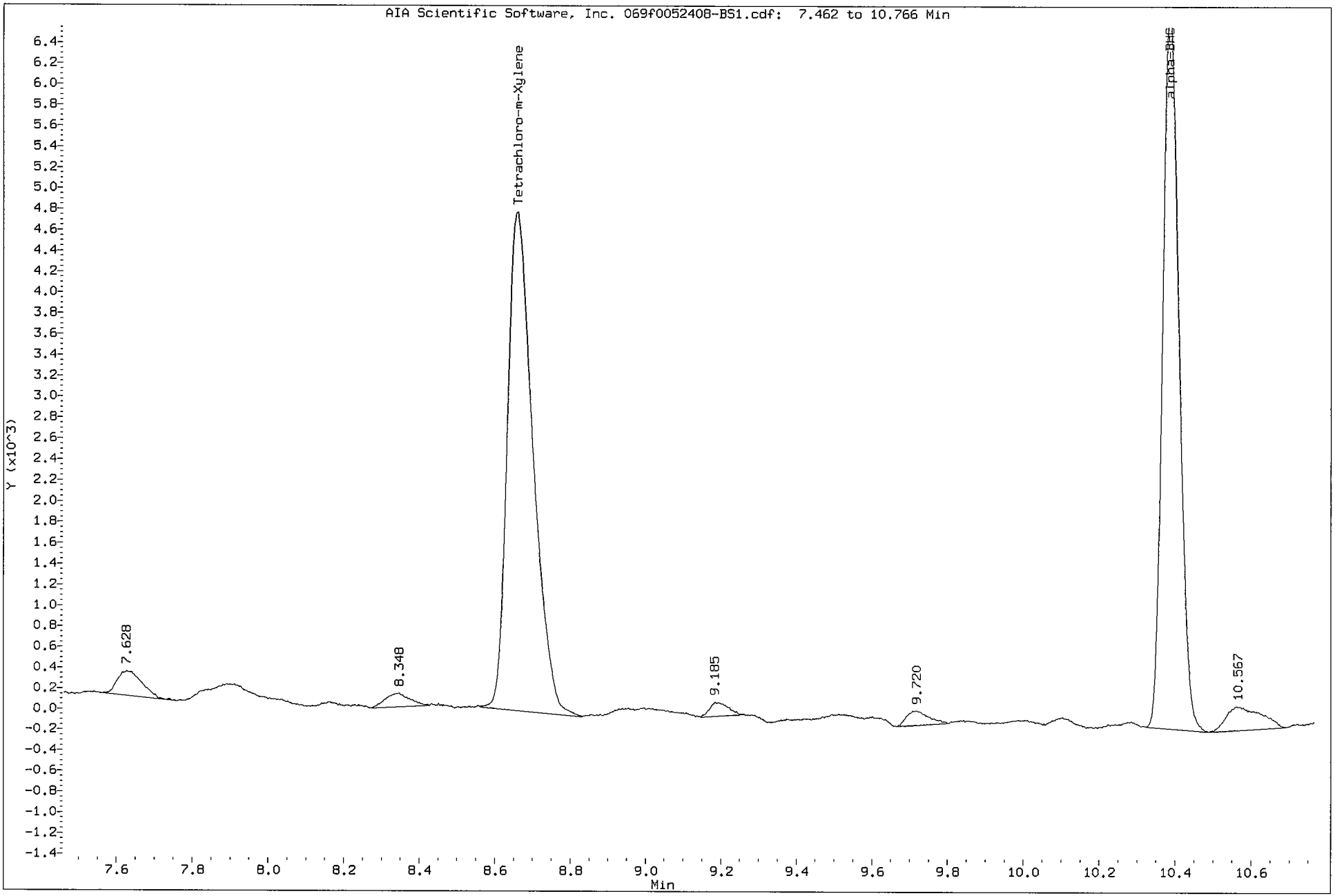
RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
13.17	13.10 13.24	16665	726628	Aldrin	0.022933	3.822224	1.700000	76.4	45 - 140	
13.42		422								
13.73		1974								
13.91		1376								
14.03		558								
14.09		13931								
14.32		364								
14.52	14.45 14.59	16887	683115	Heptachlor Epoxide	0.024719	4.119853	1.700000	82.4	65 - 130	
14.82		159								
14.95	14.88 15.02	16076	690205	gamma-Chlordane	0.023292	3.881938	1.700000	77.6	65 - 125	
15.28	15.21 15.35	16251	595455	alpha-Chlordane	0.027290	4.548343	1.700000	91.0	65 - 120	
15.39	15.33 15.47	14747	638725	Endosulfan I	0.023088	3.848031	1.700000	77.0	15 - 135	
15.68	15.61 15.75	36307	617325	4,4'-DDE	0.058813	9.802238	3.300000	78.4	70 - 125	
15.88		235								
16.00	15.94 16.08	36448	598394	Dieldrin	0.060908	10.15134	3.300000	81.2	65 - 125	
16.67	16.60 16.74	30290	524785	Endrin	0.057719	9.619813	3.300000	77.0	60 - 135	
16.82		429								
16.94	16.87 17.01	29086	454222	4,4'-DDD	0.064032	10.67208	3.300000	85.4	30 - 135	
17.14	17.07 17.21	31887	526756	Endosulfan II	0.060535	10.08911	3.300000	80.7	35 - 140	
17.34		612								
17.55		394								
17.62	17.55 17.69	28303	503765	4,4'-DDT	0.056183	9.363824	3.300000	74.9	45 - 140	
17.87	17.81 17.95	15771	425754	Endrin Aldehyde	0.037043	6.173757	3.300000	49.4	35 - 145	
18.13		1183								
18.47	18.40 18.54	27288	479624	Endosulfan sulfate	0.056893	9.482085	3.300000	75.9	60 - 135	
19.00		202								
19.10	19.03 19.17	14107	208391	Methoxychlor	0.067690	11.28168	17.00000	90.3	55 - 145	J
19.41		142								
19.62	19.55 19.69	34444	535815	Endrin Ketone	0.064283	10.71390	3.300000	85.7	65 - 135	
20.39		162								
20.59		122								
21.75		187								
21.82		152								
22.54	22.47 22.61	45487	497254	Decachlorobiphenyl	0.091476	15.24605		76.2	55 - 130	

Manually Integrated Peaks



Start: 8.52 Stop: 8.83

Data File: /chem/tracegc82.i/f100601e_2C.b/069f0052408-BS1.d/069f0052408-BS1.cdf
Injection Date: 03-JUN-2010 00:49
Instrument: tracegc82.i
Client Sample ID: PCFLCS



1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PCFLCSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 0052408-BSD1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/24/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/03/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	3.7	
319-85-7	beta-BHC	3.8	
319-84-6	alpha-BHC	4.2	
319-86-8	delta-BHC	4.2	
58-89-9	gamma-BHC (Lindane)	3.8	
72-54-8	4,4'-DDD	11	
72-55-9	4,4'-DDE	10	
50-29-3	4,4'-DDT	9.4	
60-57-1	Dieldrin	11	
959-98-8	Endosulfan I	3.9	
33213-65-9	Endosulfan II	10	
1031-07-8	Endosulfan sulfate	9.7	
72-20-8	Endrin	10	
7421-93-4	Endrin Aldehyde	6.6	
76-44-8	Heptachlor	4.7	
1024-57-3	Heptachlor Epoxide	4.4	
72-43-5	Methoxychlor	11	J
8001-35-2	Toxaphene	83	U
53494-70-5	Endrin Ketone	11	
5103-74-2	gamma-Chlordane	4.1	
5103-71-9	alpha-Chlordane	4.6	

FORM I PEST

Data File: /chem/tracegc82.i/f100601e.b/070f0052408-BSD1.d

Date : 03-JUN-2010 01:18

Client ID: PCFLCSD

Sample Info: 0052408-BSD1

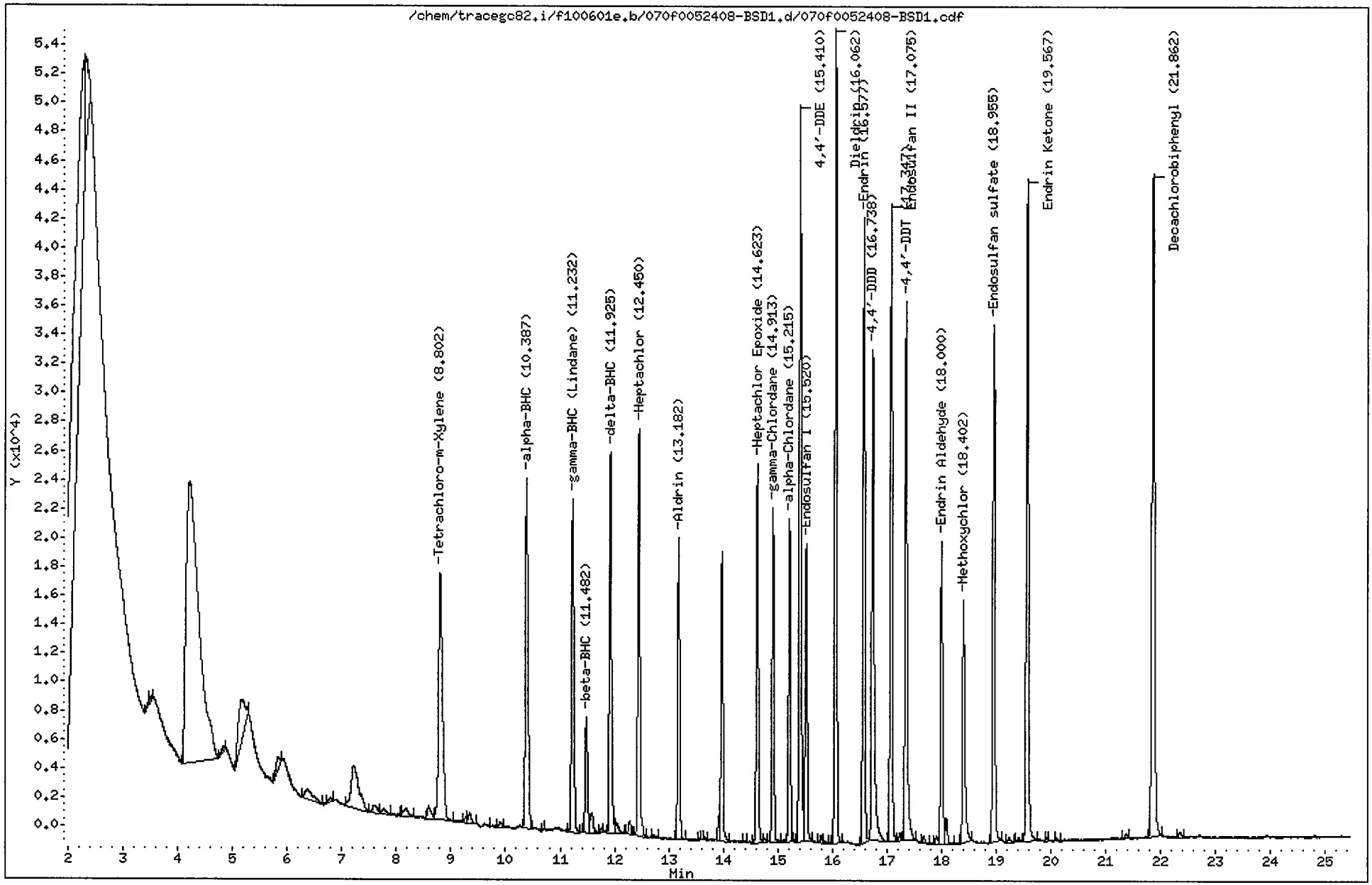
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc82.i

Operator: BWL

Column diameter: 0.32



CompuChem

Lab Smp Id : 0052408-BSD1 Client Smp Id : PCFLCSD
Sample Type : LCSD Sublist : DODPEST
Inj Date : 03-JUN-2010 01:18 Inst ID : TRACEGC82
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601e.b/8081A_clpestv6.m
Misc. Info : PCFLCSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.05			380								
1.38			363								
1.49			24654								
2.29			162496								
2.31			6968								
2.33			23195								
3.48			1189								
3.50			1362								
4.21			319171								
4.83			1779								
5.17			23987								
5.83			3690								
6.37			7591								
6.78			1064								
7.22			29247								
7.59			3325								
7.77			2032								
8.09			409								
8.17			3611								
8.59			4383								
8.80	8.73	8.87	87078	1587700	Tetrachloro-m-Xylene	0.054845	9.140794		91.4	70 - 125	
9.26			1227								
9.35			2898								
9.76			448								
9.91			1267								
10.39	10.32	10.46	80237	3028788	alpha-BHC	0.026491	4.415188	1.700000	88.3	60 - 125	
10.70			324								
11.23	11.16	11.30	68344	2817265	gamma-BHC (Lindane)	0.024259	4.043165	1.700000	80.9	60 - 125	
11.48	11.41	11.55	23819	1035150	beta-BHC	0.023009	3.834871	0.851000	76.7	60 - 125	
11.57			6094								
11.75			671								
11.92	11.85	11.99	73441	2721052	delta-BHC	0.026990	4.498259	1.700000	90.0	55 - 130	
12.05			3411								
12.28			2841								
12.45	12.38	12.52	76857	2589888	Heptachlor	0.029675	4.945903	1.700000	98.9	50 - 140	
12.72			763								
13.18	13.11	13.25	53713	2391920	Aldrin	0.022456	3.742600	1.700000	74.9	45 - 140	

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CompuChem

Lab Smp Id : 0052408-BSD1 Client Smp Id : PCFLCSD
Sample Type : LCSD Sublist : DODPEST
Inj Date : 03-JUN-2010 01:18 Inst ID :
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601e.b/8081A_clpestv6.m
Misc. Info : PCFLCSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
13.56		398								
13.66		351								
13.91		3308								
13.97		51904								
14.40		368								
14.62	14.56 14.70	65374	2235460	Heptachlor Epoxide	0.029244	4.873941	1.700000	97.5	65 - 130	
14.76		537								
14.91	14.84 14.98	57429	2245768	gamma-Chlordane	0.025572	4.261943	1.700000	85.2	65 - 125	
15.11		467								
15.22	15.15 15.29	53790	1924148	alpha-Chlordane	0.027955	4.659206	1.700000	93.2	65 - 120	
15.41	15.34 15.48	130895	2012896	4,4'-DDE	0.065028	10.83795	3.300000	86.7	70 - 125	
15.52	15.45 15.59	53394	2067970	Endosulfan I	0.025820	4.303254	1.700000	86.1	15 - 135	
15.79		1266								
15.87		415								
16.06	15.99 16.13	139880	2037205	Dieldrin	0.068663	11.44378	3.300000	91.6	65 - 125	
16.58	16.51 16.65	108489	1695798	Endrin	0.063975	10.66244	3.300000	85.3	60 - 135	
16.74	16.66 16.80	105265	1534440	4,4'-DDD	0.068601	11.43349	3.300000	91.5	30 - 135	
17.08	17.01 17.15	113743	1759840	Endosulfan II	0.064632	10.77200	3.300000	86.2	35 - 140	
17.24		1598								
17.35	17.27 17.41	102551	1722489	4,4'-DDT	0.059537	9.922755	3.300000	79.4	45 - 140	
17.68		1234								
17.90		1666								
18.00	17.93 18.07	54503	1371845	Endrin Aldehyde	0.039730	6.621618	3.300000	53.0	35 - 145	
18.09		5023								
18.40	18.33 18.47	50393	731447	Methoxychlor	0.068894	11.48227	17.00000	91.9	55 - 145	J
18.96	18.89 19.03	95511	1574194	Endosulfan sulfate	0.060673	10.11216	3.300000	80.9	60 - 135	
19.24		1159								
19.41		1012								
19.57	19.49 19.63	126736	1849761	Endrin Ketone	0.068515	11.41913	3.300000	91.4	65 - 135	
19.93		473								
20.11		582								
21.37		872								
21.86	21.79 21.93	154526	1622138	Decachlorobiphenyl	0.095260	15.87668		79.4	55 - 130	
22.34		1273								

Data File: /chem/tracegc82.i/f100601e_2C.b/070f0052408-BSD1.d

Date : 03-JUN-2010 01:18

Client ID: PCFLCSD

Instrument: tracegc82.i

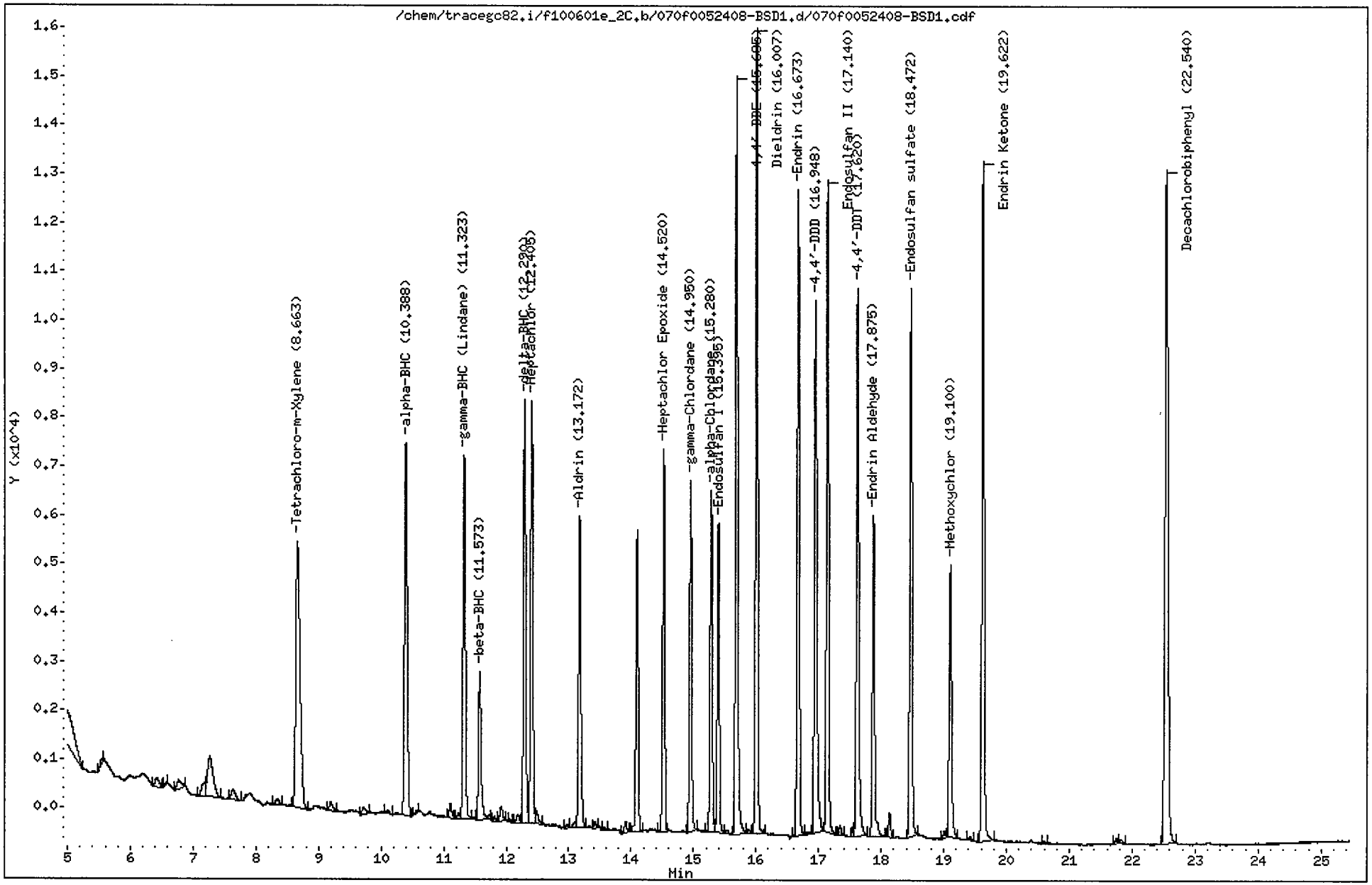
Sample Info: 0052408-BSD1

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0052408-BSD1 Client Smp Id : PCFLCSD
Sample Type : LCSD Sublist : DODPEST
Inj Date : 03-JUN-2010 01:18 Inst ID : TRACEGC82
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601e_2C.b/8081A_clpest2v6.m
Misc. Info : PCFLCSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.36		464								
2.08		53186								
3.16		531								
3.52		86164								
4.29		197								
4.37		140								
4.88		21917								
5.54		209								
6.42		808								
6.57		139								
6.77		892								
7.17		1065								
7.26		5367								
7.63		1051								
8.33		510								
8.66	8.59 8.73	25589	548876	Tetrachloro-m-Xylene	0.046619	7.769818		77.7	70 - 125	
9.20		618								
9.72		603								
10.11		276								
10.39	10.32 10.46	22903	916452	alpha-BHC	0.024990	4.164973	1.700000	83.3	60 - 125	
10.58		130								
11.10		815								
11.23		234								
11.32	11.25 11.39	19781	866882	gamma-BHC (Lindane)	0.022819	3.803091	1.700000	76.1	60 - 125	
11.57	11.50 11.64	8536	347428	beta-BHC	0.024569	4.094859	0.851000	81.9	60 - 125	
11.80		206								
11.92		880								
12.05		144								
12.18		538								
12.29	12.22 12.36	20982	827595	delta-BHC	0.025352	4.225295	1.700000	84.5	55 - 130	
12.40	12.33 12.47	21831	778205	Heptachlor	0.028053	4.675502	1.700000	93.5	50 - 140	
12.48		761								
12.98		195								
13.10		329								
13.17	13.10 13.24	16568	726628	Aldrin	0.022801	3.800205	1.700000	76.0	45 - 140	
13.42		295								
13.55		148								

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CompuChem

Lab Smp Id : 0052408-BSD1 Client Smp Id : PCFLCSD
Sample Type : LCSD Sublist : DODPEST
Inj Date : 03-JUN-2010 01:18 Inst ID :
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601e_2C.b/8081A_clpest2v6.m
Misc. Info : PCFLCSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
13.91		691								
14.09		15124								
14.52	14.45 14.59	17901	683115	Heptachlor Epoxide	0.026203	4.367249	1.700000	87.3	65 - 130	
14.95	14.88 15.02	16865	690205	gamma-Chlordane	0.024433	4.072220	1.700000	81.4	65 - 125	
15.28	15.21 15.35	16526	595455	alpha-Chlordane	0.027752	4.625315	1.700000	92.5	65 - 120	
15.40	15.33 15.47	15007	638725	Endosulfan I	0.023494	3.915613	1.700000	78.3	15 - 135	
15.54		181								
15.68	15.61 15.75	37941	617325	4,4'-DDE	0.061460	10.24339	3.300000	81.9	70 - 125	
15.88		282								
16.01	15.94 16.08	38501	598394	Dieldrin	0.064339	10.72315	3.300000	85.8	65 - 125	
16.67	16.60 16.74	31522	524785	Endrin	0.060067	10.01108	3.300000	80.1	60 - 135	
16.81		179								
16.95	16.87 17.01	29206	454222	4,4'-DDD	0.064299	10.71648	3.300000	85.7	30 - 135	
17.14	17.07 17.21	32409	526756	Endosulfan II	0.061524	10.25395	3.300000	82.0	35 - 140	
17.34		443								
17.55		384								
17.62	17.55 17.69	28544	503765	4,4'-DDT	0.056659	9.443226	3.300000	75.5	45 - 140	
17.88	17.81 17.95	16838	425754	Endrin Aldehyde	0.039546	6.591056	3.300000	52.7	35 - 145	
18.13		1142								
18.47	18.40 18.54	27850	479624	Endosulfan sulfate	0.058064	9.677377	3.300000	77.4	60 - 135	
19.01		325								
19.10	19.03 19.17	14543	208391	Methoxychlor	0.069787	11.63118	17.00000	93.0	55 - 145	J
19.42		220								
19.62	19.55 19.69	35732	535815	Endrin Ketone	0.066685	11.11422	3.300000	88.9	65 - 135	
20.59		126								
21.75		243								
21.82		208								
22.54	22.47 22.61	46255	497254	Decachlorobiphenyl	0.093021	15.50346		77.5	55 - 130	

c. Matrix Spike Data

- Tabulated Results (Form I)

- Chromatograms and data system printout(s)

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS73-0-1MS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 0051919-MS2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 4 decanted: (Y/N) N Date Received: 05/14/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/20/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/02/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	5.3	
319-85-7	beta-BHC	5.0	
319-84-6	alpha-BHC	5.7	
319-86-8	delta-BHC	5.5	
58-89-9	gamma-BHC (Lindane)	5.1	
72-54-8	4,4'-DDD	14	
72-55-9	4,4'-DDE	14	
50-29-3	4,4'-DDT	13	
60-57-1	Dieldrin	14	
959-98-8	Endosulfan I	5.4	
33213-65-9	Endosulfan II	12	
1031-07-8	Endosulfan sulfate	11	
72-20-8	Endrin	13	
7421-93-4	Endrin Aldehyde	8.8	
76-44-8	Heptachlor	5.4	
1024-57-3	Heptachlor Epoxide	5.0	
72-43-5	Methoxychlor	14	J
8001-35-2	Toxaphene	86	U
53494-70-5	Endrin Ketone	15	
5103-74-2	gamma-Chlordane	5.3	
5103-71-9	alpha-Chlordane	6.0	

FORM I PEST

Data File: /chem/tracegc82.i/f100601a_2C.b/020f0051919-MS2.d

Date : 02-JUN-2010 01:02

Client ID: SS73-0-1MS

Instrument: tracegc82.i

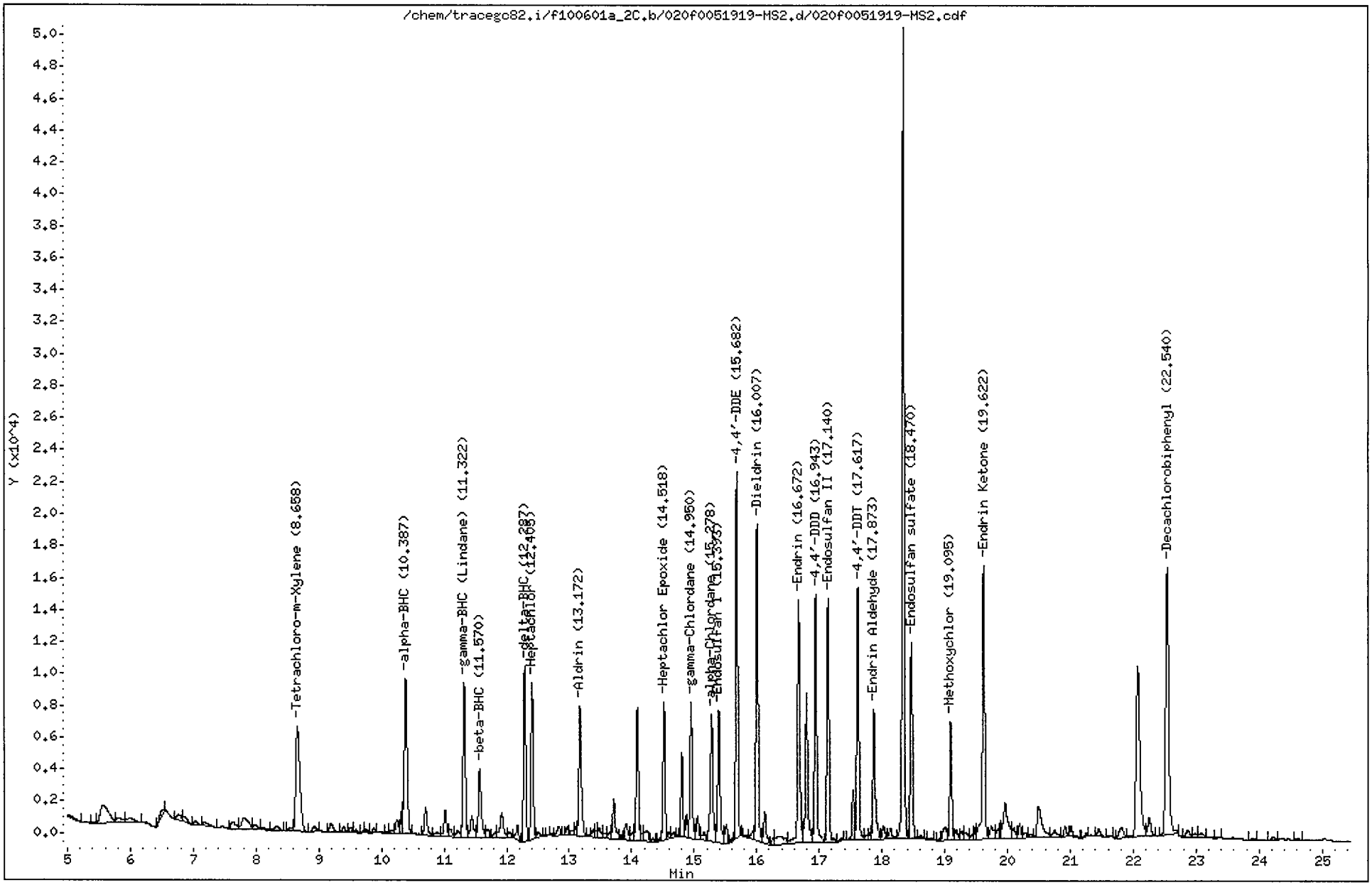
Sample Info: 0051919-MS2

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0051919-MS2 Client Smp Id : SS73-0-1MS
Sample Type : MS Sublist : DODPEST
Inj Date : 02-JUN-2010 01:02 Inst ID : TRACEGC82
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a_2C.b/8081A_clpest2v6.m
Misc. Info : SS73-0-1MS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 4(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.36		334								
2.07		575156								
3.11		491								
3.50		14607								
4.27		401								
4.63		487								
4.83		10540								
5.43		263								
5.57		10219								
5.83		2178								
6.00		2013								
6.51		1376								
6.76		1502								
6.86		1480								
7.04		1079								
7.18		1530								
7.62		2487								
7.82		5525								
7.98		1369								
8.09		661								
8.33		1400								
8.57		750								
8.66	8.59 8.73	30026	548876	Tetrachloro-m-Xylene	0.054705	9.497313		91.2	70 - 125	
8.93		1146								
9.20		2458								
9.39		1105								
9.50		861								
9.59		582								
9.71		211								
9.76		554								
9.88		606								
10.10		144								
10.18		645								
10.25		2677								
10.33		3132								
10.39	10.32 10.46	30102	916452	alpha-BHC	0.032845	5.702279	1.770833	109.5	60 - 125	
10.71		5660								

CompuChem

Lab Smp Id : 0051919-MS2 Client Smp Id : SS73-0-1MS
Sample Type : MS Sublist : DODPEST
Inj Date : 02-JUN-2010 01:02 Inst ID :
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a_2C.b/8081A_clpest2v6.m
Misc. Info : SS73-0-1MS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 4(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
10.89		1515								
11.02		5074								
11.10		1878								
11.22		1574								
11.32	11.25 11.39	25296	866882	gamma-BHC (Lindane)	0.029180	5.066046	1.770833	97.3	60 - 125	
11.44		4881								
11.57	11.50 11.64	13308	347428	beta-BHC	0.038304	6.650068	0.886458	127.7*	60 - 125	R
11.70		1834								
11.82		992								
11.92		6212								
12.04		1155								
12.17		2545								
12.29	12.22 12.36	26311	827595	delta-BHC	0.031791	5.519256	1.770833	106.0	55 - 130	
12.40	12.33 12.47	24055	778205	Heptachlor	0.030911	5.366470	1.770833	103.0	50 - 140	
12.50		987								
12.69		143								
12.71		349								
12.83		1855								
12.96		1304								
13.05		1116								
13.10		1267								
13.17	13.10 13.24	22163	726628	Aldrin	0.030500	5.295106	1.770833	101.7	45 - 140	
13.28		279								
13.37		1093								
13.42		1112								
13.47		2006								
13.56		1090								
13.66		1267								
13.71		7182								
13.83		518								
13.91		3598								
14.03		1750								
14.09		21211								
14.17		881								
14.24		3302								
14.34		543								
14.45		356								

CompuChem

Lab Smp Id : 0051919-MS2 Client Smp Id : SS73-0-1MS
Sample Type : MS Sublist : DODPEST
Inj Date : 02-JUN-2010 01:02 Inst ID :
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a_2C.b/8081A_clpest2v6.m
Misc. Info : SS73-0-1MS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 4(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
14.52	14.45 14.59	19573	683115	Heptachlor Epoxide	0.028651	4.974150	1.770833	95.5	65 - 130	
14.60		1005								
14.67		902								
14.80		11353								
14.88		3301								
14.95	14.88 15.02	21213	690205	gamma-Chlordane	0.030733	5.335573	1.770833	102.4	65 - 125	
15.05		3812								
15.16		1832								
15.28	15.21 15.35	22724	595455	alpha-Chlordane	0.038162	6.625419	1.770833	127.2*	65 - 120	R
15.39	15.33 15.47	22404	638725	Endosulfan I	0.035076	6.089606	1.770833	116.9	15 - 135	
15.51		3248								
15.60		428								
15.68	15.61 15.75	49539	617325	4,4'-DDE	0.080246	13.93164	3.437500	107.0	70 - 125	
15.81		326								
15.93		1466								
16.01	15.94 16.08	46906	598394	Dieldrin	0.078385	13.60848	3.437500	104.5	65 - 125	
16.13		5893								
16.26		777								
16.36		5053								
16.67	16.60 16.74	39737	524785	Endrin	0.075719	13.14560	3.437500	101.0	60 - 135	
16.80		25424								
16.94	16.87 17.01	36935	454222	4,4'-DDD	0.081315	14.11715	3.437500	108.4	30 - 135	
17.14	17.07 17.21	36572	526756	Endosulfan II	0.069427	12.05326	3.437500	92.6	35 - 140	
17.35		440								
17.54		6974								
17.62	17.55 17.69	36960	503765	4,4'-DDT	0.073368	12.73742	3.437500	97.8	45 - 140	
17.75		785								
17.81		893								
17.87	17.81 17.95	21710	425754	Endrin Aldehyde	0.050992	8.852763	3.437500	68.0	35 - 145	
18.02		2604								
18.13		2057								
18.34		108738								
18.47	18.40 18.54	29768	479624	Endosulfan sulfate	0.062065	10.77523	3.437500	82.8	60 - 135	
18.61		403								
18.77		442								
18.91		216								
18.98		3611								

CompuChem

Lab Smp Id : 0051919-MS2 Client Smp Id : SS73-0-1MS
Sample Type : MS Sublist : DODPEST
Inj Date : 02-JUN-2010 01:02 Inst ID :
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a_2C.b/8081A_clpest2v6.m
Misc. Info : SS73-0-1MS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 4(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
19.10	19.03 19.17	16827	208391	Methoxychlor	0.080747	14.01862	17.70833	107.7	55 - 145	J
19.18		2046								
19.26		1628								
19.32		1925								
19.44		1045								
19.49		1606								
19.62	19.55 19.69	46089	535815	Endrin Ketone	0.086017	14.93344	3.437500	114.7	65 - 135	
19.74		3598								
19.84		1364								
19.88		1052								
19.96		11997								
20.10		2195								
20.20		2566								
20.29		1137								
20.38		803								
20.50		10671								
20.75		1740								
20.92		1771								
21.01		2564								
21.25		571								
21.45		1644								
21.59		283								
21.82		2914								
22.07		46448								
22.26		4143								
22.54	22.47 22.61	57205	497254	Decachlorobiphenyl	0.115042	19.97252		95.9	55 - 130	
22.86		1591								
22.99		842								
23.08		955								
23.33		252								
23.90		441								
24.21		648								
24.61		435								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS73-0-1MSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix: (soil/water) SOIL Lab Sample ID: 0051919-MSD2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 4 decanted: (Y/N) N Date Received: 05/14/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/20/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/02/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	5.3	
319-85-7	beta-BHC	6.4	
319-84-6	alpha-BHC	5.4	
319-86-8	delta-BHC	5.3	
58-89-9	gamma-BHC (Lindane)	5.4	
72-54-8	4,4'-DDD	13	
72-55-9	4,4'-DDE	15	
50-29-3	4,4'-DDT	12	
60-57-1	Dieldrin	13	
959-98-8	Endosulfan I	5.1	
33213-65-9	Endosulfan II	11	
1031-07-8	Endosulfan sulfate	10	
72-20-8	Endrin	12	
7421-93-4	Endrin Aldehyde	7.5	
76-44-8	Heptachlor	5.0	
1024-57-3	Heptachlor Epoxide	4.9	
72-43-5	Methoxychlor	14	J
8001-35-2	Toxaphene	86	U
53494-70-5	Endrin Ketone	14	
5103-74-2	gamma-Chlordane	4.7	
5103-71-9	alpha-Chlordane	5.6	

Data File: /chem/tracegc82.i/f100601a.b/021f0051919-MSD1.d

Date : 02-JUN-2010 01:31

Client ID: SB85-1.5-2.5MSD

Instrument: tracegc82.i

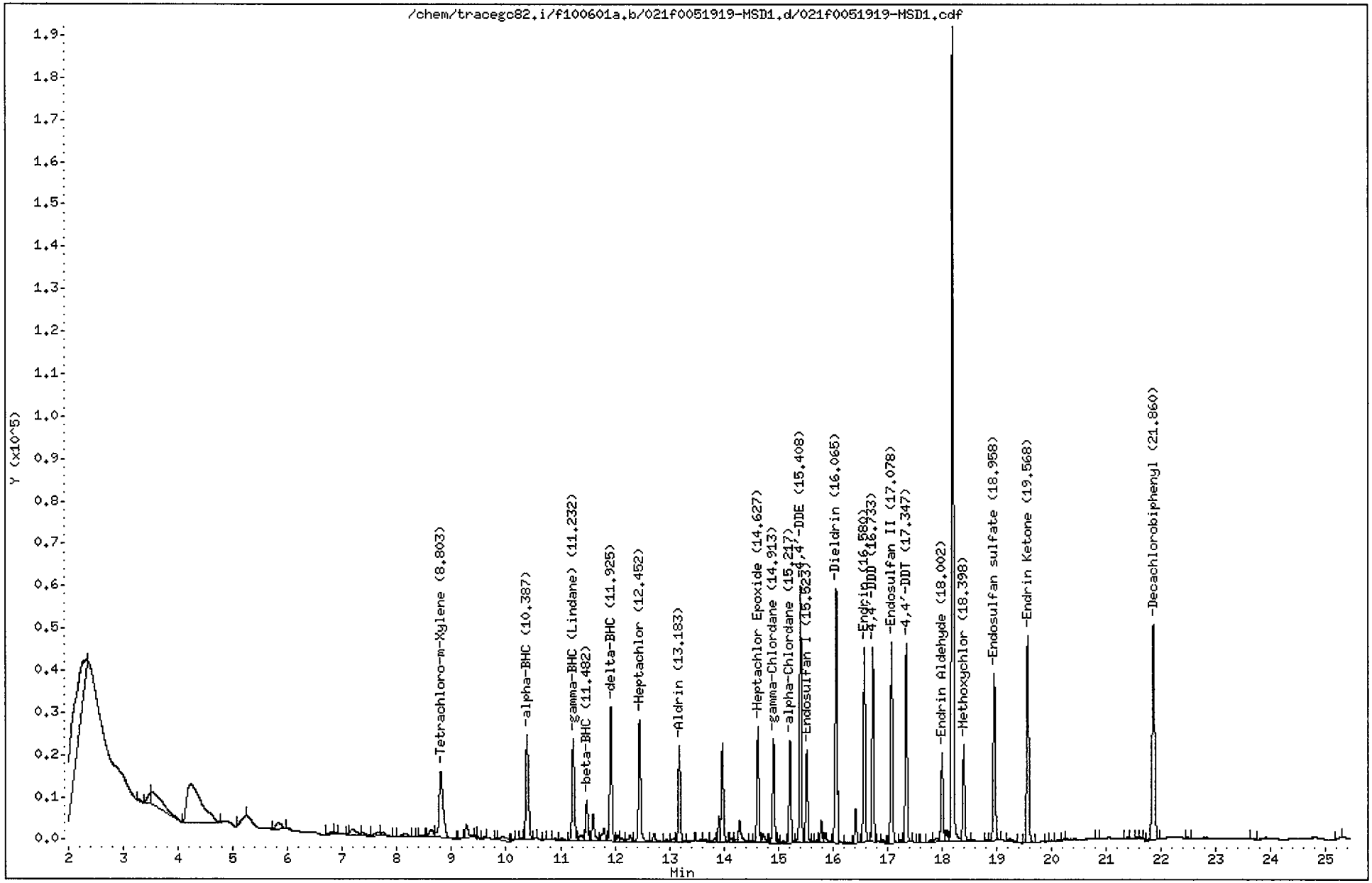
Sample Info: 0051919-MSD1

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0051919-MSD1 Client Smp Id : SB85-1.5-2.5MSD
Sample Type : MSD Sublist : DODPEST
Inj Date : 02-JUN-2010 01:31 Inst ID : TRACEGC82
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a.b/8081A_clpestv6.m
Misc. Info : SB85-1.5-2.5MSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 17(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.39			327								
1.49			18395								
2.30			138563								
3.27			1029								
3.48			7817								
3.52			50555								
4.23			168471								
5.24			1967								
5.83			11000								
6.79			1842								
6.86			853								
7.11			381								
7.18			9578								
7.37			3324								
7.64			5064								
7.74			4558								
8.16			5140								
8.31			385								
8.43			936								
8.63			7998								
8.80	8.73	8.87	79210	1587700	Tetrachloro-m-Xylene	0.049890	10.01803		83.1	70 - 125	
9.16			1087								
9.27			13310								
9.46			1183								
9.60			828								
9.81			474								
9.94			8674								
10.15			977								
10.29			608								
10.39	10.32	10.46	80217	3028788	alpha-BHC	0.026485	5.318178	2.048193	88.3	60 - 125	
10.55			369								
10.72			477								
10.91			1470								
11.02			1895								
11.23	11.16	11.30	71151	2817265	gamma-BHC (Lindane)	0.025255	5.071354	2.048193	84.2	60 - 125	
11.37			5994								
11.48	11.41	11.55	27560	1035150	beta-BHC	0.026623	5.346023	1.025301	88.7	60 - 125	

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CompuChem

Lab Smp Id : 0051919-MSD1 Client Smp Id : SB85-1.5-2.5MSD
Sample Type : MSD Sublist : DODPEST
Inj Date : 02-JUN-2010 01:31 Inst ID :
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a.b/8081A_clpestv6.m
Misc. Info : SB85-1.5-2.5MSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 17(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.60		20439								
11.80		12969								
11.92	11.85 11.99	87033	2721052	delta-BHC	0.031985	6.422701	2.048193	106.6	55 - 130	
12.05		4494								
12.13		2971								
12.28		6708								
12.45	12.38 12.52	84183	2589888	Heptachlor	0.032505	6.527008	2.048193	108.3	50 - 140	
12.72		9445								
12.95		2643								
13.07		3347								
13.18	13.11 13.25	58337	2391920	Aldrin	0.024389	4.897344	2.048193	81.3	45 - 140	
13.38		1141								
13.57		1404								
13.66		2226								
13.83		2992								
13.91		13656								
13.98		60945								
14.10		829								
14.14		2324								
14.23		1794								
14.29		17741								
14.48		1032								
14.63	14.56 14.70	70457	2235460	Heptachlor Epoxide	0.031518	6.328895	2.048193	105.1	65 - 130	
14.72		7876								
14.82		938								
14.91	14.84 14.98	60402	2245768	gamma-Chlordane	0.026895	5.400699	2.048193	89.7	65 - 125	
14.99		1582								
15.09		1548								
15.22	15.15 15.29	59362	1924148	alpha-Chlordane	0.030851	6.194889	2.048193	102.8	65 - 120	
15.41	15.34 15.48	142730	2012896	4,4'-DDE	0.070907	14.23841	3.975904	94.5	70 - 125	
15.52	15.45 15.59	55049	2067970	Endosulfan I	0.026620	5.345346	2.048193	88.7	15 - 135	
15.64		669								
15.71		1787								
15.79		12528								
15.87		5994								
16.06	15.99 16.13	150071	2037205	Dieldrin	0.073665	14.79220	3.975904	98.2	65 - 125	
16.24		1212								

CompuChem

Lab Smp Id : 0051919-MSD1 Client Smp Id : SB85-1.5-2.5MSD
Sample Type : MSD Sublist : DODPEST
Inj Date : 02-JUN-2010 01:31 Inst ID :
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a.b/8081A_clpestv6.m
Misc. Info : SB85-1.5-2.5MSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 17(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
16.42			19031								
16.58	16.51	16.65	113087	1695798	Endrin	0.066687	13.39089	3.975904	88.9	60 - 135	
16.73	16.66	16.80	104953	1534440	4,4'-DDD	0.068398	13.73446	3.975904	91.2	30 - 135	
16.91			2314								
17.08	17.01	17.15	119572	1759840	Endosulfan II	0.067945	13.64354	3.975904	90.6	35 - 140	
17.24			1906								
17.35	17.27	17.41	111307	1722489	4,4'-DDT	0.064619	12.97576	3.975904	86.2	45 - 140	
17.55			338								
17.65			611								
17.79			1292								
17.89			3989								
18.00	17.93	18.07	53656	1371845	Endrin Aldehyde	0.039112	7.853727	3.975904	52.1	35 - 145	
18.09			7345								
18.19			472715								
18.40	18.33	18.47	54674	731447	Methoxychlor	0.074746	15.00931	20.48193	99.7	55 - 145	J
18.82			437								
18.96	18.89	19.03	101674	1574194	Endosulfan sulfate	0.064588	12.96947	3.975904	86.1	60 - 135	
19.24			4577								
19.57	19.49	19.63	128653	1849761	Endrin Ketone	0.069551	13.96609	3.975904	92.7	65 - 135	
19.93			310								
20.11			570								
20.23			305								
20.82			322								
21.37			841								
21.54			776								
21.61			282								
21.86	21.79	21.93	164271	1622138	Decachlorobiphenyl	0.101268	20.33498		84.4	55 - 130	
22.48			332								
23.67			913								
25.30			542								

Data File: /chem/tracegc82.i/f100601a.b/022f0051919-MSD2.d

Date : 02-JUN-2010 02:00

Client ID: SS73-0-1MSD

Instrument: tracegc82.i

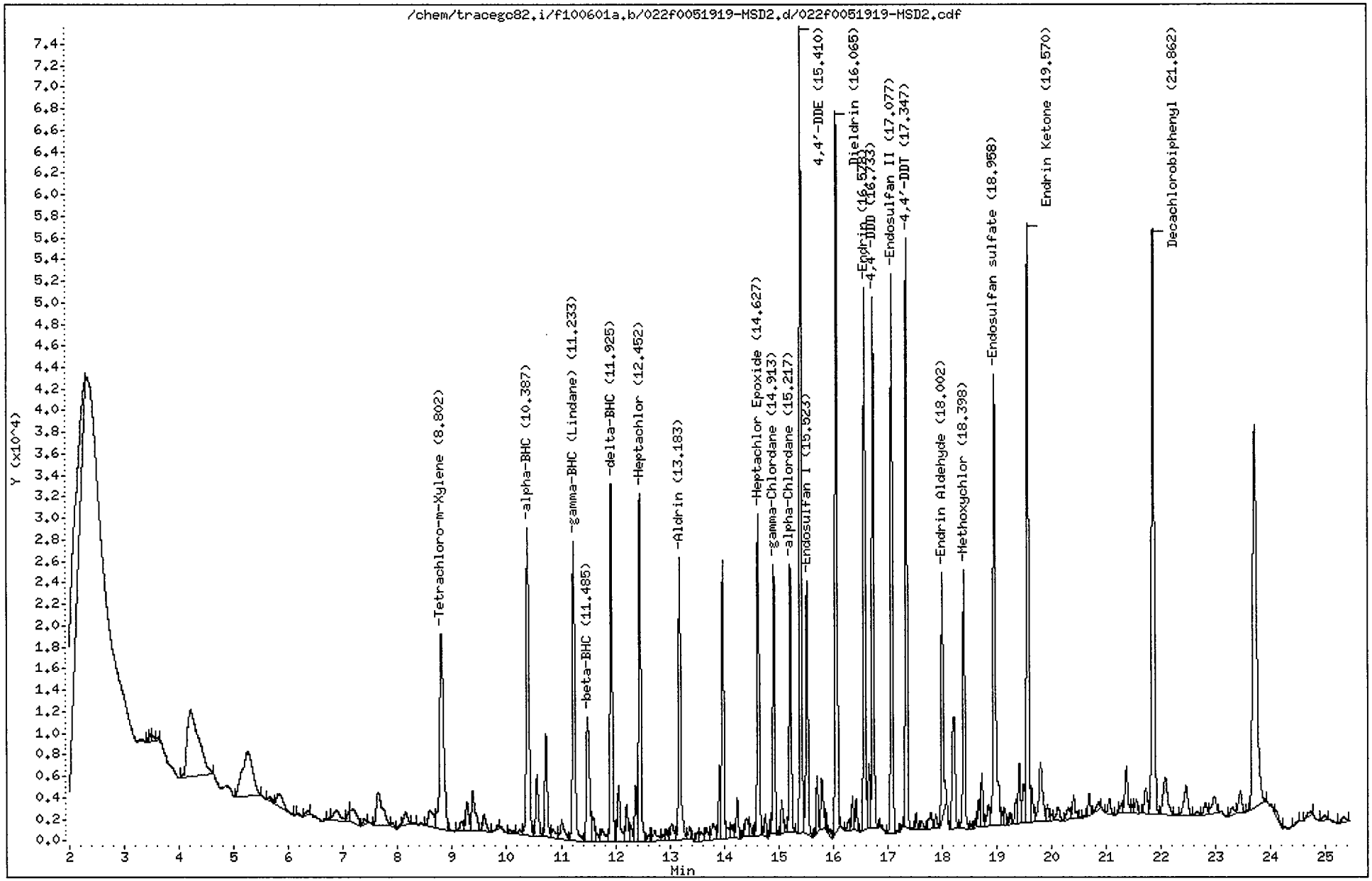
Sample Info: 0051919-MSD2

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0051919-MSD2 Client Smp Id : SS73-0-1MSD
Sample Type : MSD Sublist : DODPEST
Inj Date : 02-JUN-2010 02:00 Inst ID : TRACEGC82
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a.b/8081A_clpestv6.m
Misc. Info : SS73-0-1MSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 4(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.39		368								
1.50		18015								
2.30		80099								
3.44		746								
3.47		1294								
3.49		1946								
3.58		1061								
4.22		90353								
5.26		56874								
5.65		1874								
5.83		10156								
6.18		863								
6.34		1478								
6.75		561								
6.87		7688								
7.12		3494								
7.17		9921								
7.38		1910								
7.64		24164								
7.91		1420								
8.04		635								
8.14		6071								
8.30		560								
8.59		10252								
8.80	8.73 8.87	94720	1587700	Tetrachloro-m-Xylene	0.059658	10.35729		99.4	70 - 125	
9.17		4036								
9.27		10326								
9.38		18405								
9.58		6901								
9.84		1294								
10.06		1869								
10.23		1588								
10.39	10.32 10.46	97190	3028788	alpha-BHC	0.032088	5.570906	1.770833	107.0	60 - 125	
10.55		18966								
10.72		30771								
10.85		4341								
11.01		8778								

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CompuChem

Lab Smp Id : 0051919-MSD2 Client Smp Id : SS73-0-1MSD
Sample Type : MSD Sublist : DODPEST
Inj Date : 02-JUN-2010 02:00 Inst ID :
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a.b/8081A_clpestv6.m
Misc. Info : SS73-0-1MSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 4(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.23	11.16 11.30	87313	2817265	gamma-BHC (Lindane)	0.030992	5.380514	1.770833	103.3	60 - 125	
11.48	11.41 11.55	45398	1035150	beta-BHC	0.043856	7.613933	0.886458	146.2*	60 - 125	RM 2
11.60		8490								
11.66		2292								
11.75		6001								
11.92	11.85 11.99	92029	2721052	delta-BHC	0.033821	5.871656	1.770833	112.7	55 - 130	
12.00		1983								
12.06		18024								
12.20		10523								
12.28		4836								
12.37		13761								
12.45	12.38 12.52	90707	2589888	Heptachlor	0.035023	6.080407	1.770833	116.7	50 - 140	
12.61		1746								
12.66		1009								
12.71		5139								
12.87		1913								
12.95		2829								
13.04		7255								
13.18	13.11 13.25	73354	2391920	Aldrin	0.030667	5.324131	1.770833	102.2	45 - 140	
13.37		3809								
13.51		2640								
13.57		3519								
13.67		4653								
13.79		8114								
13.91		16507								
13.98		68141								
14.05		4090								
14.14		3972								
14.24		10608								
14.35		979								
14.40		7388								
14.47		3205								
14.55		1167								
14.63	14.56 14.70	76839	2235460	Heptachlor Epoxide	0.034372	5.967421	1.770833	114.6	65 - 130	
14.76		5059								
14.85		3211								
14.91	14.84 14.98	61371	2245768	gamma-Chlordane	0.027327	4.744341	1.770833	91.1	65 - 125	

CompuChem

Lab Smp Id : 0051919-MSD2 Client Smp Id : SS73-0-1MSD
Sample Type : MSD Sublist : DODPEST
Inj Date : 02-JUN-2010 02:00 Inst ID :
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a.b/8081A_clpestv6.m
Misc. Info : SS73-0-1MSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 4(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
15.06		8836								
15.14		1351								
15.22	15.15 15.29	61841	1924148	alpha-Chlordane	0.032139	5.579762	1.770833	107.1	65 - 120	
15.41	15.34 15.48	174339	2012896	4,4'-DDE	0.086611	15.03664	3.437500	115.5	70 - 125	
15.52	15.45 15.59	60580	2067970	Endosulfan I	0.029294	5.085754	1.770833	97.6	15 - 135	
15.71		12200								
15.79		14542								
15.86		3350								
15.94		1318								
16.06	15.99 16.13	168994	2037205	Dieldrin	0.082954	14.40171	3.437500	110.6	65 - 125	
16.28		2814								
16.35		7375								
16.42		7092								
16.58	16.51 16.65	123371	1695798	Endrin	0.072750	12.63028	3.437500	97.0	60 - 135	
16.66		14843								
16.73	16.66 16.80	116922	1534440	4,4'-DDD	0.076198	13.22890	3.437500	101.6	30 - 135	
16.89		1112								
17.08	17.01 17.15	126481	1759840	Endosulfan II	0.071871	12.47756	3.437500	95.8	35 - 140	
17.17		501								
17.28		485								
17.35	17.27 17.41	128558	1722489	4,4'-DDT	0.074635	12.95747	3.437500	99.5	45 - 140	
17.44		317								
17.52		3482								
17.63		2840								
17.79		6024								
17.88		3512								
18.00	17.93 18.07	59123	1371845	Endrin Aldehyde	0.043097	7.482193	3.437500	57.5	35 - 145	
18.22		41947								
18.40	18.33 18.47	60754	731447	Methoxychlor	0.083060	14.42015	17.70833	110.7	55 - 145	J
18.54		1202								
18.61		1845								
18.67		6379								
18.73		12785								
18.85		7167								
18.96	18.89 19.03	127461	1574194	Endosulfan sulfate	0.080968	14.05702	3.437500	108.0	60 - 135	
19.09		3160								
19.15		3877								

CompuChem

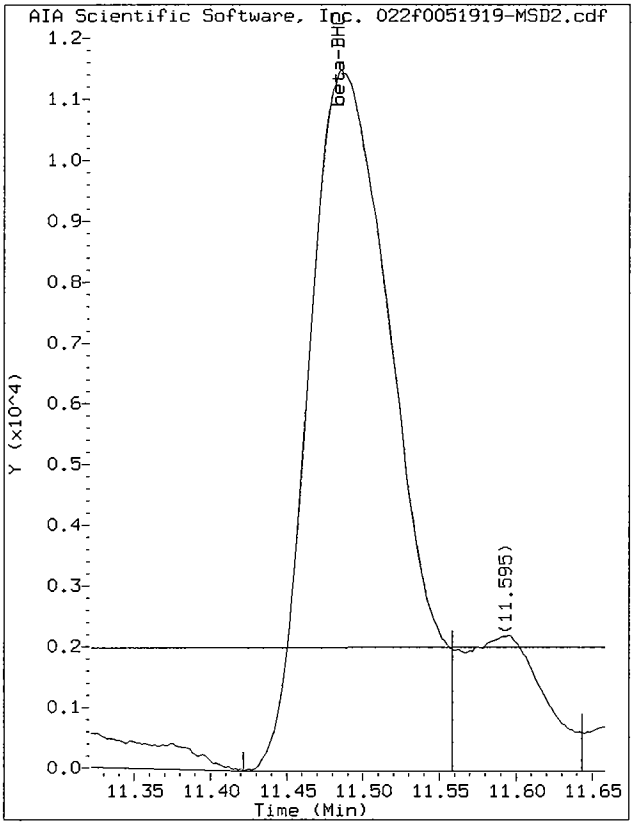
Lab Smp Id : 0051919-MSD2 Client Smp Id : SS73-0-1MSD
Sample Type : MSD Sublist : DODPEST
Inj Date : 02-JUN-2010 02:00 Inst ID :
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a.b/8081A_clpestv6.m
Misc. Info : SS73-0-1MSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 4(%)

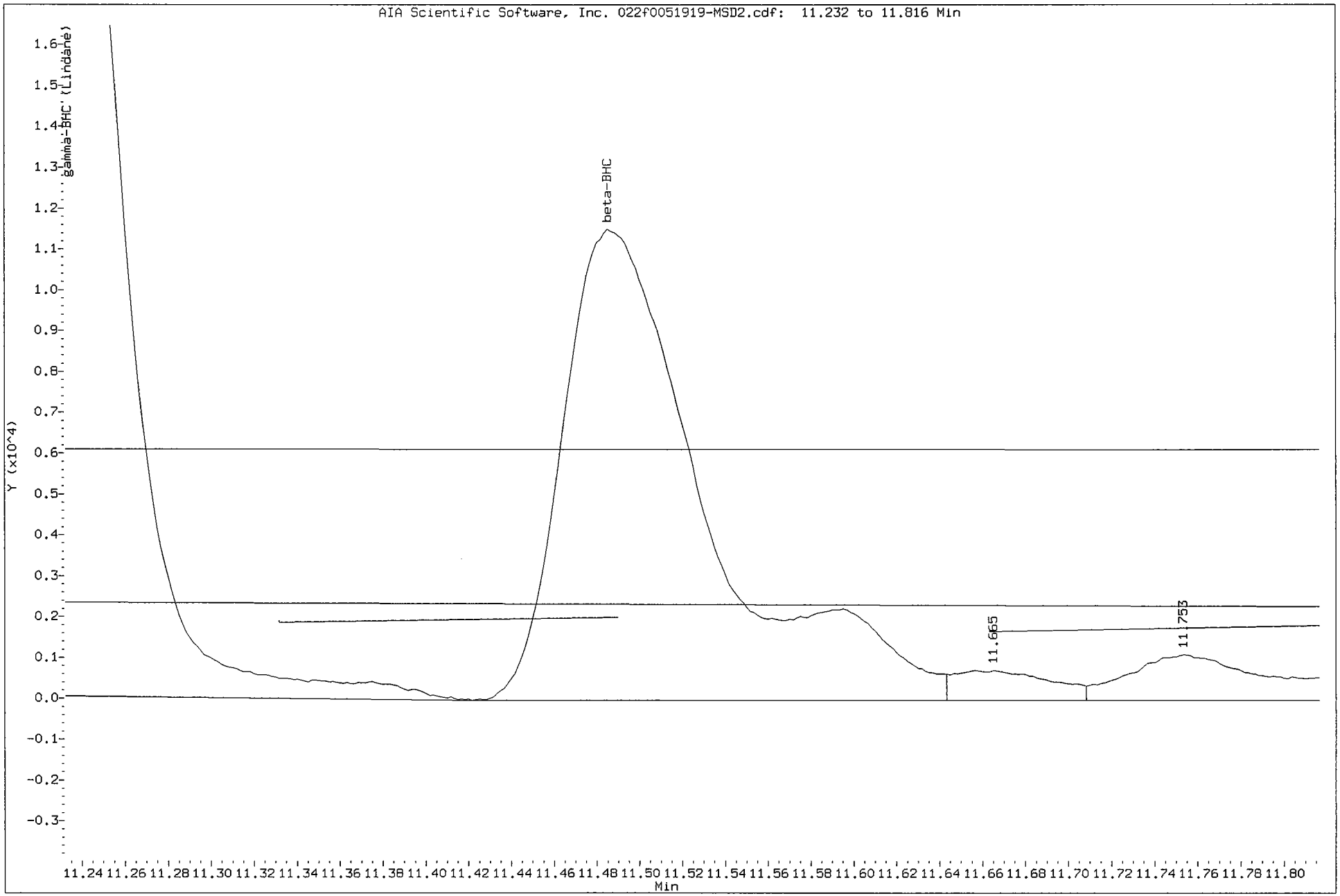
RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
19.24		2794								
19.35		5899								
19.41		16053								
19.49		11125								
19.57	19.49 19.63	146826	1849761	Endrin Ketone	0.079375	13.78040	3.437500	105.8	65 - 135	
19.63		9903								
19.80		26066								
19.93		3782								
20.00		1729								
20.12		5280								
20.30		4923								
20.40		7297								
20.60		311								
20.69		6033								
20.85		2975								
21.05		4681								
21.23		917								
21.28		2677								
21.36		15663								
21.48		2074								
21.55		4098								
21.72		9649								
21.86	21.79 21.93	174549	1622138	Decachlorobiphenyl	0.107604	18.68130		89.7	55 - 130	
22.08		20678								
22.46		14088								
22.66		1586								
22.80		4060								
22.98		8899								
23.30		2761								
23.44		8405								
23.71		178261								
24.10		2311								
24.50		422								
24.71		1932								
24.96		1908								
25.32		2627								

Manually Integrated Peaks



Start: 11.42 Stop: 11.56

Data File: /chem/tracegc82.i/f100601a.b/022f0051919-MSD2.d/022f0051919-MSD2.cdf
Injection Date: 02-JUN-2010 02:00
Instrument: tracegc82.i
Client Sample ID: SS73-0-1MSD



Data File: /chem/tracegc82.i/f100601a_2C.b/022f0051919-MSD2.d

Date : 02-JUN-2010 02:00

Client ID: SS73-0-1MSD

Instrument: tracegc82.i

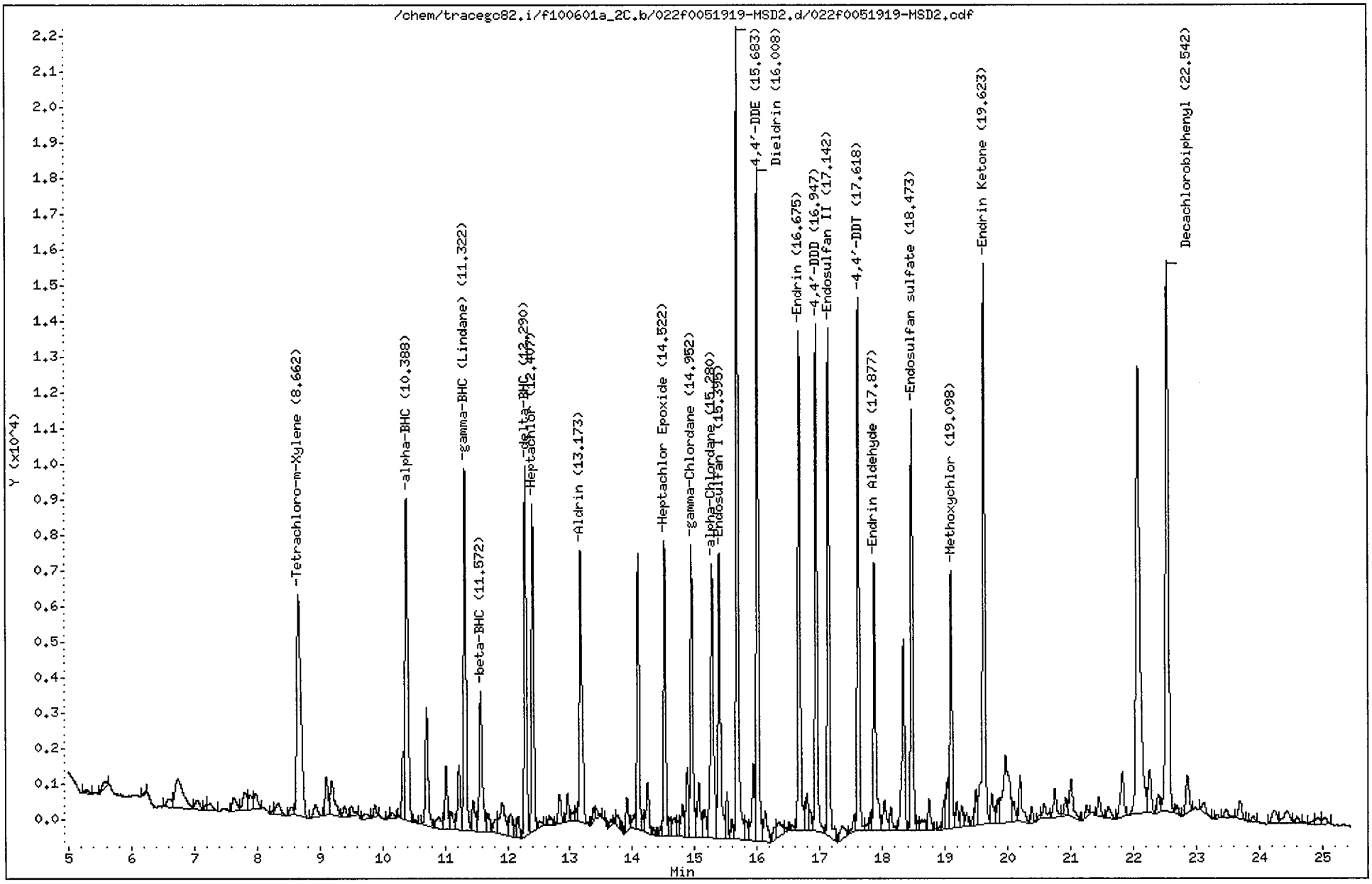
Sample Info: 0051919-MSD2

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0051919-MSD2 Client Smp Id : SS73-0-1MSD
Sample Type : MSD Sublist : DODPEST
Inj Date : 02-JUN-2010 02:00 Inst ID : TRACEGC82
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a_2C.b/8081A_clpest2v6.m
Misc. Info : SS73-0-1MSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 4(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.36		275								
2.08		637382								
3.10		451								
3.51		14204								
4.25		267								
4.84		1330								
5.29		451								
5.58		908								
6.22		182								
6.60		1401								
6.74		7542								
7.05		1244								
7.19		395								
7.24		938								
7.63		1924								
7.80		2470								
7.89		1799								
7.98		1838								
8.25		195								
8.33		1830								
8.55		773								
8.66	8.59 8.73	28713	548876	Tetrachloro-m-Xylene	0.052312	9.082007		87.2	70 - 125	
8.94		1714								
9.11		3387								
9.19		4565								
9.39		998								
9.51		1076								
9.72		697								
9.88		887								
10.10		250								
10.15		560								
10.33		4160								
10.39	10.32 10.46	28660	916452	alpha-BHC	0.031273	5.429299	1.770833	104.2	60 - 125	
10.52		237								
10.71		10307								
10.90		1894								
11.02		5373								

6/2/10

CompuChem

Lab Smp Id : 0051919-MSD2 Client Smp Id : SS73-0-1MSD
Sample Type : MSD Sublist : DODPEST
Inj Date : 02-JUN-2010 02:00 Inst ID :
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a_2C.b/8081A_clpest2v6.m
Misc. Info : SS73-0-1MSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 4(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.10		1739								
11.22		6105								
11.32	11.25 11.39	27070	866882	gamma-BHC (Lindane)	0.031227	5.421326	1.770833	104.1	60 - 125	
11.45		3262								
11.57	11.50 11.64	12838	347428	beta-BHC	0.036952	6.415207	0.886458	123.2	60 - 125	
11.70		1816								
11.83		1576								
11.92		5656								
12.05		2575								
12.13		728								
12.18		1702								
12.29	12.22 12.36	25090	827595	delta-BHC	0.030317	5.263327	1.770833	101.1	55 - 130	
12.41	12.33 12.47	22596	778205	Heptachlor	0.029035	5.040756	1.770833	96.8	50 - 140	
12.51		563								
12.67		938								
12.83		2705								
12.96		2021								
13.05		926								
13.10		637								
13.17	13.10 13.24	22460	726628	Aldrin	0.030909	5.366067	1.770833	103.0	45 - 140	
13.38		796								
13.43		840								
13.56		241								
13.66		546								
13.72		286								
13.76		910								
13.83		435								
13.91		2557								
14.03		1372								
14.10		18996								
14.17		1047								
14.25		4487								
14.34		464								
14.46		526								
14.52	14.45 14.59	19223	683115	Heptachlor Epoxide	0.028139	4.885199	1.770833	93.8	65 - 130	
14.60		1369								
14.67		2154								

CompuChem

Lab Smp Id : 0051919-MSD2 Client Smp Id : SS73-0-1MSD
Sample Type : MSD Sublist : DODPEST
Inj Date : 02-JUN-2010 02:00 Inst ID :
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a_2C.b/8081A_clpest2v6.m
Misc. Info : SS73-0-1MSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 4(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
14.74		1239								
14.81		2722								
14.88		5448								
14.95	14.88 15.02	21324	690205	gamma-Chlordane	0.030894	5.363493	1.770833	103.0	65 - 125	
15.07		5474								
15.16		2667								
15.28	15.21 15.35	24970	595455	alpha-Chlordane	0.041933	7.279972	1.770833	139.8*	65 - 120	R
15.40	15.33 15.47	22589	638725	Endosulfan I	0.035366	6.139890	1.770833	117.9	15 - 135	
15.52		3242								
15.60		1314								
15.68	15.61 15.75	53282	617325	4,4'-DDE	0.086309	14.98428	3.437500	115.1	70 - 125	
15.81		2009								
15.94		6533								
16.01	15.94 16.08	45991	598394	Dieldrin	0.076856	13.34301	3.437500	102.5	65 - 125	
16.13		3474								
16.27		1172								
16.35		2511								
16.46		262								
16.56		476								
16.68	16.60 16.74	35021	524785	Endrin	0.066732	11.58543	3.437500	89.0	60 - 135	
16.80		3099								
16.85		1397								
16.95	16.87 17.01	33261	454222	4,4'-DDD	0.073224	12.71250	3.437500	97.6	30 - 135	
17.14	17.07 17.21	34744	526756	Endosulfan II	0.065958	11.45111	3.437500	87.9	35 - 140	
17.36		2081								
17.55		1244								
17.62	17.55 17.69	34277	503765	4,4'-DDT	0.068042	11.81279	3.437500	90.7	45 - 140	
17.75		513								
17.82		1050								
17.88	17.81 17.95	20500	425754	Endrin Aldehyde	0.048148	8.358950	3.437500	64.2	35 - 145	
18.03		2974								
18.14		1946								
18.34		15501								
18.47	18.40 18.54	28802	479624	Endosulfan sulfate	0.060051	10.42556	3.437500	80.1	60 - 135	
18.56		644								
18.62		1472								
18.74		2436								

CompuChem

Lab Smp Id : 0051919-MSD2 Client Smp Id : SS73-0-1MSD
Sample Type : MSD Sublist : DODPEST
Inj Date : 02-JUN-2010 02:00 Inst ID :
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a_2C.b/8081A_clpest2v6.m
Misc. Info : SS73-0-1MSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 4(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
18.91		186								
18.98		1834								
19.04		4090								
19.10	19.03 19.17	17317	208391	Methoxychlor	0.083094	14.42601	17.70833	110.8	55 - 145	J
19.18		2186								
19.27		1886								
19.34		1129								
19.44		614								
19.49		2431								
19.62	19.55 19.69	43619	535815	Endrin Ketone	0.081405	14.13281	3.437500	108.5	65 - 135	
19.74		3016								
19.84		1704								
19.96		13461								
20.10		1684								
20.20		4265								
20.39		1094								
20.52		461								
20.59		1673								
20.75		2729								
20.92		1475								
21.01		4592								
21.26		905								
21.45		1868								
21.60		1366								
21.82		4799								
22.07		55909								
22.26		4392								
22.39		1579								
22.54	22.47 22.61	51107	497254	Decachlorobiphenyl	0.102778	17.84346		85.6	55 - 130	
22.69		768								
22.86		3821								
23.11		1078								
23.33		293								
23.47		1029								
23.70		1969								
23.90		514								
24.24		2116								

CompuChem

Lab Smp Id : 0051919-MSD2 Client Smp Id : SS73-0-1MSD
Sample Type : MSD Sublist : DODPEST
Inj Date : 02-JUN-2010 02:00 Inst ID :
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a_2C.b/8081A_clpest2v6.m
Misc. Info : SS73-0-1MSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 4(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
24.44		2376								
24.60		668								
24.87		277								
24.93		829								
25.04		858								

d. Matrix Spike Duplicate Data

- Tabulated Results (Form I)

- Chromatograms and data system printout(s)

CompuChem

A Division Of

Liberty Analytical Corp.

7/6/2010

REBEKHA SHAW

CH2M HILL, INC.

5700 CLEVELAND STREET, SUITE 101

VIRGINIA BEACH, VA 23462

Subject:

Report of Data - Project: CTO-094 MCB CAMP LEJEUNE/395307.S, WorkOrder: 1005133

Attn.: REBEKHA SHAW

Enclosed are the results of analytical work performed in accordance with the referenced account number. This report covers sample(s) appearing on the listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097

Sincerely,

Compuchem

a division of Liberty Analytical Corporation

Attachment

TOTAL NUMBER

OF PAGES _____

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

CompuChem, a division of Liberty Analytical

Client: CH2M HILL, INC. **Work:** 1005133

Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM **Sdg:** 1005133

Lab ID	Client ID	Matrix	Date Sampled	Date Received
1005133-01	SS73-0-1	Soil	05/14/2010 08:25	05/14/2010 16:00
1005133-02	SB74-4-5	Soil	05/17/2010 16:00	05/19/2010 09:05
1005133-03	SS75-0-1	Soil	05/17/2010 16:35	05/19/2010 09:05
1005133-04	SB75-3.5-4.5	Soil	05/17/2010 16:45	05/19/2010 09:05
1005133-05	SS63-0-1	Soil	05/18/2010 08:40	05/19/2010 09:05
1005133-06	SB63-5.5-6.5	Soil	05/18/2010 09:00	05/19/2010 09:05
1005133-07	SS61-0-1	Soil	05/18/2010 09:45	05/19/2010 09:05
1005133-08	SS61D-0-1	Soil	05/18/2010 09:50	05/19/2010 09:05
1005133-09	SB61-6-7	Soil	05/18/2010 09:55	05/19/2010 09:05
1005133-10	SB61D-6-7	Soil	05/18/2010 10:00	05/19/2010 09:05
1005133-11	SS67-0-1	Soil	05/18/2010 17:00	05/21/2010 16:00
1005133-12	SS72-0-1	Soil	05/19/2010 08:35	05/21/2010 16:00
1005133-13	SB72-2-3	Soil	05/19/2010 08:45	05/21/2010 16:00
1005133-14	SS88-0-1	Soil	05/19/2010 09:10	05/21/2010 16:00
1005133-15	SB88-2.5-3.5	Soil	05/19/2010 09:25	05/21/2010 16:00
1005133-16	SS76-0-1	Soil	05/19/2010 09:55	05/21/2010 16:00
1005133-17	SB76-6-7	Soil	05/19/2010 10:45	05/21/2010 16:00
1005133-18	SS87-0-1	Soil	05/19/2010 11:45	05/21/2010 16:00
1005133-19	SB87-3-4	Soil	05/19/2010 11:55	05/21/2010 16:00
1005133-20	SS68-0-1	Soil	05/20/2010 09:30	05/21/2010 16:00

CompuChem, a Division of Liberty Analytical Corporation

I. SAMPLE DATA SUMMARY PACKAGE

GC/MS by SW-846

Modified For Selected Ion Monitoring (SIM)

The sample data summary package shall contain data for all samples in one Sample Delivery Group (SDG) of the Case, as follows:

A. SDG Narrative

B. Tabulated target compound results (Form I)

C. Surrogate spike analysis results (Form II)
By matrix (Water or Soil), and
by concentration (Low or Medium)

D. Spike results MS / MSD / LCS (Form III)

E. Blank data (Form IV)
Tabulated blank results (Form I)

F. Internal standard area response and retention time data (Form VIII)

LAB CODE: LIBRTY METHOD: 8270C

SDG # : 1005133

A. SDG Narrative

CompuChem
a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG # 1005133
PROTOCOL: SW-846
Date: July 06, 2010

SAMPLE IDENTIFICATIONS: SB61-6-7, SB61D-6-7, SB63-5.5-6.5, SB72-2-3, SB74-4-5, SB75-3.5-4.5, SB76-6-7, SB87-3-4, SB88-2.5-3.5, SS61-0-1, SS61D-0-1, SS63-0-1, SS67-0-1, SS68-0-1, SS72-0-1, SS73-0-1, SS73-0-1MS, SS73-0-01MSD, SS75-0-1, SS76-0-1, SS87-0-1, and SS88-0-1

The twenty-two (22) soil samples listed above were received intact, with proper documentation, in sealed shipping containers, on May 14, 19, and 21, 2010. The cooler temperatures associated with these samples were 1.7, 1.5, 4.3, 3.9, and 3.1 °C.

The samples listed above were scheduled for the requested analysis of the semivolatile Selected Ion Monitoring (SIM) fraction.

SW-846, 3rd Edition, Update 3, Sonication extraction (Method 3550B), and Method 8270C Selected Ion Monitoring (SIM) were used to prepare and analyze these samples, with the exceptions and/or additions requested by the client. This portion of the narrative deals with the semivolatile Selected Ion Monitoring (SIM) fraction only.

The percent moisture value for these samples ranged from 3 to 55.

Semivolatile SIM

Extraction and analysis holding time requirements were met for these samples.

The semivolatile SIM target compound list (TCL) analyte Fluoranthene was identified above the Contract Required Quantitation Limit (CRQL) in sample SS67-0-1.

Manual integrations were performed on one or more of the process files associated with this SDG. Please see the detailed Manual Integration Summary report that is located behind this SDG narrative. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

Mass assignments were verified by the injections of Perfluorotributylamine for the SIM analysis.

Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG. In the initial calibration analyzed on instrument 5972HP66 on 06/29/10, Nitrobenzene-d_5 is being reported as a linear, with a relative standard deviation (RSD) of 0.9938027 instead of 0.995.

All of the surrogates met recovery criteria in the analyses of these samples, with the exception of samples SB61-6-7, SB61D-6-7, SB74-4-5, SS61-0-1, and SS61D-0-1. In the analyses of the samples SB61D-6-7 and SB74-4-5, the recovery of the surrogate, Nitrobenzene-d_5, was bias high and failed quality control criteria and in the analyses of the samples SB61-6-7, SS61-0-1, and SS61D-0-1, the recovery of the surrogate, Terphenyl-d_{14}, was bias high and failed quality control criteria. Since the recoveries of these surrogates met our in-house quality control criteria, the results are being reported without any corrective action.

All of the internal standards met response and retention time criteria in the analyses of these samples.

The associated method blanks met all quality control criteria.

Sample SS73-0-1 was used as the original to prepare the duplicate matrix spikes as requested. The associated duplicate matrix spikes met overall accuracy criteria. The recovery of the spike compound Fluorene was bias low in both the SS73-0-1MS and SS73-0-1MSD and failed quality control criteria. This compound was flagged as an outlier in the duplicate matrix spike samples. All Relative Percent Difference (RPD) precision criteria were met in the comparison of the duplicate matrix spike samples.

The associated Laboratory Control Samples, prepared and analyzed along with these samples, met all accuracy criteria and overall precision criteria. The Relative Percent Differences (RPDs) of the spike compounds Fluorene, Indeno(1,2,3-cd)pyrene, Dibenzo(a,h)Anthracene, and Benzo(g,h,i)perylene in the comparison of the laboratory control samples SBPLCS and SBPLCSD failed quality control criteria and were flagged as outliers. Only samples SS73-0-1, SS73-0-1MS, and SS73-0-1MSD were associated with these LCS/LCSD samples and none of these compounds were detected above the CRQLs in the sample SS73-0-1, associated with these LCS/LCSD samples.

An uncertainty of these test results may be estimated from the recovery of the surrogates added to the sample prior to sample preparation or from the recovery of spiked compound(s) in the associated laboratory control sample. Further information is available upon request.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Furthermore, I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice. Release of the data contained in this hardcopy data package and in the computer-readable data submitted electronically has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

S.A Parikh

Saroj A. Parikh
Data Reviewer
July 06, 2010

Manual Integrations											
SDG: 1005133	SS73-0-1	SSTD3.00IV	SCGLCS	SCGLCSD	SS75-0-1	SS63-0-1	SB63-5.5-6.5	SS61D-0-1	SB61-6-7	SS72-0-1	
Compound											
Naphthalene								X		X	
2-Methylnaphthalene											
1-Methylnaphthalene											
Acenaphtylene											
Acenaphthene											
Fluorene											
Phenanthrene											
Anthracene											
Fluoranthene										X	
Pyrene							X			X	
Benzo(a)anthracene											
Chrysene							X			X	
Benzo(b)fluoranthene						X					
Benzo(k)fluoranthene						X					
Benzo(a)pyrene											
Indeno(1,2,3-cd)pyrene		X	X	X	X	X					
Dibenzo(a,h)anthracene											
Benzo(g,h,i)perylene	X					X					
1,4-Dichlorobenzene-d4											
Nahthalene-d8											
Acenapthene-d10						X					
Phenanthrene-d10											
Chrysene-d12									X		
Perylene-d12										X	
2-fluorophenol											
Phenol-d5											
Nitrobenzene-d5											
2,4,6-Tribromophenol											
2-Fluorobiphenyl											
Terphenyl-d14							X		X		
"X" Denotes a manual integration for the compound											

Manual Integrations											
SDG: 1005133	SS67-0-1	SS88-0-1	SS76-0-1	SS87-0-1	SS68-0-1						
Compound											
Naphthalene											
2-Methylnaphthalene											
1-Methylnaphthalene											
Acenaphtylene											
Acenaphthene											
Fluorene											
Phenanthrene											
Anthracene											
Fluoranthene											
Pyrene				X							
Benzo(a)anthracene											
Chrysene											
Benzo(b)fluoranthene	X	X		X	X						
Benzo(k)fluoranthene	X	X	X		X						
Benzo(a)pyrene	X			X							
Indeno(1,2,3-cd)pyrene		X									
Dibenzo(a,h)anthracene											
Benzo(g,h,i)perylene											
1,4-Dichlorobenzene-d4											
Nahthalene-d8											
Acenapthene-d10				X							
Phenanthrene-d10											
Chrysene-d12											
Perylene-d12											
2-fluorophenol											
Phenol-d5											
Nitrobenzene-d5											
2,4,6-Tribromophenol											
2-Fluorobiphenyl				X							
Terphenyl-d14											
"X" Denotes a manual integration for the compound											

GC and GC/MS Column and Trap Specifications Table

SDG #:	1005133							
			COLUMNS					
Columns Utilized	Brand Name	Coating Material		ID (mm)	Film Thickness (um)			Length (m)
	GC Laboratory							
	Restek	RTX-5		0.53	1.0			30
	Restek	RTX-SMS		0.53	1.0			30
	Restek	clpest		0.32	0.5			30
	Restek	clpest2		0.32	0.42			30
	J&W	DB-210		0.53	1.0			30
	J&W	GS-GASPRO		0.32	N/A			30
	GC Volatiles Laboratory							
	Restek	RTX-Volatiles		0.53	2.0			30
	GC/MS Volatiles Laboratory							
	Restek	RTX-VMS		0.18	1.0			20
	Supelco	SPB-624		0.32	1.8			60
	Supelco	SPB-624		0.53	3.0			75
	Phenomonex	ZB-624		0.32	1.8			60
	GC/MS Semivolatiles Laboratory							
X	Restek	RTX-5MS		0.32	0.25			30
	Phenomonex	ZB-5MS		0.32	0.25			30
	HPLC Laboratory							
	Supelco	Supelcosil LC-PAH		4.6	5.0			15 cm
	Supelco	Discovery RP Amide C16		4.6	5.0			25 cm
	Restek	Pinnacle Cyano		4.6	5.0			25 cm
	Restek	Allure C18		4.6	5.0			25 cm
			TRAPS *					
	GC and GC/MS Volatiles Laboratory							
	Supelco J (BETXTRAP™)		* 7.7 cm Carbopack C					
			* 1.2 cm Carbopack B					
	Supelco K (Vocarb3000)		* 10 cm of Carbopack B (Graphitized Carbons)					
			* 6 cm of Carboxen 1000 (Carbon molecular sieves)					
			* 1 cm of Carboxen 1001 (Carbon molecular sieves)					
								Rev. 28

* This table contains the GC columns (and volatile organic trap) used for the analysis of volatiles, semi-voaltiles, pesticides, and Aroclors by the SOM01.2 SOW.

Please see the SDG Narrative(s) for the specific fractions(s) relative to this SDG.

CompuChem

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CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.).

Revision 6 (12/6/2005)

CompuChem

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Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC chemists. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC analysis. The manual editing/integration flags are:

M - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak.

H - Denotes that the data reviewer, GC/MS operator, or GC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

MH - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.

L - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

The EPA CLP SOW documents require additional explanations for manual editing/integration. In the accompanying raw data packages, additional codes have been applied to the "M" flag and carry the following meanings;

M1 - The compound was not found by the automatic integration routine.

M2 - The compound was incorrectly integrated by the automatic integration routine.

M3 - The co-eluting compounds were incorrectly integrated by the automatic integration routine.

These codes will appear in the GC/MS and GC raw data.

DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each compound. The qualifiers used are:

U : This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J : This flag indicates an estimated value. The flag is used as detailed below:

1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1:1 is assumed for the TIC analyte,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide and/or Aroclor or other GC or HPLC identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.

N : This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search and must be used with the J flag. For generic characterization of a TIC such as "chlorinated hydrocarbon" (or for an "unknown," with no matches ≥85% in the SOM01.1 SOW), the N flag is not used.

P : In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the Form I and flagged with a P.
For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the higher of the two values is reported and flagged with a P. When the RPD is equal to or less than 40%, our policy is to also report the higher of the two values, although the choice could be a project specific issue. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

DATA REPORTING QUALIFIERS (continued)

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations (responses in the SOM01.1 SOW) exceed the upper level of the calibration range (exceed the response of the high ICAL standard in the SOM01.1 SOW) of the instrument for that specific analysis. If one or more compounds have a response greater than the upper level of the calibration range (greater than the response of the highest ICAL standard in the SOM01.1 SOW), the sample or extract will be diluted and reanalyzed. All such compounds with a response greater than the upper level of the calibration range (with responses greater than the response of the highest ICAL standard in the SOM01.1 SOW) will have the concentration (result in the SOM01.1 SOW) flagged with an E on Form I for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration (response in the SOM01.1 SOW) of an analyte exceeds the upper calibration range (exceeds the response of the highest ICAL standard in the SOM01.1 SOW), the DL suffix is appended to the sample number on the Form I for the more diluted sample, and **all** reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.

NOTE 1: The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.

NOTE 2: Separate Forms I are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses <u>are not combined</u> on a single Form I.

A: This flag indicates that a TIC is a suspected aldol-condensation product.

S: In the SOM01.1 SOW, this flag is used to indicate an estimated value for Aroclor target compounds where a valid 5-point initial calibration was not performed prior to the analytes detection in a sample. If an "S" flag is used for a specific Aroclor, then a reanalysis of the sample is required after a valid 5-point calibration is performed for the detected Aroclor.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y, and Z.

B. Form I

Organic Analysis Data Sheet (OADS)
- All samples in alphanumeric order
- Matrix Spike/Matrix Spike Duplicate
- Laboratory Control Sample(s)

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SB61-6-7

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/18/10

Lab Sample ID: 1005133-09
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005133-09A66
Analyst: MEW

% Moisture: 14 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK1

Date Extracted: 05/24/10
Date Analyzed: 06/24/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.83	9.7	ND	U
91-57-6	2-Methylnaphthalene	0.79	9.7	ND	U
208-96-8	Acenaphthylene	0.62	9.7	ND	U
83-32-9	Acenaphthene	0.70	9.7	ND	U
86-73-7	Fluorene	0.52	9.7	ND	U
85-01-8	Phenanthrene	1.5	9.7	ND	U
120-12-7	Anthracene	0.50	9.7	ND	U
206-44-0	Fluoranthene	1.6	9.7	ND	U
129-00-0	Pyrene	0.66	9.7	ND	U
56-55-3	Benzo(a)anthracene	0.66	9.7	ND	U
218-01-9	Chrysene	0.74	9.7	ND	U
205-99-2	Benzo(b)fluoranthene	0.66	9.7	ND	U
207-08-9	Benzo(k)fluoranthene	0.50	9.7	ND	U
50-32-8	Benzo(a)pyrene	0.45	9.7	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.43	9.7	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.39	9.7	ND	U
191-24-2	Benzo(g,h,i)perylene	0.45	9.7	ND	U

ND = Not Detected
Q = Qualifier

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SB61D-6-7

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/18/10

Lab Sample ID: 1005133-10
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005133-10J3A66
Analyst: OWS

% Moisture: 14 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK1

Date Extracted: 05/24/10
Date Analyzed: 06/30/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.83	9.7	1.2	J
91-57-6	2-Methylnaphthalene	0.79	9.7	ND	U
208-96-8	Acenaphthylene	0.62	9.7	ND	U
83-32-9	Acenaphthene	0.70	9.7	ND	U
86-73-7	Fluorene	0.52	9.7	ND	U
85-01-8	Phenanthrene	1.5	9.7	ND	U
120-12-7	Anthracene	0.50	9.7	ND	U
206-44-0	Fluoranthene	1.6	9.7	ND	U
129-00-0	Pyrene	0.66	9.7	ND	U
56-55-3	Benzo(a)anthracene	0.66	9.7	ND	U
218-01-9	Chrysene	0.74	9.7	ND	U
205-99-2	Benzo(b)fluoranthene	0.66	9.7	ND	U
207-08-9	Benzo(k)fluoranthene	0.50	9.7	ND	U
50-32-8	Benzo(a)pyrene	0.45	9.7	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.43	9.7	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.39	9.7	ND	U
191-24-2	Benzo(g,h,i)perylene	0.45	9.7	ND	U

ND = Not Detected
Q = Qualifier

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SB63-5.5-6.5

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/18/10

Lab Sample ID: 1005133-06
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005133-06A66
Analyst: MEW

% Moisture: 17 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK1

Date Extracted: 05/24/10
Date Analyzed: 06/24/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.86	10	ND	U
91-57-6	2-Methylnaphthalene	0.82	10	ND	U
208-96-8	Acenaphthylene	0.64	10	ND	U
83-32-9	Acenaphthene	0.72	10	ND	U
86-73-7	Fluorene	0.54	10	ND	U
85-01-8	Phenanthrene	1.6	10	2.4	J
120-12-7	Anthracene	0.52	10	ND	U
206-44-0	Fluoranthene	1.6	10	2.1	J
129-00-0	Pyrene	0.68	10	2.5	J
56-55-3	Benzo(a)anthracene	0.68	10	0.91	J
218-01-9	Chrysene	0.76	10	1.1	J
205-99-2	Benzo(b)fluoranthene	0.68	10	ND	U
207-08-9	Benzo(k)fluoranthene	0.52	10	ND	U
50-32-8	Benzo(a)pyrene	0.46	10	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.44	10	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.40	10	ND	U
191-24-2	Benzo(g,h,i)perylene	0.46	10	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SB72-2-3

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/19/10

Lab Sample ID: 1005133-13
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005133-13J2A70
Analyst: OWS

% Moisture: 13 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK2

Date Extracted: 05/24/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.82	9.5	0.97	J
91-57-6	2-Methylnaphthalene	0.79	9.5	ND	U
208-96-8	Acenaphthylene	0.61	9.5	ND	U
83-32-9	Acenaphthene	0.69	9.5	ND	U
86-73-7	Fluorene	0.52	9.5	ND	U
85-01-8	Phenanthrene	1.5	9.5	4.3	J
120-12-7	Anthracene	0.50	9.5	1.0	J
206-44-0	Fluoranthene	1.5	9.5	4.0	J
129-00-0	Pyrene	0.65	9.5	3.5	J
56-55-3	Benzo(a)anthracene	0.65	9.5	1.6	J
218-01-9	Chrysene	0.73	9.5	1.6	J
205-99-2	Benzo(b)fluoranthene	0.65	9.5	ND	U
207-08-9	Benzo(k)fluoranthene	0.50	9.5	ND	U
50-32-8	Benzo(a)pyrene	0.44	9.5	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.42	9.5	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.38	9.5	ND	U
191-24-2	Benzo(g,h,i)perylene	0.44	9.5	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SB74-4-5

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/17/10

Lab Sample ID: 1005133-02
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005133-02J3A66
Analyst: OWS

% Moisture: 8 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK1

Date Extracted: 05/24/10
Date Analyzed: 06/30/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.78	9.0	ND	U
91-57-6	2-Methylnaphthalene	0.74	9.0	ND	U
208-96-8	Acenaphthylene	0.58	9.0	ND	U
83-32-9	Acenaphthene	0.65	9.0	ND	U
86-73-7	Fluorene	0.49	9.0	ND	U
85-01-8	Phenanthrene	1.4	9.0	ND	U
120-12-7	Anthracene	0.47	9.0	ND	U
206-44-0	Fluoranthene	1.4	9.0	ND	U
129-00-0	Pyrene	0.62	9.0	ND	U
56-55-3	Benzo(a)anthracene	0.62	9.0	ND	U
218-01-9	Chrysene	0.69	9.0	ND	U
205-99-2	Benzo(b)fluoranthene	0.62	9.0	ND	U
207-08-9	Benzo(k)fluoranthene	0.47	9.0	ND	U
50-32-8	Benzo(a)pyrene	0.42	9.0	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.40	9.0	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.36	9.0	ND	U
191-24-2	Benzo(g,h,i)perylene	0.42	9.0	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SB75-3.5-4.5

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/17/10

Lab Sample ID: 1005133-04
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005133-04JA66
Analyst: MEW

% Moisture: 15 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK1

Date Extracted: 05/24/10
Date Analyzed: 06/24/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.84	9.8	ND	U
91-57-6	2-Methylnaphthalene	0.80	9.8	ND	U
208-96-8	Acenaphthylene	0.63	9.8	ND	U
83-32-9	Acenaphthene	0.71	9.8	ND	U
86-73-7	Fluorene	0.53	9.8	ND	U
85-01-8	Phenanthrene	1.5	9.8	ND	U
120-12-7	Anthracene	0.51	9.8	ND	U
206-44-0	Fluoranthene	1.6	9.8	ND	U
129-00-0	Pyrene	0.67	9.8	ND	U
56-55-3	Benzo(a)anthracene	0.67	9.8	ND	U
218-01-9	Chrysene	0.75	9.8	ND	U
205-99-2	Benzo(b)fluoranthene	0.67	9.8	ND	U
207-08-9	Benzo(k)fluoranthene	0.51	9.8	ND	U
50-32-8	Benzo(a)pyrene	0.45	9.8	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.43	9.8	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.39	9.8	ND	U
191-24-2	Benzo(g,h,i)perylene	0.45	9.8	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SB76-6-7

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/19/10

Lab Sample ID: 1005133-17
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005133-17JA70
Analyst: OWS

% Moisture: 17 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK2

Date Extracted: 05/24/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.86	10	ND	U
91-57-6	2-Methylnaphthalene	0.82	10	ND	U
208-96-8	Acenaphthylene	0.64	10	ND	U
83-32-9	Acenaphthene	0.72	10	ND	U
86-73-7	Fluorene	0.54	10	ND	U
85-01-8	Phenanthrene	1.6	10	ND	U
120-12-7	Anthracene	0.52	10	ND	U
206-44-0	Fluoranthene	1.6	10	ND	U
129-00-0	Pyrene	0.68	10	ND	U
56-55-3	Benzo(a)anthracene	0.68	10	ND	U
218-01-9	Chrysene	0.76	10	ND	U
205-99-2	Benzo(b)fluoranthene	0.68	10	ND	U
207-08-9	Benzo(k)fluoranthene	0.52	10	ND	U
50-32-8	Benzo(a)pyrene	0.46	10	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.44	10	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.40	10	ND	U
191-24-2	Benzo(g,h,i)perylene	0.46	10	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SB87-3-4

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/19/10

Lab Sample ID: 1005133-19
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005133-19JA70
Analyst: OWS

% Moisture: 27 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK2

Date Extracted: 05/24/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.98	11	ND	U
91-57-6	2-Methylnaphthalene	0.94	11	ND	U
208-96-8	Acenaphthylene	0.73	11	ND	U
83-32-9	Acenaphthene	0.82	11	ND	U
86-73-7	Fluorene	0.62	11	ND	U
85-01-8	Phenanthrene	1.8	11	ND	U
120-12-7	Anthracene	0.59	11	ND	U
206-44-0	Fluoranthene	1.8	11	ND	U
129-00-0	Pyrene	0.78	11	ND	U
56-55-3	Benzo(a)anthracene	0.78	11	ND	U
218-01-9	Chrysene	0.87	11	ND	U
205-99-2	Benzo(b)fluoranthene	0.78	11	ND	U
207-08-9	Benzo(k)fluoranthene	0.59	11	ND	U
50-32-8	Benzo(a)pyrene	0.53	11	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.50	11	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.46	11	ND	U
191-24-2	Benzo(g,h,i)perylene	0.53	11	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SB88-2.5-3.5

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/19/10

Lab Sample ID: 1005133-15
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005133-15JA70
Analyst: OWS

% Moisture: 27 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK2

Date Extracted: 05/24/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.98	11	ND	U
91-57-6	2-Methylnaphthalene	0.94	11	ND	U
208-96-8	Acenaphthylene	0.73	11	ND	U
83-32-9	Acenaphthene	0.82	11	ND	U
86-73-7	Fluorene	0.62	11	ND	U
85-01-8	Phenanthrene	1.8	11	ND	U
120-12-7	Anthracene	0.59	11	ND	U
206-44-0	Fluoranthene	1.8	11	ND	U
129-00-0	Pyrene	0.78	11	ND	U
56-55-3	Benzo(a)anthracene	0.78	11	ND	U
218-01-9	Chrysene	0.87	11	ND	U
205-99-2	Benzo(b)fluoranthene	0.78	11	ND	U
207-08-9	Benzo(k)fluoranthene	0.59	11	ND	U
50-32-8	Benzo(a)pyrene	0.53	11	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.50	11	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.46	11	ND	U
191-24-2	Benzo(g,h,i)perylene	0.53	11	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SS61-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/18/10

Lab Sample ID: 1005133-07
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005133-07A66
Analyst: MEW

% Moisture: 8 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK1

Date Extracted: 05/24/10
Date Analyzed: 06/24/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.78	9.0	ND	U
91-57-6	2-Methylnaphthalene	0.74	9.0	ND	U
208-96-8	Acenaphthylene	0.58	9.0	ND	U
83-32-9	Acenaphthene	0.65	9.0	ND	U
86-73-7	Fluorene	0.49	9.0	ND	U
85-01-8	Phenanthrene	1.4	9.0	ND	U
120-12-7	Anthracene	0.47	9.0	ND	U
206-44-0	Fluoranthene	1.4	9.0	ND	U
129-00-0	Pyrene	0.62	9.0	ND	U
56-55-3	Benzo(a)anthracene	0.62	9.0	ND	U
218-01-9	Chrysene	0.69	9.0	ND	U
205-99-2	Benzo(b)fluoranthene	0.62	9.0	ND	U
207-08-9	Benzo(k)fluoranthene	0.47	9.0	ND	U
50-32-8	Benzo(a)pyrene	0.42	9.0	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.40	9.0	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.36	9.0	ND	U
191-24-2	Benzo(g,h,i)perylene	0.42	9.0	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SS61D-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/18/10

Lab Sample ID: 1005133-08
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005133-08A66
Analyst: MEW

% Moisture: 7 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK1

Date Extracted: 05/24/10
Date Analyzed: 06/24/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.77	8.9	0.80	J
91-57-6	2-Methylnaphthalene	0.73	8.9	ND	U
208-96-8	Acenaphthylene	0.57	8.9	ND	U
83-32-9	Acenaphthene	0.65	8.9	ND	U
86-73-7	Fluorene	0.48	8.9	ND	U
85-01-8	Phenanthrene	1.4	8.9	ND	U
120-12-7	Anthracene	0.47	8.9	ND	U
206-44-0	Fluoranthene	1.4	8.9	ND	U
129-00-0	Pyrene	0.61	8.9	ND	U
56-55-3	Benzo(a)anthracene	0.61	8.9	ND	U
218-01-9	Chrysene	0.68	8.9	ND	U
205-99-2	Benzo(b)fluoranthene	0.61	8.9	ND	U
207-08-9	Benzo(k)fluoranthene	0.47	8.9	ND	U
50-32-8	Benzo(a)pyrene	0.41	8.9	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.39	8.9	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.36	8.9	ND	U
191-24-2	Benzo(g,h,i)perylene	0.41	8.9	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SS63-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/18/10

Lab Sample ID: 1005133-05
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005133-05C66
Analyst: 2743

% Moisture: 6 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK1

Date Extracted: 05/24/10
Date Analyzed: 06/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.76	8.8	0.91	J
91-57-6	2-Methylnaphthalene	0.73	8.8	ND	U
208-96-8	Acenaphthylene	0.57	8.8	ND	U
83-32-9	Acenaphthene	0.64	8.8	ND	U
86-73-7	Fluorene	0.48	8.8	ND	U
85-01-8	Phenanthrene	1.4	8.8	2.0	J
120-12-7	Anthracene	0.46	8.8	ND	U
206-44-0	Fluoranthene	1.4	8.8	1.6	J
129-00-0	Pyrene	0.60	8.8	0.99	J
56-55-3	Benzo(a)anthracene	0.60	8.8	0.69	J
218-01-9	Chrysene	0.67	8.8	1.0	J
205-99-2	Benzo(b)fluoranthene	0.60	8.8	0.96	J
207-08-9	Benzo(k)fluoranthene	0.46	8.8	0.70	J
50-32-8	Benzo(a)pyrene	0.41	8.8	0.43	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.39	8.8	0.48	J
53-70-3	Dibenzo(a,h)anthracene	0.35	8.8	ND	U
191-24-2	Benzo(g,h,i)perylene	0.41	8.8	0.46	J

ND = Not Detected
Q = Qualifier

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SS67-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/18/10

Lab Sample ID: 1005133-11
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005133-11J2A70
Analyst: OWS

% Moisture: 55 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK2

Date Extracted: 05/24/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	1.6	18	5.1	J
91-57-6	2-Methylnaphthalene	1.5	18	2.1	J
208-96-8	Acenaphthylene	1.2	18	ND	U
83-32-9	Acenaphthene	1.3	18	1.5	J
86-73-7	Fluorene	1.0	18	1.1	J
85-01-8	Phenanthrene	2.9	18	7.6	J
120-12-7	Anthracene	0.96	18	3.4	J
206-44-0	Fluoranthene	3.0	18	22	
129-00-0	Pyrene	1.3	18	17	J
56-55-3	Benzo(a)anthracene	1.3	18	6.3	J
218-01-9	Chrysene	1.4	18	9.8	J
205-99-2	Benzo(b)fluoranthene	1.3	18	7.8	J
207-08-9	Benzo(k)fluoranthene	0.96	18	4.7	J
50-32-8	Benzo(a)pyrene	0.85	18	5.7	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.81	18	11	J
53-70-3	Dibenzo(a,h)anthracene	0.74	18	ND	U
191-24-2	Benzo(g,h,i)perylene	0.85	18	2.3	J

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SS68-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005133-20
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005133-20JA70
Analyst: OWS

% Moisture: 15 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK2

Date Extracted: 05/24/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.84	9.8	1.5	J
91-57-6	2-Methylnaphthalene	0.80	9.8	ND	U
208-96-8	Acenaphthylene	0.63	9.8	ND	U
83-32-9	Acenaphthene	0.71	9.8	ND	U
86-73-7	Fluorene	0.53	9.8	ND	U
85-01-8	Phenanthrene	1.5	9.8	2.4	J
120-12-7	Anthracene	0.51	9.8	ND	U
206-44-0	Fluoranthene	1.6	9.8	ND	U
129-00-0	Pyrene	0.67	9.8	1.3	J
56-55-3	Benzo(a)anthracene	0.67	9.8	0.68	J
218-01-9	Chrysene	0.75	9.8	1.3	J
205-99-2	Benzo(b)fluoranthene	0.67	9.8	1.6	J
207-08-9	Benzo(k)fluoranthene	0.51	9.8	0.61	J
50-32-8	Benzo(a)pyrene	0.45	9.8	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.43	9.8	5.1	J
53-70-3	Dibenzo(a,h)anthracene	0.39	9.8	ND	U
191-24-2	Benzo(g,h,i)perylene	0.45	9.8	ND	U

ND = Not Detected
Q = Qualifier

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SS72-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/19/10

Lab Sample ID: 1005133-12
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005133-12A66
Analyst: MEW

% Moisture: 4 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK1

Date Extracted: 05/24/10
Date Analyzed: 06/25/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.75	8.6	1.2	J
91-57-6	2-Methylnaphthalene	0.71	8.6	ND	U
208-96-8	Acenaphthylene	0.56	8.6	ND	U
83-32-9	Acenaphthene	0.62	8.6	ND	U
86-73-7	Fluorene	0.47	8.6	ND	U
85-01-8	Phenanthrene	1.4	8.6	2.4	J
120-12-7	Anthracene	0.45	8.6	ND	U
206-44-0	Fluoranthene	1.4	8.6	3.4	J
129-00-0	Pyrene	0.59	8.6	3.4	J
56-55-3	Benzo(a)anthracene	0.59	8.6	1.6	J
218-01-9	Chrysene	0.66	8.6	2.1	J
205-99-2	Benzo(b)fluoranthene	0.59	8.6	ND	U
207-08-9	Benzo(k)fluoranthene	0.45	8.6	ND	U
50-32-8	Benzo(a)pyrene	0.40	8.6	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	8.6	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.35	8.6	ND	U
191-24-2	Benzo(g,h,i)perylene	0.40	8.6	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SS73-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/14/10

Lab Sample ID: 1005133-01
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/14/10
Lab File ID: 1005133-01JC66
Analyst: 2743

% Moisture: 4 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0051920-BLK1

Date Extracted: 05/20/10
Date Analyzed: 05/26/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.75	8.6	0.92	JB
91-57-6	2-Methylnaphthalene	0.71	8.6	ND	U
208-96-8	Acenaphthylene	0.56	8.6	ND	U
83-32-9	Acenaphthene	0.62	8.6	ND	U
86-73-7	Fluorene	0.47	8.6	ND	U
85-01-8	Phenanthrene	1.4	8.6	1.6	J
120-12-7	Anthracene	0.45	8.6	ND	U
206-44-0	Fluoranthene	1.4	8.6	4.0	J
129-00-0	Pyrene	0.59	8.6	3.7	J
56-55-3	Benzo(a)anthracene	0.59	8.6	2.5	J
218-01-9	Chrysene	0.66	8.6	2.5	J
205-99-2	Benzo(b)fluoranthene	0.59	8.6	2.7	J
207-08-9	Benzo(k)fluoranthene	0.45	8.6	2.5	J
50-32-8	Benzo(a)pyrene	0.40	8.6	2.4	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	8.6	1.6	J
53-70-3	Dibenzo(a,h)anthracene	0.35	8.6	0.45	J
191-24-2	Benzo(g,h,i)perylene	0.40	8.6	1.2	J

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SS75-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/17/10

Lab Sample ID: 1005133-03
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005133-03C66
Analyst: 2743

% Moisture: 15 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK1

Date Extracted: 05/24/10
Date Analyzed: 06/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.84	9.8	1.0	J
91-57-6	2-Methylnaphthalene	0.80	9.8	ND	U
208-96-8	Acenaphthylene	0.63	9.8	ND	U
83-32-9	Acenaphthene	0.71	9.8	ND	U
86-73-7	Fluorene	0.53	9.8	ND	U
85-01-8	Phenanthrene	1.5	9.8	1.6	J
120-12-7	Anthracene	0.51	9.8	ND	U
206-44-0	Fluoranthene	1.6	9.8	1.6	J
129-00-0	Pyrene	0.67	9.8	1.5	J
56-55-3	Benzo(a)anthracene	0.67	9.8	0.86	J
218-01-9	Chrysene	0.75	9.8	0.93	J
205-99-2	Benzo(b)fluoranthene	0.67	9.8	0.84	J
207-08-9	Benzo(k)fluoranthene	0.51	9.8	0.84	J
50-32-8	Benzo(a)pyrene	0.45	9.8	0.65	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.43	9.8	0.52	J
53-70-3	Dibenzo(a,h)anthracene	0.39	9.8	ND	U
191-24-2	Benzo(g,h,i)perylene	0.45	9.8	0.50	J

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SS76-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/19/10

Lab Sample ID: 1005133-16
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005133-16JA70
Analyst: OWS

% Moisture: 3 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK2

Date Extracted: 05/24/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.74	8.6	ND	U
91-57-6	2-Methylnaphthalene	0.70	8.6	ND	U
208-96-8	Acenaphthylene	0.55	8.6	ND	U
83-32-9	Acenaphthene	0.62	8.6	ND	U
86-73-7	Fluorene	0.46	8.6	ND	U
85-01-8	Phenanthrene	1.4	8.6	2.0	J
120-12-7	Anthracene	0.45	8.6	ND	U
206-44-0	Fluoranthene	1.4	8.6	3.6	J
129-00-0	Pyrene	0.58	8.6	3.1	J
56-55-3	Benzo(a)anthracene	0.58	8.6	2.7	J
218-01-9	Chrysene	0.65	8.6	2.9	J
205-99-2	Benzo(b)fluoranthene	0.58	8.6	3.5	J
207-08-9	Benzo(k)fluoranthene	0.45	8.6	2.2	J
50-32-8	Benzo(a)pyrene	0.40	8.6	2.7	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	8.6	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.34	8.6	ND	U
191-24-2	Benzo(g,h,i)perylene	0.40	8.6	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SS87-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/19/10

Lab Sample ID: 1005133-18
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005133-18JA70
Analyst: OWS

% Moisture: 21 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK2

Date Extracted: 05/24/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.91	11	1.2	J
91-57-6	2-Methylnaphthalene	0.86	11	ND	U
208-96-8	Acenaphthylene	0.68	11	ND	U
83-32-9	Acenaphthene	0.76	11	ND	U
86-73-7	Fluorene	0.57	11	ND	U
85-01-8	Phenanthrene	1.7	11	ND	U
120-12-7	Anthracene	0.55	11	ND	U
206-44-0	Fluoranthene	1.7	11	ND	U
129-00-0	Pyrene	0.72	11	0.76	J
56-55-3	Benzo(a)anthracene	0.72	11	ND	U
218-01-9	Chrysene	0.80	11	ND	U
205-99-2	Benzo(b)fluoranthene	0.72	11	0.79	J
207-08-9	Benzo(k)fluoranthene	0.55	11	ND	U
50-32-8	Benzo(a)pyrene	0.49	11	0.51	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.46	11	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.42	11	ND	U
191-24-2	Benzo(g,h,i)perylene	0.49	11	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SS88-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/19/10

Lab Sample ID: 1005133-14
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005133-14J2A70
Analyst: OWS

% Moisture: 9 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK2

Date Extracted: 05/24/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.79	9.1	1.2	J
91-57-6	2-Methylnaphthalene	0.75	9.1	ND	U
208-96-8	Acenaphthylene	0.59	9.1	1.2	J
83-32-9	Acenaphthene	0.66	9.1	ND	U
86-73-7	Fluorene	0.49	9.1	ND	U
85-01-8	Phenanthrene	1.4	9.1	2.4	J
120-12-7	Anthracene	0.48	9.1	0.62	J
206-44-0	Fluoranthene	1.5	9.1	3.9	J
129-00-0	Pyrene	0.62	9.1	3.5	J
56-55-3	Benzo(a)anthracene	0.62	9.1	2.3	J
218-01-9	Chrysene	0.70	9.1	3.2	J
205-99-2	Benzo(b)fluoranthene	0.62	9.1	3.1	J
207-08-9	Benzo(k)fluoranthene	0.48	9.1	2.4	J
50-32-8	Benzo(a)pyrene	0.42	9.1	2.8	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.40	9.1	6.7	J
53-70-3	Dibenzo(a,h)anthracene	0.37	9.1	ND	U
191-24-2	Benzo(g,h,i)perylene	0.42	9.1	2.9	J

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SS73-0-1MS

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/14/10

Lab Sample ID: 0051920-MS2
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/14/10
Lab File ID: 0051920-MS2JC66
Analyst: 2743

% Moisture: 4 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0051920-BLK1

Date Extracted: 05/20/10
Date Analyzed: 05/26/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.75	8.6	12	B
91-57-6	2-Methylnaphthalene	0.71	8.6	11	
208-96-8	Acenaphthylene	0.56	8.6	14	
83-32-9	Acenaphthene	0.62	8.6	13	
86-73-7	Fluorene	0.47	8.6	8.1	J
85-01-8	Phenanthrene	1.4	8.6	13	
120-12-7	Anthracene	0.45	8.6	13	
206-44-0	Fluoranthene	1.4	8.6	16	
129-00-0	Pyrene	0.59	8.6	15	
56-55-3	Benzo(a)anthracene	0.59	8.6	15	
218-01-9	Chrysene	0.66	8.6	14	
205-99-2	Benzo(b)fluoranthene	0.59	8.6	14	
207-08-9	Benzo(k)fluoranthene	0.45	8.6	14	
50-32-8	Benzo(a)pyrene	0.40	8.6	13	
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	8.6	9.1	
53-70-3	Dibenzo(a,h)anthracene	0.35	8.6	8.0	J
191-24-2	Benzo(g,h,i)perylene	0.40	8.6	8.1	J

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SS73-0-1MSD

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/14/10

Lab Sample ID: 0051920-MSD2
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/14/10
Lab File ID: 0051920-MSD2JC66
Analyst: 2743

% Moisture: 4 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0051920-BLK1

Date Extracted: 05/20/10
Date Analyzed: 05/26/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.75	8.6	13	B
91-57-6	2-Methylnaphthalene	0.71	8.6	12	
208-96-8	Acenaphthylene	0.56	8.6	15	
83-32-9	Acenaphthene	0.62	8.6	14	
86-73-7	Fluorene	0.47	8.6	7.3	J
85-01-8	Phenanthrene	1.4	8.6	15	
120-12-7	Anthracene	0.45	8.6	15	
206-44-0	Fluoranthene	1.4	8.6	19	
129-00-0	Pyrene	0.59	8.6	18	
56-55-3	Benzo(a)anthracene	0.59	8.6	17	
218-01-9	Chrysene	0.66	8.6	16	
205-99-2	Benzo(b)fluoranthene	0.59	8.6	17	
207-08-9	Benzo(k)fluoranthene	0.45	8.6	17	
50-32-8	Benzo(a)pyrene	0.40	8.6	15	
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	8.6	11	
53-70-3	Dibenzo(a,h)anthracene	0.35	8.6	9.9	
191-24-2	Benzo(g,h,i)perylene	0.40	8.6	10	

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SBPLCS

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0051920-BS1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0051920-BS1JC66
Analyst: 2743

% Moisture: 0 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0051920-BLK1

Date Extracted: 05/20/10
Date Analyzed: 05/26/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	10	B
91-57-6	2-Methylnaphthalene	0.68	8.3	9.3	
208-96-8	Acenaphthylene	0.53	8.3	10	
83-32-9	Acenaphthene	0.60	8.3	10	
86-73-7	Fluorene	0.45	8.3	8.6	
85-01-8	Phenanthrene	1.3	8.3	12	
120-12-7	Anthracene	0.43	8.3	11	
206-44-0	Fluoranthene	1.3	8.3	11	
129-00-0	Pyrene	0.57	8.3	11	
56-55-3	Benzo(a)anthracene	0.57	8.3	14	
218-01-9	Chrysene	0.63	8.3	13	
205-99-2	Benzo(b)fluoranthene	0.57	8.3	13	
207-08-9	Benzo(k)fluoranthene	0.43	8.3	13	
50-32-8	Benzo(a)pyrene	0.38	8.3	11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	11	
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	11	
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	9.7	

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SBPLCSD

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0051920-BSD1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0051920-BSD1A66
Analyst: 2730

% Moisture: 0 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0051920-BLK1

Date Extracted: 05/20/10
Date Analyzed: 05/26/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	13	B
91-57-6	2-Methylnaphthalene	0.68	8.3	12	
208-96-8	Acenaphthylene	0.53	8.3	12	
83-32-9	Acenaphthene	0.60	8.3	13	
86-73-7	Fluorene	0.45	8.3	12	
85-01-8	Phenanthrene	1.3	8.3	15	
120-12-7	Anthracene	0.43	8.3	13	
206-44-0	Fluoranthene	1.3	8.3	11	
129-00-0	Pyrene	0.57	8.3	12	
56-55-3	Benzo(a)anthracene	0.57	8.3	16	
218-01-9	Chrysene	0.63	8.3	16	
205-99-2	Benzo(b)fluoranthene	0.57	8.3	16	
207-08-9	Benzo(k)fluoranthene	0.43	8.3	16	
50-32-8	Benzo(a)pyrene	0.38	8.3	14	
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	15	
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	15	
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	14	

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SCGLCS

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0052409-BS1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0052409-BS1JC66
Analyst: 2743

% Moisture: 0 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK1

Date Extracted: 05/24/10
Date Analyzed: 06/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	13	
91-57-6	2-Methylnaphthalene	0.68	8.3	14	
208-96-8	Acenaphthylene	0.53	8.3	13	
83-32-9	Acenaphthene	0.60	8.3	13	
86-73-7	Fluorene	0.45	8.3	13	
85-01-8	Phenanthrene	1.3	8.3	14	
120-12-7	Anthracene	0.43	8.3	17	
206-44-0	Fluoranthene	1.3	8.3	16	
129-00-0	Pyrene	0.57	8.3	15	
56-55-3	Benzo(a)anthracene	0.57	8.3	15	
218-01-9	Chrysene	0.63	8.3	16	
205-99-2	Benzo(b)fluoranthene	0.57	8.3	13	
207-08-9	Benzo(k)fluoranthene	0.43	8.3	18	
50-32-8	Benzo(a)pyrene	0.38	8.3	15	
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	12	
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	14	
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	13	

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SCGLCSD

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0052409-BSD1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0052409-BSD1C66
Analyst: 2743

% Moisture: 0 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK1

Date Extracted: 05/24/10
Date Analyzed: 06/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	12	
91-57-6	2-Methylnaphthalene	0.68	8.3	12	
208-96-8	Acenaphthylene	0.53	8.3	12	
83-32-9	Acenaphthene	0.60	8.3	11	
86-73-7	Fluorene	0.45	8.3	11	
85-01-8	Phenanthrene	1.3	8.3	12	
120-12-7	Anthracene	0.43	8.3	15	
206-44-0	Fluoranthene	1.3	8.3	16	
129-00-0	Pyrene	0.57	8.3	15	
56-55-3	Benzo(a)anthracene	0.57	8.3	15	
218-01-9	Chrysene	0.63	8.3	16	
205-99-2	Benzo(b)fluoranthene	0.57	8.3	12	
207-08-9	Benzo(k)fluoranthene	0.43	8.3	17	
50-32-8	Benzo(a)pyrene	0.38	8.3	14	
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	11	
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	14	
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	12	

ND = Not Detected
Q = Qualifier

FORM I SV-1

C. Form II

Surrogate spike analysis

- By level (low, medium) -

FORM 2
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Level: (low/med) LOW

	CLIENT SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	SBPLCSD	73	56	78						0
02	SBLKBP	68	70	85						0
03	SBPLCS	57	56	72						0
04	SS73-0-1MS	66	70	67						0
05	SS73-0-1MSD	75	74	83						0
06	SS73-0-1	68	72	75						0
07	SBLKCG	61	52	89						0
08	SCGLCSD	83	54	91						0
09	SCGLCS	85	55	86						0
10	SS75-0-1	54	48	78						0
11	SS63-0-1	71	62	82						0
12	SB75-3.5-4.5	46	50	119						0
13	SB63-5.5-6.5	45	46	102						0
14	SS61-0-1	46	58	130*						1
15	SS61D-0-1	42	46	142*						1
16	SB61-6-7	46	48	128*						1
17	SS72-0-1	61	60	116						0
18	SB74-4-5	105*	55	89						1
19	SB61D-6-7	105*	60	84						1
20	SBLKGC	57	59	96						0
21	SS67-0-1	69	86	114						0
22	SB72-2-3	74	75	102						0
23	SS88-0-1	45	53	86						0
24	SB88-2.5-3.5	65	64	98						0
25	SS76-0-1	52	56	96						0
26	SB76-6-7	69	64	94						0
27	SS87-0-1	71	80	123						0
28	SB87-3-4	54	58	94						0

	QC LIMITS
S1 (NBZ) = Nitrobenzene-d5	(35-100)
S2 (FBP) = 2-Fluorobiphenyl	(45-105)
S3 (TPH) = Terphenyl-d14	(30-125)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM 2
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Level:(low/med) LOW

	CLIENT SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	SS68-0-1	68	78	106						0
02										
03										
04										
05										
06										
07										
08										
09										
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26										
27										
28										

QC LIMITS

S1 (NBZ) = Nitrobenzene-d5 (35-100)
S2 (FBP) = 2-Fluorobiphenyl (45-105)
S3 (TPH) = Terphenyl-d14 (30-125)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

D. Form III

Matrix Spike/Matrix Spike Duplicate results
- By level (low, medium) -
Laboratory Control Sample(s)

FORM 3
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix Spike - Sample No.: SS73-0-1 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Naphthalene	17.36	0.9156	12.13	65	40-105
2-Methylnaphthalene	17.36	0	10.9	63	45-105
Acenaphthylene	17.36	0	13.85	80	50-105
Acenaphthene	17.36	0	13.38	77	45-110
Fluorene	17.36	0	8.113	47*	50-110
Phenanthrene	17.36	1.561	13.48	69	50-110
Anthracene	17.36	0	12.79	74	55-105
Fluoranthene	17.36	3.971	16.19	70	55-115
Pyrene	17.36	3.685	15.12	66	45-125
Benzo(a)anthracene	17.36	2.456	14.69	70	50-110
Chrysene	17.36	2.465	13.52	64	55-110
Benzo(b)fluoranthene	17.36	2.739	13.86	64	45-115
Benzo(k)fluoranthene	17.36	2.476	14.02	66	45-125
Benzo(a)pyrene	17.36	2.422	13.11	62	50-110
Indeno(1,2,3-cd)pyrene	17.36	1.613	9.069	43	40-125
Dibenzo(a,h)anthracene	17.36	0.4465	8.03	44	40-125
Benzo(g,h,i)perylene	17.36	1.242	8.103	40	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix Spike - Sample No.: SS73-0-1 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Naphthalene	17.36	13.08	70	8	30	40-105
2-Methylnaphthalene	17.36	11.71	67	7	30	45-105
Acenaphthylene	17.36	14.63	84	5	30	50-105
Acenaphthene	17.36	14.25	82	6	30	45-110
Fluorene	17.36	7.334	42*	10	30	50-110
Phenanthrene	17.36	15.39	80	13	30	50-110
Anthracene	17.36	14.91	86	15	30	55-105
Fluoranthene	17.36	19.23	88	17	30	55-115
Pyrene	17.36	18.19	84	18	30	45-125
Benzo(a)anthracene	17.36	16.95	83	14	30	50-110
Chrysene	17.36	15.59	76	14	30	55-110
Benzo(b)fluoranthene	17.36	16.73	81	19	30	45-115
Benzo(k)fluoranthene	17.36	16.68	82	17	30	45-125
Benzo(a)pyrene	17.36	15.27	74	15	30	50-110
Indeno(1,2,3-cd)pyrene	17.36	10.99	54	19	30	40-125
Dibenzo(a,h)anthracene	17.36	9.911	55	21	30	40-125
Benzo(g,h,i)perylene	17.36	10.04	51	21	30	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 17 outside limits
Spike Recovery: 2 out of 34 outside limits

COMMENTS: _____

3D
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

SBPLCS

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix Spike - EPA Sample No.: SBPLCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Naphthalene	16.67		10.24	61	40-105
2-Methylnaphthalene	16.67		9.289	56	45-105
Acenaphthylene	16.67		10.23	61	50-105
Acenaphthene	16.67		10.44	63	45-110
Fluorene	16.67		8.554	51	50-110
Phenanthrene	16.67		11.69	70	50-110
Anthracene	16.67		11.02	66	55-105
Fluoranthene	16.67		10.75	64	55-115
Pyrene	16.67		10.95	66	45-125
Benzo(a)anthracene	16.67		13.76	83	50-110
Chrysene	16.67		12.87	77	55-110
Benzo(b)fluoranthene	16.67		13.44	81	45-115
Benzo(k)fluoranthene	16.67		12.7	76	45-125
Benzo(a)pyrene	16.67		11.38	68	50-110
Indeno(1,2,3-cd)pyrene	16.67		10.78	65	40-125
Dibenzo(a,h)anthracene	16.67		10.59	64	40-125
Benzo(g,h,i)perylene	16.67		9.696	58	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

3D
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

SBPLCS

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix Spike - EPA Sample No.: SBPLCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Naphthalene	16.67	13.41	80	27	30	40-105
2-Methylnaphthalene	16.67	12.25	73	26	30	45-105
Acenaphthylene	16.67	12.09	73	18	30	50-105
Acenaphthene	16.67	12.95	78	21	30	45-110
Fluorene	16.67	11.73	70	31*	30	50-110
Phenanthrene	16.67	14.82	89	24	30	50-110
Anthracene	16.67	13.33	80	19	30	55-105
Fluoranthene	16.67	11.27	68	6	30	55-115
Pyrene	16.67	11.56	69	4	30	45-125
Benzo(a)anthracene	16.67	16.25	97	16	30	50-110
Chrysene	16.67	16.46	99	25	30	55-110
Benzo(b)fluoranthene	16.67	15.74	94	15	30	45-115
Benzo(k)fluoranthene	16.67	15.61	94	21	30	45-125
Benzo(a)pyrene	16.67	13.93	84	21	30	50-110
Indeno(1,2,3-cd)pyrene	16.67	14.87	89	31*	30	40-125
Dibenzo(a,h)anthracene	16.67	14.81	89	33*	30	40-125
Benzo(g,h,i)perylene	16.67	14.41	86	39*	30	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 4 out of 17 outside limits
Spike Recovery: 0 out of 34 outside limits

COMMENTS: _____

3D

SOIL SEMIVOLATILE LAB CONTROL SAMPLE

SCGLCS

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix Spike - EPA Sample No.: SCGLCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Naphthalene	16.67		12.67	76	40-105
2-Methylnaphthalene	16.67		13.78	83	45-105
Acenaphthylene	16.67		13.08	78	50-105
Acenaphthene	16.67		12.51	75	45-110
Fluorene	16.67		12.52	75	50-110
Phenanthrene	16.67		13.78	83	50-110
Anthracene	16.67		16.64	100	55-105
Fluoranthene	16.67		15.75	94	55-115
Pyrene	16.67		15	90	45-125
Benzo(a)anthracene	16.67		15.47	93	50-110
Chrysene	16.67		16.38	98	55-110
Benzo(b)fluoranthene	16.67		12.78	77	45-115
Benzo(k)fluoranthene	16.67		17.58	105	45-125
Benzo(a)pyrene	16.67		14.7	88	50-110
Indeno(1,2,3-cd)pyrene	16.67		12.31	74	40-125
Dibenzo(a,h)anthracene	16.67		14.28	86	40-125
Benzo(g,h,i)perylene	16.67		13.29	80	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

3D
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Method: 8270C-SIM SCGLCS

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix Spike - EPA Sample No.: SCGLCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Naphthalene	16.67	12.42	75	1	30	40-105
2-Methylnaphthalene	16.67	12.47	75	10	30	45-105
Acenaphthylene	16.67	11.93	72	8	30	50-105
Acenaphthene	16.67	11.44	69	8	30	45-110
Fluorene	16.67	11.27	68	10	30	50-110
Phenanthrene	16.67	12.27	74	11	30	50-110
Anthracene	16.67	14.69	88	13	30	55-105
Fluoranthene	16.67	16.27	98	4	30	55-115
Pyrene	16.67	15.45	93	3	30	45-125
Benzo(a)anthracene	16.67	14.98	90	3	30	50-110
Chrysene	16.67	15.79	95	3	30	55-110
Benzo(b)fluoranthene	16.67	12.4	74	4	30	45-115
Benzo(k)fluoranthene	16.67	17.07	102	3	30	45-125
Benzo(a)pyrene	16.67	13.89	83	6	30	50-110
Indeno(1,2,3-cd)pyrene	16.67	11.48	69	7	30	40-125
Dibenzo(a,h)anthracene	16.67	13.54	81	6	30	40-125
Benzo(g,h,i)perylene	16.67	12.32	74	8	30	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 17 outside limits
Spike Recovery: 0 out of 34 outside limits

COMMENTS: _____

E. Form IV

Method Blank Results
Form IV and Form I

Method blank summary, OADS
- In chronological order of analysis

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

SBLKBP

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab File ID: 0051920-BLK1JC66 Lab Sample ID: 0051920-BLK1

Instrument ID: 5972HP66 Date Extracted: 05/20/10

Matrix: (soil/water) SOIL Date Analyzed: 05/26/10

Level:(low/med) LOW Time Analyzed: 0647

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SBPLCSD	0051920-BSD1	0051920-BSD1	05/26/10
02	SBPLCS	0051920-BS1	0051920-BS1J	05/26/10
03	SS73-0-1MS	0051920-MS2	0051920-MS2J	05/26/10
04	SS73-0-1MSD	0051920-MSD2	0051920-MSD2	05/26/10
05	SS73-0-1	1005133-01	1005133-01JC	05/26/10
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COMMENTS:

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SBLKBP

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0051920-BLK1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0051920-BLK1JC66
Analyst: 2743

% Moisture: _____ decanted: (Y/N) ___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0051920-BLK1

Date Extracted: 05/20/10
Date Analyzed: 05/26/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	0.84	J
91-57-6	2-Methylnaphthalene	0.68	8.3	ND	U
208-96-8	Acenaphthylene	0.53	8.3	ND	U
83-32-9	Acenaphthene	0.60	8.3	ND	U
86-73-7	Fluorene	0.45	8.3	ND	U
85-01-8	Phenanthrene	1.3	8.3	ND	U
120-12-7	Anthracene	0.43	8.3	ND	U
206-44-0	Fluoranthene	1.3	8.3	ND	U
129-00-0	Pyrene	0.57	8.3	ND	U
56-55-3	Benzo(a)anthracene	0.57	8.3	ND	U
218-01-9	Chrysene	0.63	8.3	ND	U
205-99-2	Benzo(b)fluoranthene	0.57	8.3	ND	U
207-08-9	Benzo(k)fluoranthene	0.43	8.3	ND	U
50-32-8	Benzo(a)pyrene	0.38	8.3	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	ND	U
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

SBLKCG

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab File ID: 0052409-BLK1C66 Lab Sample ID: 0052409-BLK1

Instrument ID: 5972HP66 Date Extracted: 05/24/10

Matrix: (soil/water) SOIL Date Analyzed: 06/02/10

Level:(low/med) LOW Time Analyzed: 0649

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SCGLCSD	0052409-BSD1	0052409-BSD1	06/02/10
02	SCGLCS	0052409-BS1	0052409-BS1J	06/02/10
03	SS75-0-1	1005133-03	1005133-03C6	06/02/10
04	SS63-0-1	1005133-05	1005133-05C6	06/02/10
05	SB75-3.5-4.5	1005133-04	1005133-04JA	06/24/10
06	SB63-5.5-6.5	1005133-06	1005133-06A6	06/24/10
07	SS61-0-1	1005133-07	1005133-07A6	06/24/10
08	SS61D-0-1	1005133-08	1005133-08A6	06/24/10
09	SB61-6-7	1005133-09	1005133-09A6	06/24/10
10	SS72-0-1	1005133-12	1005133-12A6	06/25/10
11	SB74-4-5	1005133-02	1005133-02J3	06/30/10
12	SB61D-6-7	1005133-10	1005133-10J3	06/30/10
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COMMENTS:

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SBLKCG

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0052409-BLK1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0052409-BLK1C66
Analyst: 2743

% Moisture: _____ decanted: (Y/N)___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK1

Date Extracted: 05/24/10
Date Analyzed: 06/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	ND	U
91-57-6	2-Methylnaphthalene	0.68	8.3	ND	U
208-96-8	Acenaphthylene	0.53	8.3	ND	U
83-32-9	Acenaphthene	0.60	8.3	ND	U
86-73-7	Fluorene	0.45	8.3	ND	U
85-01-8	Phenanthrene	1.3	8.3	ND	U
120-12-7	Anthracene	0.43	8.3	ND	U
206-44-0	Fluoranthene	1.3	8.3	ND	U
129-00-0	Pyrene	0.57	8.3	ND	U
56-55-3	Benzo(a)anthracene	0.57	8.3	ND	U
218-01-9	Chrysene	0.63	8.3	ND	U
205-99-2	Benzo(b)fluoranthene	0.57	8.3	ND	U
207-08-9	Benzo(k)fluoranthene	0.43	8.3	ND	U
50-32-8	Benzo(a)pyrene	0.38	8.3	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	ND	U
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

SBLKGC

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab File ID: 0052409-BLK1JA70 Lab Sample ID: 0052409-BLK2

Instrument ID: 5972HP70 Date Extracted: 05/24/10

Matrix: (soil/water) SOIL Date Analyzed: 07/01/10

Level:(low/med) LOW Time Analyzed: 1501

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SS67-0-1	1005133-11	1005133-11J2	07/01/10
02	SB72-2-3	1005133-13	1005133-13J2	07/01/10
03	SS88-0-1	1005133-14	1005133-14J2	07/01/10
04	SB88-2.5-3.5	1005133-15	1005133-15JA	07/01/10
05	SS76-0-1	1005133-16	1005133-16JA	07/01/10
06	SB76-6-7	1005133-17	1005133-17JA	07/01/10
07	SS87-0-1	1005133-18	1005133-18JA	07/01/10
08	SB87-3-4	1005133-19	1005133-19JA	07/01/10
09	SS68-0-1	1005133-20	1005133-20JA	07/01/10
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COMMENTS:

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SBLKGC

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0052409-BLK2
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0052409-BLK1JA70
Analyst: OWS

% Moisture: _____ decanted: (Y/N) ___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK2

Date Extracted: 05/24/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	ND	U
91-57-6	2-Methylnaphthalene	0.68	8.3	ND	U
208-96-8	Acenaphthylene	0.53	8.3	ND	U
83-32-9	Acenaphthene	0.60	8.3	ND	U
86-73-7	Fluorene	0.45	8.3	ND	U
85-01-8	Phenanthrene	1.3	8.3	ND	U
120-12-7	Anthracene	0.43	8.3	ND	U
206-44-0	Fluoranthene	1.3	8.3	ND	U
129-00-0	Pyrene	0.57	8.3	ND	U
56-55-3	Benzo(a)anthracene	0.57	8.3	ND	U
218-01-9	Chrysene	0.63	8.3	ND	U
205-99-2	Benzo(b)fluoranthene	0.57	8.3	ND	U
207-08-9	Benzo(k)fluoranthene	0.43	8.3	ND	U
50-32-8	Benzo(a)pyrene	0.38	8.3	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	ND	U
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

F. Form VIII

Internal standard area and retention time data

(VOA and SV only)

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab File ID (Standard): 0E25012-CCV1A66 Date Analyzed: 05/25/10

Instrument ID: 5972HP66 Time Analyzed: 1842

		IS1(CRY) AREA #	RT #	IS2(PRY) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	85416	19.33	76342	21.95	32289	5.55
	UPPER LIMIT	170832	19.83	152684	22.45	64578	6.05
	LOWER LIMIT	42708	18.83	38171	21.45	16145	5.05
	CLIENT SAMPLE NO.						
01	SBPLCSD	137416	19.32	131639	21.95	28030	5.56
02							
03							
04							
05							
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IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab File ID (Standard): 0E25012-CCV1A66 Date Analyzed: 05/25/10

Instrument ID: 5972HP66 Time Analyzed: 1842

		IS4(NPT) AREA	#	RT	#	IS5(ANT) AREA	#	RT	#	IS6(PHN) AREA	#	RT	#
	12 HOUR STD	112116		7.80		52762		11.22		93685		14.09	
	UPPER LIMIT	224232		8.30		105524		11.72		187370		14.59	
	LOWER LIMIT	56058		7.30		26381		10.72		46843		13.59	
	CLIENT SAMPLE NO.												
01	SBPLCSD	100906		7.80		46346		11.22		86084		14.09	
02													
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IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab File ID (Standard): 0E26002-CCV1C66 Date Analyzed: 05/26/10

Instrument ID: 5972HP66 Time Analyzed: 0611

		IS1(CRY) AREA #	RT #	IS2(PRY) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	157952	19.34	126573	21.96	41032	5.56
	UPPER LIMIT	315904	19.84	253146	22.46	82064	6.06
	LOWER LIMIT	78976	18.84	63287	21.46	20516	5.06
	CLIENT SAMPLE NO.						
01	SBLKBP	179070	19.34	144331	21.96	45579	5.57
02	SBPLCS	140645	19.34	109682	21.96	27317	5.56
03	SS73-0-1MS	260847	19.34	184638	21.96	35850	5.57
04	SS73-0-1MSD	225612	19.34	133189	21.96	25953	5.56
05	SS73-0-1	269995	19.34	180973	21.96	38687	5.57
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IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab File ID (Standard): 0E26002-CCV1C66 Date Analyzed: 05/26/10

Instrument ID: 5972HP66 Time Analyzed: 0611

		IS4(NPT) AREA #	RT #	IS5(ANT) AREA #	RT #	IS6(PHN) AREA #	RT #
	12 HOUR STD	146916	7.80	68609	11.23	134040	14.10
	UPPER LIMIT	293832	8.30	137218	11.73	268080	14.60
	LOWER LIMIT	73458	7.30	34305	10.73	67020	13.60
	CLIENT SAMPLE NO.						
01	SBLKBP	161749	7.81	74966	11.23	141759	14.10
02	SBPLCS	94276	7.80	45876	11.23	96377	14.10
03	SS73-0-1MS	134122	7.81	69203	11.23	211174	14.10
04	SS73-0-1MSD	92547	7.82	46884	11.23	197683	14.10
05	SS73-0-1	142114	7.81	70709	11.23	217748	14.10
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IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab File ID (Standard): 0F02003-CCV1C66 Date Analyzed: 06/02/10

Instrument ID: 5972HP66 Time Analyzed: 0027

		IS1(CRY)		IS2(PRY)		IS3(DCB)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	134828	19.35	113722	21.99	52288	5.53
	UPPER LIMIT	269656	19.85	227444	22.49	104576	6.03
	LOWER LIMIT	67414	18.85	56861	21.49	26144	5.03
	CLIENT SAMPLE NO.						
01	SBLKCG	81270	19.35	69945	21.99	40072	5.54
02	SCGLCSD	124705	19.34	101382	21.99	64166	5.56
03	SCGLCS	170421	19.34	142314	21.99	70448	5.54
04	SS75-0-1	136020	19.35	109153	21.99	67675	5.55
05	SS63-0-1	144635	19.37	111336	22.00	69168	5.54
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IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab File ID (Standard): 0F02003-CCV1C66 Date Analyzed: 06/02/10

Instrument ID: 5972HP66 Time Analyzed: 0027

		IS4(NPT) AREA #	RT #	IS5(ANT) AREA #	RT #	IS6(PHN) AREA #	RT #
	12 HOUR STD	154045	7.79	85436	11.20	152743	14.10
	UPPER LIMIT	308090	8.29	170872	11.70	305486	14.60
	LOWER LIMIT	77023	7.29	42718	10.70	76371	13.60
	CLIENT SAMPLE NO.						
01	SBLKCG	115437	7.79	52996	11.22	94129	14.10
02	SCGLCSD	202057	7.79	96622	11.21	172390	14.10
03	SCGLCS	236680	7.79	111598	11.20	196645	14.09
04	SS75-0-1	226837	7.78	95388	11.20	155595	14.09
05	SS63-0-1	247983	7.79	100627	11.22	181907	14.10
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IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab File ID (Standard): 0F24005-CCV1A66 Date Analyzed: 06/24/10

Instrument ID: 5972HP66 Time Analyzed: 1439

		IS1(CRY) AREA #	RT #	IS2(PRY) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	60962	19.20	58769	21.82	22670	5.45
	UPPER LIMIT	121924	19.70	117538	22.32	45340	5.95
	LOWER LIMIT	30481	18.70	29385	21.32	11335	4.95
	CLIENT SAMPLE NO.						
01	SB75-3.5-4.5	43238	19.24	36951	21.86	18110	5.48
02	SB63-5.5-6.5	89599	19.24	70430	21.86	36048	5.48
03	SS61-0-1	52838	19.24	45060	21.86	26814	5.48
04	SS61D-0-1	49432	19.23	36986	21.86	12632	5.47
05	SB61-6-7	37271	19.24	30861	21.86	14578	5.47
06	SS72-0-1	72326	19.23	64424	21.86	28973	5.48
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IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab File ID (Standard): 0F24005-CCV1A66 Date Analyzed: 06/24/10

Instrument ID: 5972HP66 Time Analyzed: 1439

		IS4(NPT) AREA	#	RT	#	IS5(ANT) AREA	#	RT	#	IS6(PHN) AREA	#	RT	#
	12 HOUR STD	71920		7.69		38303		11.10		68117		13.97	
	UPPER LIMIT	143840		8.19		76606		11.60		136234		14.47	
	LOWER LIMIT	35960		7.19		19151		10.60		34059		13.47	
	CLIENT SAMPLE NO.												
01	SB75-3.5-4.5	50698		7.71		28410		11.13		58340		14.00	
02	SB63-5.5-6.5	113936		7.72		64684		11.13		122648		14.00	
03	SS61-0-1	82533		7.71		46542		11.13		87208		14.00	
04	SS61D-0-1	41931		7.71		32180		11.13		83916		14.00	
05	SB61-6-7	37861		7.70		23392		11.13		53957		14.00	
06	SS72-0-1	86634		7.71		46582		11.13		90206		14.00	
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IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab File ID (Standard): 0F30009-CCV2A66 Date Analyzed: 06/30/10

Instrument ID: 5972HP66 Time Analyzed: 1333

		IS1(CRY) AREA #	RT #	IS2(PRY) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	16553	19.14	12421	21.76	13040	5.39
	UPPER LIMIT	33106	19.64	24842	22.26	26080	5.89
	LOWER LIMIT	8277	18.64	6211	21.26	6520	4.89
	CLIENT SAMPLE NO.						
01	SB74-4-5	25947	19.14	21067	21.76	22385	5.42
02	SB61D-6-7	21202	19.14	18318	21.76	19834	5.41
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IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab File ID (Standard): 0F30009-CCV2A66 Date Analyzed: 06/30/10

Instrument ID: 5972HP66 Time Analyzed: 1333

		IS4(NPT) AREA	#	RT	#	IS5(ANT) AREA	#	RT	#	IS6(PHN) AREA	#	RT	#
	12 HOUR STD	33508		7.64		14209		11.04		22345		13.91	
	UPPER LIMIT	67016		8.14		28418		11.54		44690		14.41	
	LOWER LIMIT	16754		7.14		7105		10.54		11173		13.41	
	CLIENT SAMPLE NO.												
01	SB74-4-5	54339		7.64		22585		11.04		33128		13.92	
02	SB61D-6-7	39350		7.64		15215		11.04		25797		13.92	
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IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab File ID (Standard): 0G01008-CCV1A70 Date Analyzed: 07/01/10

Instrument ID: 5972HP70 Time Analyzed: 1139

		IS1(CRY) AREA #	RT #	IS2(PRY) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	125239	19.48	114589	22.31	26498	4.82
	UPPER LIMIT	250478	19.98	229178	22.81	52996	5.32
	LOWER LIMIT	62619	18.98	57295	21.81	13249	4.32
	CLIENT SAMPLE NO.						
01	SBLKGC	137015	19.49	130070	22.33	36610	4.85
02	SS67-0-1	121322	19.48	97013	22.33	43518	4.84
03	SB72-2-3	124880	19.48	119550	22.34	34200	4.84
04	SS88-0-1	194804	19.48	199995	22.32	38308	4.84
05	SB88-2.5-3.5	124842	19.49	114892	22.33	32722	4.85
06	SS76-0-1	151855	19.48	143285	22.33	39448	4.84
07	SB76-6-7	146116	19.48	136010	22.34	37544	4.84
08	SS87-0-1	80594	19.49	59695	22.34	33410	4.84
09	SB87-3-4	157483	19.49	148151	22.34	39832	4.84
10	SS68-0-1	91509	19.49	69053	22.34	43000	4.84
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IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab File ID (Standard): 0G01008-CCV1A70 Date Analyzed: 07/01/10

Instrument ID: 5972HP70 Time Analyzed: 1139

		IS4(NPT) AREA #	RT #	IS5(ANT) AREA #	RT #	IS6(PHN) AREA #	RT #
	12 HOUR STD	99928	7.13	65800	10.76	139762	13.85
	UPPER LIMIT	199856	7.63	131600	11.26	279524	14.35
	LOWER LIMIT	49964	6.63	32900	10.26	69881	13.35
	CLIENT SAMPLE NO.						
01	SBLKGC	138980	7.15	91295	10.78	178265	13.86
02	SS67-0-1	164377	7.14	96280	10.76	175239	13.85
03	SB72-2-3	122949	7.14	72582	10.76	148835	13.85
04	SS88-0-1	158005	7.14	109369	10.76	228445	13.85
05	SB88-2.5-3.5	121345	7.15	75791	10.77	153290	13.86
06	SS76-0-1	151306	7.14	96111	10.77	194739	13.85
07	SB76-6-7	137771	7.14	86931	10.77	176408	13.86
08	SS87-0-1	128384	7.14	77997	10.77	144357	13.85
09	SB87-3-4	154505	7.15	97706	10.77	193760	13.85
10	SS68-0-1	148343	7.15	85648	10.77	141390	13.86
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IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

CompuChem, a Division of Liberty Analytical Corporation

I. SAMPLE DATA PACKAGE

GC/MS by SW-846

Modified For Selected Ion Monitoring (SIM)

The sample data package shall include data for all analyses of all samples in one Sample Delivery Group (SDG), including field samples, dilutions, reanalyses, blanks, matrix spikes, matrix spike duplicates, and laboratory control samples. The sample data package consists of the following:

A. SDG Narrative

B. Chain-of-Custody Documentation

C. SDG Data

LAB CODE: LIBRTY METHOD: 8270C

SDG # : 1005133

A. SDG Narrative

CompuChem
a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG # 1005133
PROTOCOL: SW-846
Date: July 06, 2010

SAMPLE IDENTIFICATIONS: SB61-6-7, SB61D-6-7, SB63-5.5-6.5, SB72-2-3, SB74-4-5, SB75-3.5-4.5, SB76-6-7, SB87-3-4, SB88-2.5-3.5, SS61-0-1, SS61D-0-1, SS63-0-1, SS67-0-1, SS68-0-1, SS72-0-1, SS73-0-1, SS73-0-1MS, SS73-0-01MSD, SS75-0-1, SS76-0-1, SS87-0-1, and SS88-0-1

The twenty-two (22) soil samples listed above were received intact, with proper documentation, in sealed shipping containers, on May 14, 19, and 21, 2010. The cooler temperatures associated with these samples were 1.7, 1.5, 4.3, 3.9, and 3.1 °C.

The samples listed above were scheduled for the requested analysis of the semivolatile Selected Ion Monitoring (SIM) fraction.

SW-846, 3rd Edition, Update 3, Sonication extraction (Method 3550B), and Method 8270C Selected Ion Monitoring (SIM) were used to prepare and analyze these samples, with the exceptions and/or additions requested by the client. This portion of the narrative deals with the semivolatile Selected Ion Monitoring (SIM) fraction only.

The percent moisture value for these samples ranged from 3 to 55.

Semivolatile SIM

Extraction and analysis holding time requirements were met for these samples.

The semivolatile SIM target compound list (TCL) analyte Fluoranthene was identified above the Contract Required Quantitation Limit (CRQL) in sample SS67-0-1.

Manual integrations were performed on one or more of the process files associated with this SDG. Please see the detailed Manual Integration Summary report that is located behind this SDG narrative. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

Mass assignments were verified by the injections of Perfluorotributylamine for the SIM analysis.

Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG. In the initial calibration analyzed on instrument 5972HP66 on 06/29/10, Nitrobenzene-d_5 is being reported as a linear, with a relative standard deviation (RSD) of 0.9938027 instead of 0.995.

All of the surrogates met recovery criteria in the analyses of these samples, with the exception of samples SB61-6-7, SB61D-6-7, SB74-4-5, SS61-0-1, and SS61D-0-1. In the analyses of the samples SB61D-6-7 and SB74-4-5, the recovery of the surrogate, Nitrobenzene-d_5, was bias high and failed quality control criteria and in the analyses of the samples SB61-6-7, SS61-0-1, and SS61D-0-1, the recovery of the surrogate, Terphenyl-d_{14}, was bias high and failed quality control criteria. Since the recoveries of these surrogates met our in-house quality control criteria, the results are being reported without any corrective action.

All of the internal standards met response and retention time criteria in the analyses of these samples.

The associated method blanks met all quality control criteria.

Sample SS73-0-1 was used as the original to prepare the duplicate matrix spikes as requested. The associated duplicate matrix spikes met overall accuracy criteria. The recovery of the spike compound Fluorene was bias low in both the SS73-0-1MS and SS73-0-1MSD and failed quality control criteria. This compound was flagged as an outlier in the duplicate matrix spike samples. All Relative Percent Difference (RPD) precision criteria were met in the comparison of the duplicate matrix spike samples.

The associated Laboratory Control Samples, prepared and analyzed along with these samples, met all accuracy criteria and overall precision criteria. The Relative Percent Differences (RPDs) of the spike compounds Fluorene, Indeno(1,2,3-cd)pyrene, Dibenzo(a,h)Anthracene, and Benzo(g,h,i)perylene in the comparison of the laboratory control samples SBPLCS and SBPLCSD failed quality control criteria and were flagged as outliers. Only samples SS73-0-1, SS73-0-1MS, and SS73-0-1MSD were associated with these LCS/LCSD samples and none of these compounds were detected above the CRQLs in the sample SS73-0-1, associated with these LCS/LCSD samples.

An uncertainty of these test results may be estimated from the recovery of the surrogates added to the sample prior to sample preparation or from the recovery of spiked compound(s) in the associated laboratory control sample. Further information is available upon request.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Furthermore, I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice. Release of the data contained in this hardcopy data package and in the computer-readable data submitted electronically has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

S.A. Parikh

Saroj A. Parikh
Data Reviewer
July 06, 2010

Manual Integrations											
SDG: 1005133	SS73-0-1	SSTD3.00IV	SCGLCS	SCGLCSD	SS75-0-1	SS63-0-1	SB63-5.5-6.5	SS61D-0-1	SB61-6-7	SS72-0-1	
Compound											
Naphthalene								X		X	
2-Methylnaphthalene											
1-Methylnaphthalene											
Acenaphtylene											
Acenaphthene											
Fluorene											
Phenanthrene											
Anthracene											
Fluoranthene										X	
Pyrene							X			X	
Benzo(a)anthracene											
Chrysene							X			X	
Benzo(b)fluoranthene						X					
Benzo(k)fluoranthene						X					
Benzo(a)pyrene											
Indeno(1,2,3-cd)pyrene		X	X	X	X	X					
Dibenzo(a,h)anthracene											
Benzo(g,h,i)perylene	X					X					
1,4-Dichlorobenzene-d4											
Nahthalene-d8											
Acenapthene-d10						X					
Phenanthrene-d10											
Chrysene-d12									X		
Perylene-d12										X	
2-fluorophenol											
Phenol-d5											
Nitrobenzene-d5											
2,4,6-Tribromophenol											
2-Fluorobiphenyl											
Terphenyl-d14							X		X		
"X" Denotes a manual integration for the compound											

Manual Integrations											
SDG: 1005133	SS67-0-1	SS88-0-1	SS76-0-1	SS87-0-1	SS68-0-1						
Compound											
Naphthalene											
2-Methylnaphthalene											
1-Methylnaphthalene											
Acenaphtylene											
Acenaphthene											
Fluorene											
Phenanthrene											
Anthracene											
Fluoranthene											
Pyrene				X							
Benzo(a)anthracene											
Chrysene											
Benzo(b)fluoranthene	X	X		X	X						
Benzo(k)fluoranthene	X	X	X		X						
Benzo(a)pyrene	X			X							
Indeno(1,2,3-cd)pyrene		X									
Dibenzo(a,h)anthracene											
Benzo(g,h,i)perylene											
1,4-Dichlorobenzene-d4											
Nahthalene-d8											
Acenapthene-d10				X							
Phenanthrene-d10											
Chrysene-d12											
Perylene-d12											
2-fluorophenol											
Phenol-d5											
Nitrobenzene-d5											
2,4,6-Tribromophenol											
2-Fluorobiphenyl				X							
Terphenyl-d14											
"X" Denotes a manual integration for the compound											

GC and GC/MS Column and Trap Specifications Table

SDG #:	1005133							
				COLUMNS				
Columns Utilized	Brand Name	Coating Material		ID (mm)	Film Thickness (um)			Length (m)
	GC Laboratory							
	Restek	RTX-5		0.53	1.0			30
	Restek	RTX-SMS		0.53	1.0			30
	Restek	clpest		0.32	0.5			30
	Restek	clpest2		0.32	0.42			30
	J&W	DB-210		0.53	1.0			30
	J&W	GS-GASPRO		0.32	N/A			30
	GC Volatiles Laboratory							
	Restek	RTX-Volatiles		0.53	2.0			30
	GC/MS Volatiles Laboratory							
	Restek	RTX-VMS		0.18	1.0			20
	Supelco	SPB-624		0.32	1.8			60
	Supelco	SPB-624		0.53	3.0			75
	Phenomonex	ZB-624		0.32	1.8			60
	GC/MS Semivolatiles Laboratory							
X	Restek	RTX-5MS		0.32	0.25			30
	Phenomonex	ZB-5MS		0.32	0.25			30
	HPLC Laboratory							
	Supelco	Supelcosil LC-PAH		4.6	5.0			15 cm
	Supelco	Discovery RP Amide C16		4.6	5.0			25 cm
	Restek	Pinnacle Cyano		4.6	5.0			25 cm
	Restek	Allure C18		4.6	5.0			25 cm
			TRAPS *					
	GC and GC/MS Volatiles Laboratory							
	Supelco J (BETXTRAP™)		* 7.7 cm Carbopack C					
			* 1.2 cm Carbopack B					
	Supelco K (Vocarb3000)		* 10 cm of Carbopack B (Graphitized Carbons)					
			* 6 cm of Carboxen 1000 (Carbon molecular sieves)					
			* 1 cm of Carboxen 1001 (Carbon molecular sieves)					
								Rev. 28

* This table contains the GC columns (and volatile organic trap) used for the analysis of volatiles, semi-voaltiles, pesticides, and Aroclors by the SOM01.2 SOW.

Please see the SDG Narrative(s) for the specific fractions(s) relative to this SDG.

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CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.).

Revision 6 (12/6/2005)

CompuChem

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Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC chemists. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC analysis. The manual editing/integration flags are:

M - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak.

H - Denotes that the data reviewer, GC/MS operator, or GC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

MH - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.

L - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

The EPA CLP SOW documents require additional explanations for manual editing/integration. In the accompanying raw data packages, additional codes have been applied to the "M" flag and carry the following meanings;

M1 - The compound was not found by the automatic integration routine.

M2 - The compound was incorrectly integrated by the automatic integration routine.

M3 - The co-eluting compounds were incorrectly integrated by the automatic integration routine.

These codes will appear in the GC/MS and GC raw data.

Revision 7 (12/6/2005

DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each compound. The qualifiers used are:

U : This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J : This flag indicates an estimated value. The flag is used as detailed below:

1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1:1 is assumed for the TIC analyte,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide and/or Aroclor or other GC or HPLC identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.

N : This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search and must be used with the J flag. For generic characterization of a TIC such as "chlorinated hydrocarbon" (or for an "unknown," with no matches ≥85% in the SOM01.1 SOW), the N flag is not used.

P : In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the Form I and flagged with a P.
For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the higher of the two values is reported and flagged with a P. When the RPD is equal to or less than 40%, our policy is to also report the higher of the two values, although the choice could be a project specific issue. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

DATA REPORTING QUALIFIERS (continued)

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations (responses in the SOM01.1 SOW) exceed the upper level of the calibration range (exceed the response of the high ICAL standard in the SOM01.1 SOW) of the instrument for that specific analysis. If one or more compounds have a response greater than the upper level of the calibration range (greater than the response of the highest ICAL standard in the SOM01.1 SOW), the sample or extract will be diluted and reanalyzed. All such compounds with a response greater than the upper level of the calibration range (with responses greater than the response of the highest ICAL standard in the SOM01.1 SOW) will have the concentration (result in the SOM01.1 SOW) flagged with an E on Form I for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration (response in the SOM01.1 SOW) of an analyte exceeds the upper calibration range (exceeds the response of the highest ICAL standard in the SOM01.1 SOW), the DL suffix is appended to the sample number on the Form I for the more diluted sample, and **all** reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.

NOTE 1: The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.

NOTE 2: Separate Forms I are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses <u>are not combined</u> on a single Form I.

A: This flag indicates that a TIC is a suspected aldol-condensation product.

S: In the SOM01.1 SOW, this flag is used to indicate an estimated value for Aroclor target compounds where a valid 5-point initial calibration was not performed prior to the analytes detection in a sample. If an "S" flag is used for a specific Aroclor, then a reanalysis of the sample is required after a valid 5-point calibration is performed for the detected Aroclor.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y, and Z.

B. Chains-of-Custody

The laboratory shall include a copy of the Chain-of-Custody (CoC) documentation for all of the samples in the SDG. The CoC documents shall be arranged in increasing Client Sample ID number order, considering both letters and numbers.

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CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: VA Beach State: VA Zip: 23462
Project Contact: Rebekha Shaw
Phone #: 757-671-6279
Sampler's Name: KRogers / RDM

Project Information

Project Name: GTO-94
Sampling Location: MCB Camp Lejeune
Turnaround time:
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Requested Analysis/Standard Method/Lab #

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

Lab Use Only (Container Check)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Total Metals (6010B) 20?	Total Chromium (6010B)	SIM PAHs (8270C) 8	TCL Pest (8081A)	Grain Size (ASTM D422) 8	Chromium VI (7196A)		Grain Size					
1005132-01	BBG-SS73-0-1-10B	5-14-10	0825	SO	3							X		X	X	X	X		1005209-14					
—	BBG-SS73-0-1-10B-MS	5-14-10	0825	SO	3							X		X	X	X	X		—					
—	BBG-SS73-0-1-10B-SD	5-14-10	0825	SO	3							X		X	X	X	X		—					
1005132-13	BBG-SS84-0-1-10B	5-14-10	0855	SO	3							X		X	X	X	X		1005209-15					
-14	BBG-SS84-6-7-10B	5-14-10	0905	SO	3							X		X	X	X	X		√	-16				
1005134-01	BBG-SS02-0-1-10B	5-14-10	0930	SO	3								X	X	X	X	X		√	-17				
-02	BBG-SB02D-0-1-10B	5-14-10	0935	SO	3								X	X	X	(X)	X		—					
-03	BBG-SB02-5-6-10B	5-14-10	0940	SO	3								X	X	X	X	X		1005209-18					
-04	BBG-SB02D-5-6-10B	5-14-10	0945	SO	3								X	X	X	(X)	X		—					

Lab Use Only

Sample Unpacked By: Jennifer Rogers
Sample Order Entry By: Amy Dorey
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

*did not recd Grainsize for BBG-SS02D-01-10B or BBG-SB02D-5-6-10B not needed on "dups" (ED) 5/14/10 or MS/MSD/LCS per Julie

Sample Custody

Relinquished by: K R	Date/Time: 5-14-10 1600	Received by: Diane Bond	Date/Time: 5-14-10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:
Subcontact? Y or N If yes, where? Grain size to CT LABS	Custody Seal(s) intact? Y or N	On Ice? (Y) or N	Cooler Temp: 1.7 °C

(ED) 5/14/10 client delivered

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

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CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: Va Beach State: VA Zip: 23462
Project Contact: Rebekka Shaw
Phone #: 757-671-6279
Sampler's Name: K ROGERS/RDW

Project Information

Project Name: CTO-94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Requested Analysis and Container Information

Matrix: GW - Ground water, WW - Waste water, SW - Surface water, SO - Soil/Sediment, TB - Trip Blank, RI - Rinsate, WP - Wipe, O - Other

CompuChem No. (Lab Use Only)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other	Tot Metals 6010B ($ share 6oz)	Tot Chromium 6010B	chrom. VI 7196A	SIM PAH 8270C (1-8oz)	TCL PCBs 8081A	Grain Size ASTM D422 (1-8oz)		Grain size	Pres. Check (Lab Use Only)
1005133-02	BBG-SB74-4-5-10B	5.17	1600	So	3							X		X	X	X	X		1005211-01	
-03	BBG-SS75-0-1-10B	5.17	1635	SO	3							X		X	X	X	X			-02
-04	BBG-SB75-3.5-4.5-10B	5.17	1645	SO	3							X		X	X	X	X			-03
-05	BBG-SS63-0-1-10B	5.18	0840	SO	3							X		X	X	X	X			-04
-06	BBG-SB63-5.5-6.5-10B	5.18	0900	SO	3							X		X	X	X	X			-05
-07	BBG-SS61-0-1-10B	5.18	0945	SO	3							X		X	X	X	X		✓	-06
-08	BBG-SS61D-0-1-10B	5.18	0950	SO	2							X		X	X	X			—	-07 5/24/10
-09	BBG-SB61-6-7-10B	5.18	0955	SO	3							X		X	X	X	X		1005211-07	
-10	BBG-SB61D-6-7-10B	5.18	1000	SO	2							X		X	X	X			—	

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By: [signature]
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

Sample Custody

Relinquished by: [signature]	Date/Time: 5.18.10 1420	Received by: K. Ma[illegible]	Date/Time: 5-19-10 0905
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? (Y) or N If yes, where? Grain size to CT LABS
Custody Seal(s) intact? (Y) or N
On Ice? (Y) or N
Cooler Temp: 1.5 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

SN0010

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24785

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CHAIN OF CUSTODY

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Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page ___ of ___

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: Ch2M Hill
Address: 5700 Cleveland St, 101
City: Va Beach State: VA Zip: 23462
Project Contact: Rebekha Shaw
Phone #: 757-671-6279
Sampler's Name: K. Rogers

Project Information

Project Name: CTO 94
Sampling Location: MCB Camp Lejeune
Turnaround time: Per Contract
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Matrices

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

Requested Analysis: Metals 6010B, Tot Cr 6010B, Cr VI 7196A (Share 1-2oz.); SIM PAH 8270C, TCL PEST 8081A (Share 1-8oz.); Grain Size ASTM D422 (1-8oz.)

CompuChem No. (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B	Tot Cr 6010B	Cr VI 7196A	SIM PAH 8270C	TCL PEST 8081A	Grain Size ASTM D422	Grain size
1005132-15	BBG-SS81-0-1-10B	5.18	1600	SO	3							X		X	X	X	X	1005212-01
-16	BBG-SB81-5-6-10B	5.18	1620	SO	3							X		X	X	X	X	-02
1005133-11	BBG-SS67-0-1-10B	5.18	1700	SO	3							X		X	X	X	X	-03
1005134-14	BBG-SB50-1-2-10B	5.18	1750	SO	3								X	X	X	X	X	-04
1005132-17	BBG-SS71-0-1-10B	5.19	0735	SO	3							X		X	X	X	X	-05
-18	BBG-SS71D-0-1-10B	5.19	0740	SO	3							X		X	X	X		
-19	BBG-SB71-4-5-10B	5.19	0755	SO	3							X		X	X	X	X	1005212-06
-20	BBG-SB71D-4-5-10B	5.19	0800	SO	2							X		X	X	X		
1005133-12	BBG-SS72-0-1-10B	5.19	0835	SO	3							X		X	X	X	X	1005212-07
-13	BBG-SB72-2-3-10B	5.19	0845	SO	3							X		X	X	X	X	-08

Lab Use Only

Sample Unpacked By: K Maning
Sample Order Entry By: [illegible]
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

Sample Custody

Relinquished by: [signature]	Date/Time: 5.21.10 1600	Received by: K. Maning	Date/Time: 5.21.10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontract? (Y) or N If yes, where? Grain size to CTLABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 4.3 °C

Samples stored 60 days after date report mailed at no extra charge.

Client Delivery-KM 5.21.10

White & Yellow copy to lab • Pink copy for customer SN0015

R

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CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page ____ of ____

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: VA BEACH State: VA Zip: 23462
Project Contact: Rebekkha Shaw
Phone #: 757-671-6279
Sampler's Name: K. ROGERS

Project Information

Project Name: CTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER Contract
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Requested Analysis (Include Method and Bottle Type)

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem Lab ID	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B (Share 1-20z)	Tot Cr 6010B	Cr VI 7196A	PAH 8270C (Share 1-80z) KM 5.21.10	TCL PEST 8081A	Grain Size ASTM D422 (1-80z.)		Grain size		Comments
1005133-14	BBG-SS88-0-1-10B	5.19	0910	SO	3							X		X	X	X	X		1005210-09		
-15	BBG-SB88-2.5-3.5-10B	5.19	0925	SO	3							X		X	X	X	X			-10	
-16	BBG-SS76-0-1-10B	5.19	0955	SO	3							X		X	X	X	X			-11	
-17	BBG-SB76-6-7-10B	5.19	1045	SO	3							X		X	X	X	X			-12	
-18	BBG-SS87-0-1-10B	5.19	1145	SO	3							X		X	X	X	X			-13	
-19	BBG-SB87-3-4-10B	5.19	1155	SO	3							X		X	X	X	X			-14	
1005134-15	BBG-SS12-0-1-10B	5.19	1245	SO	3								X	X	X	X	X			-15	
-16	BBG-SB12-2-3-10B	5.19	1255	SO	3								X	X	X	X	X			-16	
1005157-02	BBG-SS51-0-1-10B	5.19	1630	SO	3							X		X	X	X	X		✓	-17	
-03	BBG-SS51D-0-1-10B	5.19	1635	SO	2							X		X	X	X			—	—	

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or N (A)
625 & Phenol samples checked for chlorine? Y or N (A)
608 samples checked for pH between 5.0-9.0? Y or N (A)

Sample Custody

Relinquished by:	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5.21.10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? (Y) or N If yes, where? Grain size to CT LABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 3.9 °C

Samples stored 60 days after date report mailed at no extra charge.

KM 5.21.10 - Client Delivery

White & Yellow copy to lab • Pink copy for customer

SN0015

R2

24786

85

CHAIN OF CUSTODY

CompuChem
a division of Liberty Analytical Corp.

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page ____ of ____

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: Va Beach State: VA Zip: 23462
Project Contact: REBEKAH SHAW
Phone #: 757-671-6279
Sampler's Name: K. ROGERS

Project Information

Project Name: CTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Requested Analysis (circle preferred method and indicate preservative)

Matrices
GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

CompuChem Lab #	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B (Share 1-2082)	tot Cr 6010B	Cr VI 7196A	SIM PAH 8270C (Share 1-2082)	PCB Pest 8081A	Grain Size ASTM D 422 (1-2082)		Grain size							
1005157-04	BBG-SS90-0-1-10B	5.19	1455	SO	3							X		X	X	X	X		1005212-18							
-05	BBG-SB90-2-3-10B	5.19	1500	SO	3							X		X	X	X	X		"					-19		
1005134-17	BBG-SS44-0-1-10B	5.20	0810	SO	3								X	X	X	X	X		"					-20		
1005134-18	BBG-SB44-5-6-10B	5.20	0825	SO	3								X	X	X	X	X		1005213-01							
	BBG-SB44-5-6-10B-MS	5.20	0825	SO	2								X	X	X	X			—							
	BBG-SB44-5-6-10B-SD	5.20	0825	SO	2								X	X	X	X			—							
1005133-20	BBG-SS68-0-1-10B	5.20	~~0830~~ 0930	SO	3							X		X	X	X	X		1005213-02							
1005134-19	BBG-SS43-0-1-10B	5.20	1035	SO	3								X	X	X	X	X		"					-03		
-20	BBG-SB43-3-4-10B	5.20	1045	SO	3								X	X	X	X	X		"					-04		

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By: [illegible]
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

Sample Custody

Relinquished by:	Date/Time:	Received by:	Date/Time:
[signature]	5.21.10 1600	K. Manning	5.21.10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? (Y) or N If yes, where? Grain size to CT LABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 3.1 °C

Client Delivery - KM 5/21/10

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

SN0015

1005133

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005133** **CASE:**	**Status:**	**Prepared**

Report To:
CH2M HILL, INC.
REBEKHA SHAW
5700 CLEVELAND STREET, SUITE 101
VIRGINIA BEACH, VA 23462
Phone: 757-671-8311
Fax: -

Invoice To:
CH2M HILL, INC.
ACCOUNTS PAYABLE
P.O. BOX 241329
DENVER, CO 80224
Phone :757-671-8311
Fax: -

Date Due: 06/10/2010 00:00 (20 day TAT)

Received By: Cathy Dover — Date Received: 05/21/2010 16:00

Logged In By: Cathy Dover — Date Logged In: 05/16/2010 22:42

J & B Flags?: **YES**	TICS?:**NO**	Deliverable: **Style 9 PQL/MDL Forms**	EDD : **30) CH2 SNEDD**
Metals ND to? **RL/CRQL**	Spike Level: **FULL Spike**		

DOD CRITERIA*USE 1005133-01 FOR QC*SIM 8270C=PAH.SUB*PEST 8081A*TAL METALS*HEXAVALENT Cr 7196A + Cr+3 REPORTED ON FORMS & EDD

Analysis	Due	TAT	Expires	Received	Comments
1005133-01 SS73-0-1 [Soil] Sampled 05/14/2010 08:25 Eastern					**USE FOR QC**
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/28/2010 08:25	05/14/2010 16:00	SubList = SVsim- PAH
7470A/7471A Mercury	06/10/2010 16:00	20	06/11/2010 08:25	05/14/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	05/28/2010 08:25	05/14/2010 16:00	SubList = GC- 8081 DOD
Solids, Dry Weight	06/03/2010 16:00	13	11/10/2010 08:25	05/14/2010 16:00	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/10/2010 08:25	05/14/2010 16:00	
6010B METALS TAL	06/10/2010 16:00	20	11/10/2010 08:25	05/14/2010 16:00	
1005133-02 SB74-4-5 [Soil] Sampled 05/17/2010 16:00 Eastern					
7470A/7471A Mercury	06/10/2010 16:00	20	06/14/2010 16:00	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/13/2010 16:00	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/13/2010 16:00	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	05/31/2010 16:00	05/19/2010 09:05	SubList = GC- 8081 DOD
Solids, Dry Weight	06/03/2010 16:00	13	11/13/2010 16:00	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/31/2010 16:00	05/19/2010 09:05	SubList = SVsim- PAH

1005133

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005133** **CASE:**	**Status:**	**Reported**

Analysis	Due	TAT	Expires		Comments
1005133-03 SS75-0-1 [Soil] Sampled 05/17/2010 16:35 Eastern					
GC-8081A/PEST	06/10/2010 16:00	20	05/31/2010 16:35	05/19/2010 09:05	SubList = GC- 8081 DOD
6010B METALS TAL	06/10/2010 16:00	20	11/13/2010 16:35	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/31/2010 16:35	05/19/2010 09:05	SubList = SVsim- PAH
7470A/7471A Mercury	06/10/2010 16:00	20	06/14/2010 16:35	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/13/2010 16:35	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/13/2010 16:35	05/19/2010 09:05	
1005133-04 SB75-3.5-4.5 [Soil] Sampled 05/17/2010 16:45 Eastern					
6010B METALS TAL	06/10/2010 16:00	20	11/13/2010 16:45	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/14/2010 16:45	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	05/31/2010 16:45	05/19/2010 09:05	SubList = GC- 8081 DOD
Solids, Dry Weight	06/03/2010 16:00	13	11/13/2010 16:45	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/31/2010 16:45	05/19/2010 09:05	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/13/2010 16:45	05/19/2010 09:05	
1005133-05 SS63-0-1 [Soil] Sampled 05/18/2010 08:40 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 08:40	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 08:40	05/19/2010 09:05	SubList = SVsim- PAH
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 08:40	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 08:40	05/19/2010 09:05	SubList = GC- 8081 DOD
7470A/7471A Mercury	06/10/2010 16:00	20	06/15/2010 08:40	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/14/2010 08:40	05/19/2010 09:05	
1005133-06 SB63-5.5-6.5 [Soil] Sampled 05/18/2010 09:00 Eastern					
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 09:00	05/19/2010 09:05	SubList = SVsim- PAH
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 09:00	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 09:00	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 09:00	05/19/2010 09:05	SubList = GC- 8081 DOD
6010B METALS TAL	06/10/2010 16:00	20	11/14/2010 09:00	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/15/2010 09:00	05/19/2010 09:05	

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COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005133** **CASE:**	**Status:**	**[Group]**

Analysis	Due	TAT	Expires		Comments
1005133-07 SS61-0-1 [Soil] Sampled 05/18/2010 09:45 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 09:45	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/14/2010 09:45	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 09:45	05/19/2010 09:05	SubList = GC- 8081 DOD
7470A/7471A Mercury	06/10/2010 16:00	20	06/15/2010 09:45	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 09:45	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 09:45	05/19/2010 09:05	SubList = SVsim- PAH
1005133-08 SS61D-0-1 [Soil] Sampled 05/18/2010 09:50 Eastern					
6010B METALS TAL	06/10/2010 16:00	20	11/14/2010 09:50	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/15/2010 09:50	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 09:50	05/19/2010 09:05	SubList = GC- 8081 DOD
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 09:50	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 09:50	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 09:50	05/19/2010 09:05	SubList = SVsim- PAH
1005133-09 SB61-6-7 [Soil] Sampled 05/18/2010 09:55 Eastern					
6010B METALS TAL	06/10/2010 16:00	20	11/14/2010 09:55	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 09:55	05/19/2010 09:05	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 09:55	05/19/2010 09:05	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 09:55	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 09:55	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/15/2010 09:55	05/19/2010 09:05	
1005133-10 SB61D-6-7 [Soil] Sampled 05/18/2010 10:00 Eastern					
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 10:00	05/19/2010 09:05	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 10:00	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 10:00	05/19/2010 09:05	SubList = GC- 8081 DOD
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 10:00	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/15/2010 10:00	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/14/2010 10:00	05/19/2010 09:05	

1005133

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005133** **CASE:**	**Status:**	**Reported**

Analysis	Due	TAT	Expires		Comments
1005133-11 SS67-0-1 [Soil] Sampled 05/18/2010 17:00 Eastern					
7470A/7471A Mercury	06/10/2010 16:00	20	06/15/2010 17:00	05/21/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 17:00	05/21/2010 16:00	SubList = SVsim- PAH
6010B METALS TAL	06/10/2010 16:00	20	11/14/2010 17:00	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 17:00	05/21/2010 16:00	SubList = GC- 8081 DOD
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 17:00	05/21/2010 16:00	
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 17:00	05/21/2010 16:00	
1005133-12 SS72-0-1 [Soil] Sampled 05/19/2010 08:35 Eastern					
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 08:35	05/21/2010 16:00	SubList = GC- 8081 DOD
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 08:35	05/21/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 08:35	05/21/2010 16:00	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 08:35	05/21/2010 16:00	
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 08:35	05/21/2010 16:00	
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 08:35	05/21/2010 16:00	
1005133-13 SB72-2-3 [Soil] Sampled 05/19/2010 08:45 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 08:45	05/21/2010 16:00	
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 08:45	05/21/2010 16:00	
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 08:45	05/21/2010 16:00	
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 08:45	05/21/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 08:45	05/21/2010 16:00	SubList = SVsim- PAH
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 08:45	05/21/2010 16:00	SubList = GC- 8081 DOD
1005133-14 SS88-0-1 [Soil] Sampled 05/19/2010 09:10 Eastern					
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 09:10	05/21/2010 16:00	SubList = GC- 8081 DOD
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 09:10	05/21/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 09:10	05/21/2010 16:00	SubList = SVsim- PAH
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 09:10	05/21/2010 16:00	
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 09:10	05/21/2010 16:00	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 09:10	05/21/2010 16:00	

1005133

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005133** **CASE:**	**Status:**	**Prepared**

Analysis	Due	TAT	Expires		Comments
1005133-15 SB88-2.5-3.5 [Soil] Sampled 05/19/2010 09:25 Eastern					
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 09:25	05/21/2010 16:00	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 09:25	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 09:25	05/21/2010 16:00	SubList = GC- 8081 DOD
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 09:25	05/21/2010 16:00	
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 09:25	05/21/2010 16:00	
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 09:25	05/21/2010 16:00	
1005133-16 SS76-0-1 [Soil] Sampled 05/19/2010 09:55 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 09:55	05/21/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 09:55	05/21/2010 16:00	SubList = SVsim- PAH
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 09:55	05/21/2010 16:00	SubList = GC- 8081 DOD
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 09:55	05/21/2010 16:00	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 09:55	05/21/2010 16:00	
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 09:55	05/21/2010 16:00	
1005133-17 SB76-6-7 [Soil] Sampled 05/19/2010 10:45 Eastern					
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 10:45	05/21/2010 16:00	
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 10:45	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 10:45	05/21/2010 16:00	SubList = GC- 8081 DOD
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 10:45	05/21/2010 16:00	
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 10:45	05/21/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 10:45	05/21/2010 16:00	SubList = SVsim- PAH
1005133-18 SS87-0-1 [Soil] Sampled 05/19/2010 11:45 Eastern					
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 11:45	05/21/2010 16:00	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 11:45	05/21/2010 16:00	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 11:45	05/21/2010 16:00	
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 11:45	05/21/2010 16:00	
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 11:45	05/21/2010 16:00	
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 11:45	05/21/2010 16:00	

1005133

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005133** **CASE:**	**Status:**	**Reported**

Analysis	Due	TAT	Expires		Comments
1005133-19 SB87-3-4 [Soil] Sampled 05/19/2010 11:55 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 11:55	05/21/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 11:55	05/21/2010 16:00	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 11:55	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 11:55	05/21/2010 16:00	SubList = GC- 8081 DOD
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 11:55	05/21/2010 16:00	
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 11:55	05/21/2010 16:00	
1005133-20 SS68-0-1 [Soil] Sampled 05/20/2010 09:30 Eastern					
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 09:30	05/21/2010 16:00	SubList = SVsim- PAH
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 09:30	05/21/2010 16:00	
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 09:30	05/21/2010 16:00	
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 09:30	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 09:30	05/21/2010 16:00	SubList = GC- 8081 DOD
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 09:30	05/21/2010 16:00	

Analysis groups included in this work order

TRIVALENT CHROMIUM Cr3 7196A

Total Cr by Metals HEXAVALENT CHROMI

CompuChem
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Liberty Analytical Corp.

Sample ID Cross Reference

LAB WO	Project	Sample #	Field ID	Sample Date	Receive Date	DueDate	Chain of Custody ID
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-01	SS73-0-1	05/14/2010	05/14/2010	06/03/2010	BBG-SS73-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-01	SS73-0-1	05/14/2010	05/14/2010	06/10/2010	BBG-SS73-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-02	SB74-4-5	05/17/2010	05/19/2010	06/03/2010	BBG-SB74-4-5-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-02	SB74-4-5	05/17/2010	05/19/2010	06/10/2010	BBG-SB74-4-5-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-03	SS75-0-1	05/17/2010	05/19/2010	06/03/2010	BBG-SS75-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-03	SS75-0-1	05/17/2010	05/19/2010	06/10/2010	BBG-SS75-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-04	SB75-3.5-4.5	05/17/2010	05/19/2010	06/03/2010	BBG-SB75-3.5-4.5-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-04	SB75-3.5-4.5	05/17/2010	05/19/2010	06/10/2010	BBG-SB75-3.5-4.5-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-05	SS63-0-1	05/18/2010	05/19/2010	06/03/2010	BBG-SS63-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-05	SS63-0-1	05/18/2010	05/19/2010	06/10/2010	BBG-SS63-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-06	SB63-5.5-6.5	05/18/2010	05/19/2010	06/03/2010	BBG-SB63-5.5-6.5-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-06	SB63-5.5-6.5	05/18/2010	05/19/2010	06/10/2010	BBG-SB63-5.5-6.5-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-07	SS61-0-1	05/18/2010	05/19/2010	06/03/2010	BBG-SS61-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-07	SS61-0-1	05/18/2010	05/19/2010	06/10/2010	BBG-SS61-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-08	SS61D-0-1	05/18/2010	05/19/2010	06/03/2010	BBG-SS61D-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-08	SS61D-0-1	05/18/2010	05/19/2010	06/10/2010	BBG-SS61D-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-09	SB61-6-7	05/18/2010	05/19/2010	06/03/2010	BBG-SB61-6-7-10B

LAB WO	Project	Sample #	Field ID	Sample Date	Receive Date	DueDate	Chain of Custody ID
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-09	SB61-6-7	05/18/2010	05/19/2010	06/10/2010	BBG-SB61-6-7-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-10	SB61D-6-7	05/18/2010	05/19/2010	06/03/2010	BBG-SB61D-6-7-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-10	SB61D-6-7	05/18/2010	05/19/2010	06/10/2010	BBG-SB61D-6-7-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-11	SS67-0-1	05/18/2010	05/19/2010	06/03/2010	BBG-SS67-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-11	SS67-0-1	05/18/2010	05/19/2010	06/10/2010	BBG-SS67-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-12	SS72-0-1	05/19/2010	05/19/2010	06/03/2010	BBG-SS72-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-12	SS72-0-1	05/19/2010	05/19/2010	06/10/2010	BBG-SS72-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-13	SB72-2-3	05/19/2010	05/19/2010	06/03/2010	BBG-SB72-2-3-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-13	SB72-2-3	05/19/2010	05/19/2010	06/10/2010	BBG-SB72-2-3-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-14	SS88-0-1	05/19/2010	05/19/2010	06/03/2010	BBG-SS88-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-14	SS88-0-1	05/19/2010	05/19/2010	06/10/2010	BBG-SS88-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-15	SB88-2.5-3.5	05/19/2010	05/19/2010	06/03/2010	BBG-SB88-2.5-3.5-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-15	SB88-2.5-3.5	05/19/2010	05/19/2010	06/10/2010	BBG-SB88-2.5-3.5-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-16	SS76-0-1	05/19/2010	05/19/2010	06/03/2010	BBG-SS76-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-16	SS76-0-1	05/19/2010	05/19/2010	06/10/2010	BBG-SS76-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-17	SB76-6-7	05/19/2010	05/19/2010	06/03/2010	BBG-SB76-6-7-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-17	SB76-6-7	05/19/2010	05/19/2010	06/10/2010	BBG-SB76-6-7-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-18	SS87-0-1	05/19/2010	05/19/2010	06/03/2010	BBG-SS87-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-18	SS87-0-1	05/19/2010	05/19/2010	06/10/2010	BBG-SS87-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-19	SB87-3-4	05/19/2010	05/19/2010	06/03/2010	BBG-SB87-3-4-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-19	SB87-3-4	05/19/2010	05/19/2010	06/10/2010	BBG-SB87-3-4-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-20	SS68-0-1	05/20/2010	05/19/2010	06/03/2010	BBG-SS68-0-1-10B

CompuChem, a Division of Liberty Analytical Corp.

EXTRACT COC

DEPT: EXTR **DATE:** 5-20-10

BATCH: 0051920

5-20-1

	COMPUCHEM NUMBER	CLIENT SAMPLE ID	PARAMETER	
1	0051920-BLK1	SBLKBP		
2	0051920-BS1	SBPLCS		
3	0051920-BSD1	SBPLCSD		
4	0051920-MS1	SB85-1.5-2.5MS		
5	0051920-MS2	SS73-0-1MS		
6	0051920-MSD1	SB85-1.5-2.5MSD		
7	0051920-MSD2	SS73-0-1MSD		
8	1005132-01	SB85-1.5-2.5		
9	1005132-02	SB78-3.5-4.5		
10	1005132-03	SS77-0-1		
11	1005132-04	SB77-3.5-4.5		
12	1005132-05	SS79-0-1		
13	1005132-06	SB79-11-12		
14	1005132-07	SS83-0-1		
15	1005132-08	SB83-6.5-7.5		
16	1005132-09	SS62-0-1		
17	1005132-10	SS74-0-1		
18	1005132-11	SS86-0-1		
19	1005132-12	SB86-3-4		
20	1005132-13	SS84-0-1		
21	1005132-14	SB84-6-7		
22	1005133-01	SS73-0-1		
23	1005134-01	SS02-0-1		
24	1005134-02	SS02D-0-1		
25	1005134-03	SB02-5-6		
26	1005134-04	SB02D-5-6		
27	1005134-05	SB05-7-8		
28				

	RELINQUISHED BY	DATE/TIME	REC. BY	REASON
1	[signature]	5-20-10 1920	GC/MS Refridg #3	Storage
2	GC/MS#3	5-25-10 1500	ars	Analysis
3	ars	5-25-10 1700	GC/MS#3	Storage
4	GCMS#3	5/26 0500	MW	analysis
5	MW	5/26 0700	GCMS#3	storage
6				

Rev. 12/29/09:RM

CompuChem, a Division of Liberty Analytical Corp.

EXTRACT COC

DEPT: EXTR **DATE:** 5-24-10

5-24-3 **BATCH:** 0052409

	COMPUCHEM NUMBER	CLIENT SAMPLE ID	PARAMETER	
1	0052409-BLK1	SBLKCG		
2	0052409-BS1	SCGLCS		
3	0052409-BSD1	SCGLCSD		
4	1005133-02	SB74-4-5		
5	1005133-03	SS75-0-1		
6	1005133-04	SB75-3.5-4.5		
7	1005133-05	SS63-0-1		
8	1005133-06	SB63-5.5-6.5		
9	1005133-07	SS61-0-1		
10	1005133-08	SS61D-0-1		
11	1005133-09	SB61-6-7		
12	1005133-10	SB61D-6-7		
13	1005133-11	SS67-0-1		
14	1005133-12	SS72-0-1		
15	1005133-13	SB72-2-3		
16	1005133-14	SS88-0-1		
17	1005133-15	SB88-2.5-3.5		
18	1005133-16	SS76-0-1		
19	1005133-17	SB76-6-7		
20	1005133-18	SS87-0-1		
21	1005133-19	SB87-3-4		
22	1005133-20	SS68-0-1		
23				
24				
25				
26				
27				
28				

	RELINQUISHED BY	DATE/TIME		REC. BY	REASON
	[signature]	5-24-10	1850	GC Ref 3	Storage
	GCMS#3	6/2	0500	MW	analysis
	MW	6/2	0700	GCMS#3	storage
	GCMS#3	6/24	1000	MW	analysis
	MW	6/24	1500	GCMS#3	Storage
	GCMSR3	6-29-10	1100	ars	Analysis
	ars	6-29-10	1300	GCMS R3	Storage

COMPUCHEM

Internal Chain of Custody

RELINQUISHED:	GC/MSR3	**RECEIVED:**	ARS	**DATE/TIME:**	6-30-10 1200	**REASON:**	Analysis
RELINQUISHED:	ARS	**RECEIVED:**	GC/MS R3	**DATE/TIME:**	6-30-10 1500	**REASON:**	Storage
RELINQUISHED:		**RECEIVED:**		**DATE/TIME:**		**REASON:**	
RELINQUISHED:		**RECEIVED:**		**DATE/TIME:**		**REASON:**	
RELINQUISHED:		**RECEIVED:**		**DATE/TIME:**		**REASON:**	
RELINQUISHED:		**RECEIVED:**		**DATE/TIME:**		**REASON:**	
RELINQUISHED:		**RECEIVED:**		**DATE/TIME:**		**REASON:**	

BATCH NUMBER: _____

SDG#: _____

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Client: CH2M HILL, INC.

Work Order 1005133

Sdg: DRAFT 1005133

Sample Summary

Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM

Case:

Lab Number	Client Id	Sampled	Recieved	Extracted	Initial	Extract	Final	Spike	%Moist	PH	Batch	Analysis
1005133-01	DRAFT: SS73-0-1	5/14/10	5/14/10	5/20/10	10	1.34	10		4		0051921	Solids, Dry Weight
1005133-02	DRAFT: SB74-4-5	5/17/10	5/19/10	5/24/10	10	1.33	10		8		0052410	Solids, Dry Weight
1005133-03	DRAFT: SS75-0-1	5/17/10	5/19/10	5/24/10	10	1.33	10		15		0052410	Solids, Dry Weight
1005133-04	DRAFT: SB75-3.5-4.5	5/17/10	5/19/10	5/24/10	10	1.34	10		15		0052410	Solids, Dry Weight
1005133-05	DRAFT: SS63-0-1	5/18/10	5/19/10	5/24/10	10	1.31	10		6		0052410	Solids, Dry Weight
1005133-06	DRAFT: SB63-5.5-6.5	5/18/10	5/19/10	5/24/10	10	1.32	10		17		0052410	Solids, Dry Weight
1005133-07	DRAFT: SS61-0-1	5/18/10	5/19/10	5/24/10	10	1.33	10		8		0052410	Solids, Dry Weight
1005133-08	DRAFT: SS61D-0-1	5/18/10	5/19/10	5/24/10	10	1.34	10		7		0052410	Solids, Dry Weight
1005133-09	DRAFT: SB61-6-7	5/18/10	5/19/10	5/24/10	10	1.32	10		14		0052410	Solids, Dry Weight
1005133-10	DRAFT: SB61D-6-7	5/18/10	5/19/10	5/24/10	10	1.34	10		14		0052410	Solids, Dry Weight
1005133-11	DRAFT: SS67-0-1	5/18/10	5/19/10	5/24/10	10	1.32	10		55		0052410	Solids, Dry Weight
1005133-12	DRAFT: SS72-0-1	5/19/10	5/19/10	5/24/10	10	1.33	10		4		0052410	Solids, Dry Weight
1005133-13	DRAFT: SB72-2-3	5/19/10	5/19/10	5/24/10	10	1.33	10		13		0052410	Solids, Dry Weight
1005133-14	DRAFT: SS88-0-1	5/19/10	5/19/10	5/24/10	10	1.33	10		9		0052410	Solids, Dry Weight
1005133-15	DRAFT: SB88-2.5-3.5	5/19/10	5/19/10	5/24/10	10	1.34	10		27		0052410	Solids, Dry Weight
1005133-16	DRAFT: SS76-0-1	5/19/10	5/19/10	5/24/10	10	1.33	10		3		0052410	Solids, Dry Weight
1005133-17	DRAFT: SB76-6-7	5/19/10	5/19/10	5/24/10	10	1.32	10		17		0052410	Solids, Dry Weight
1005133-18	DRAFT: SS87-0-1	5/19/10	5/19/10	5/24/10	10	1.32	10		21		0052410	Solids, Dry Weight
1005133-19	DRAFT: SB87-3-4	5/19/10	5/19/10	5/24/10	10	1.31	10		27		0052410	Solids, Dry Weight

Client: CH2M HILL, INC.

Work Order 1005133

Sdg: DRAFT 1005133

Sample Summary

Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM

Case:

Lab Number	Client Id	Sampled	Recieved	Extracted	Initial	Extract	Final	Spike	%Moist	PH	Batch	Analysis
1005133-20	DRAFT: SS68-0-1	5/20/10	5/19/10	5/24/10	10	1.34	10		15		0052410	Solids, Dry Weight

LAB WO	Project	Sample #	Field ID	Sample Date	Receive Date	DueDate	Chain of Custody ID
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-20	SS68-0-1	05/20/2010	05/19/2010	06/10/2010	BBG-SS68-0-1-10B

C. SDG Data

1. QC Summary
2. Sample Data
3. Standards Data
4. Raw QC Data

LAB CODE: LIBRTY METHOD: 8270C

SDG # : 1005133

1. QC Summary

a. Surrogate Percent Recovery Summary (Form II SV)

b. Spike Summary - MS / MSD / LCS
(Form III SV)

c. Method Blank Summary (Form IV SV)

d. Internal Standard Area and RT Summary
(Form VIII SV)

a. Surrogate Percent Recovery Summary

(Form II SV)

FORM 2
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Level:(low/med) LOW

	CLIENT SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	SBPLCSD	73	56	78						0
02	SBLKBP	68	70	85						0
03	SBPLCS	57	56	72						0
04	SS73-0-1MS	66	70	67						0
05	SS73-0-1MSD	75	74	83						0
06	SS73-0-1	68	72	75						0
07	SBLKCG	61	52	89						0
08	SCGLCSD	83	54	91						0
09	SCGLCS	85	55	86						0
10	SS75-0-1	54	48	78						0
11	SS63-0-1	71	62	82						0
12	SB75-3.5-4.5	46	50	119						0
13	SB63-5.5-6.5	45	46	102						0
14	SS61-0-1	46	58	130*						1
15	SS61D-0-1	42	46	142*						1
16	SB61-6-7	46	48	128*						1
17	SS72-0-1	61	60	116						0
18	SB74-4-5	105*	55	89						1
19	SB61D-6-7	105*	60	84						1
20	SBLKGC	57	59	96						0
21	SS67-0-1	69	86	114						0
22	SB72-2-3	74	75	102						0
23	SS88-0-1	45	53	86						0
24	SB88-2.5-3.5	65	64	98						0
25	SS76-0-1	52	56	96						0
26	SB76-6-7	69	64	94						0
27	SS87-0-1	71	80	123						0
28	SB87-3-4	54	58	94						0

	QC LIMITS
S1 (NBZ) = Nitrobenzene-d5	(35-100)
S2 (FBP) = 2-Fluorobiphenyl	(45-105)
S3 (TPH) = Terphenyl-d14	(30-125)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM 2
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Level: (low/med) LOW

	CLIENT SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	SS68-0-1	68	78	106						0
02										
03										
04										
05										
06										
07										
08										
09										
10										
11										
12										
13										
14										
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17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										

	QC LIMITS
S1 (NBZ) = Nitrobenzene-d5	(35-100)
S2 (FBP) = 2-Fluorobiphenyl	(45-105)
S3 (TPH) = Terphenyl-d14	(30-125)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

b. Spike Summary - MS / MSD / LCS
(Form III SV)

FORM 3
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix Spike - Sample No.: SS73-0-1 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Naphthalene	17.36	0.9156	12.13	65	40-105
2-Methylnaphthalene	17.36	0	10.9	63	45-105
Acenaphthylene	17.36	0	13.85	80	50-105
Acenaphthene	17.36	0	13.38	77	45-110
Fluorene	17.36	0	8.113	47*	50-110
Phenanthrene	17.36	1.561	13.48	69	50-110
Anthracene	17.36	0	12.79	74	55-105
Fluoranthene	17.36	3.971	16.19	70	55-115
Pyrene	17.36	3.685	15.12	66	45-125
Benzo(a)anthracene	17.36	2.456	14.69	70	50-110
Chrysene	17.36	2.465	13.52	64	55-110
Benzo(b)fluoranthene	17.36	2.739	13.86	64	45-115
Benzo(k)fluoranthene	17.36	2.476	14.02	66	45-125
Benzo(a)pyrene	17.36	2.422	13.11	62	50-110
Indeno(1,2,3-cd)pyrene	17.36	1.613	9.069	43	40-125
Dibenzo(a,h)anthracene	17.36	0.4465	8.03	44	40-125
Benzo(g,h,i)perylene	17.36	1.242	8.103	40	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix Spike - Sample No.: SS73-0-1 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Naphthalene	17.36	13.08	70	8	30	40-105
2-Methylnaphthalene	17.36	11.71	67	7	30	45-105
Acenaphthylene	17.36	14.63	84	5	30	50-105
Acenaphthene	17.36	14.25	82	6	30	45-110
Fluorene	17.36	7.334	42*	10	30	50-110
Phenanthrene	17.36	15.39	80	13	30	50-110
Anthracene	17.36	14.91	86	15	30	55-105
Fluoranthene	17.36	19.23	88	17	30	55-115
Pyrene	17.36	18.19	84	18	30	45-125
Benzo(a)anthracene	17.36	16.95	83	14	30	50-110
Chrysene	17.36	15.59	76	14	30	55-110
Benzo(b)fluoranthene	17.36	16.73	81	19	30	45-115
Benzo(k)fluoranthene	17.36	16.68	82	17	30	45-125
Benzo(a)pyrene	17.36	15.27	74	15	30	50-110
Indeno(1,2,3-cd)pyrene	17.36	10.99	54	19	30	40-125
Dibenzo(a,h)anthracene	17.36	9.911	55	21	30	40-125
Benzo(g,h,i)perylene	17.36	10.04	51	21	30	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 17 outside limits
Spike Recovery: 2 out of 34 outside limits

COMMENTS: _____

3D
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

SBPLCS

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix Spike - EPA Sample No.: SBPLCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Naphthalene	16.67		10.24	61	40-105
2-Methylnaphthalene	16.67		9.289	56	45-105
Acenaphthylene	16.67		10.23	61	50-105
Acenaphthene	16.67		10.44	63	45-110
Fluorene	16.67		8.554	51	50-110
Phenanthrene	16.67		11.69	70	50-110
Anthracene	16.67		11.02	66	55-105
Fluoranthene	16.67		10.75	64	55-115
Pyrene	16.67		10.95	66	45-125
Benzo(a)anthracene	16.67		13.76	83	50-110
Chrysene	16.67		12.87	77	55-110
Benzo(b)fluoranthene	16.67		13.44	81	45-115
Benzo(k)fluoranthene	16.67		12.7	76	45-125
Benzo(a)pyrene	16.67		11.38	68	50-110
Indeno(1,2,3-cd)pyrene	16.67		10.78	65	40-125
Dibenzo(a,h)anthracene	16.67		10.59	64	40-125
Benzo(g,h,i)perylene	16.67		9.696	58	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

3D
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

SBPLCS

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix Spike - EPA Sample No.: SBPLCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	REC.
Naphthalene	16.67	13.41	80	27	30	40-105
2-Methylnaphthalene	16.67	12.25	73	26	30	45-105
Acenaphthylene	16.67	12.09	73	18	30	50-105
Acenaphthene	16.67	12.95	78	21	30	45-110
Fluorene	16.67	11.73	70	31*	30	50-110
Phenanthrene	16.67	14.82	89	24	30	50-110
Anthracene	16.67	13.33	80	19	30	55-105
Fluoranthene	16.67	11.27	68	6	30	55-115
Pyrene	16.67	11.56	69	4	30	45-125
Benzo(a)anthracene	16.67	16.25	97	16	30	50-110
Chrysene	16.67	16.46	99	25	30	55-110
Benzo(b)fluoranthene	16.67	15.74	94	15	30	45-115
Benzo(k)fluoranthene	16.67	15.61	94	21	30	45-125
Benzo(a)pyrene	16.67	13.93	84	21	30	50-110
Indeno(1,2,3-cd)pyrene	16.67	14.87	89	31*	30	40-125
Dibenzo(a,h)anthracene	16.67	14.81	89	33*	30	40-125
Benzo(g,h,i)perylene	16.67	14.41	86	39*	30	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 4 out of 17 outside limits
Spike Recovery: 0 out of 34 outside limits

COMMENTS: _____

3D
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

SCGLCS

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix Spike - EPA Sample No.: SCGLCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Naphthalene	16.67		12.67	76	40-105
2-Methylnaphthalene	16.67		13.78	83	45-105
Acenaphthylene	16.67		13.08	78	50-105
Acenaphthene	16.67		12.51	75	45-110
Fluorene	16.67		12.52	75	50-110
Phenanthrene	16.67		13.78	83	50-110
Anthracene	16.67		16.64	100	55-105
Fluoranthene	16.67		15.75	94	55-115
Pyrene	16.67		15	90	45-125
Benzo(a)anthracene	16.67		15.47	93	50-110
Chrysene	16.67		16.38	98	55-110
Benzo(b)fluoranthene	16.67		12.78	77	45-115
Benzo(k)fluoranthene	16.67		17.58	105	45-125
Benzo(a)pyrene	16.67		14.7	88	50-110
Indeno(1,2,3-cd)pyrene	16.67		12.31	74	40-125
Dibenzo(a,h)anthracene	16.67		14.28	86	40-125
Benzo(g,h,i)perylene	16.67		13.29	80	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

3D
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

SCGLCS

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix Spike - EPA Sample No.: SCGLCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Naphthalene	16.67	12.42	75	1	30	40-105
2-Methylnaphthalene	16.67	12.47	75	10	30	45-105
Acenaphthylene	16.67	11.93	72	8	30	50-105
Acenaphthene	16.67	11.44	69	8	30	45-110
Fluorene	16.67	11.27	68	10	30	50-110
Phenanthrene	16.67	12.27	74	11	30	50-110
Anthracene	16.67	14.69	88	13	30	55-105
Fluoranthene	16.67	16.27	98	4	30	55-115
Pyrene	16.67	15.45	93	3	30	45-125
Benzo(a)anthracene	16.67	14.98	90	3	30	50-110
Chrysene	16.67	15.79	95	3	30	55-110
Benzo(b)fluoranthene	16.67	12.4	74	4	30	45-115
Benzo(k)fluoranthene	16.67	17.07	102	3	30	45-125
Benzo(a)pyrene	16.67	13.89	83	6	30	50-110
Indeno(1,2,3-cd)pyrene	16.67	11.48	69	7	30	40-125
Dibenzo(a,h)anthracene	16.67	13.54	81	6	30	40-125
Benzo(g,h,i)perylene	16.67	12.32	74	8	30	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 17 outside limits
Spike Recovery: 0 out of 34 outside limits

COMMENTS: _____

c. Method Blank Summary (Form IV SV)

If more than a single form is necessary, forms shall be arranged in chronological order by date of analysis of the blanks and by instrument.

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

SBLKBP

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab File ID: 0051920-BLK1JC66 Lab Sample ID: 0051920-BLK1

Instrument ID: 5972HP66 Date Extracted: 05/20/10

Matrix: (soil/water) SOIL Date Analyzed: 05/26/10

Level:(low/med) LOW Time Analyzed: 0647

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SBPLCSD	0051920-BSD1	0051920-BSD1	05/26/10
02	SBPLCS	0051920-BS1	0051920-BS1J	05/26/10
03	SS73-0-1MS	0051920-MS2	0051920-MS2J	05/26/10
04	SS73-0-1MSD	0051920-MSD2	0051920-MSD2	05/26/10
05	SS73-0-1	1005133-01	1005133-01JC	05/26/10
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COMMENTS:

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

SBLKCG

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab File ID: 0052409-BLK1C66 Lab Sample ID: 0052409-BLK1

Instrument ID: 5972HP66 Date Extracted: 05/24/10

Matrix: (soil/water) SOIL Date Analyzed: 06/02/10

Level: (low/med) LOW Time Analyzed: 0649

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SCGLCSD	0052409-BSD1	0052409-BSD1	06/02/10
02	SCGLCS	0052409-BS1	0052409-BS1J	06/02/10
03	SS75-0-1	1005133-03	1005133-03C6	06/02/10
04	SS63-0-1	1005133-05	1005133-05C6	06/02/10
05	SB75-3.5-4.5	1005133-04	1005133-04JA	06/24/10
06	SB63-5.5-6.5	1005133-06	1005133-06A6	06/24/10
07	SS61-0-1	1005133-07	1005133-07A6	06/24/10
08	SS61D-0-1	1005133-08	1005133-08A6	06/24/10
09	SB61-6-7	1005133-09	1005133-09A6	06/24/10
10	SS72-0-1	1005133-12	1005133-12A6	06/25/10
11	SB74-4-5	1005133-02	1005133-02J3	06/30/10
12	SB61D-6-7	1005133-10	1005133-10J3	06/30/10
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COMMENTS:

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

SBLKGC

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab File ID: 0052409-BLK1JA70 Lab Sample ID: 0052409-BLK2

Instrument ID: 5972HP70 Date Extracted: 05/24/10

Matrix: (soil/water) SOIL Date Analyzed: 07/01/10

Level:(low/med) LOW Time Analyzed: 1501

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SS67-0-1	1005133-11	1005133-11J2	07/01/10
02	SB72-2-3	1005133-13	1005133-13J2	07/01/10
03	SS88-0-1	1005133-14	1005133-14J2	07/01/10
04	SB88-2.5-3.5	1005133-15	1005133-15JA	07/01/10
05	SS76-0-1	1005133-16	1005133-16JA	07/01/10
06	SB76-6-7	1005133-17	1005133-17JA	07/01/10
07	SS87-0-1	1005133-18	1005133-18JA	07/01/10
08	SB87-3-4	1005133-19	1005133-19JA	07/01/10
09	SS68-0-1	1005133-20	1005133-20JA	07/01/10
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COMMENTS:

d. Internal Standard Area and RT Summary (Form VIII SV)

If more than a single form is necessary, forms shall be arranged in chronological order, by instrument.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab File ID (Standard): 0E25012-CCV1A66 Date Analyzed: 05/25/10

Instrument ID: 5972HP66 Time Analyzed: 1842

		IS1(CRY) AREA #	RT #	IS2(PRY) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	85416	19.33	76342	21.95	32289	5.55
	UPPER LIMIT	170832	19.83	152684	22.45	64578	6.05
	LOWER LIMIT	42708	18.83	38171	21.45	16145	5.05
	CLIENT SAMPLE NO.						
01	SBPLCSD	137416	19.32	131639	21.95	28030	5.56
02							
03							
04							
05							
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18							
19							
20							

IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab File ID (Standard): 0E25012-CCV1A66 Date Analyzed: 05/25/10

Instrument ID: 5972HP66 Time Analyzed: 1842

		IS4 (NPT) AREA #	RT #	IS5 (ANT) AREA #	RT #	IS6 (PHN) AREA #	RT #
	12 HOUR STD	112116	7.80	52762	11.22	93685	14.09
	UPPER LIMIT	224232	8.30	105524	11.72	187370	14.59
	LOWER LIMIT	56058	7.30	26381	10.72	46843	13.59
	CLIENT SAMPLE NO.						
01	SBPLCSD	100906	7.80	46346	11.22	86084	14.09
02							
03							
04							
05							
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IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab File ID (Standard): 0E26002-CCV1C66 Date Analyzed: 05/26/10

Instrument ID: 5972HP66 Time Analyzed: 0611

		IS1(CRY) AREA	#	RT	#	IS2(PRY) AREA	#	RT	#	IS3(DCB) AREA	#	RT	#
	12 HOUR STD	157952		19.34		126573		21.96		41032		5.56	
	UPPER LIMIT	315904		19.84		253146		22.46		82064		6.06	
	LOWER LIMIT	78976		18.84		63287		21.46		20516		5.06	
	CLIENT SAMPLE NO.												
01	SBLKBP	179070		19.34		144331		21.96		45579		5.57	
02	SBPLCS	140645		19.34		109682		21.96		27317		5.56	
03	SS73-0-1MS	260847		19.34		184638		21.96		35850		5.57	
04	SS73-0-1MSD	225612		19.34		133189		21.96		25953		5.56	
05	SS73-0-1	269995		19.34		180973		21.96		38687		5.57	
06													
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20													

IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab File ID (Standard): 0E26002-CCV1C66 Date Analyzed: 05/26/10

Instrument ID: 5972HP66 Time Analyzed: 0611

		IS4(NPT) AREA	#	RT	#	IS5(ANT) AREA	#	RT	#	IS6(PHN) AREA	#	RT	#
	12 HOUR STD	146916		7.80		68609		11.23		134040		14.10	
	UPPER LIMIT	293832		8.30		137218		11.73		268080		14.60	
	LOWER LIMIT	73458		7.30		34305		10.73		67020		13.60	
	CLIENT SAMPLE NO.												
01	SBLKBP	161749		7.81		74966		11.23		141759		14.10	
02	SBPLCS	94276		7.80		45876		11.23		96377		14.10	
03	SS73-0-1MS	134122		7.81		69203		11.23		211174		14.10	
04	SS73-0-1MSD	92547		7.82		46884		11.23		197683		14.10	
05	SS73-0-1	142114		7.81		70709		11.23		217748		14.10	
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IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab File ID (Standard): 0F02003-CCV1C66 Date Analyzed: 06/02/10

Instrument ID: 5972HP66 Time Analyzed: 0027

		IS1(CRY) AREA #	RT #	IS2(PRY) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	134828	19.35	113722	21.99	52288	5.53
	UPPER LIMIT	269656	19.85	227444	22.49	104576	6.03
	LOWER LIMIT	67414	18.85	56861	21.49	26144	5.03
	CLIENT SAMPLE NO.						
01	SBLKCG	81270	19.35	69945	21.99	40072	5.54
02	SCGLCSD	124705	19.34	101382	21.99	64166	5.56
03	SCGLCS	170421	19.34	142314	21.99	70448	5.54
04	SS75-0-1	136020	19.35	109153	21.99	67675	5.55
05	SS63-0-1	144635	19.37	111336	22.00	69168	5.54
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IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab File ID (Standard): 0F02003-CCV1C66 Date Analyzed: 06/02/10

Instrument ID: 5972HP66 Time Analyzed: 0027

		IS4(NPT) AREA #	RT #	IS5(ANT) AREA #	RT #	IS6(PHN) AREA #	RT #
	12 HOUR STD	154045	7.79	85436	11.20	152743	14.10
	UPPER LIMIT	308090	8.29	170872	11.70	305486	14.60
	LOWER LIMIT	77023	7.29	42718	10.70	76371	13.60
	CLIENT SAMPLE NO.						
01	SBLKCG	115437	7.79	52996	11.22	94129	14.10
02	SCGLCSD	202057	7.79	96622	11.21	172390	14.10
03	SCGLCS	236680	7.79	111598	11.20	196645	14.09
04	SS75-0-1	226837	7.78	95388	11.20	155595	14.09
05	SS63-0-1	247983	7.79	100627	11.22	181907	14.10
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IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab File ID (Standard): 0F24005-CCV1A66 Date Analyzed: 06/24/10

Instrument ID: 5972HP66 Time Analyzed: 1439

		IS1(CRY) AREA #	RT #	IS2(PRY) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	60962	19.20	58769	21.82	22670	5.45
	UPPER LIMIT	121924	19.70	117538	22.32	45340	5.95
	LOWER LIMIT	30481	18.70	29385	21.32	11335	4.95
	CLIENT SAMPLE NO.						
01	SB75-3.5-4.5	43238	19.24	36951	21.86	18110	5.48
02	SB63-5.5-6.5	89599	19.24	70430	21.86	36048	5.48
03	SS61-0-1	52838	19.24	45060	21.86	26814	5.48
04	SS61D-0-1	49432	19.23	36986	21.86	12632	5.47
05	SB61-6-7	37271	19.24	30861	21.86	14578	5.47
06	SS72-0-1	72326	19.23	64424	21.86	28973	5.48
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IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab File ID (Standard): 0F24005-CCV1A66 Date Analyzed: 06/24/10

Instrument ID: 5972HP66 Time Analyzed: 1439

		IS4(NPT) AREA #	RT #	IS5(ANT) AREA #	RT #	IS6(PHN) AREA #	RT #
	12 HOUR STD	71920	7.69	38303	11.10	68117	13.97
	UPPER LIMIT	143840	8.19	76606	11.60	136234	14.47
	LOWER LIMIT	35960	7.19	19151	10.60	34059	13.47
	CLIENT SAMPLE NO.						
01	SB75-3.5-4.5	50698	7.71	28410	11.13	58340	14.00
02	SB63-5.5-6.5	113936	7.72	64684	11.13	122648	14.00
03	SS61-0-1	82533	7.71	46542	11.13	87208	14.00
04	SS61D-0-1	41931	7.71	32180	11.13	83916	14.00
05	SB61-6-7	37861	7.70	23392	11.13	53957	14.00
06	SS72-0-1	86634	7.71	46582	11.13	90206	14.00
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IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab File ID (Standard): 0F30009-CCV2A66 Date Analyzed: 06/30/10

Instrument ID: 5972HP66 Time Analyzed: 1333

		IS1(CRY) AREA #	RT #	IS2(PRY) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	16553	19.14	12421	21.76	13040	5.39
	UPPER LIMIT	33106	19.64	24842	22.26	26080	5.89
	LOWER LIMIT	8277	18.64	6211	21.26	6520	4.89
	CLIENT SAMPLE NO.						
01	SB74-4-5	25947	19.14	21067	21.76	22385	5.42
02	SB61D-6-7	21202	19.14	18318	21.76	19834	5.41
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IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab File ID (Standard): 0F30009-CCV2A66 Date Analyzed: 06/30/10

Instrument ID: 5972HP66 Time Analyzed: 1333

		IS4 (NPT) AREA #	RT #	IS5 (ANT) AREA #	RT #	IS6 (PHN) AREA #	RT #
	12 HOUR STD	33508	7.64	14209	11.04	22345	13.91
	UPPER LIMIT	67016	8.14	28418	11.54	44690	14.41
	LOWER LIMIT	16754	7.14	7105	10.54	11173	13.41
	CLIENT SAMPLE NO.						
01	SB74-4-5	54339	7.64	22585	11.04	33128	13.92
02	SB61D-6-7	39350	7.64	15215	11.04	25797	13.92
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IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab File ID (Standard): 0G01008-CCV1A70 Date Analyzed: 07/01/10

Instrument ID: 5972HP70 Time Analyzed: 1139

		IS1(CRY) AREA #	RT #	IS2(PRY) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	125239	19.48	114589	22.31	26498	4.82
	UPPER LIMIT	250478	19.98	229178	22.81	52996	5.32
	LOWER LIMIT	62619	18.98	57295	21.81	13249	4.32
	CLIENT SAMPLE NO.						
01	SBLKGC	137015	19.49	130070	22.33	36610	4.85
02	SS67-0-1	121322	19.48	97013	22.33	43518	4.84
03	SB72-2-3	124880	19.48	119550	22.34	34200	4.84
04	SS88-0-1	194804	19.48	199995	22.32	38308	4.84
05	SB88-2.5-3.5	124842	19.49	114892	22.33	32722	4.85
06	SS76-0-1	151855	19.48	143285	22.33	39448	4.84
07	SB76-6-7	146116	19.48	136010	22.34	37544	4.84
08	SS87-0-1	80594	19.49	59695	22.34	33410	4.84
09	SB87-3-4	157483	19.49	148151	22.34	39832	4.84
10	SS68-0-1	91509	19.49	69053	22.34	43000	4.84
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IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Lab File ID (Standard): 0G01008-CCV1A70 Date Analyzed: 07/01/10

Instrument ID: 5972HP70 Time Analyzed: 1139

		IS4(NPT) AREA #	RT #	IS5(ANT) AREA #	RT #	IS6(PHN) AREA #	RT #
	12 HOUR STD	99928	7.13	65800	10.76	139762	13.85
	UPPER LIMIT	199856	7.63	131600	11.26	279524	14.35
	LOWER LIMIT	49964	6.63	32900	10.26	69881	13.35
	CLIENT SAMPLE NO.						
01	SBLKGC	138980	7.15	91295	10.78	178265	13.86
02	SS67-0-1	164377	7.14	96280	10.76	175239	13.85
03	SB72-2-3	122949	7.14	72582	10.76	148835	13.85
04	SS88-0-1	158005	7.14	109369	10.76	228445	13.85
05	SB88-2.5-3.5	121345	7.15	75791	10.77	153290	13.86
06	SS76-0-1	151306	7.14	96111	10.77	194739	13.85
07	SB76-6-7	137771	7.14	86931	10.77	176408	13.86
08	SS87-0-1	128384	7.14	77997	10.77	144357	13.85
09	SB87-3-4	154505	7.15	97706	10.77	193760	13.85
10	SS68-0-1	148343	7.15	85648	10.77	141390	13.86
11							
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IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

2. Sample Data

Sample data shall be arranged in packets with the Organic Analysis Data Sheet (Form I SV), followed by the raw data for semivolatile samples. These sample packets shall be placed in increasing Client Sample ID number order, considering both letters and numbers.

a. Target Analyte Results (Form I SV)

Tabulated results (identification and quantitation) shall be included.

b. Chromatograms

Include for each sample or sample extract, including dilutions and reanalyses. The chromatogram shall contain the following header information: Client Sample ID number, date and time of analysis, GC/MS instrument identifier, lab file identifier, and analyst ID.

c. Quantitation Report showing calculations for target analytes

- Include a printout of the Enhanced Ion Current Profile (EICP) for all manual changes to the compounds, internal standard, and/or surrogate compound.

d. Copies of raw spectra and copies of background-subtracted mass spectra of target analytes identified in the sample.

- The spectra shall include the following information: Client Sample ID number, Lab file ID, date and time of analysis, and instrument ID.
- The compound name must be clearly marked.

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SB61-6-7

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/18/10

Lab Sample ID: 1005133-09
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005133-09A66
Analyst: MEW

% Moisture: 14 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK1

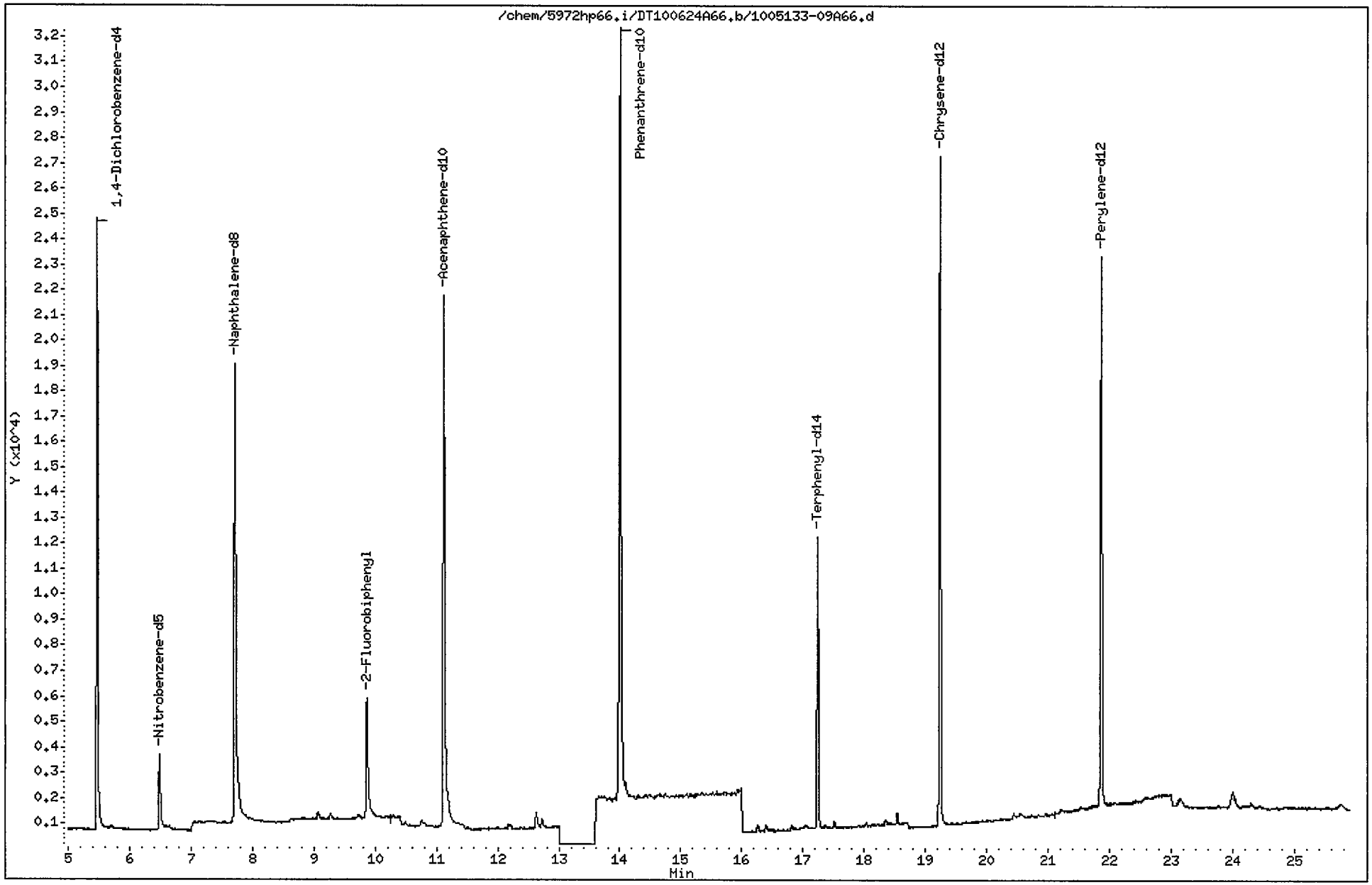
Date Extracted: 05/24/10
Date Analyzed: 06/24/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.83	9.7	ND	U
91-57-6	2-Methylnaphthalene	0.79	9.7	ND	U
208-96-8	Acenaphthylene	0.62	9.7	ND	U
83-32-9	Acenaphthene	0.70	9.7	ND	U
86-73-7	Fluorene	0.52	9.7	ND	U
85-01-8	Phenanthrene	1.5	9.7	ND	U
120-12-7	Anthracene	0.50	9.7	ND	U
206-44-0	Fluoranthene	1.6	9.7	ND	U
129-00-0	Pyrene	0.66	9.7	ND	U
56-55-3	Benzo(a)anthracene	0.66	9.7	ND	U
218-01-9	Chrysene	0.74	9.7	ND	U
205-99-2	Benzo(b)fluoranthene	0.66	9.7	ND	U
207-08-9	Benzo(k)fluoranthene	0.50	9.7	ND	U
50-32-8	Benzo(a)pyrene	0.45	9.7	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.43	9.7	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.39	9.7	ND	U
191-24-2	Benzo(g,h,i)perylene	0.45	9.7	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp66.i/DT100624A66.b/1005133-09A66.d
Date : 24-JUN-2010 22:41
Client ID: SB61-6-7
Sample Info: 1005133-09:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp66.i/DT100624A66.b/1005133-09A66.d
Report Date: 25-Jun-2010 11:33

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DT100624A66.b/1005133-09A66.d
Lab Smp Id: 1005133-09 Client Smp ID: SB61-6-7
Inj Date : 24-JUN-2010 22:41
Operator : MEW Inst ID: 5972hp66.i
Smp Info : 1005133-09:MEW
Misc Info : SB61-6-7
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DT100624A66.b/SIM_8270Cv3DOD.m
Meth Date : 25-Jun-2010 10:58 byrd Quant Type: ISTD
Cal Date : 20-JUN-2010 11:07 Cal File: 0F20001-CAL5A66.d
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	14.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
* 1	1,4-Dichlorobenzene-d4	152	5.472	5.451	(1.000)	14578	2.00000		
* 2	Naphthalene-d8	136	7.705	7.694	(1.000)	37861	2.00000		
* 3	Acenaphthene-d10	164	11.128	11.104	(1.000)	23392	2.00000		
* 4	Phenanthrene-d10	188	14.002	13.968	(1.000)	53957	2.00000		
* 5	Chrysene-d12	240	19.235	19.204	(1.000)	37271	2.00000	(M)	
* 6	Perylene-d12	264	21.860	21.824	(1.000)	30861	2.00000		
$ 9	Nitrobenzene-d5	82	6.486	6.461	(0.842)	4241	0.45709	8.9	
$ 10	2-Fluorobiphenyl	172	9.864	9.846	(0.886)	8841	0.47735	9.3	
$ 12	Terphenyl-d14	244	17.243	17.217	(0.896)	14890	1.28461	25(RM)	
13	Naphthalene	128	Compound Not Detected.						
15	2-Methylnaphthalene	141	Compound Not Detected.						
17	Acenaphthylene	152	Compound Not Detected.						
18	Acenaphthene	154	Compound Not Detected.						

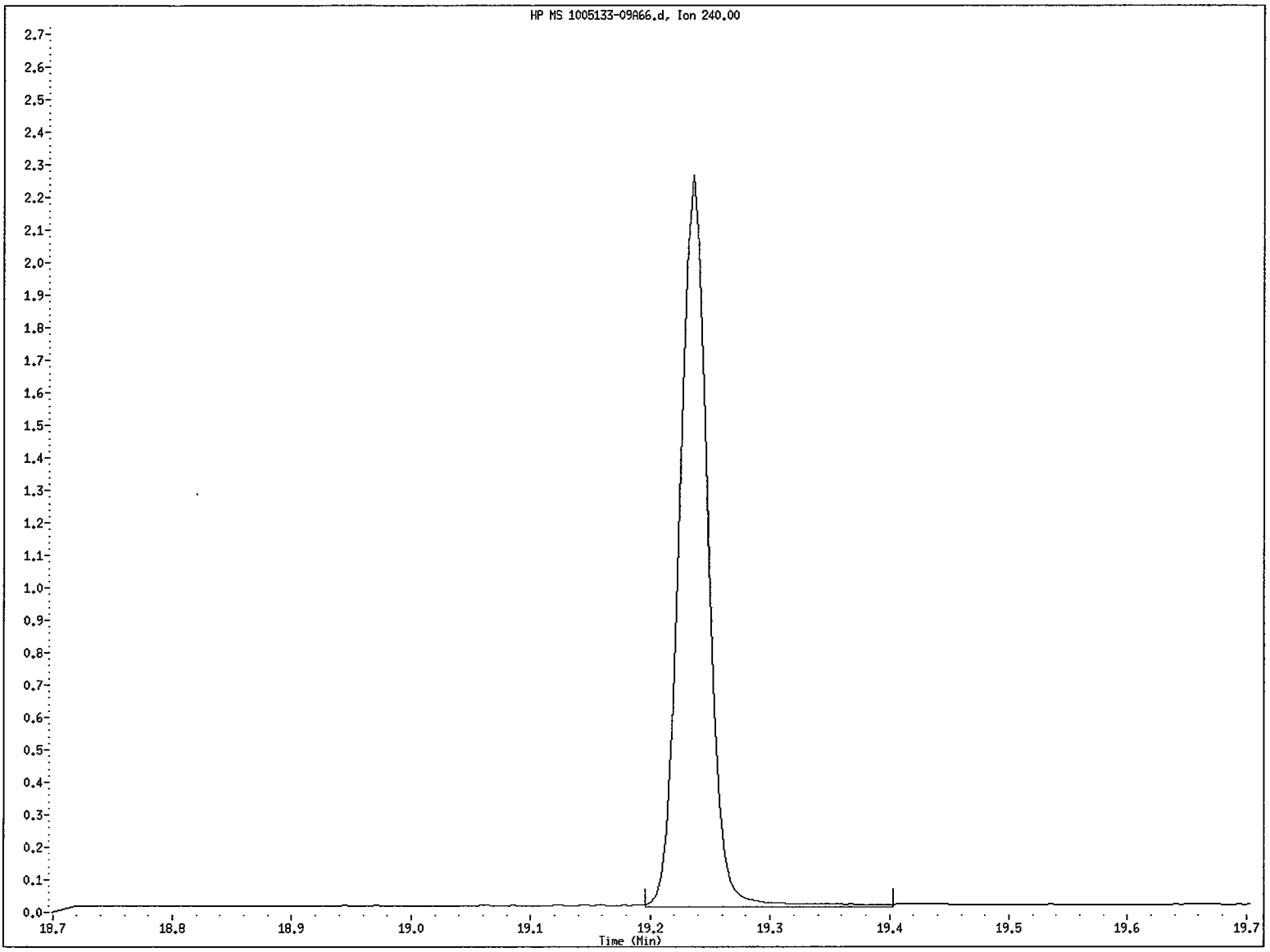
Data File: /chem/5972hp66.i/DT100624A66.b/1005133-09A66.d
Report Date: 25-Jun-2010 11:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

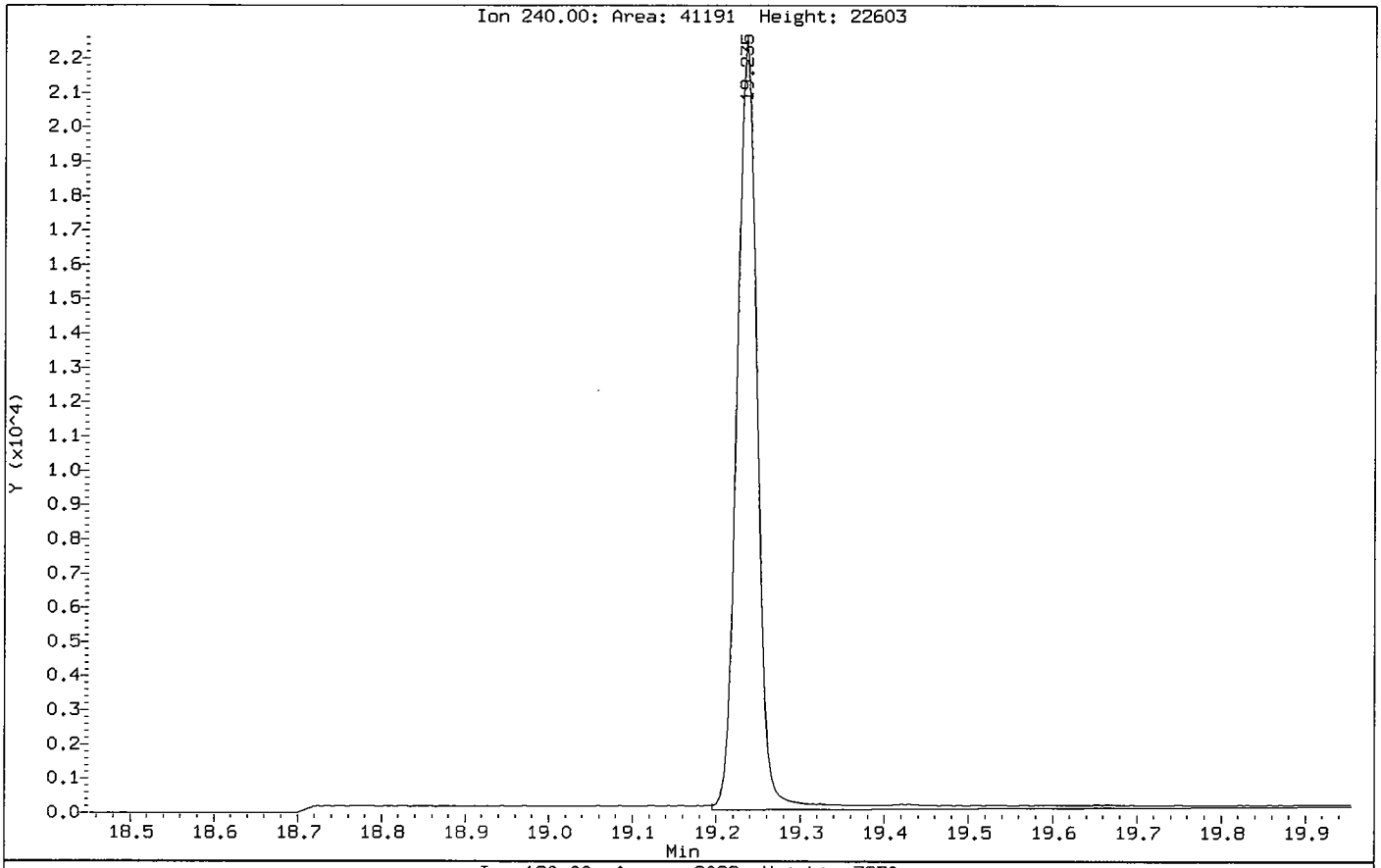
Chrysene-d12 CAS Number 1719-03-5 Area = 37271 Manually integrated

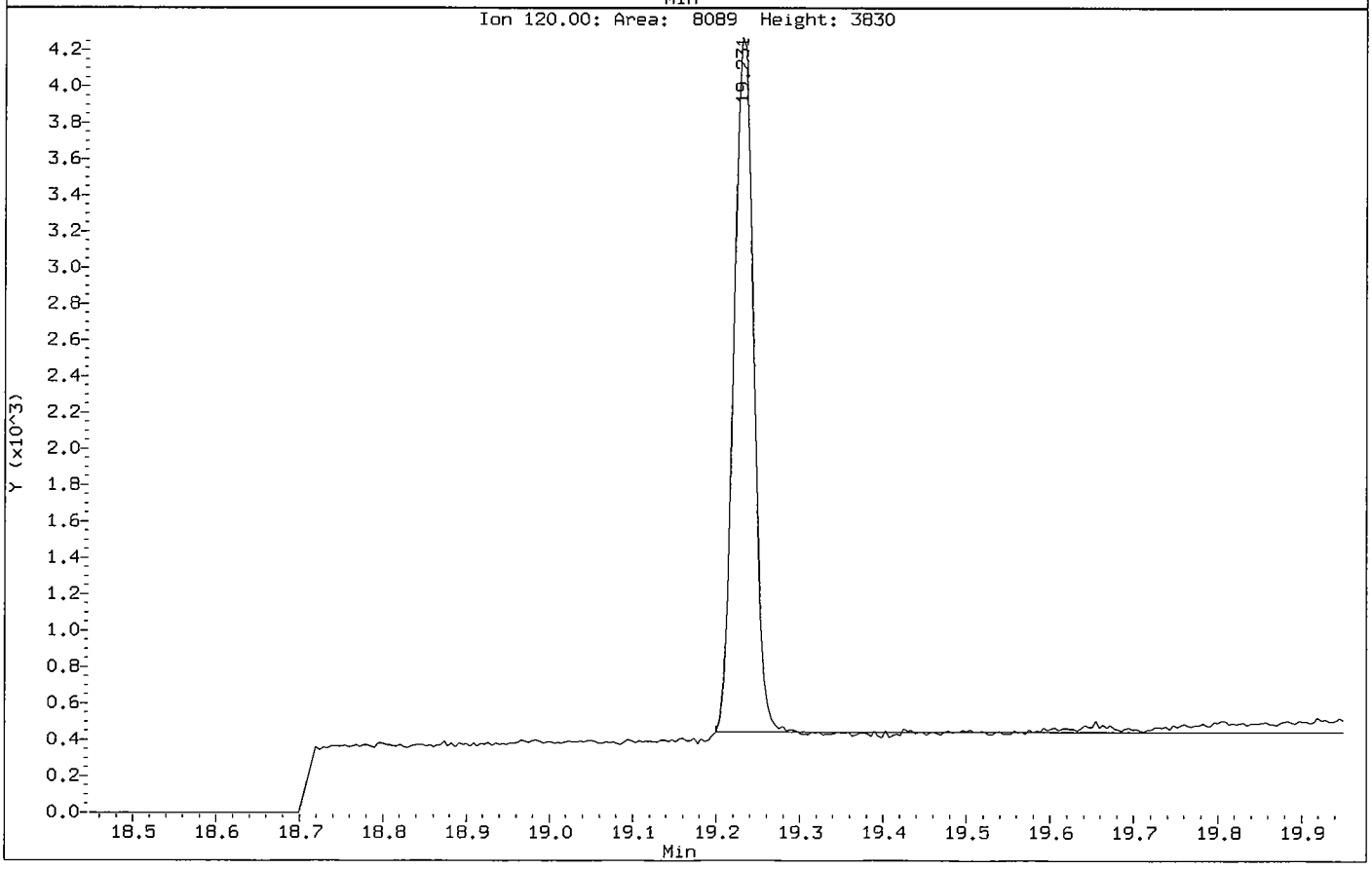


File name: /chem/5972hp66.i/DT100624A66.b/1005133-09A66.d
Client ID: SB61-6-7
Instrument ID: 5972hp66.i
Injection Date and Time: 24-JUN-2010 22:41
Retention Time: 19.24
Operator ID: MEW

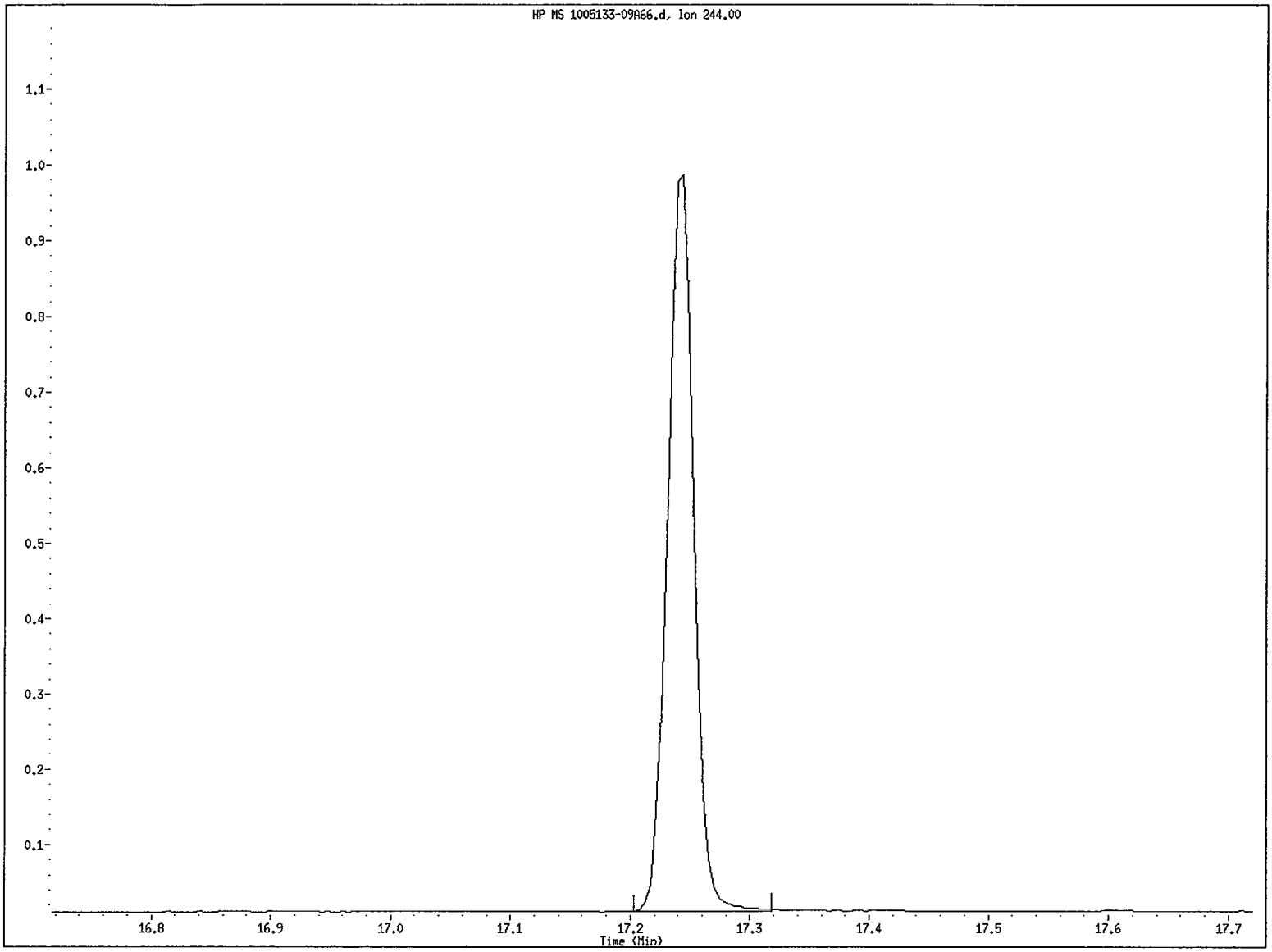
Data File: /chem/5972hp66.i/DT100624A66.b/1005133-09A66.d
Injection Date: 24-JUN-2010 22:41
Instrument: 5972hp66.i
Client Sample ID: SB61-6-7

Compound: Chrysene-d12
CAS Number: 1719-03-5





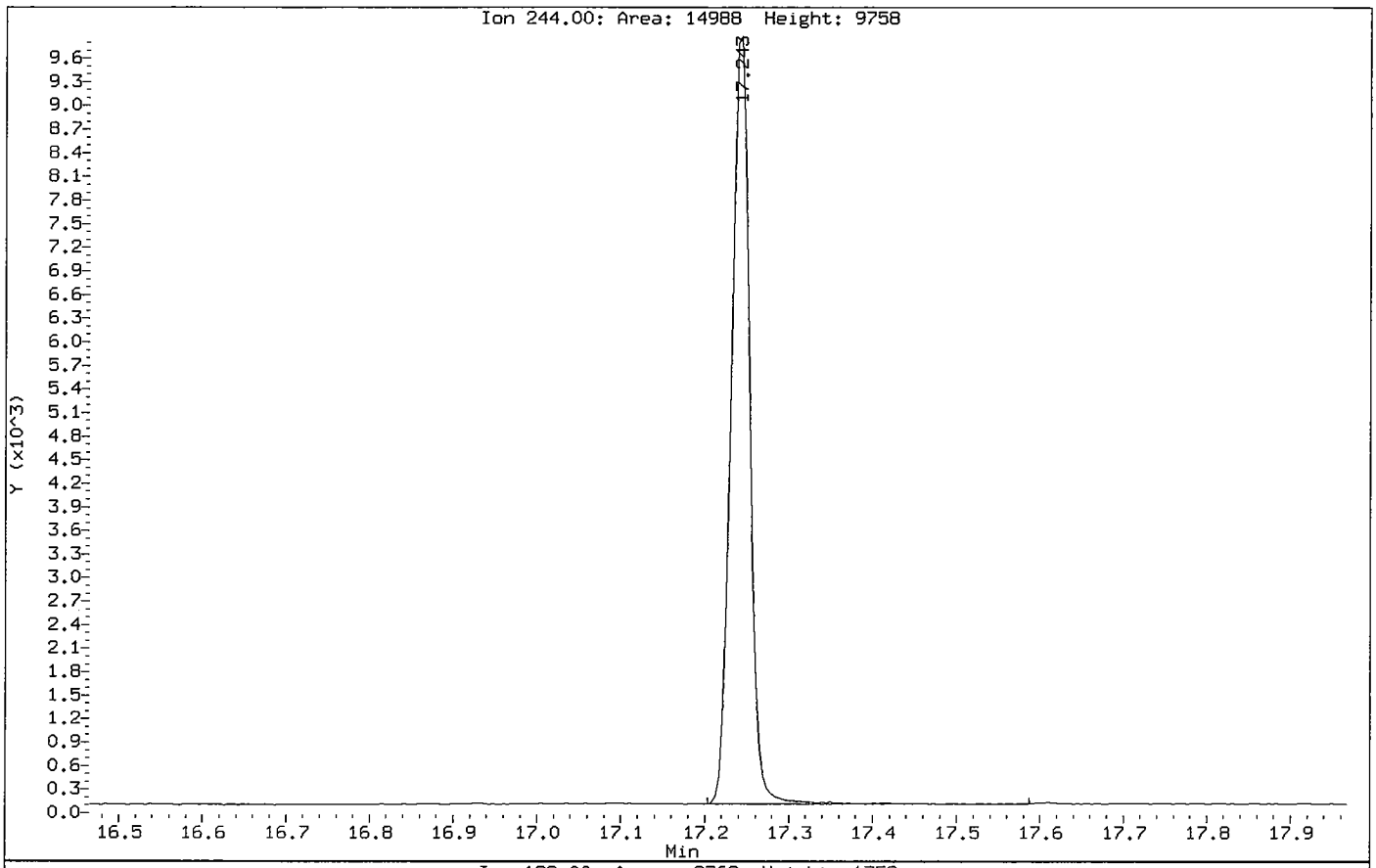
Terphenyl-d14 CAS Number 98904-43-9 Area = 14890 Manually integrated

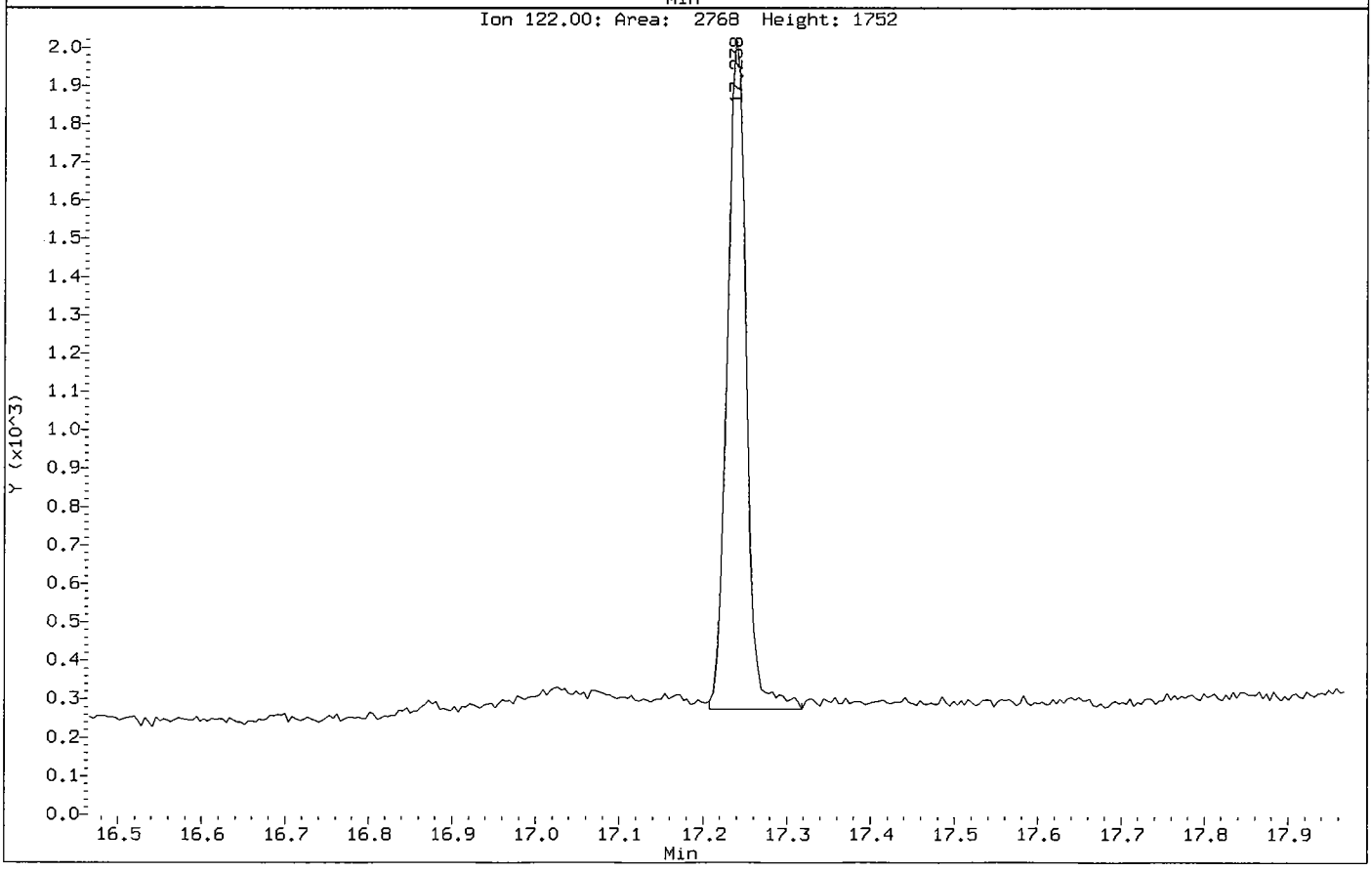


File name: /chem/5972hp66.i/DT100624A66.b/1005133-09A66.d
Client ID: SB61-6-7
Instrument ID: 5972hp66.i
Injection Date and Time: 24-JUN-2010 22:41
Retention Time: 17.24
Operator ID: MEW

Data File: /chem/5972hp66.i/DT100624A66.b/1005133-09A66.d
Injection Date: 24-JUN-2010 22:41
Instrument: 5972hp66.i
Client Sample ID: SB61-6-7

Compound: Terphenyl-d14
CAS Number: 98904-43-9





1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SB61D-6-7

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/18/10

Lab Sample ID: 1005133-10
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005133-10J3A66
Analyst: OWS

% Moisture: 14 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK1

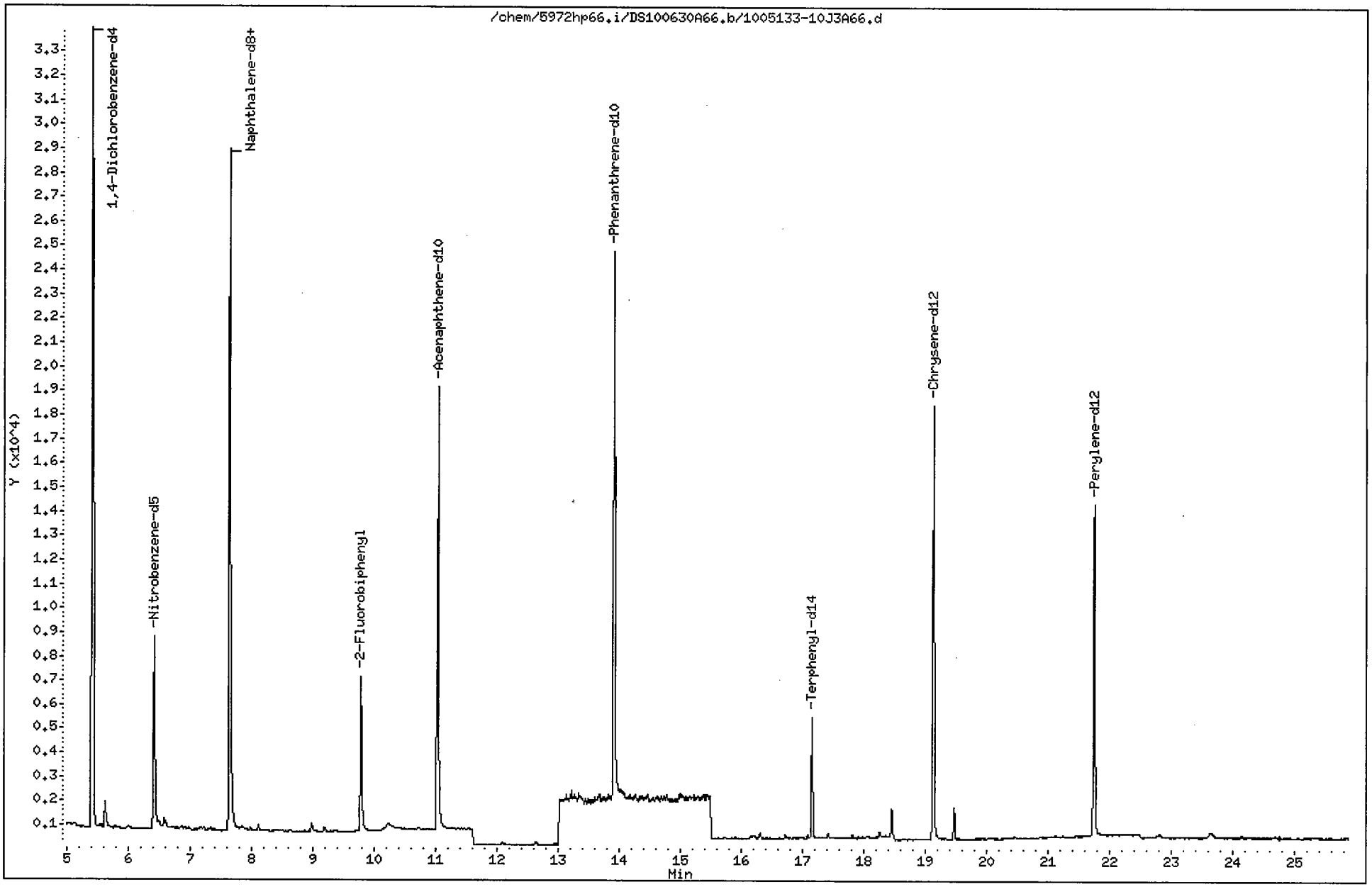
Date Extracted: 05/24/10
Date Analyzed: 06/30/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.83	9.7	1.2	J
91-57-6	2-Methylnaphthalene	0.79	9.7	ND	U
208-96-8	Acenaphthylene	0.62	9.7	ND	U
83-32-9	Acenaphthene	0.70	9.7	ND	U
86-73-7	Fluorene	0.52	9.7	ND	U
85-01-8	Phenanthrene	1.5	9.7	ND	U
120-12-7	Anthracene	0.50	9.7	ND	U
206-44-0	Fluoranthene	1.6	9.7	ND	U
129-00-0	Pyrene	0.66	9.7	ND	U
56-55-3	Benzo(a)anthracene	0.66	9.7	ND	U
218-01-9	Chrysene	0.74	9.7	ND	U
205-99-2	Benzo(b)fluoranthene	0.66	9.7	ND	U
207-08-9	Benzo(k)fluoranthene	0.50	9.7	ND	U
50-32-8	Benzo(a)pyrene	0.45	9.7	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.43	9.7	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.39	9.7	ND	U
191-24-2	Benzo(g,h,i)perylene	0.45	9.7	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp66.i/DS100630A66.b/1005133-10J3A66.d
Date : 30-JUN-2010 17:01
Client ID: SB61D-6-7
Sample Info: 1005133-10:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100630A66.b/1005133-10J3A66.d
Report Date: 02-Jul-2010 15:33

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100630A66.b/1005133-10J3A66.d
Lab Smp Id: 1005133-10 Client Smp ID: SB61D-6-7
Inj Date : 30-JUN-2010 17:01
Operator : OWS Inst ID: 5972hp66.i
Smp Info : 1005133-10:OWS
Misc Info : SB61D-6-7
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100630A66.b/SIM_8270Cv3DOD.m
Meth Date : 02-Jul-2010 15:28 byrd Quant Type: ISTD
Cal Date : 29-JUN-2010 21:07 Cal File: 0F29011-CAL5A66.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	14.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)	
* 1	1,4-Dichlorobenzene-d4	152	5.411	5.392	(1.000)	19834	2.00000		
* 2	Naphthalene-d8	136	7.643	7.637	(1.000)	39350	2.00000		
* 3	Acenaphthene-d10	164	11.041	11.042	(1.000)	15215	2.00000		
* 4	Phenanthrene-d10	188	13.916	13.912	(1.000)	25797	2.00000		
* 5	Chrysene-d12	240	19.141	19.137	(1.000)	21202	2.00000		
* 6	Perylene-d12	264	21.757	21.756	(1.000)	18318	2.00000		
$ 9	Nitrobenzene-d5	82	6.418	6.410	(0.840)	11569	1.04796	20(R)	
$ 10	2-Fluorobiphenyl	172	9.785	9.785	(0.886)	7651	0.59757	12	
$ 12	Terphenyl-d14	244	17.156	17.157	(0.896)	5352	0.83511	16	
13	Naphthalene	128	7.675	7.670	(1.004)	1479	0.05938	1.2(a)	6/7/10
15	2-Methylnaphthalene	141	Compound Not Detected.						
17	Acenaphthylene	152	Compound Not Detected.						
18	Acenaphthene	154	Compound Not Detected.						

Data File: /chem/5972hp66.i/DS100630A66.b/1005133-10J3A66.d
Report Date: 02-Jul-2010 15:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: /chem/5972hp66.i/DS100630A66.b/1005133-10J3A66.d

Date : 30-JUN-2010 17:01

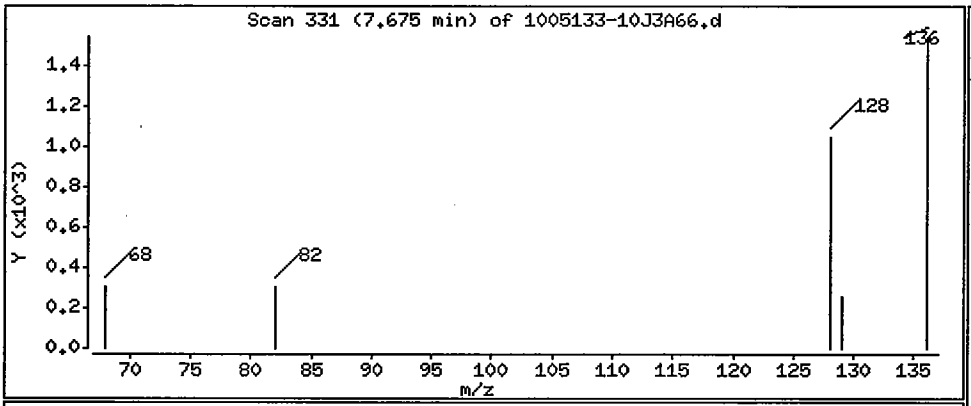
Client ID: SB61D-6-7 Instrument: 5972hp66.i

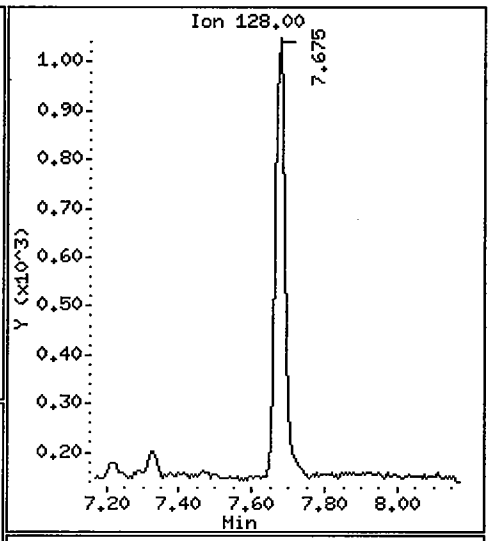
Sample Info: 1005133-10:OWS

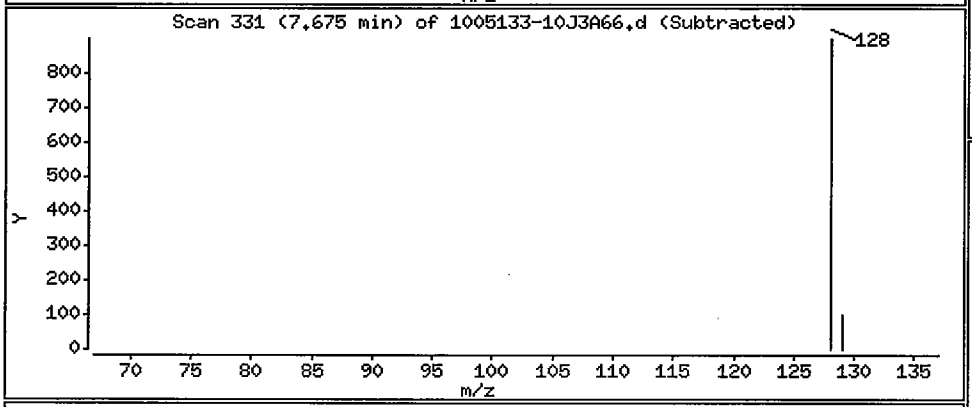
Volume Injected (uL): 2.0 Operator: OWS

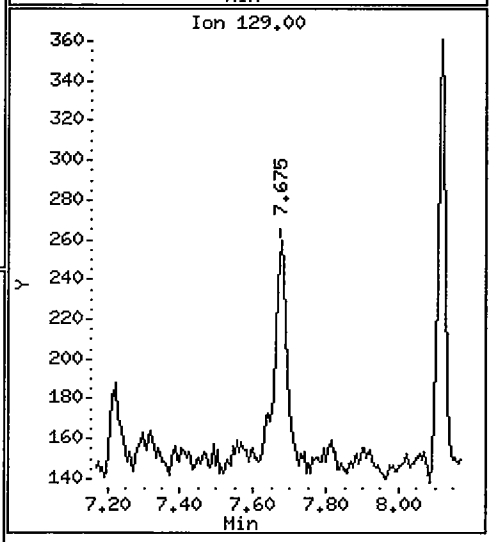
Column phase: Rtx-5MS Column diameter: 0.32

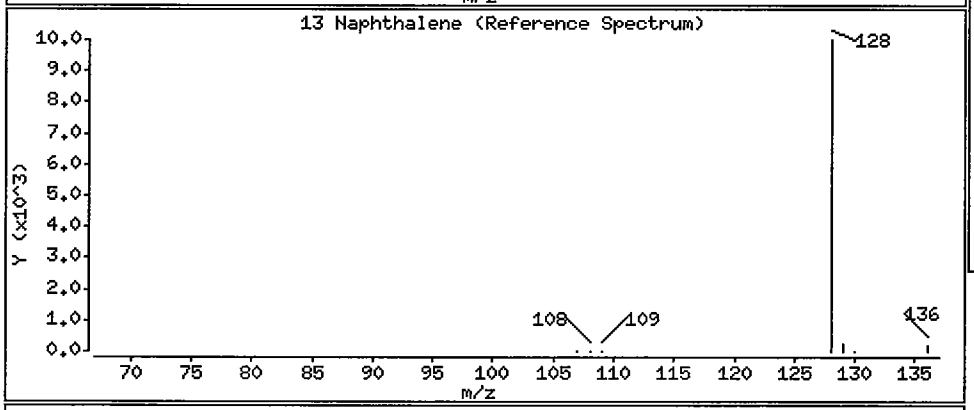
13 Naphthalene Concentration: 1.2 ug/Kg

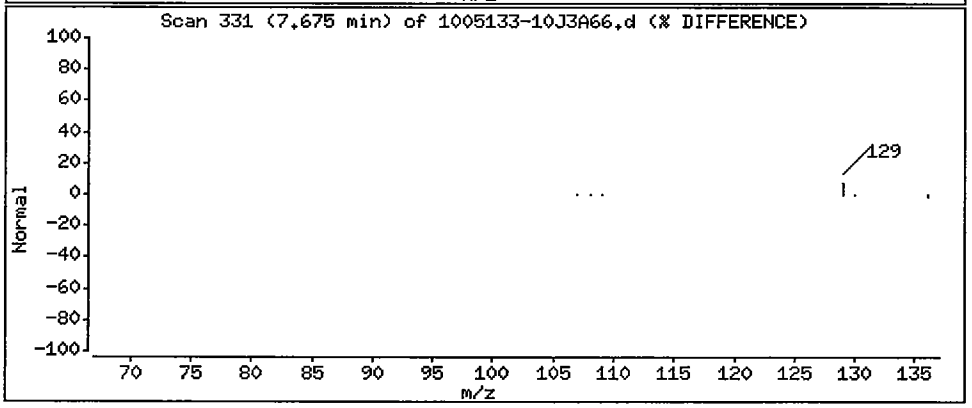












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SB63-5.5-6.5

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/18/10

Lab Sample ID: 1005133-06
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005133-06A66
Analyst: MEW

% Moisture: 17 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK1

Date Extracted: 05/24/10
Date Analyzed: 06/24/10
Dilution Factor: 1.0

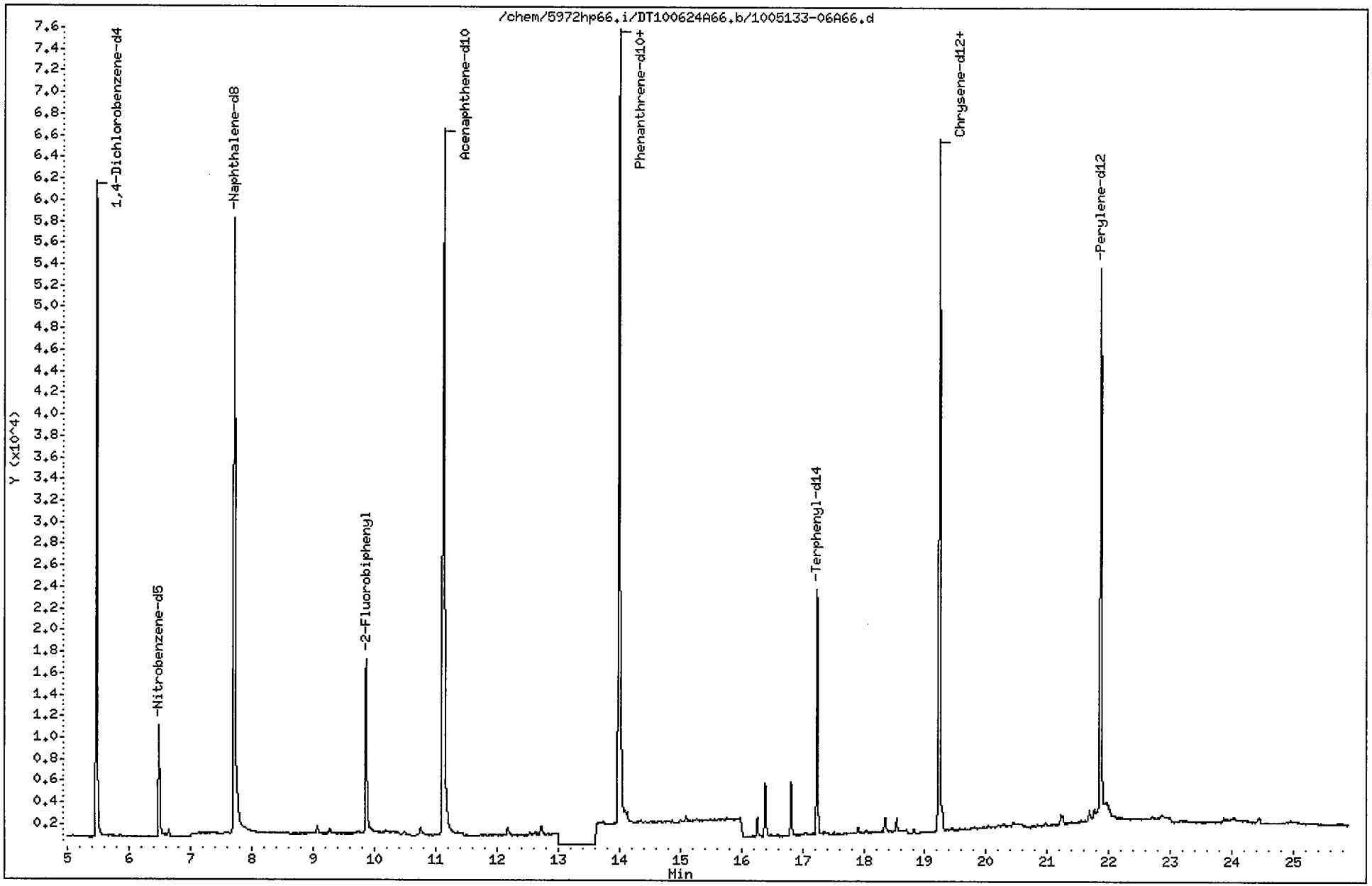
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.86	10	ND	U
91-57-6	2-Methylnaphthalene	0.82	10	ND	U
208-96-8	Acenaphthylene	0.64	10	ND	U
83-32-9	Acenaphthene	0.72	10	ND	U
86-73-7	Fluorene	0.54	10	ND	U
85-01-8	Phenanthrene	1.6	10	2.4	J
120-12-7	Anthracene	0.52	10	ND	U
206-44-0	Fluoranthene	1.6	10	2.1	J
129-00-0	Pyrene	0.68	10	2.5	J
56-55-3	Benzo(a)anthracene	0.68	10	0.91	J
218-01-9	Chrysene	0.76	10	1.1	J
205-99-2	Benzo(b)fluoranthene	0.68	10	ND	U
207-08-9	Benzo(k)fluoranthene	0.52	10	ND	U
50-32-8	Benzo(a)pyrene	0.46	10	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.44	10	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.40	10	ND	U
191-24-2	Benzo(g,h,i)perylene	0.46	10	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp66.i/DT100624A66.b/1005133-06A66.d
Date : 24-JUN-2010 20:58
Client ID: SB63-5.5-6.5
Sample Info: 1005133-06:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp66.i/DT100624A66.b/1005133-06A66.d
Report Date: 25-Jun-2010 11:26

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DT100624A66.b/1005133-06A66.d
Lab Smp Id: 1005133-06 Client Smp ID: SB63-5.5-6.5
Inj Date : 24-JUN-2010 20:58
Operator : MEW Inst ID: 5972hp66.i
Smp Info : 1005133-06:MEW
Misc Info : SB63-5.5-6.5
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DT100624A66.b/SIM_8270Cv3DOD.m
Meth Date : 25-Jun-2010 10:58 byrd Quant Type: ISTD
Cal Date : 20-JUN-2010 11:07 Cal File: 0F20001-CAL5A66.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	17.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
* 1	1,4-Dichlorobenzene-d4	152	5.478	5.451	(1.000)	36048	2.00000		(a)
* 2	Naphthalene-d8	136	7.716	7.694	(1.000)	113936	2.00000		(a)
* 3	Acenaphthene-d10	164	11.128	11.104	(1.000)	64684	2.00000		(a)
* 4	Phenanthrene-d10	188	14.004	13.968	(1.000)	122648	2.00000		(a)
* 5	Chrysene-d12	240	19.239	19.204	(1.000)	89599	2.00000		(a)
* 6	Perylene-d12	264	21.864	21.824	(1.000)	70430	2.00000		(a)
$ 9	Nitrobenzene-d5	82	6.488	6.461	(0.841)	12519	0.44837	9.0	
$ 10	2-Fluorobiphenyl	172	9.864	9.846	(0.886)	23504	0.45893	9.2	
$ 12	Terphenyl-d14	244	17.242	17.217	(0.896)	28455	1.02118	21(M)	
13	Naphthalene	128	Compound Not Detected.						
15	2-Methylnaphthalene	141	Compound Not Detected.						
17	Acenaphthylene	152	Compound Not Detected.						
18	Acenaphthene	154	Compound Not Detected.						

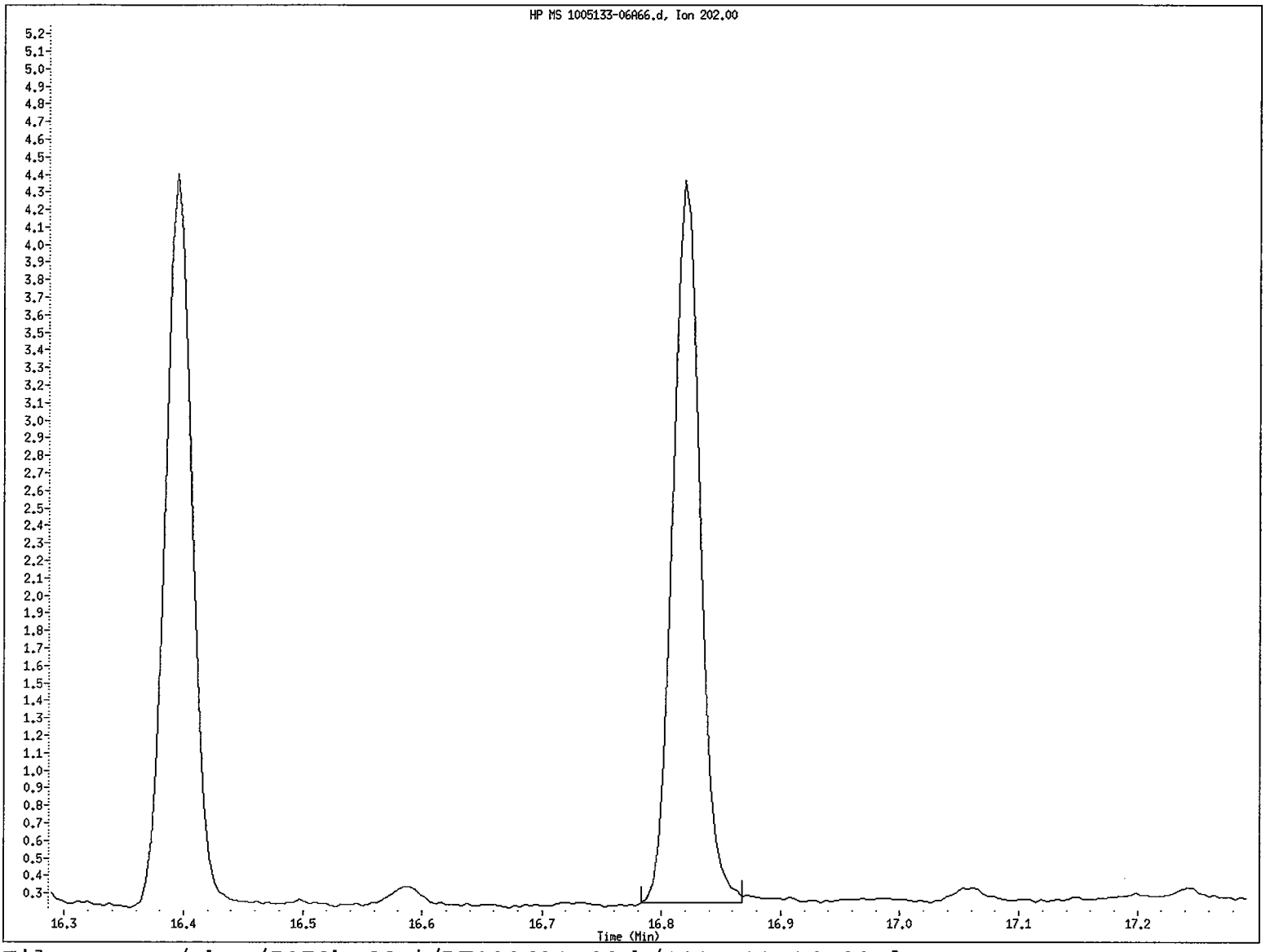
Data File: /chem/5972hp66.i/DT100624A66.b/1005133-06A66.d
Report Date: 25-Jun-2010 11:26

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	14.038	14.014	(1.002)	7986	0.11909	2.4(a)
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	16.395	16.366	(1.171)	6669	0.10443	2.1(a)
28 Pyrene	202	16.819	16.789	(0.874)	6697	0.12299	2.5(aM)
29 Benzo(a)anthracene	228	19.204	19.173	(0.998)	1919	0.04533	0.91(a)
30 Chrysene	228	19.283	19.253	(1.002)	2446	0.05594	1.1(aM)
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Pyrene CAS Number 129-00-0 Area = 6697 Manually integrated



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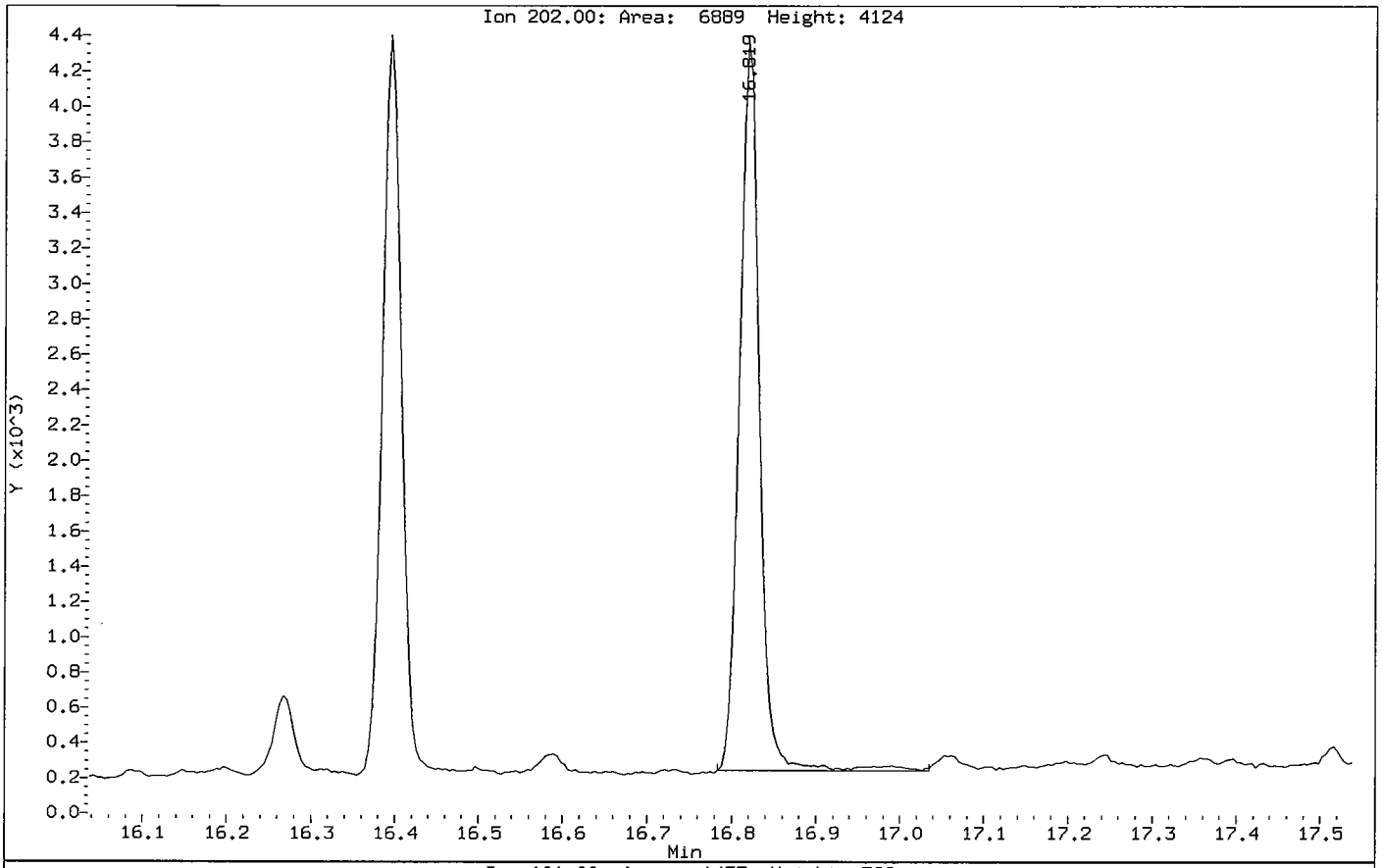
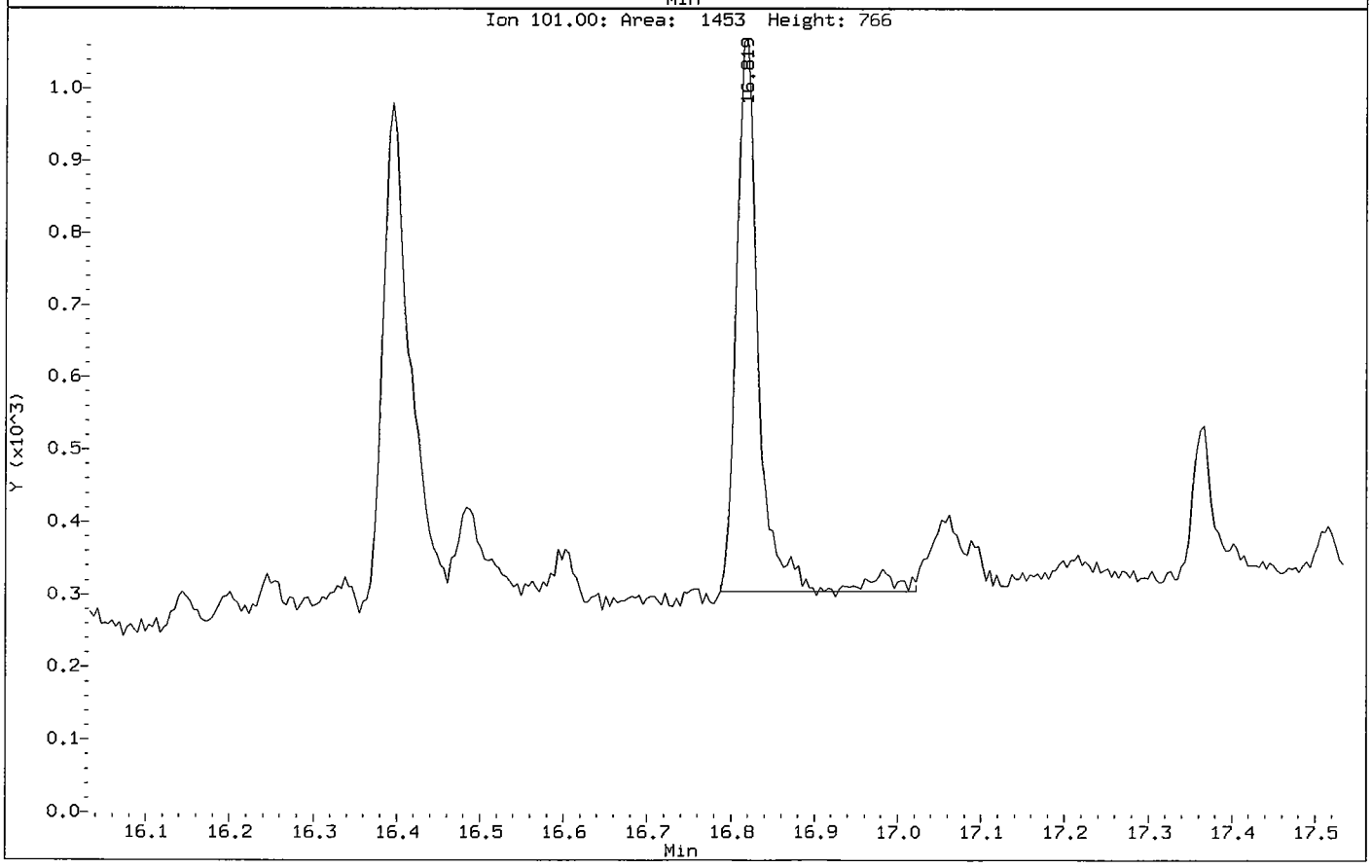
Client ID: SB63-5.5-6.5
Instrument ID: 5972hp66.i
Injection Date and Time: 24-JUN-2010 20:58
Retention Time: 16.82
Operator ID: MEW

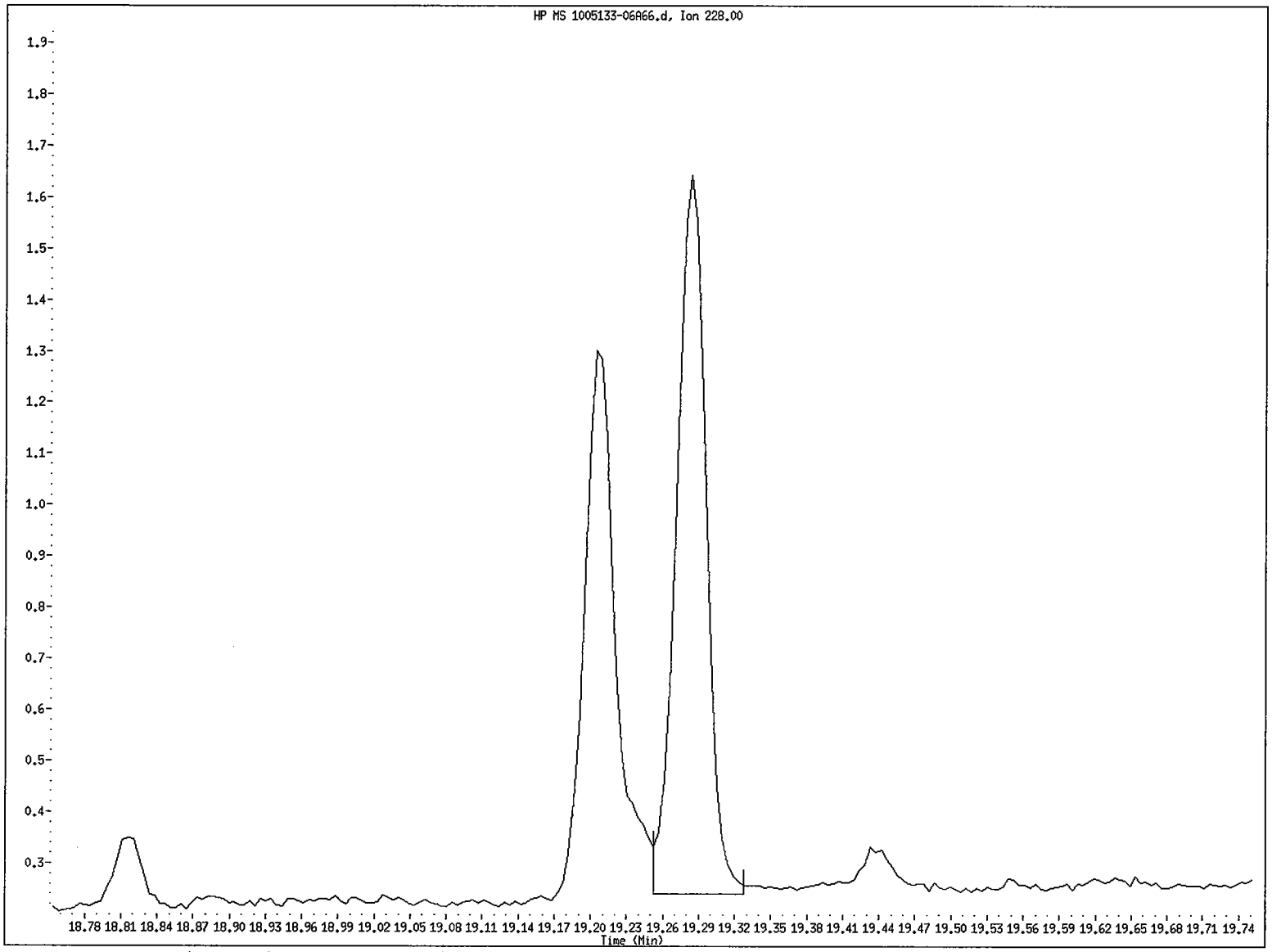
Data File: /chem/5972hp66.i/DT100624A66.b/1005133-06A66.d
Injection Date: 24-JUN-2010 20:58
Instrument: 5972hp66.i
Client Sample ID: SB63-5.5-6.5

Compound: Pyrene
CAS Number: 129-00-0





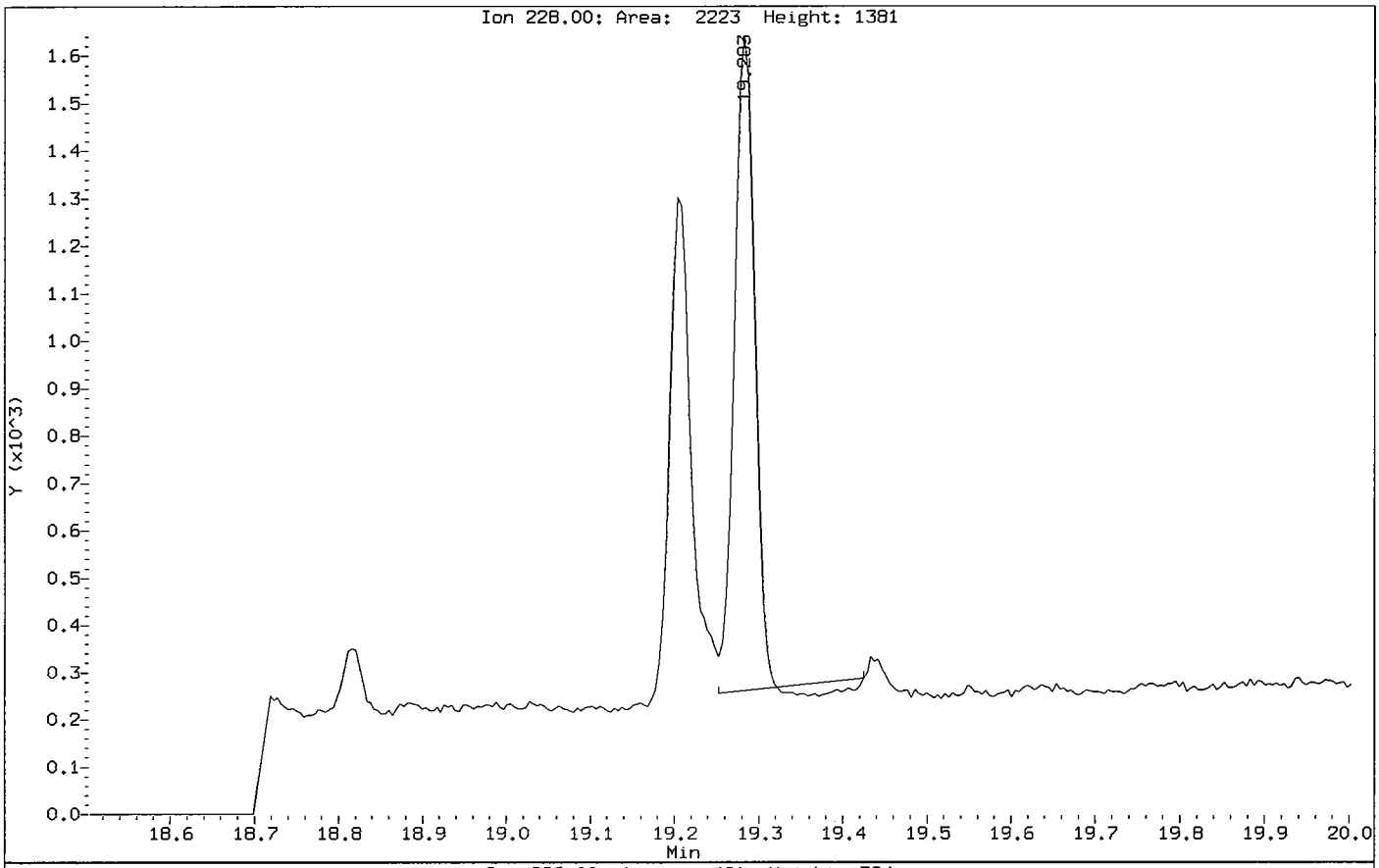
Chrysene CAS Number 218-01-9 Area = 2446 Manually integrated

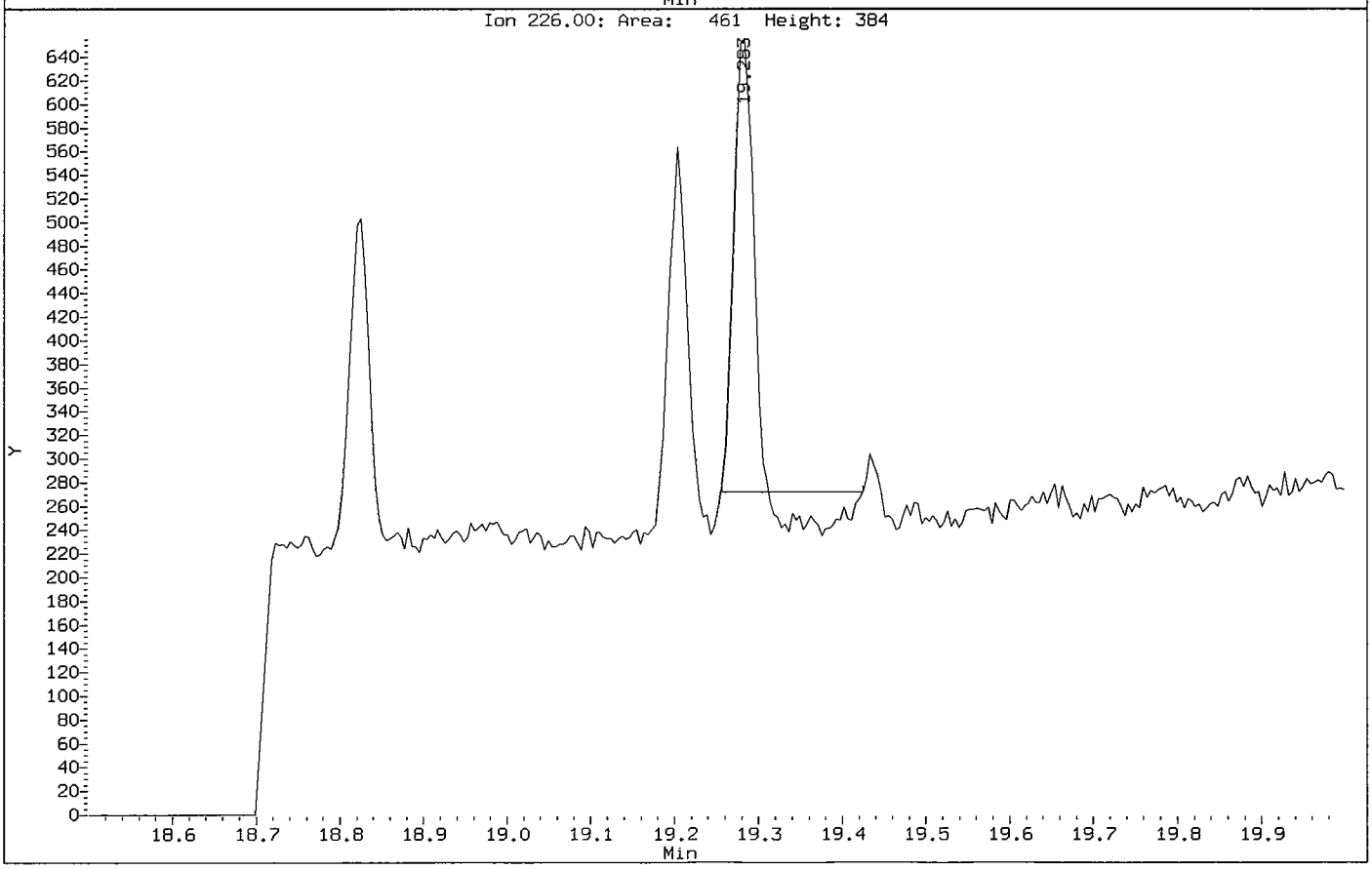


File name: /chem/5972hp66.i/DT100624A66.b/1005133-06A66.d
Client ID: SB63-5.5-6.5
Instrument ID: 5972hp66.i
Injection Date and Time: 24-JUN-2010 20:58
Retention Time: 19.28
Operator ID: MEW

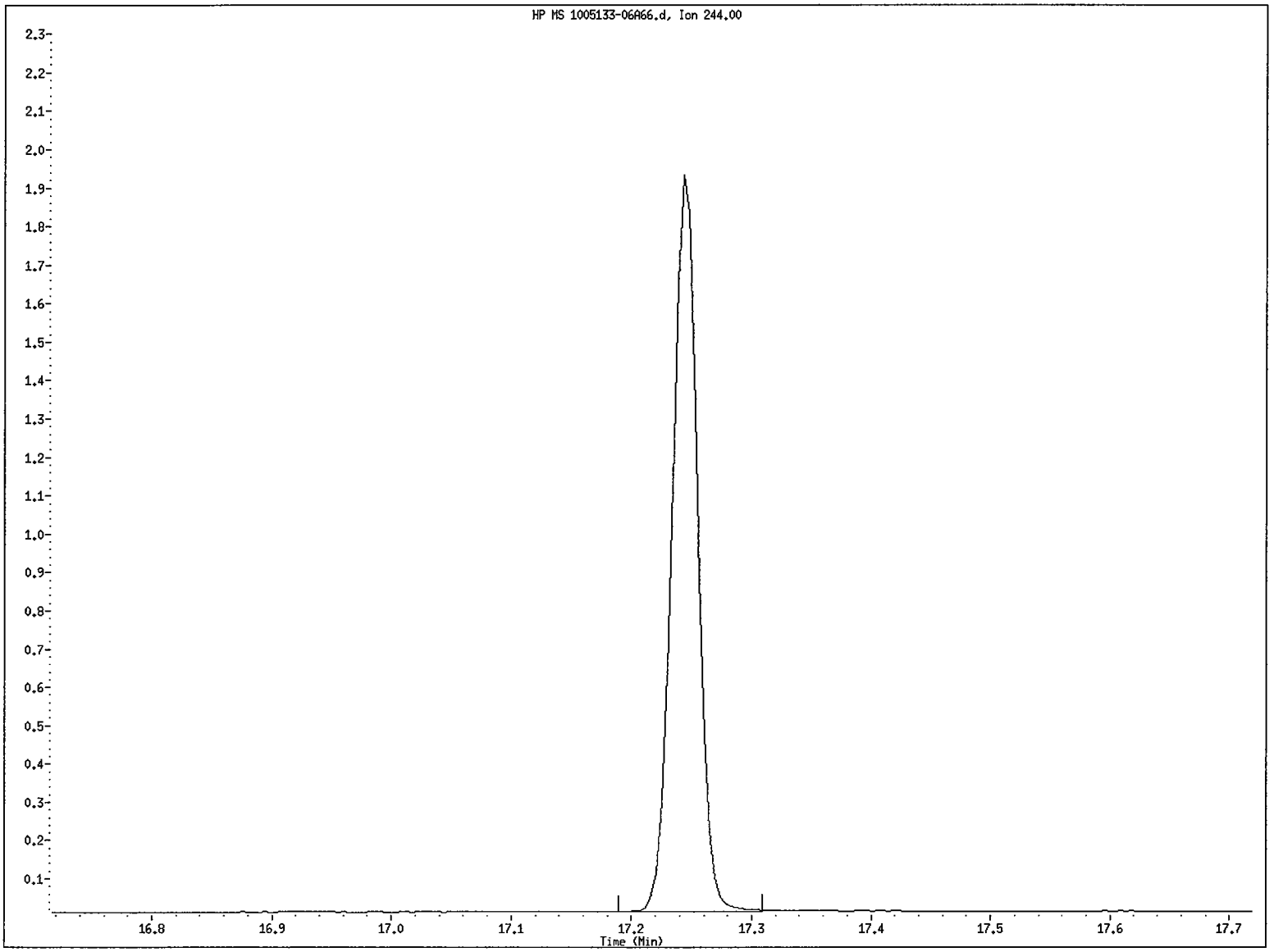
Data File: /chem/5972hp66.i/DT100624A66.b/1005133-06A66.d
Injection Date: 24-JUN-2010 20:58
Instrument: 5972hp66.i
Client Sample ID: SB63-5.5-6.5

Compound: Chrysene
CAS Number: 218-01-9





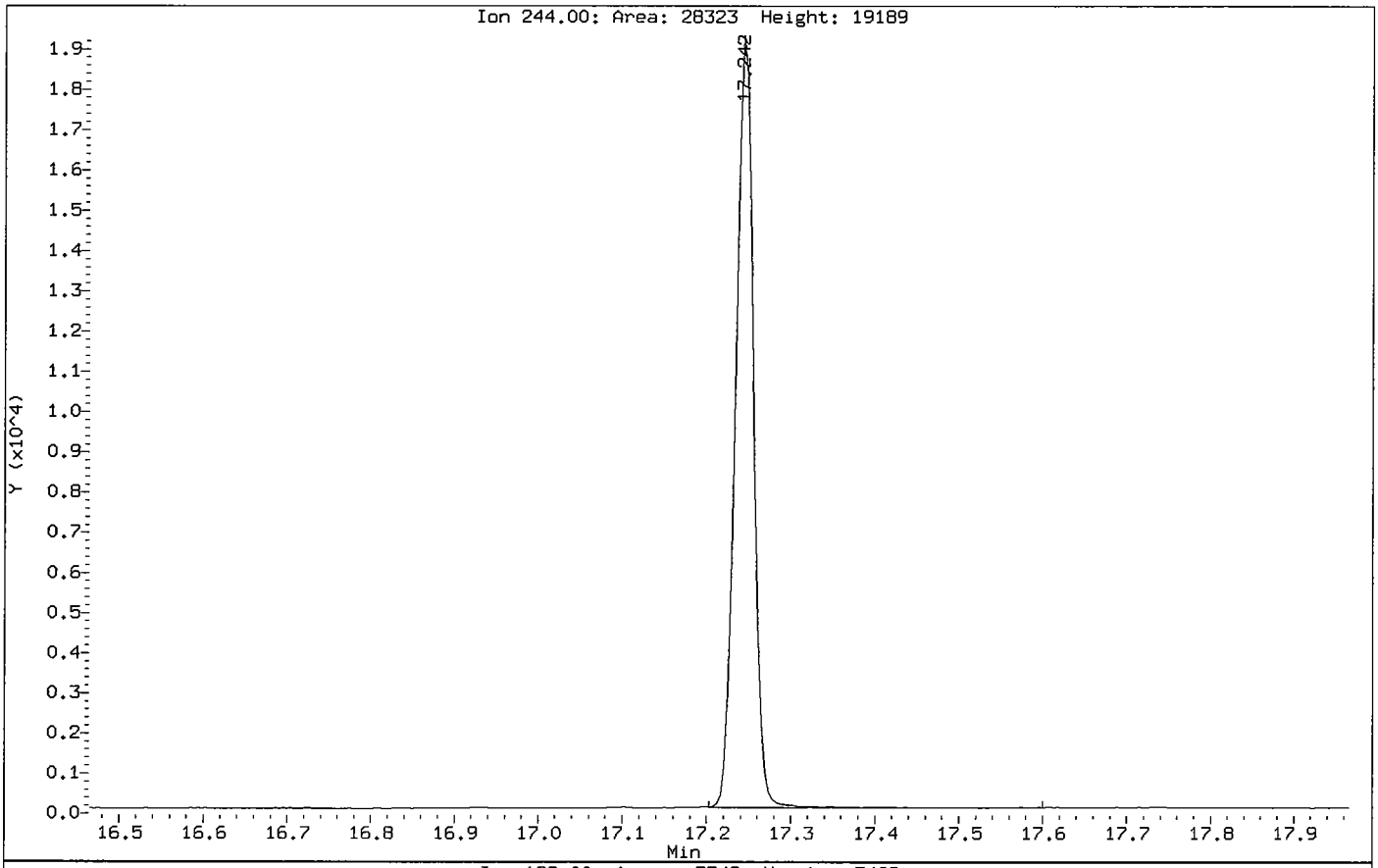
Terphenyl-d14 CAS Number 98904-43-9 Area = 28455 Manually integrated

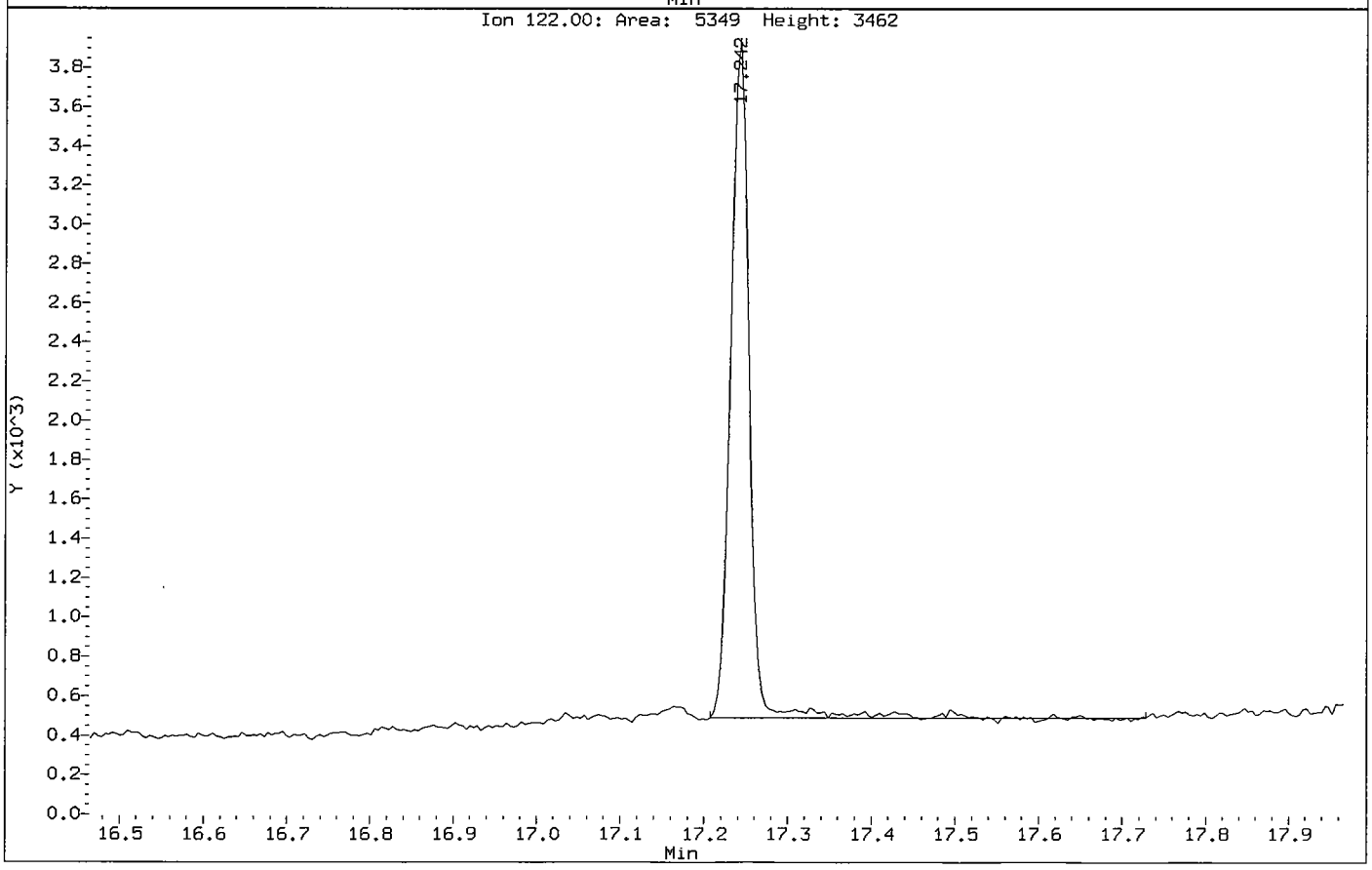


File name: /chem/5972hp66.i/DT100624A66.b/1005133-06A66.d
Client ID: SB63-5.5-6.5
Instrument ID: 5972hp66.i
Injection Date and Time: 24-JUN-2010 20:58
Retention Time: 17.24
Operator ID: MEW

Data File: /chem/5972hp66.i/DT100624A66.b/1005133-06A66.d
Injection Date: 24-JUN-2010 20:58
Instrument: 5972hp66.i
Client Sample ID: SB63-5.5-6.5

Compound: Terphenyl-d14
CAS Number: 98904-43-9





Data File: /chem/5972hp66.i/DT100624A66.b/1005133-06A66.d

Date : 24-JUN-2010 20:58

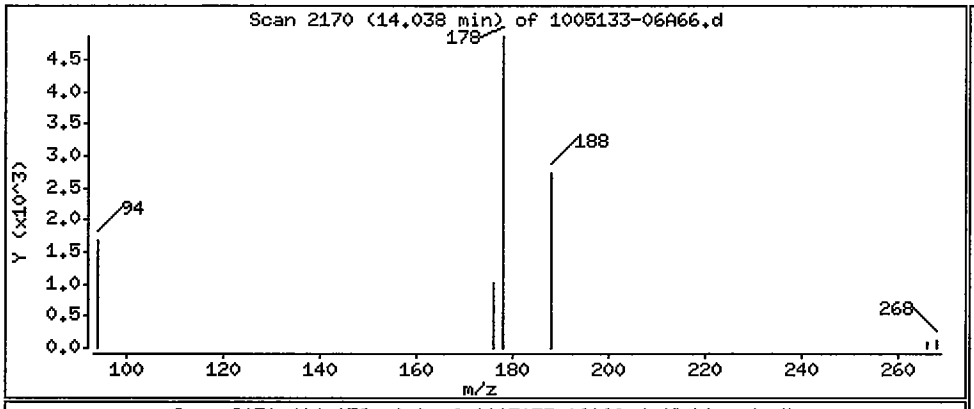
Client ID: SB63-5.5-6.5 Instrument: 5972hp66.i

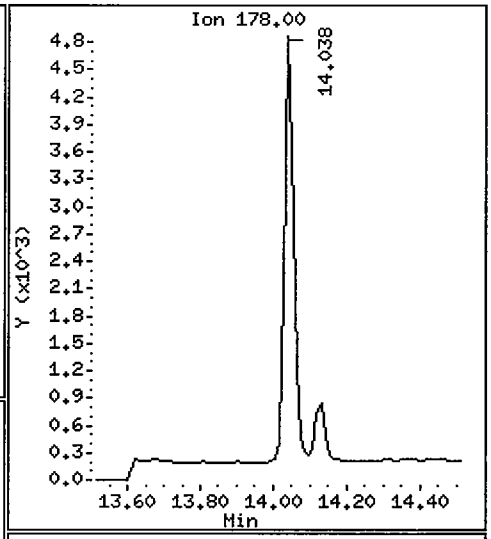
Sample Info: 1005133-06:MEW

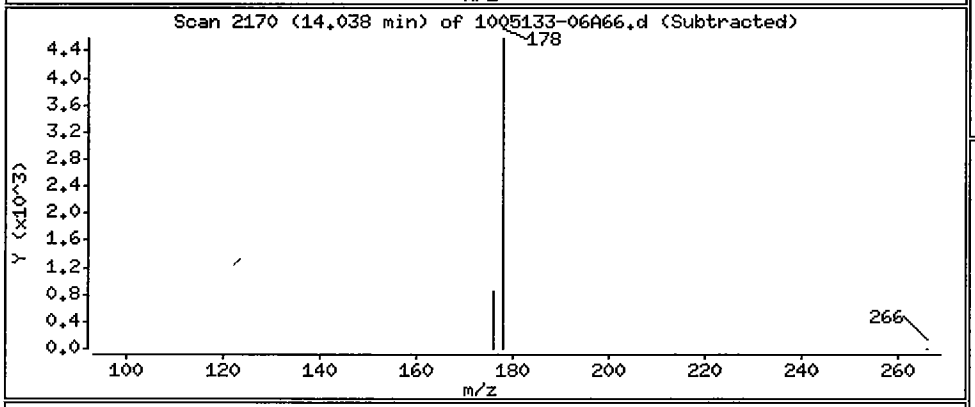
Volume Injected (uL): 2.0 Operator: MEW

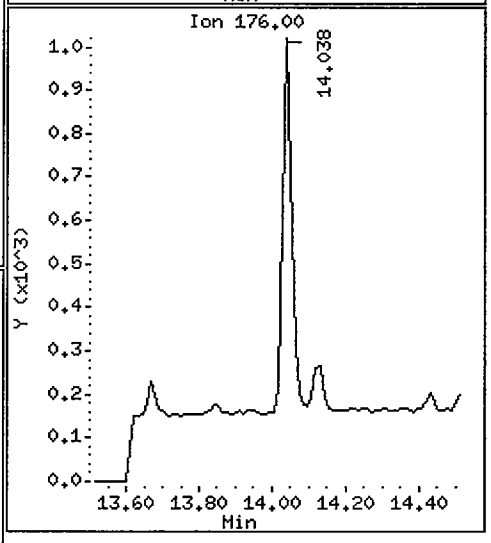
Column phase: Rtx-5MS Column diameter: 0.32

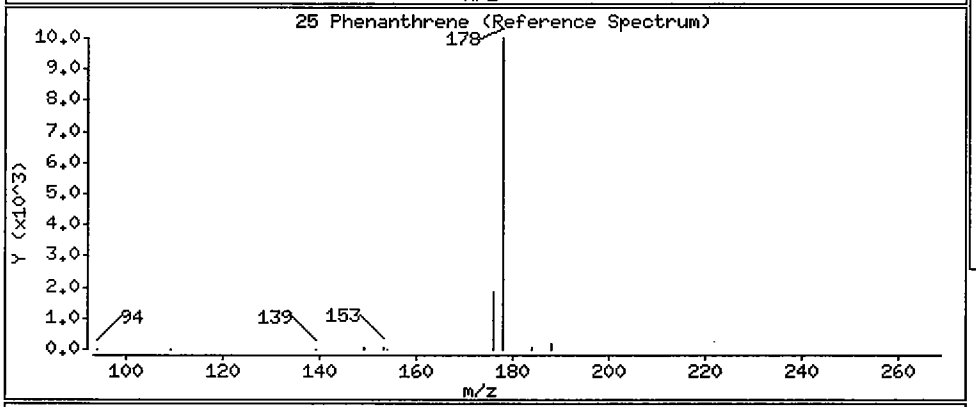
25 Phenanthrene Concentration: 2.4 ug/Kg

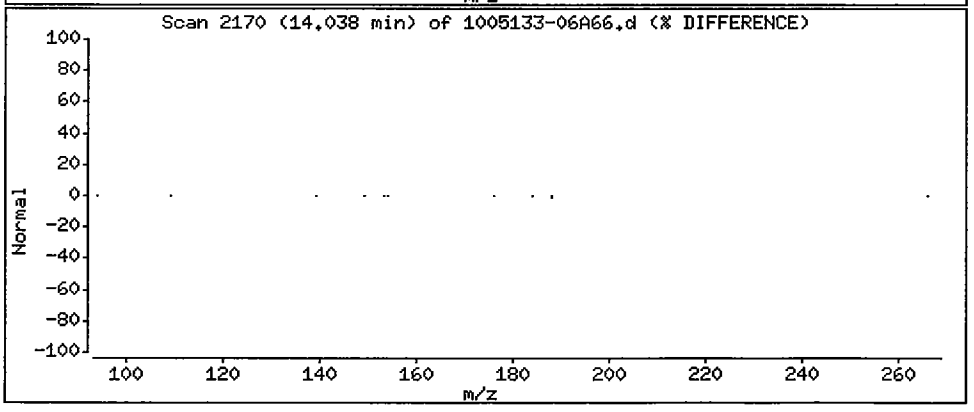












Data File: /chem/5972hp66.i/DT100624A66.b/1005133-06A66.d

Date : 24-JUN-2010 20:58

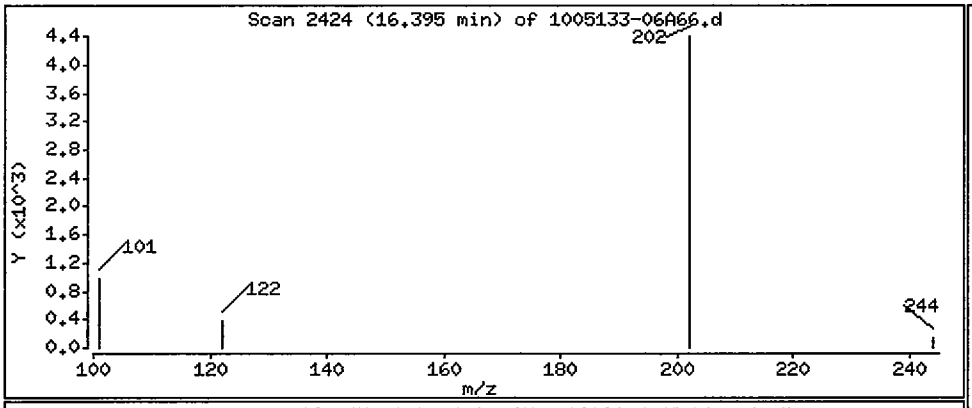
Client ID: SB63-5.5-6.5 Instrument: 5972hp66.i

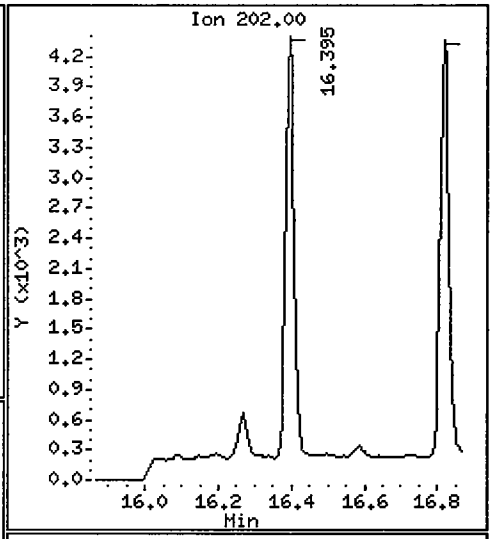
Sample Info: 1005133-06:MEW

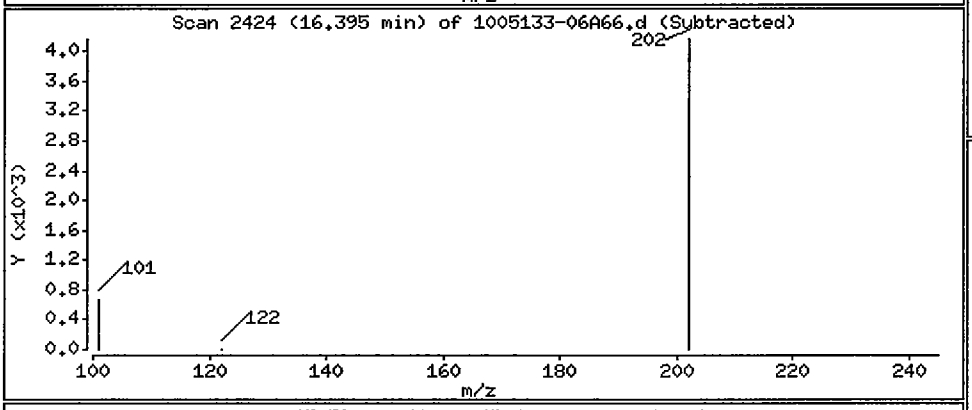
Volume Injected (uL): 2.0 Operator: MEW

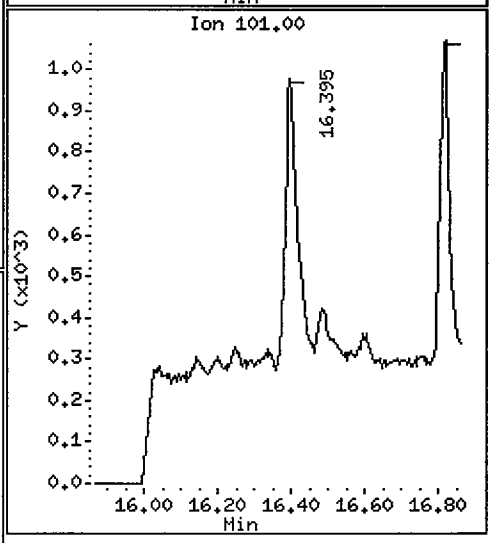
Column phase: Rtx-5MS Column diameter: 0.32

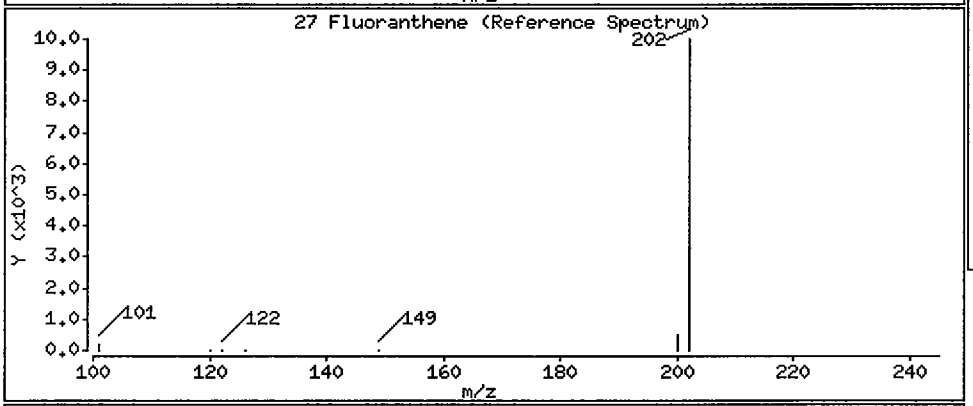
27 Fluoranthene Concentration: 2.1 ug/Kg

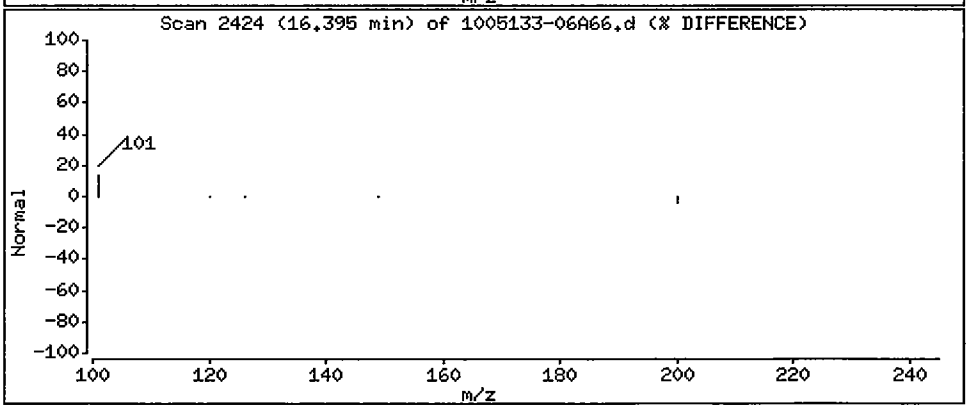












Data File: /chem/5972hp66.i/DT100624A66.b/1005133-06A66.d

Date : 24-JUN-2010 20:58

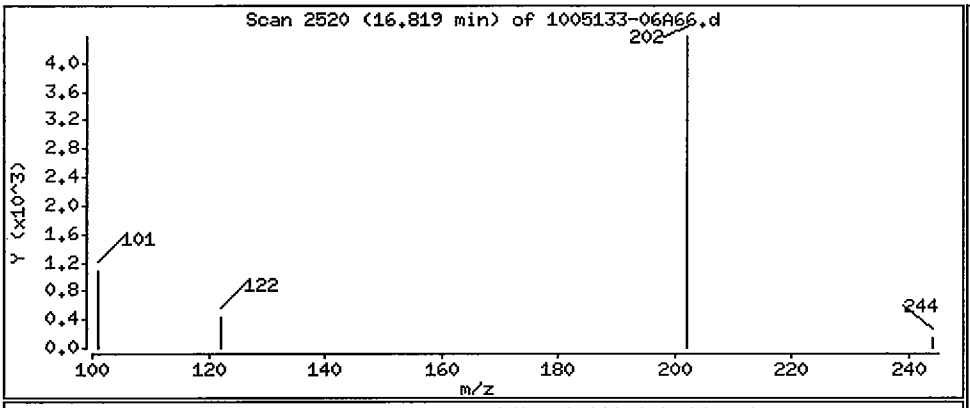
Client ID: SB63-5.5-6.5 Instrument: 5972hp66.i

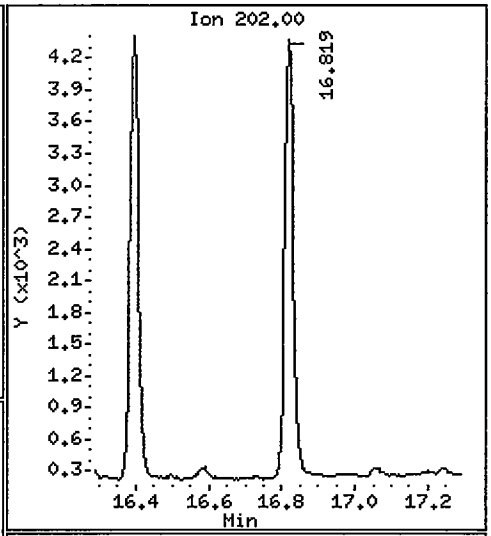
Sample Info: 1005133-06:MEW

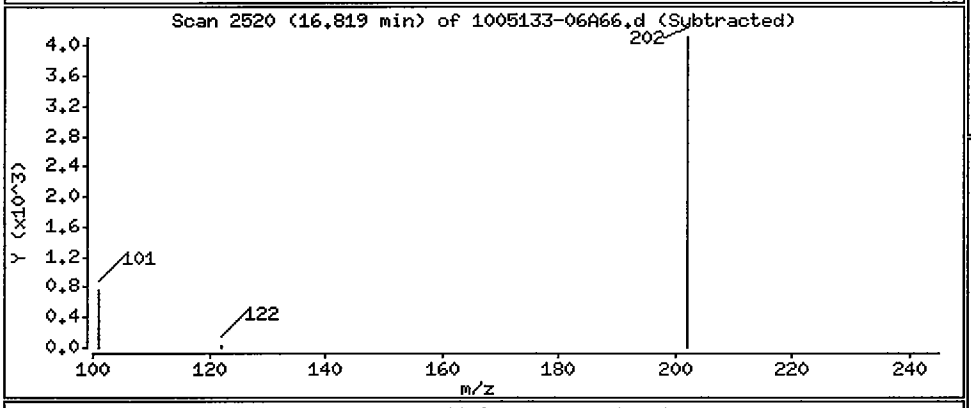
Volume Injected (uL): 2.0 Operator: MEW

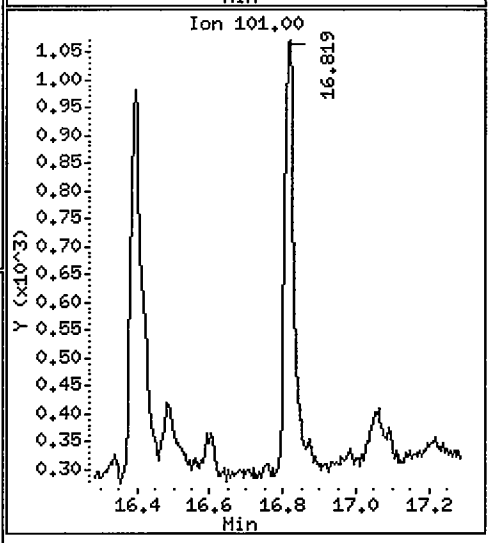
Column phase: Rtx-5MS Column diameter: 0.32

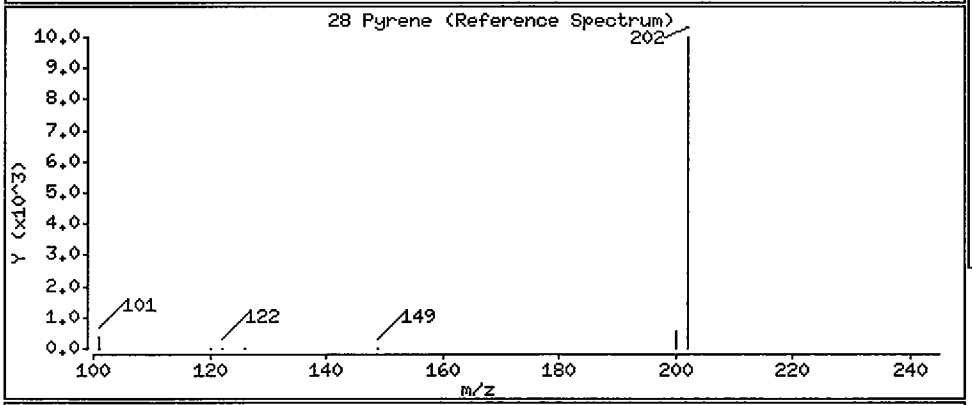
28 Pyrene Concentration: 2.5 ug/Kg

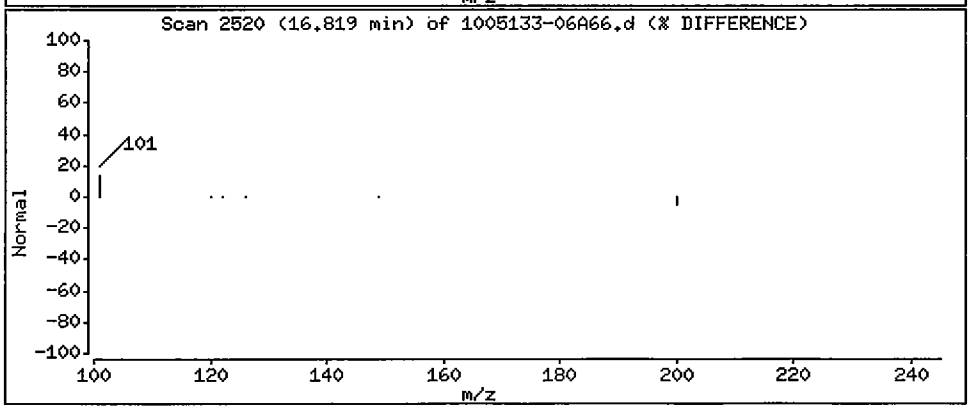












Data File: /chem/5972hp66.i/DT100624A66.b/1005133-06A66.d

Date : 24-JUN-2010 20:58

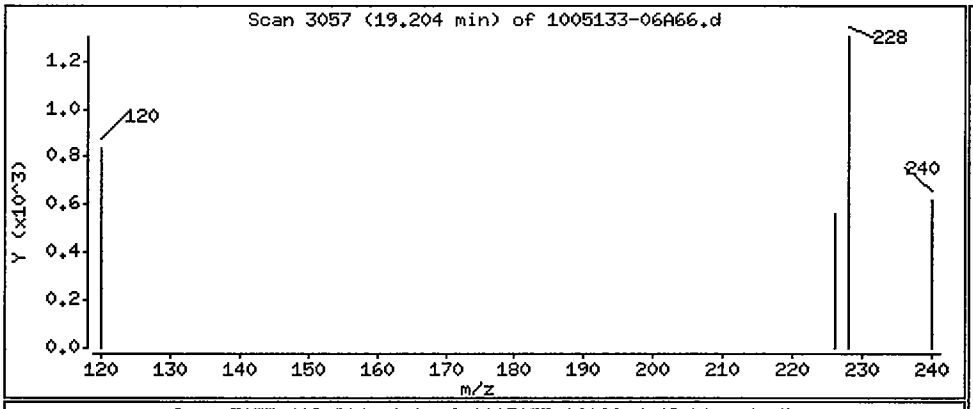
Client ID: SB63-5.5-6.5 Instrument: 5972hp66.i

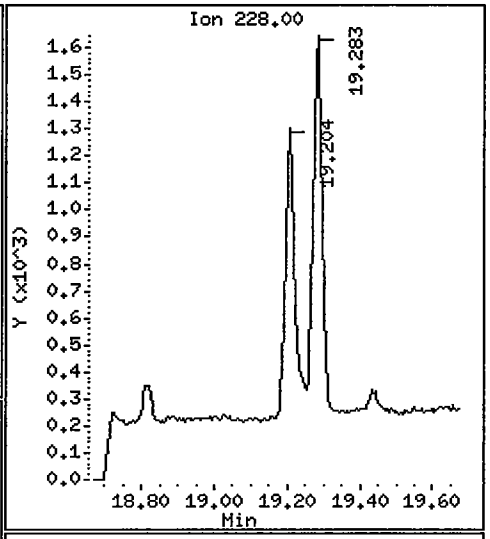
Sample Info: 1005133-06:MEW

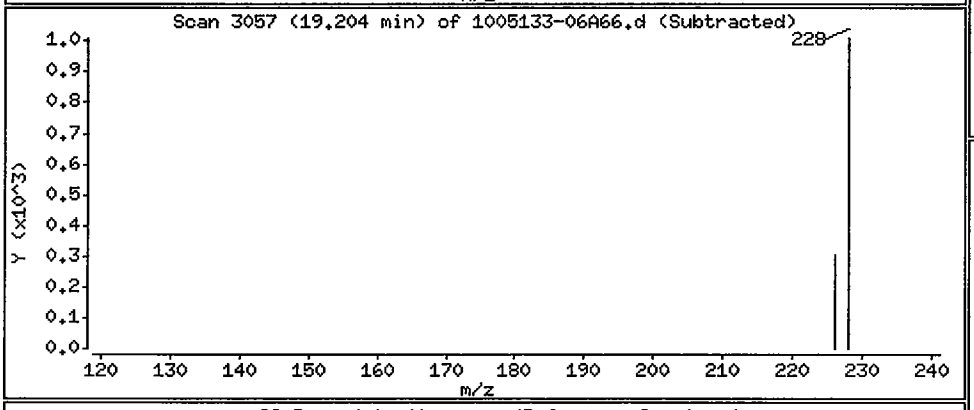
Volume Injected (uL): 2.0 Operator: MEW

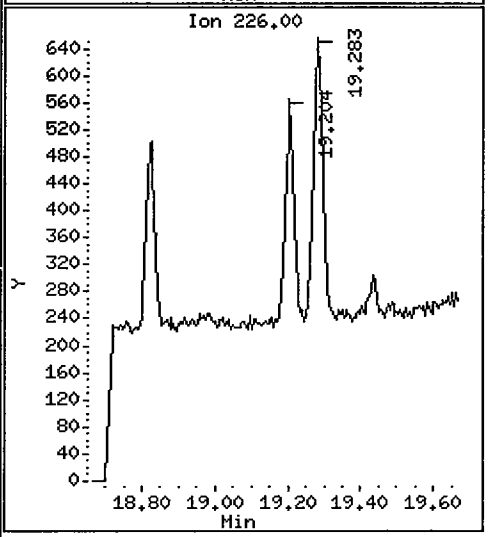
Column phase: Rtx-5MS Column diameter: 0.32

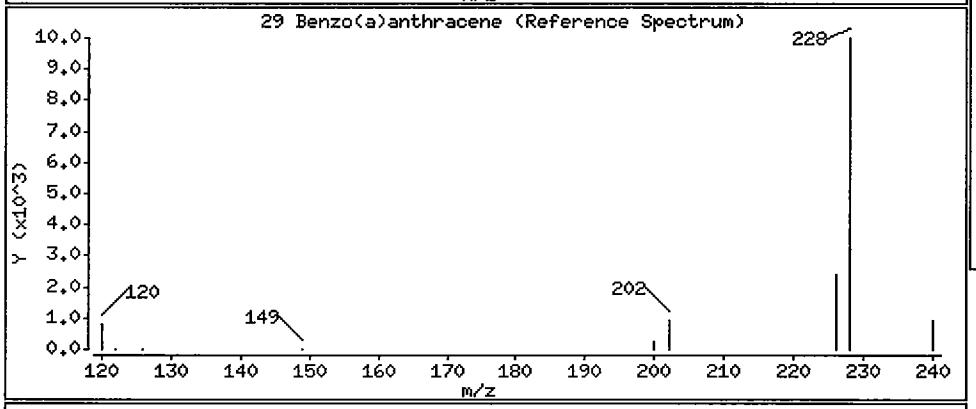
29 Benzo(a)anthracene Concentration: 0.91 ug/Kg

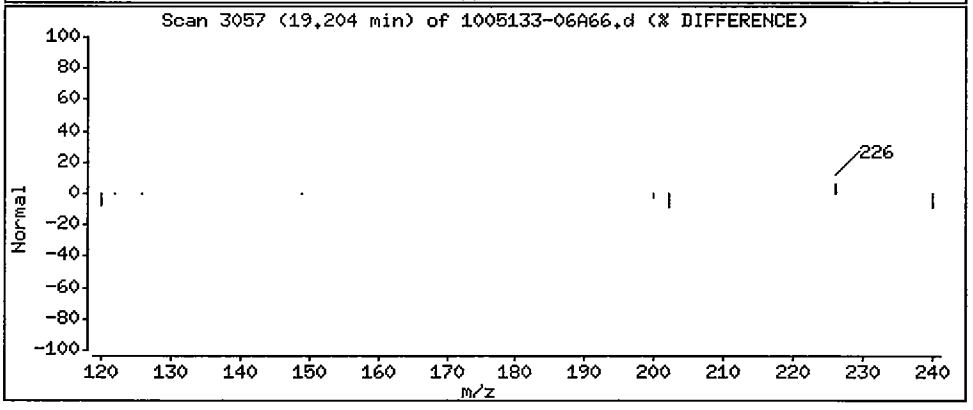












Data File: /chem/5972hp66.i/DT100624A66.b/1005133-06A66.d

Date : 24-JUN-2010 20:58

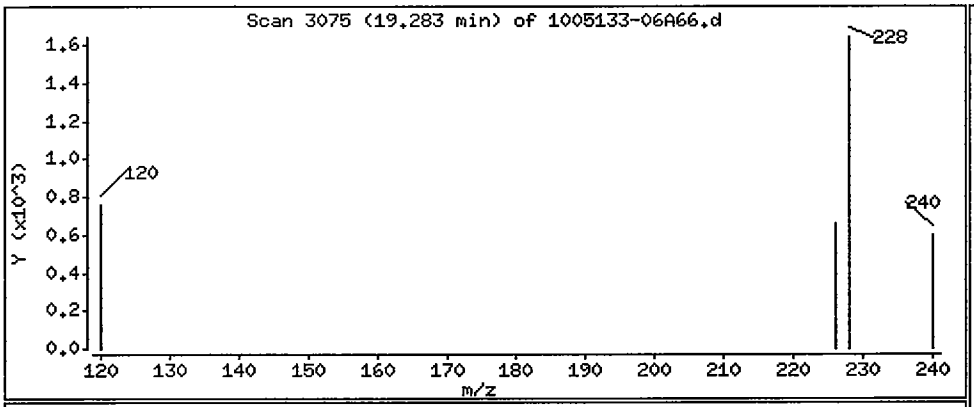
Client ID: SB63-5.5-6.5 Instrument: 5972hp66.i

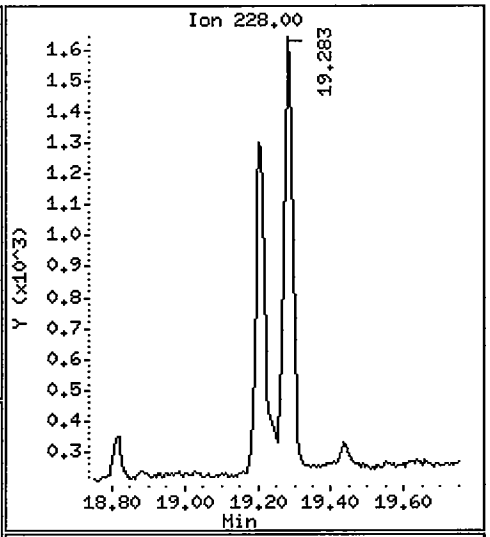
Sample Info: 1005133-06:MEW

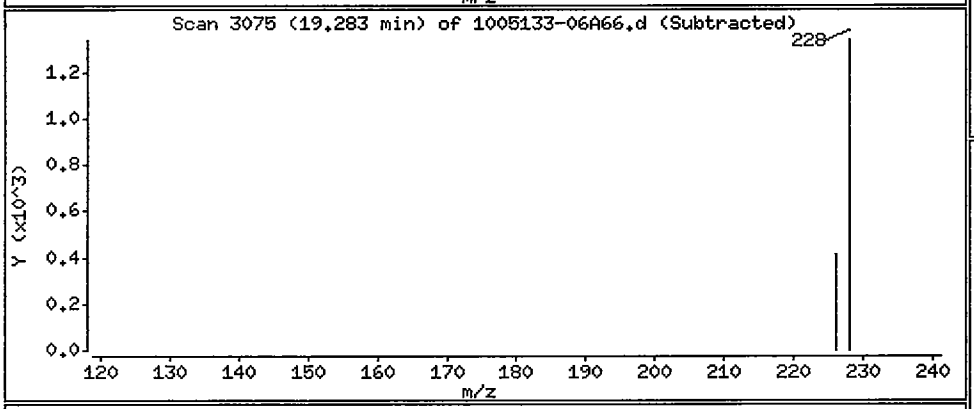
Volume Injected (uL): 2.0 Operator: MEW

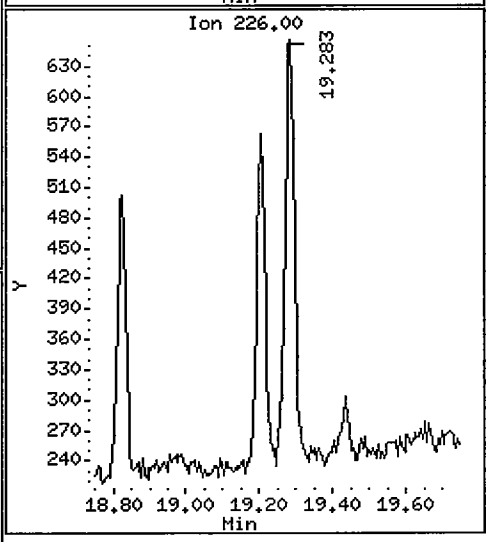
Column phase: Rtx-5MS Column diameter: 0.32

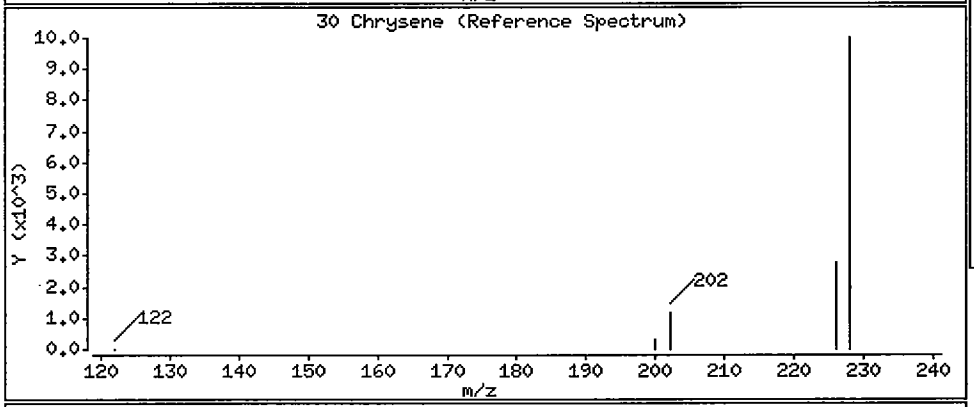
30 Chrysene Concentration: 1.1 ug/Kg

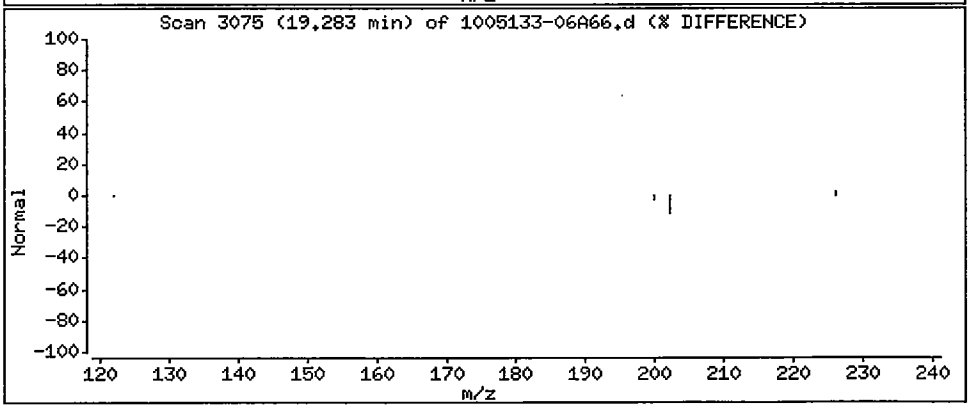












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SB72-2-3

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/19/10

Lab Sample ID: 1005133-13
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005133-13J2A70
Analyst: OWS

% Moisture: 13 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK2

Date Extracted: 05/24/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

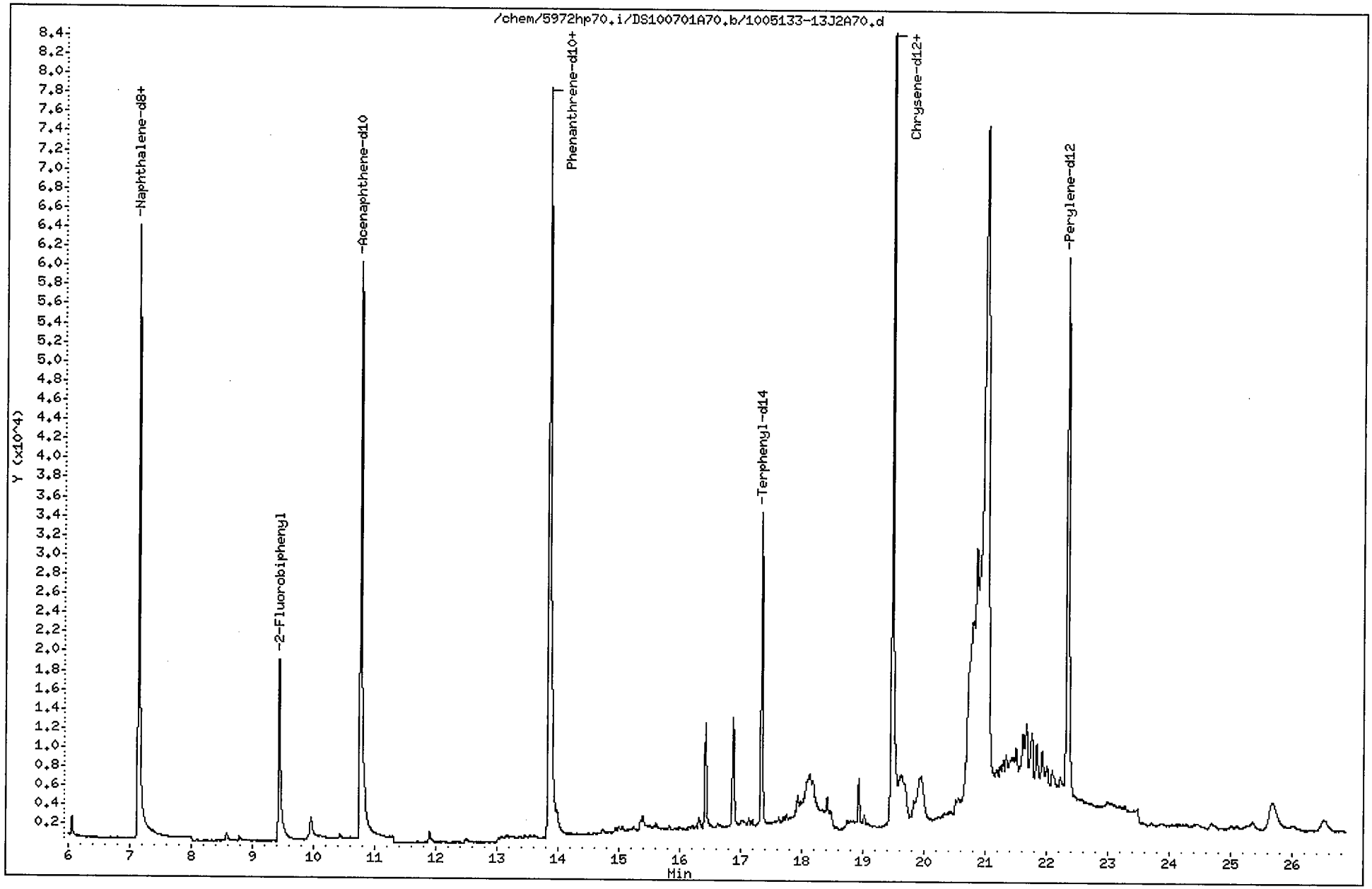
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.82	9.5	0.97	J
91-57-6	2-Methylnaphthalene	0.79	9.5	ND	U
208-96-8	Acenaphthylene	0.61	9.5	ND	U
83-32-9	Acenaphthene	0.69	9.5	ND	U
86-73-7	Fluorene	0.52	9.5	ND	U
85-01-8	Phenanthrene	1.5	9.5	4.3	J
120-12-7	Anthracene	0.50	9.5	1.0	J
206-44-0	Fluoranthene	1.5	9.5	4.0	J
129-00-0	Pyrene	0.65	9.5	3.5	J
56-55-3	Benzo(a)anthracene	0.65	9.5	1.6	J
218-01-9	Chrysene	0.73	9.5	1.6	J
205-99-2	Benzo(b)fluoranthene	0.65	9.5	ND	U
207-08-9	Benzo(k)fluoranthene	0.50	9.5	ND	U
50-32-8	Benzo(a)pyrene	0.44	9.5	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.42	9.5	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.38	9.5	ND	U
191-24-2	Benzo(g,h,i)perylene	0.44	9.5	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100701A70.b/1005133-13J2A70.d
Date : 01-JUL-2010 16:12
Client ID: SB72-2-3
Sample Info: 1005133-13:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701A70.b/1005133-13J2A70.d
Report Date: 02-Jul-2010 13:31

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701A70.b/1005133-13J2A70.d
Lab Smp Id: 1005133-13 Client Smp ID: SB72-2-3
Inj Date : 01-JUL-2010 16:12
Operator : OWS Inst ID: 5972hp70.i
Smp Info : 1005133-13:OWS
Misc Info : SB72-2-3
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701A70.b/SIM_8270Cv3DOD.m
Meth Date : 02-Jul-2010 13:19 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	13.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
* 1 1,4-Dichlorobenzene-d4	152	4.841	4.820	(1.000)	34200	2.00000		(a)
* 2 Naphthalene-d8	136	7.139	7.130	(1.000)	122949	2.00000		(a)
* 3 Acenaphthene-d10	164	10.762	10.763	(1.000)	72582	2.00000		(a)
* 4 Phenanthrene-d10	188	13.851	13.846	(1.000)	148835	2.00000		(a)
* 5 Chrysene-d12	240	19.479	19.476	(1.000)	124880	2.00000		(a)
* 6 Perylene-d12	264	22.340	22.314	(1.000)	119550	2.00000		(a)
$ 9 Nitrobenzene-d5	82	5.864	5.856	(0.822)	29396	0.73884	14	
$ 10 2-Fluorobiphenyl	172	9.436	9.432	(0.877)	37657	0.75280	14	
$ 12 Terphenyl-d14	244	17.341	17.343	(0.890)	45438	1.02218	20	
13 Naphthalene	128	7.170	7.161	(1.004)	3977	0.05065	0.97	(a)
15 2-Methylnaphthalene	141	Compound Not Detected.						
17 Acenaphthylene	152	Compound Not Detected.						
18 Acenaphthene	154	Compound Not Detected.						

Data File: /chem/5972hp70.i/DS100701A70.b/1005133-13J2A70.d
Report Date: 02-Jul-2010 13:31

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	13.895	13.890	(1.003)	18267	0.22487	4.3(a)
26 Anthracene	178	13.987	13.983	(1.010)	3900	0.05232	1.0(a)
27 Fluoranthene	202	16.423	16.417	(1.186)	16736	0.20981	4.0(a)
28 Pyrene	202	16.873	16.871	(0.866)	16678	0.18480	3.5(a)
29 Benzo(a)anthracene	228	19.444	19.441	(0.998)	5391	0.08199	1.6(a)
30 Chrysene	228	19.528	19.525	(1.002)	6537	0.08351	1.6(a)
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /chem/5972hp70.i/DS100701A70.b/1005133-13J2A70.d

Date : 01-JUL-2010 16:12

Client ID: SB72-2-3

Instrument: 5972hp70.i

Sample Info: 1005133-13:OWS

Volume Injected (uL): 2.0

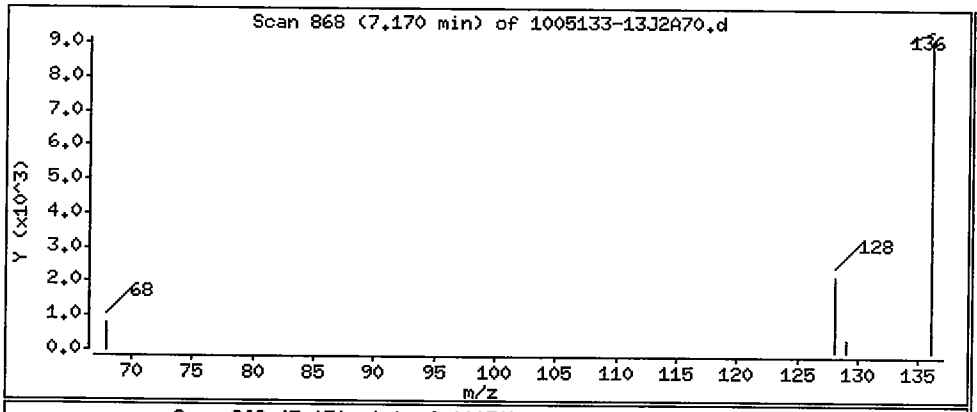
Operator: OWS

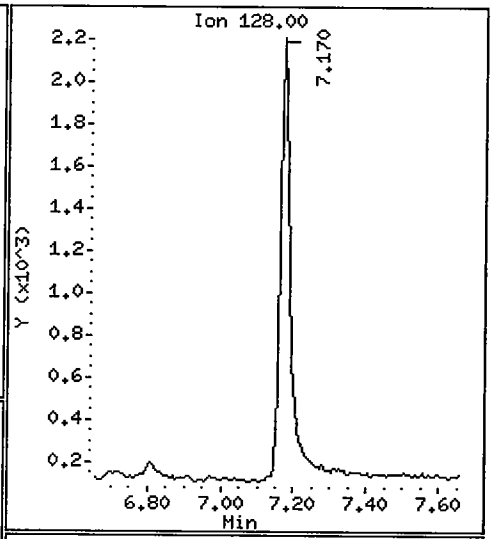
Column phase: Rtx-5MS

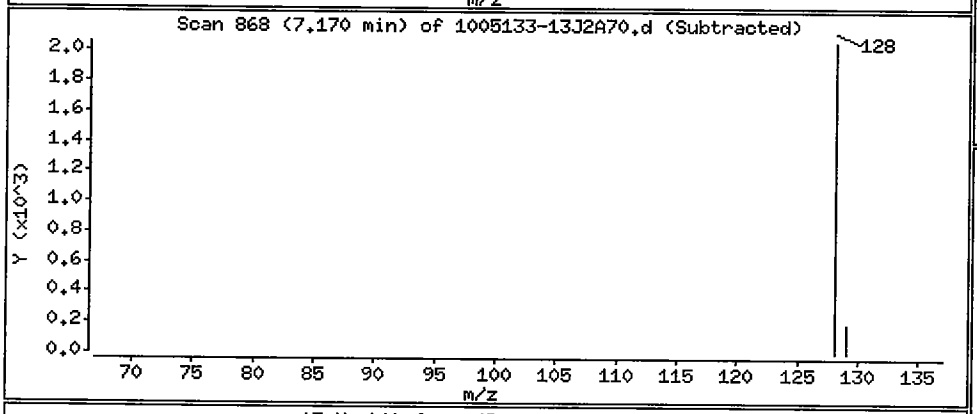
Column diameter: 0.32

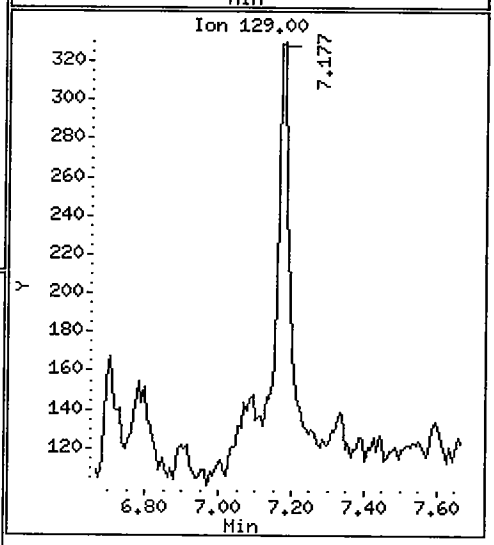
13 Naphthalene

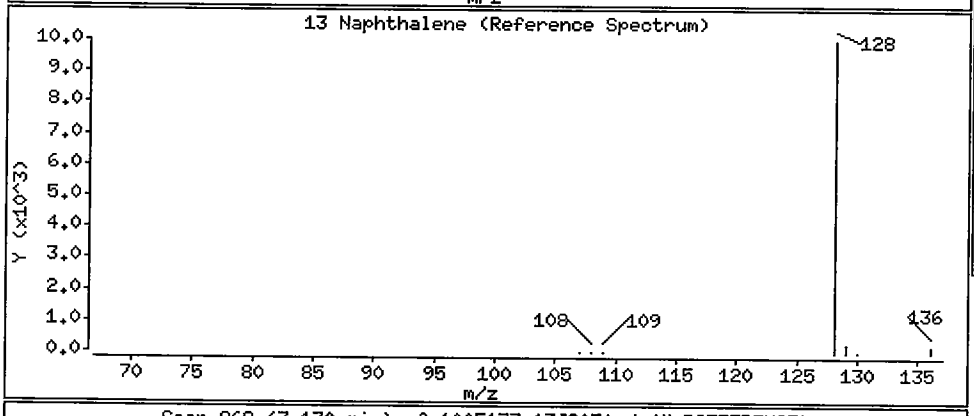
Concentration: 0.97 ug/Kg

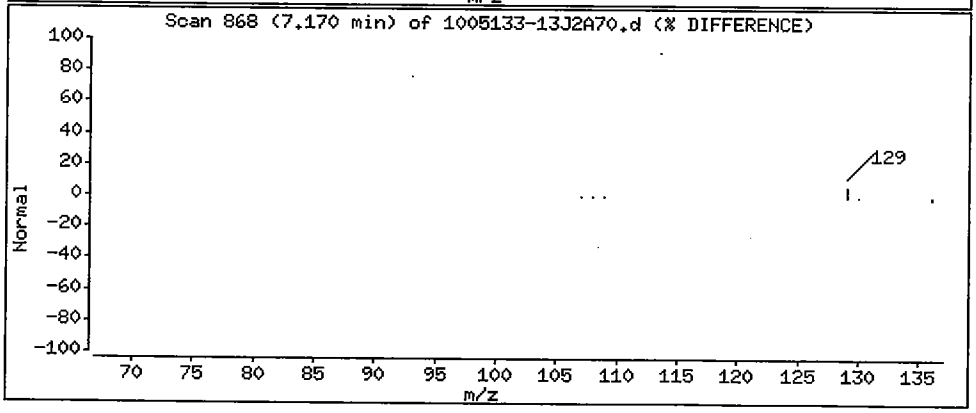












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-13J2A70.d

Date : 01-JUL-2010 16:12

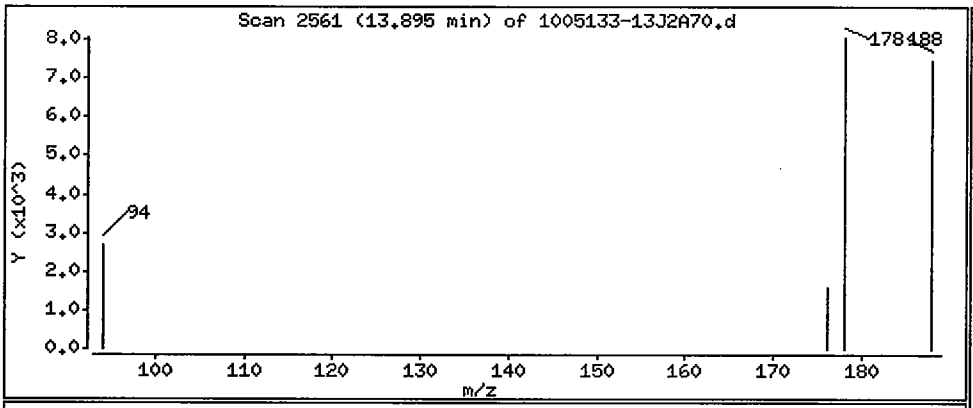
Client ID: SB72-2-3 Instrument: 5972hp70.i

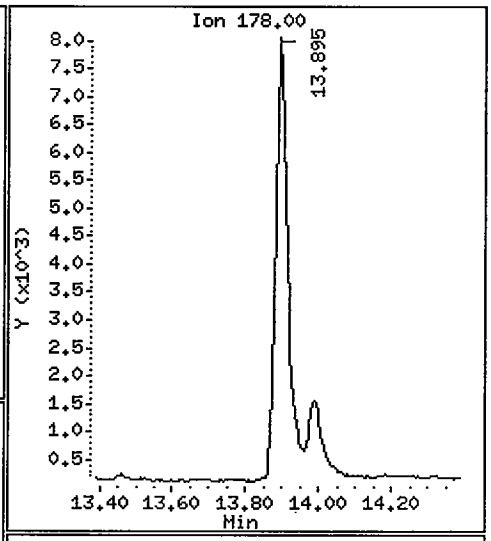
Sample Info: 1005133-13:OWS

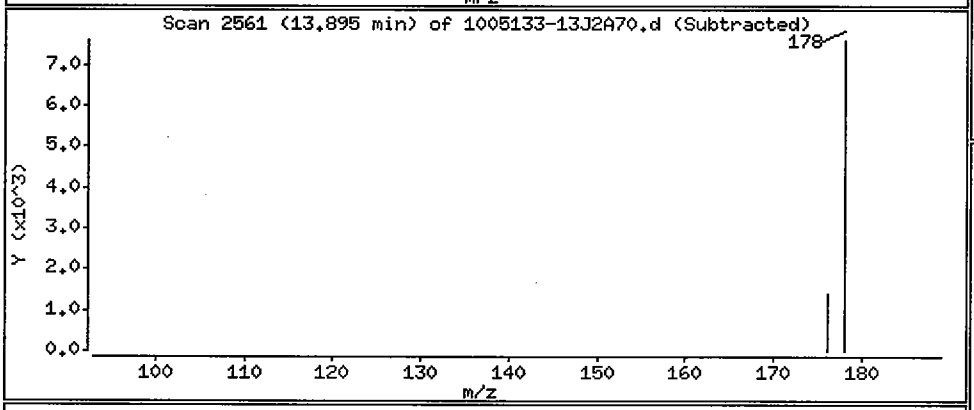
Volume Injected (uL): 2.0 Operator: OWS

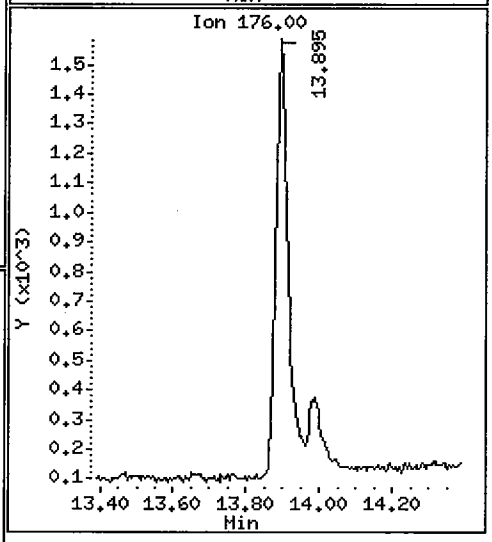
Column phase: Rtx-5MS Column diameter: 0.32

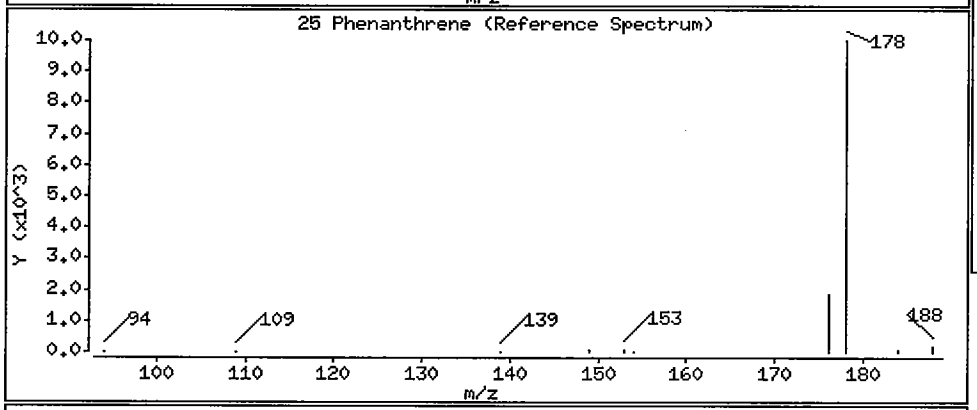
25 Phenanthrene Concentration: 4.3 ug/Kg

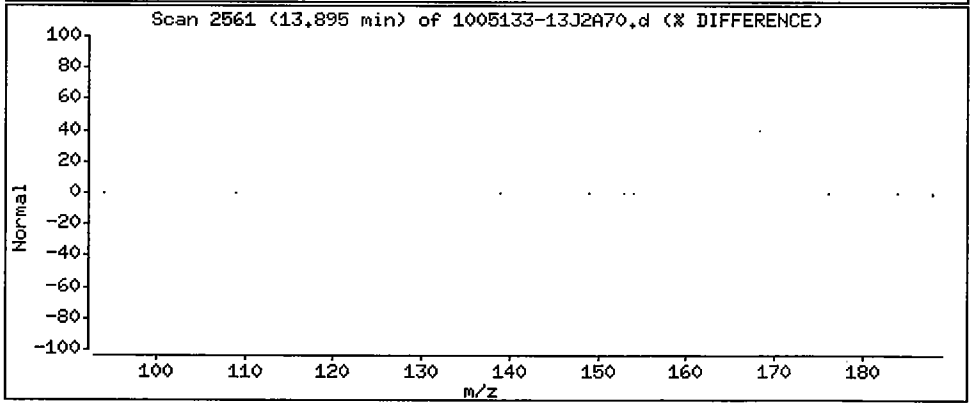












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-13J2A70.d

Date : 01-JUL-2010 16:12

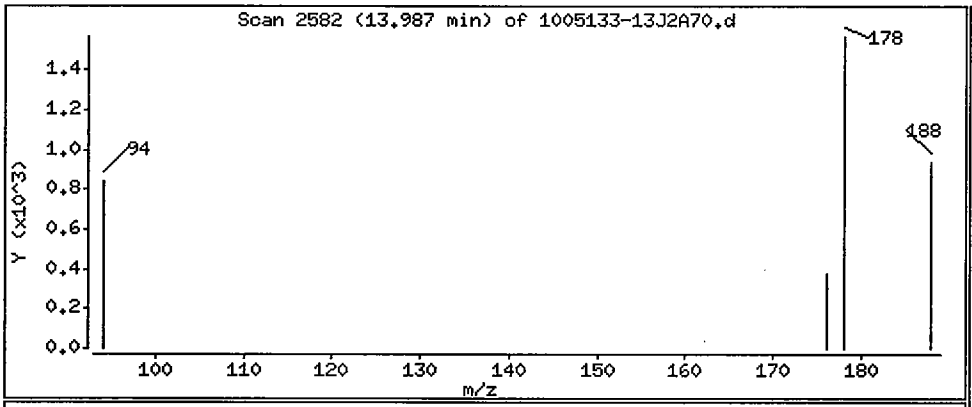
Client ID: SB72-2-3 Instrument: 5972hp70.i

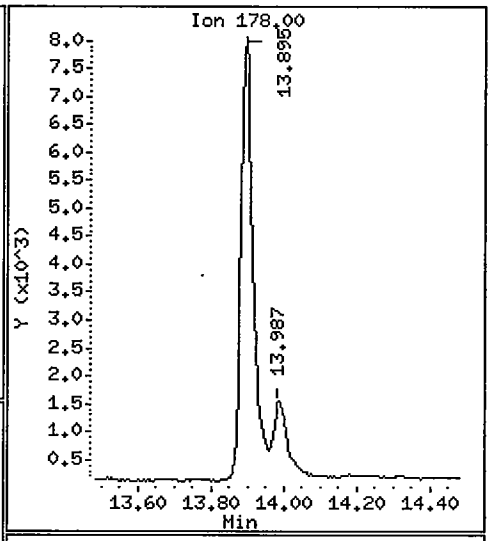
Sample Info: 1005133-13:OWS

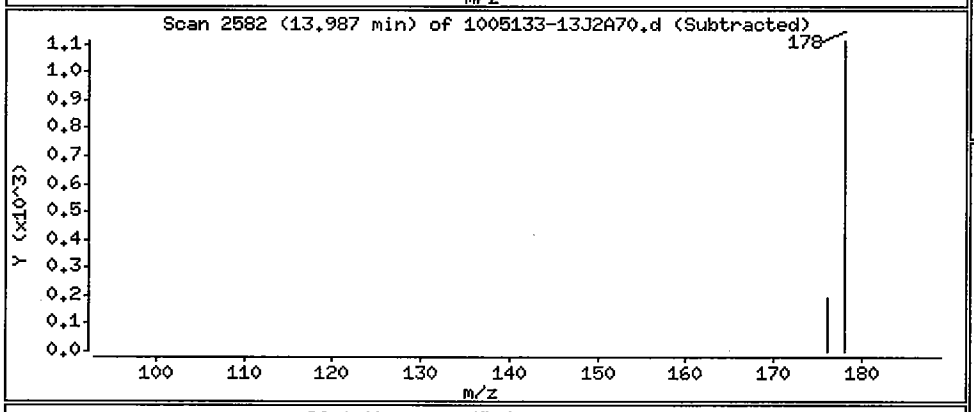
Volume Injected (uL): 2.0 Operator: OWS

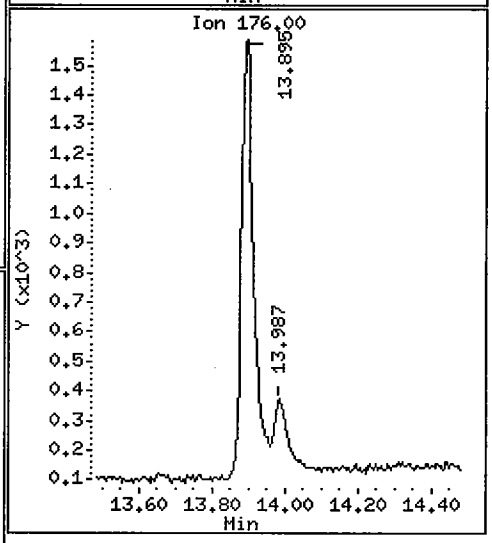
Column phase: Rtx-5MS Column diameter: 0.32

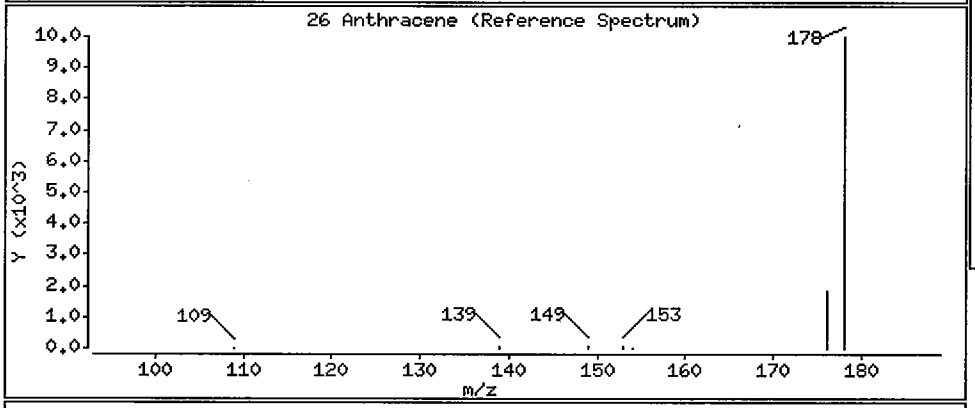
26 Anthracene Concentration: 1.0 ug/Kg

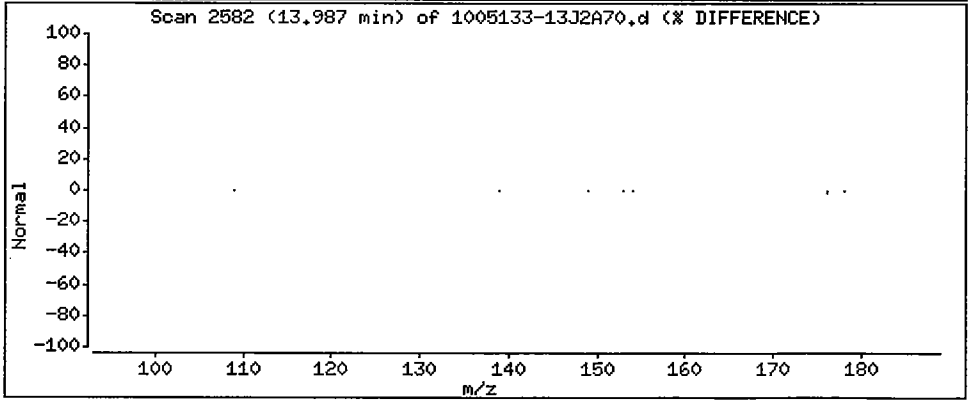












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-13J2A70.d

Date : 01-JUL-2010 16:12

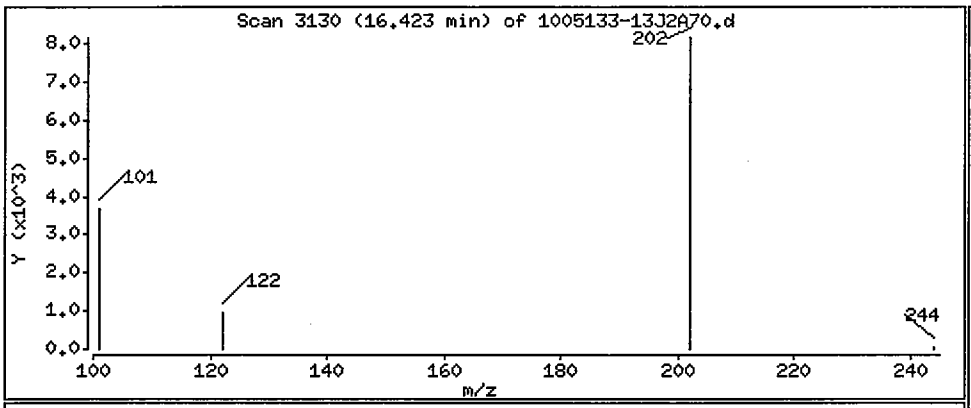
Client ID: SB72-2-3 Instrument: 5972hp70.i

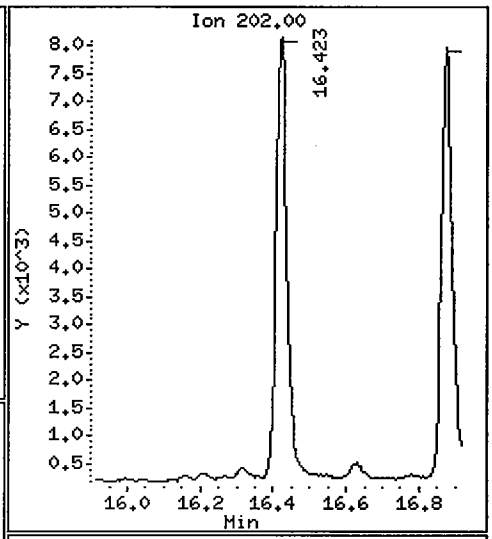
Sample Info: 1005133-13:OWS

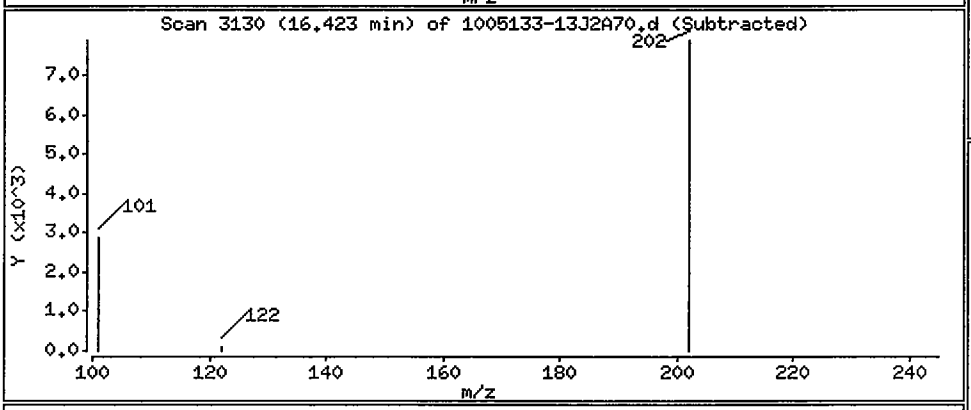
Volume Injected (uL): 2.0 Operator: OWS

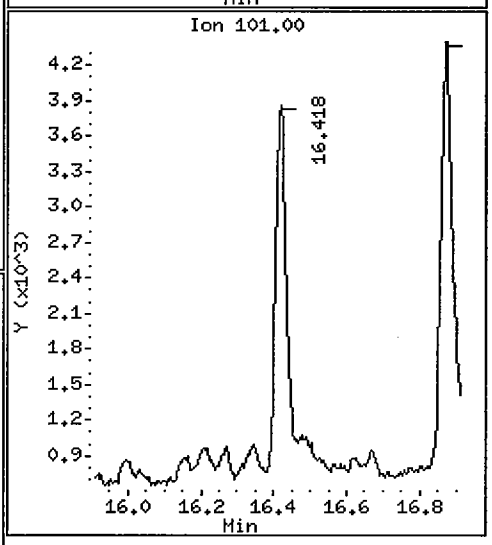
Column phase: Rtx-5MS Column diameter: 0.32

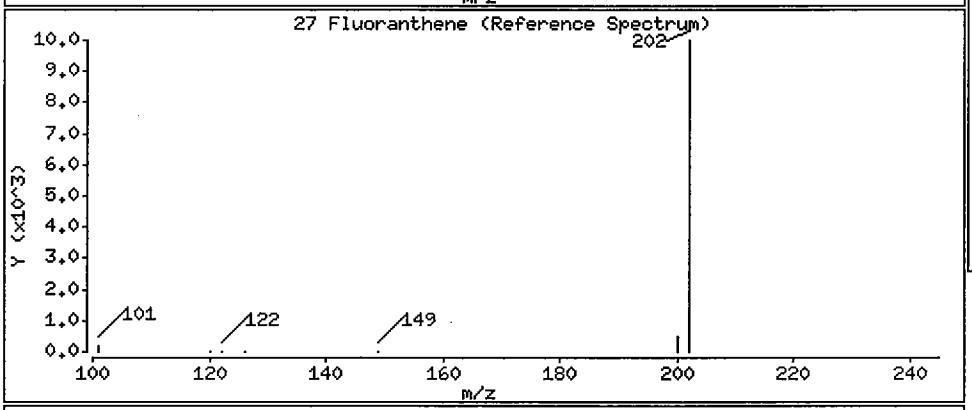
27 Fluoranthene Concentration: 4.0 ug/Kg

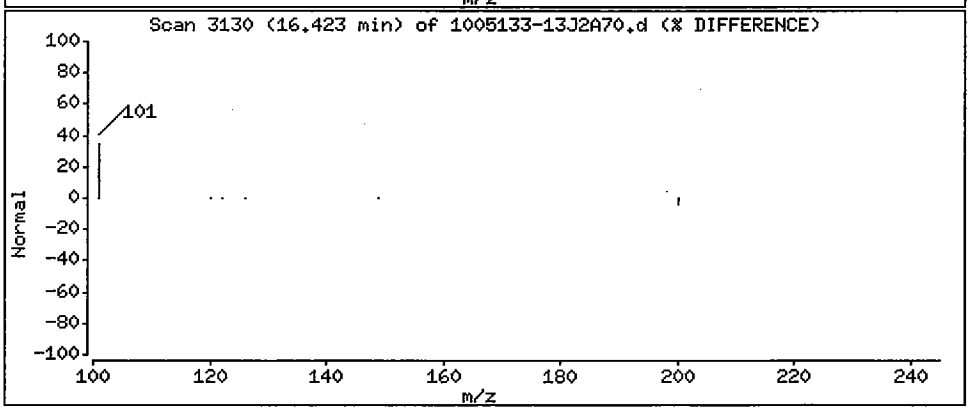












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-13J2A70.d

Date : 01-JUL-2010 16:12

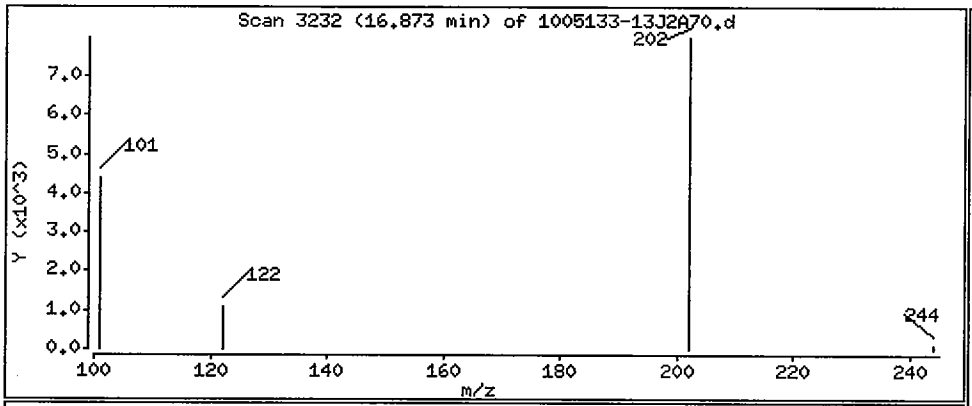
Client ID: SB72-2-3 Instrument: 5972hp70.i

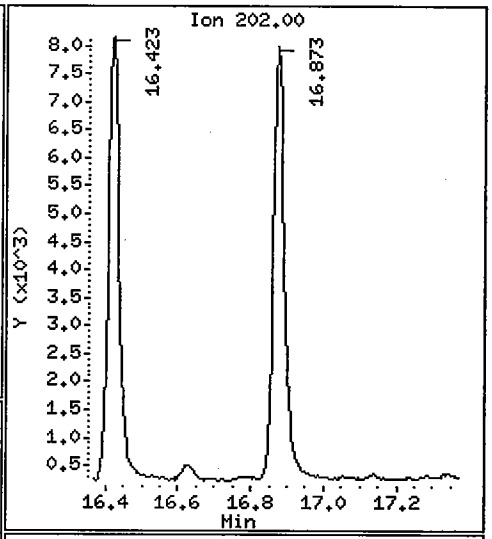
Sample Info: 1005133-13:OWS

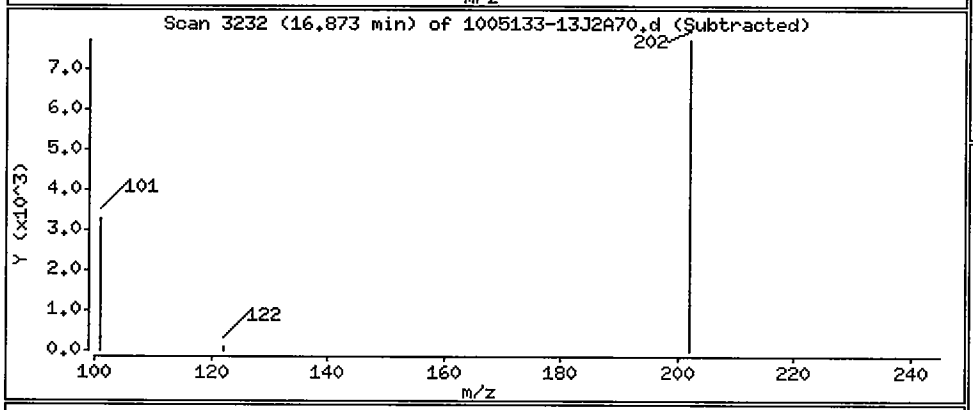
Volume Injected (uL): 2.0 Operator: OWS

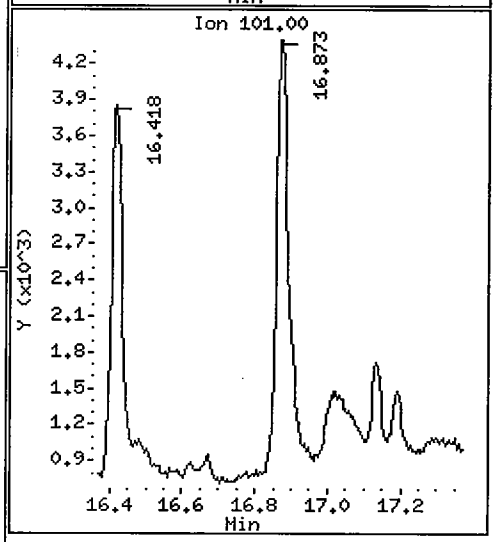
Column phase: Rtx-5MS Column diameter: 0.32

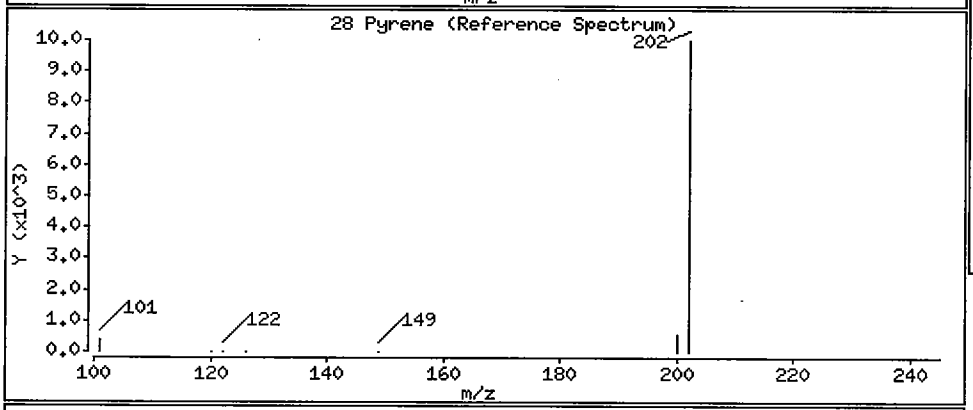
28 Pyrene Concentration: 3.5 ug/Kg

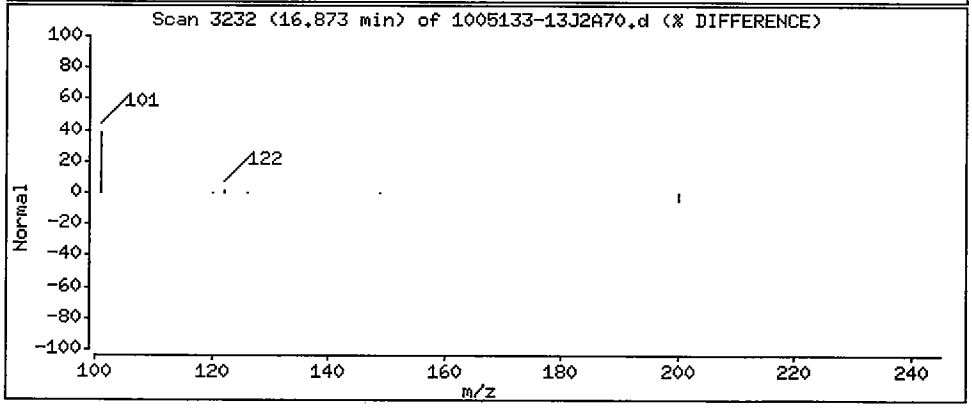












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-13J2A70.d

Date : 01-JUL-2010 16:12

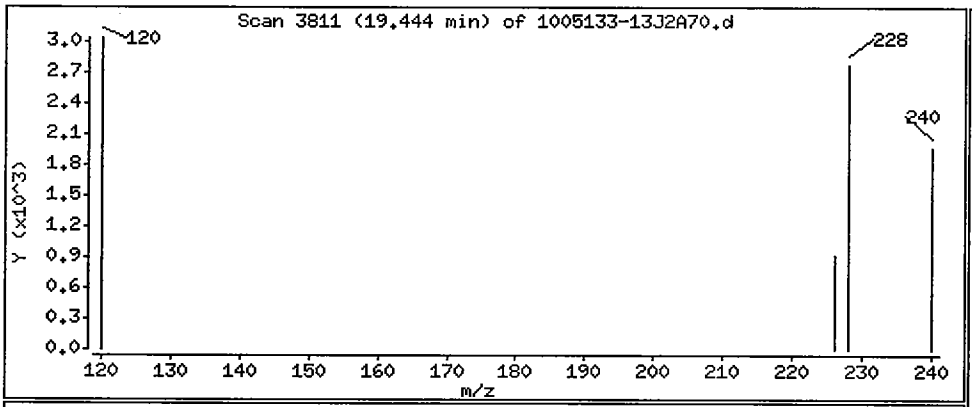
Client ID: SB72-2-3 Instrument: 5972hp70.i

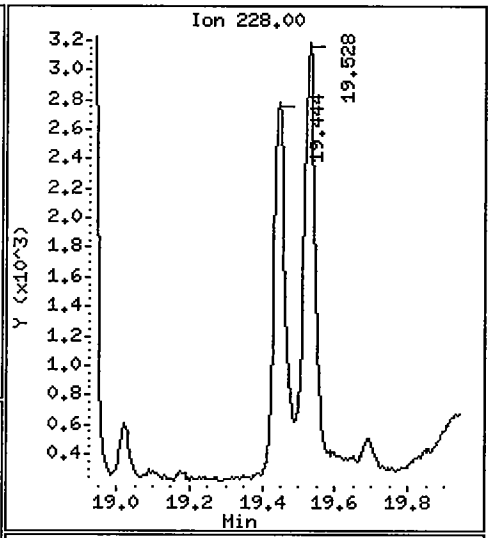
Sample Info: 1005133-13:OWS

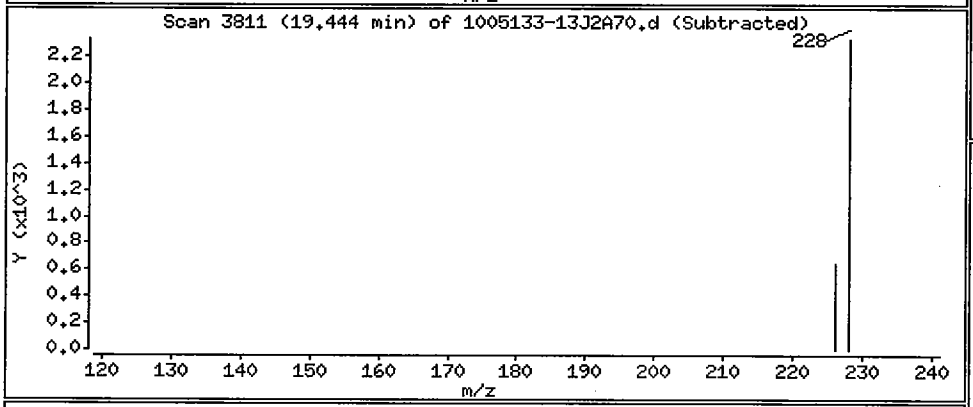
Volume Injected (uL): 2.0 Operator: OWS

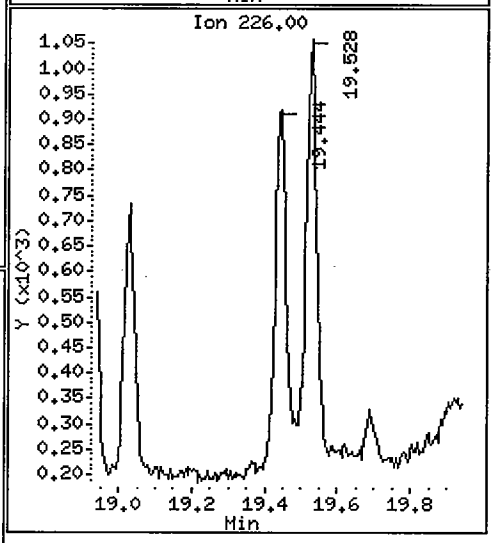
Column phase: Rtx-5MS Column diameter: 0.32

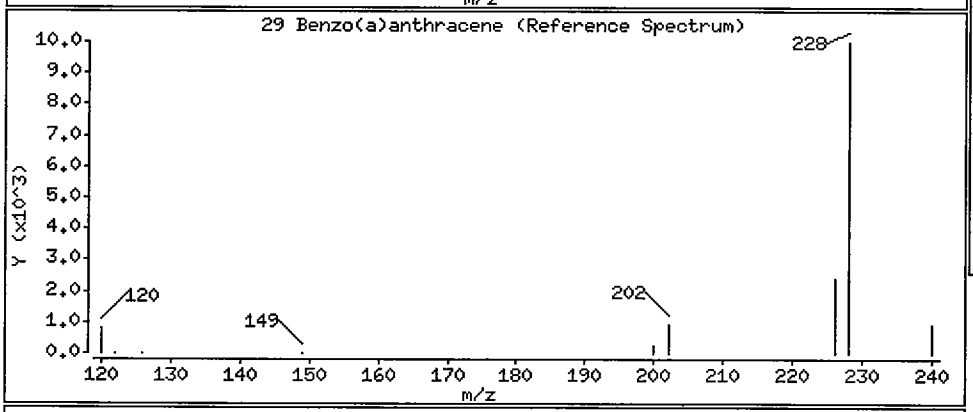
29 Benzo(a)anthracene Concentration: 1.6 ug/Kg

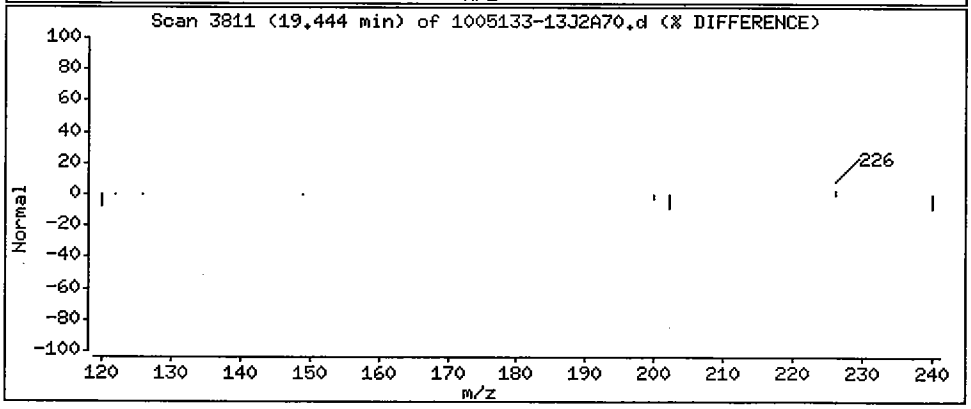












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-13J2A70.d

Date : 01-JUL-2010 16:12

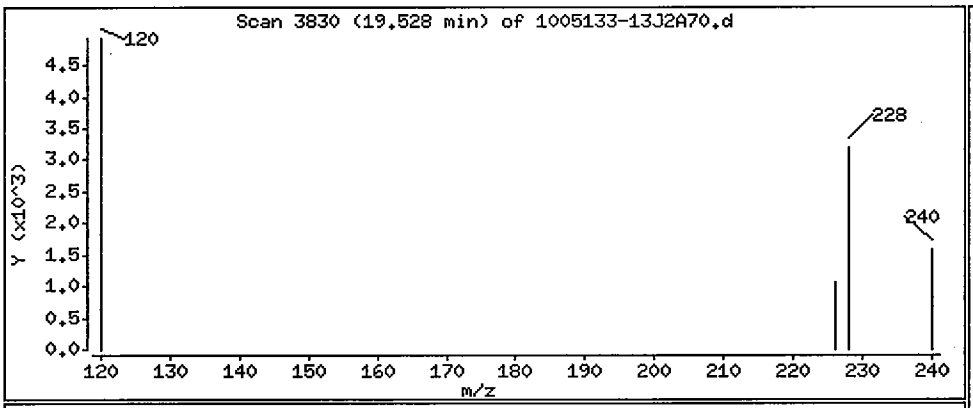
Client ID: SB72-2-3 Instrument: 5972hp70.i

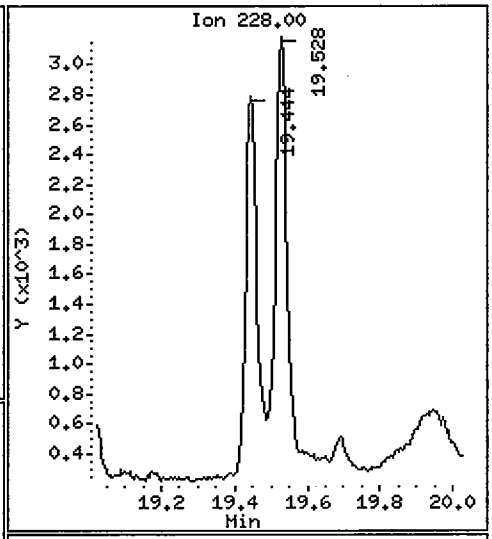
Sample Info: 1005133-13:OWS

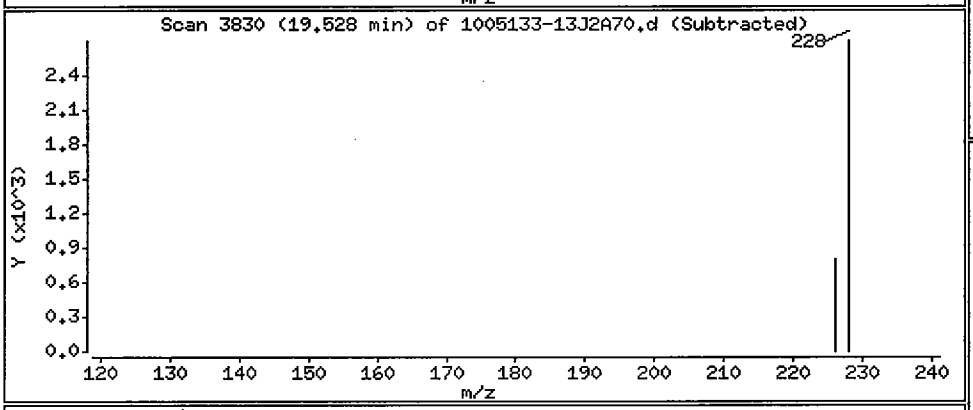
Volume Injected (uL): 2.0 Operator: OWS

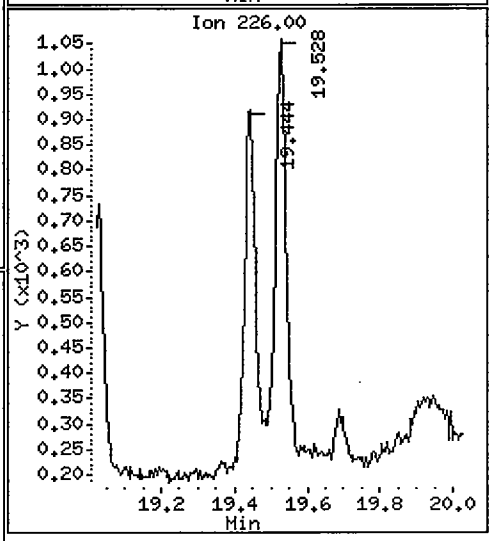
Column phase: Rtx-5MS Column diameter: 0.32

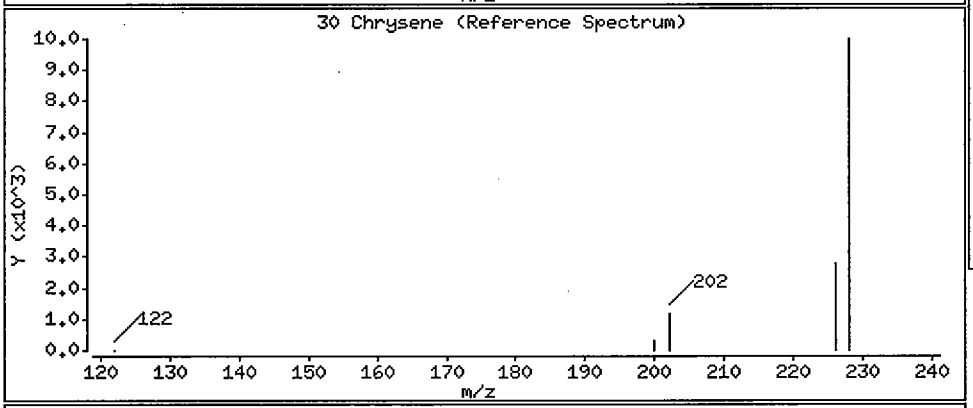
30 Chrysene Concentration: 1.6 ug/Kg

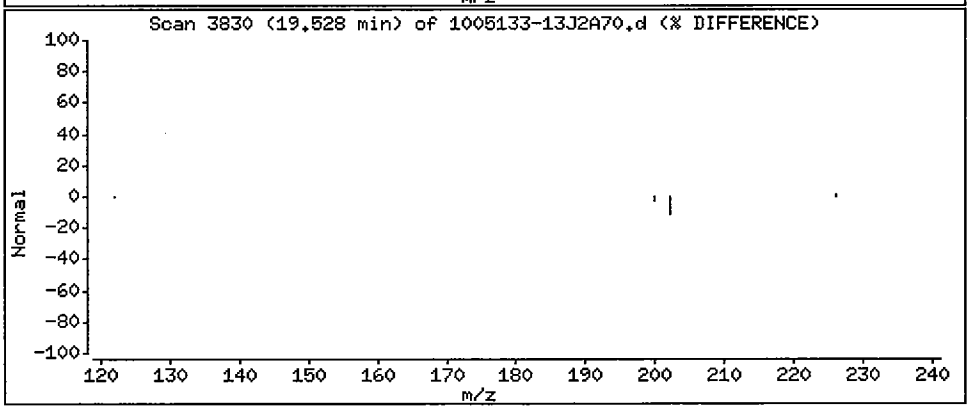












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SB74-4-5

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/17/10

Lab Sample ID: 1005133-02
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005133-02J3A66
Analyst: OWS

% Moisture: 8 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK1

Date Extracted: 05/24/10
Date Analyzed: 06/30/10
Dilution Factor: 1.0

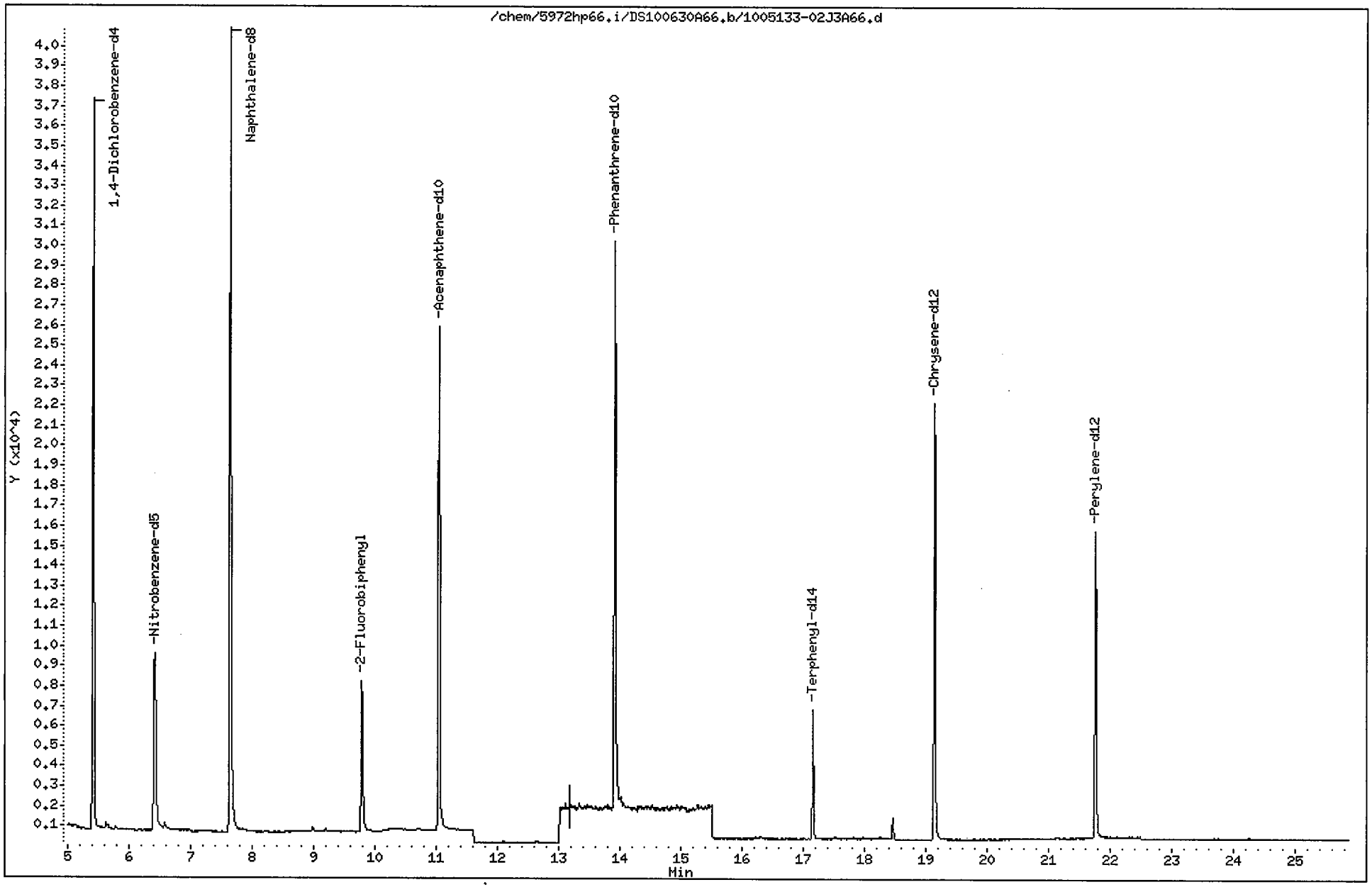
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.78	9.0	ND	U
91-57-6	2-Methylnaphthalene	0.74	9.0	ND	U
208-96-8	Acenaphthylene	0.58	9.0	ND	U
83-32-9	Acenaphthene	0.65	9.0	ND	U
86-73-7	Fluorene	0.49	9.0	ND	U
85-01-8	Phenanthrene	1.4	9.0	ND	U
120-12-7	Anthracene	0.47	9.0	ND	U
206-44-0	Fluoranthene	1.4	9.0	ND	U
129-00-0	Pyrene	0.62	9.0	ND	U
56-55-3	Benzo(a)anthracene	0.62	9.0	ND	U
218-01-9	Chrysene	0.69	9.0	ND	U
205-99-2	Benzo(b)fluoranthene	0.62	9.0	ND	U
207-08-9	Benzo(k)fluoranthene	0.47	9.0	ND	U
50-32-8	Benzo(a)pyrene	0.42	9.0	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.40	9.0	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.36	9.0	ND	U
191-24-2	Benzo(g,h,i)perylene	0.42	9.0	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp66.i/DS100630A66.b/1005133-02J3A66.d
Date : 30-JUN-2010 15:49
Client ID: SB74-4-5
Sample Info: 1005133-02:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100630A66.b/1005133-02J3A66.d
Report Date: 02-Jul-2010 15:33

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100630A66.b/1005133-02J3A66.d
Lab Smp Id: 1005133-02 Client Smp ID: SB74-4-5
Inj Date : 30-JUN-2010 15:49
Operator : OWS Inst ID: 5972hp66.i
Smp Info : 1005133-02:OWS
Misc Info : SB74-4-5
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100630A66.b/SIM_8270Cv3DOD.m
Meth Date : 02-Jul-2010 15:28 byrd Quant Type: ISTD
Cal Date : 29-JUN-2010 21:07 Cal File: 0F29011-CAL5A66.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL) (1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	8.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
* 1 1,4-Dichlorobenzene-d4	152	5.416	5.392	(1.000)	22385	2.00000		(a)
* 2 Naphthalene-d8	136	7.642	7.637	(1.000)	54339	2.00000		(a)
* 3 Acenaphthene-d10	164	11.042	11.042	(1.000)	22585	2.00000		(a)
* 4 Phenanthrene-d10	188	13.917	13.912	(1.000)	33128	2.00000		(a)
* 5 Chrysene-d12	240	19.140	19.137	(1.000)	25947	2.00000		(a)
* 6 Perylene-d12	264	21.756	21.756	(1.000)	21067	2.00000		(a)
$ 9 Nitrobenzene-d5	82	6.422	6.410	(0.840)	16119	1.05344	19	(R)
$ 10 2-Fluorobiphenyl	172	9.784	9.785	(0.886)	10523	0.55369	10	
$ 12 Terphenyl-d14	244	17.156	17.157	(0.896)	6978	0.88971	16	
13 Naphthalene	128	Compound Not Detected.						
15 2-Methylnaphthalene	141	Compound Not Detected.						
17 Acenaphthylene	152	Compound Not Detected.						
18 Acenaphthene	154	Compound Not Detected.						

Data File: /chem/5972hp66.i/DS100630A66.b/1005133-02J3A66.d
Report Date: 02-Jul-2010 15:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SB75-3.5-4.5

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/17/10

Lab Sample ID: 1005133-04
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005133-04JA66
Analyst: MEW

% Moisture: 15 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK1

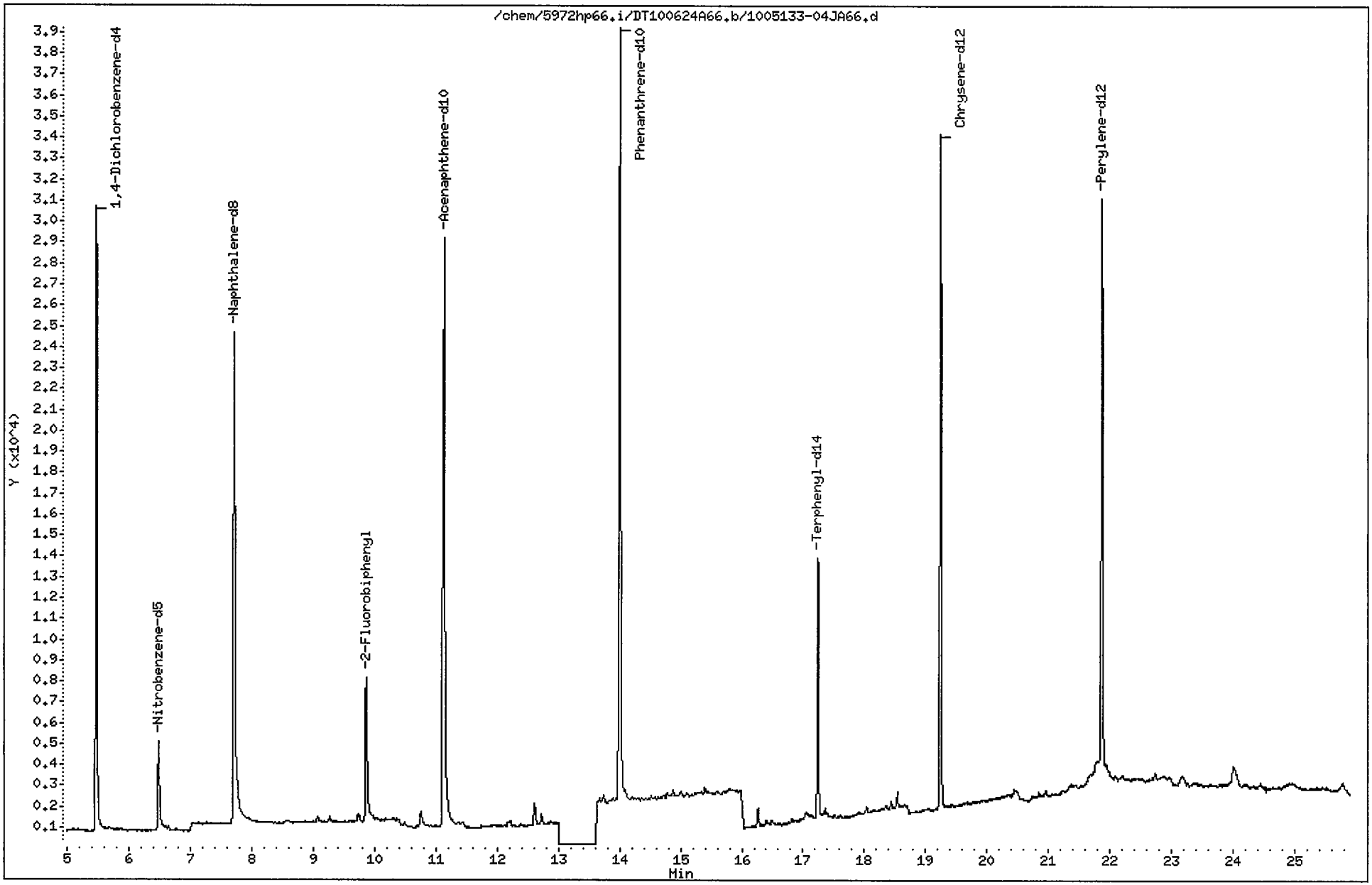
Date Extracted: 05/24/10
Date Analyzed: 06/24/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.84	9.8	ND	U
91-57-6	2-Methylnaphthalene	0.80	9.8	ND	U
208-96-8	Acenaphthylene	0.63	9.8	ND	U
83-32-9	Acenaphthene	0.71	9.8	ND	U
86-73-7	Fluorene	0.53	9.8	ND	U
85-01-8	Phenanthrene	1.5	9.8	ND	U
120-12-7	Anthracene	0.51	9.8	ND	U
206-44-0	Fluoranthene	1.6	9.8	ND	U
129-00-0	Pyrene	0.67	9.8	ND	U
56-55-3	Benzo(a)anthracene	0.67	9.8	ND	U
218-01-9	Chrysene	0.75	9.8	ND	U
205-99-2	Benzo(b)fluoranthene	0.67	9.8	ND	U
207-08-9	Benzo(k)fluoranthene	0.51	9.8	ND	U
50-32-8	Benzo(a)pyrene	0.45	9.8	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.43	9.8	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.39	9.8	ND	U
191-24-2	Benzo(g,h,i)perylene	0.45	9.8	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp66.i/DT100624A66.b/1005133-04JA66.d
Date : 24-JUN-2010 20:24
Client ID: SB75-3.5-4.5
Sample Info: 1005133-04:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp66.i/DT100624A66.b/1005133-04JA66.d
Report Date: 25-Jun-2010 11:26

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DT100624A66.b/1005133-04JA66.d
Lab Smp Id: 1005133-04 Client Smp ID: SB75-3.5-4.5
Inj Date : 24-JUN-2010 20:24
Operator : MEW Inst ID: 5972hp66.i
Smp Info : 1005133-04:MEW
Misc Info : SB75-3.5-4.5
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DT100624A66.b/SIM_8270Cv3DOD.m
Meth Date : 25-Jun-2010 10:58 byrd Quant Type: ISTD
Cal Date : 20-JUN-2010 11:07 Cal File: 0F20001-CAL5A66.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	15.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
*	1 1,4-Dichlorobenzene-d4	152	5.477	5.451	(1.000)	18110	2.00000		(a)
*	2 Naphthalene-d8	136	7.706	7.694	(1.000)	50698	2.00000		(a)
*	3 Acenaphthene-d10	164	11.129	11.104	(1.000)	28410	2.00000		(a)
*	4 Phenanthrene-d10	188	14.003	13.968	(1.000)	58340	2.00000		(a)
*	5 Chrysene-d12	240	19.239	19.204	(1.000)	43238	2.00000		(a)
*	6 Perylene-d12	264	21.864	21.824	(1.000)	36951	2.00000		(a)
$	9 Nitrobenzene-d5	82	6.487	6.461	(0.842)	5758	0.46345	9.1	
$	10 2-Fluorobiphenyl	172	9.868	9.846	(0.887)	11276	0.50129	9.8	
$	12 Terphenyl-d14	244	17.244	17.217	(0.896)	16007	1.19040	23	
	13 Naphthalene	128	Compound Not Detected.						
	15 2-Methylnaphthalene	141	Compound Not Detected.						
	17 Acenaphthylene	152	Compound Not Detected.						
	18 Acenaphthene	154	Compound Not Detected.						

Data File: /chem/5972hp66.i/DT100624A66.b/1005133-04JA66.d
Report Date: 25-Jun-2010 11:26

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SB76-6-7

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/19/10

Lab Sample ID: 1005133-17
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005133-17JA70
Analyst: OWS

% Moisture: 17 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK2

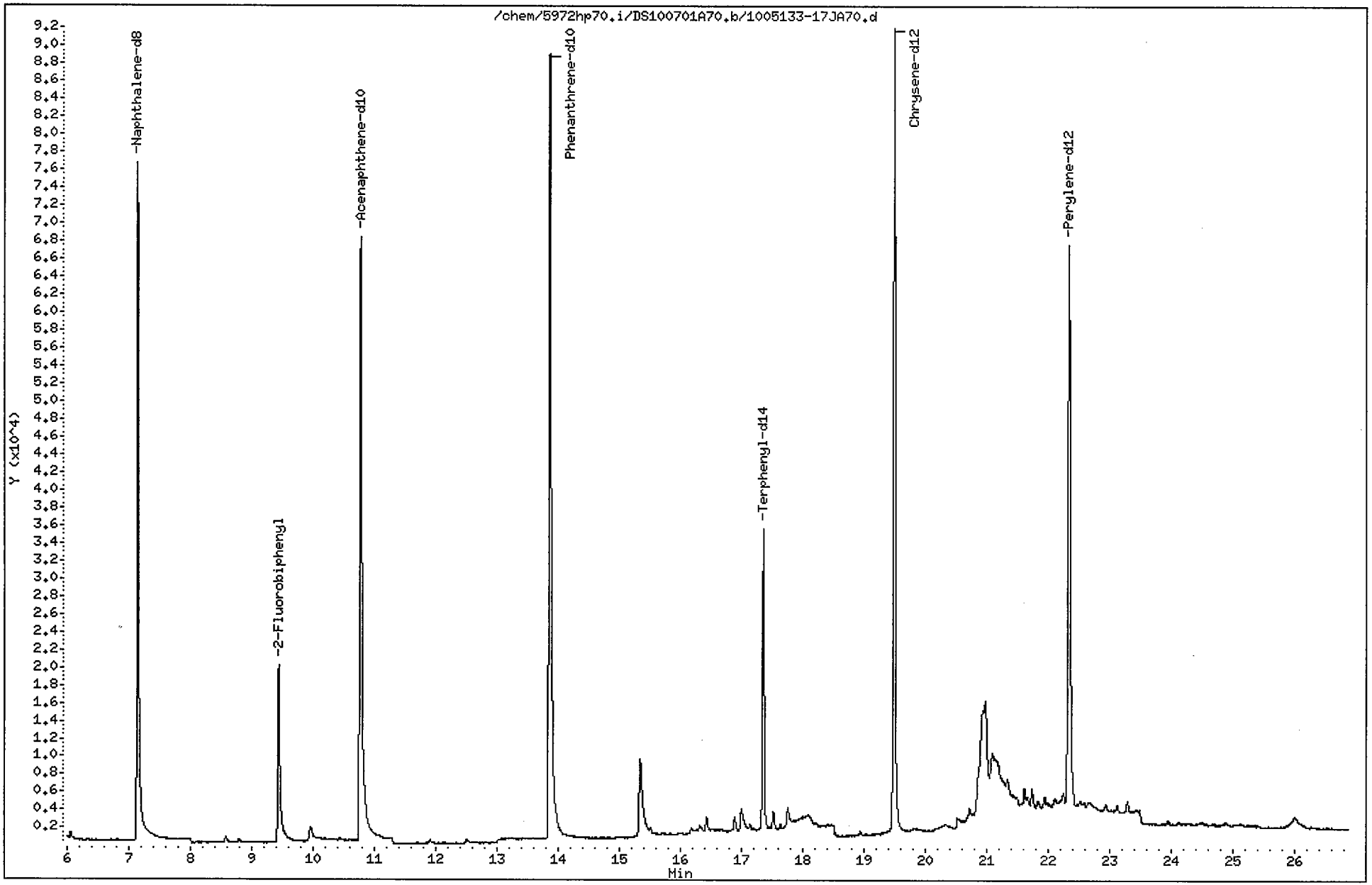
Date Extracted: 05/24/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.86	10	ND	U
91-57-6	2-Methylnaphthalene	0.82	10	ND	U
208-96-8	Acenaphthylene	0.64	10	ND	U
83-32-9	Acenaphthene	0.72	10	ND	U
86-73-7	Fluorene	0.54	10	ND	U
85-01-8	Phenanthrene	1.6	10	ND	U
120-12-7	Anthracene	0.52	10	ND	U
206-44-0	Fluoranthene	1.6	10	ND	U
129-00-0	Pyrene	0.68	10	ND	U
56-55-3	Benzo(a)anthracene	0.68	10	ND	U
218-01-9	Chrysene	0.76	10	ND	U
205-99-2	Benzo(b)fluoranthene	0.68	10	ND	U
207-08-9	Benzo(k)fluoranthene	0.52	10	ND	U
50-32-8	Benzo(a)pyrene	0.46	10	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.44	10	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.40	10	ND	U
191-24-2	Benzo(g,h,i)perylene	0.46	10	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp70.i/DS100701A70.b/1005133-17JA70.d
Date : 01-JUL-2010 18:34
Client ID: SB76-6-7
Sample Info: 1005133-17:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701A70.b/1005133-17JA70.d
Report Date: 02-Jul-2010 13:31

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701A70.b/1005133-17JA70.d
Lab Smp Id: 1005133-17 Client Smp ID: SB76-6-7
Inj Date : 01-JUL-2010 18:34
Operator : OWS Inst ID: 5972hp70.i
Smp Info : 1005133-17:OWS
Misc Info : SB76-6-7
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701A70.b/SIM_8270Cv3DOD.m
Meth Date : 02-Jul-2010 13:19 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	17.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
* 1 1,4-Dichlorobenzene-d4	152	4.842	4.820	(1.000)	37544	2.00000		(a)
* 2 Naphthalene-d8	136	7.138	7.130	(1.000)	137771	2.00000		(a)
* 3 Acenaphthene-d10	164	10.770	10.763	(1.000)	86931	2.00000		(a)
* 4 Phenanthrene-d10	188	13.858	13.846	(1.000)	176408	2.00000		(a)
* 5 Chrysene-d12	240	19.485	19.476	(1.000)	146116	2.00000		(a)
* 6 Perylene-d12	264	22.336	22.314	(1.000)	136010	2.00000		(a)
$ 9 Nitrobenzene-d5	82	5.866	5.856	(0.822)	30835	0.69163	14	
$ 10 2-Fluorobiphenyl	172	9.437	9.432	(0.876)	38266	0.63871	13	
$ 12 Terphenyl-d14	244	17.349	17.343	(0.890)	48858	0.93938	19	
13 Naphthalene	128	Compound Not Detected.						
15 2-Methylnaphthalene	141	Compound Not Detected.						
17 Acenaphthylene	152	Compound Not Detected.						
18 Acenaphthene	154	Compound Not Detected.						

07/2/10

Data File: /chem/5972hp70.i/DS100701A70.b/1005133-17JA70.d
Report Date: 02-Jul-2010 13:31

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SB87-3-4

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/19/10

Lab Sample ID: 1005133-19
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005133-19JA70
Analyst: OWS

% Moisture: 27 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK2

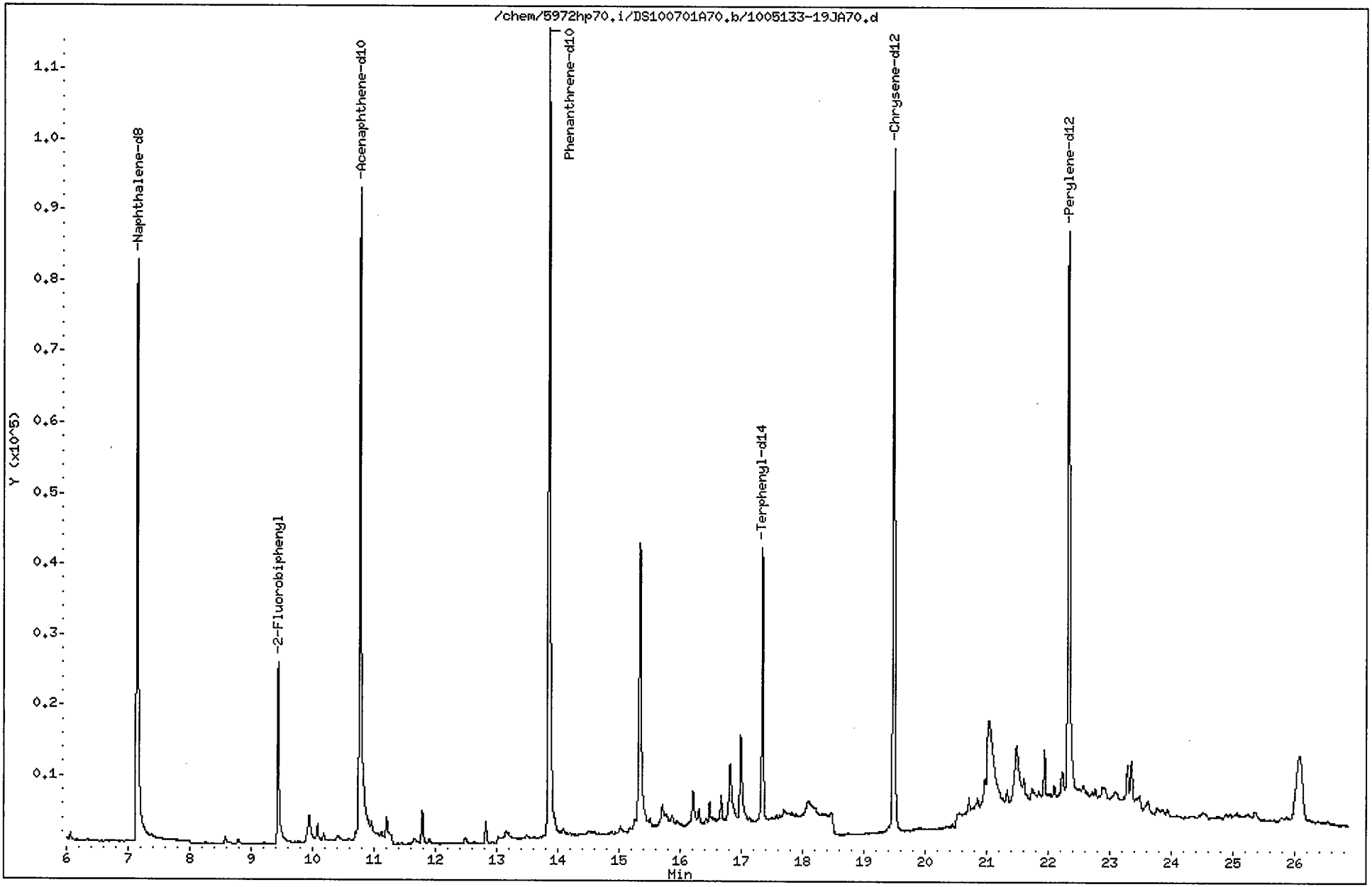
Date Extracted: 05/24/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.98	11	ND	U
91-57-6	2-Methylnaphthalene	0.94	11	ND	U
208-96-8	Acenaphthylene	0.73	11	ND	U
83-32-9	Acenaphthene	0.82	11	ND	U
86-73-7	Fluorene	0.62	11	ND	U
85-01-8	Phenanthrene	1.8	11	ND	U
120-12-7	Anthracene	0.59	11	ND	U
206-44-0	Fluoranthene	1.8	11	ND	U
129-00-0	Pyrene	0.78	11	ND	U
56-55-3	Benzo(a)anthracene	0.78	11	ND	U
218-01-9	Chrysene	0.87	11	ND	U
205-99-2	Benzo(b)fluoranthene	0.78	11	ND	U
207-08-9	Benzo(k)fluoranthene	0.59	11	ND	U
50-32-8	Benzo(a)pyrene	0.53	11	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.50	11	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.46	11	ND	U
191-24-2	Benzo(g,h,i)perylene	0.53	11	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp70.i/DS100701A70.b/1005133-19JA70.d
Date : 01-JUL-2010 19:45
Client ID: SB87-3-4
Sample Info: 1005133-19:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701A70.b/1005133-19JA70.d
Report Date: 02-Jul-2010 13:31

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701A70.b/1005133-19JA70.d
Lab Smp Id: 1005133-19 Client Smp ID: SB87-3-4
Inj Date : 01-JUL-2010 19:45
Operator : OWS Inst ID: 5972hp70.i
Smp Info : 1005133-19:OWS
Misc Info : SB87-3-4
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701A70.b/SIM_8270Cv3DOD.m
Meth Date : 02-Jul-2010 13:19 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	27.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)	
*	1 1,4-Dichlorobenzene-d4	152	4.843	4.820	(1.000)	39832	2.00000		
*	2 Naphthalene-d8	136	7.146	7.130	(1.000)	154505	2.00000		
*	3 Acenaphthene-d10	164	10.770	10.763	(1.000)	97706	2.00000		
*	4 Phenanthrene-d10	188	13.855	13.846	(1.000)	193760	2.00000		
*	5 Chrysene-d12	240	19.492	19.476	(1.000)	157483	2.00000		
*	6 Perylene-d12	264	22.340	22.314	(1.000)	148151	2.00000		
$	9 Nitrobenzene-d5	82	5.867	5.856	(0.821)	26906	0.53814		12
$	10 2-Fluorobiphenyl	172	9.438	9.432	(0.876)	39105	0.58073		13
$	12 Terphenyl-d14	244	17.350	17.343	(0.890)	52588	0.93811		21
	13 Naphthalene	128	Compound Not Detected.						
	15 2-Methylnaphthalene	141	Compound Not Detected.						
	17 Acenaphthylene	152	Compound Not Detected.						
	18 Acenaphthene	154	Compound Not Detected.						

Data File: /chem/5972hp70.i/DS100701A70.b/1005133-19JA70.d
Report Date: 02-Jul-2010 13:31

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SB88-2.5-3.5

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/19/10

Lab Sample ID: 1005133-15
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005133-15JA70
Analyst: OWS

% Moisture: 27 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK2

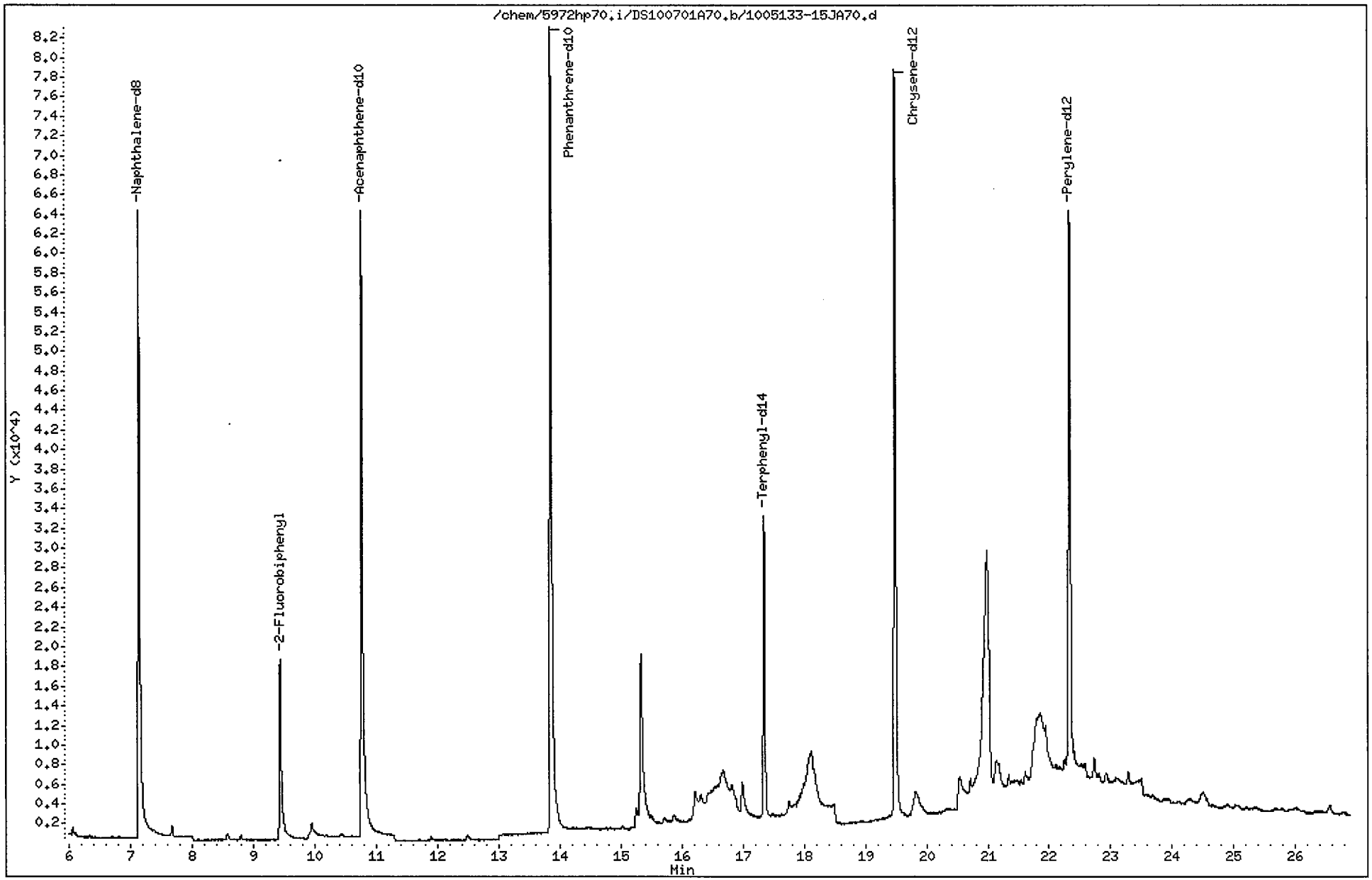
Date Extracted: 05/24/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.98	11	ND	U
91-57-6	2-Methylnaphthalene	0.94	11	ND	U
208-96-8	Acenaphthylene	0.73	11	ND	U
83-32-9	Acenaphthene	0.82	11	ND	U
86-73-7	Fluorene	0.62	11	ND	U
85-01-8	Phenanthrene	1.8	11	ND	U
120-12-7	Anthracene	0.59	11	ND	U
206-44-0	Fluoranthene	1.8	11	ND	U
129-00-0	Pyrene	0.78	11	ND	U
56-55-3	Benzo(a)anthracene	0.78	11	ND	U
218-01-9	Chrysene	0.87	11	ND	U
205-99-2	Benzo(b)fluoranthene	0.78	11	ND	U
207-08-9	Benzo(k)fluoranthene	0.59	11	ND	U
50-32-8	Benzo(a)pyrene	0.53	11	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.50	11	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.46	11	ND	U
191-24-2	Benzo(g,h,i)perylene	0.53	11	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp70.i/DS100701A70.b/1005133-15JA70.d
Date : 01-JUL-2010 17:23
Client ID: SB88-2.5-3.5
Sample Info: 1005133-15:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701A70.b/1005133-15JA70.d
Report Date: 02-Jul-2010 13:31

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701A70.b/1005133-15JA70.d
Lab Smp Id: 1005133-15 Client Smp ID: SB88-2.5-3.5
Inj Date : 01-JUL-2010 17:23
Operator : OWS Inst ID: 5972hp70.i
Smp Info : 1005133-15:OWS
Misc Info : SB88-2.5-3.5
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701A70.b/SIM_8270Cv3DOD.m
Meth Date : 02-Jul-2010 13:19 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	27.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	4.845	4.820	(1.000)	32722	2.00000	
* 2 Naphthalene-d8	136	7.145	7.130	(1.000)	121345	2.00000	
* 3 Acenaphthene-d10	164	10.770	10.763	(1.000)	75791	2.00000	
* 4 Phenanthrene-d10	188	13.858	13.846	(1.000)	153290	2.00000	
* 5 Chrysene-d12	240	19.489	19.476	(1.000)	124842	2.00000	
* 6 Perylene-d12	264	22.332	22.314	(1.000)	114892	2.00000	
$ 9 Nitrobenzene-d5	82	5.869	5.856	(0.821)	25559	0.65089	15
$ 10 2-Fluorobiphenyl	172	9.437	9.432	(0.876)	33470	0.64077	15
$ 12 Terphenyl-d14	244	17.349	17.343	(0.890)	43648	0.98221	22
13 Naphthalene	128	Compound Not Detected.					
15 2-Methylnaphthalene	141	Compound Not Detected.					
17 Acenaphthylene	152	Compound Not Detected.					
18 Acenaphthene	154	Compound Not Detected.					

Data File: /chem/5972hp70.i/DS100701A70.b/1005133-15JA70.d
Report Date: 02-Jul-2010 13:31

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SS61-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/18/10

Lab Sample ID: 1005133-07
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005133-07A66
Analyst: MEW

% Moisture: 8 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK1

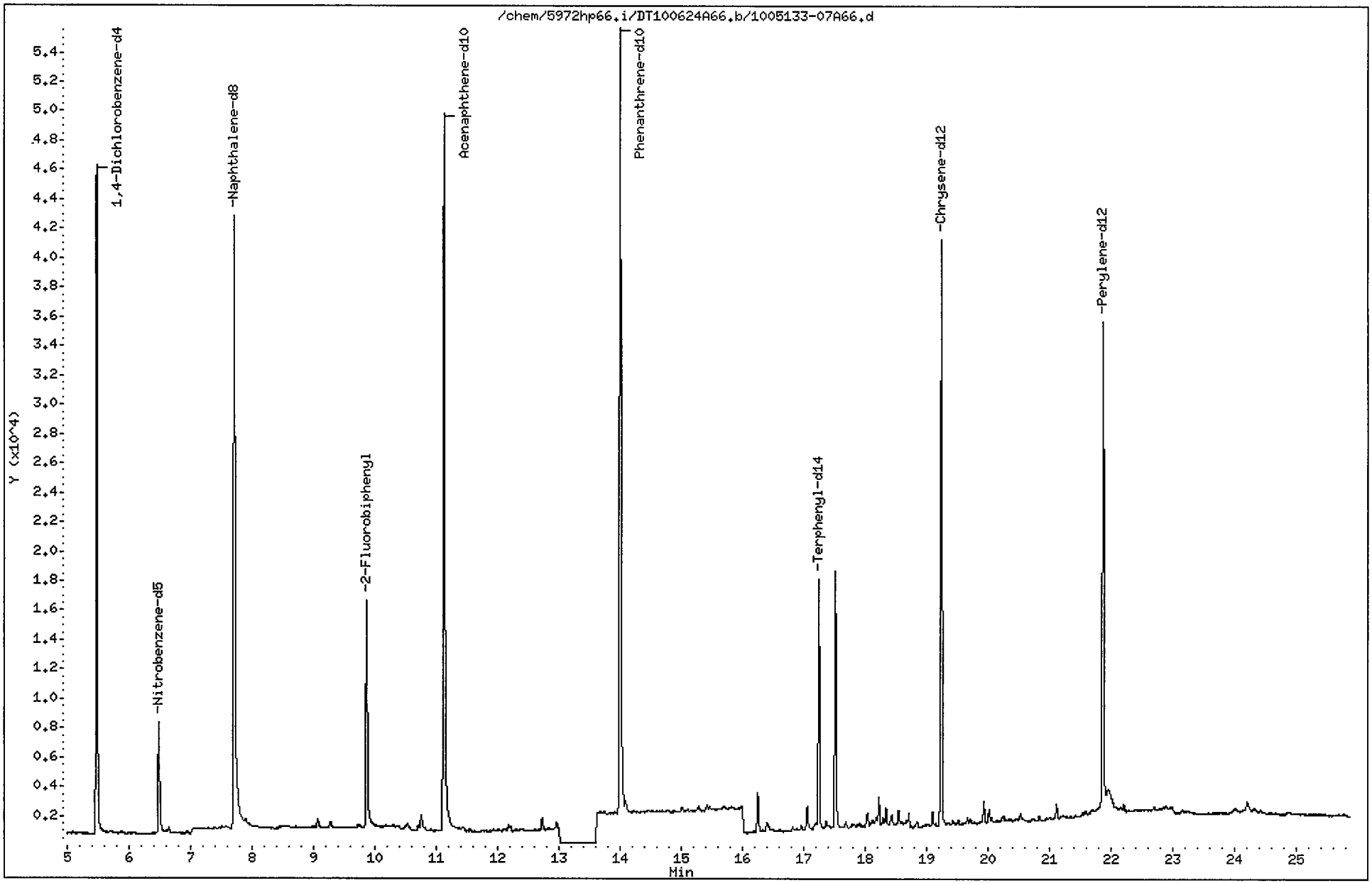
Date Extracted: 05/24/10
Date Analyzed: 06/24/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.78	9.0	ND	U
91-57-6	2-Methylnaphthalene	0.74	9.0	ND	U
208-96-8	Acenaphthylene	0.58	9.0	ND	U
83-32-9	Acenaphthene	0.65	9.0	ND	U
86-73-7	Fluorene	0.49	9.0	ND	U
85-01-8	Phenanthrene	1.4	9.0	ND	U
120-12-7	Anthracene	0.47	9.0	ND	U
206-44-0	Fluoranthene	1.4	9.0	ND	U
129-00-0	Pyrene	0.62	9.0	ND	U
56-55-3	Benzo(a)anthracene	0.62	9.0	ND	U
218-01-9	Chrysene	0.69	9.0	ND	U
205-99-2	Benzo(b)fluoranthene	0.62	9.0	ND	U
207-08-9	Benzo(k)fluoranthene	0.47	9.0	ND	U
50-32-8	Benzo(a)pyrene	0.42	9.0	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.40	9.0	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.36	9.0	ND	U
191-24-2	Benzo(g,h,i)perylene	0.42	9.0	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp66.i/DT100624A66.b/1005133-07A66.d
Date : 24-JUN-2010 21:32
Client ID: SS61-0-1
Instrument: 5972hp66.i
Sample Info: 1005133-07:MEW
Volume Injected (uL): 2.0
Operator: MEW
Column phase: Rtx-5MS
Column diameter: 0.32



Data File: /chem/5972hp66.i/DT100624A66.b/1005133-07A66.d
Report Date: 25-Jun-2010 11:37

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DT100624A66.b/1005133-07A66.d
Lab Smp Id: 1005133-07 Client Smp ID: SS61-0-1
Inj Date : 24-JUN-2010 21:32
Operator : MEW Inst ID: 5972hp66.i
Smp Info : 1005133-07:MEW
Misc Info : SS61-0-1
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DT100624A66.b/SIM_8270Cv3DOD.m
Meth Date : 25-Jun-2010 10:58 byrd Quant Type: ISTD
Cal Date : 20-JUN-2010 11:07 Cal File: 0F20001-CAL5A66.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	8.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
* 1 1,4-Dichlorobenzene-d4	152	5.480	5.451	(1.000)	26814	2.00000		(a)
* 2 Naphthalene-d8	136	7.706	7.694	(1.000)	82533	2.00000		(a)
* 3 Acenaphthene-d10	164	11.128	11.104	(1.000)	46542	2.00000		(a)
* 4 Phenanthrene-d10	188	14.002	13.968	(1.000)	87208	2.00000		(a)
* 5 Chrysene-d12	240	19.235	19.204	(1.000)	52838	2.00000		(a)
* 6 Perylene-d12	264	21.865	21.824	(1.000)	45060	2.00000		(a)
$ 9 Nitrobenzene-d5	82	6.485	6.461	(0.842)	9295	0.45957	8.3	
$ 10 2-Fluorobiphenyl	172	9.865	9.846	(0.886)	21408	0.58095	11	
$ 12 Terphenyl-d14	244	17.244	17.217	(0.896)	21324	1.29769	24	(R)
13 Naphthalene	128	Compound Not Detected.						
15 2-Methylnaphthalene	141	Compound Not Detected.						
17 Acenaphthylene	152	Compound Not Detected.						
18 Acenaphthene	154	Compound Not Detected.						

6/25/10

Data File: /chem/5972hp66.i/DT100624A66.b/1005133-07A66.d
Report Date: 25-Jun-2010 11:37

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SS61D-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/18/10

Lab Sample ID: 1005133-08
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005133-08A66
Analyst: MEW

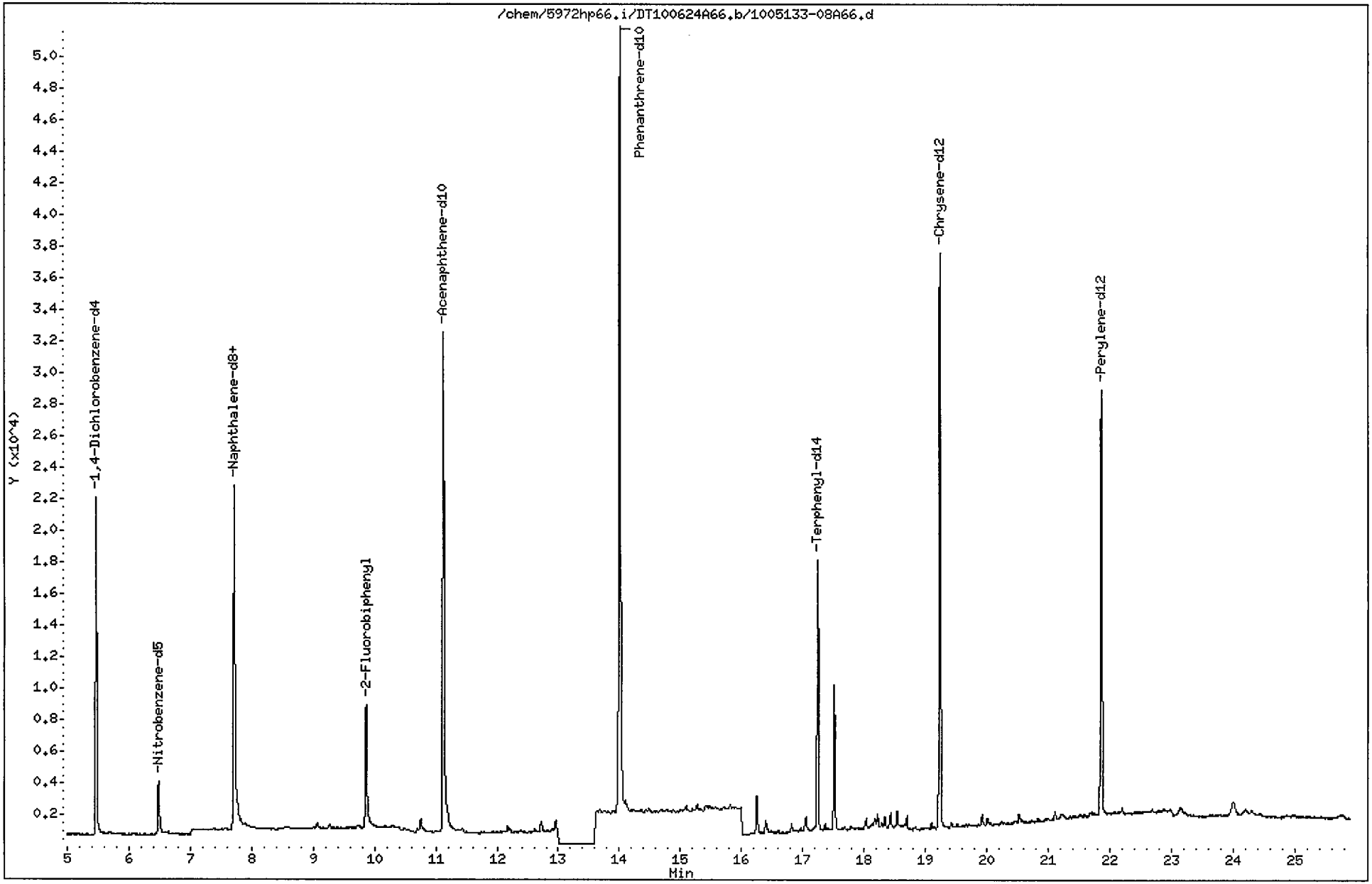
% Moisture: 7 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK1

Date Extracted: 05/24/10
Date Analyzed: 06/24/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.77	8.9	0.80	J
91-57-6	2-Methylnaphthalene	0.73	8.9	ND	U
208-96-8	Acenaphthylene	0.57	8.9	ND	U
83-32-9	Acenaphthene	0.65	8.9	ND	U
86-73-7	Fluorene	0.48	8.9	ND	U
85-01-8	Phenanthrene	1.4	8.9	ND	U
120-12-7	Anthracene	0.47	8.9	ND	U
206-44-0	Fluoranthene	1.4	8.9	ND	U
129-00-0	Pyrene	0.61	8.9	ND	U
56-55-3	Benzo(a)anthracene	0.61	8.9	ND	U
218-01-9	Chrysene	0.68	8.9	ND	U
205-99-2	Benzo(b)fluoranthene	0.61	8.9	ND	U
207-08-9	Benzo(k)fluoranthene	0.47	8.9	ND	U
50-32-8	Benzo(a)pyrene	0.41	8.9	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.39	8.9	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.36	8.9	ND	U
191-24-2	Benzo(g,h,i)perylene	0.41	8.9	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp66.i/DT100624A66.b/1005133-08A66.d
Date : 24-JUN-2010 22:07
Client ID: SS61D-0-1
Instrument: 5972hp66.i
Sample Info: 1005133-08:MEW
Volume Injected (uL): 2.0
Operator: MEW
Column phase: Rtx-5MS
Column diameter: 0.32



Data File: /chem/5972hp66.i/DT100624A66.b/1005133-08A66.d
Report Date: 25-Jun-2010 11:37

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DT100624A66.b/1005133-08A66.d
Lab Smp Id: 1005133-08 Client Smp ID: SS61D-0-1
Inj Date : 24-JUN-2010 22:07
Operator : MEW Inst ID: 5972hp66.i
Smp Info : 1005133-08:MEW
Misc Info : SS61D-0-1
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DT100624A66.b/SIM_8270Cv3DOD.m
Meth Date : 25-Jun-2010 10:58 byrd Quant Type: ISTD
Cal Date : 20-JUN-2010 11:07 Cal File: 0F20001-CAL5A66.d
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	7.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	5.467	5.451	(1.000)	12632	2.00000	
* 2 Naphthalene-d8	136	7.705	7.694	(1.000)	41931	2.00000	
* 3 Acenaphthene-d10	164	11.129	11.104	(1.000)	32180	2.00000	
* 4 Phenanthrene-d10	188	14.003	13.968	(1.000)	83916	2.00000	
* 5 Chrysene-d12	240	19.234	19.204	(1.000)	49432	2.00000	
* 6 Perylene-d12	264	21.860	21.824	(1.000)	36986	2.00000	
$ 9 Nitrobenzene-d5	82	6.481	6.461	(0.841)	4313	0.41973	7.5
$ 10 2-Fluorobiphenyl	172	9.865	9.846	(0.886)	11731	0.46042	8.3
$ 12 Terphenyl-d14	244	17.244	17.217	(0.897)	21779	1.41670	25(R)
13 Naphthalene	128	7.740	7.718	(1.004)	1087	0.04440	0.80(aM)
15 2-Methylnaphthalene	141	Compound Not Detected.					
17 Acenaphthylene	152	Compound Not Detected.					
18 Acenaphthene	154	Compound Not Detected.					

6/1/10

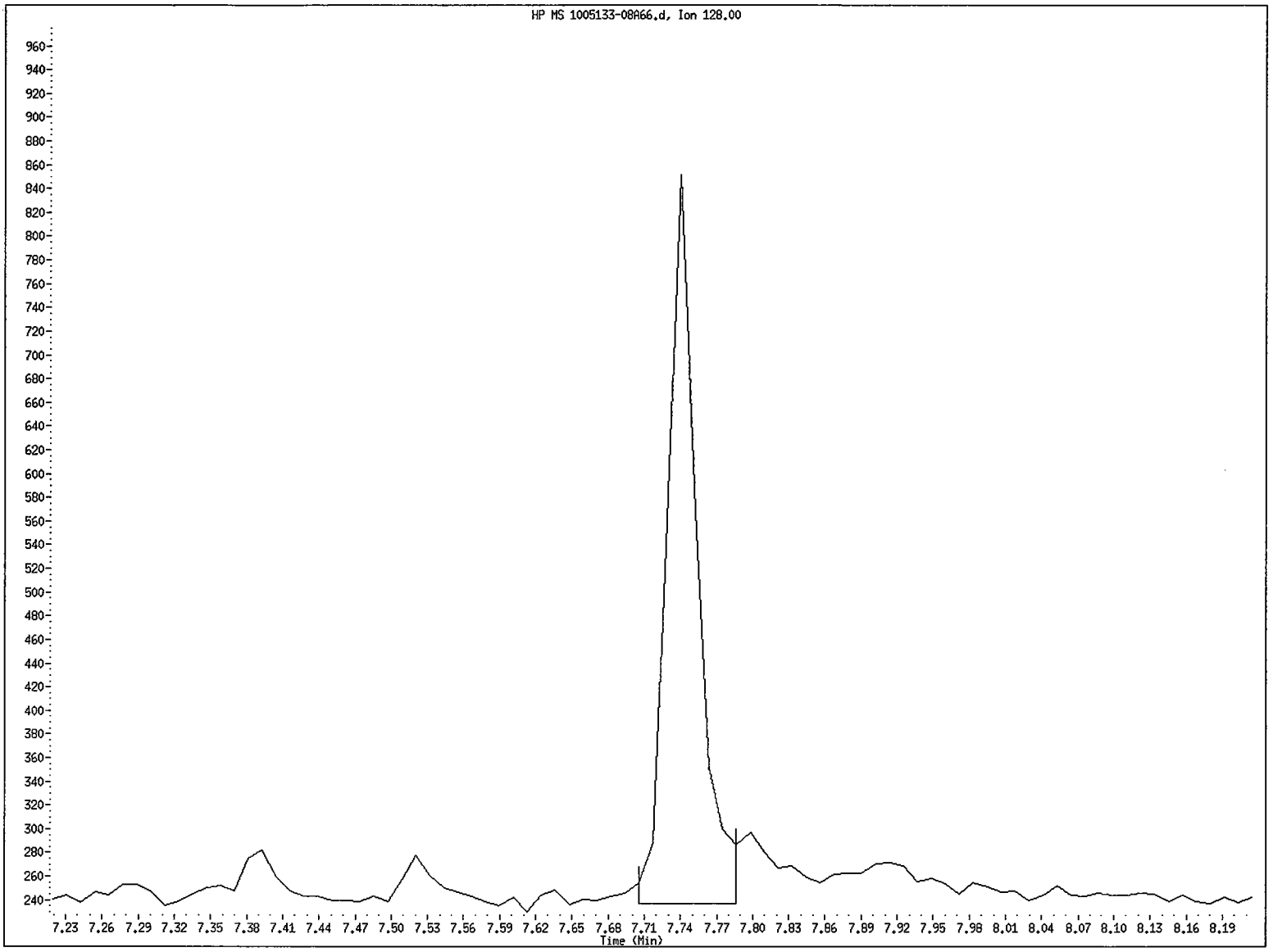
Data File: /chem/5972hp66.i/DT100624A66.b/1005133-08A66.d
Report Date: 25-Jun-2010 11:37

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Naphthalene CAS Number 91-20-3 Area = 1087 Manually integrated



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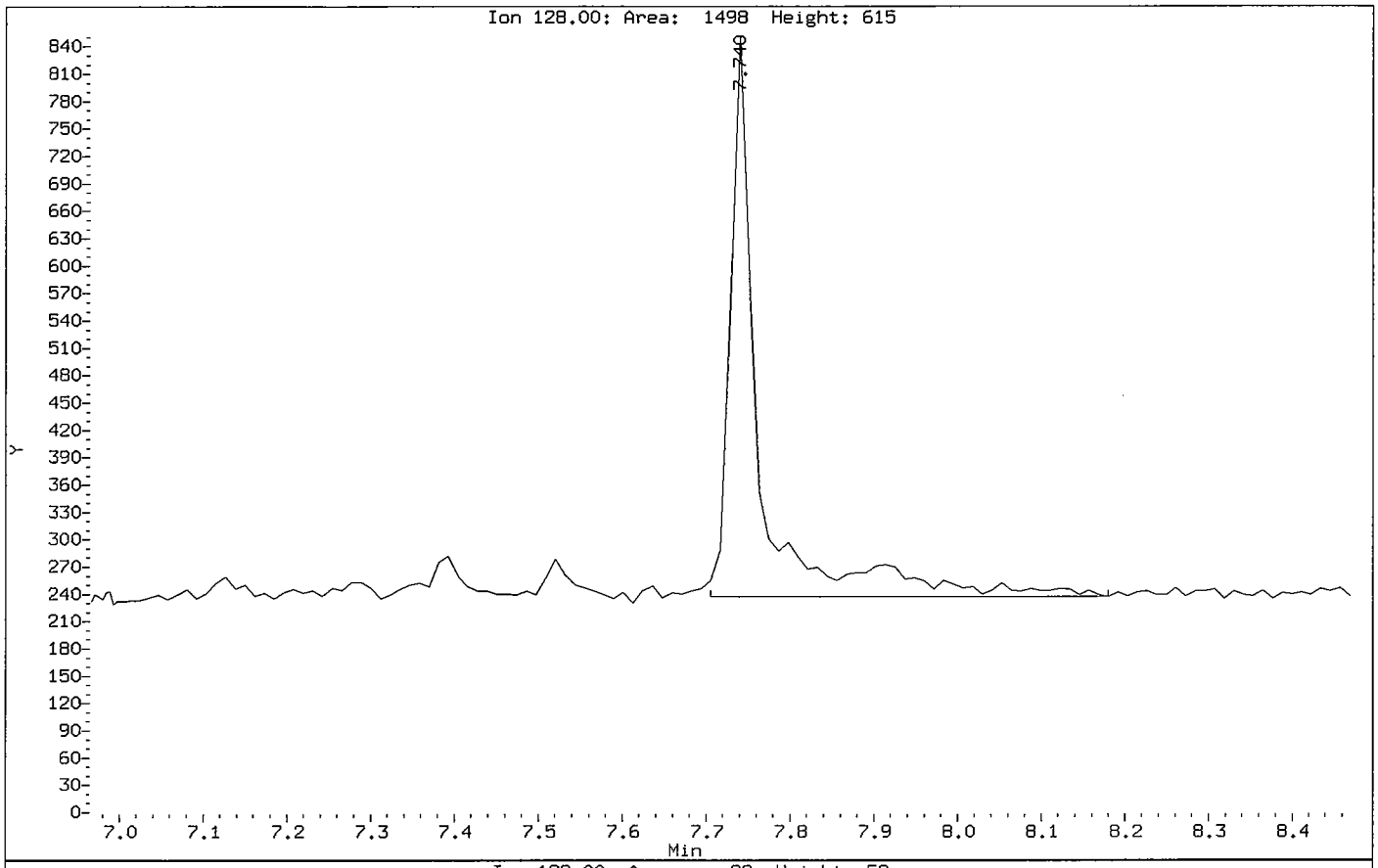
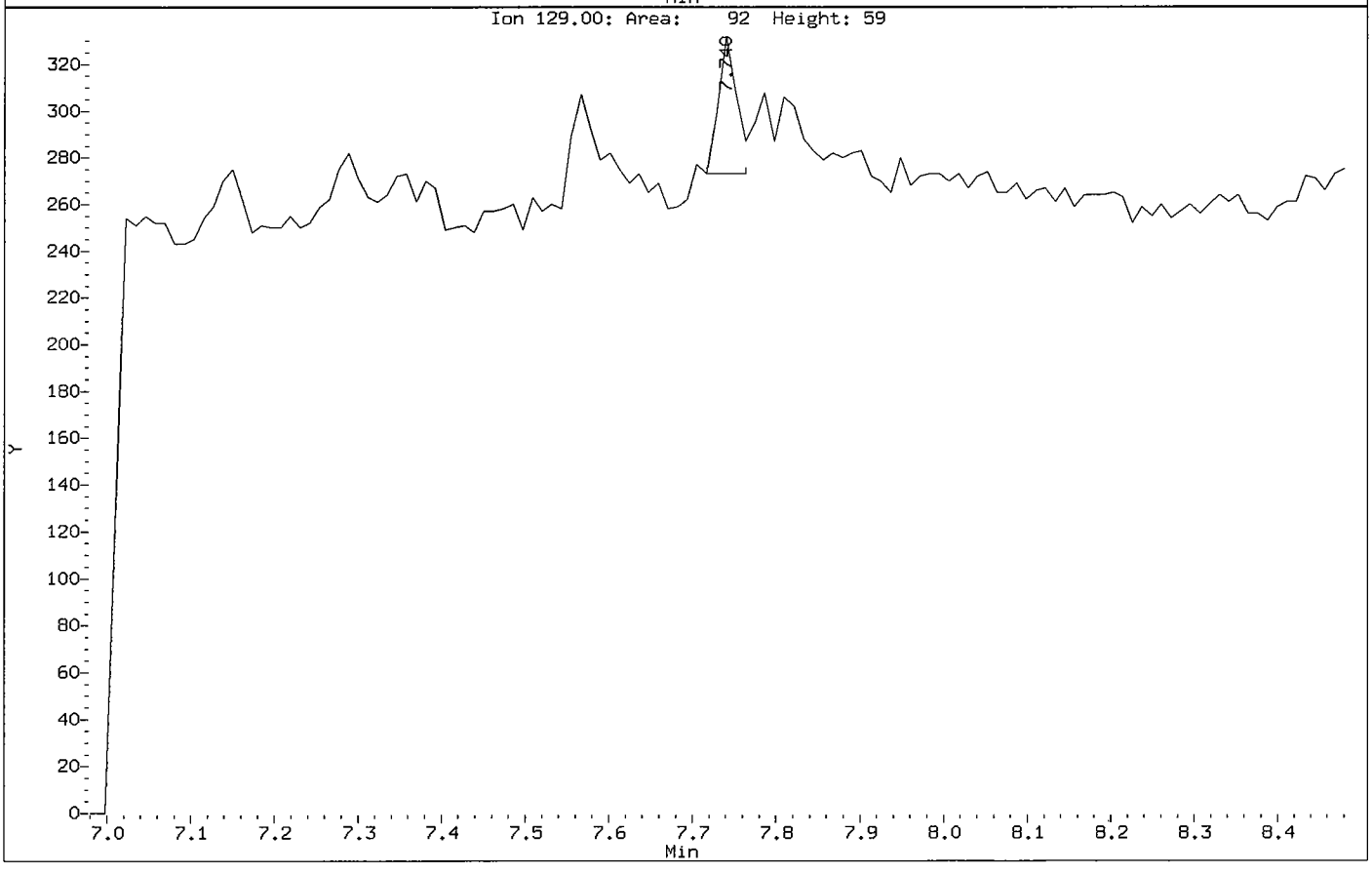
Client ID: SS61D-0-1
Instrument ID: 5972hp66.i
Injection Date and Time: 24-JUN-2010 22:07
Retention Time: 7.74
Operator ID: MEW

Data File: /chem/5972hp66.i/DT100624A66.b/1005133-08A66.d
Injection Date: 24-JUN-2010 22:07
Instrument: 5972hp66.i
Client Sample ID: SS61D-0-1

Compound: Naphthalene
CAS Number: 91-20-3





Data File: /chem/5972hp66.i/DT100624A66.b/1005133-08A66.d

Date : 24-JUN-2010 22:07

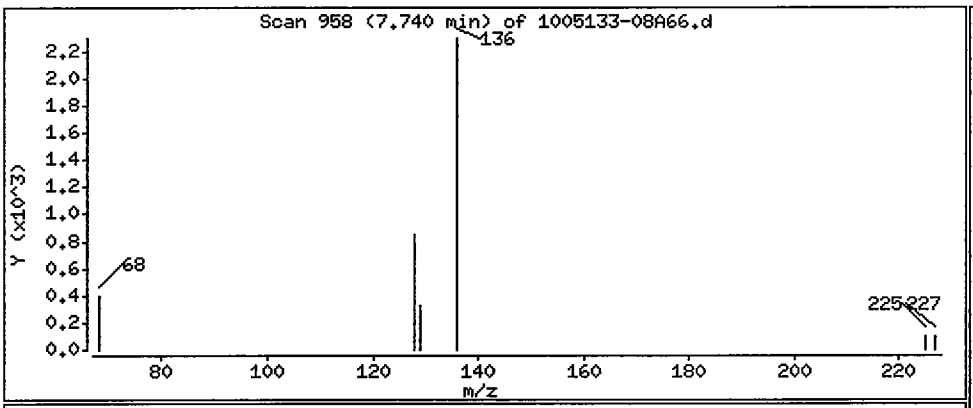
Client ID: SS61D-0-1 Instrument: 5972hp66.i

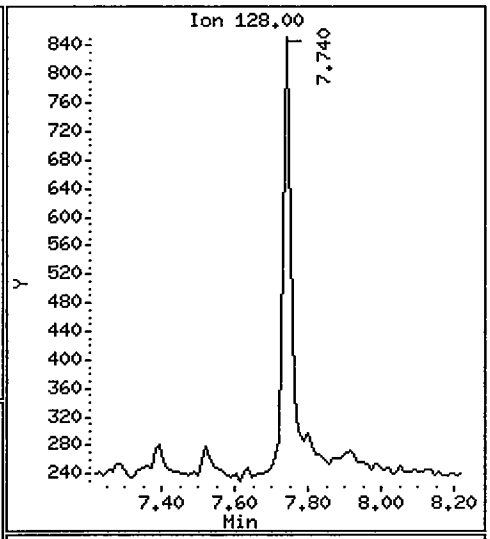
Sample Info: 1005133-08:MEW

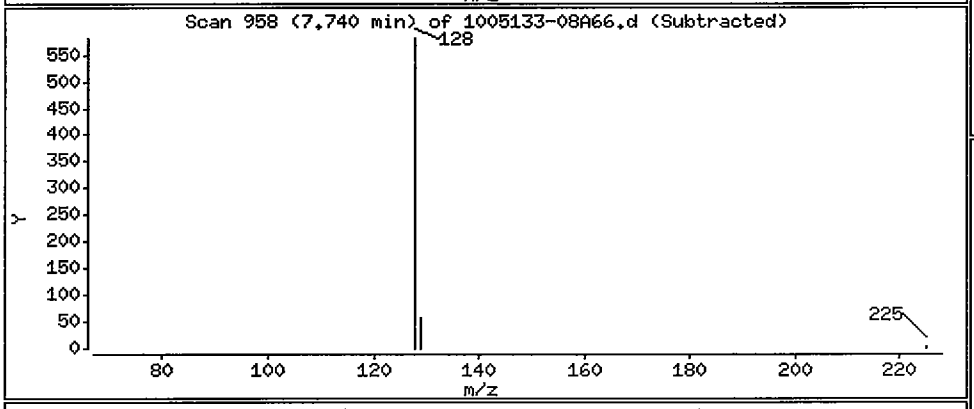
Volume Injected (uL): 2.0 Operator: MEW

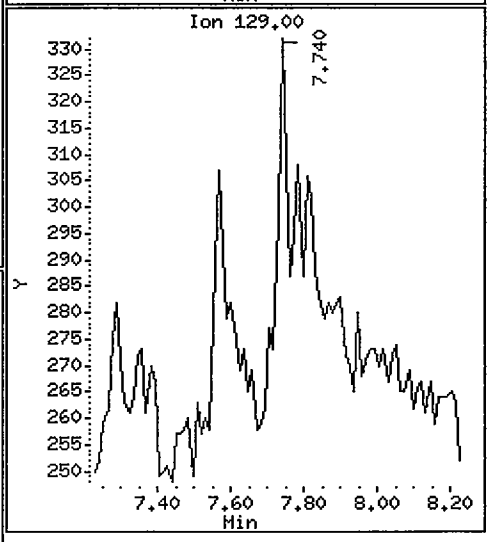
Column phase: Rtx-5MS Column diameter: 0.32

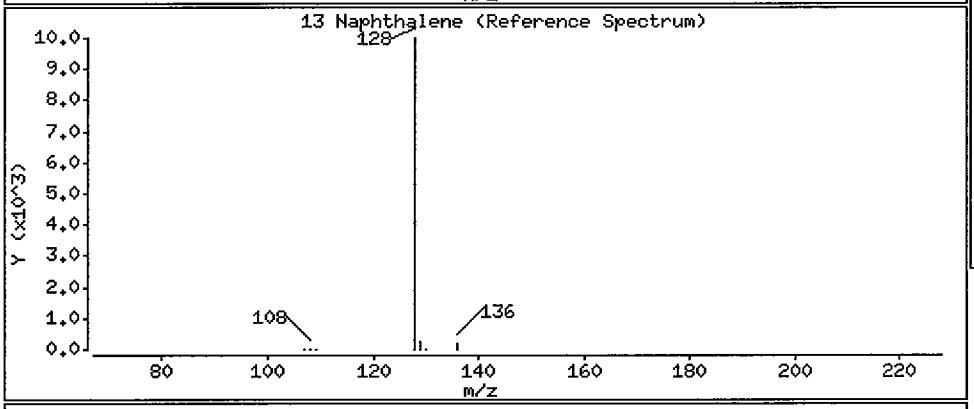
13 Naphthalene Concentration: 0.80 ug/Kg

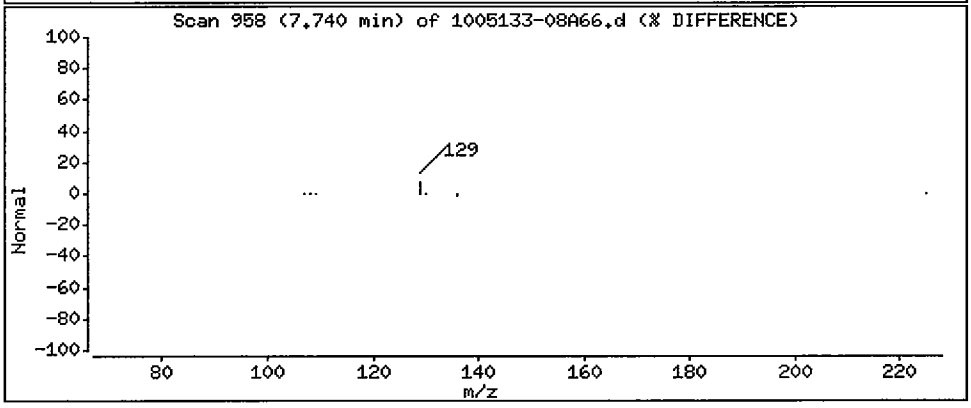












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SS63-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/18/10

Lab Sample ID: 1005133-05
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005133-05C66
Analyst: 2743

% Moisture: 6 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK1

Date Extracted: 05/24/10
Date Analyzed: 06/02/10
Dilution Factor: 1.0

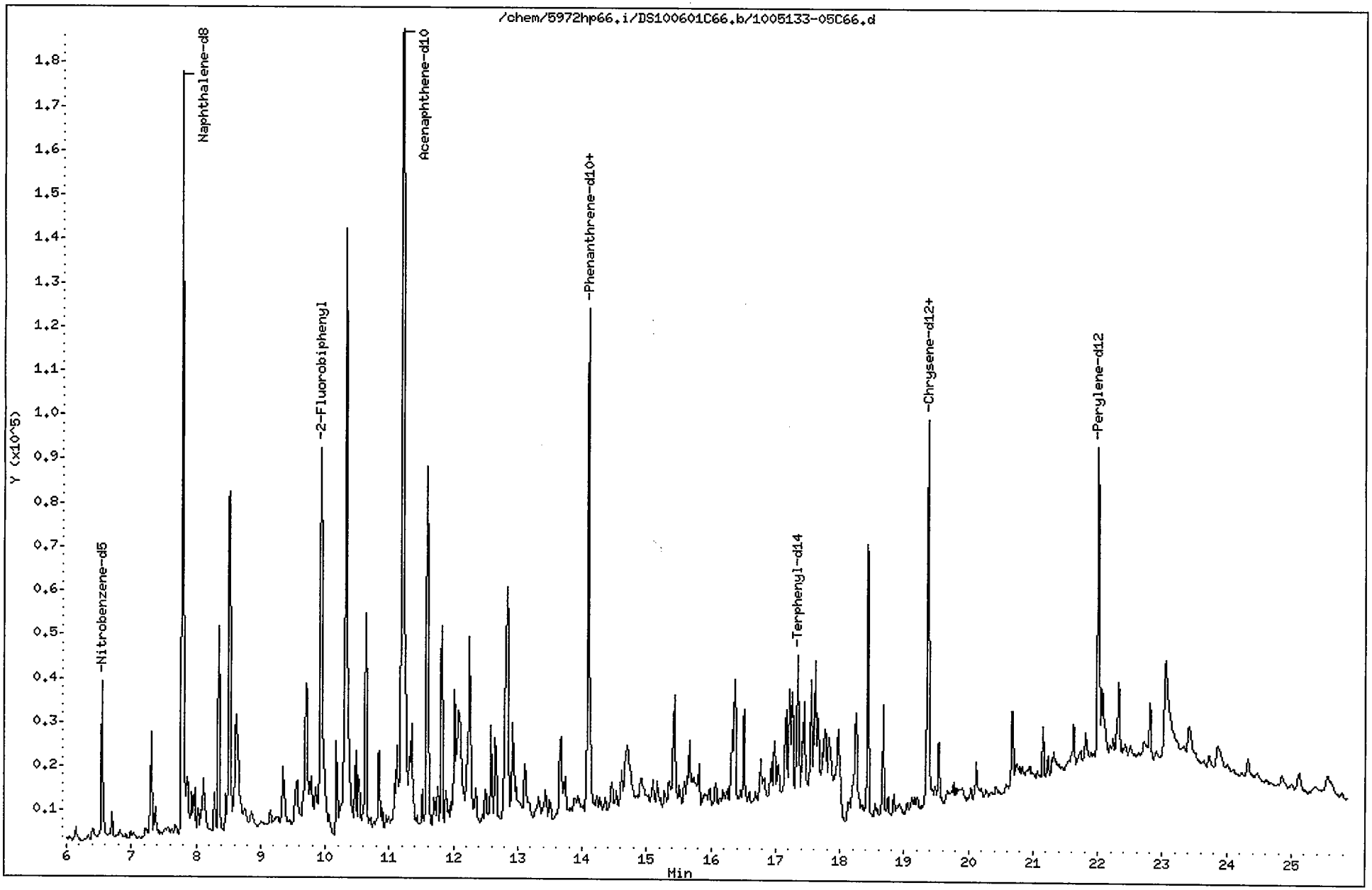
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.76	8.8	0.91	J
91-57-6	2-Methylnaphthalene	0.73	8.8	ND	U
208-96-8	Acenaphthylene	0.57	8.8	ND	U
83-32-9	Acenaphthene	0.64	8.8	ND	U
86-73-7	Fluorene	0.48	8.8	ND	U
85-01-8	Phenanthrene	1.4	8.8	2.0	J
120-12-7	Anthracene	0.46	8.8	ND	U
206-44-0	Fluoranthene	1.4	8.8	1.6	J
129-00-0	Pyrene	0.60	8.8	0.99	J
56-55-3	Benzo(a)anthracene	0.60	8.8	0.69	J
218-01-9	Chrysene	0.67	8.8	1.0	J
205-99-2	Benzo(b)fluoranthene	0.60	8.8	0.96	J
207-08-9	Benzo(k)fluoranthene	0.46	8.8	0.70	J
50-32-8	Benzo(a)pyrene	0.41	8.8	0.43	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.39	8.8	0.48	J
53-70-3	Dibenzo(a,h)anthracene	0.35	8.8	ND	U
191-24-2	Benzo(g,h,i)perylene	0.41	8.8	0.46	J

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp66.i/DS100601C66.b/1005133-05C66.d
Date : 02-JUN-2010 11:38
Client ID: SS63-0-1
Sample Info: 1005133-05;2743
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: 2743
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100601C66.b/1005133-05C66.d
Report Date: 07-Jun-2010 11:48

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100601C66.b/1005133-05C66.d
Lab Smp Id: 1005133-05 Client Smp ID: SS63-0-1
Inj Date : 02-JUN-2010 11:38
Operator : 2743 Inst ID: 5972hp66.i
Smp Info : 1005133-05:2743
Misc Info : SS63-0-1
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100601C66.b/SIM_8270Cv2DOD.m
Meth Date : 07-Jun-2010 10:54 mead Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	6.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
*	1 1,4-Dichlorobenzene-d4	152	5.544	5.534	(1.000)	69168	2.00000	(a)	
*	2 Naphthalene-d8	136	7.786	7.789	(1.000)	247983	2.00000	(a)	
*	3 Acenaphthene-d10	164	11.219	11.205	(1.000)	100627	2.00000	(aM)	2
*	4 Phenanthrene-d10	188	14.100	14.100	(1.000)	181907	2.00000	(a)	
*	5 Chrysene-d12	240	19.371	19.354	(1.000)	144635	2.00000	(a)	
*	6 Perylene-d12	264	22.004	21.994	(1.000)	111336	2.00000	(a)	
$	9 Nitrobenzene-d5	82	6.547	6.537	(0.841)	39063	0.70791	13	
$	10 2-Fluorobiphenyl	172	9.937	9.940	(1.000)	65155	0.62049	11	
$	12 Terphenyl-d14	244	17.347	17.346	(0.895)	42889	0.81612	14	
	13 Naphthalene	128	7.825	7.815	(1.005)	7862	0.05126	0.91	(aH)
	15 2-Methylnaphthalene	141	Compound Not Detected.						
	17 Acenaphthylene	152	Compound Not Detected.						
	18 Acenaphthene	154	Compound Not Detected.						

Rev 6/18/10

Data File: /chem/5972hp66.i/DS100601C66.b/1005133-05C66.d
Report Date: 07-Jun-2010 11:48

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	14.139	14.139	(1.003)	12754	0.11244	2.0(a)
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	16.499	16.499	(0.852)	8486	0.08848	1.6(a)
28 Pyrene	202	16.930	16.929	(0.874)	5824	0.05576	0.99(a)
29 Benzo(a)anthracene	228	19.336	19.319	(0.998)	3048	0.03877	0.69(a)
30 Chrysene	228	19.415	19.397	(1.002)	5036	0.05914	1.0(a)
31 Benzo(b)fluoranthene	252	21.351	21.330	(0.970)	3964	0.05399	0.96(aM)
32 Benzo(k)fluoranthene	252	21.383	21.374	(0.972)	3122	0.03951	0.70(aM)
33 Benzo(a)pyrene	252	21.895	21.885	(0.995)	1605	0.02426	0.43(a)
34 Indeno(1,2,3-cd)pyrene	276	24.093	24.073	(1.095)	1585	0.02715	0.48(aM)
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	24.692	24.661	(1.122)	1690	0.02612	0.46(aM)

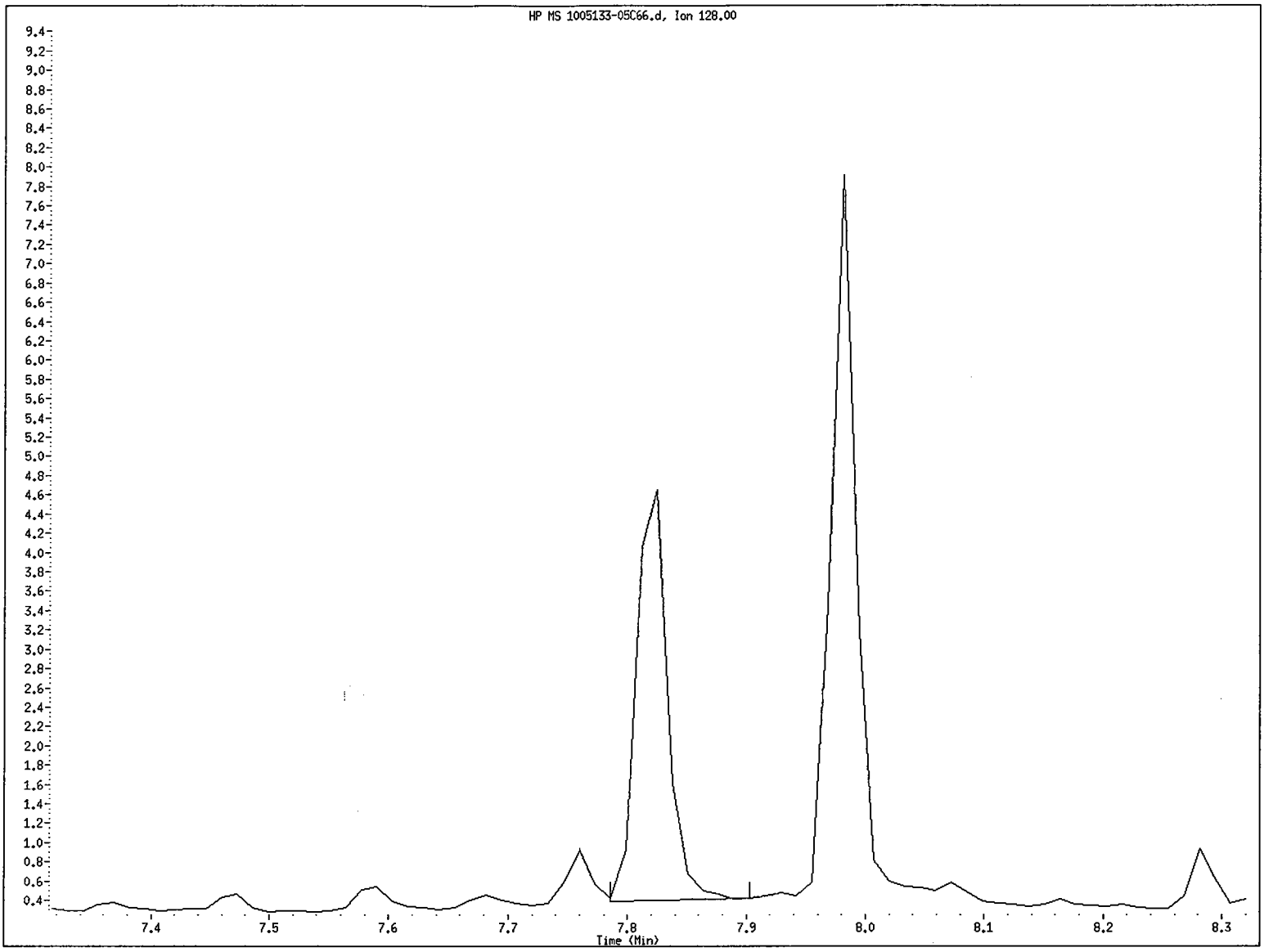
2 2 2 X2

AW 6/8/10

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Naphthalene CAS Number 91-20-3 Area = 7862 User selected hit



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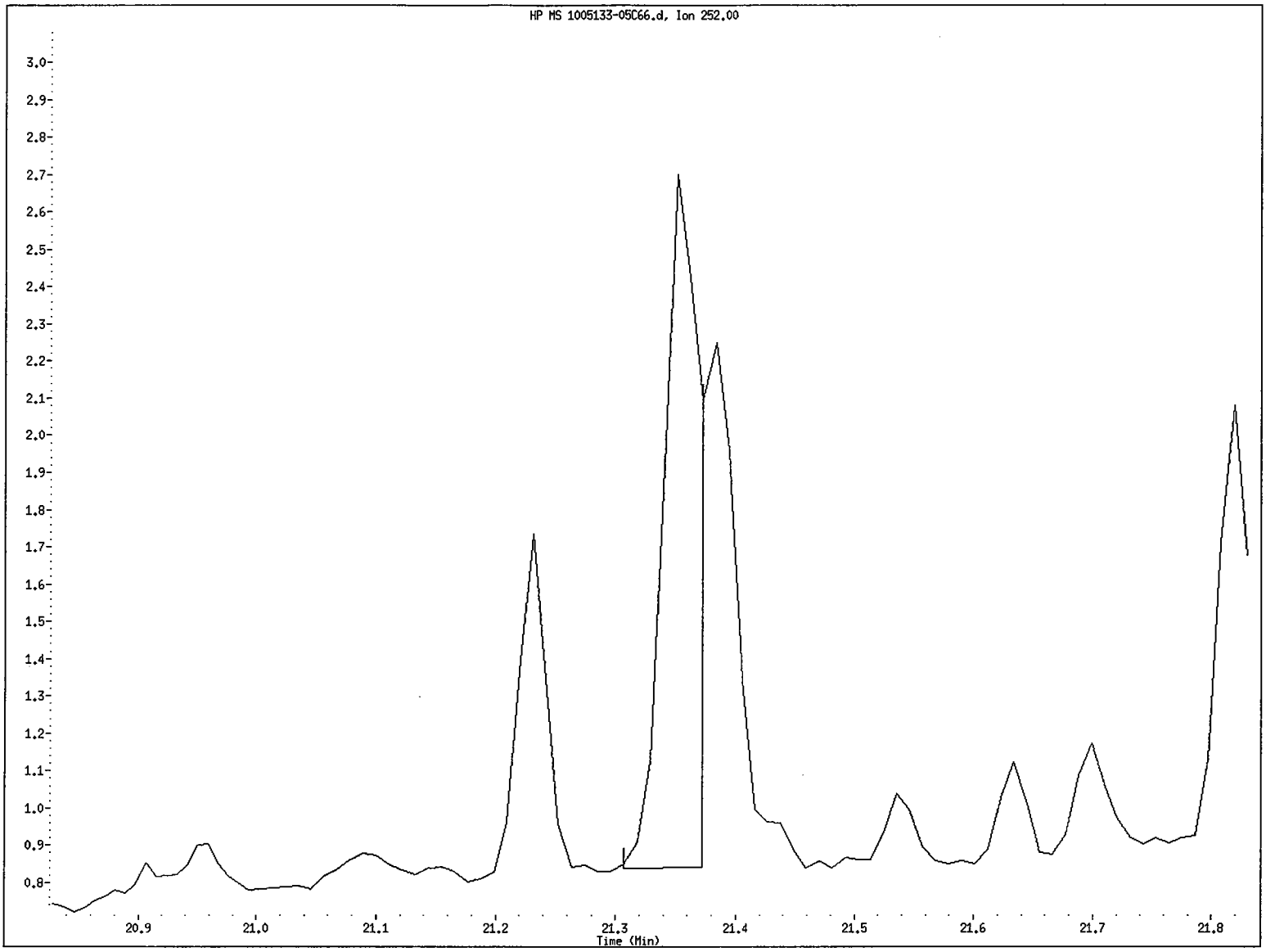
Client ID: SS63-0-1
Instrument ID: 5972hp66.i
Injection Date and Time: 02-JUN-2010 11:38
Retention Time: 7.82
Operator ID: 2743

Benzo(b)fluoranthene CAS Number 205-99-2 Area = 3964 Manually integrated



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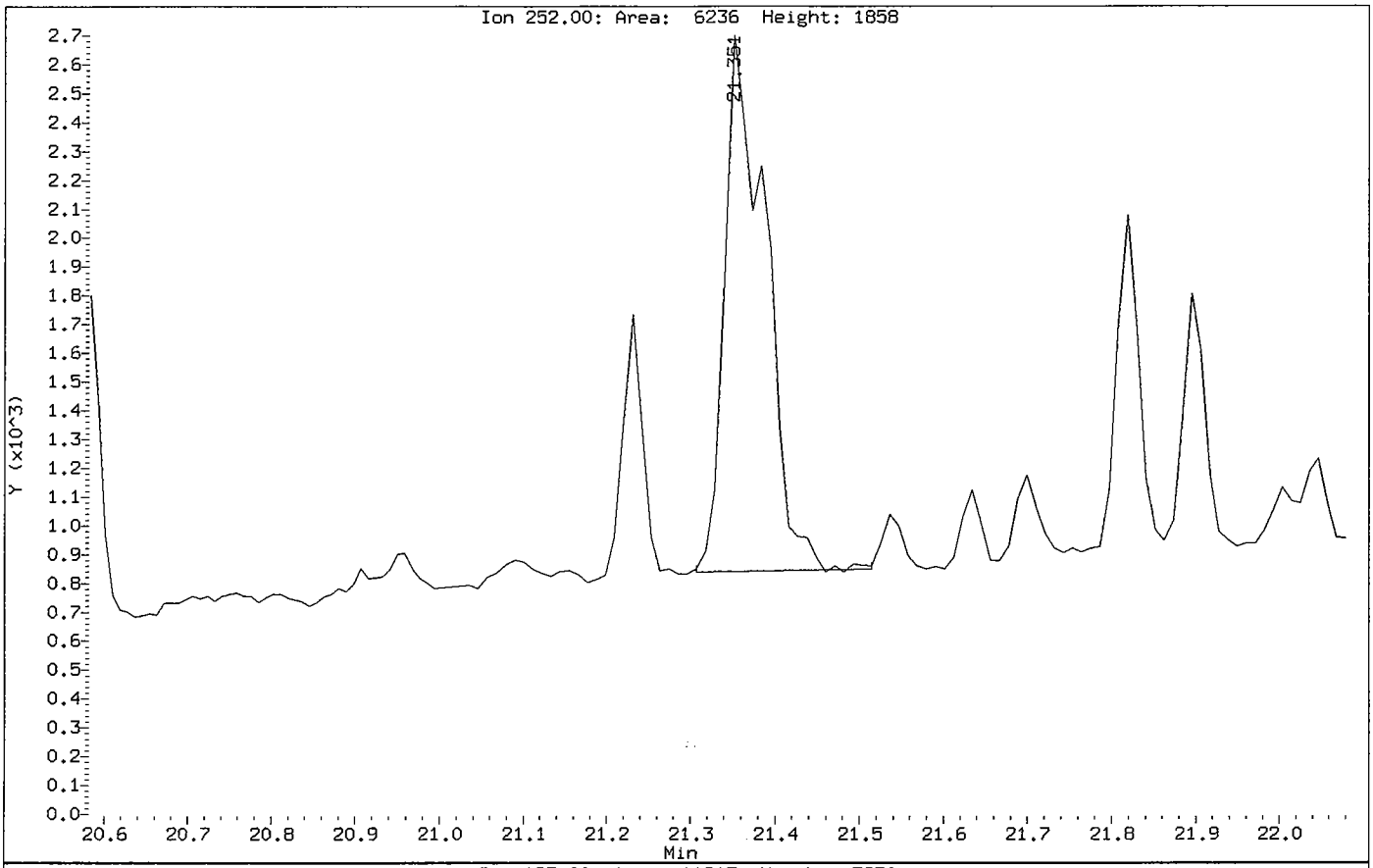
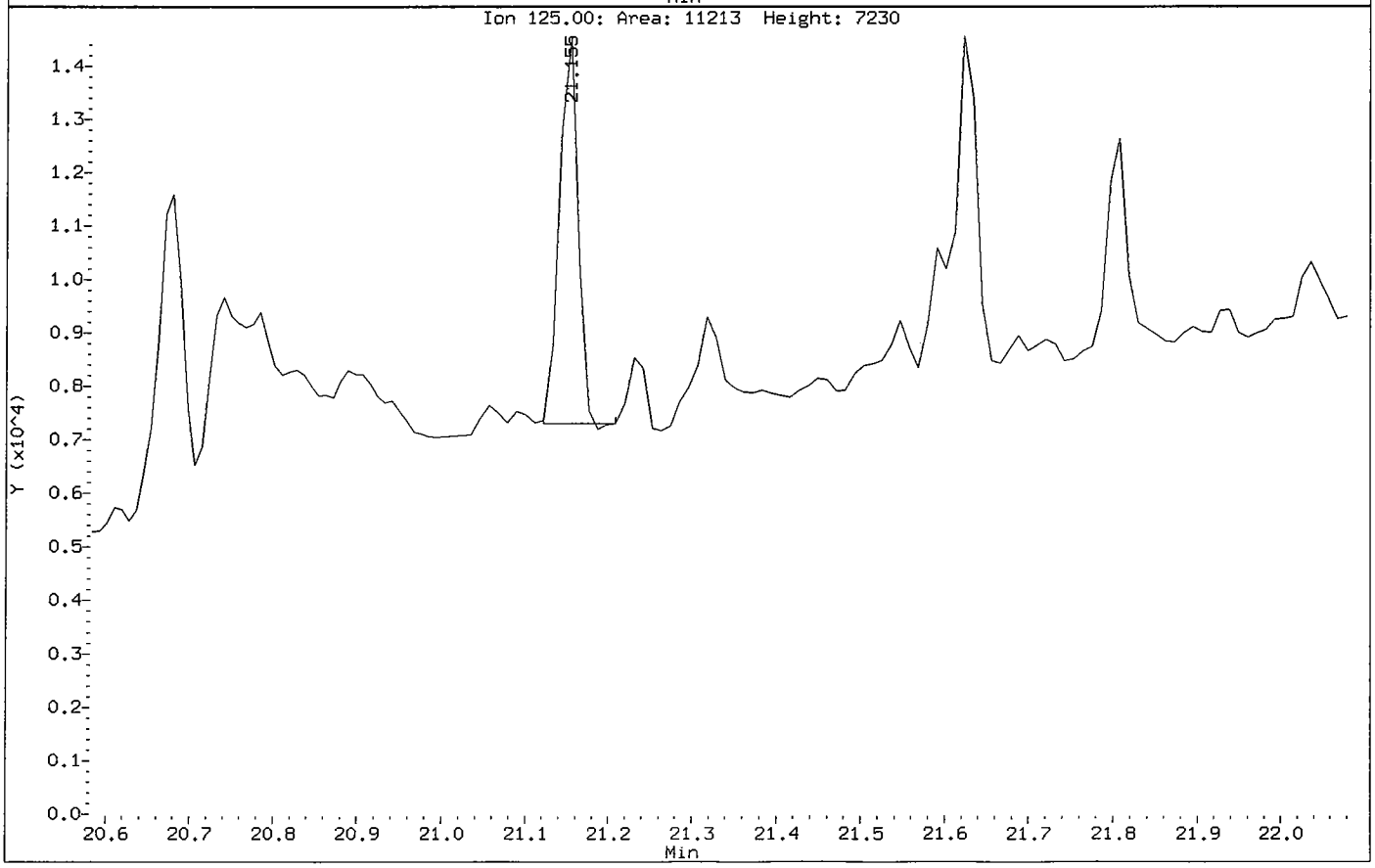
Instrument ID: 5972hp66.i
Injection Date and Time: 02-JUN-2010 11:38
Retention Time: 21.35
Operator ID: 2743

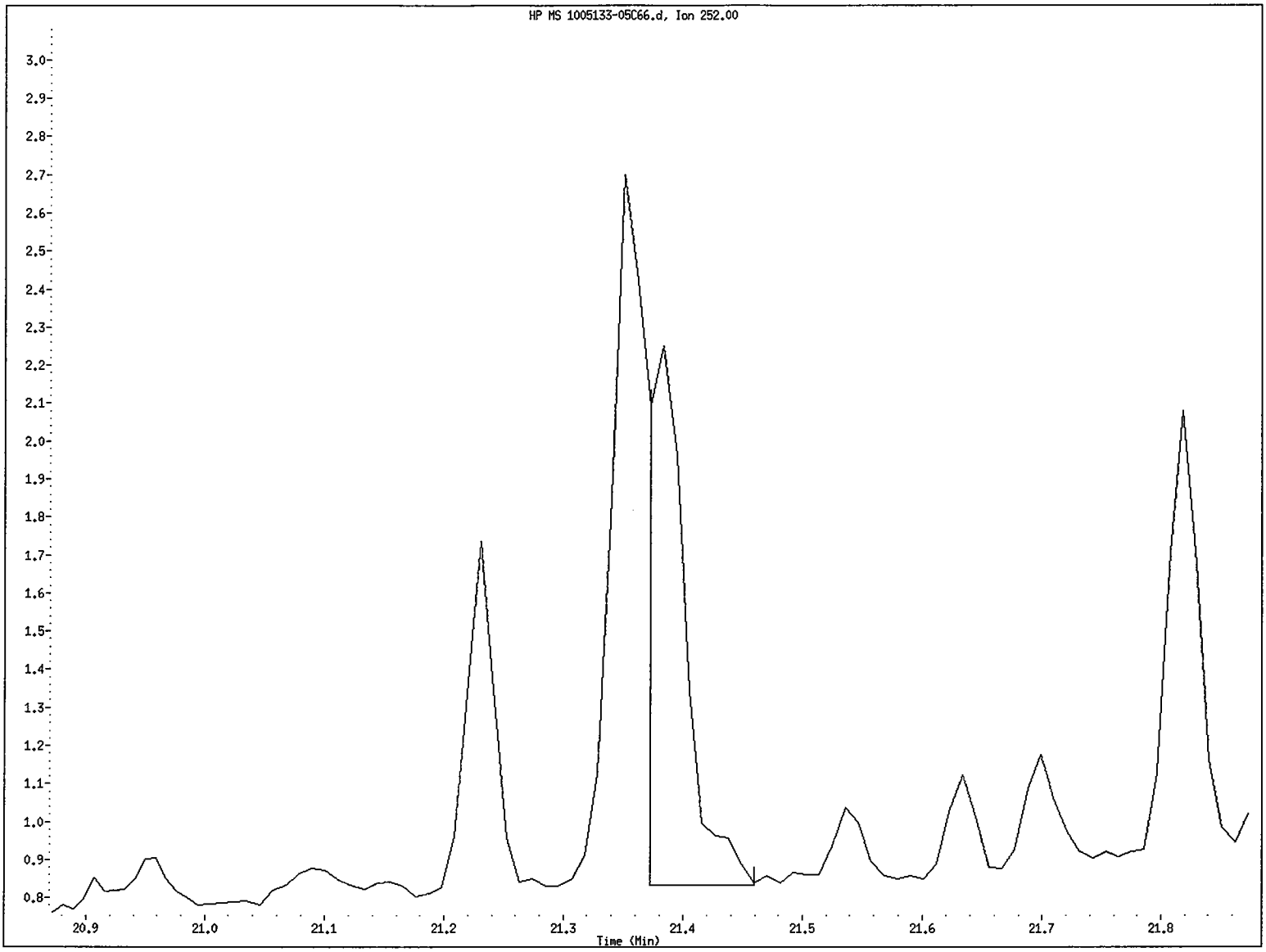
Data File: /chem/5972hp66.i/DS100601C66.b/1005133-05C66.d
Injection Date: 02-JUN-2010 11:38
Instrument: 5972hp66.i
Client Sample ID: SS63-0-1

Compound: Benzo(b)fluoranthene
CAS Number: 205-99-2





Benzo(k)fluoranthene CAS Number 207-08-9 Area = 3122 Manually integrated



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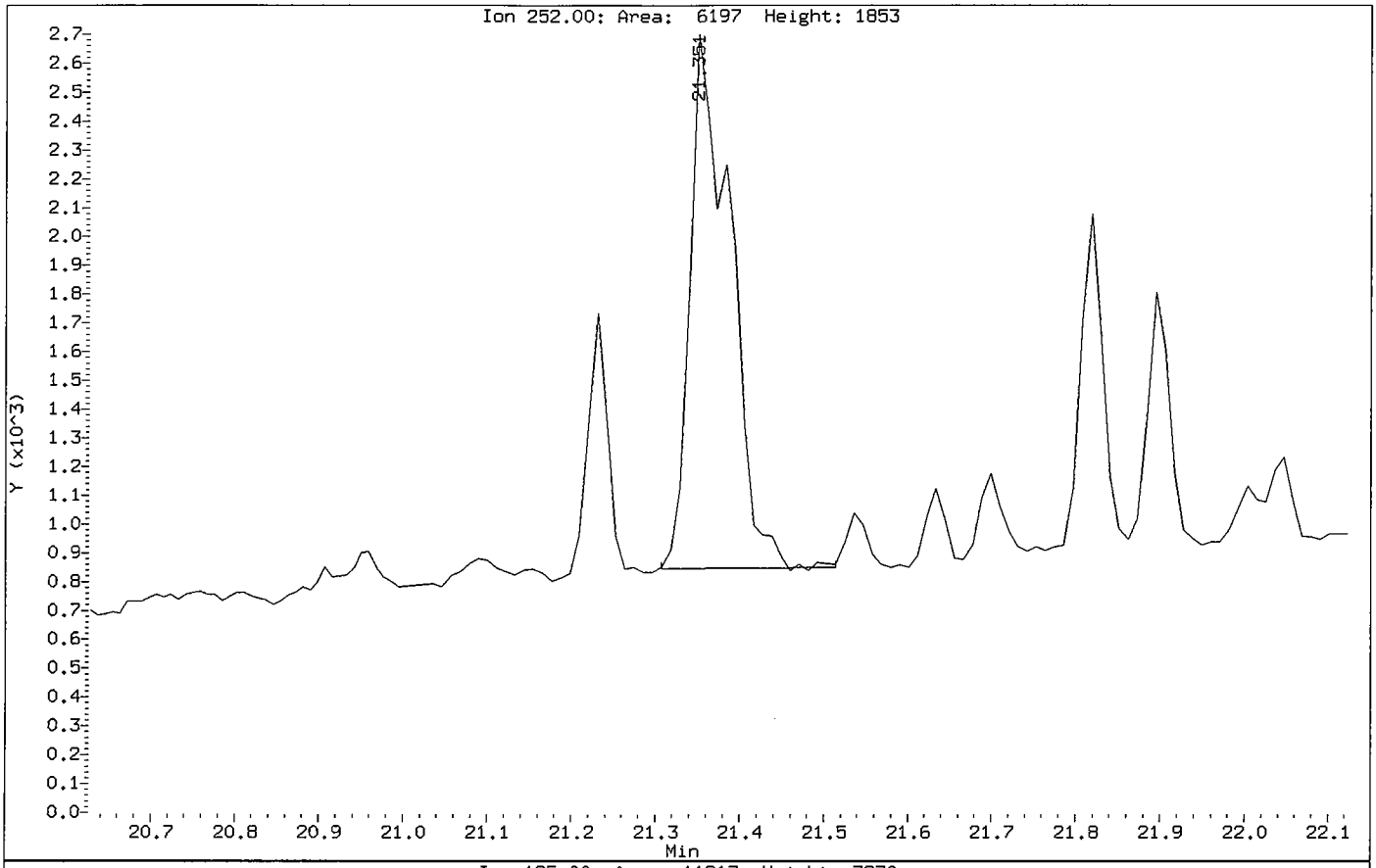
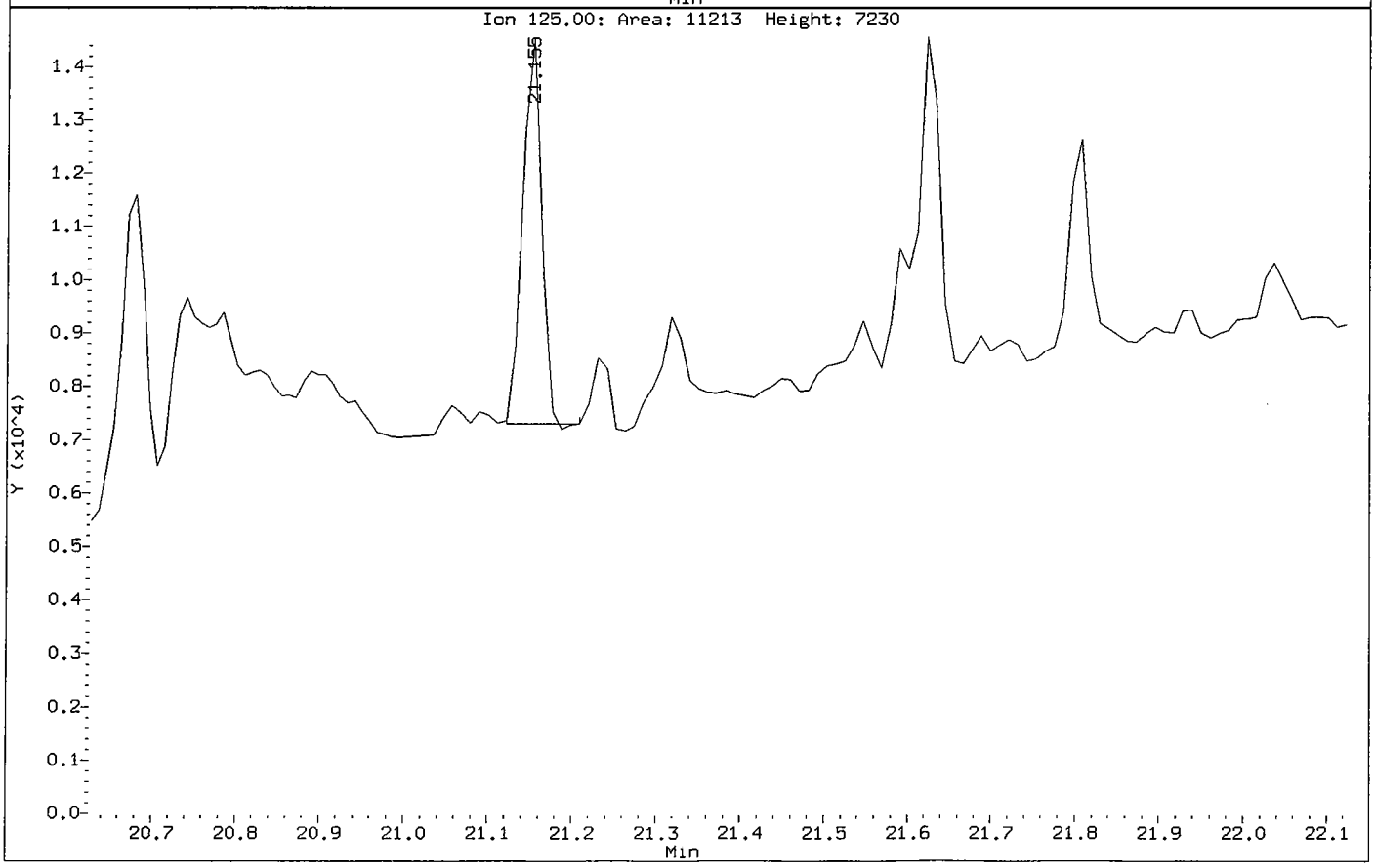
Instrument ID: 5972hp66.i
Injection Date and Time: 02-JUN-2010 11:38
Retention Time: 21.38
Operator ID: 2743

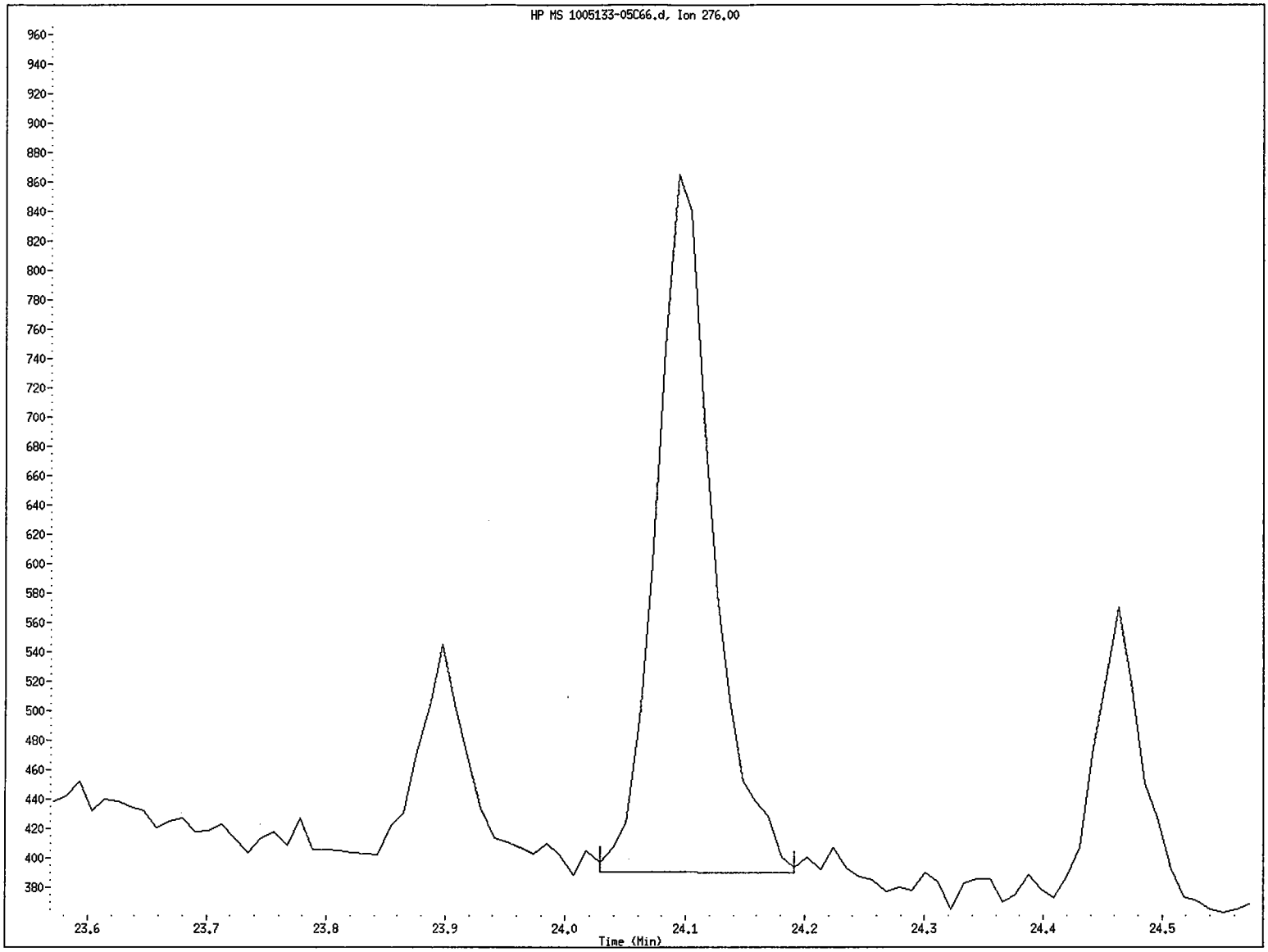
Data File: /chem/5972hp66.i/DS100601C66.b/1005133-05C66.d
Injection Date: 02-JUN-2010 11:38
Instrument: 5972hp66.i
Client Sample ID: SS63-0-1

Compound: Benzo(k)fluoranthene
CAS Number: 207-08-9





Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 1585 Manually integrated



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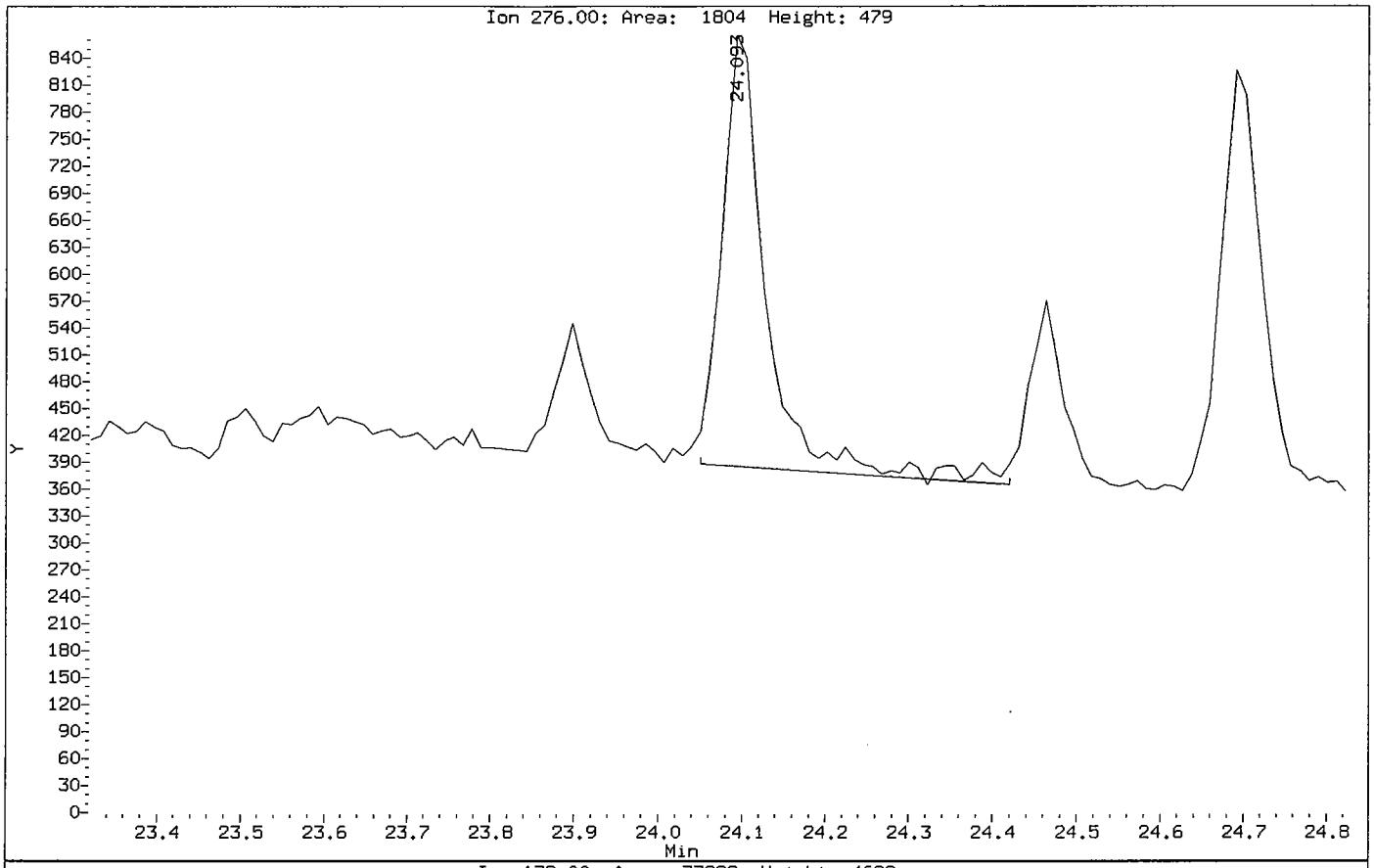
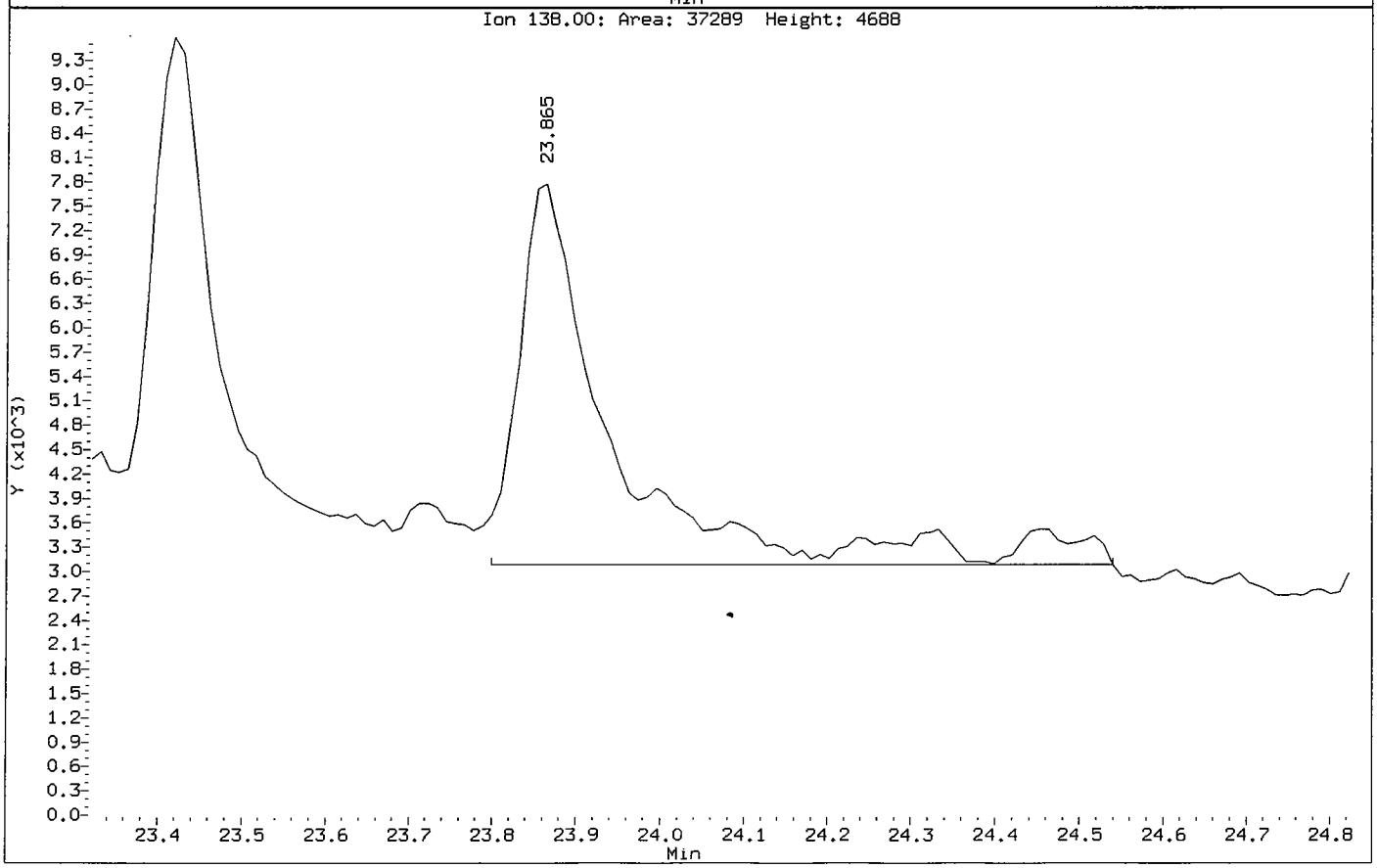
Client ID: SS63-0-1
Instrument ID: 5972hp66.i
Injection Date and Time: 02-JUN-2010 11:38
Retention Time: 24.09
Operator ID: 2743

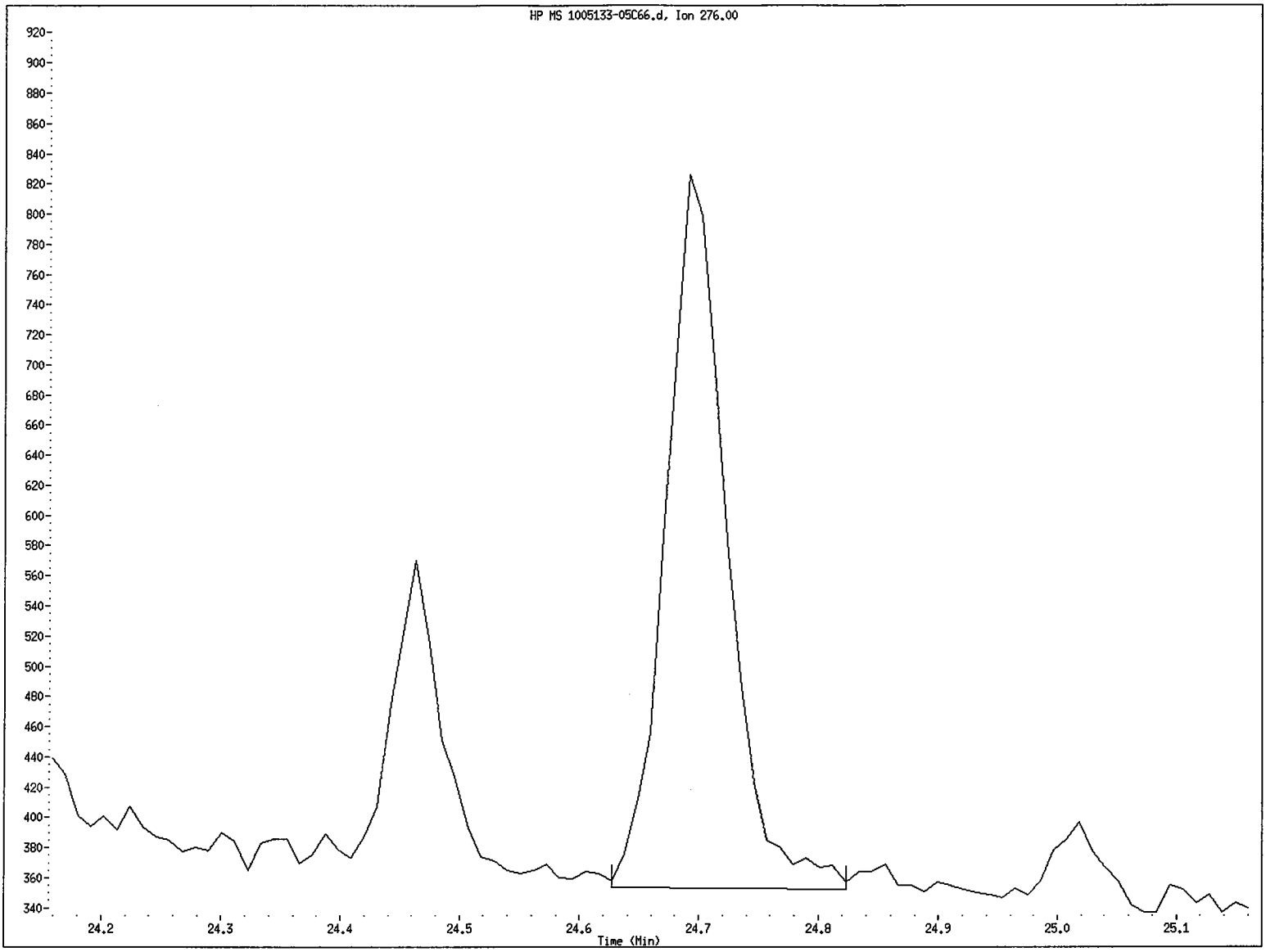
Data File: /chem/5972hp66.i/DS100601C66.b/1005133-05C66.d
Injection Date: 02-JUN-2010 11:38
Instrument: 5972hp66.i
Client Sample ID: SS63-0-1

Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





Benzo(g,h,i)perylene CAS Number 191-24-2 Area = 1690 Manually integrated



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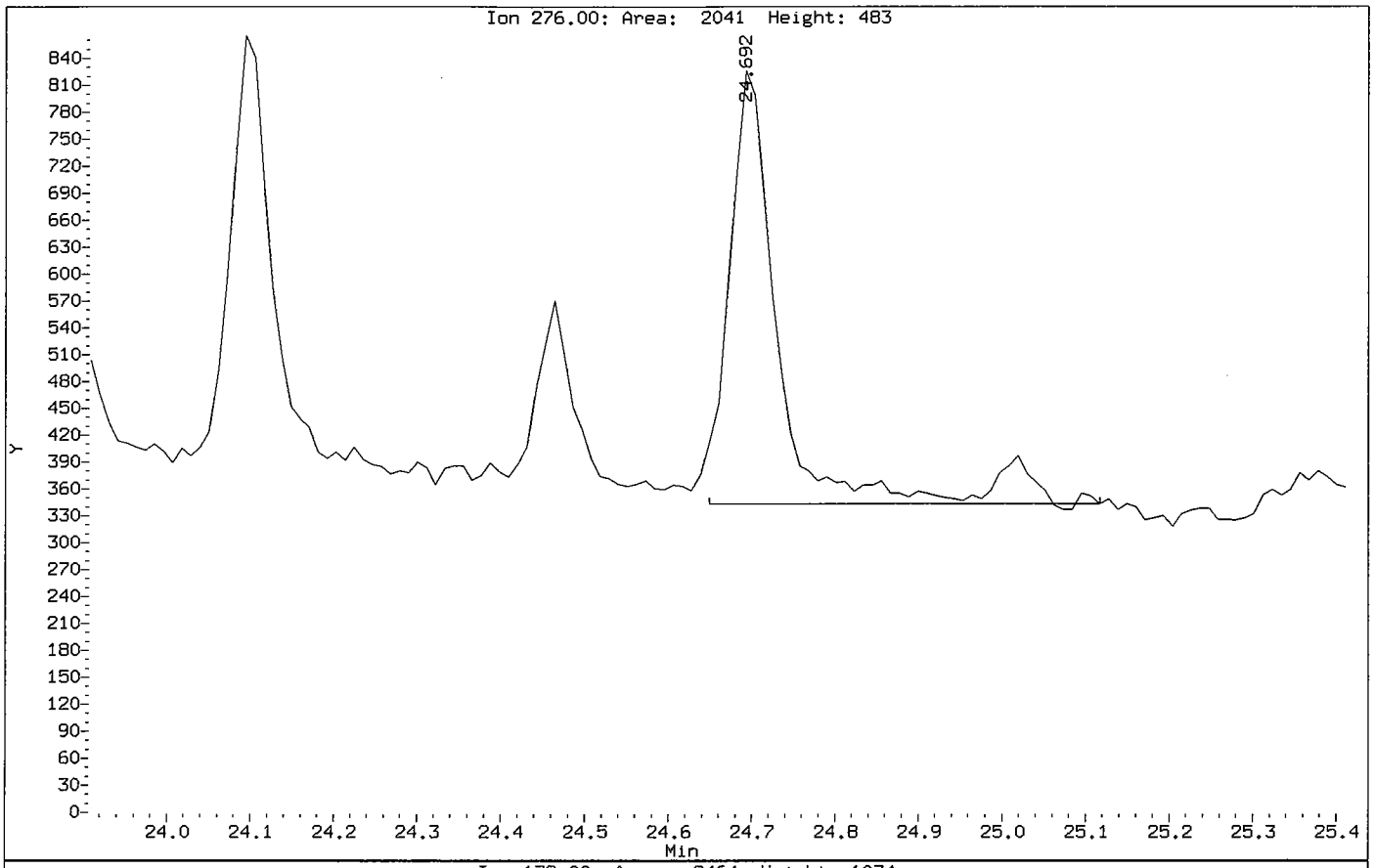
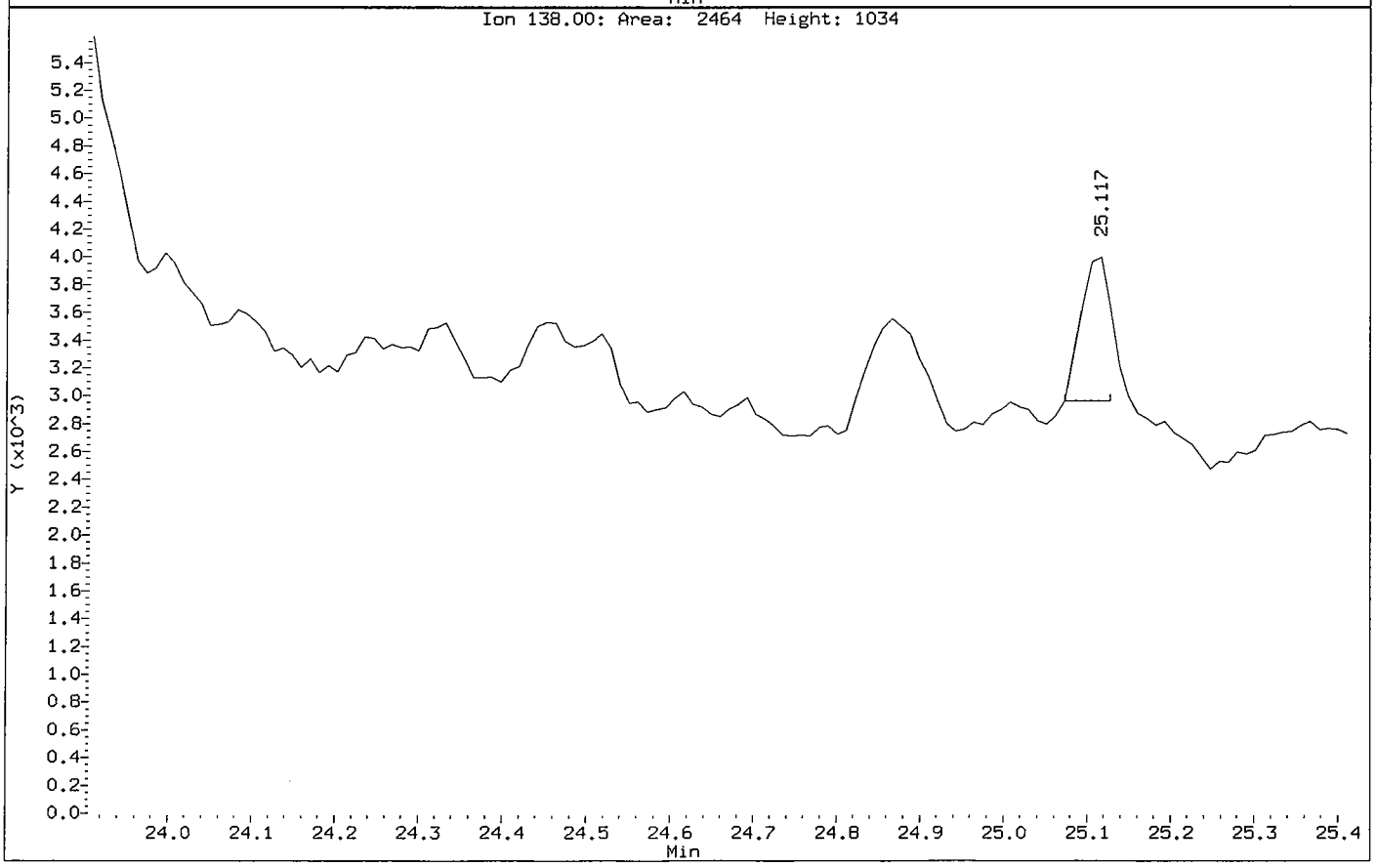
Client ID: SS63-0-1
Instrument ID: 5972hp66.i
Injection Date and Time: 02-JUN-2010 11:38
Retention Time: 24.69
Operator ID: 2743

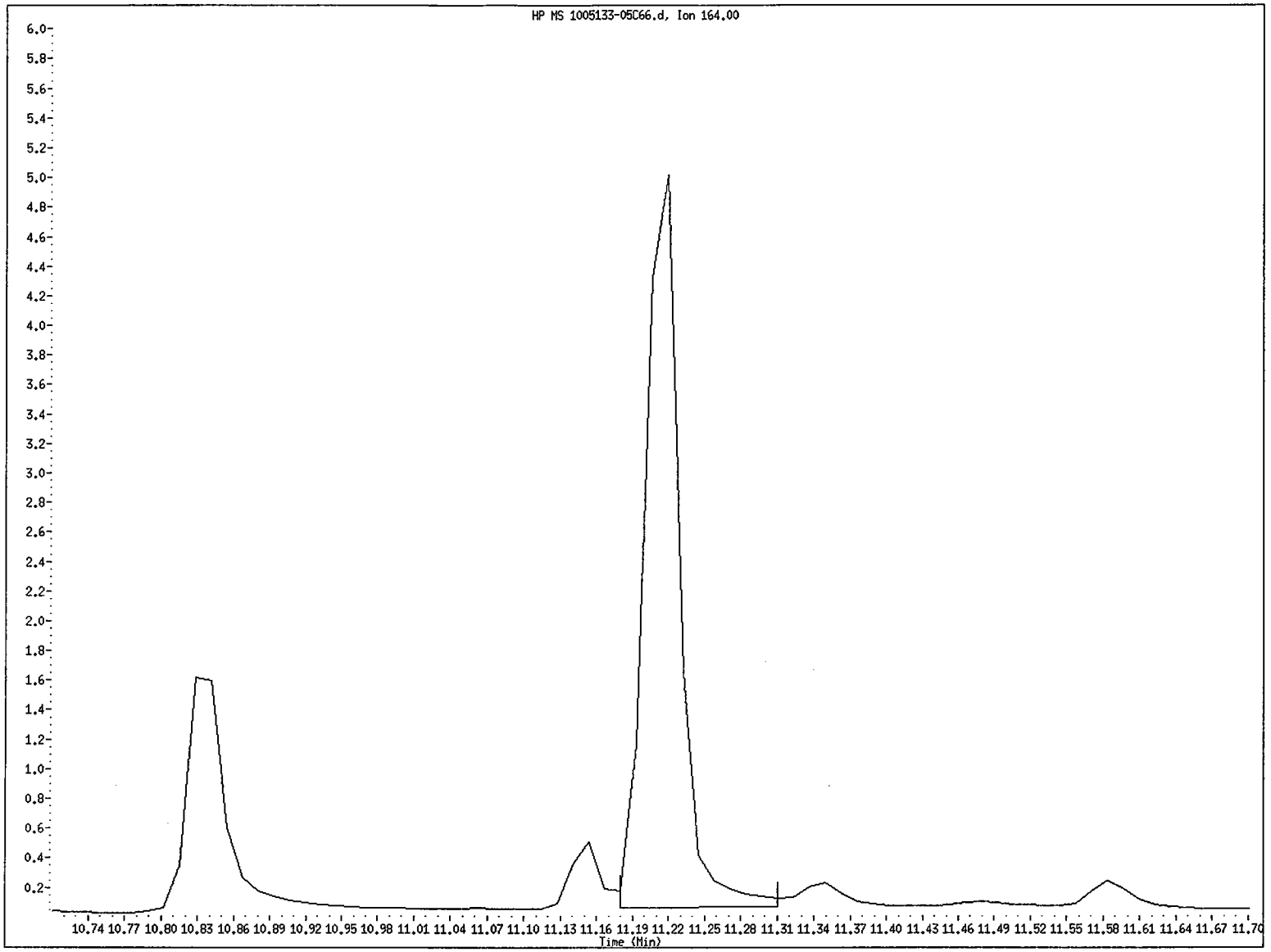
Data File: /chem/5972hp66.i/DS100601C66.b/1005133-05C66.d
Injection Date: 02-JUN-2010 11:38
Instrument: 5972hp66.i
Client Sample ID: SS63-0-1

Compound: Benzo(g,h,i)perylene
CAS Number: 191-24-2





Acenaphthene-d10 CAS Number 15067-26-2 Area = 100627 Manually integrated



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Instrument ID: 5972hp66.i
Injection Date and Time: 02-JUN-2010 11:38
Retention Time: 11.22
Operator ID: 2743

Data File: /chem/5972hp66.i/DS100601C66.b/1005133-05C66.d

Date : 02-JUN-2010 11:38

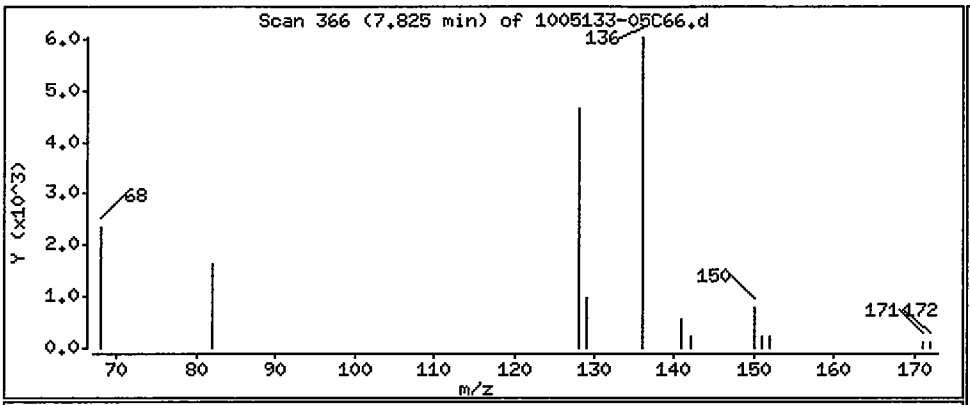
Client ID: SS63-0-1 Instrument: 5972hp66.i

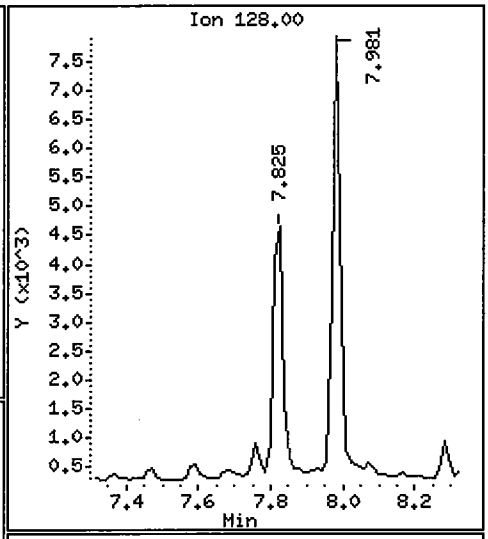
Sample Info: 1005133-05:2743

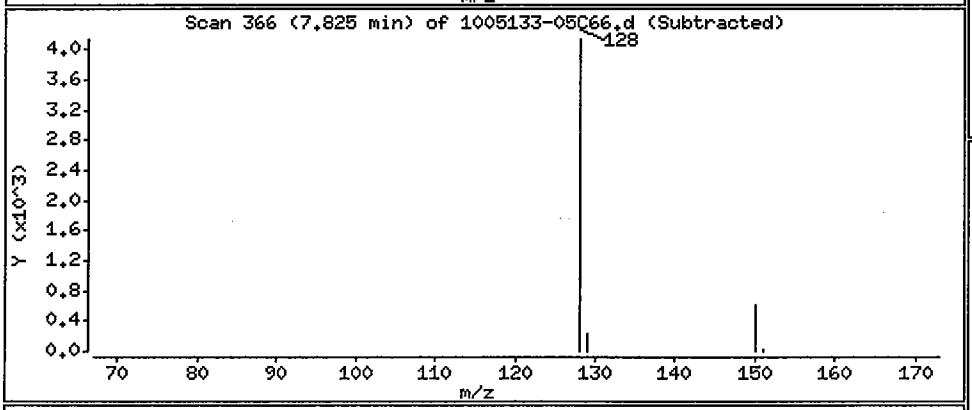
Volume Injected (uL): 2.0 Operator: 2743

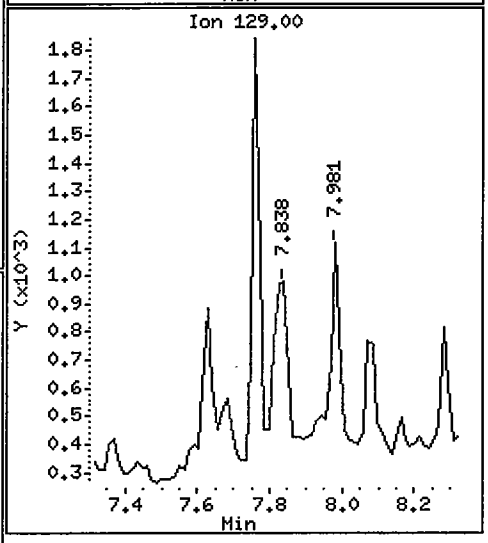
Column phase: Rtx-5MS Column diameter: 0.32

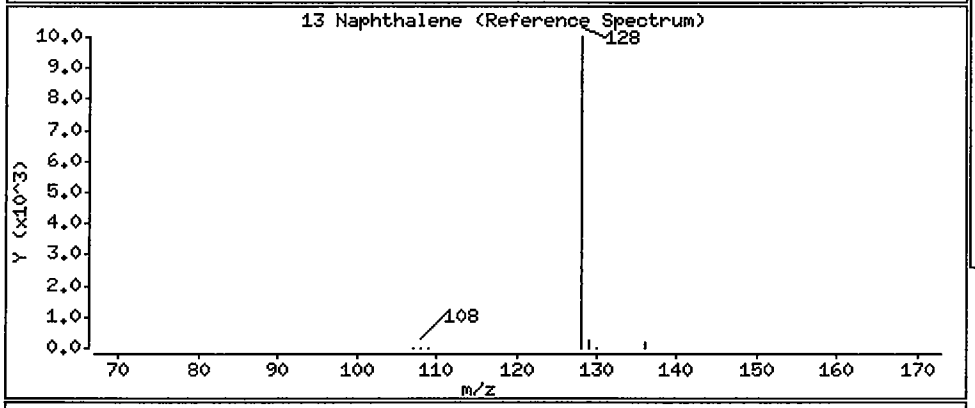
13 Naphthalene Concentration: 0.91 ug/Kg

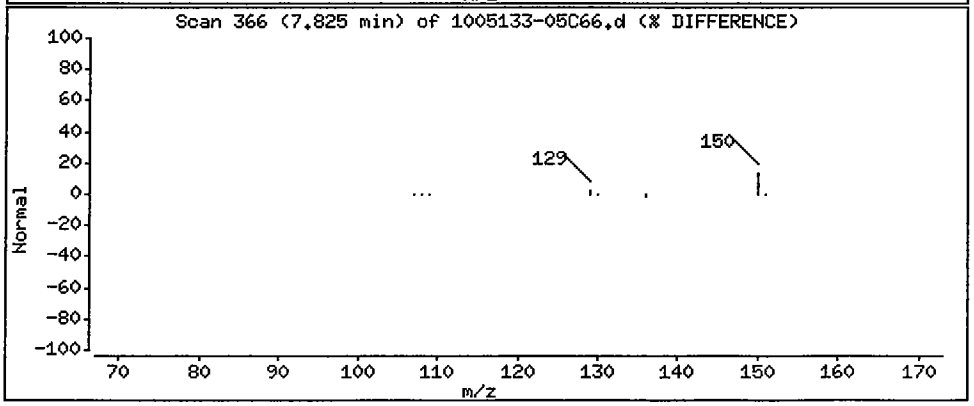












Data File: /chem/5972hp66.i/DS100601C66.b/1005133-05C66.d

Date : 02-JUN-2010 11:38

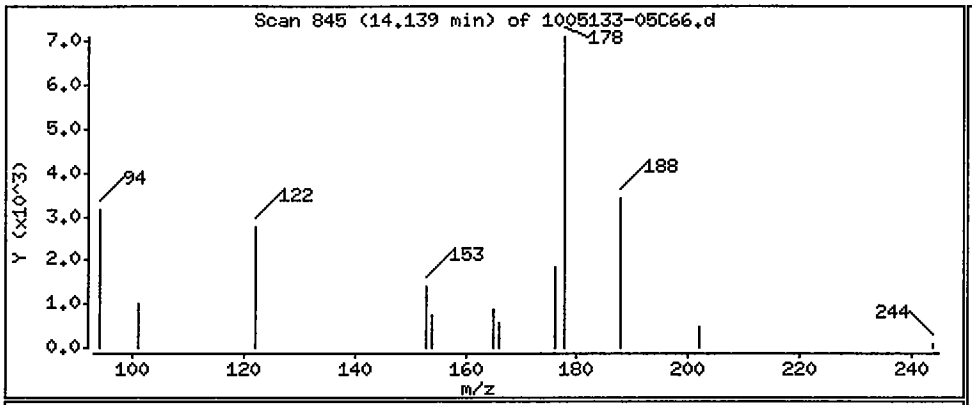
Client ID: SS63-0-1 Instrument: 5972hp66.i

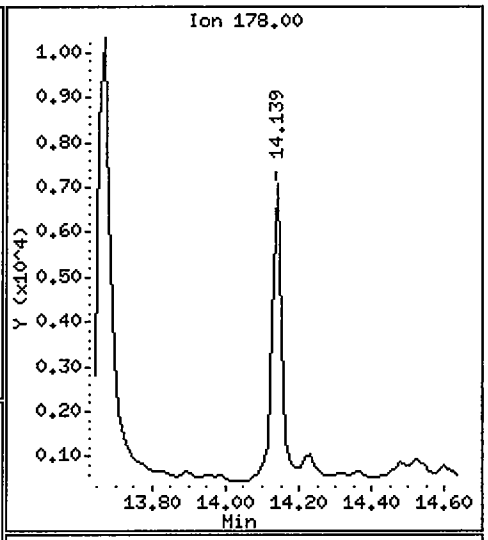
Sample Info: 1005133-05:2743

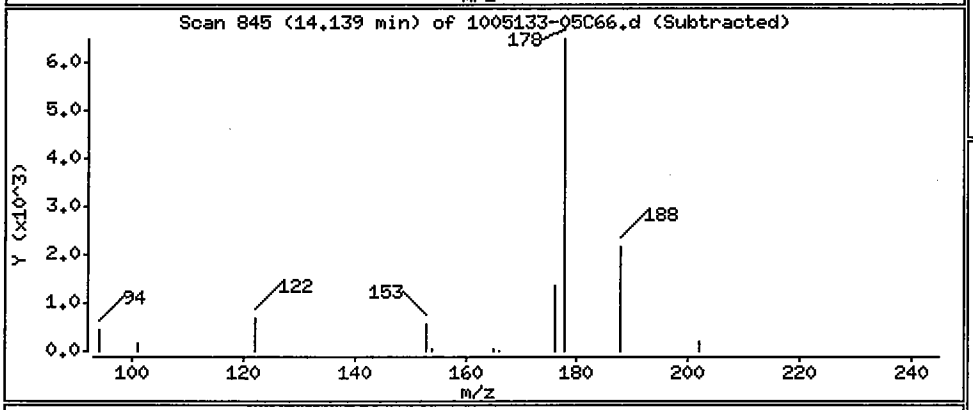
Volume Injected (uL): 2.0 Operator: 2743

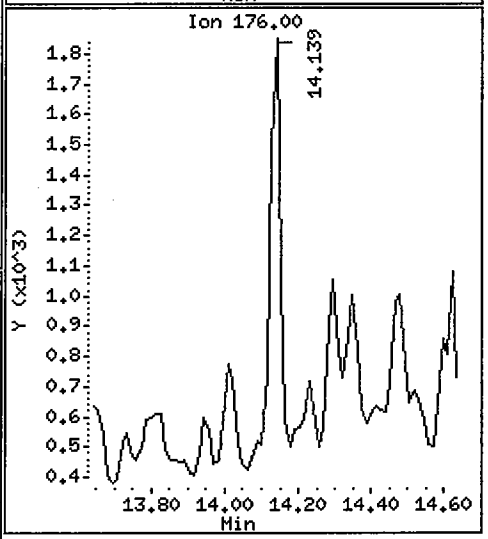
Column phase: Rtx-5MS Column diameter: 0.32

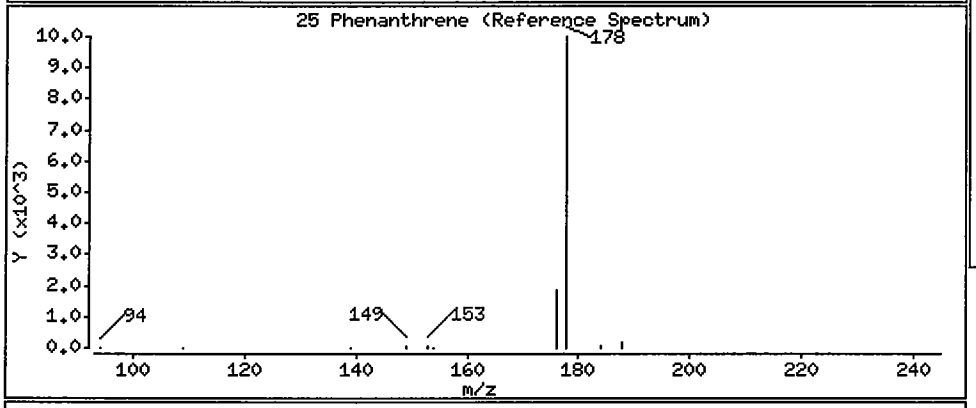
25 Phenanthrene Concentration: 2.0 ug/Kg

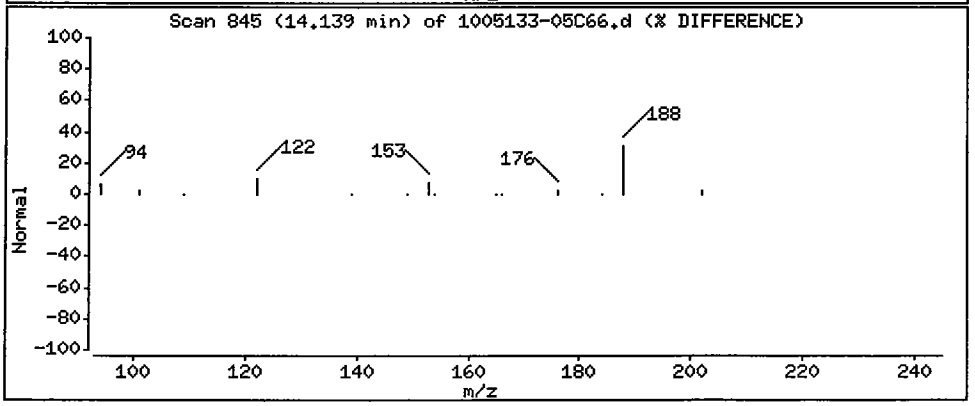












Data File: /chem/5972hp66.i/DS100601C66.b/1005133-05C66.d

Date : 02-JUN-2010 11:38

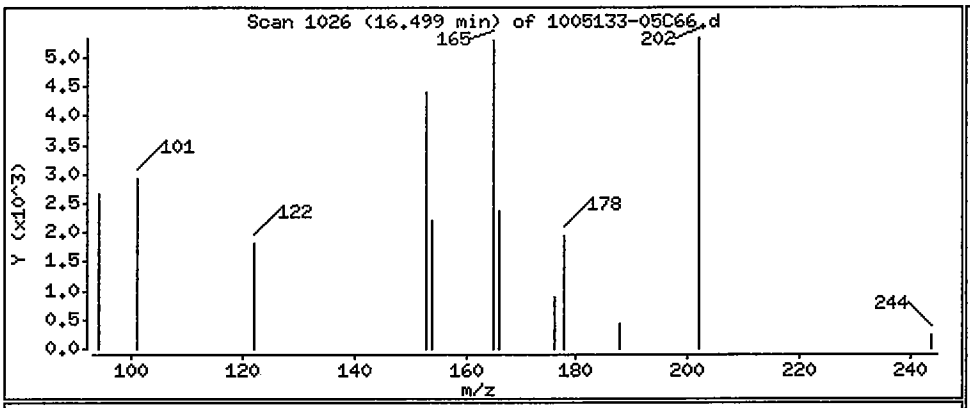
Client ID: SS63-0-1 Instrument: 5972hp66.i

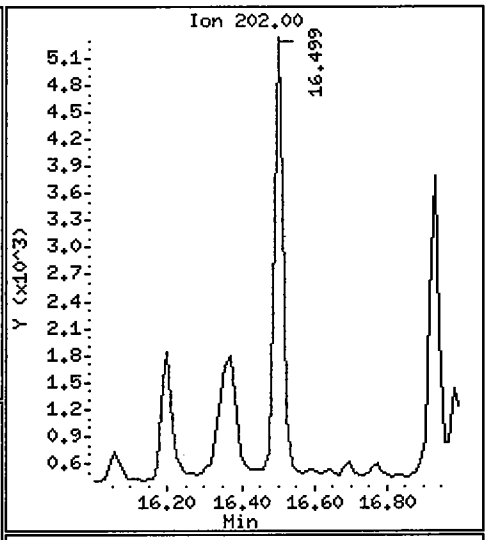
Sample Info: 1005133-05;2743

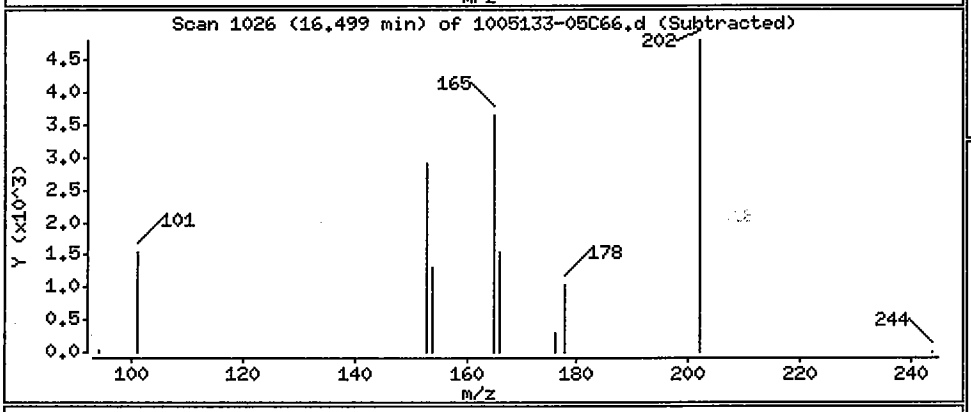
Volume Injected (uL): 2.0 Operator: 2743

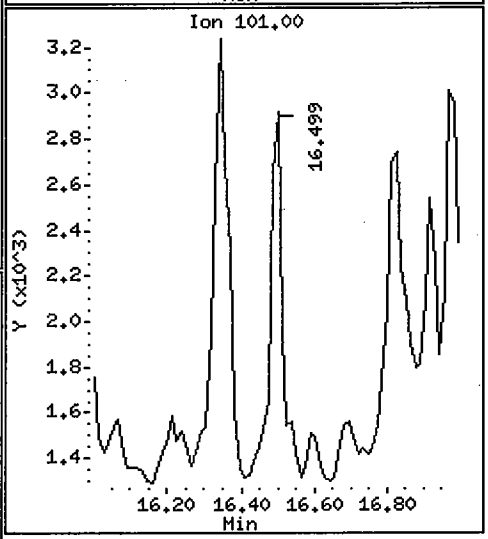
Column phase: Rtx-5MS Column diameter: 0.32

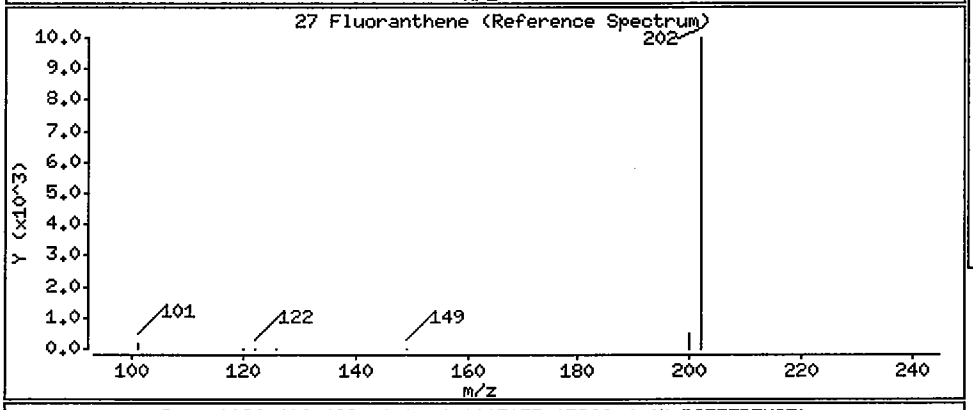
27 Fluoranthene Concentration: 1.6 ug/Kg

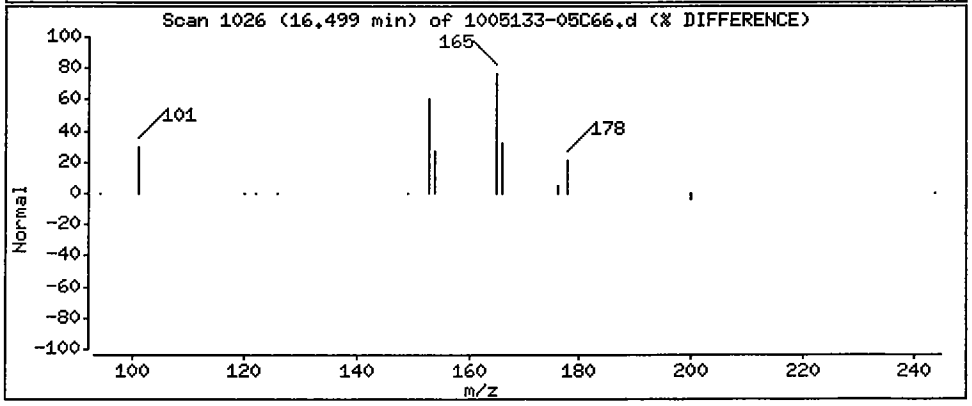












Data File: /chem/5972hp66.i/DS100601C66.b/1005133-05C66.d

Date : 02-JUN-2010 11:38

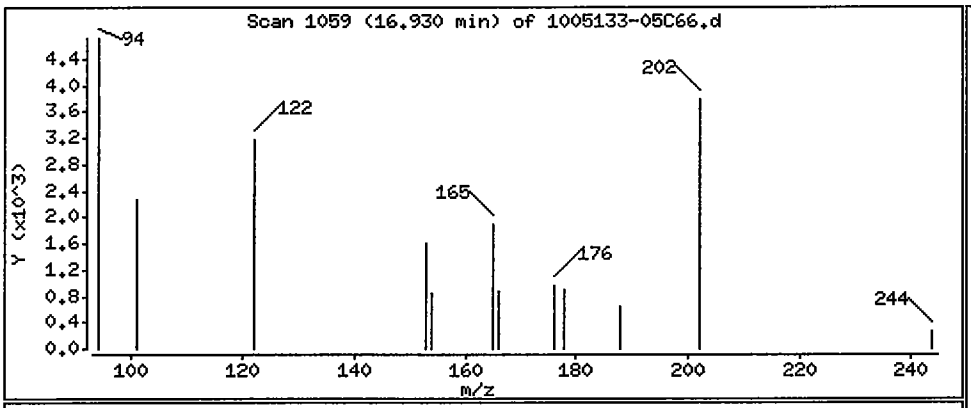
Client ID: SS63-0-1 Instrument: 5972hp66.i

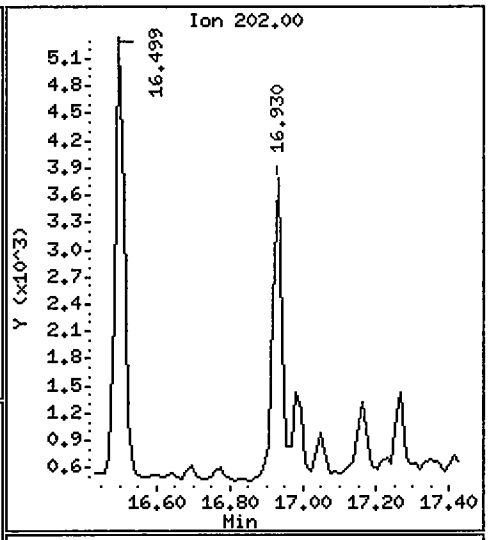
Sample Info: 1005133-05:2743

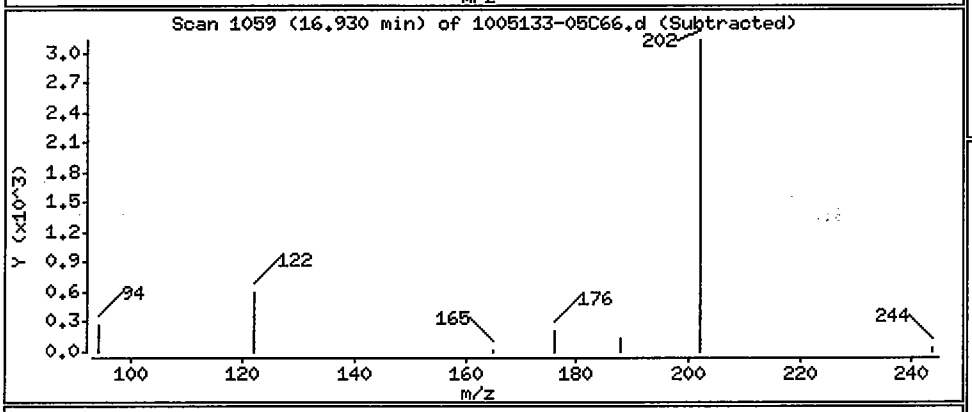
Volume Injected (uL): 2.0 Operator: 2743

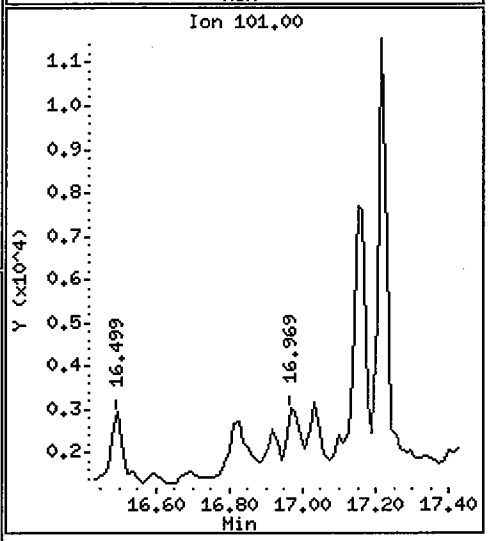
Column phase: Rtx-5MS Column diameter: 0.32

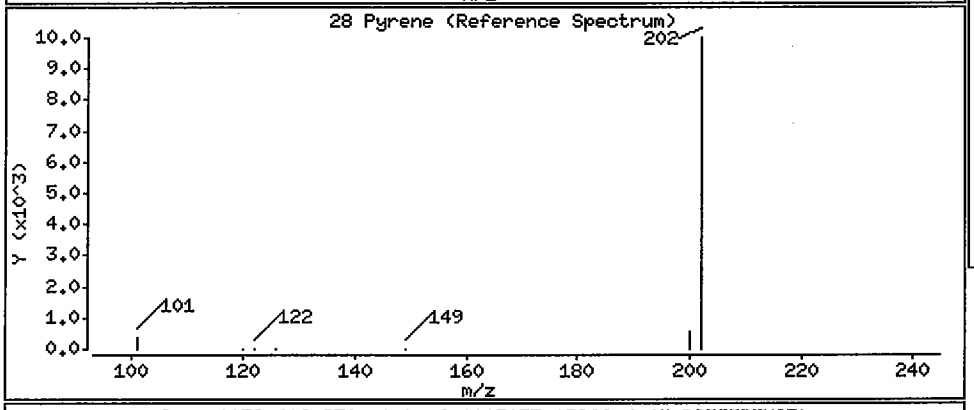
28 Pyrene Concentration: 0.99 ug/Kg

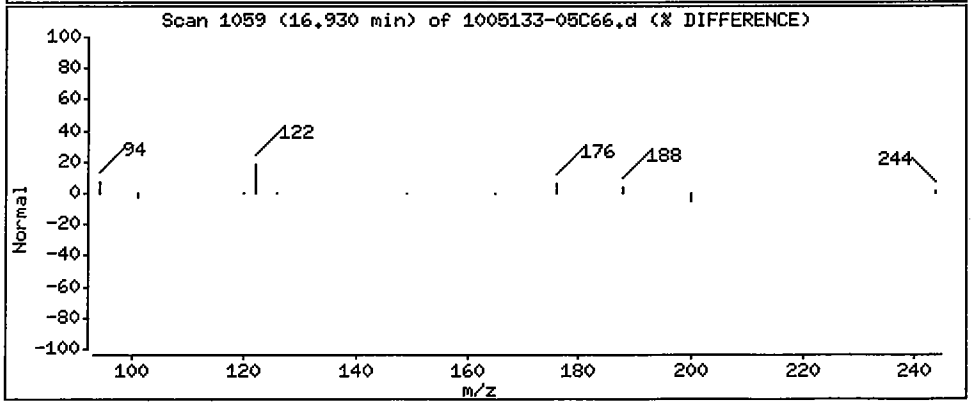












Data File: /chem/5972hp66.i/DS100601C66.b/1005133-05C66.d

Date : 02-JUN-2010 11:38

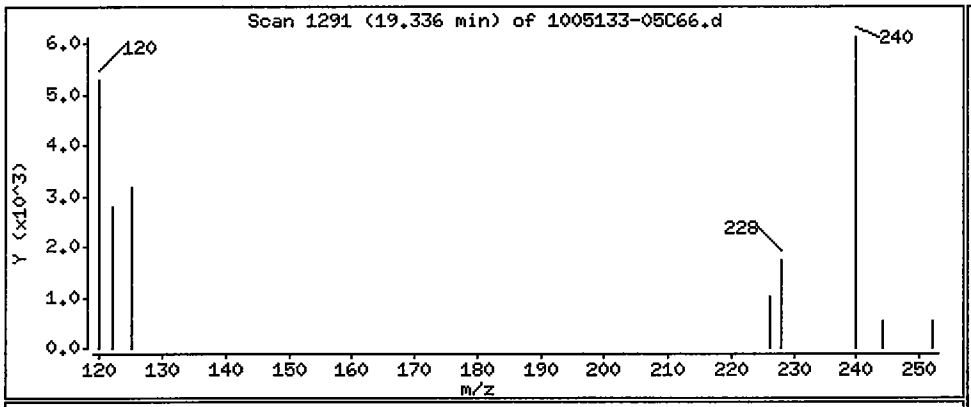
Client ID: SS63-0-1 Instrument: 5972hp66.i

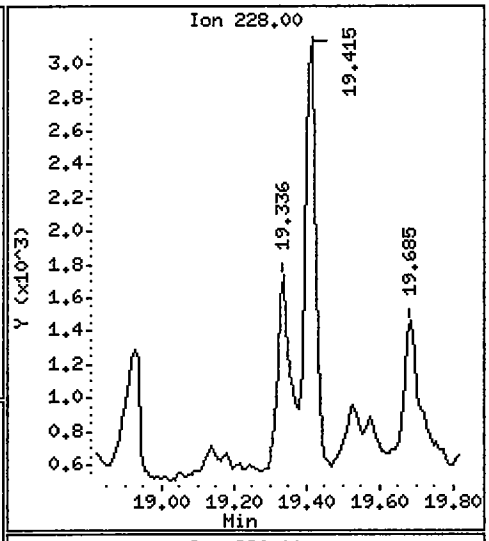
Sample Info: 1005133-05:2743

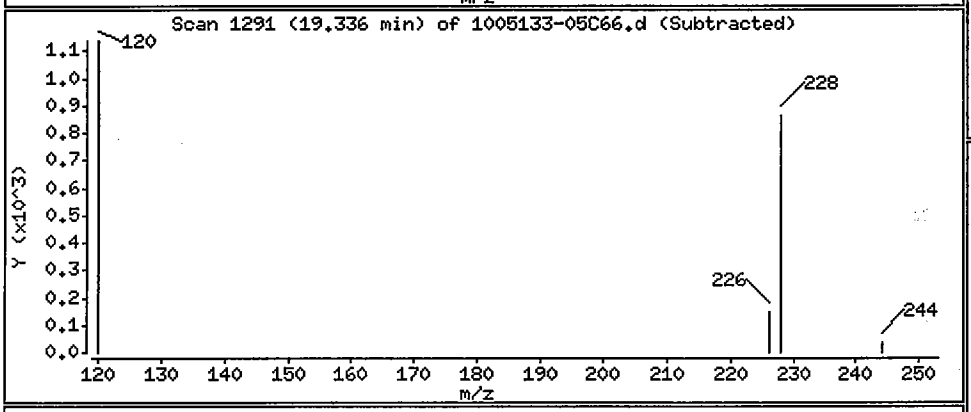
Volume Injected (uL): 2.0 Operator: 2743

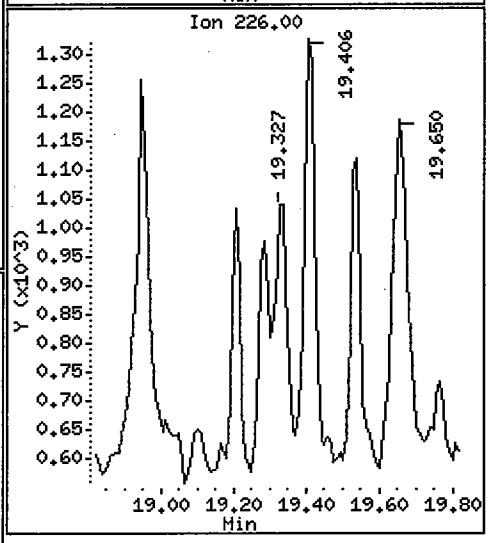
Column phase: Rtx-5MS Column diameter: 0.32

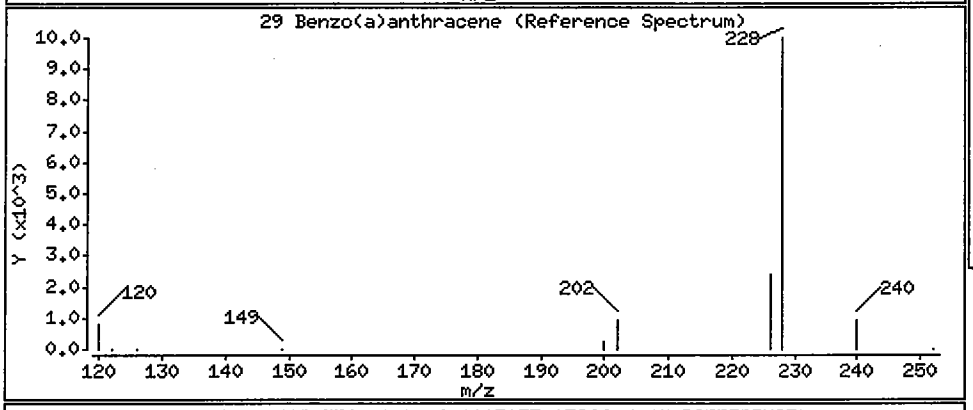
29 Benzo(a)anthracene Concentration: 0.69 ug/Kg

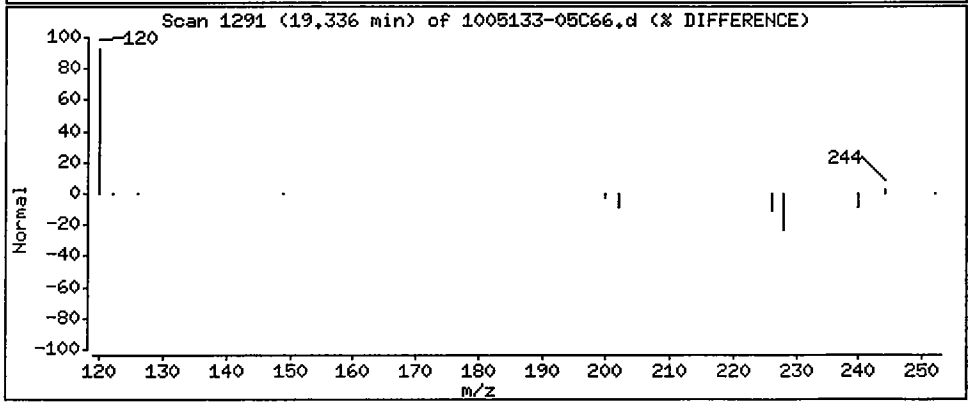












Data File: /chem/5972hp66.i/DS100601C66.b/1005133-05C66.d

Date : 02-JUN-2010 11:38

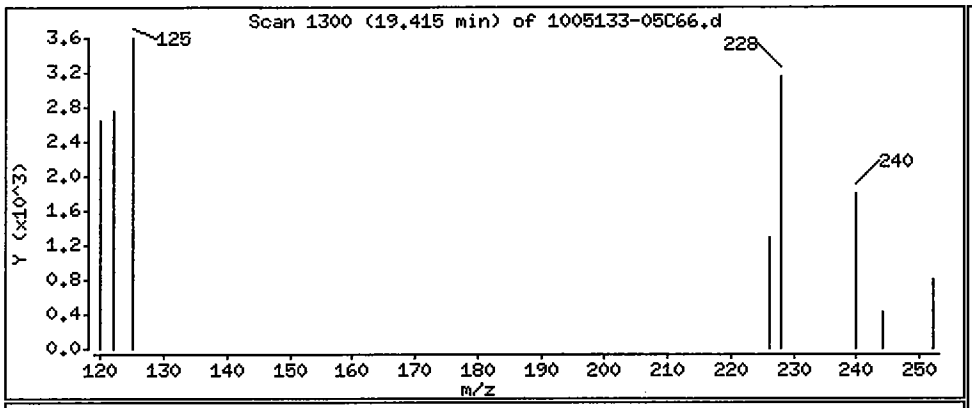
Client ID: SS63-0-1 Instrument: 5972hp66.i

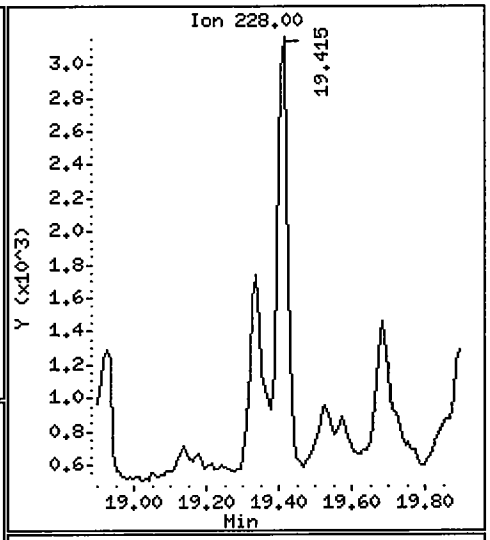
Sample Info: 1005133-05:2743

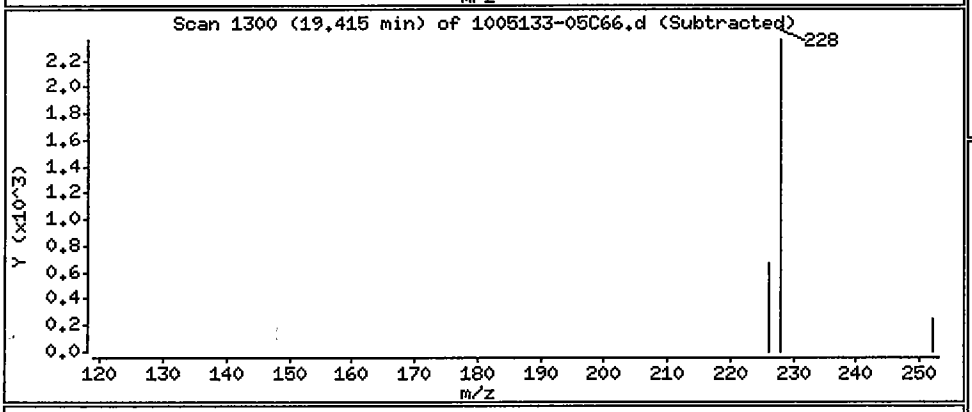
Volume Injected (uL): 2.0 Operator: 2743

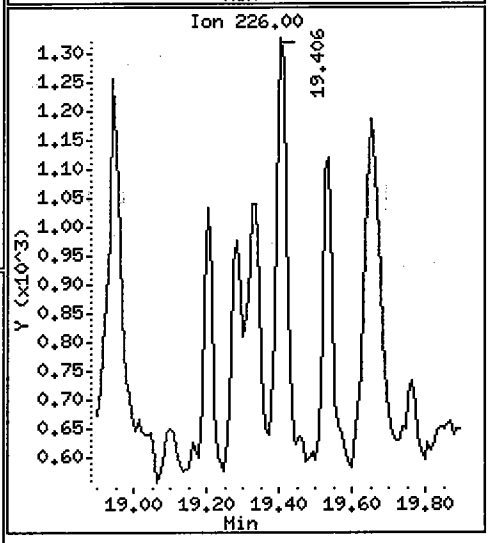
Column phase: Rtx-5MS Column diameter: 0.32

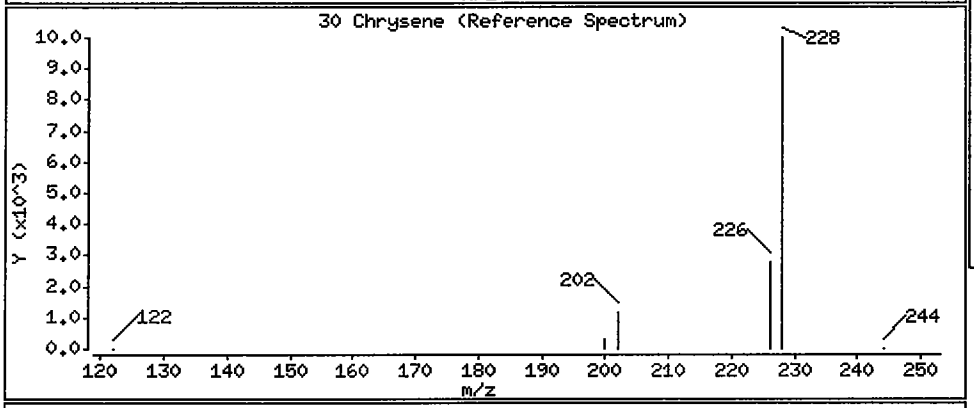
30 Chrysene Concentration: 1.0 ug/Kg

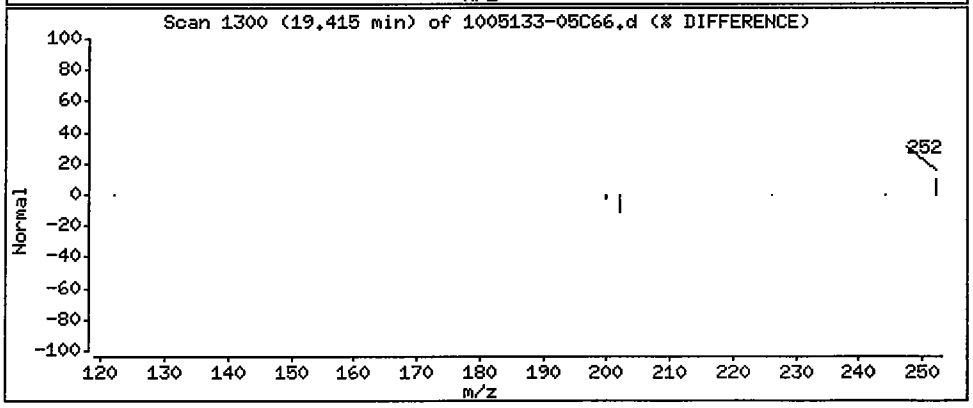












Data File: /chem/5972hp66.i/DS100601C66.b/1005133-05C66.d

Date : 02-JUN-2010 11:38

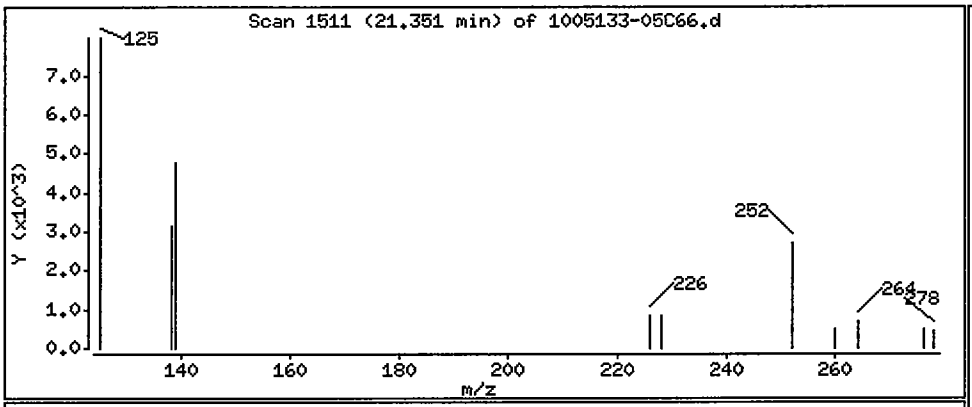
Client ID: SS63-0-1 Instrument: 5972hp66.i

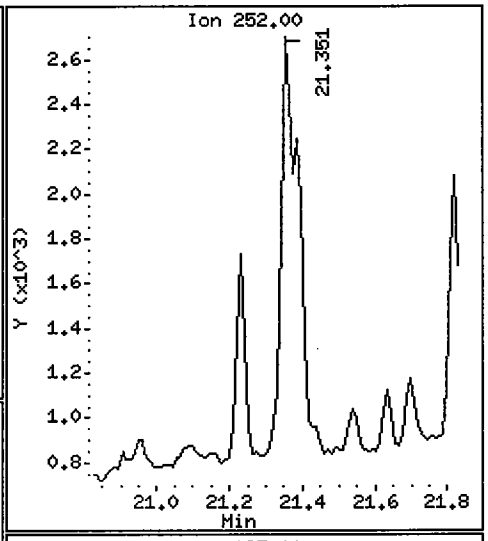
Sample Info: 1005133-05;2743

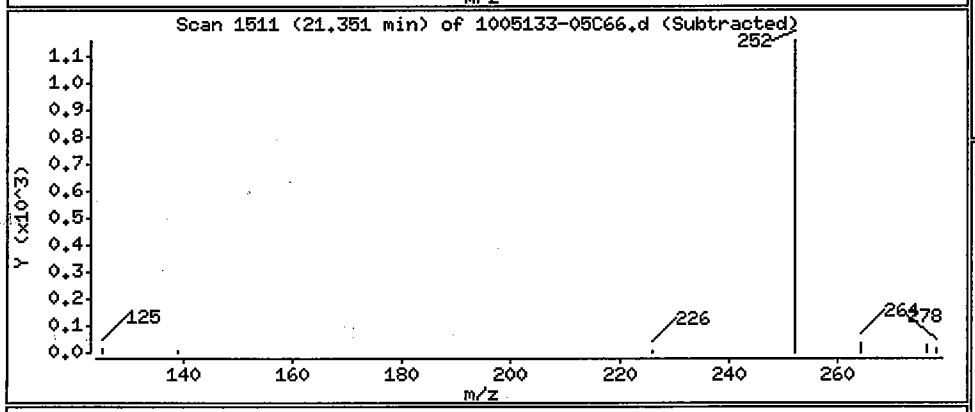
Volume Injected (uL): 2.0 Operator: 2743

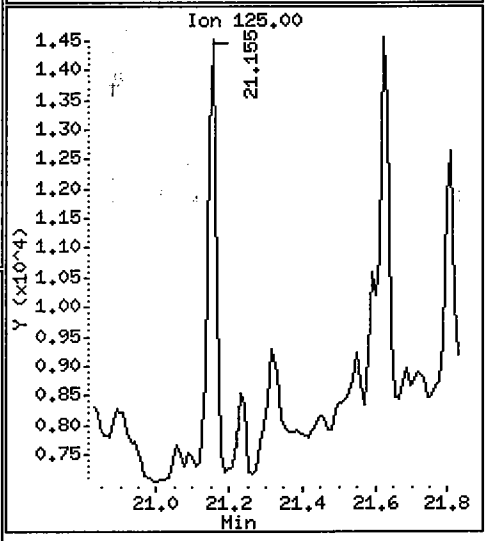
Column phase: Rtx-5MS Column diameter: 0.32

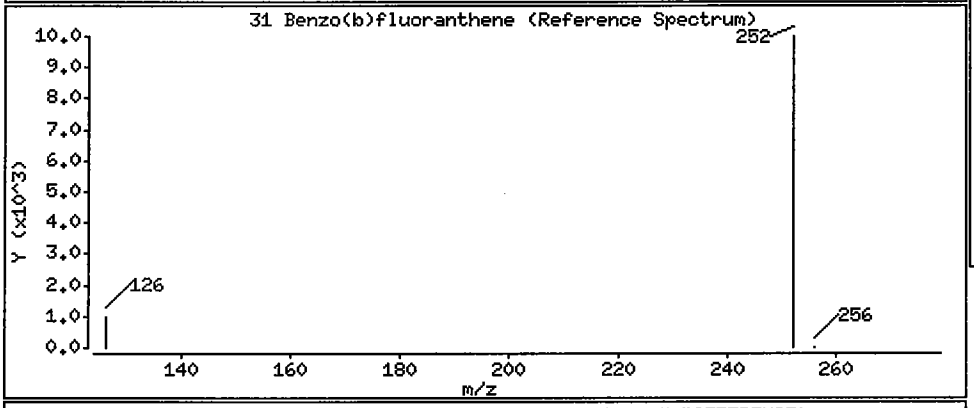
31 Benzo(b)fluoranthene Concentration: 0.96 ug/Kg

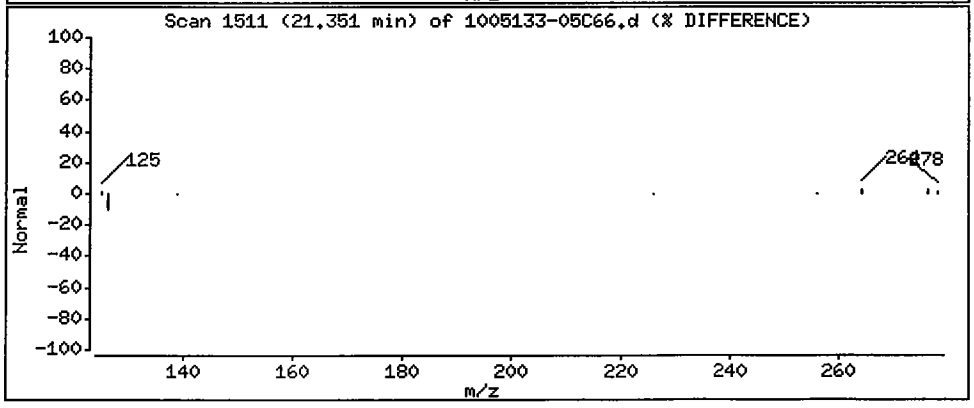












Data File: /chem/5972hp66.i/DS100601C66.b/1005133-05C66.d

Date : 02-JUN-2010 11:38

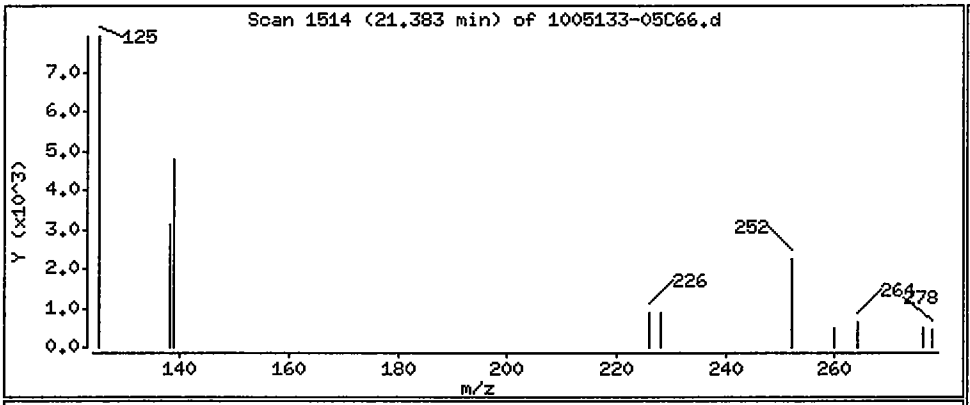
Client ID: SS63-0-1 Instrument: 5972hp66.i

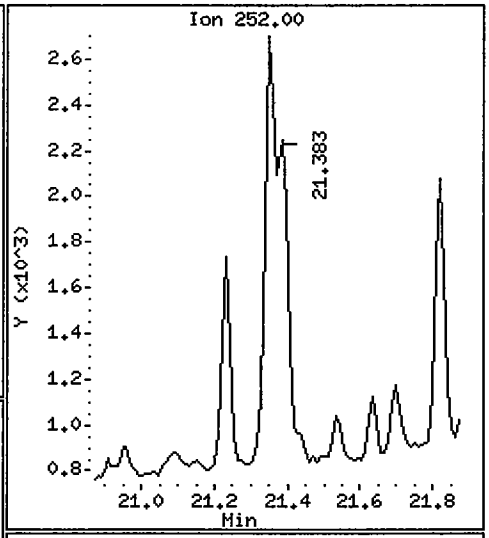
Sample Info: 1005133-05:2743

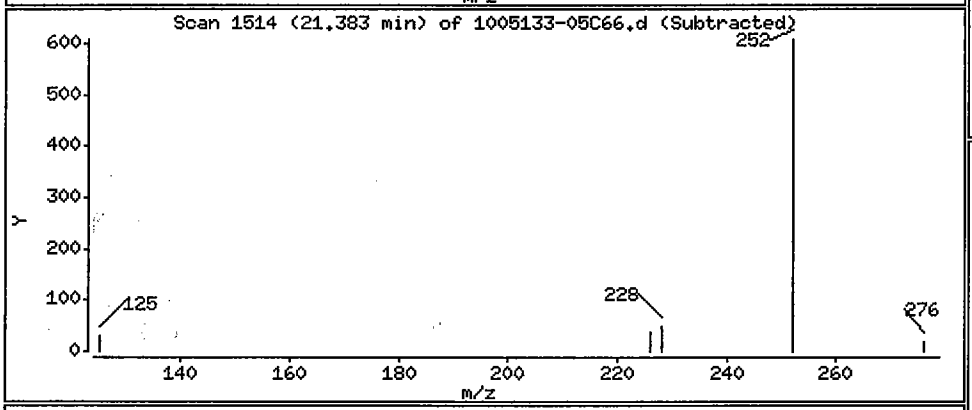
Volume Injected (uL): 2.0 Operator: 2743

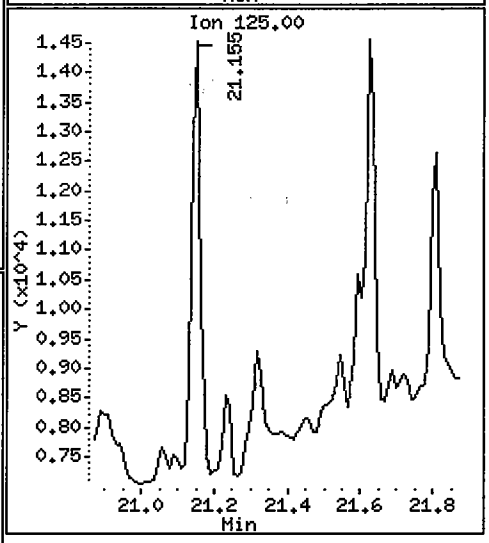
Column phase: Rtx-5MS Column diameter: 0.32

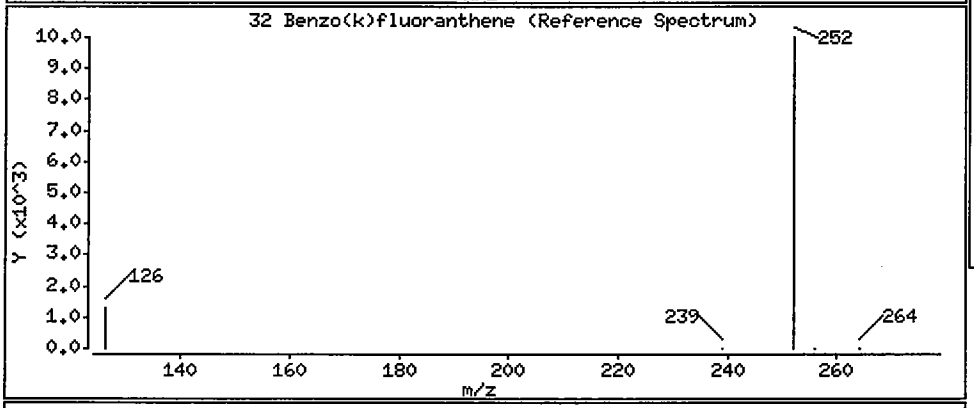
32 Benzo(k)fluoranthene Concentration: 0.70 ug/Kg

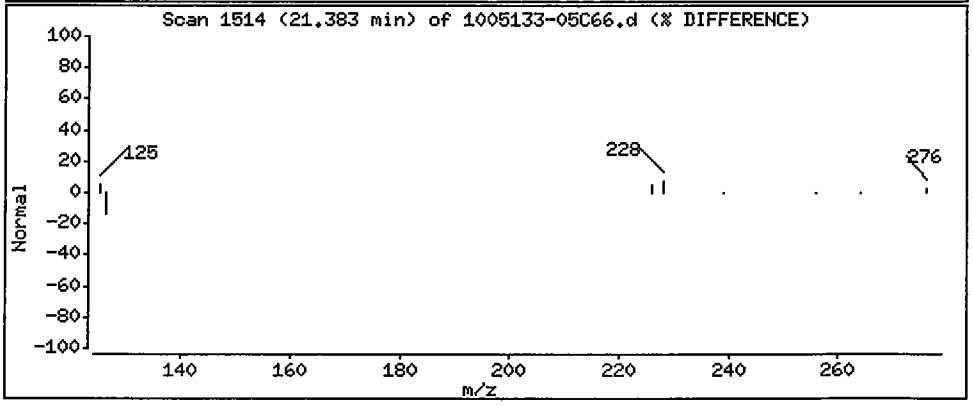












Data File: /chem/5972hp66.i/DS100601C66.b/1005133-05C66.d

Date : 02-JUN-2010 11:38

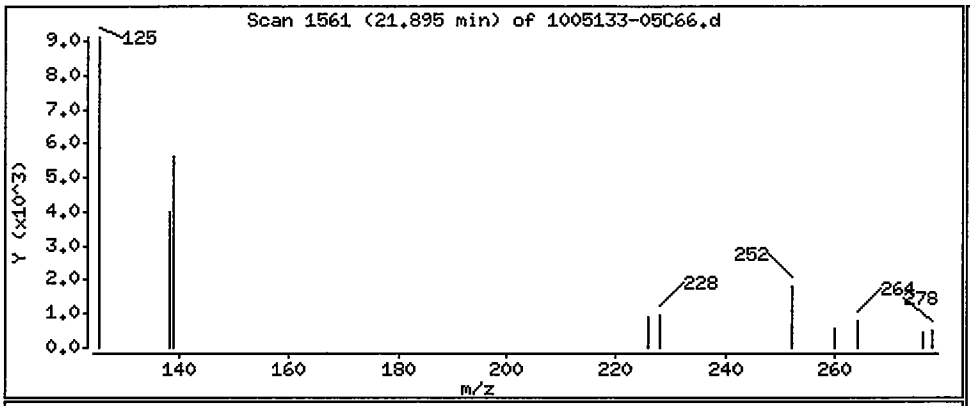
Client ID: SS63-0-1 Instrument: 5972hp66.i

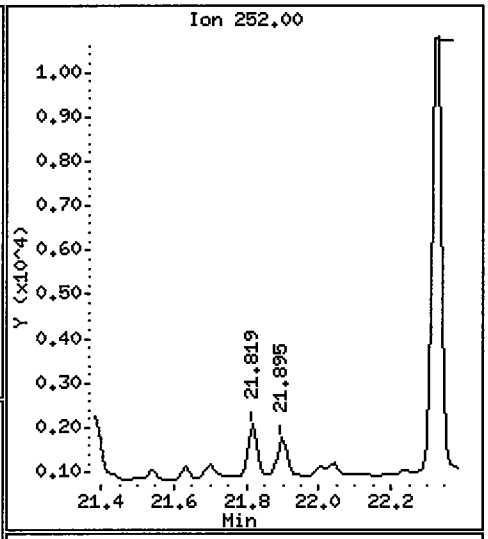
Sample Info: 1005133-05;2743

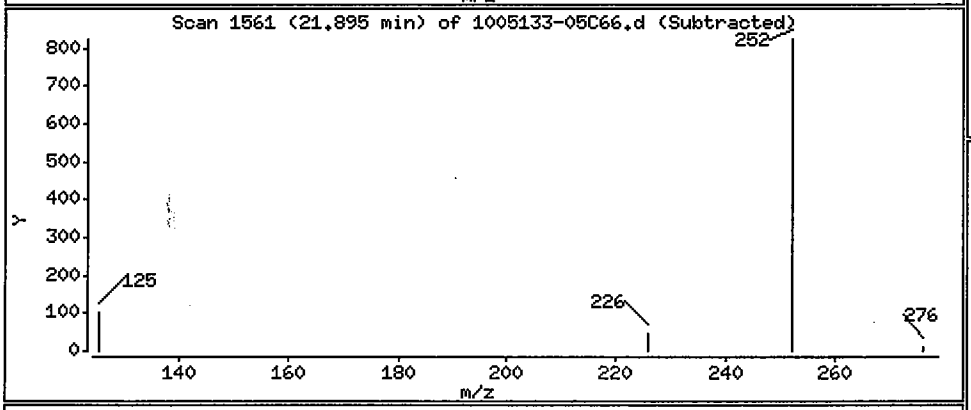
Volume Injected (uL): 2.0 Operator: 2743

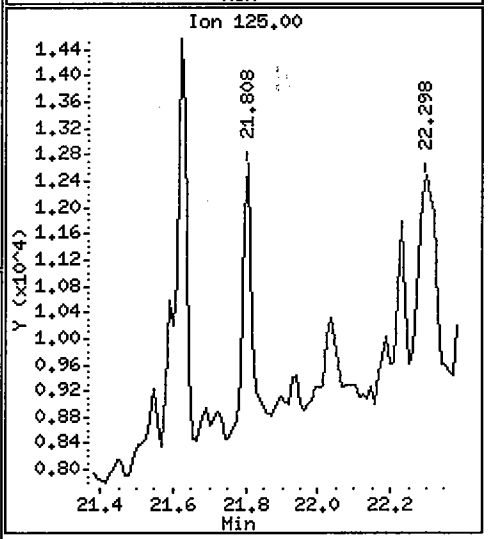
Column phase: Rtx-5MS Column diameter: 0.32

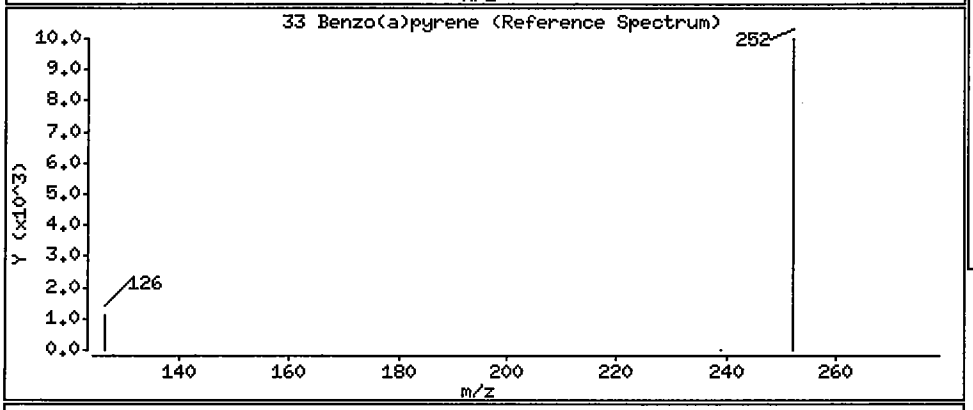
33 Benzo(a)pyrene Concentration: 0.43 ug/Kg

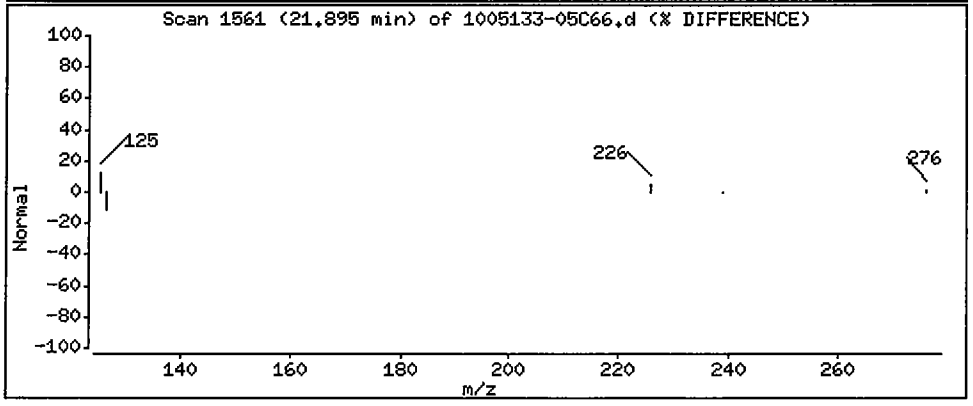












Data File: /chem/5972hp66.i/DS100601C66.b/1005133-05C66.d

Date : 02-JUN-2010 11:38

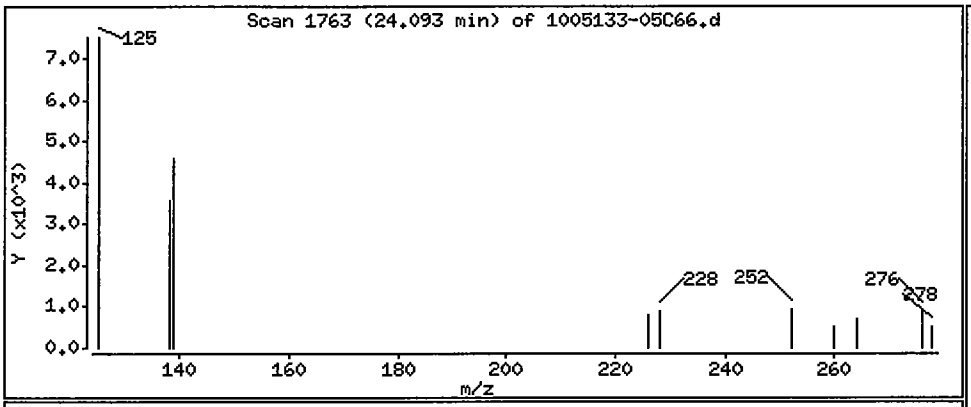
Client ID: SS63-0-1 Instrument: 5972hp66.i

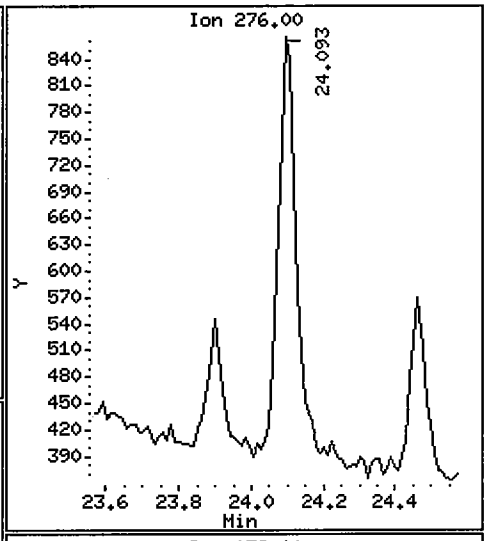
Sample Info: 1005133-05;2743

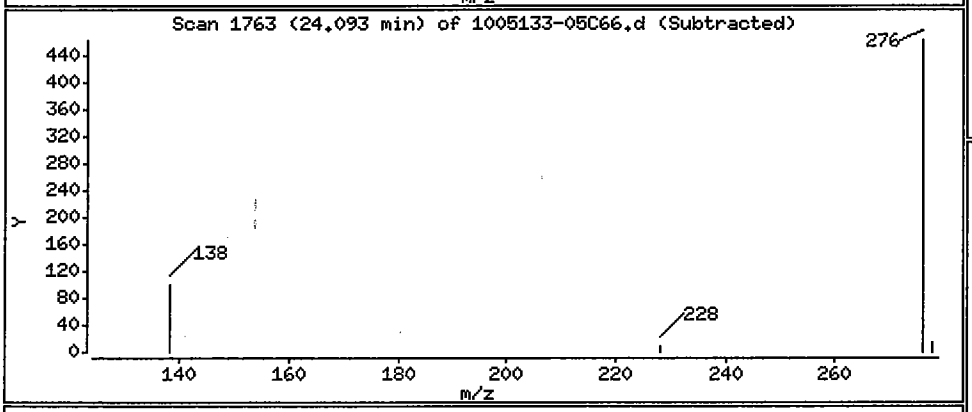
Volume Injected (uL): 2.0 Operator: 2743

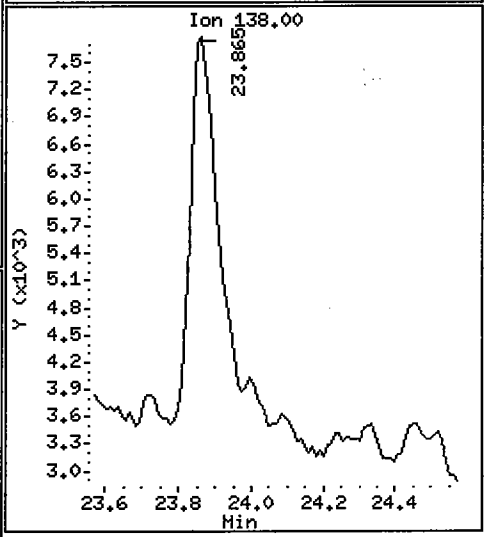
Column phase: Rtx-5MS Column diameter: 0.32

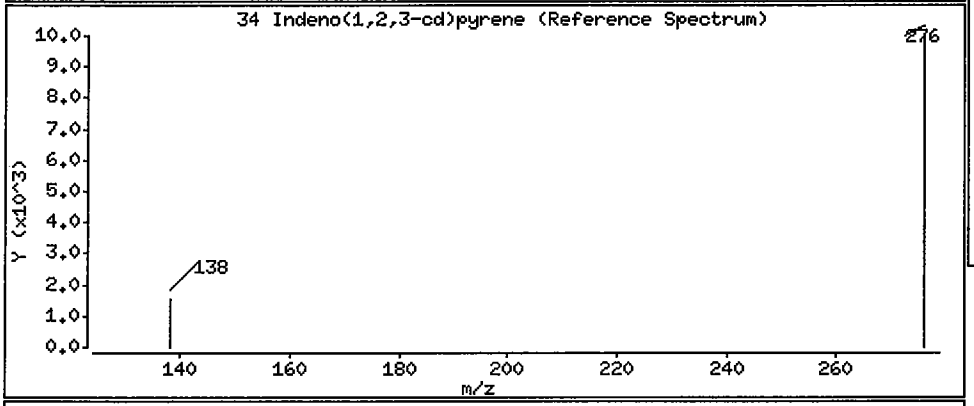
34 Indeno(1,2,3-cd)pyrene Concentration: 0.48 ug/Kg

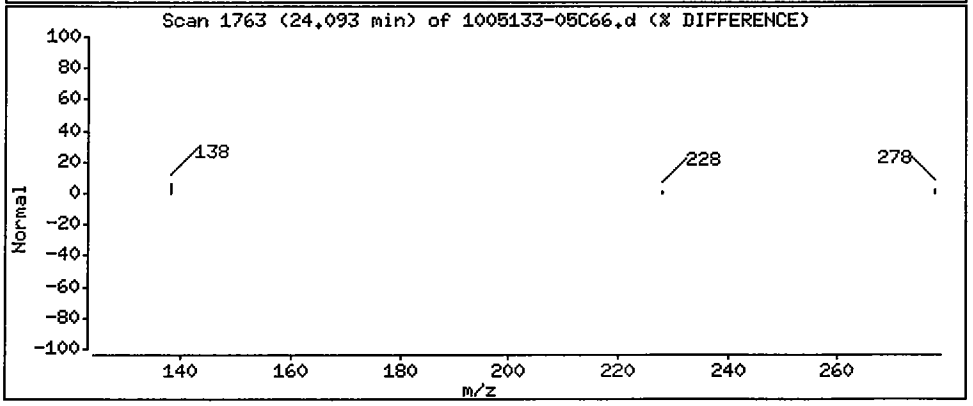












Data File: /chem/5972hp66.i/DS100601C66.b/1005133-05C66.d

Date : 02-JUN-2010 11:38

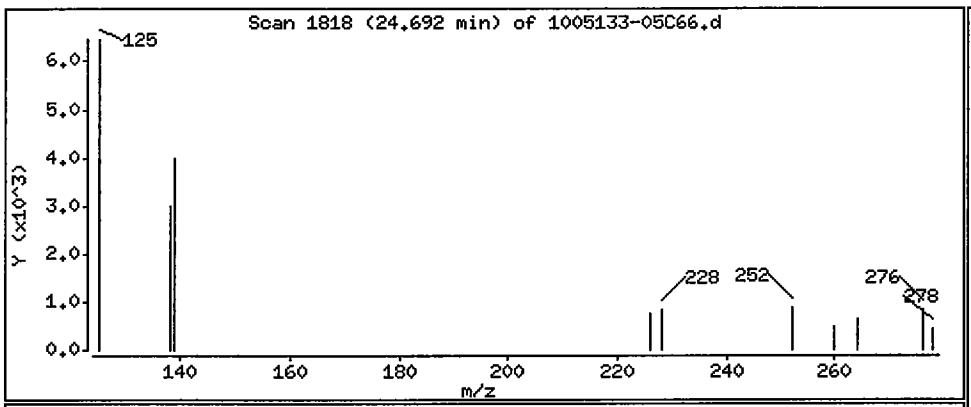
Client ID: SS63-0-1 Instrument: 5972hp66.i

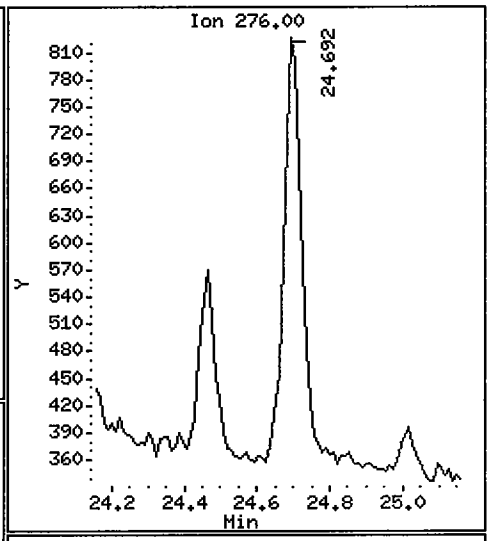
Sample Info: 1005133-05;2743

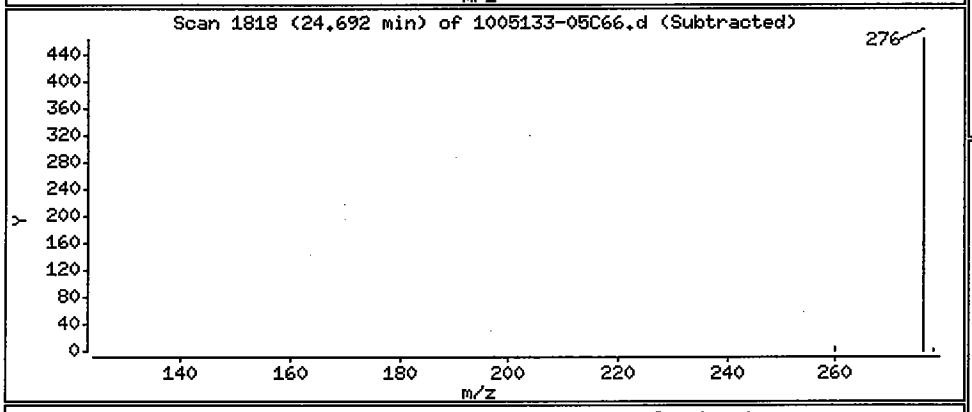
Volume Injected (uL): 2.0 Operator: 2743

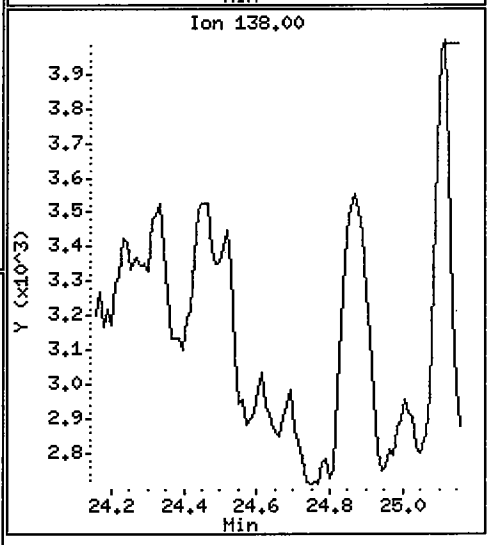
Column phase: Rtx-5MS Column diameter: 0.32

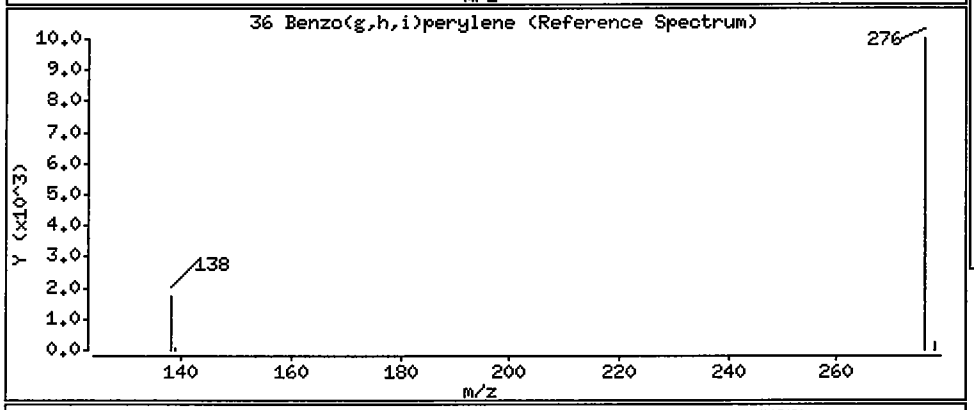
36 Benzo(g,h,i)perylene Concentration: 0.46 ug/Kg

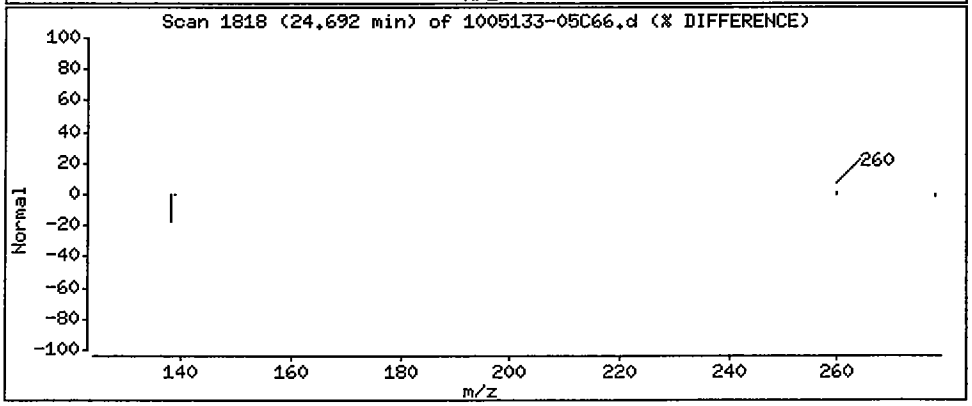












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SS67-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/18/10

Lab Sample ID: 1005133-11
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005133-11J2A70
Analyst: OWS

% Moisture: 55 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK2

Date Extracted: 05/24/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

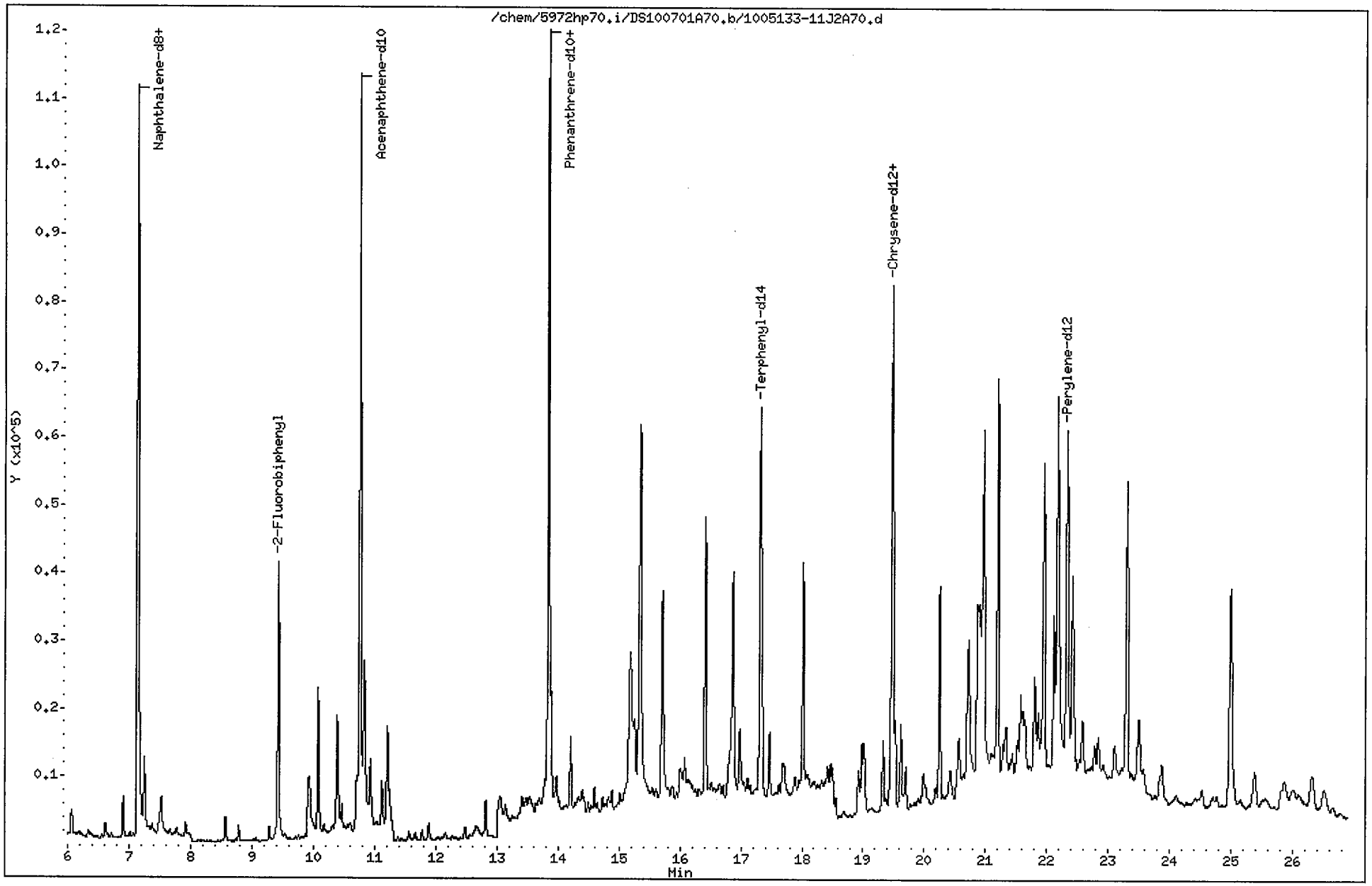
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	1.6	18	5.1	J
91-57-6	2-Methylnaphthalene	1.5	18	2.1	J
208-96-8	Acenaphthylene	1.2	18	ND	U
83-32-9	Acenaphthene	1.3	18	1.5	J
86-73-7	Fluorene	1.0	18	1.1	J
85-01-8	Phenanthrene	2.9	18	7.6	J
120-12-7	Anthracene	0.96	18	3.4	J
206-44-0	Fluoranthene	3.0	18	22	
129-00-0	Pyrene	1.3	18	17	J
56-55-3	Benzo(a)anthracene	1.3	18	6.3	J
218-01-9	Chrysene	1.4	18	9.8	J
205-99-2	Benzo(b)fluoranthene	1.3	18	7.8	J
207-08-9	Benzo(k)fluoranthene	0.96	18	4.7	J
50-32-8	Benzo(a)pyrene	0.85	18	5.7	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.81	18	11	J
53-70-3	Dibenzo(a,h)anthracene	0.74	18	ND	U
191-24-2	Benzo(g,h,i)perylene	0.85	18	2.3	J

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100701A70.b/1005133-11J2A70.d
Date : 01-JUL-2010 15:37
Client ID: SS67-0-1
Sample Info: 1005133-11:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701A70.b/1005133-11J2A70.d
Report Date: 02-Jul-2010 13:31

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701A70.b/1005133-11J2A70.d
Lab Smp Id: 1005133-11 Client Smp ID: SS67-0-1
Inj Date : 01-JUL-2010 15:37
Operator : OWS Inst ID: 5972hp70.i
Smp Info : 1005133-11:OWS
Misc Info : SS67-0-1
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701A70.b/SIM_8270Cv3DOD.m
Meth Date : 02-Jul-2010 13:19 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	55.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	4.841	4.820	(1.000)	43518	2.00000	
* 2 Naphthalene-d8	136	7.138	7.130	(1.000)	164377	2.00000	
* 3 Acenaphthene-d10	164	10.764	10.763	(1.000)	96280	2.00000	
* 4 Phenanthrene-d10	188	13.845	13.846	(1.000)	175239	2.00000	
* 5 Chrysene-d12	240	19.481	19.476	(1.000)	121322	2.00000	
* 6 Perylene-d12	264	22.326	22.314	(1.000)	97013	2.00000	
$ 9 Nitrobenzene-d5	82	5.860	5.856	(0.821)	36523	0.68661	25
$ 10 2-Fluorobiphenyl	172	9.428	9.432	(0.876)	57133	0.86102	32
$ 12 Terphenyl-d14	244	17.340	17.343	(0.890)	49246	1.14034	42
13 Naphthalene	128	7.169	7.161	(1.004)	14564	0.13875	5.1(a)
15 2-Methylnaphthalene	141	8.569	8.572	(1.200)	2750	0.05559	2.1(a)
17 Acenaphthylene	152	Compound Not Detected.					
18 Acenaphthene	154	10.823	10.822	(1.005)	2281	0.03957	1.5(a)

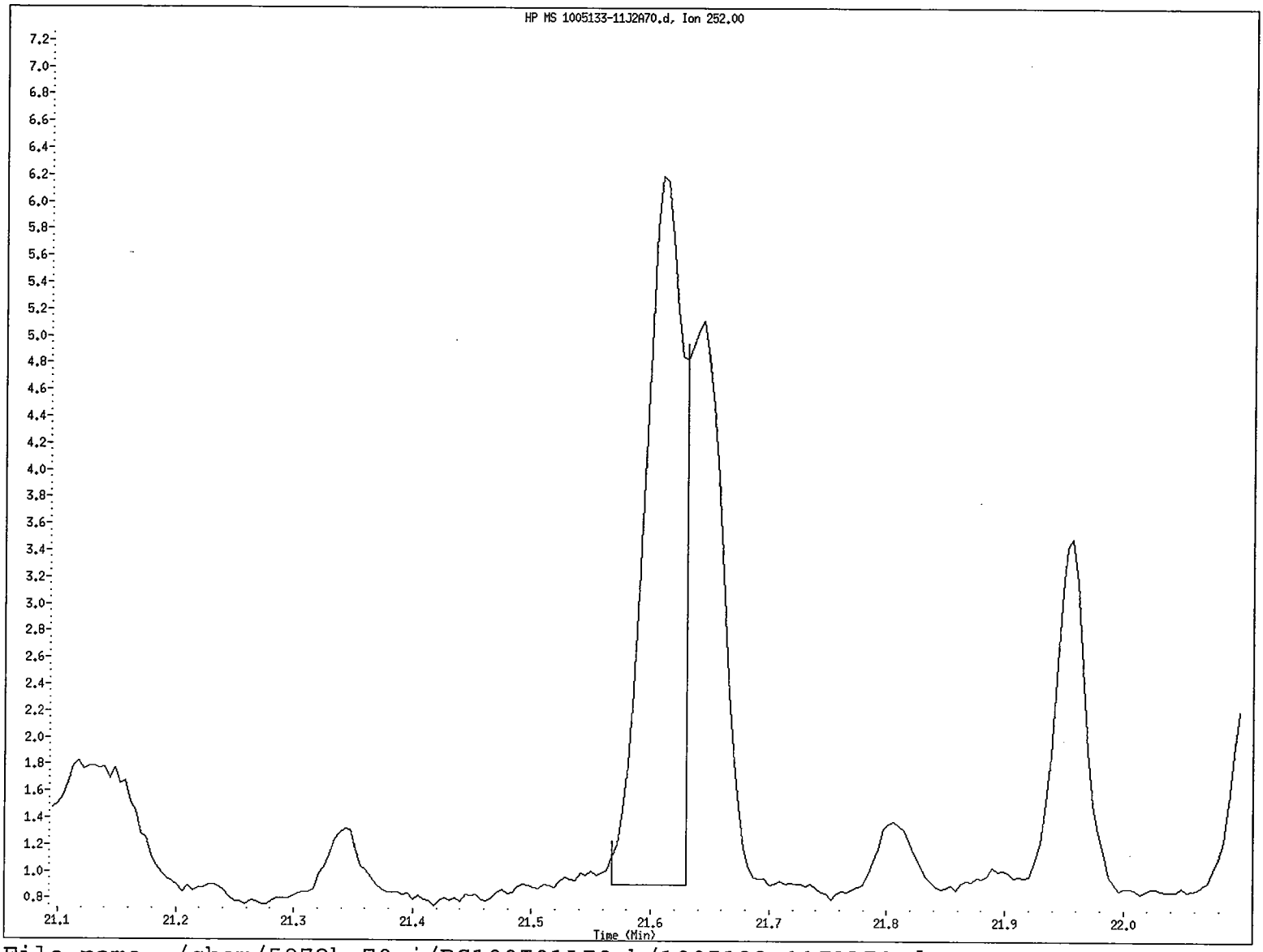
Data File: /chem/5972hp70.i/DS100701A70.b/1005133-11J2A70.d
Report Date: 02-Jul-2010 13:31

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	11.886	11.893	(1.104)	2157	0.02979	1.1(a)
25 Phenanthrene	178	13.889	13.890	(1.003)	19734	0.20632	7.6(a)
26 Anthracene	178	13.982	13.983	(1.010)	8105	0.09235	3.4(a)
27 Fluoranthene	202	16.418	16.417	(1.186)	55897	0.59516	22
28 Pyrene	202	16.873	16.871	(0.866)	40806	0.46541	17(a)
29 Benzo(a)anthracene	228	19.441	19.441	(0.998)	10874	0.17023	6.3(a)
30 Chrysene	228	19.525	19.525	(1.002)	20060	0.26379	9.8(a)
31 Benzo(b)fluoranthene	252	21.607	21.595	(0.968)	11923	0.21002	7.8(aM)
32 Benzo(k)fluoranthene	252	21.643	21.635	(0.969)	8849	0.12602	4.7(aM)
33 Benzo(a)pyrene	252	22.203	22.195	(0.994)	8321	0.15517	5.7(aM)
34 Indeno(1,2,3-cd)pyrene	276	24.697	24.666	(1.106)	3726	0.29906	11(a)
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	25.376	25.328	(1.137)	3206	0.06116	2.3(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

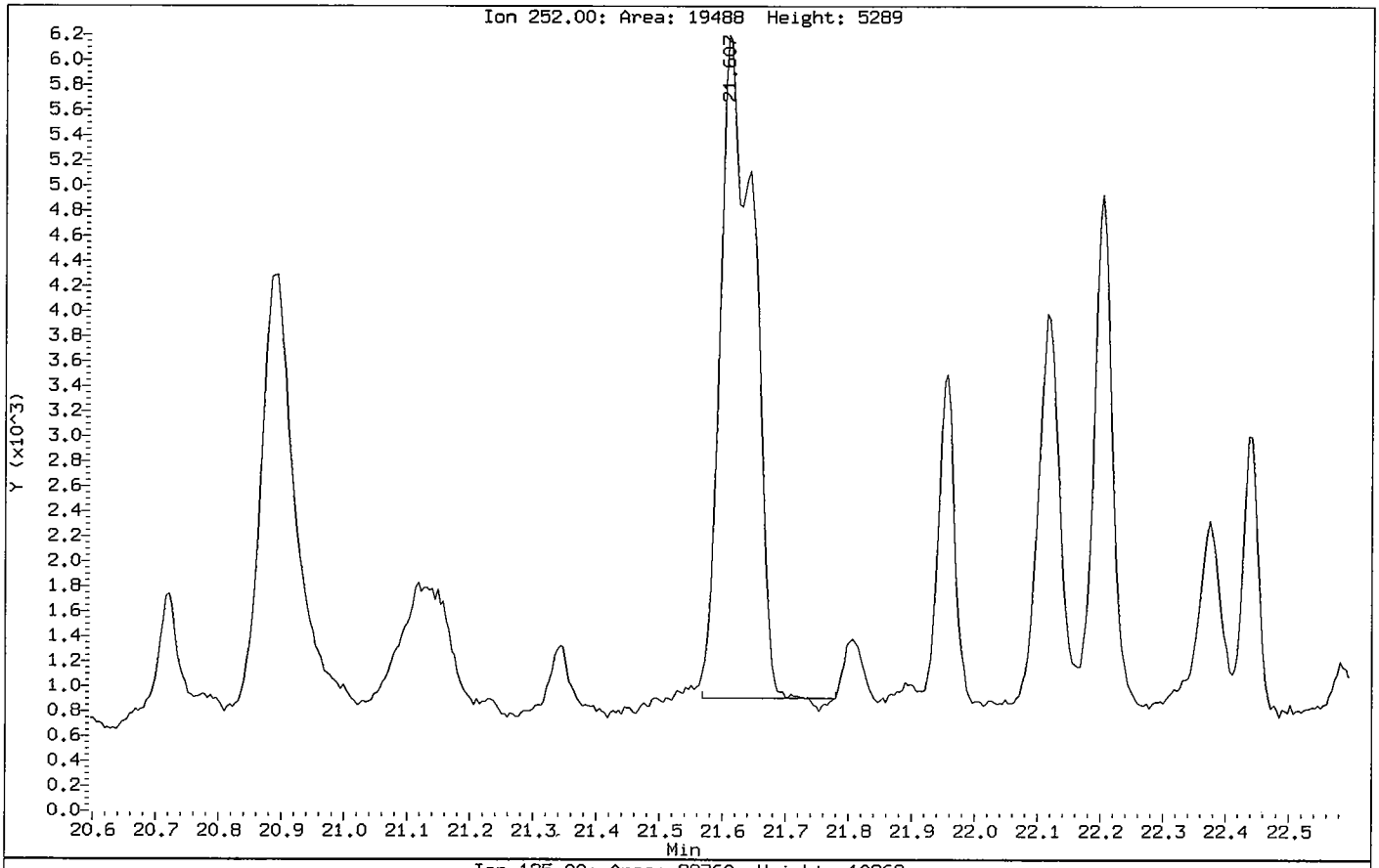
Benzo(b)fluoranthene CAS Number 205-99-2 Area = 11923 Manually integrated

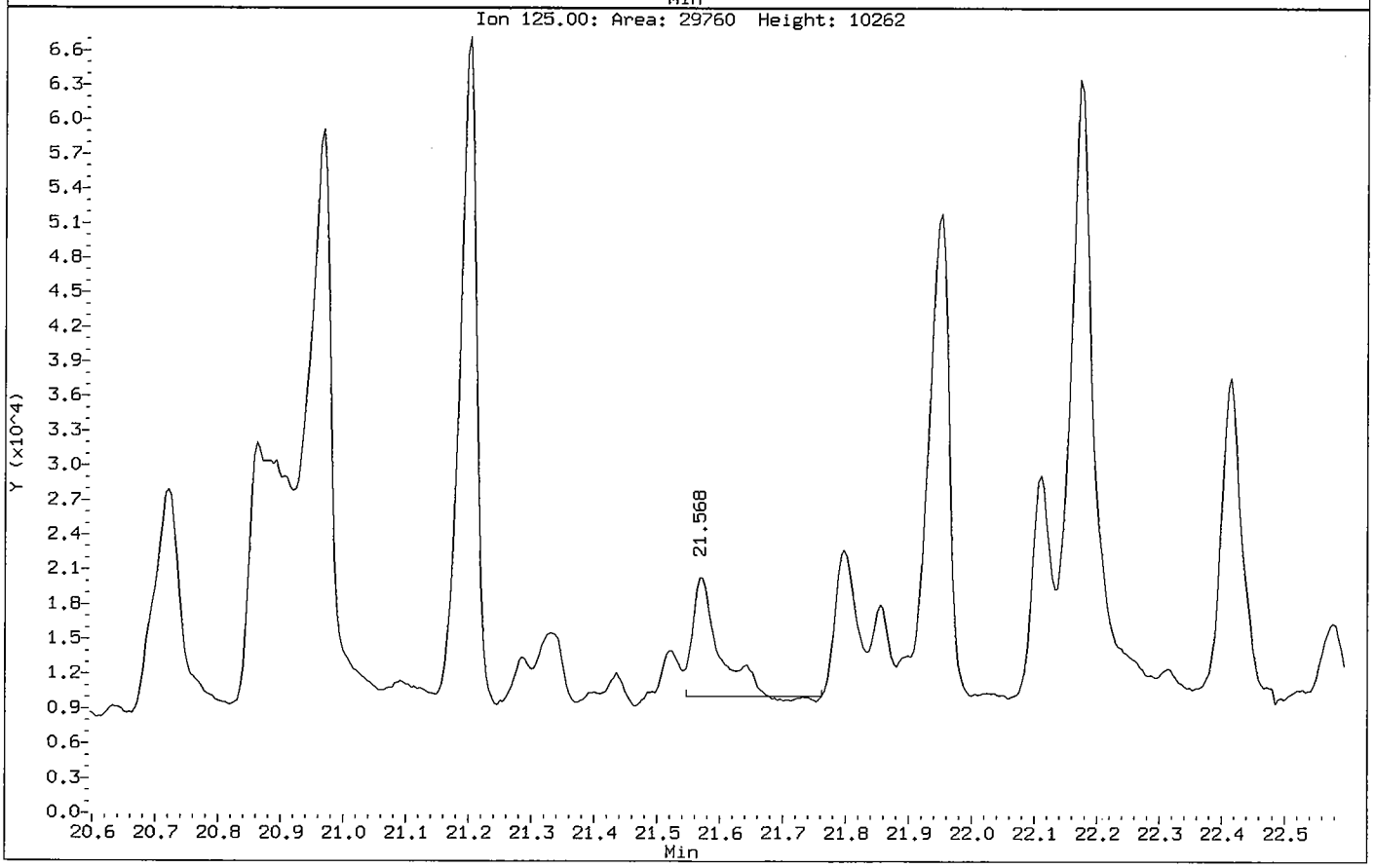


File name: /chem/5972hp70.i/DS100701A70.b/1005133-11J2A70.d
Client ID: SS67-0-1
Instrument ID: 5972hp70.i
Injection Date and Time: 01-JUL-2010 15:37
Retention Time: 21.61
Operator ID: OWS

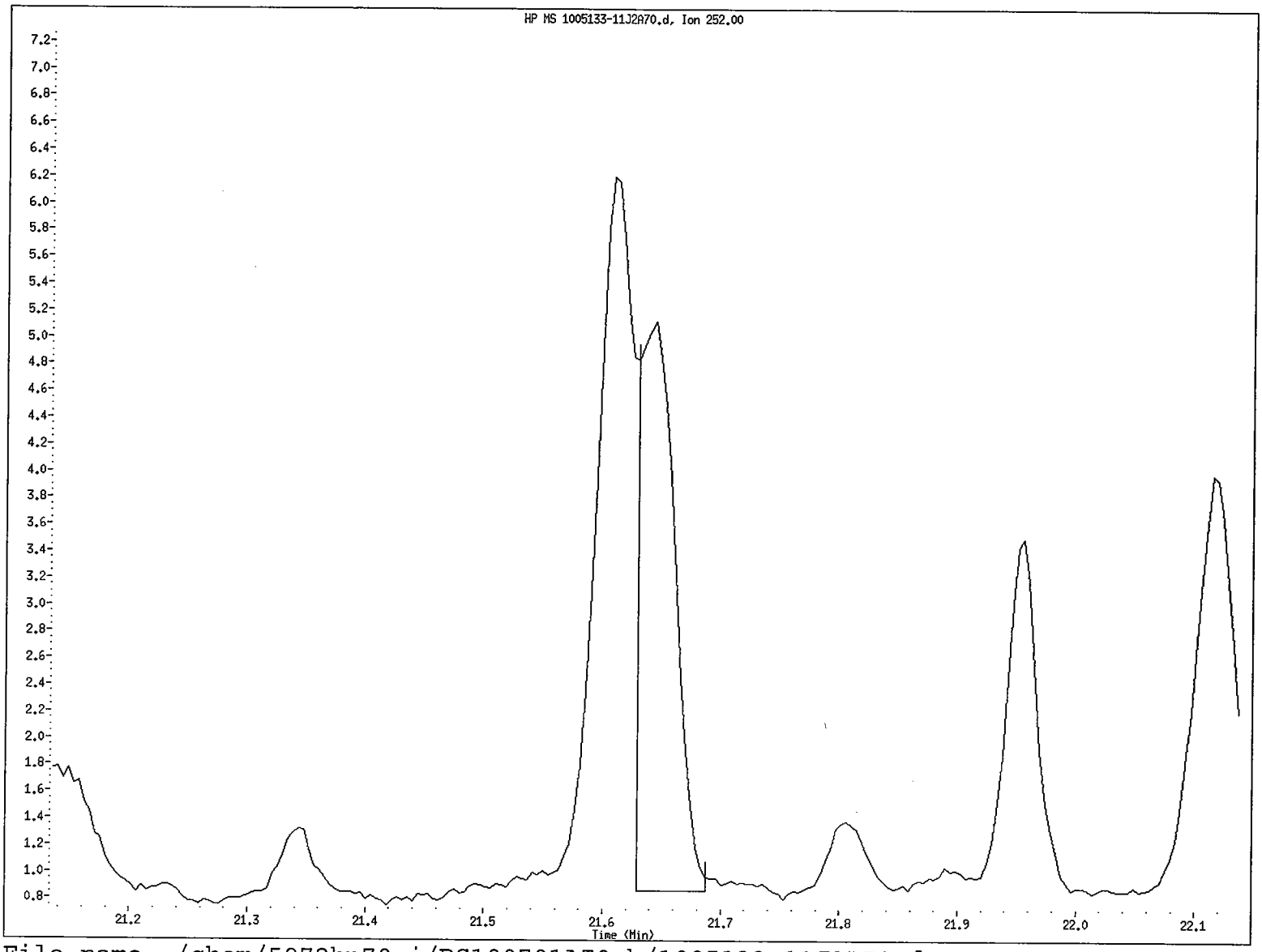
Data File: /chem/5972hp70.i/DS100701A70.b/1005133-11J2A70.d
Injection Date: 01-JUL-2010 15:37
Instrument: 5972hp70.i
Client Sample ID: SS67-0-1

Compound: Benzo(b)fluoranthene
CAS Number: 205-99-2





Benzo(k)fluoranthene CAS Number 207-08-9 Area = 8849 Manually integrated



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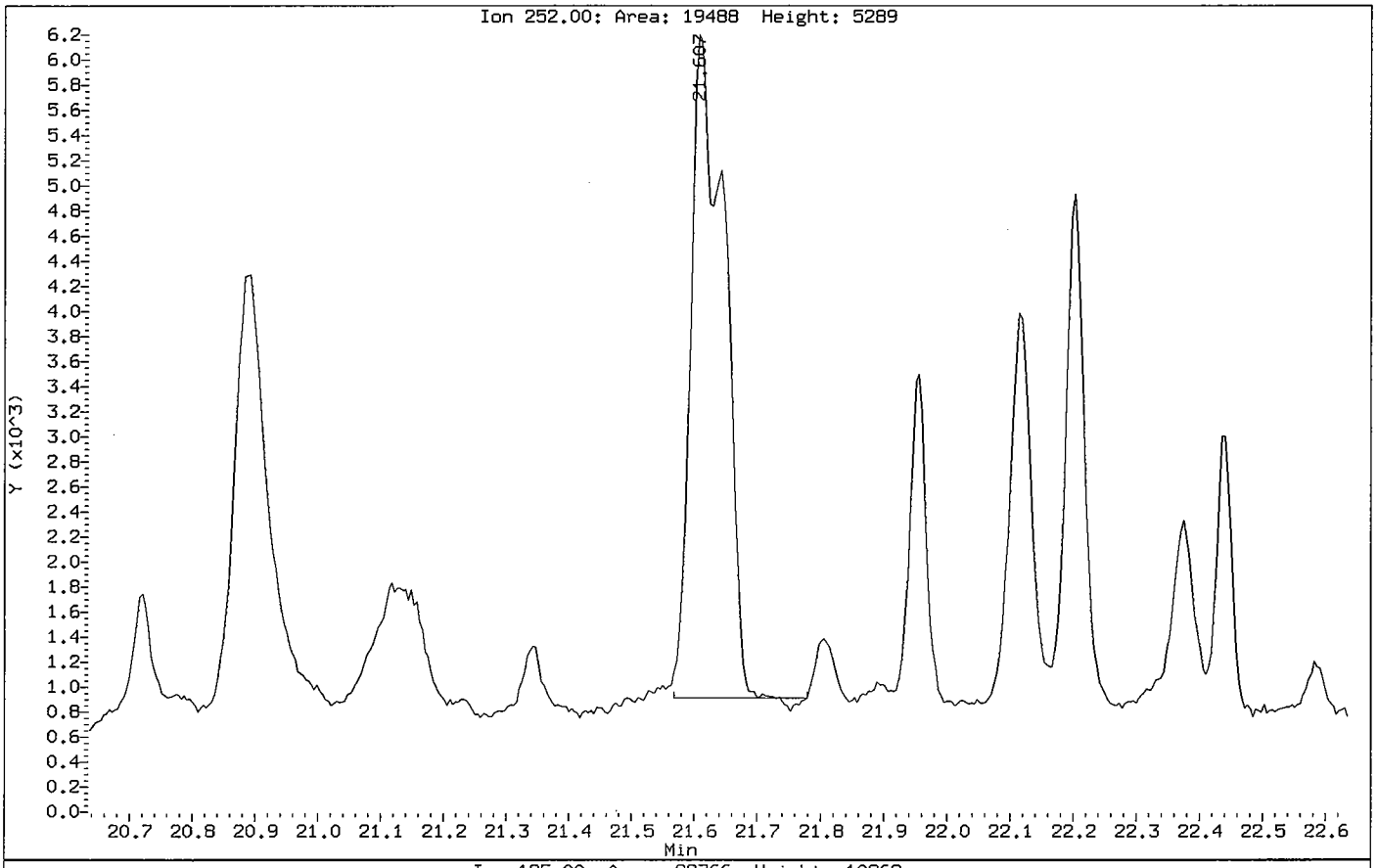
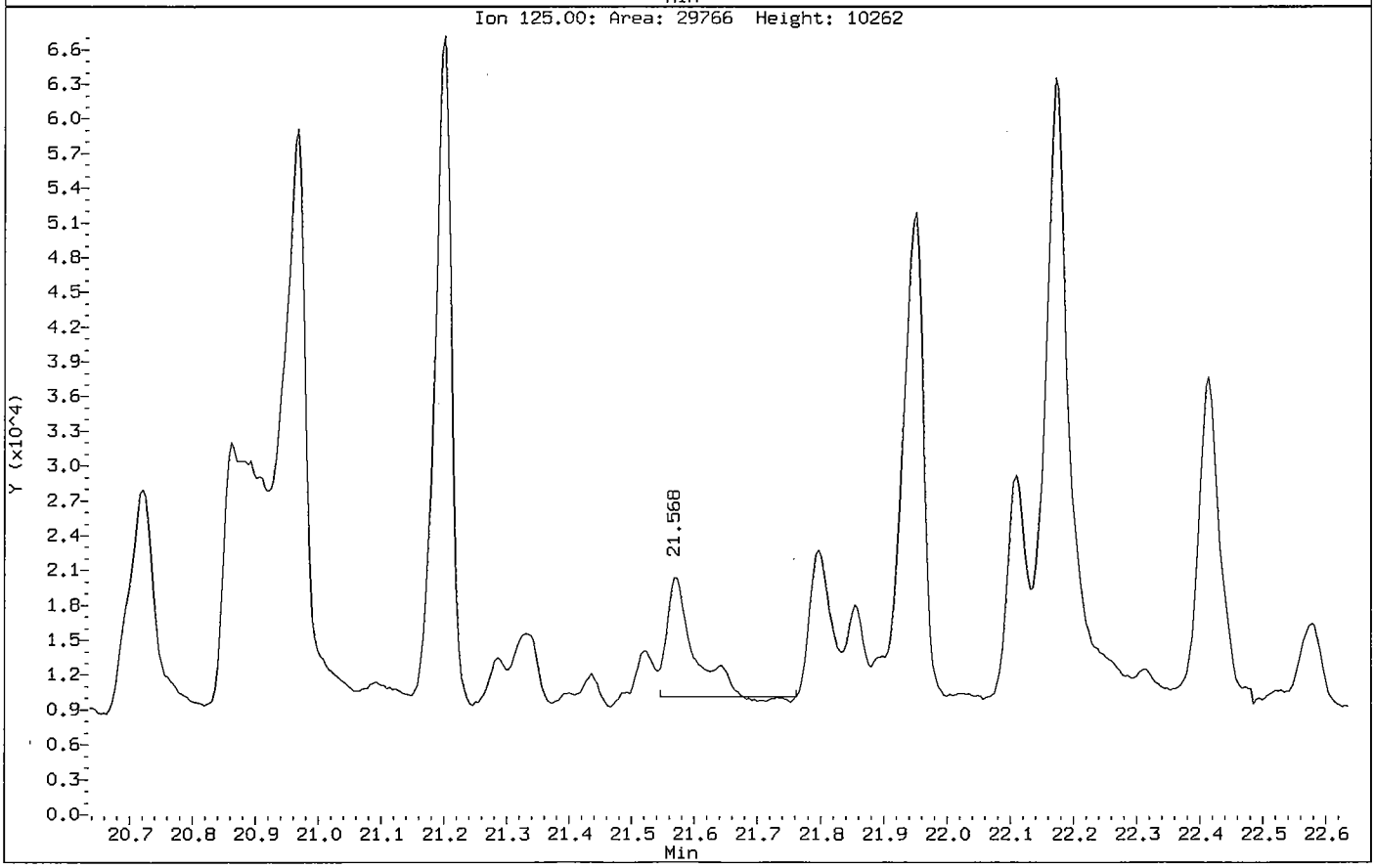
Instrument ID: 5972hp70.i
Injection Date and Time: 01-JUL-2010 15:37
Retention Time: 21.64
Operator ID: OWS

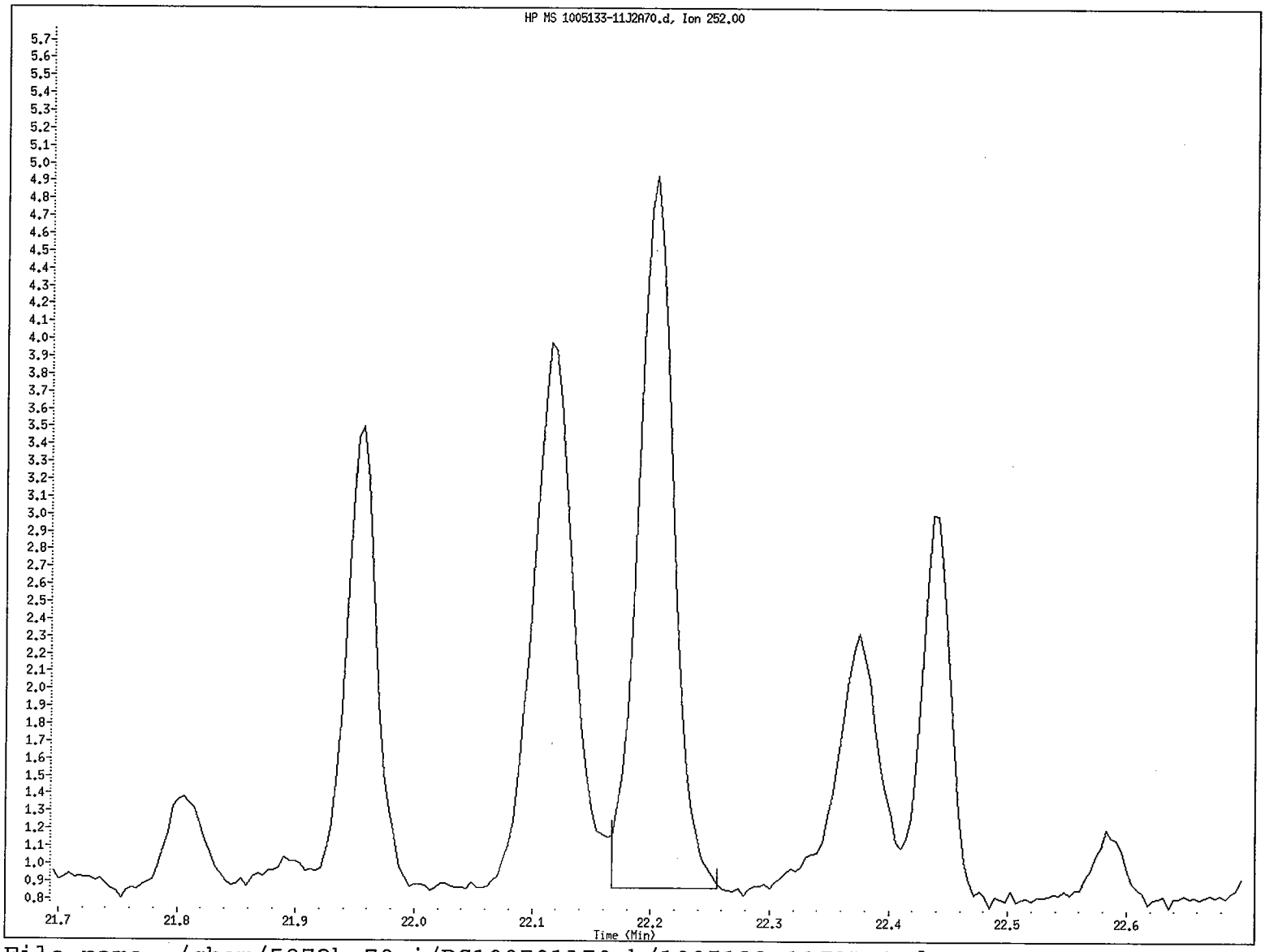
Data File: /chem/5972hp70.i/DS100701A70.b/1005133-11J2A70.d
Injection Date: 01-JUL-2010 15:37
Instrument: 5972hp70.i
Client Sample ID: SS67-0-1

Compound: Benzo(k)fluoranthene
CAS Number: 207-08-9





Benzo(a)pyrene CAS Number 50-32-8 Area = 8321 Manually integrated



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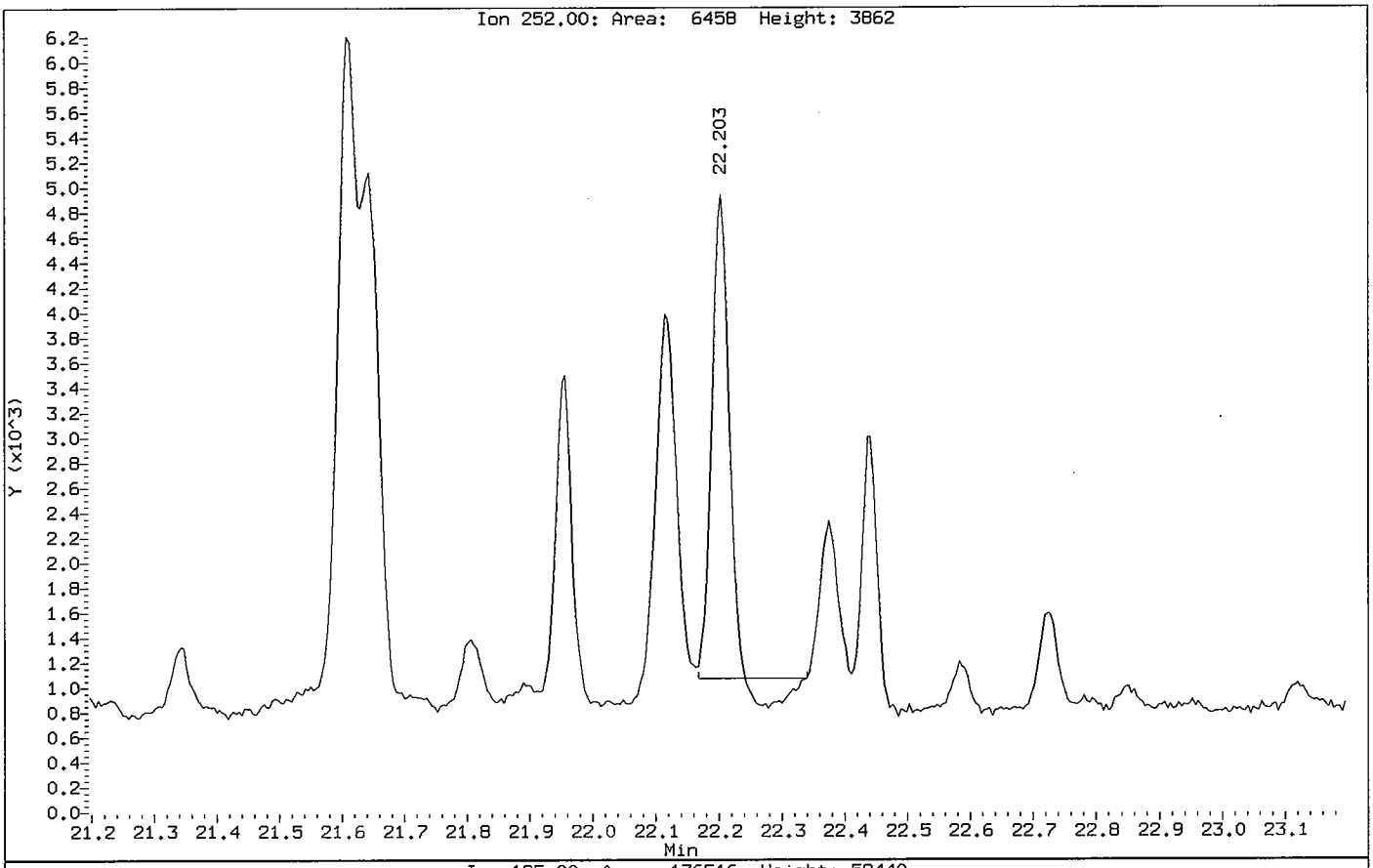
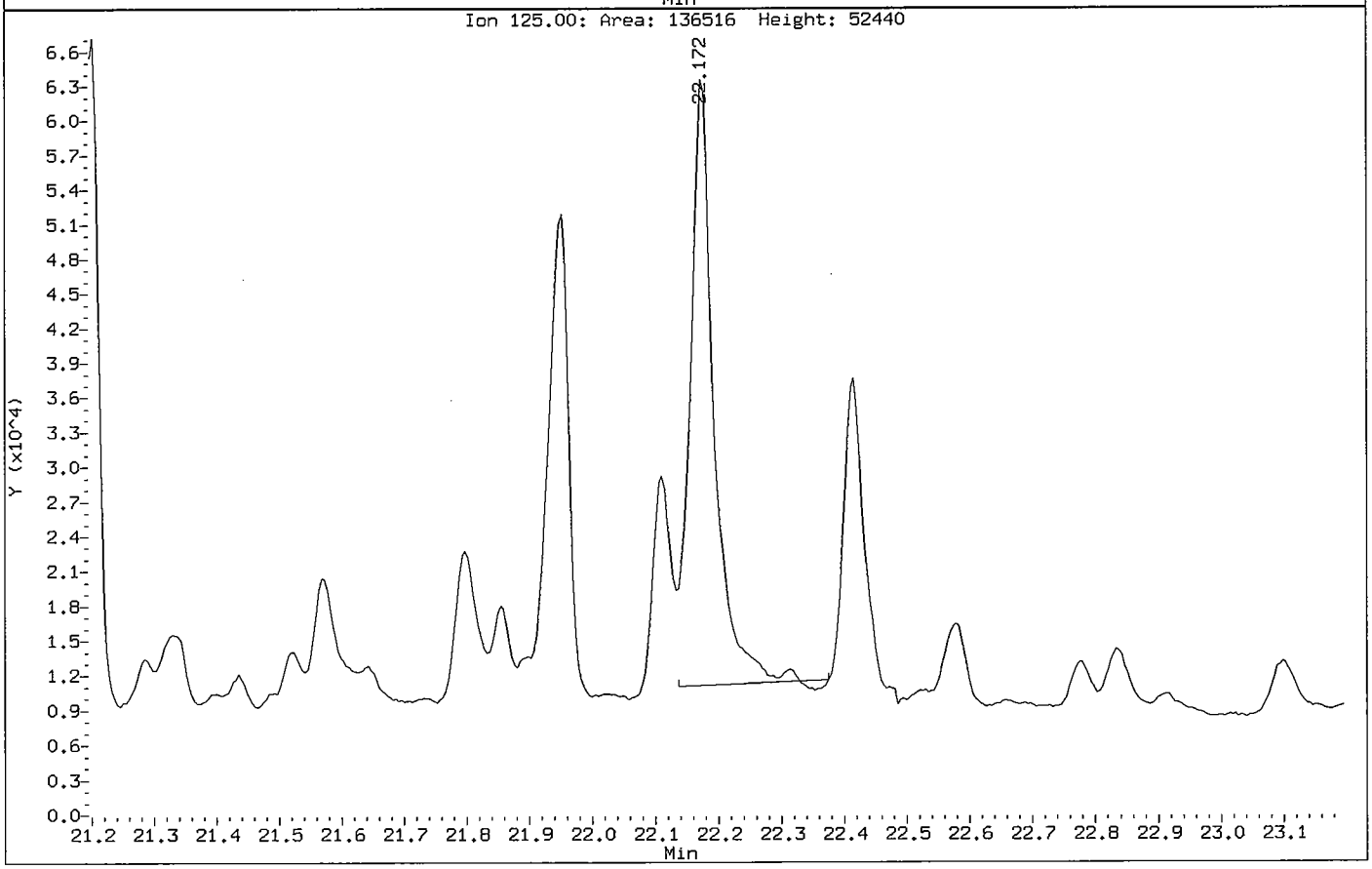
Client ID: SS67-0-1
Instrument ID: 5972hp70.i
Injection Date and Time: 01-JUL-2010 15:37
Retention Time: 22.20
Operator ID: OWS

Data File: /chem/5972hp70.i/DS100701A70.b/1005133-11J2A70.d
Injection Date: 01-JUL-2010 15:37
Instrument: 5972hp70.i
Client Sample ID: SS67-0-1

Compound: Benzo(a)pyrene
CAS Number: 50-32-8





Data File: /chem/5972hp70.i/DS100701A70.b/1005133-11J2A70.d

Date : 01-JUL-2010 15:37

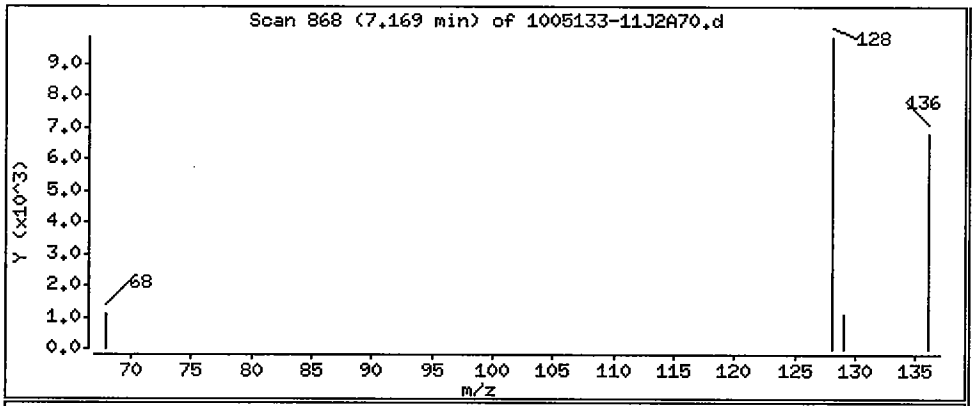
Client ID: SS67-0-1 Instrument: 5972hp70.i

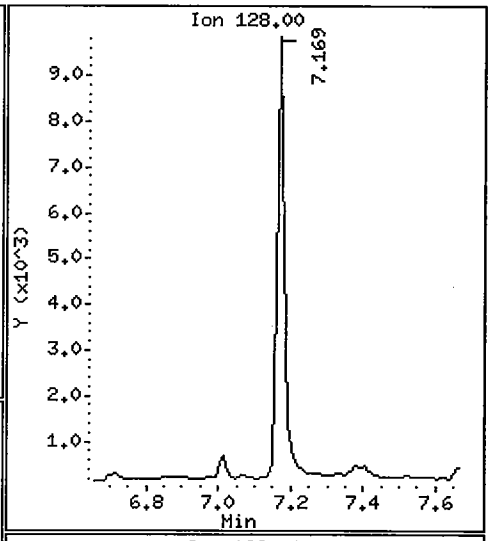
Sample Info: 1005133-11:OWS

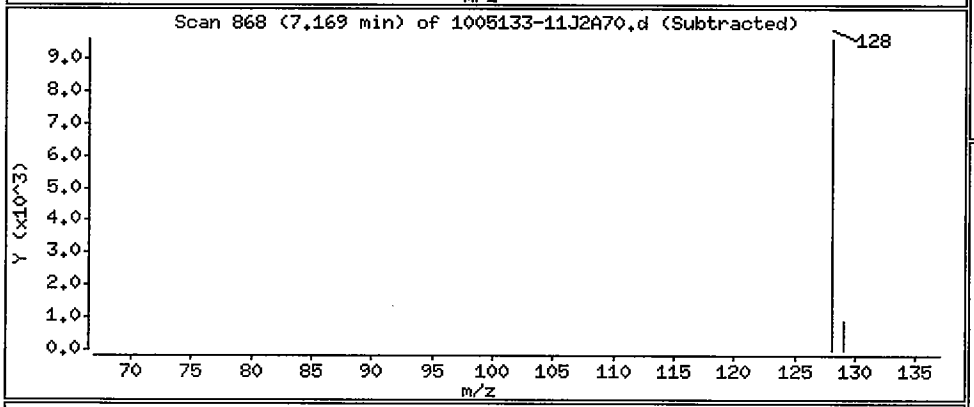
Volume Injected (uL): 2.0 Operator: OWS

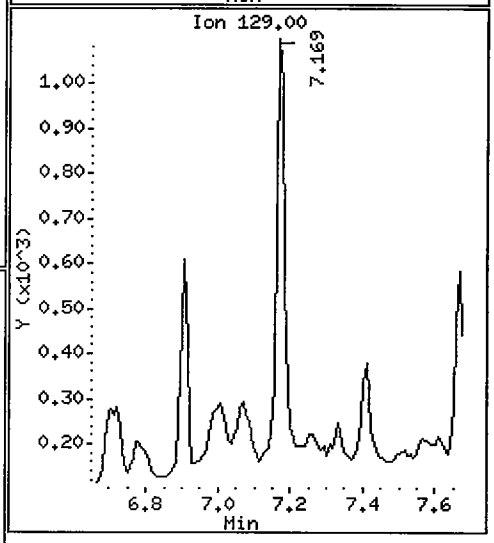
Column phase: Rtx-5MS Column diameter: 0.32

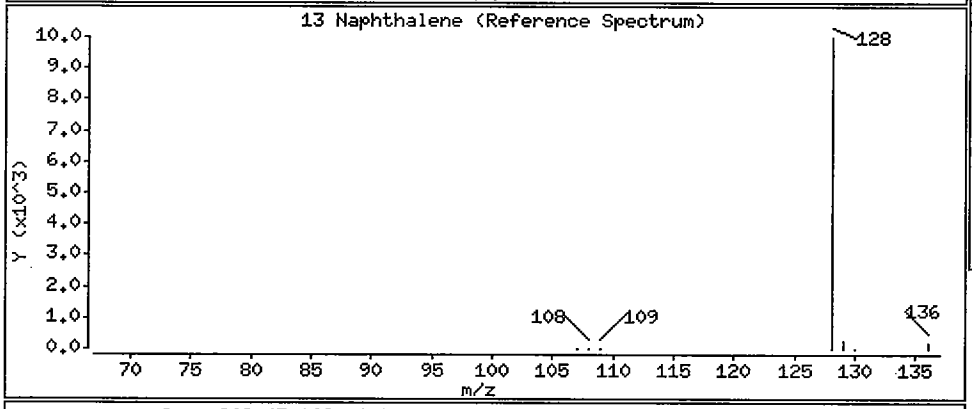
13 Naphthalene Concentration: 5.1 ug/Kg

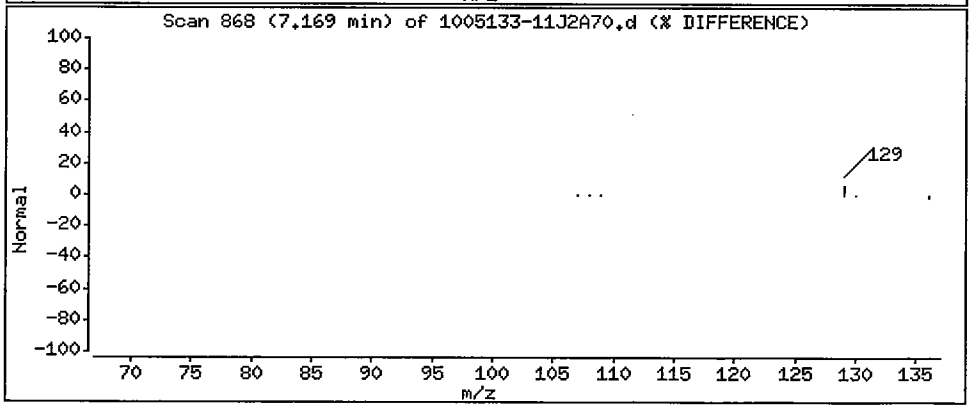












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-11J2A70.d

Date : 01-JUL-2010 15:37

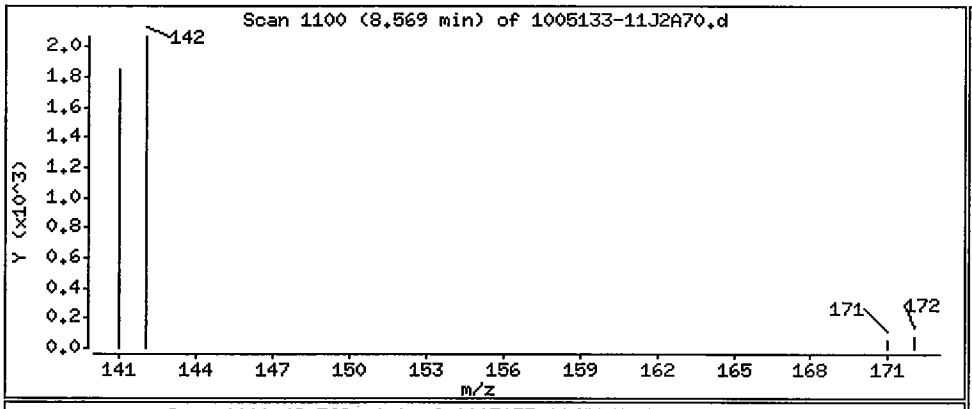
Client ID: SS67-0-1 Instrument: 5972hp70.i

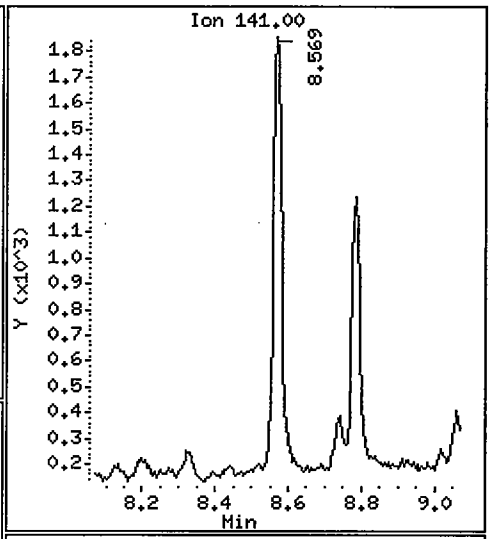
Sample Info: 1005133-11:OWS

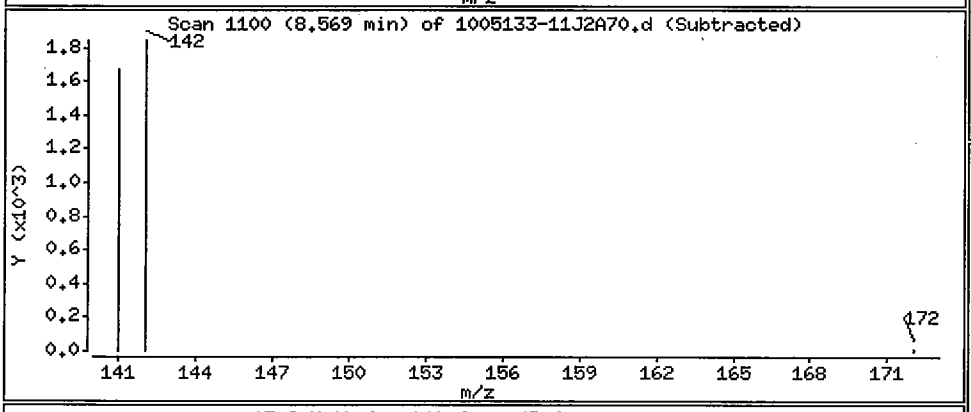
Volume Injected (uL): 2.0 Operator: OWS

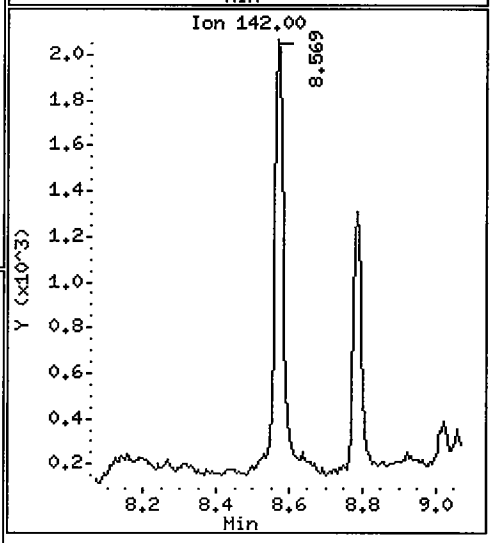
Column phase: Rtx-5MS Column diameter: 0.32

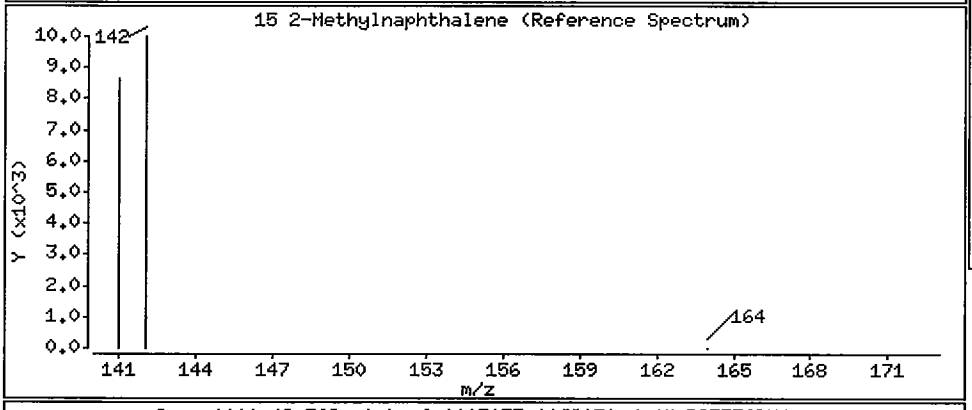
15 2-Methylnaphthalene Concentration: 2.1 ug/Kg

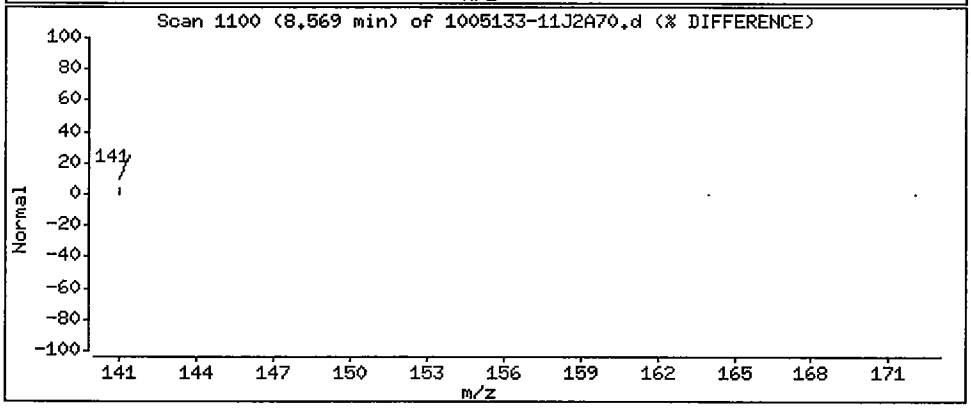












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-11J2A70.d

Date : 01-JUL-2010 15:37

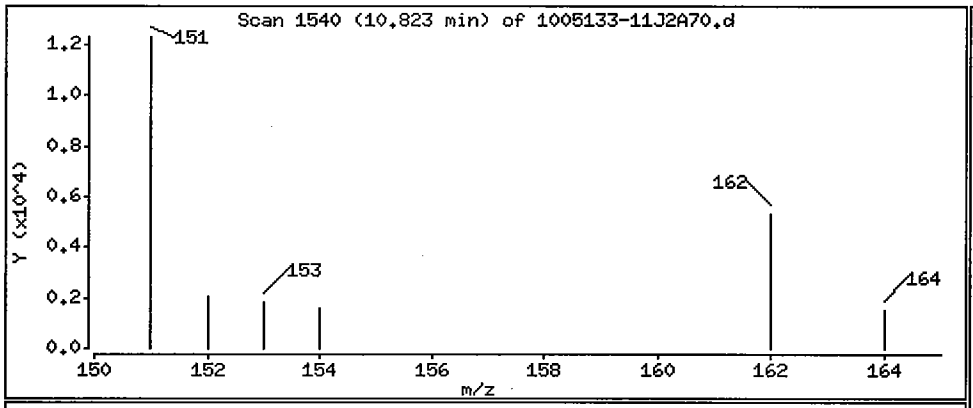
Client ID: SS67-0-1 Instrument: 5972hp70.i

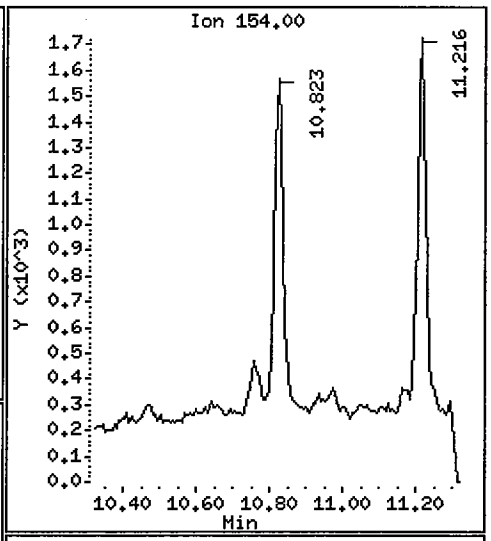
Sample Info: 1005133-11:OWS

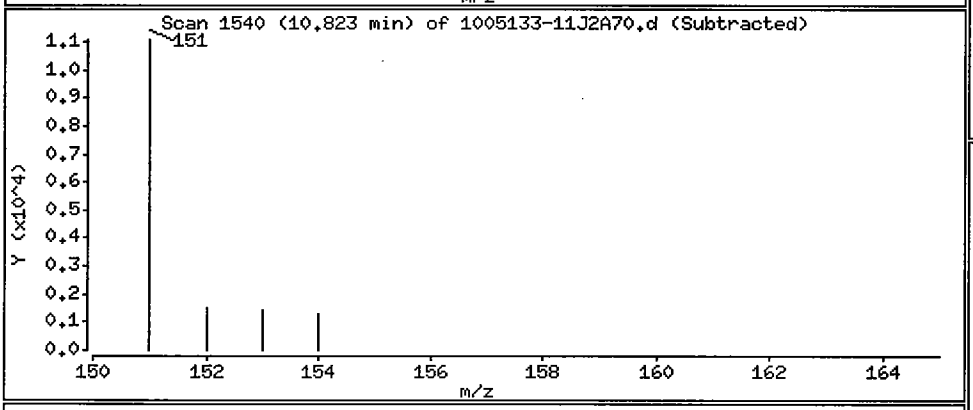
Volume Injected (uL): 2.0 Operator: OWS

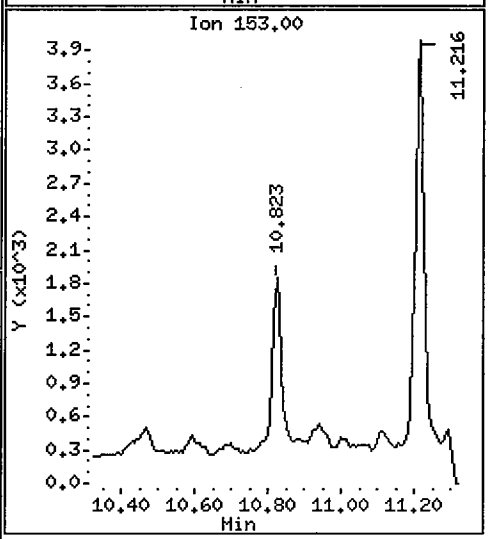
Column phase: Rtx-5MS Column diameter: 0.32

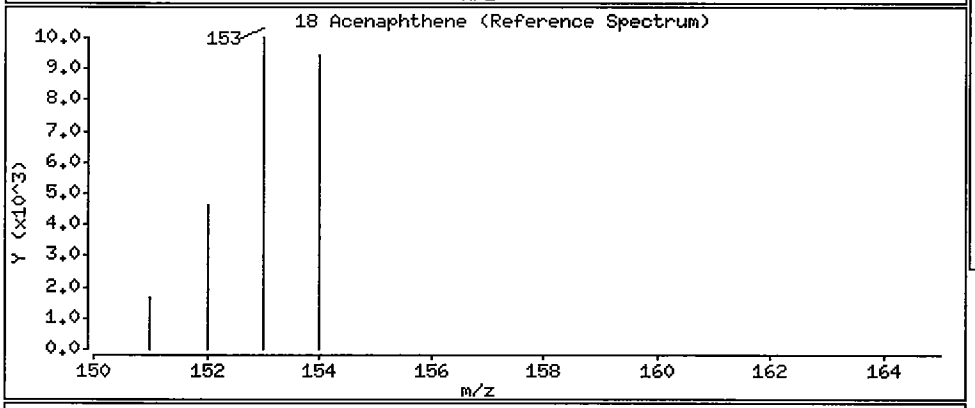
18 Acenaphthene Concentration: 1.5 ug/Kg

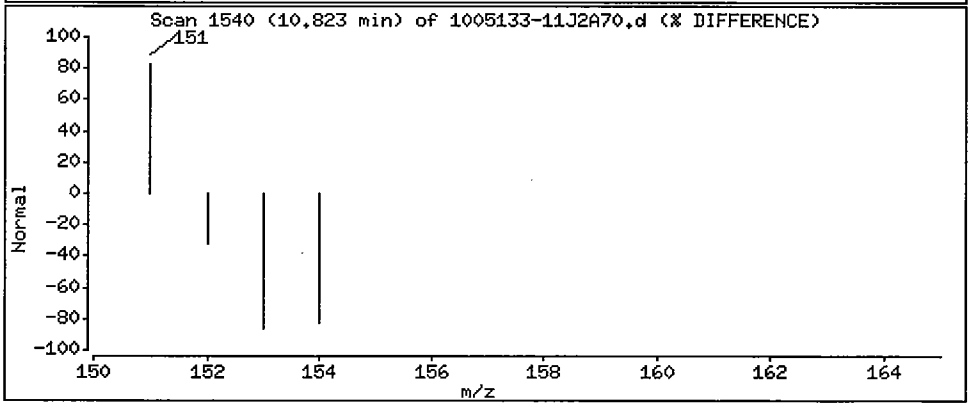












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-11J2A70.d

Date : 01-JUL-2010 15:37

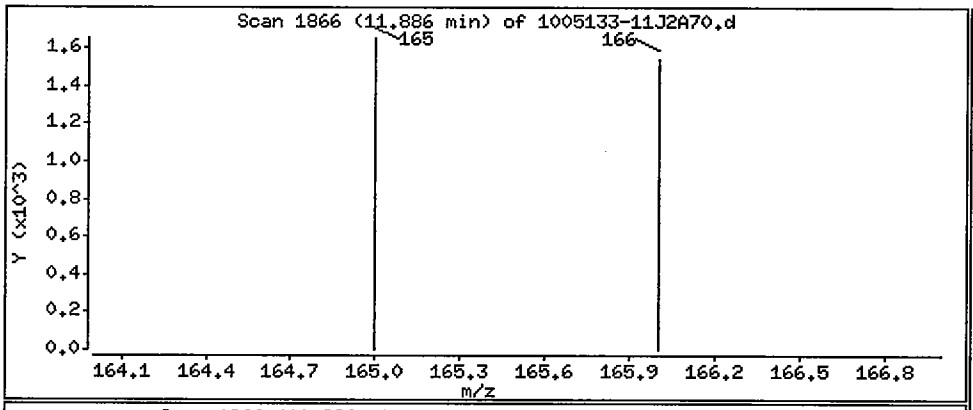
Client ID: SS67-0-1 Instrument: 5972hp70.i

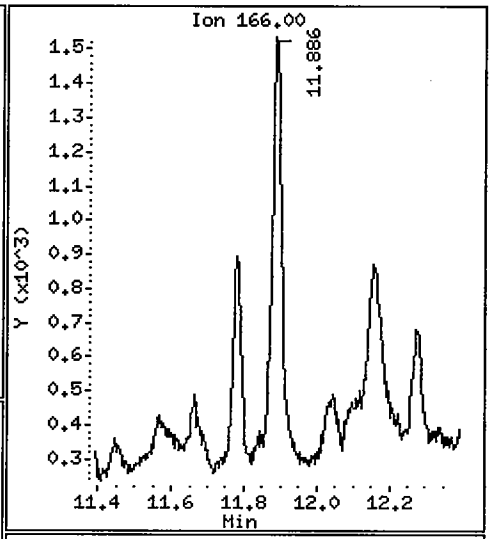
Sample Info: 1005133-11:OWS

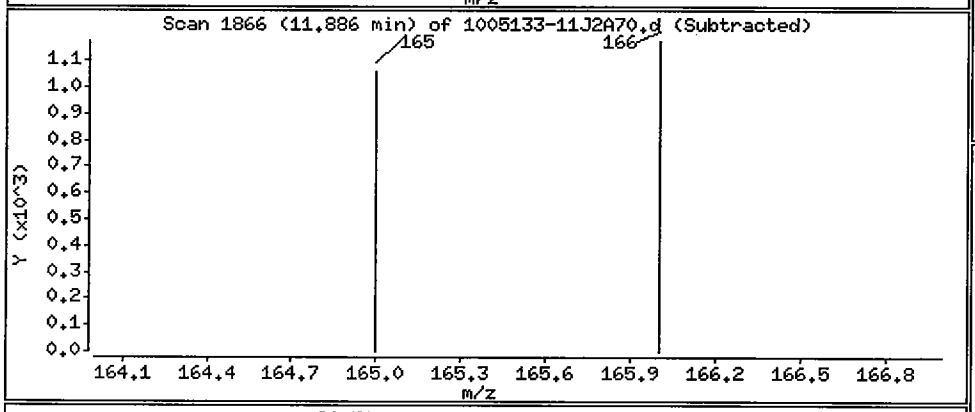
Volume Injected (uL): 2.0 Operator: OWS

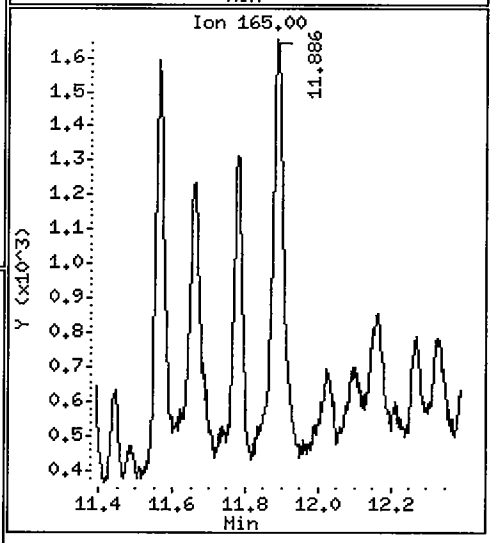
Column phase: Rtx-5MS Column diameter: 0.32

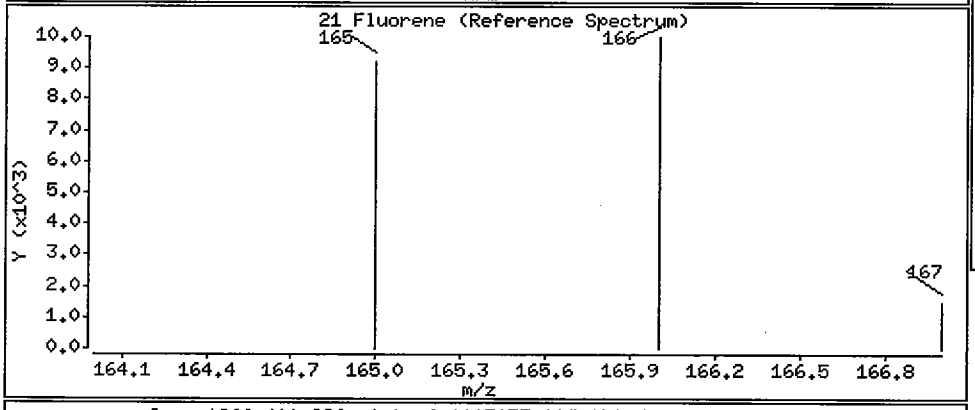
21 Fluorene Concentration: 1.1 ug/Kg

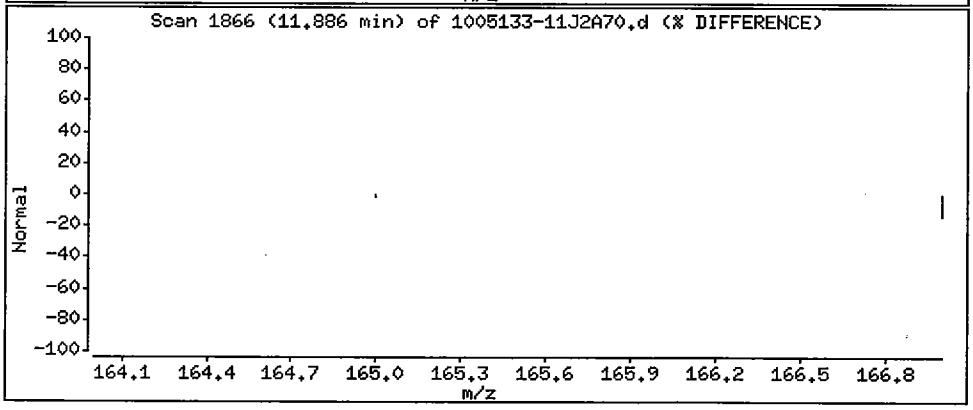












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-11J2A70.d

Date : 01-JUL-2010 15:37

Client ID: SS67-0-1

Instrument: 5972hp70.i

Sample Info: 1005133-11:OWS

Volume Injected (uL): 2.0

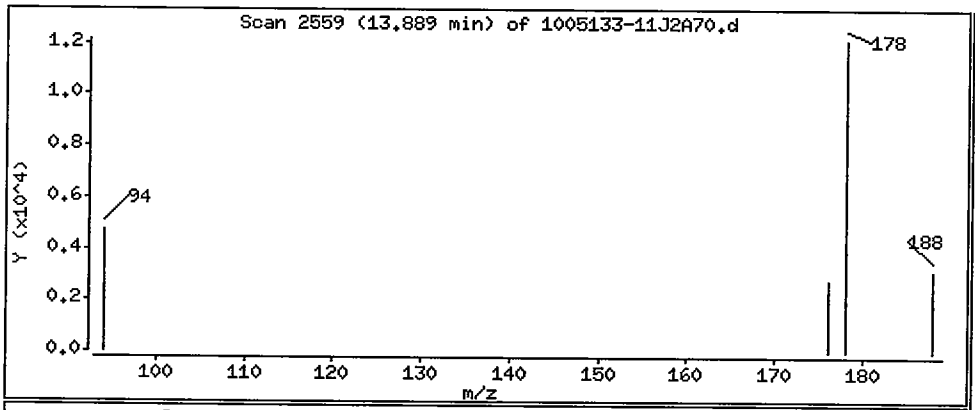
Operator: OWS

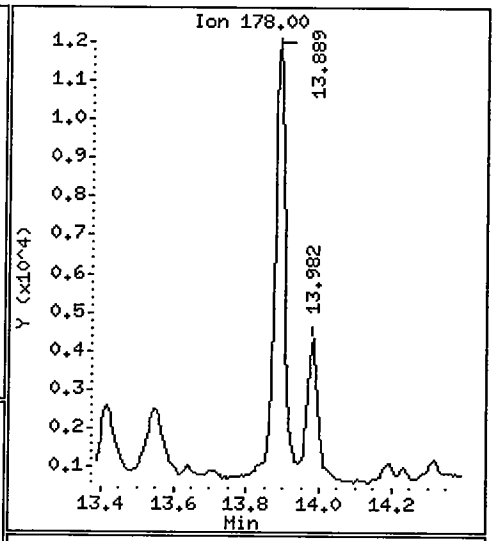
Column phase: Rtx-5MS

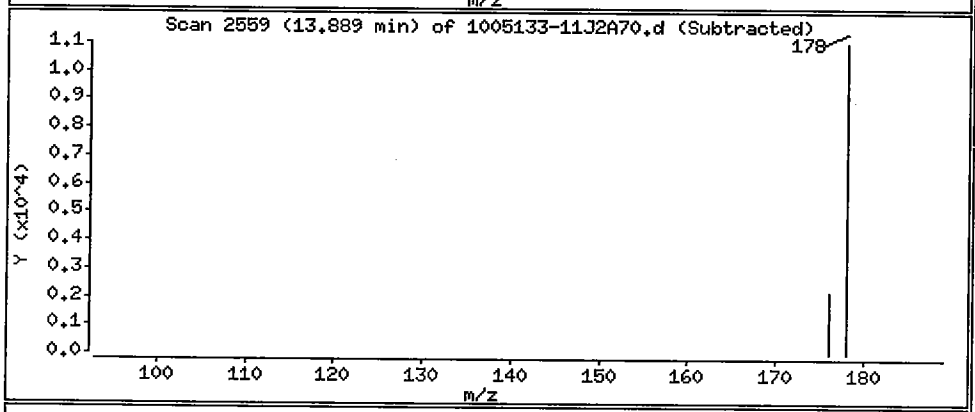
Column diameter: 0.32

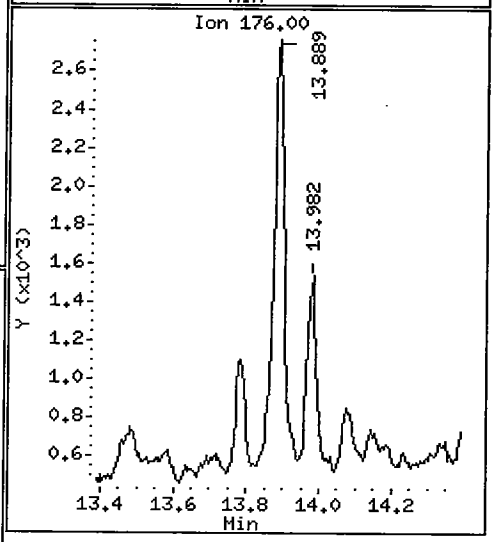
25 Phenanthrene

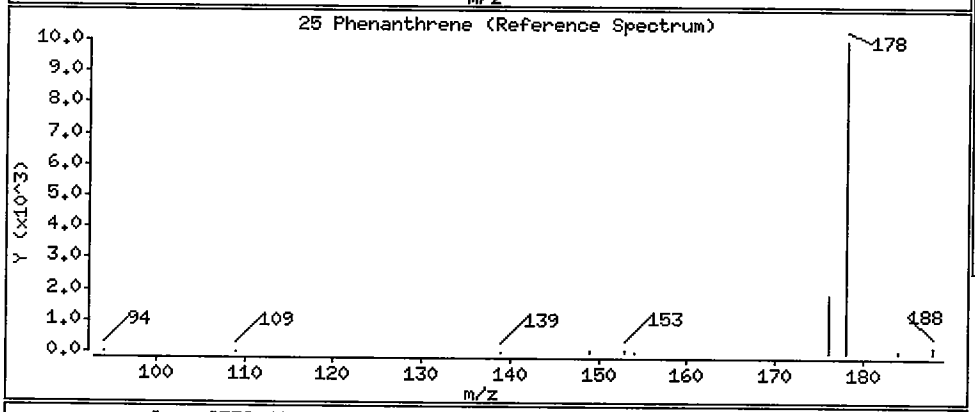
Concentration: 7.6 ug/Kg

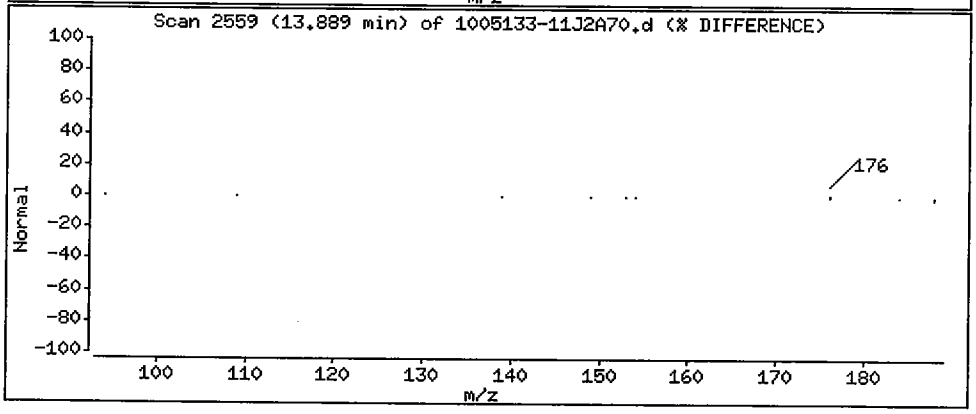












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-11J2A70.d

Date : 01-JUL-2010 15:37

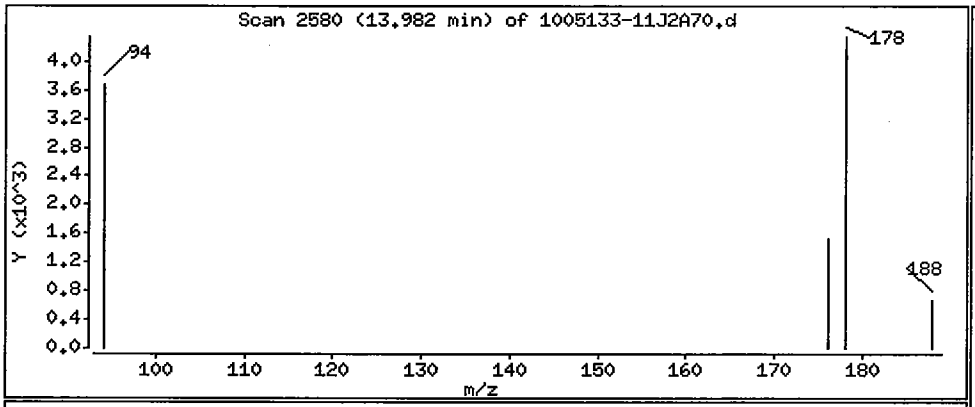
Client ID: SS67-0-1 Instrument: 5972hp70.i

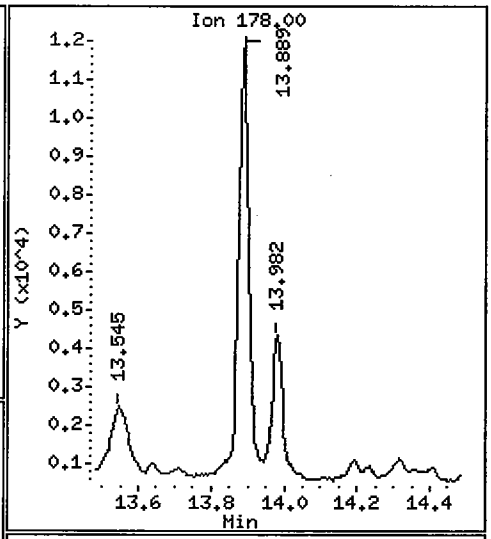
Sample Info: 1005133-11:OWS

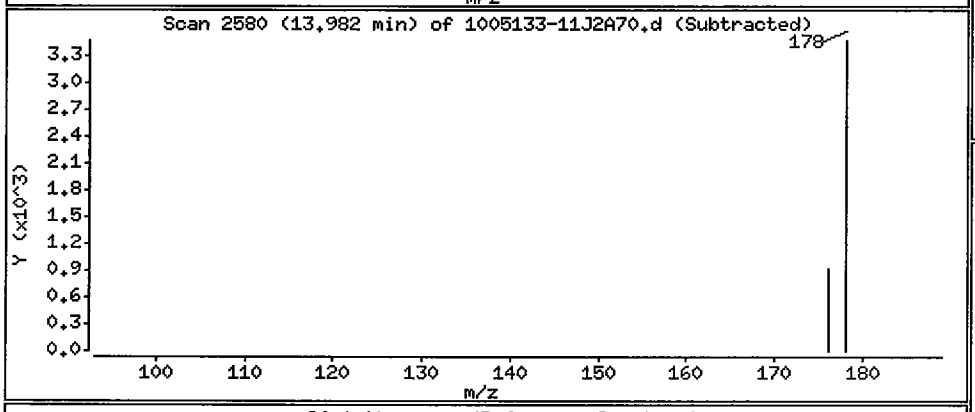
Volume Injected (uL): 2.0 Operator: OWS

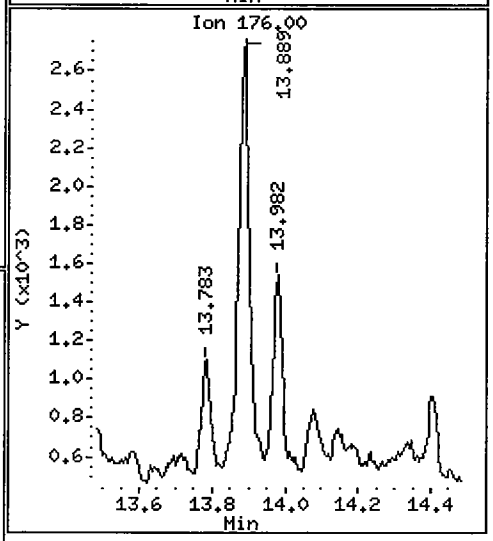
Column phase: Rtx-5MS Column diameter: 0.32

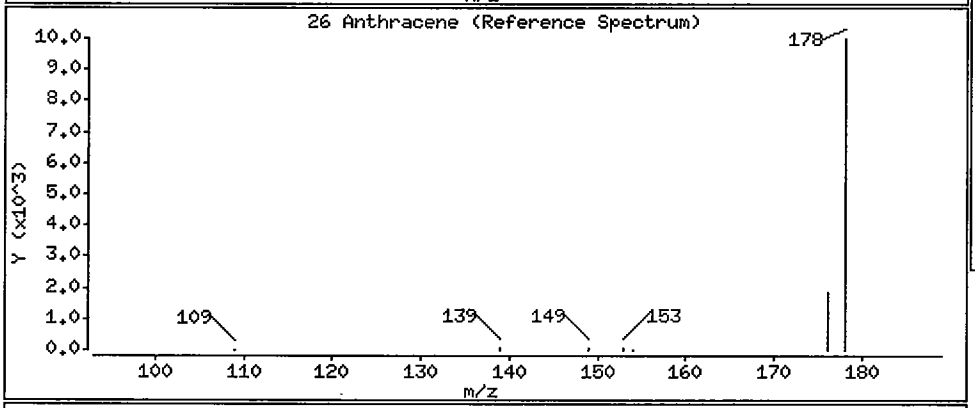
26 Anthracene Concentration: 3.4 ug/Kg

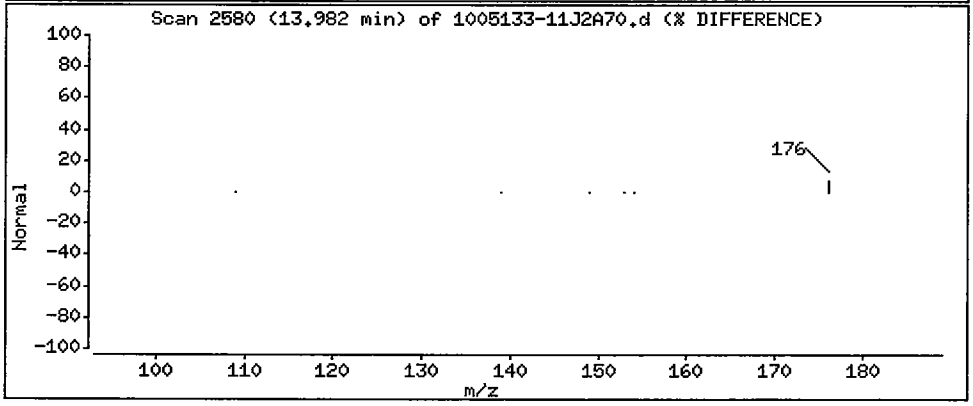












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-11J2A70.d

Date : 01-JUL-2010 15:37

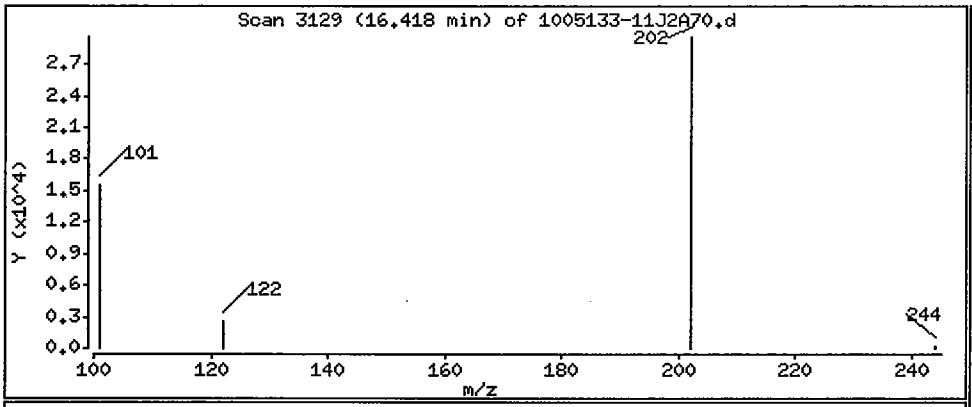
Client ID: SS67-0-1 Instrument: 5972hp70.i

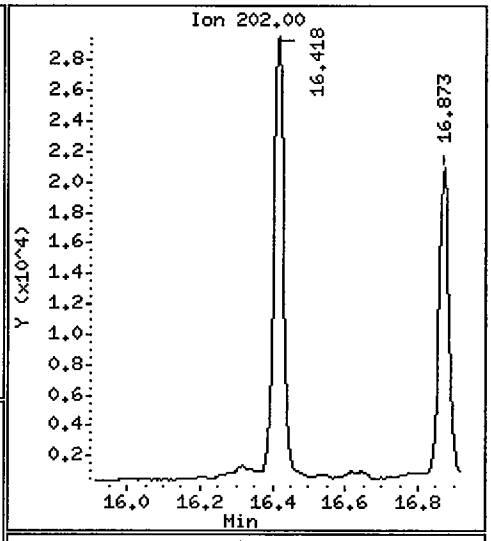
Sample Info: 1005133-11:OWS

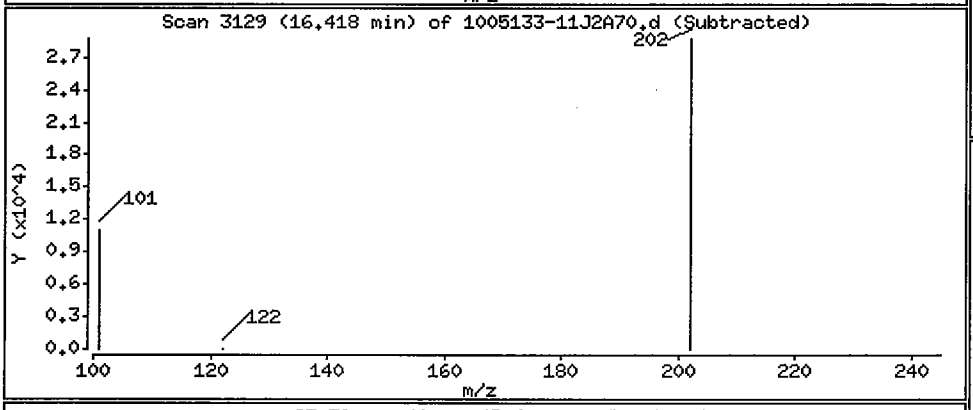
Volume Injected (uL): 2.0 Operator: OWS

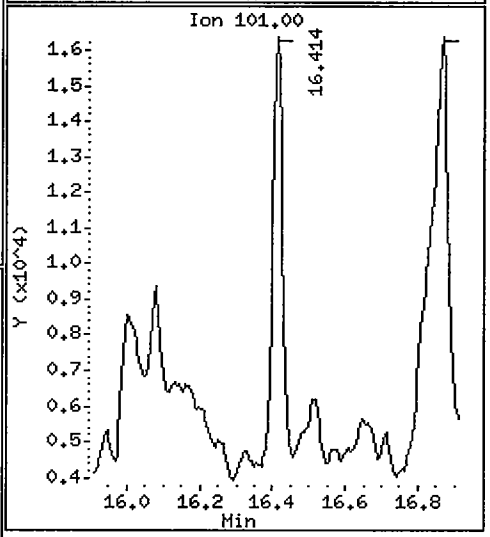
Column phase: Rtx-5MS Column diameter: 0.32

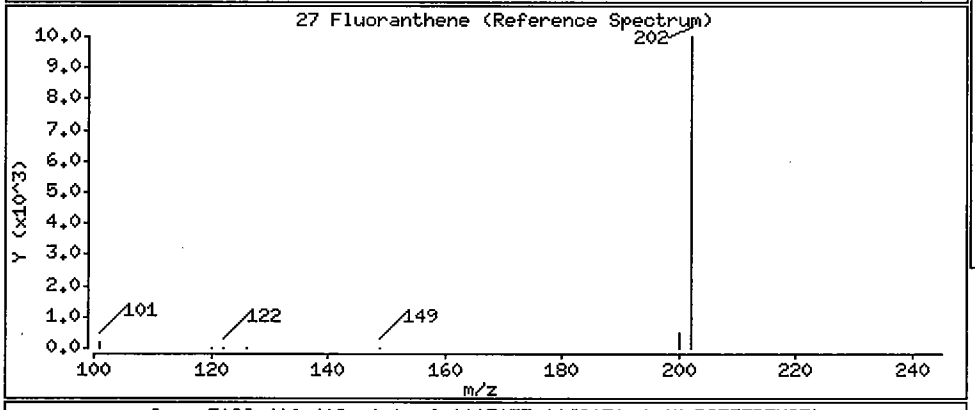
27 Fluoranthene Concentration: 22 ug/Kg

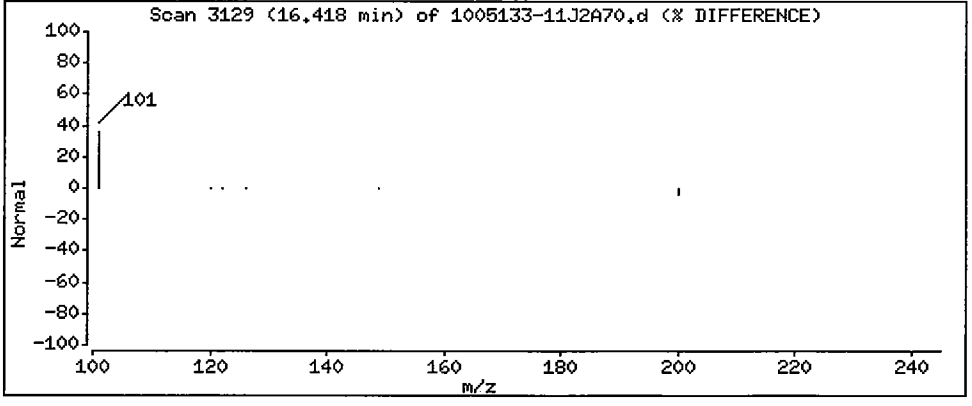












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-11J2A70.d

Date : 01-JUL-2010 15:37

Client ID: SS67-0-1

Instrument: 5972hp70.i

Sample Info: 1005133-11:OWS

Volume Injected (uL): 2.0

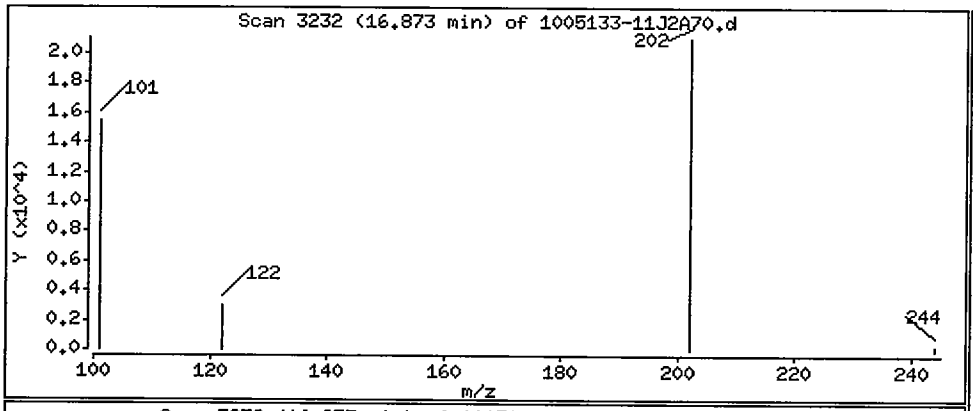
Operator: OWS

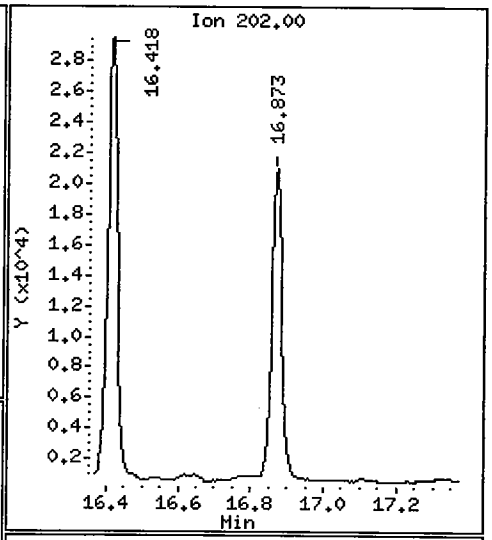
Column phase: Rtx-5MS

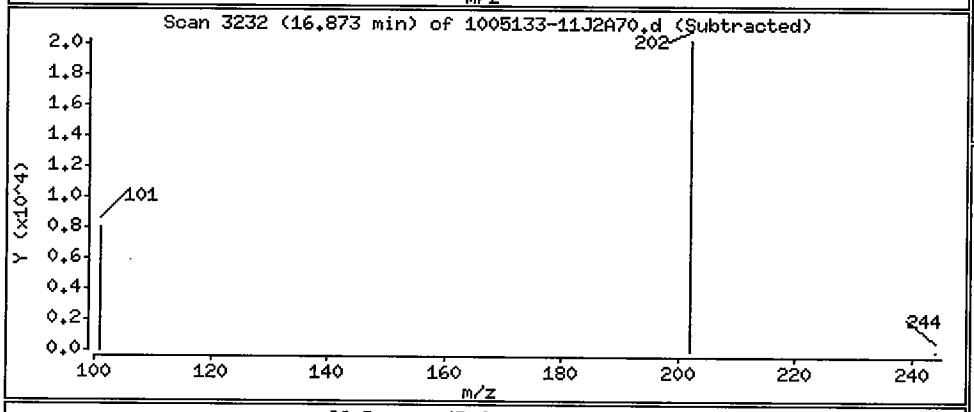
Column diameter: 0.32

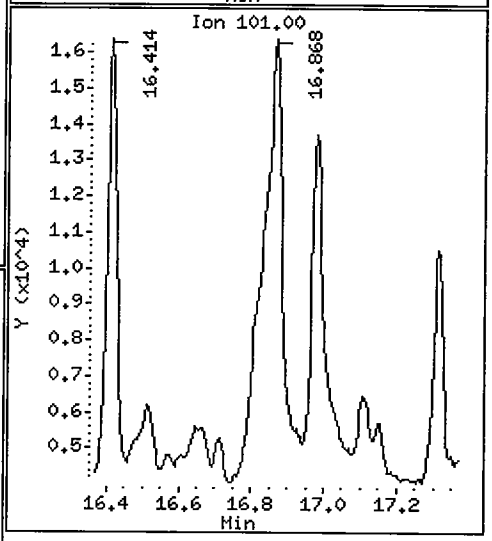
28 Pyrene

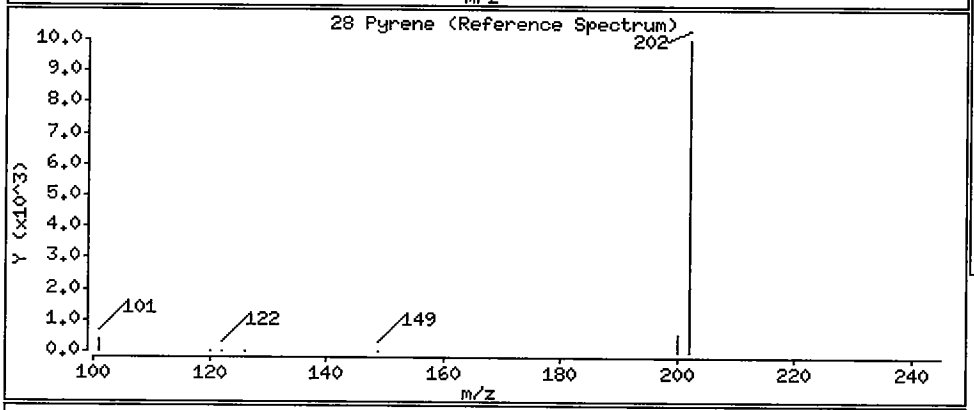
Concentration: 17 ug/Kg

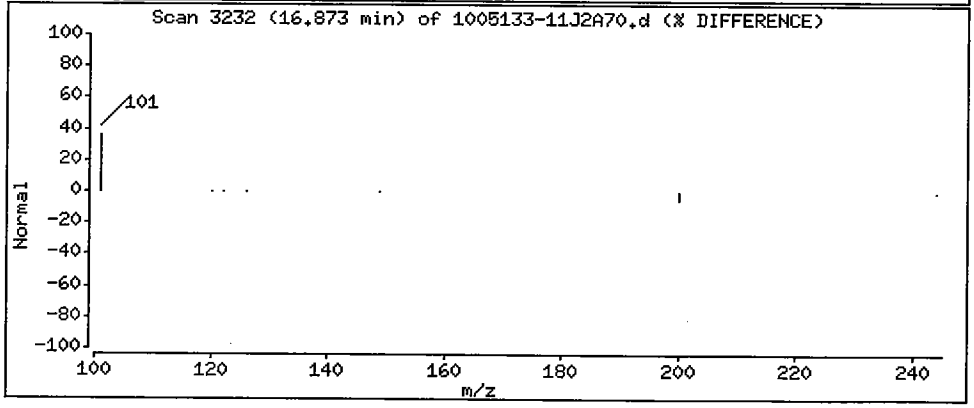












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-11J2A70.d

Date : 01-JUL-2010 15:37

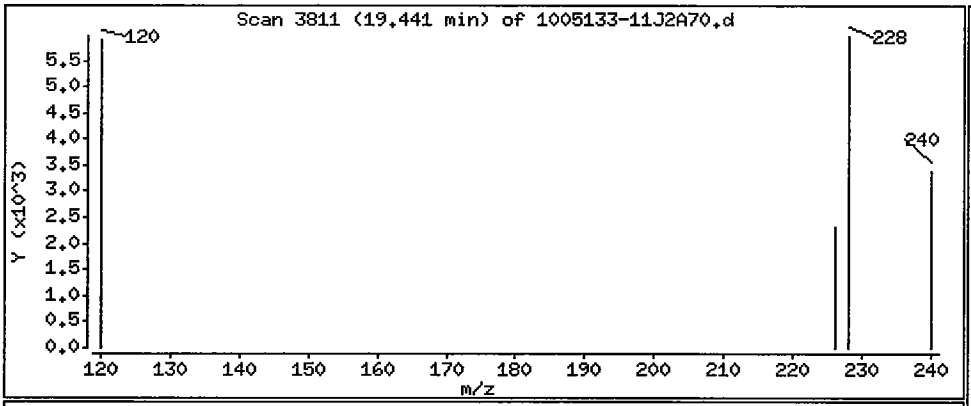
Client ID: SS67-0-1 Instrument: 5972hp70.i

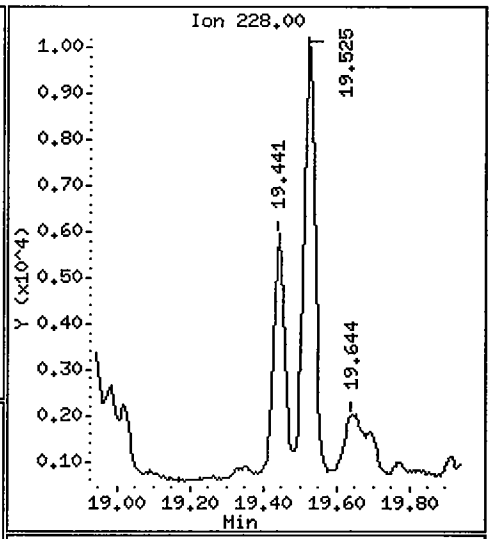
Sample Info: 1005133-11:OWS

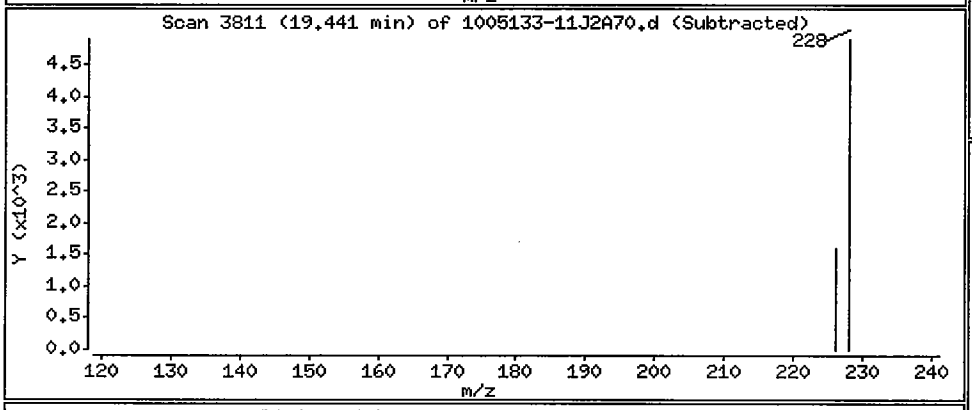
Volume Injected (uL): 2.0 Operator: OWS

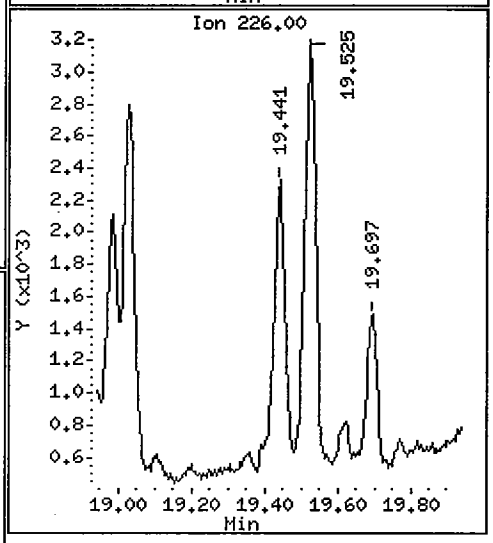
Column phase: Rtx-5MS Column diameter: 0.32

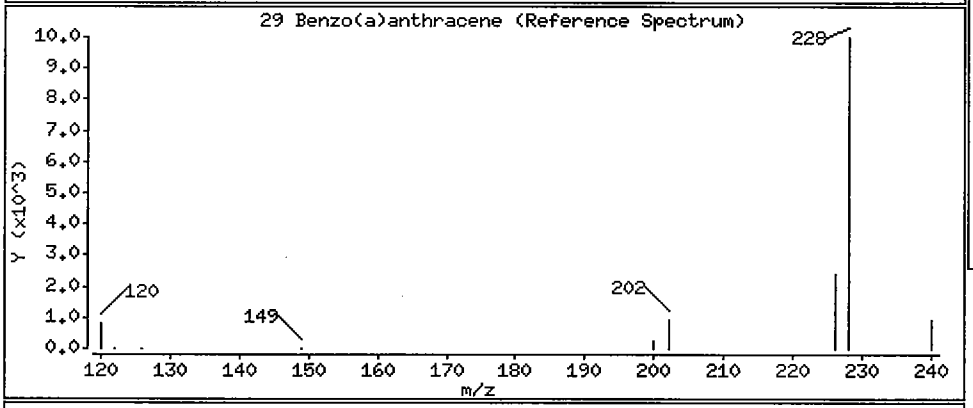
29 Benzo(a)anthracene Concentration: 6.3 ug/Kg

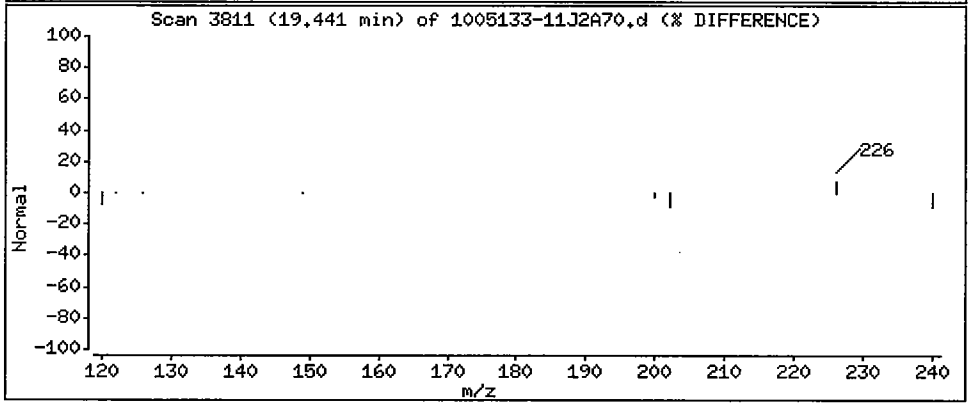












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-11J2A70.d

Date : 01-JUL-2010 15:37

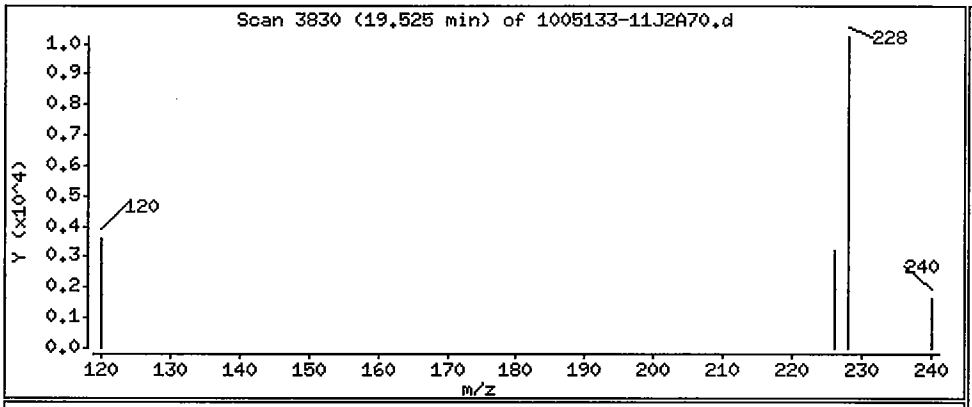
Client ID: SS67-0-1 Instrument: 5972hp70.i

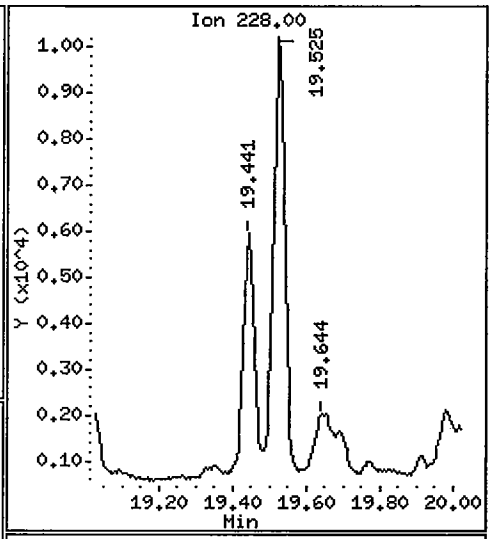
Sample Info: 1005133-11:OWS

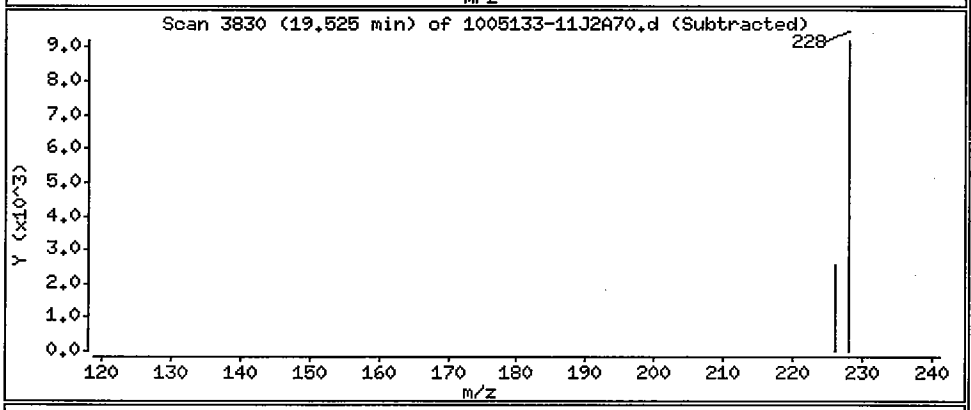
Volume Injected (uL): 2.0 Operator: OWS

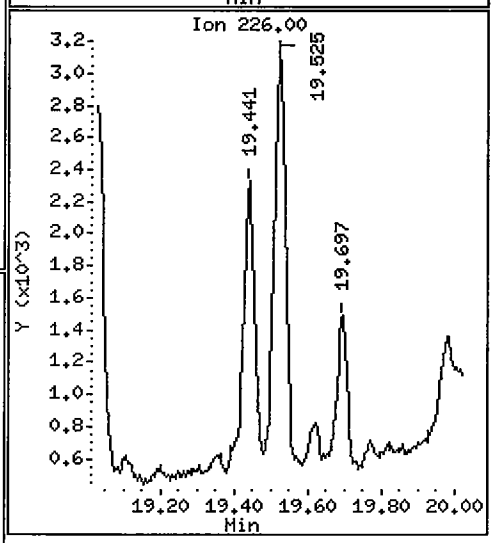
Column phase: Rtx-5MS Column diameter: 0.32

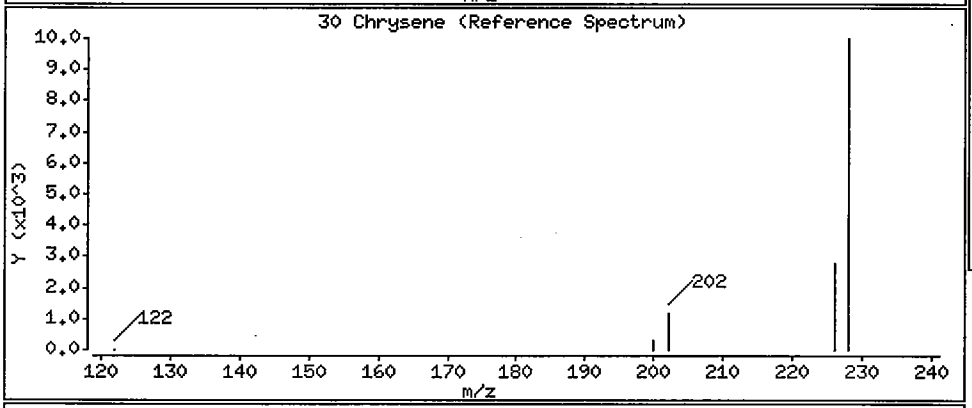
30 Chrysene Concentration: 9.8 ug/Kg

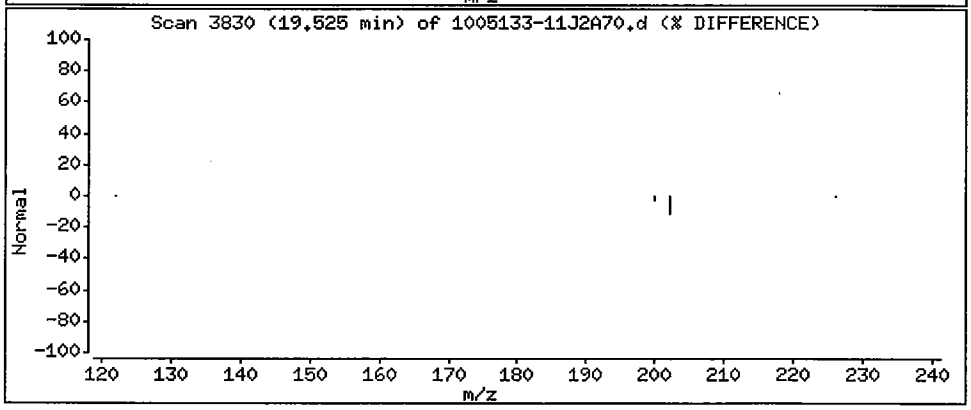












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-11J2A70.d

Date : 01-JUL-2010 15:37

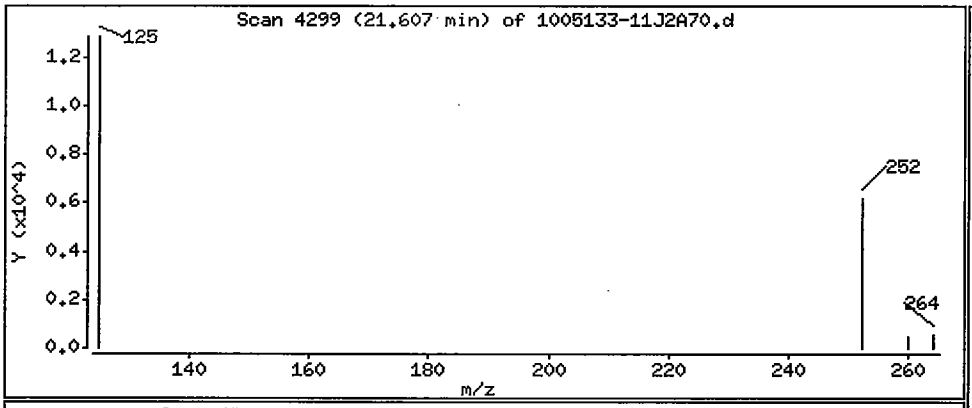
Client ID: SS67-0-1 Instrument: 5972hp70.i

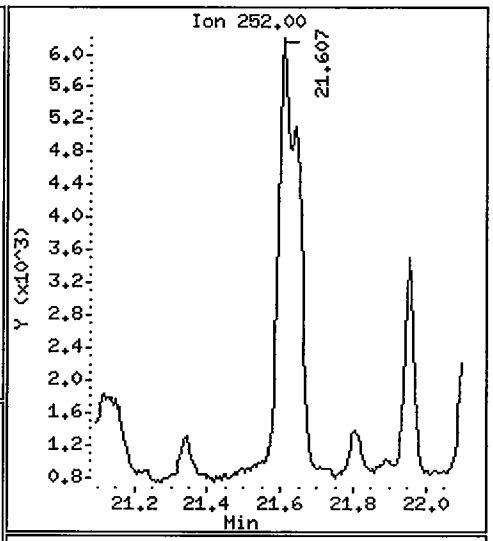
Sample Info: 1005133-11:OWS

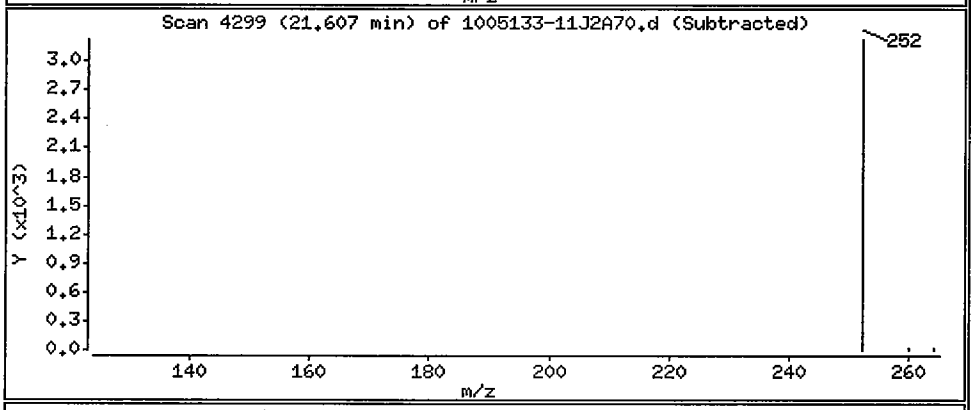
Volume Injected (uL): 2.0 Operator: OWS

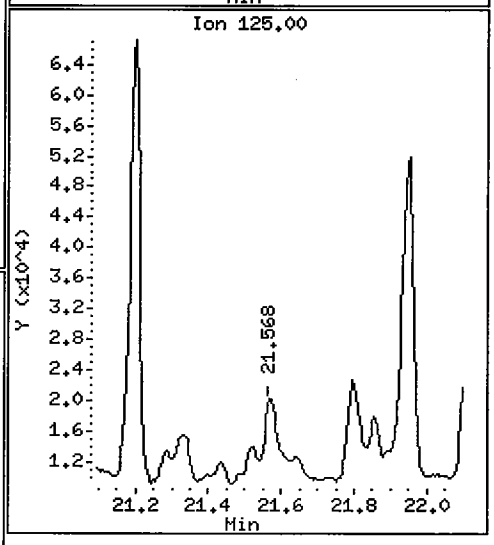
Column phase: Rtx-5MS Column diameter: 0.32

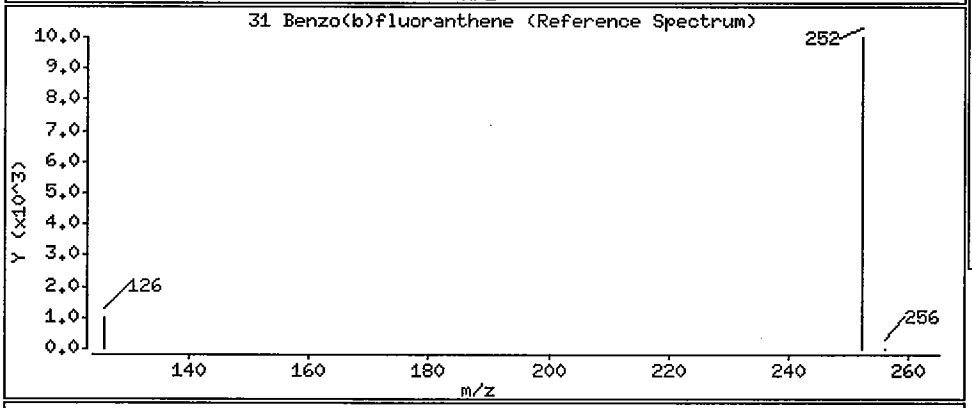
31 Benzo(b)fluoranthene Concentration: 7.8 ug/Kg

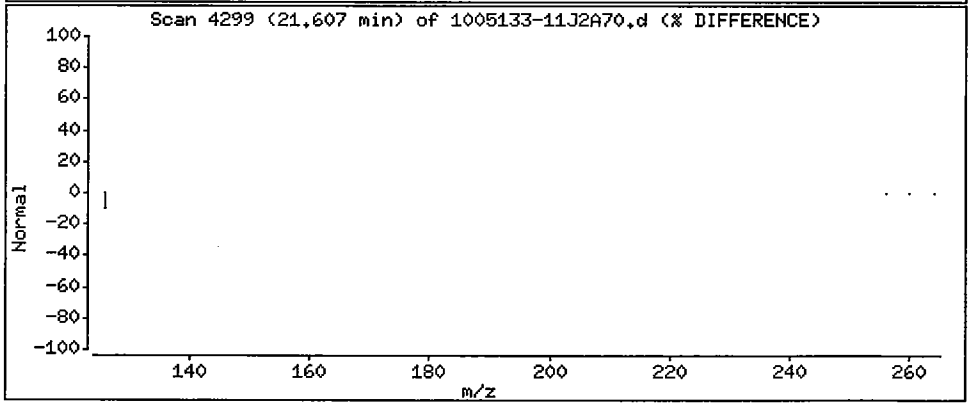












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-11J2A70.d

Date : 01-JUL-2010 15:37

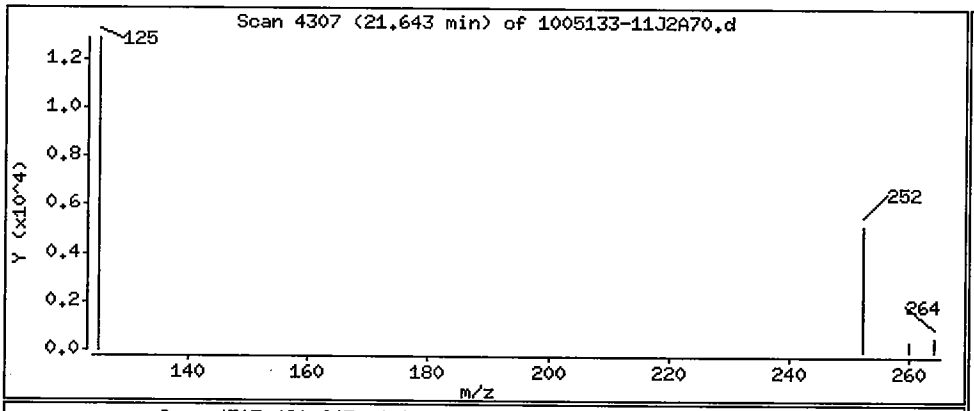
Client ID: SS67-0-1 Instrument: 5972hp70.i

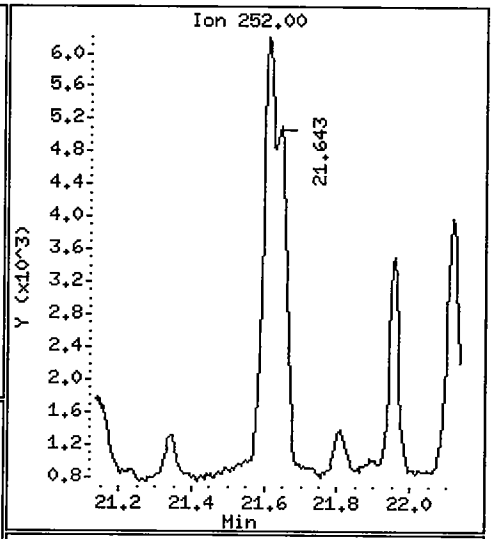
Sample Info: 1005133-11:OWS

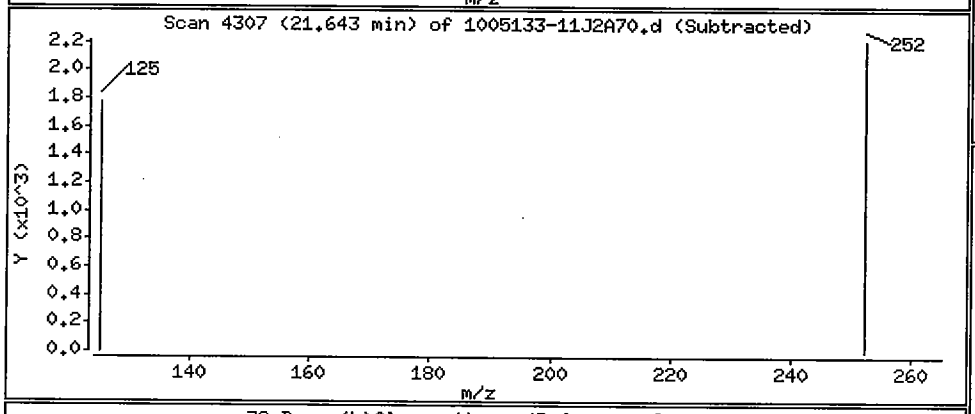
Volume Injected (uL): 2.0 Operator: OWS

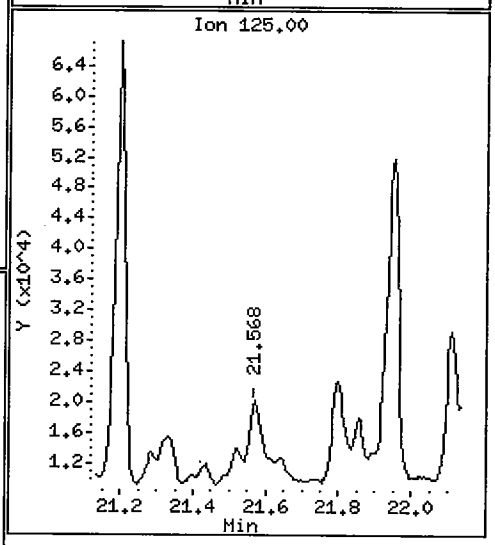
Column phase: Rtx-5MS Column diameter: 0.32

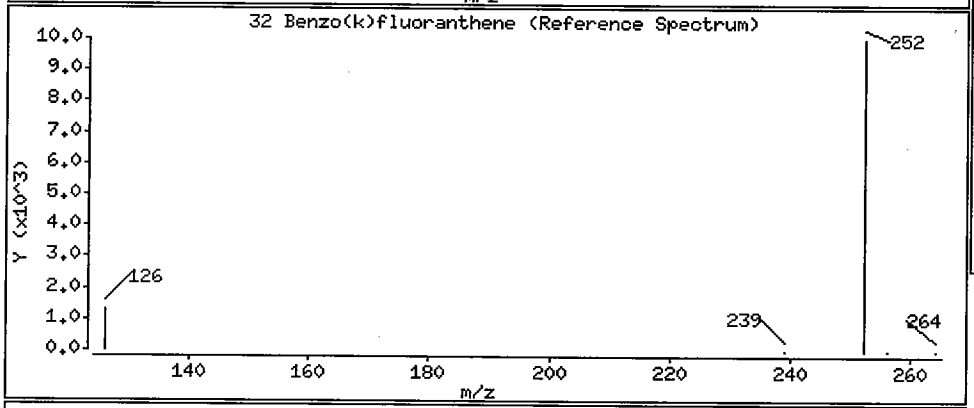
32 Benzo(k)fluoranthene Concentration: 4.7 ug/Kg

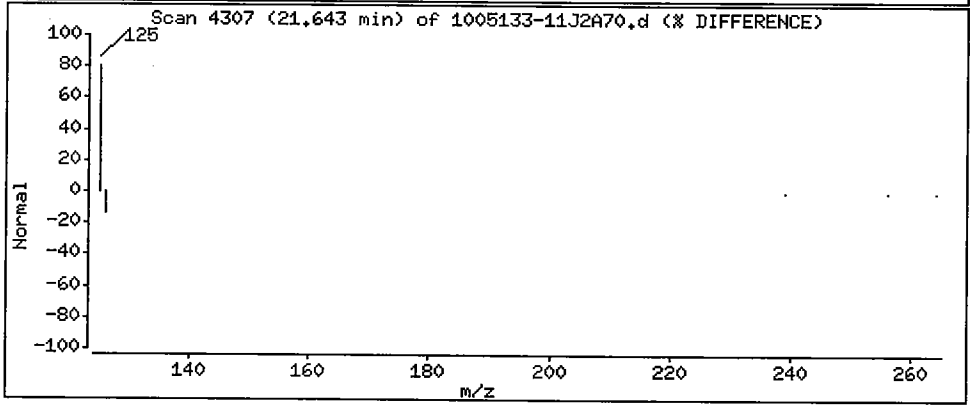












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-11J2A70.d

Date : 01-JUL-2010 15:37

Client ID: SS67-0-1

Instrument: 5972hp70.i

Sample Info: 1005133-11:OWS

Volume Injected (uL): 2.0

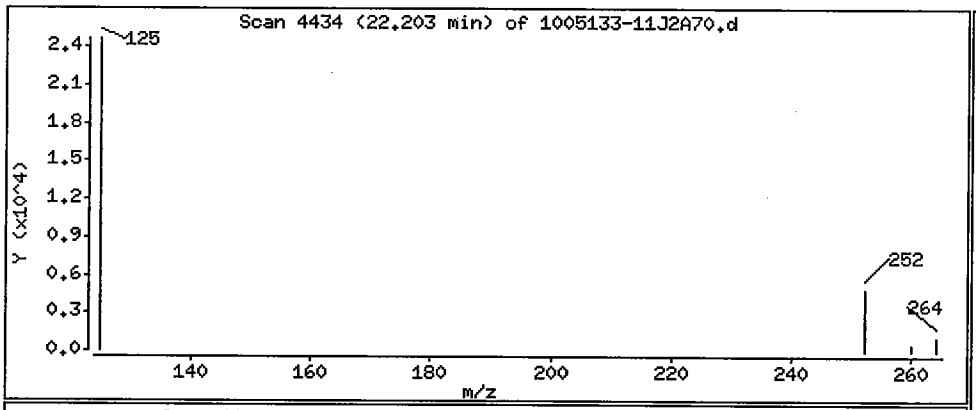
Operator: OWS

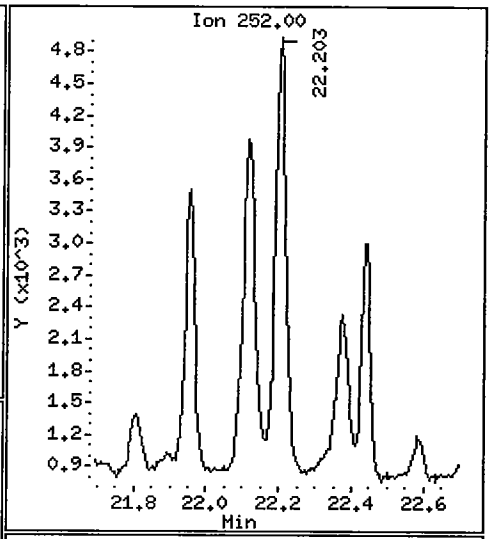
Column phase: Rtx-5MS

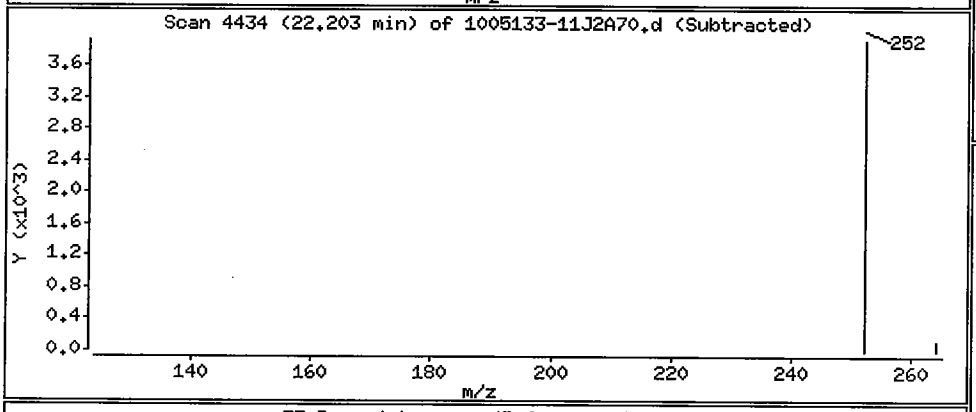
Column diameter: 0.32

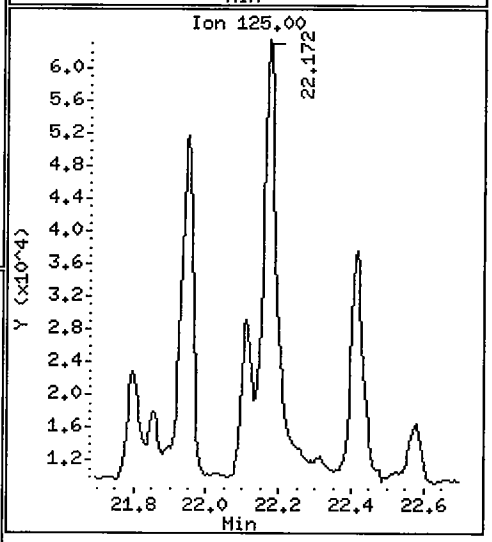
33 Benzo(a)pyrene

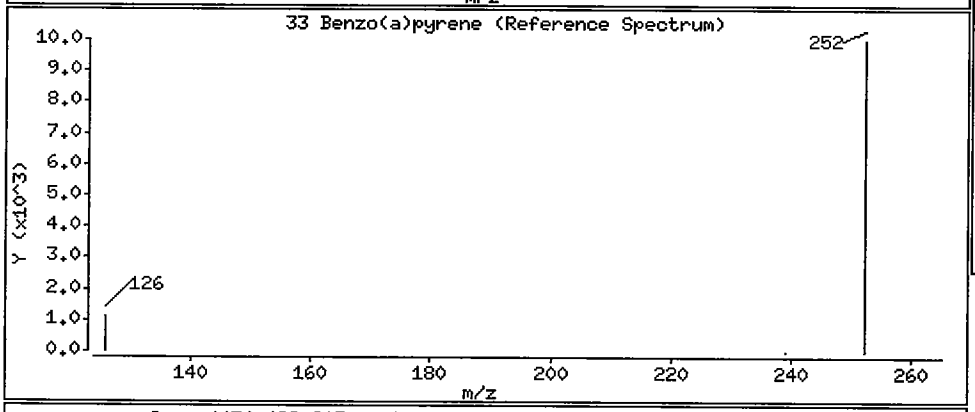
Concentration: 5.7 ug/Kg

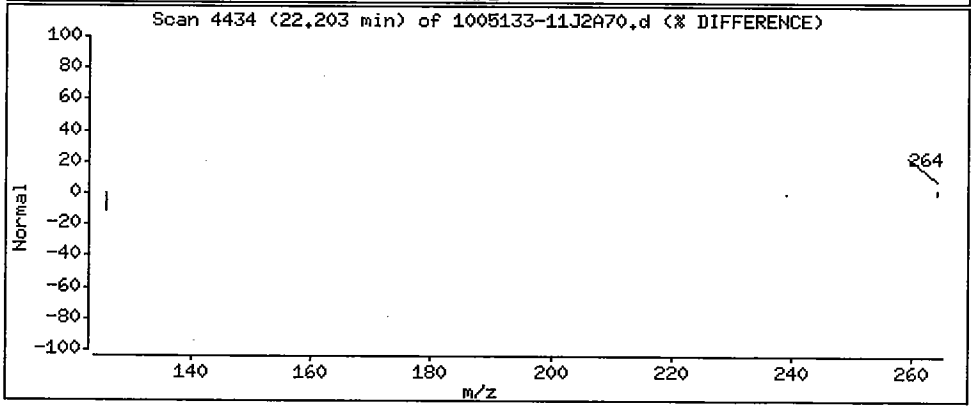












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-11J2A70.d

Date : 01-JUL-2010 15:37

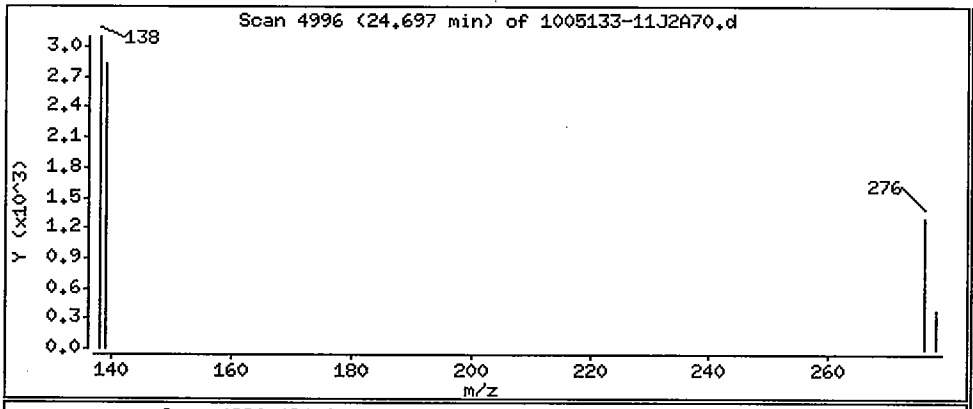
Client ID: SS67-0-1 Instrument: 5972hp70.i

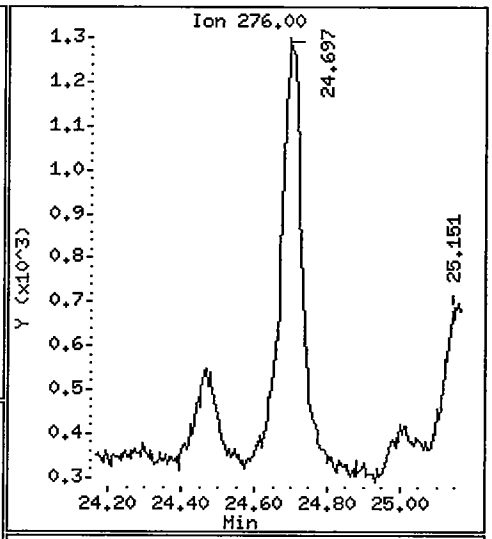
Sample Info: 1005133-11:OWS

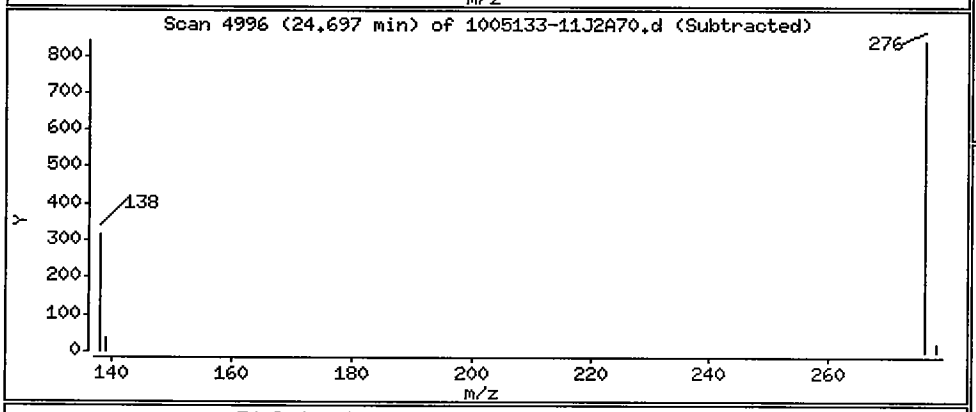
Volume Injected (uL): 2.0 Operator: OWS

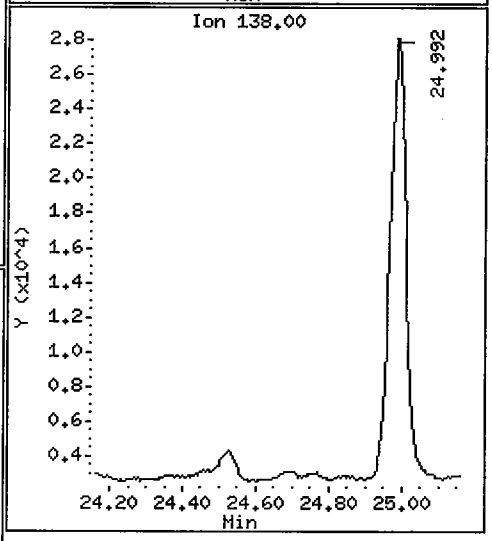
Column phase: Rtx-5MS Column diameter: 0.32

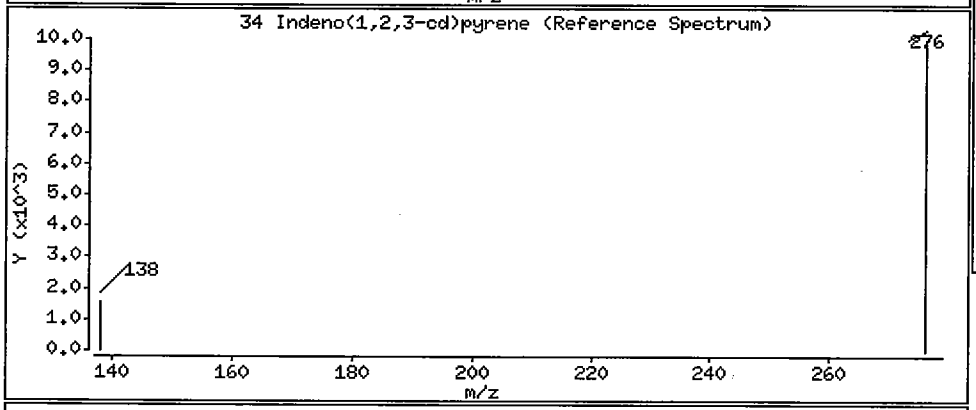
34 Indeno(1,2,3-cd)pyrene Concentration: 11 ug/Kg

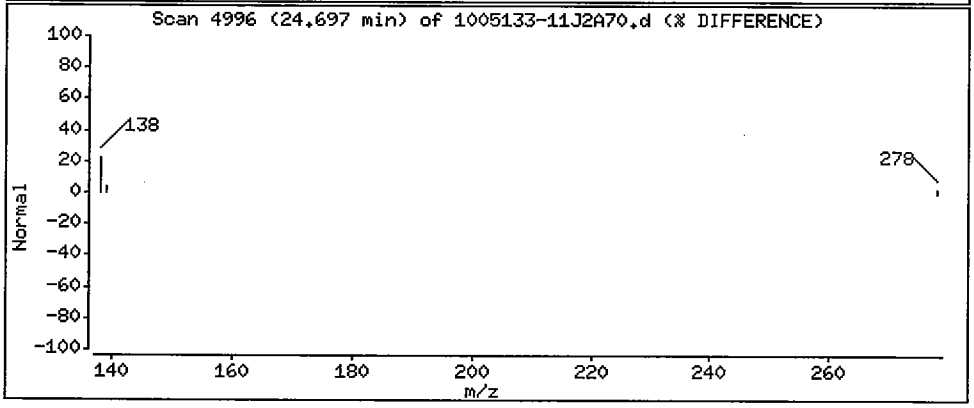












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-11J2A70.d

Date : 01-JUL-2010 15:37

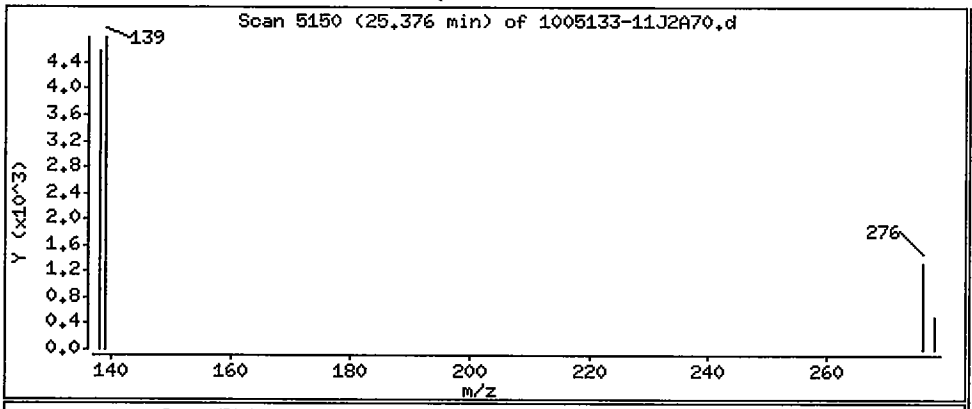
Client ID: SS67-0-1 Instrument: 5972hp70.i

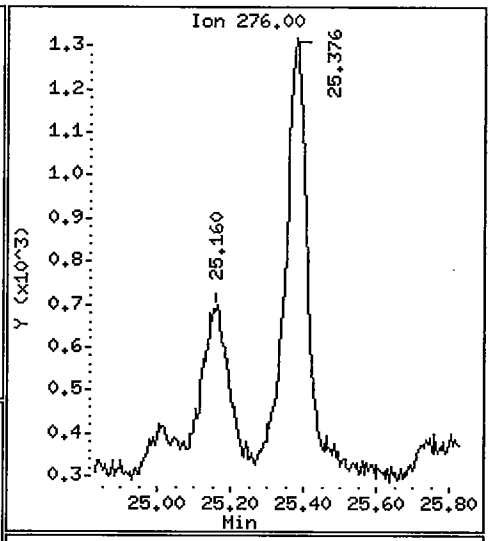
Sample Info: 1005133-11:OWS

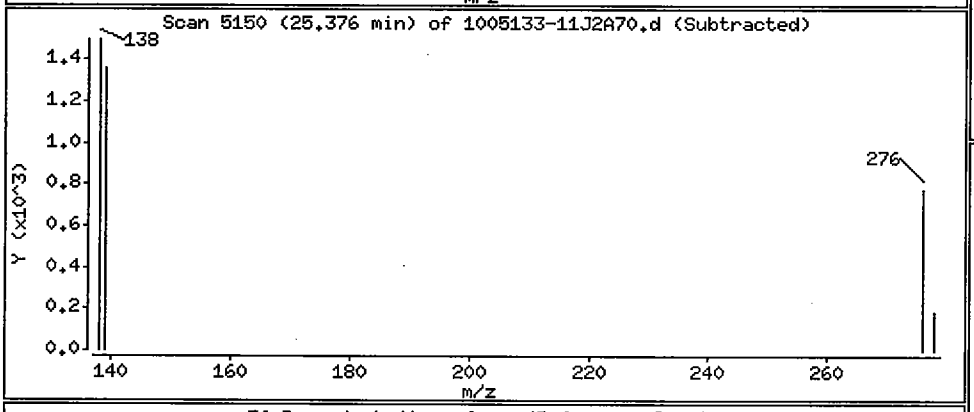
Volume Injected (uL): 2.0 Operator: OWS

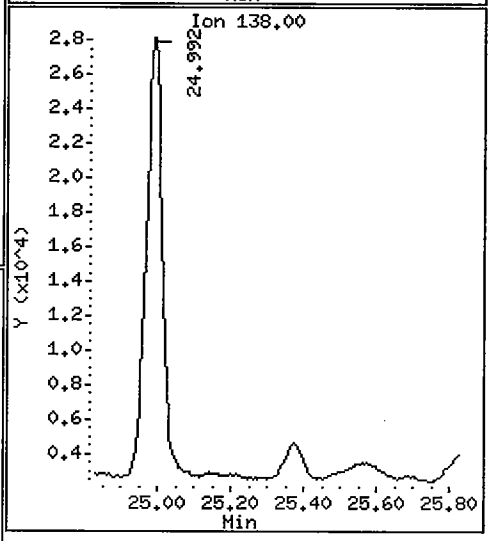
Column phase: Rtx-5MS Column diameter: 0.32

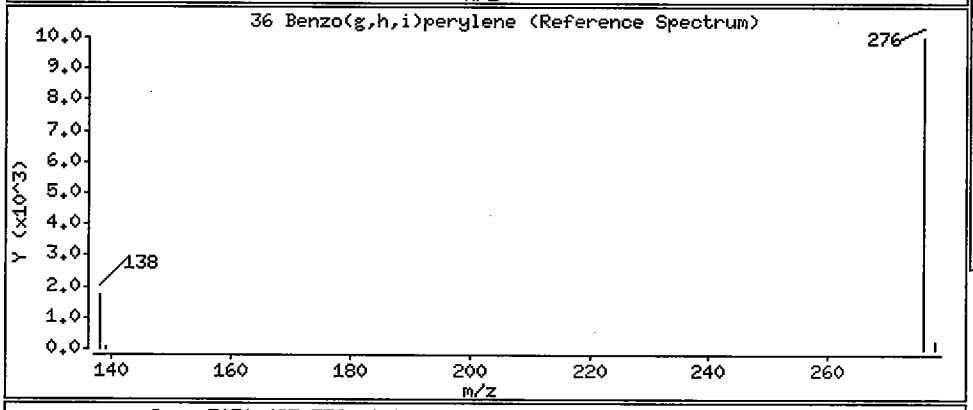
36 Benzo(g,h,i)perylene Concentration: 2.3 ug/Kg

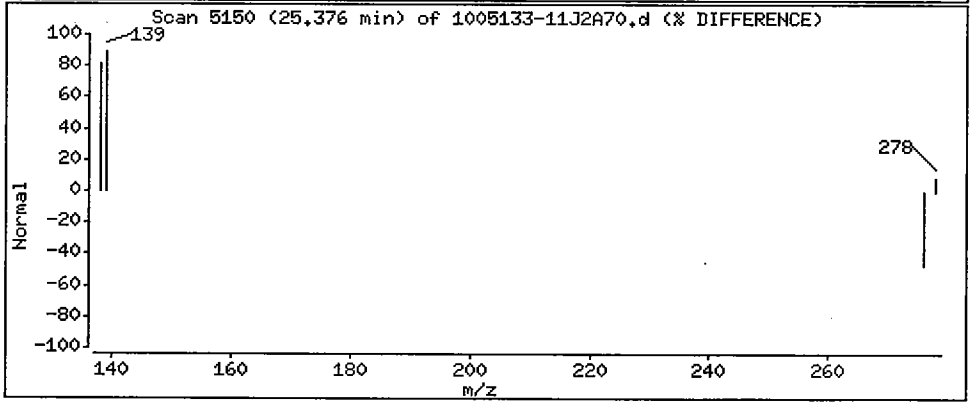












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SS68-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005133-20
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005133-20JA70
Analyst: OWS

% Moisture: 15 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK2

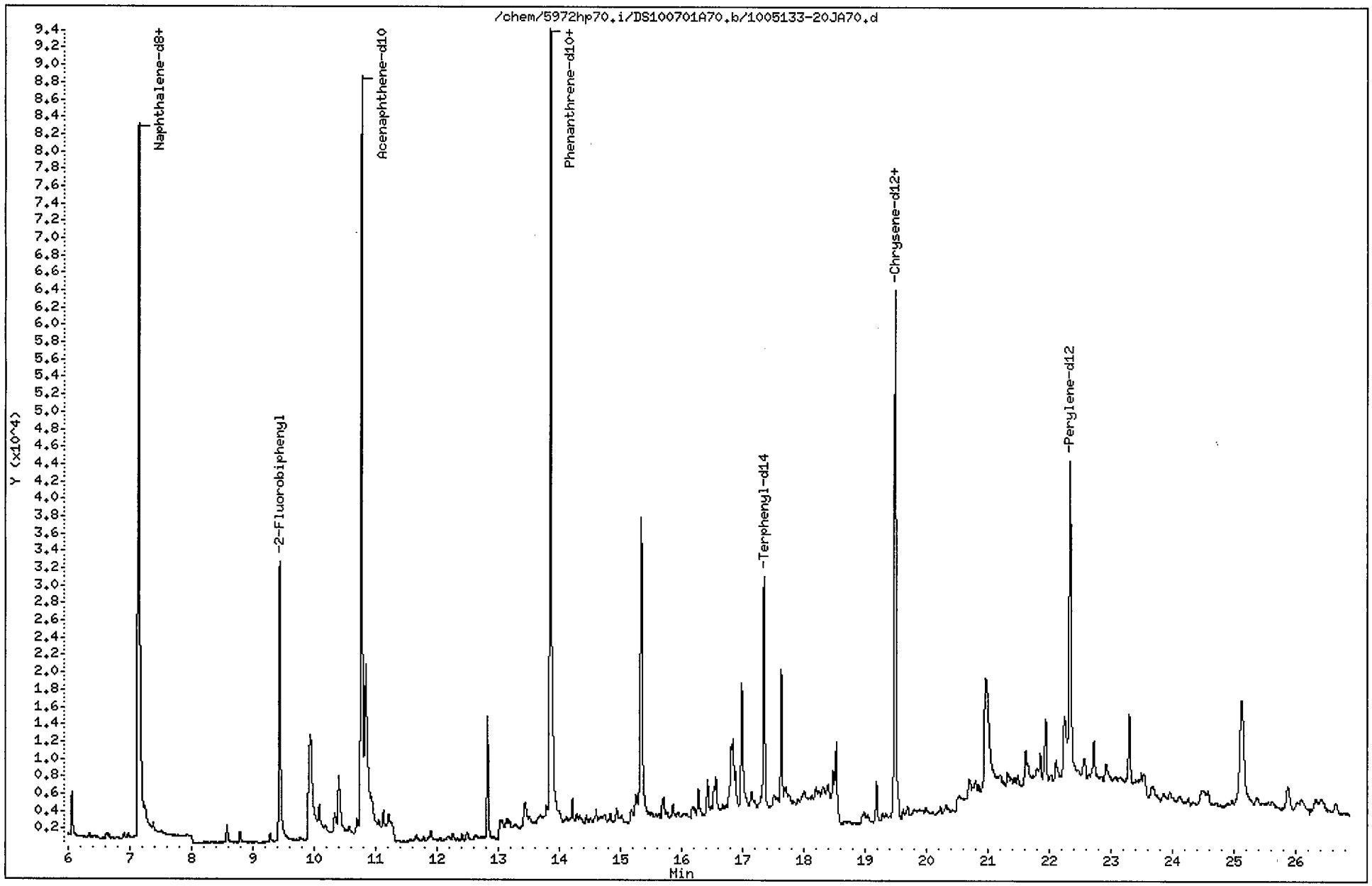
Date Extracted: 05/24/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.84	9.8	1.5	J
91-57-6	2-Methylnaphthalene	0.80	9.8	ND	U
208-96-8	Acenaphthylene	0.63	9.8	ND	U
83-32-9	Acenaphthene	0.71	9.8	ND	U
86-73-7	Fluorene	0.53	9.8	ND	U
85-01-8	Phenanthrene	1.5	9.8	2.4	J
120-12-7	Anthracene	0.51	9.8	ND	U
206-44-0	Fluoranthene	1.6	9.8	ND	U
129-00-0	Pyrene	0.67	9.8	1.3	J
56-55-3	Benzo(a)anthracene	0.67	9.8	0.68	J
218-01-9	Chrysene	0.75	9.8	1.3	J
205-99-2	Benzo(b)fluoranthene	0.67	9.8	1.6	J
207-08-9	Benzo(k)fluoranthene	0.51	9.8	0.61	J
50-32-8	Benzo(a)pyrene	0.45	9.8	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.43	9.8	5.1	J
53-70-3	Dibenzo(a,h)anthracene	0.39	9.8	ND	U
191-24-2	Benzo(g,h,i)perylene	0.45	9.8	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp70.i/DS100701A70.b/1005133-20JA70.d
Date : 01-JUL-2010 20:20
Client ID: SS68-0-1
Sample Info: 1005133-20:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701A70.b/1005133-20JA70.d
Report Date: 02-Jul-2010 13:31

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701A70.b/1005133-20JA70.d
Lab Smp Id: 1005133-20 Client Smp ID: SS68-0-1
Inj Date : 01-JUL-2010 20:20
Operator : OWS Inst ID: 5972hp70.i
Smp Info : 1005133-20:OWS
Misc Info : SS68-0-1
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701A70.b/SIM_8270Cv3DOD.m
Meth Date : 02-Jul-2010 13:19 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	15.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)	
* 1 1,4-Dichlorobenzene-d4	152	4.840	4.820	(1.000)	43000	2.00000		(a)
* 2 Naphthalene-d8	136	7.146	7.130	(1.000)	148343	2.00000		(a)
* 3 Acenaphthene-d10	164	10.770	10.763	(1.000)	85648	2.00000		(a)
* 4 Phenanthrene-d10	188	13.858	13.846	(1.000)	141390	2.00000		(a)
* 5 Chrysene-d12	240	19.494	19.476	(1.000)	91509	2.00000		(a)
* 6 Perylene-d12	264	22.340	22.314	(1.000)	69053	2.00000		(a)
$ 9 Nitrobenzene-d5	82	5.864	5.856	(0.821)	32859	0.68450	13	
$ 10 2-Fluorobiphenyl	172	9.437	9.432	(0.876)	46370	0.78557	15	
$ 12 Terphenyl-d14	244	17.349	17.343	(0.890)	34467	1.05814	21	
13 Naphthalene	128	7.177	7.161	(1.004)	7425	0.07838	1.5	(a)
15 2-Methylnaphthalene	141	Compound Not Detected.						
17 Acenaphthylene	152	Compound Not Detected.						
18 Acenaphthene	154	Compound Not Detected.						

7/2/10

Data File: /chem/5972hp70.i/DS100701A70.b/1005133-20JA70.d
Report Date: 02-Jul-2010 13:31

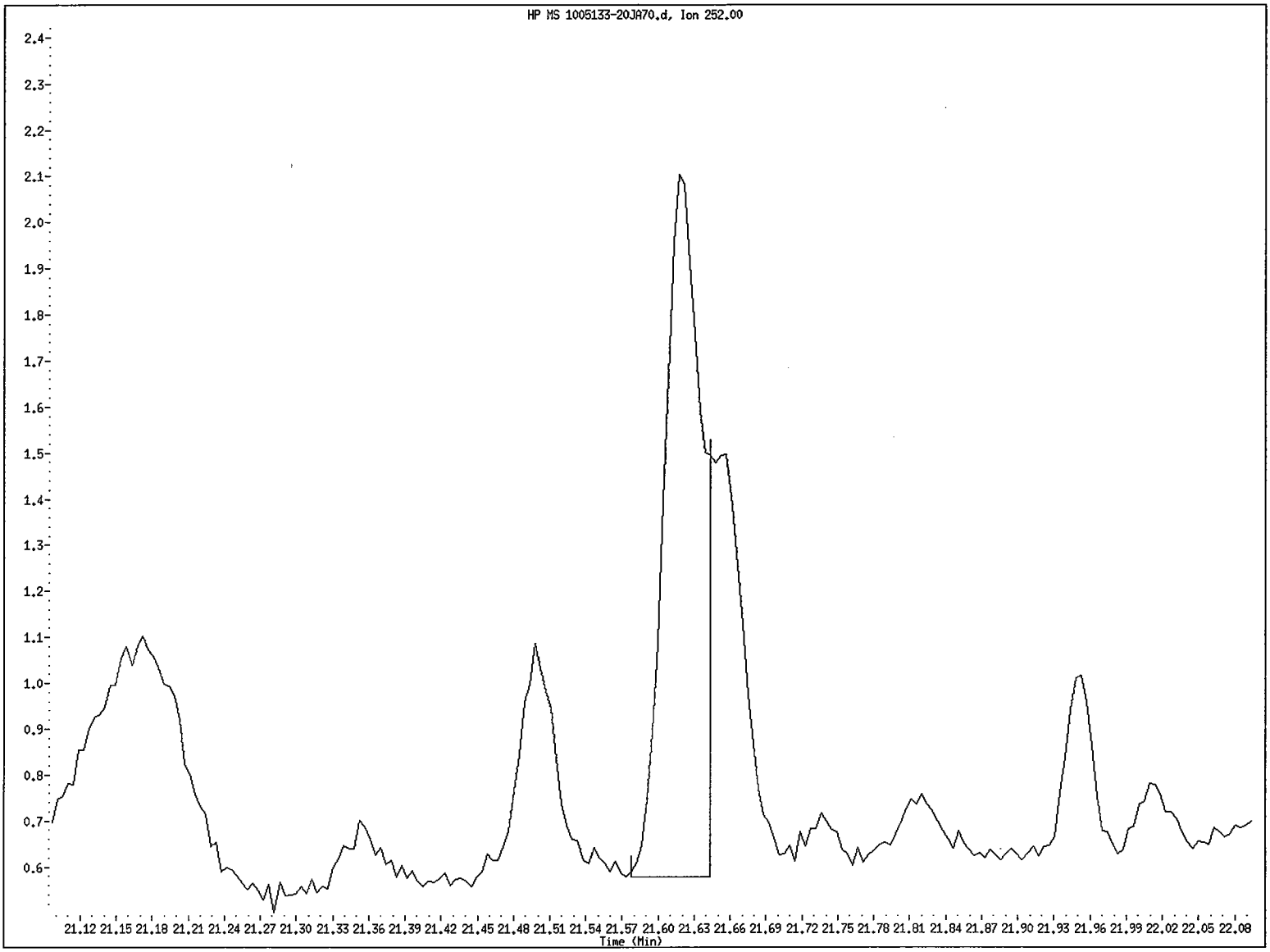
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	13.902	13.890	(1.003)	9313	0.12068	2.4(a)
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	16.886	16.871	(0.866)	4235	0.06404	1.3(a)
29 Benzo(a)anthracene	228	19.454	19.441	(0.998)	1683	0.03493	0.68(a)
30 Chrysene	228	19.538	19.525	(1.002)	3774	0.06580	1.3(a)
31 Benzo(b)fluoranthene	252	21.617	21.595	(0.968)	3378	0.08359	1.6(aM)
32 Benzo(k)fluoranthene	252	21.657	21.635	(0.969)	1548	0.03097	0.61(aM)
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	24.715	24.666	(1.106)	1230	0.25990	5.1(a)
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

1 7/7/10

QC Flag Legend

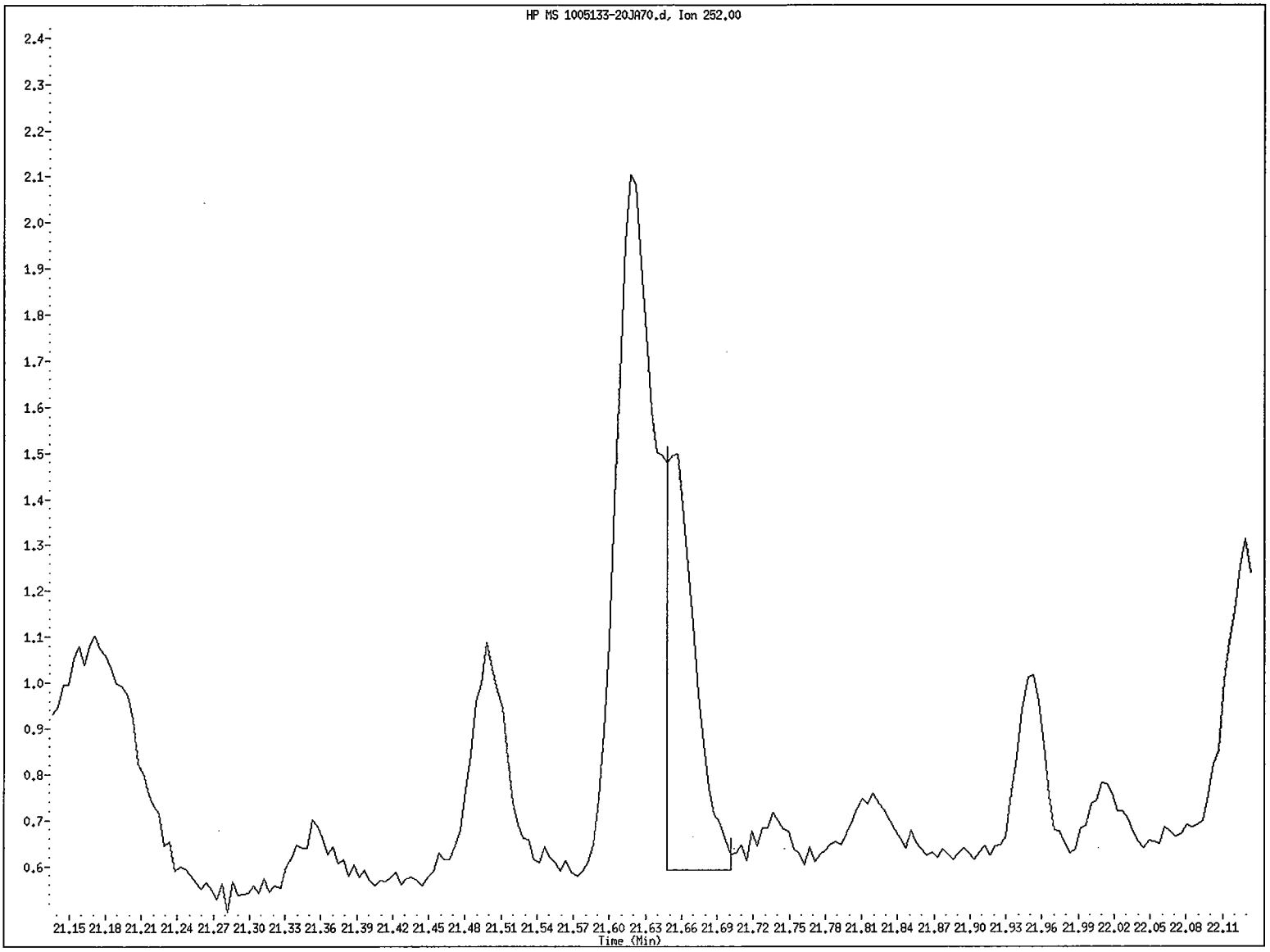
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Benzo(b)fluoranthene CAS Number 205-99-2 Area = 3378 Manually integrated



File name: /chem/5972hp70.i/DS100701A70.b/1005133-20JA70.d
Client ID: SS68-0-1
Instrument ID: 5972hp70.i
Injection Date and Time: 01-JUL-2010 20:20
Retention Time: 21.62
Operator ID: OWS

Benzo(k)fluoranthene CAS Number 207-08-9 Area = 1548 Manually integrated



File name: /chem/5972hp70.i/DS100701A70.b/1005133-20JA70.d
Client ID: SS68-0-1
Instrument ID: 5972hp70.i
Injection Date and Time: 01-JUL-2010 20:20
Retention Time: 21.66
Operator ID: OWS

Data File: /chem/5972hp70.i/DS100701A70.b/1005133-20JA70.d

Date : 01-JUL-2010 20:20

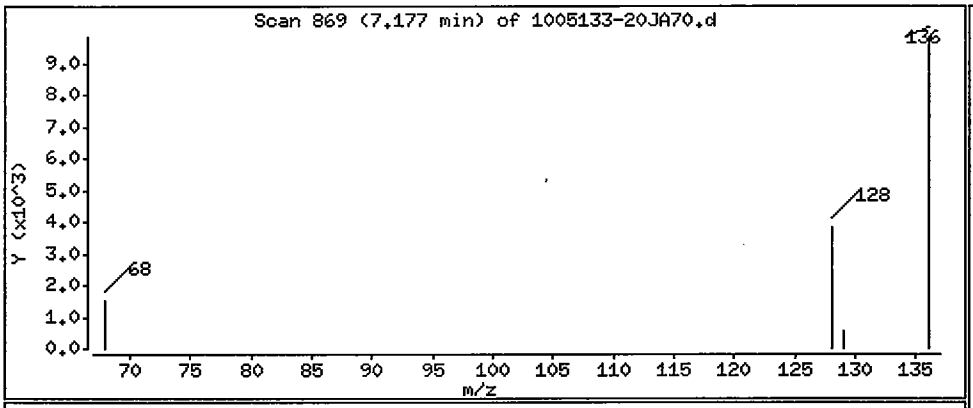
Client ID: SS68-0-1 Instrument: 5972hp70.i

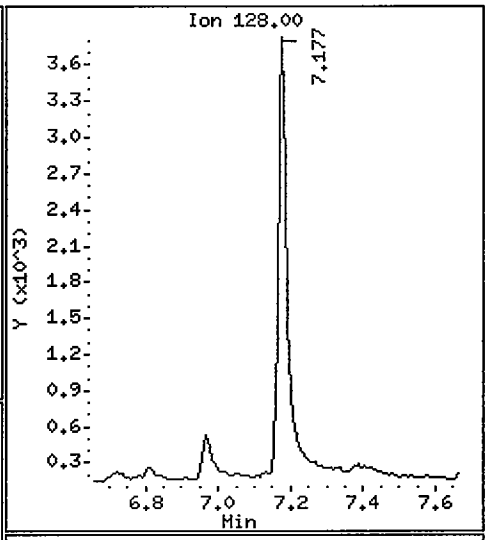
Sample Info: 1005133-20:OWS

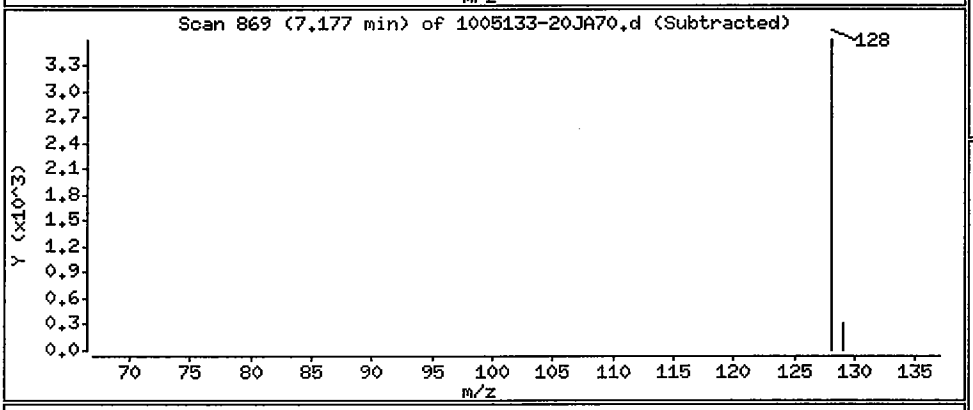
Volume Injected (uL): 2.0 Operator: OWS

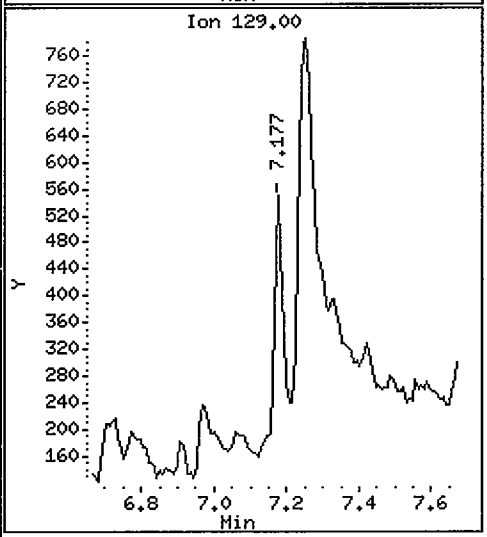
Column phase: Rtx-5MS Column diameter: 0.32

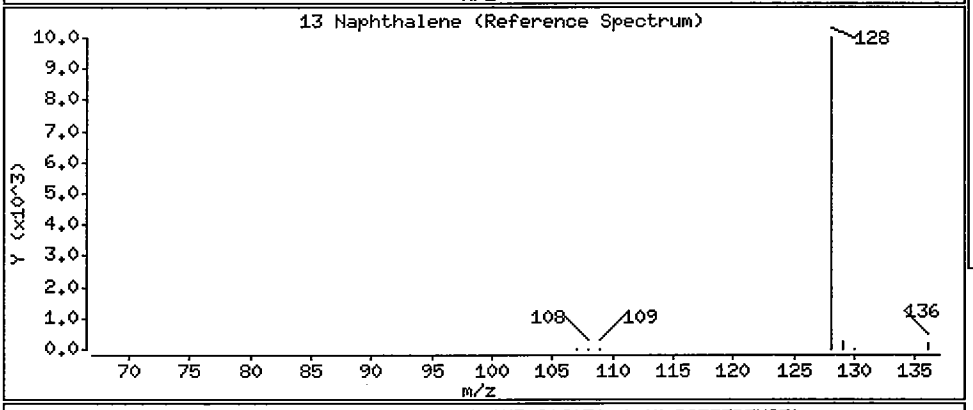
13 Naphthalene Concentration: 1.5 ug/Kg

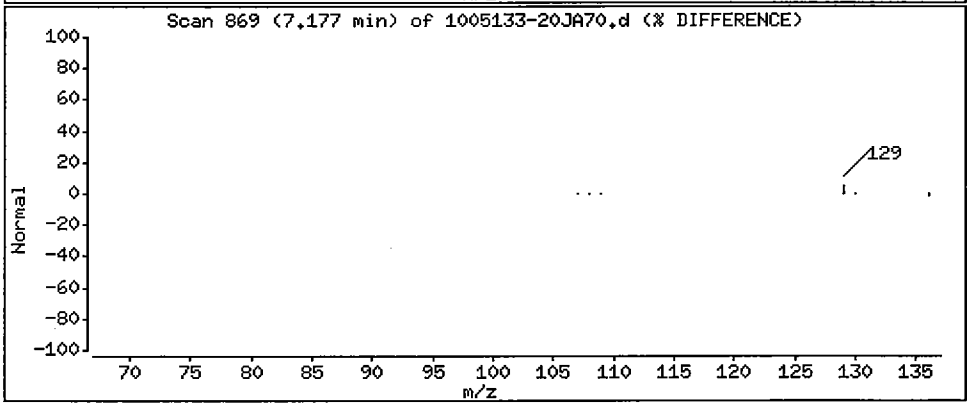












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-20JA70.d

Date : 01-JUL-2010 20:20

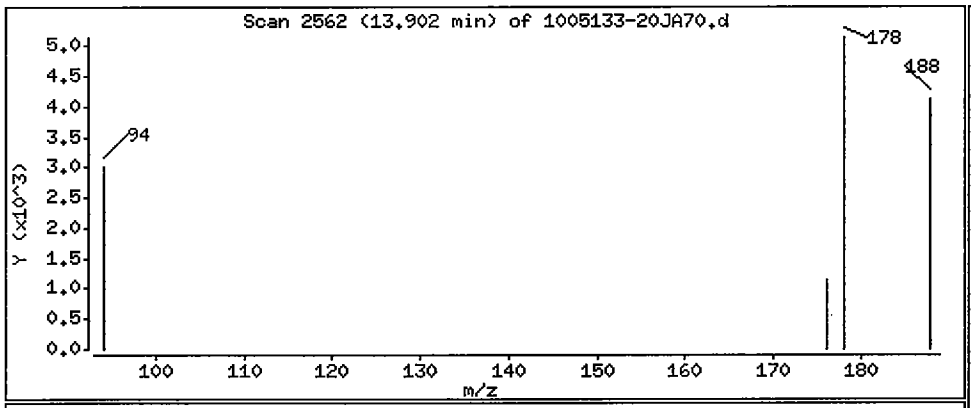
Client ID: SS68-0-1 Instrument: 5972hp70.i

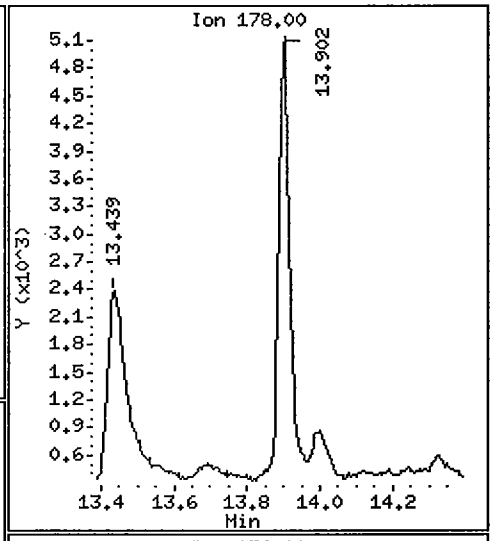
Sample Info: 1005133-20:OWS

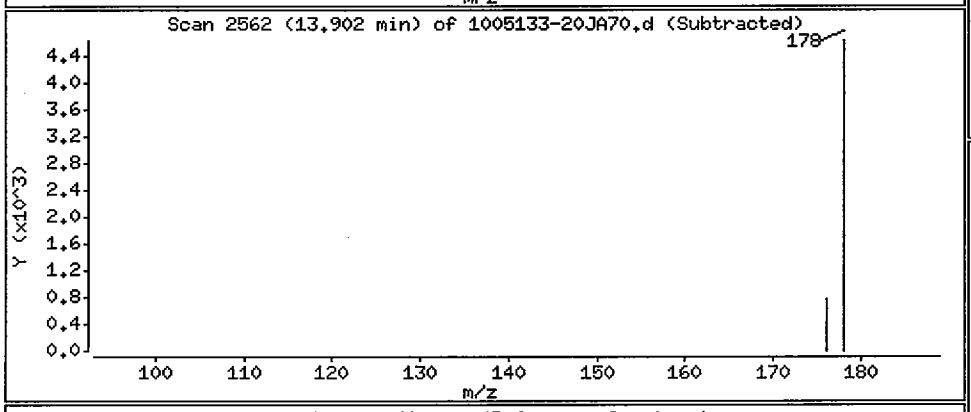
Volume Injected (uL): 2.0 Operator: OWS

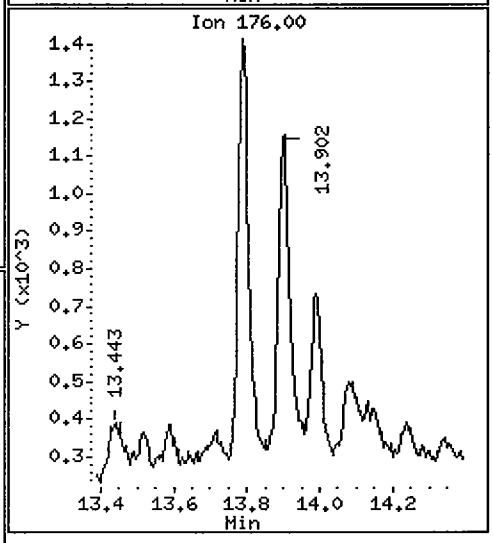
Column phase: Rtx-5MS Column diameter: 0.32

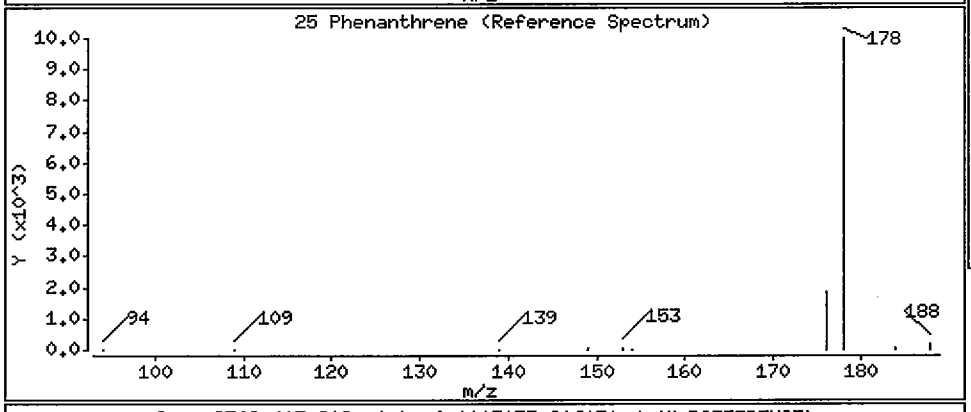
25 Phenanthrene Concentration: 2.4 ug/Kg

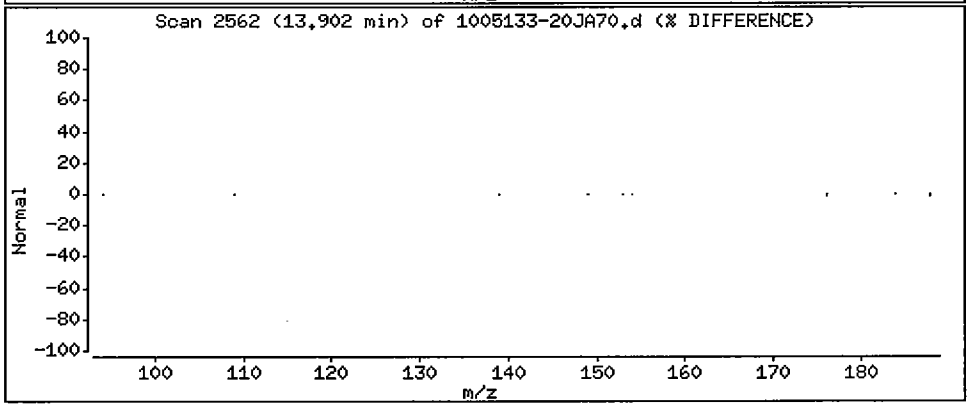












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-20JA70.d

Date : 01-JUL-2010 20:20

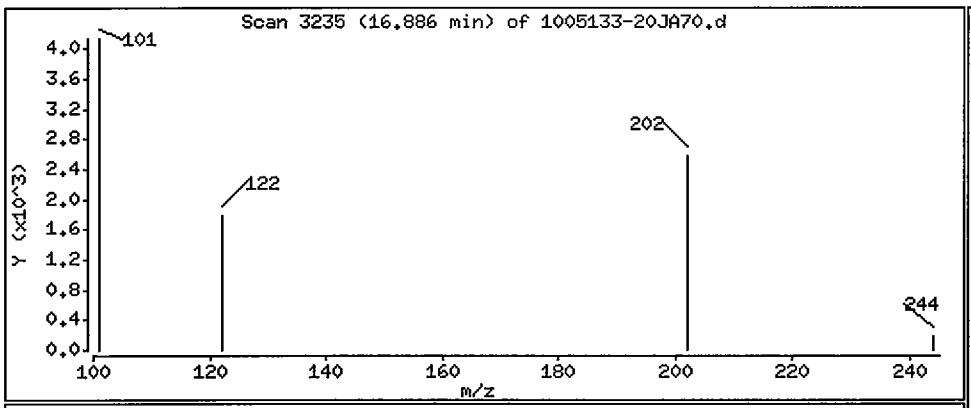
Client ID: SS68-0-1 Instrument: 5972hp70.i

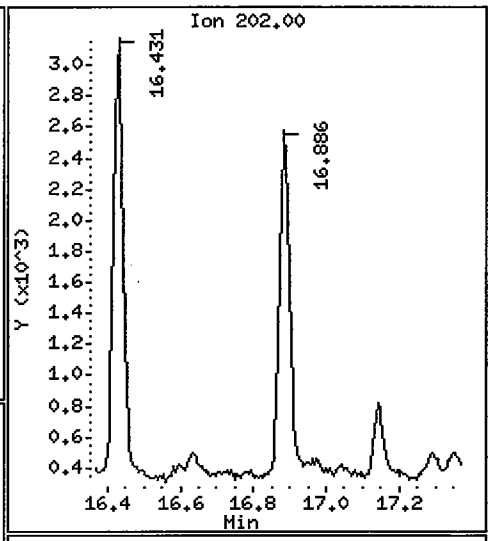
Sample Info: 1005133-20:OWS

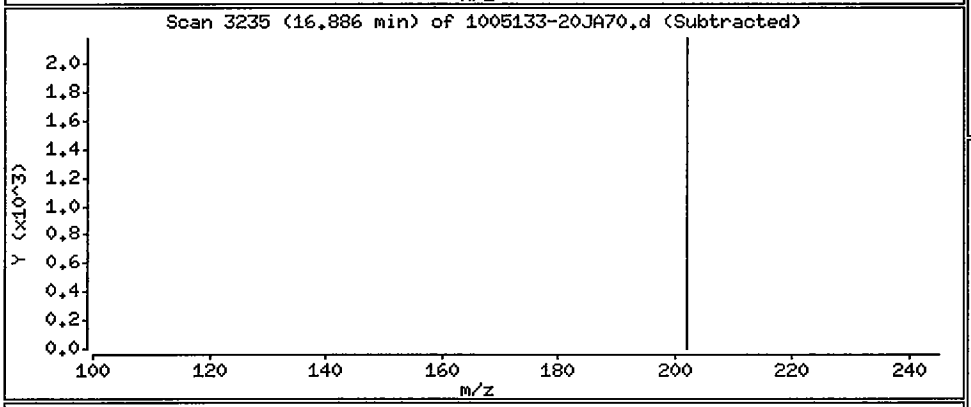
Volume Injected (uL): 2.0 Operator: OWS

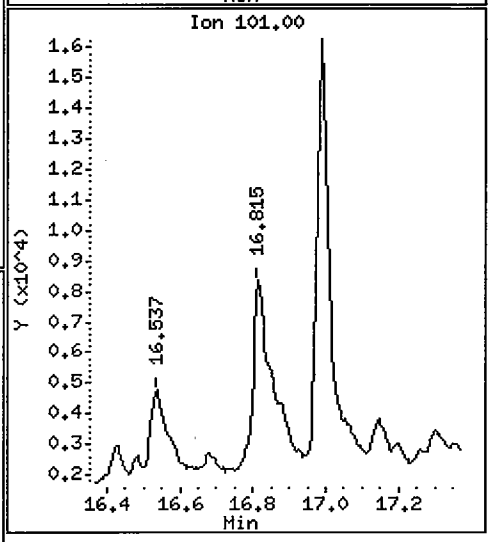
Column phase: Rtx-5MS Column diameter: 0.32

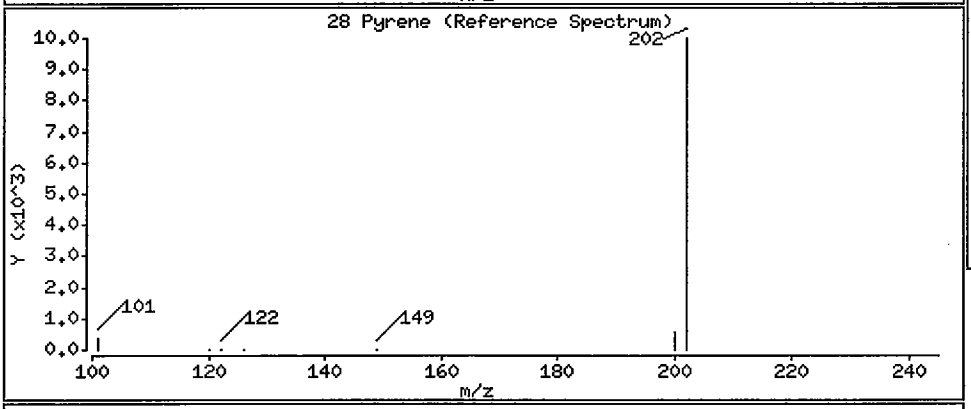
28 Pyrene Concentration: 1.3 ug/Kg

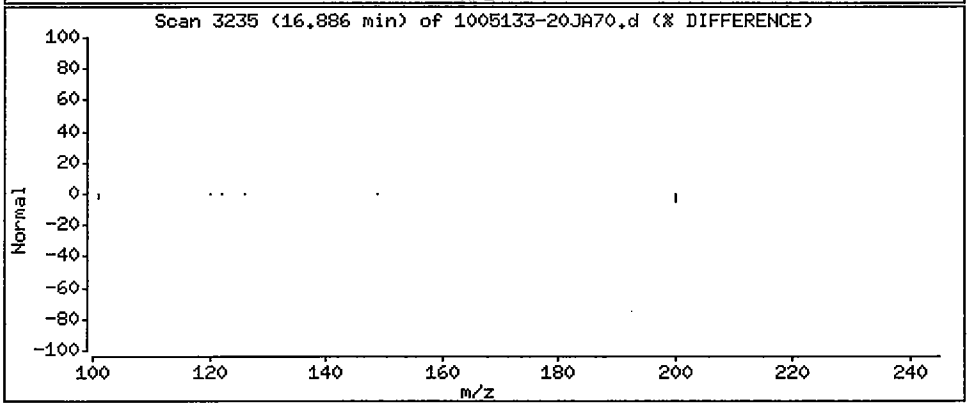












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-20JA70.d

Date : 01-JUL-2010 20:20

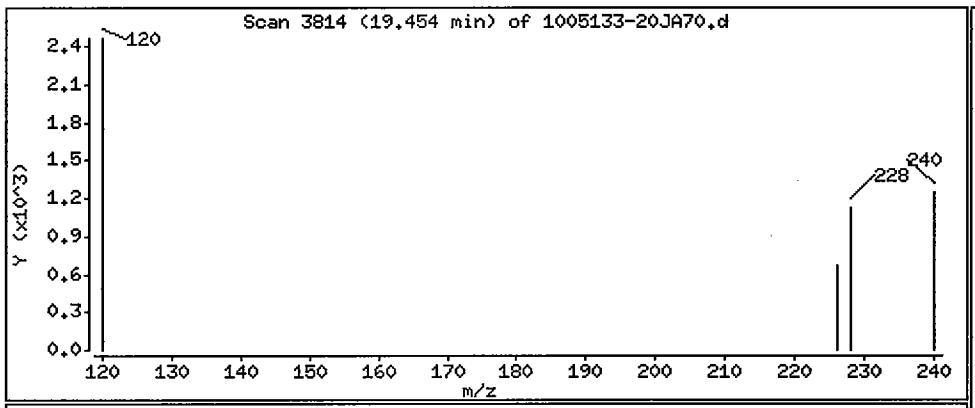
Client ID: SS68-0-1 Instrument: 5972hp70.i

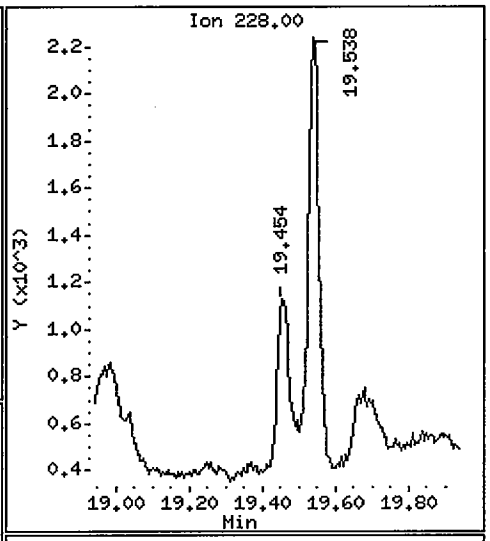
Sample Info: 1005133-20:OWS

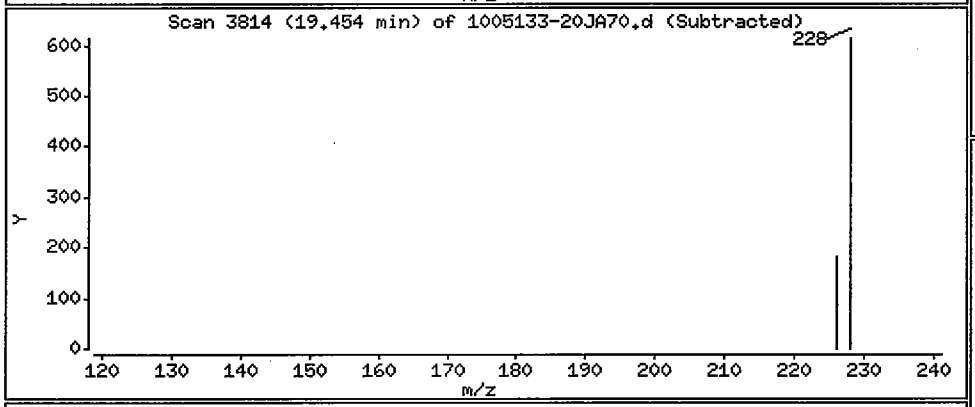
Volume Injected (uL): 2.0 Operator: OWS

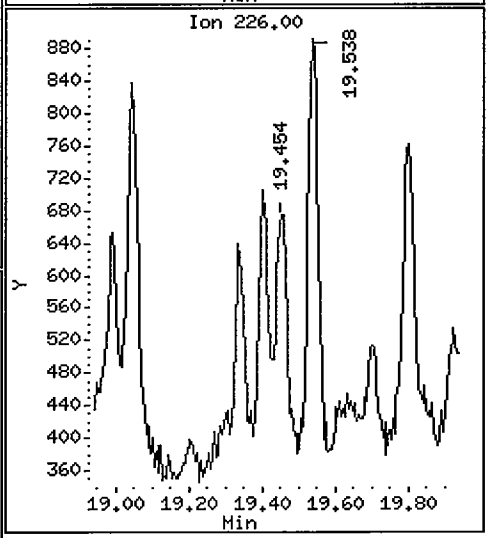
Column phase: Rtx-5MS Column diameter: 0.32

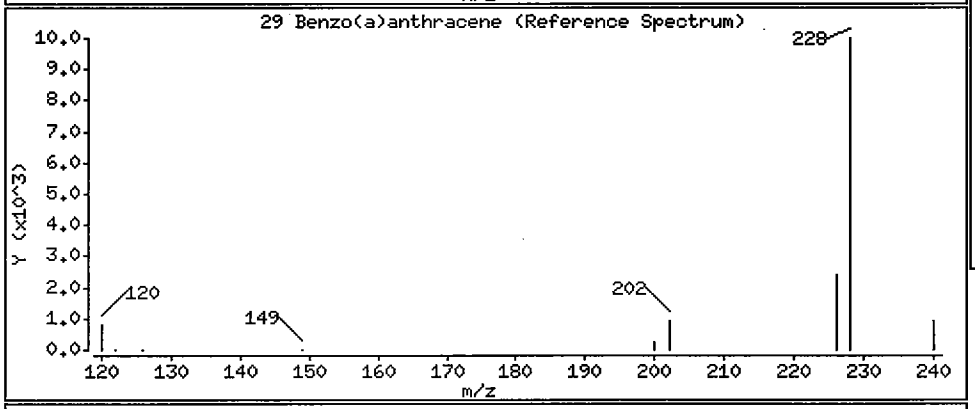
29 Benzo(a)anthracene Concentration: 0.68 ug/Kg

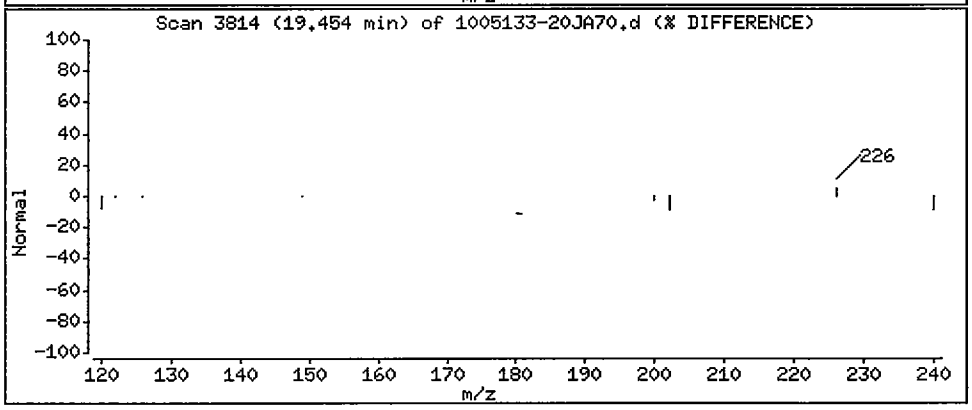












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-20JA70.d

Date : 01-JUL-2010 20:20

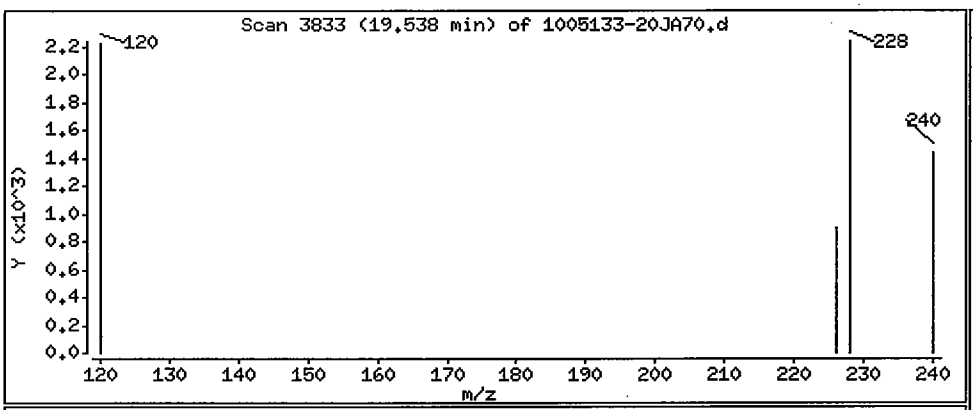
Client ID: SS68-0-1 Instrument: 5972hp70.i

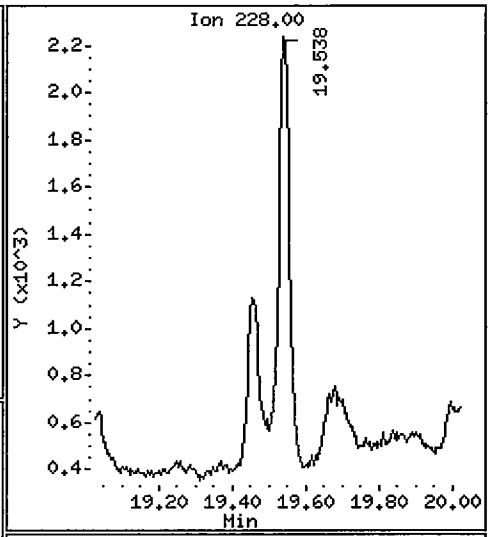
Sample Info: 1005133-20:OWS

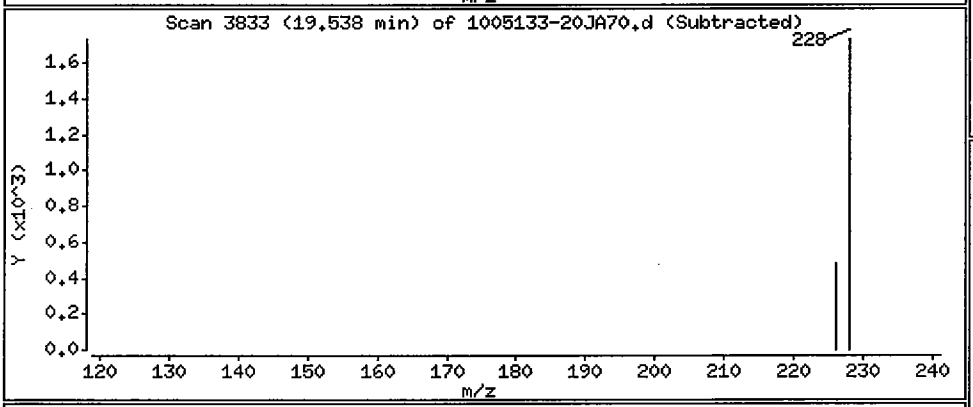
Volume Injected (uL): 2.0 Operator: OWS

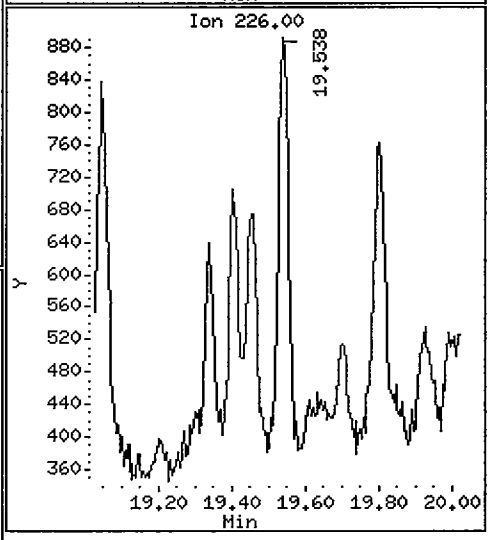
Column phase: Rtx-5MS Column diameter: 0.32

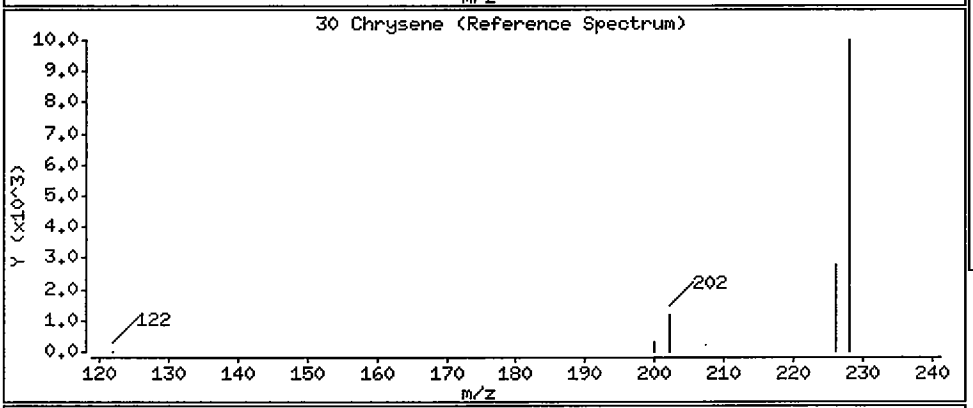
30 Chrysene Concentration: 1.3 ug/Kg

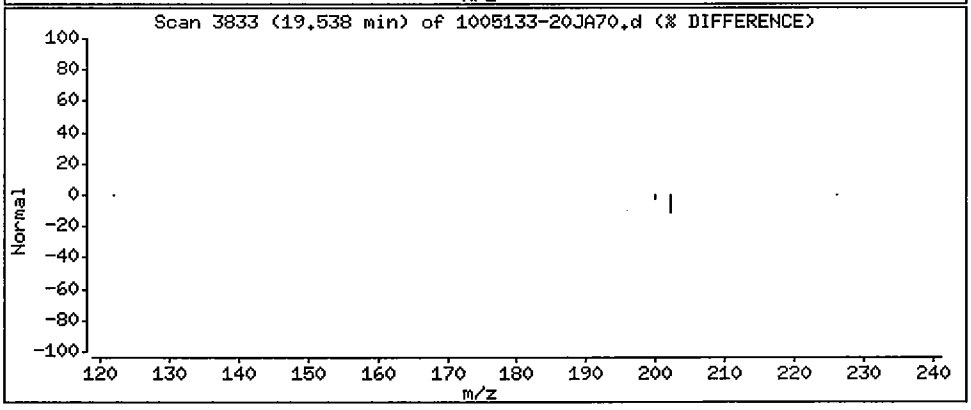












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-20JA70.d

Date : 01-JUL-2010 20:20

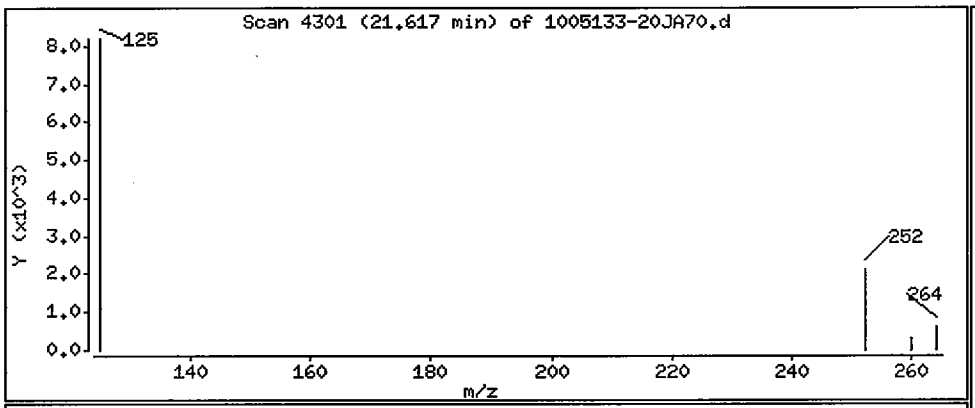
Client ID: SS68-0-1 Instrument: 5972hp70.i

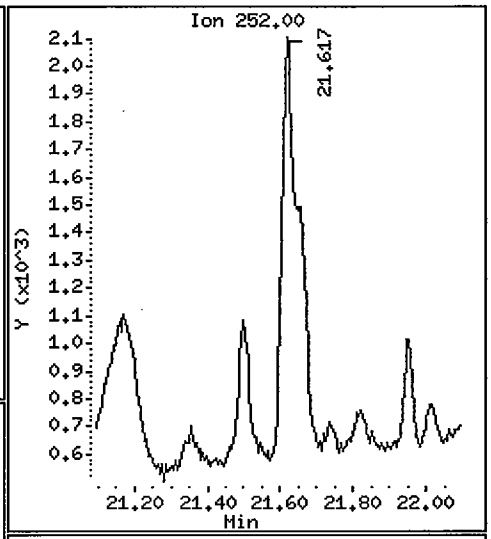
Sample Info: 1005133-20:OWS

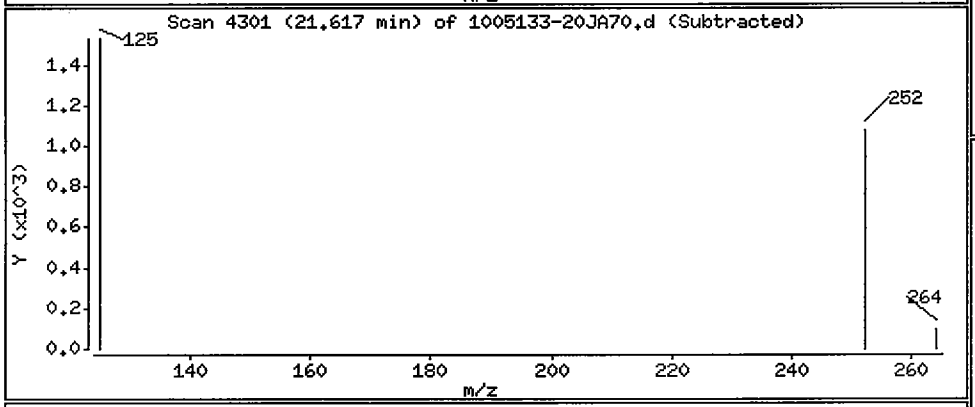
Volume Injected (uL): 2.0 Operator: OWS

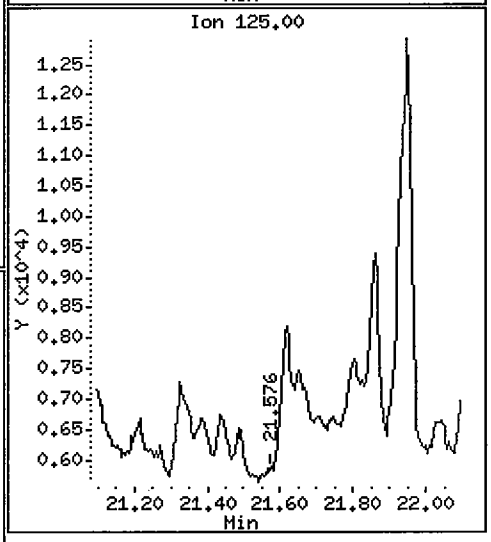
Column phase: Rtx-5MS Column diameter: 0.32

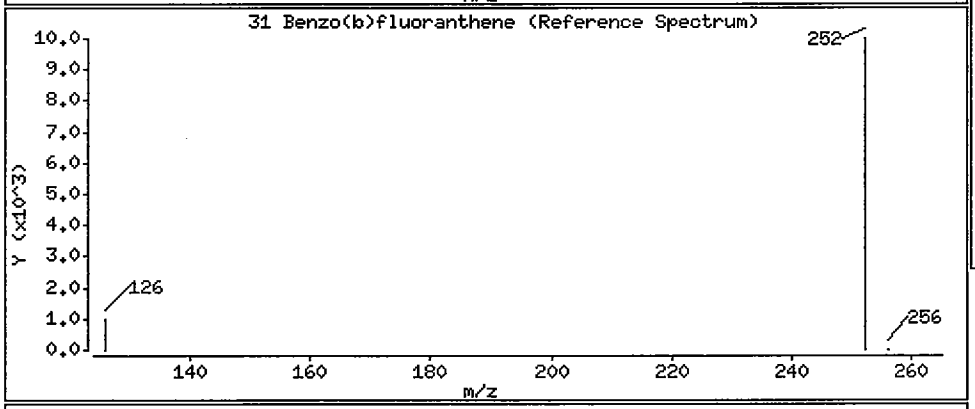
31 Benzo(b)fluoranthene Concentration: 1.6 ug/Kg

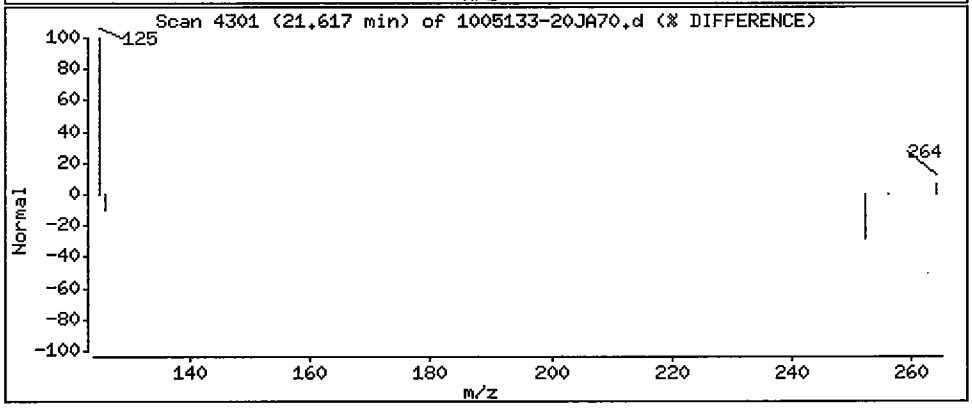












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-20JA70.d

Date : 01-JUL-2010 20:20

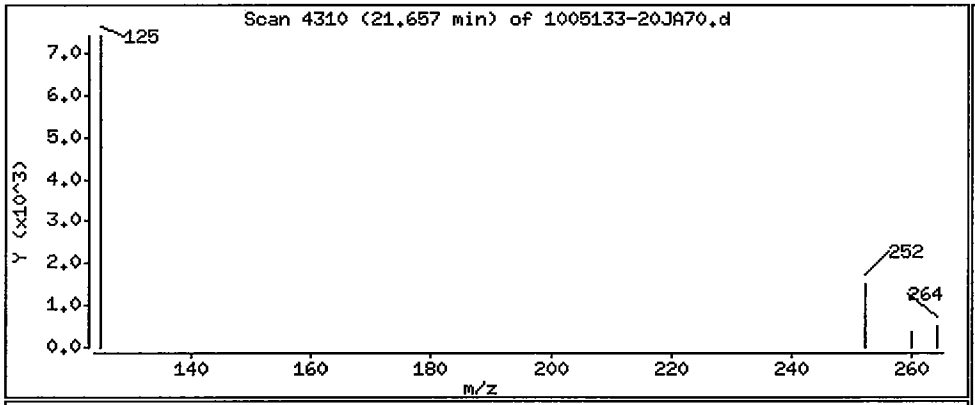
Client ID: SS68-0-1 Instrument: 5972hp70.i

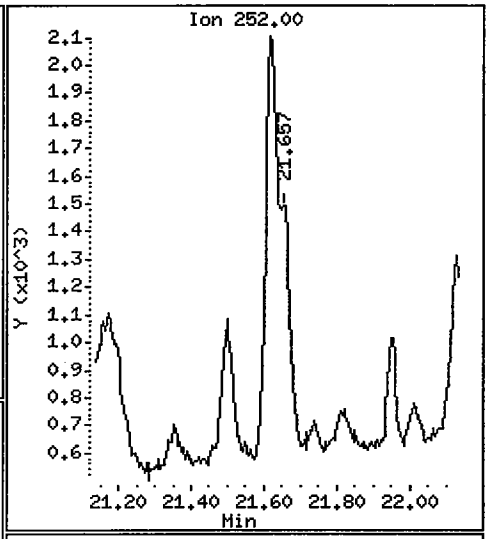
Sample Info: 1005133-20:OWS

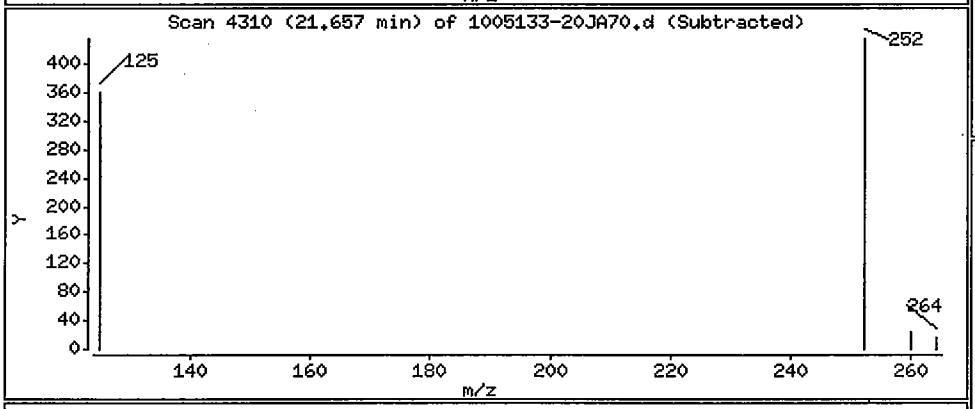
Volume Injected (uL): 2.0 Operator: OWS

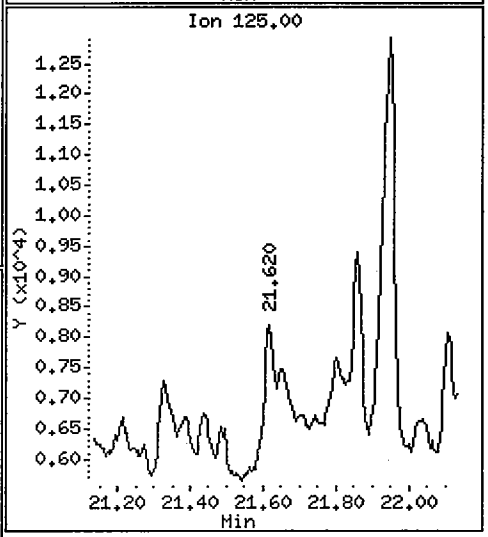
Column phase: Rtx-5MS Column diameter: 0.32

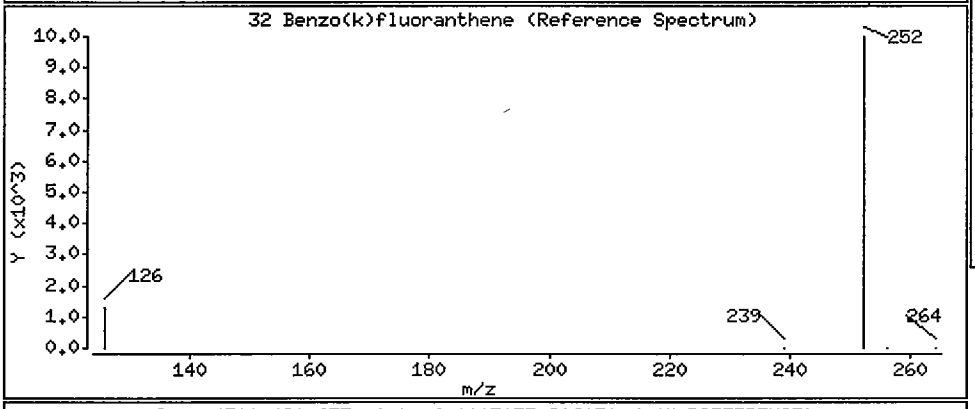
32 Benzo(k)fluoranthene Concentration: 0.61 ug/Kg

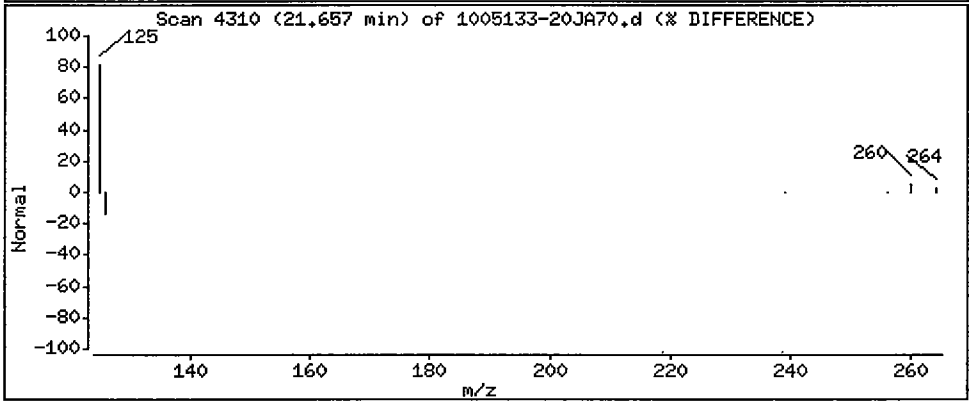












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-20JA70.d

Date : 01-JUL-2010 20:20

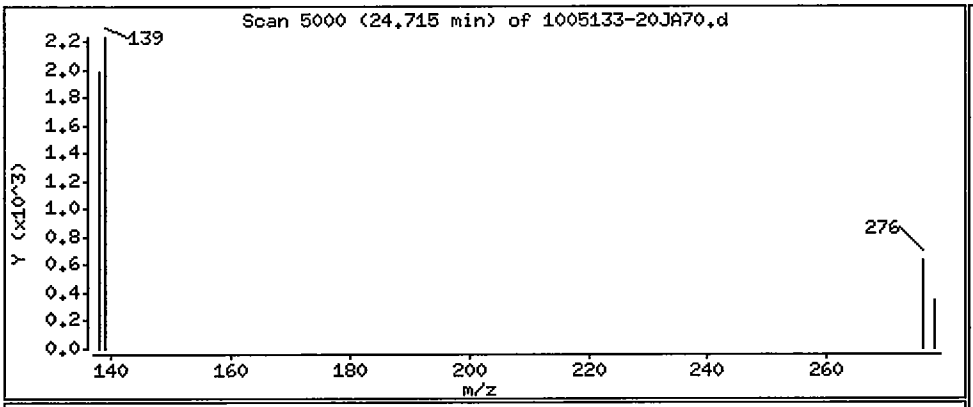
Client ID: SS68-0-1 Instrument: 5972hp70.i

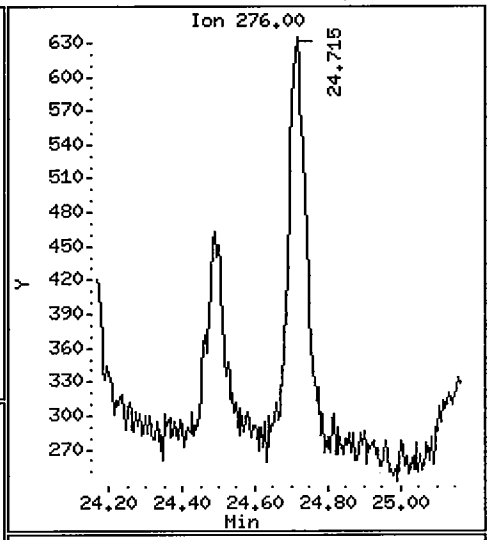
Sample Info: 1005133-20:OWS

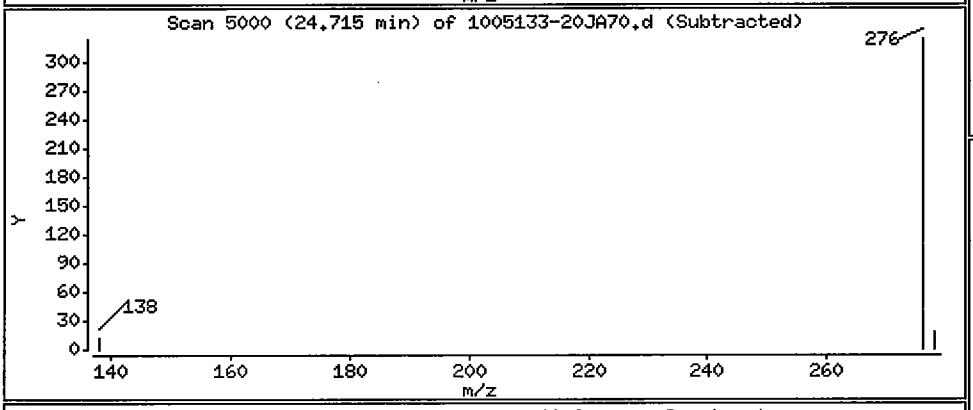
Volume Injected (uL): 2.0 Operator: OWS

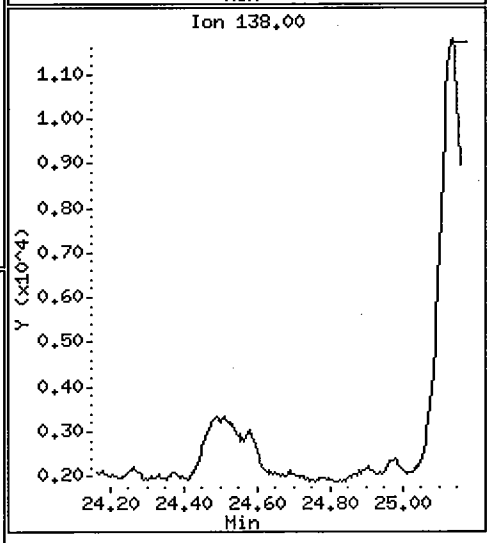
Column phase: Rtx-5MS Column diameter: 0.32

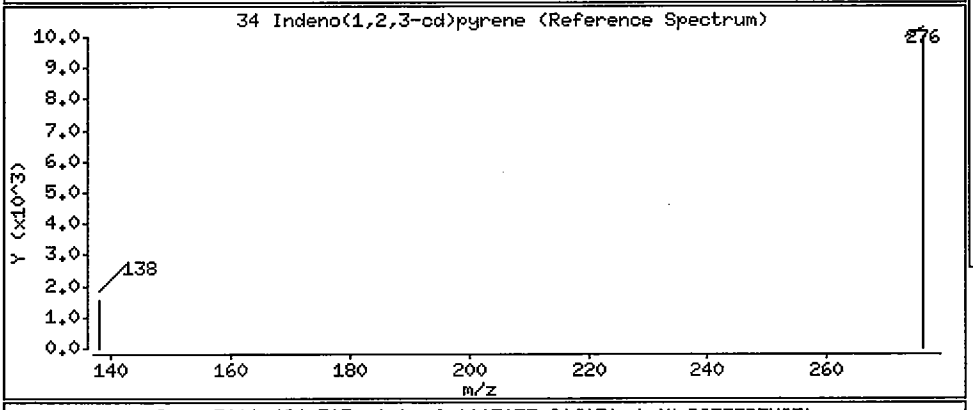
34 Indeno(1,2,3-cd)pyrene Concentration: 5.1 ug/Kg

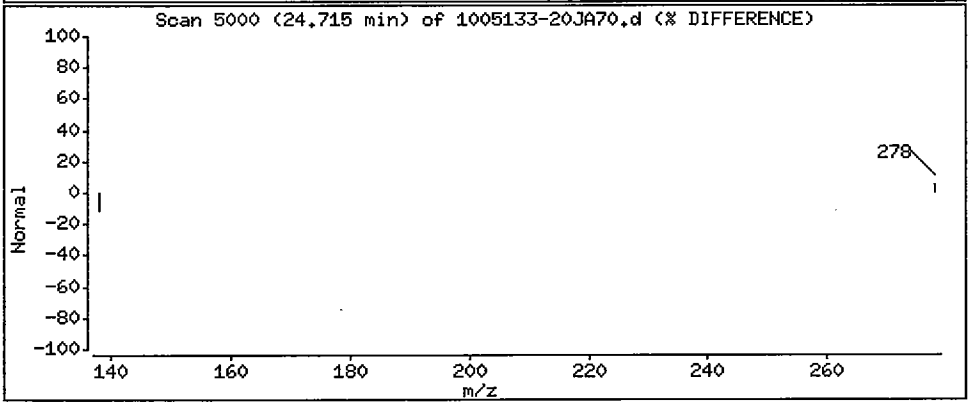












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SS72-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/19/10

Lab Sample ID: 1005133-12
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005133-12A66
Analyst: MEW

% Moisture: 4 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK1

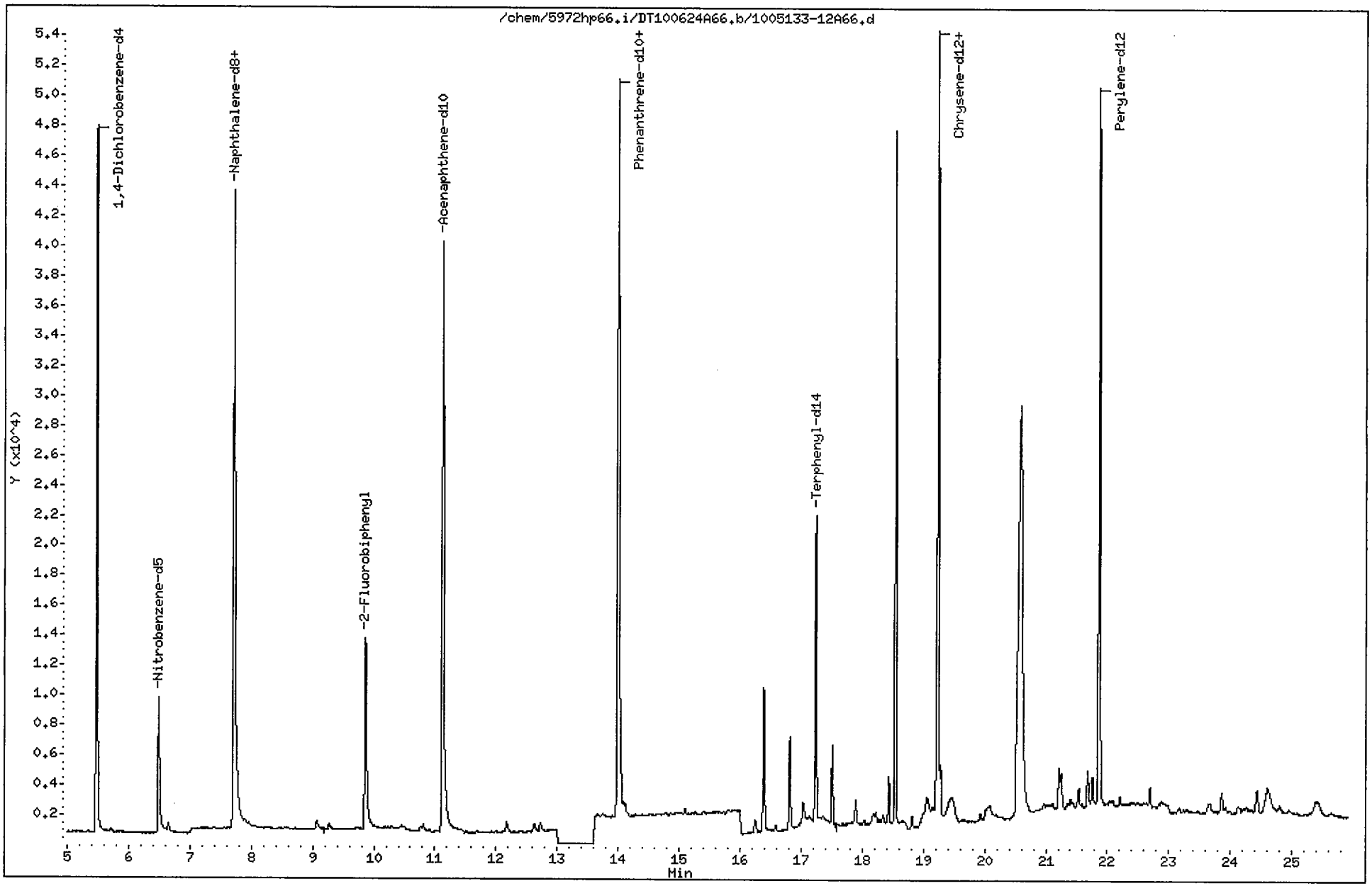
Date Extracted: 05/24/10
Date Analyzed: 06/25/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.75	8.6	1.2	J
91-57-6	2-Methylnaphthalene	0.71	8.6	ND	U
208-96-8	Acenaphthylene	0.56	8.6	ND	U
83-32-9	Acenaphthene	0.62	8.6	ND	U
86-73-7	Fluorene	0.47	8.6	ND	U
85-01-8	Phenanthrene	1.4	8.6	2.4	J
120-12-7	Anthracene	0.45	8.6	ND	U
206-44-0	Fluoranthene	1.4	8.6	3.4	J
129-00-0	Pyrene	0.59	8.6	3.4	J
56-55-3	Benzo(a)anthracene	0.59	8.6	1.6	J
218-01-9	Chrysene	0.66	8.6	2.1	J
205-99-2	Benzo(b)fluoranthene	0.59	8.6	ND	U
207-08-9	Benzo(k)fluoranthene	0.45	8.6	ND	U
50-32-8	Benzo(a)pyrene	0.40	8.6	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	8.6	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.35	8.6	ND	U
191-24-2	Benzo(g,h,i)perylene	0.40	8.6	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp66.i/DT100624A66.b/1005133-12A66.d
Date : 25-JUN-2010 00:23
Client ID: SS72-0-1
Sample Info: 1005133-12:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp66.i/DT100624A66.b/1005133-12A66.d
Report Date: 25-Jun-2010 11:26

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DT100624A66.b/1005133-12A66.d
Lab Smp Id: 1005133-12 Client Smp ID: SS72-0-1
Inj Date : 25-JUN-2010 00:23
Operator : MEW Inst ID: 5972hp66.i
Smp Info : 1005133-12:MEW
Misc Info : SS72-0-1
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DT100624A66.b/SIM_8270Cv3DOD.m
Meth Date : 25-Jun-2010 10:58 byrd Quant Type: ISTD
Cal Date : 20-JUN-2010 11:07 Cal File: 0F20001-CAL5A66.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	4.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	5.482	5.451	(1.000)	28973	2.00000	
* 2 Naphthalene-d8	136	7.707	7.694	(1.000)	86634	2.00000	
* 3 Acenaphthene-d10	164	11.128	11.104	(1.000)	46582	2.00000	
* 4 Phenanthrene-d10	188	14.002	13.968	(1.000)	90206	2.00000	
* 5 Chrysene-d12	240	19.235	19.204	(1.000)	72326	2.00000	
* 6 Perylene-d12	264	21.864	21.824	(1.000)	64424	2.00000	(M)
$ 9 Nitrobenzene-d5	82	6.488	6.461	(0.842)	12919	0.60851	11
$ 10 2-Fluorobiphenyl	172	9.864	9.846	(0.886)	22021	0.59707	10
$ 12 Terphenyl-d14	244	17.240	17.217	(0.896)	26133	1.16183	20
13 Naphthalene	128	7.741	7.718	(1.004)	3621	0.07159	1.2(aM)
15 2-Methylnaphthalene	141	Compound Not Detected.					
17 Acenaphthylene	152	Compound Not Detected.					
18 Acenaphthene	154	Compound Not Detected.					

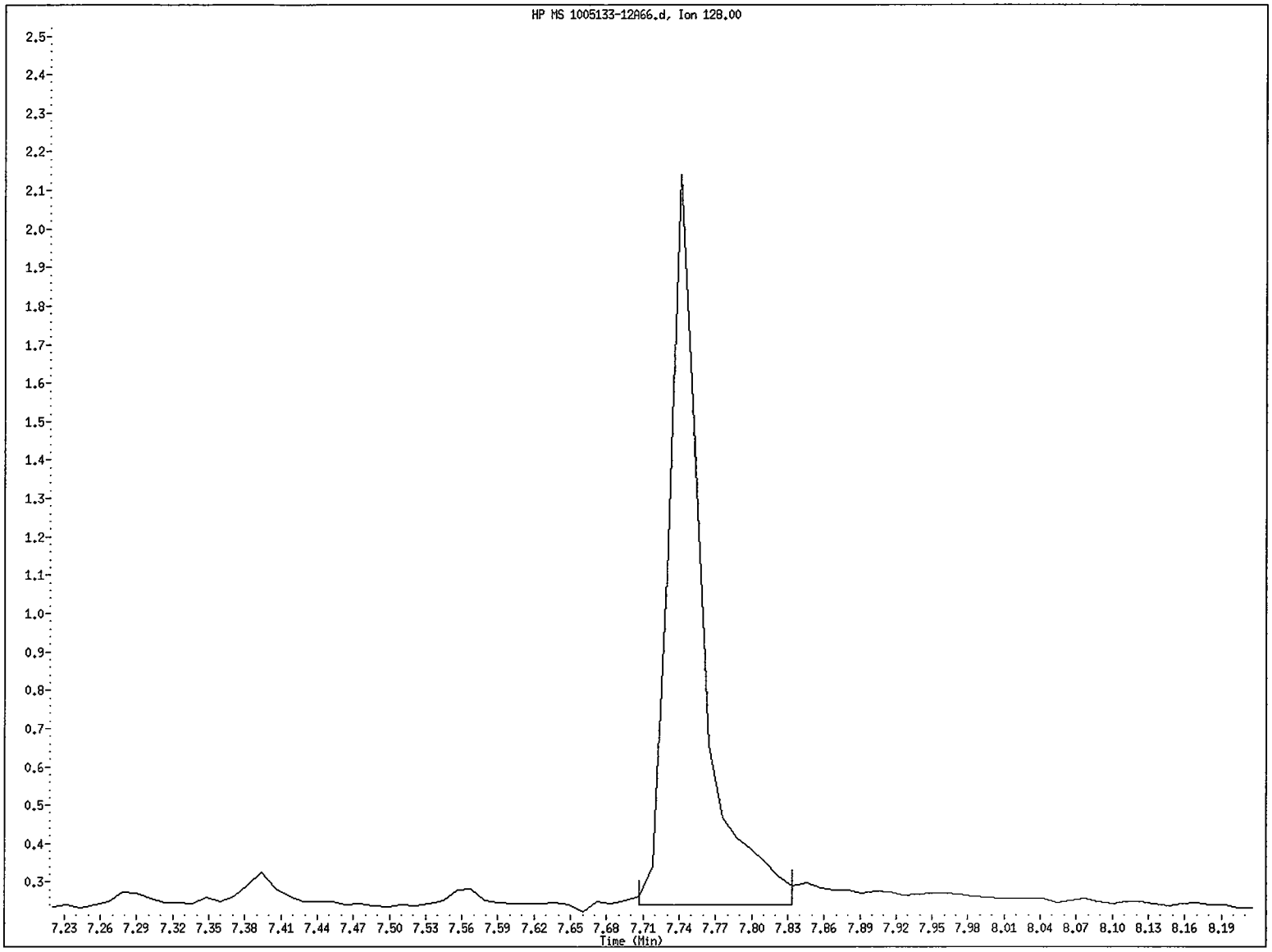
Data File: /chem/5972hp66.i/DT100624A66.b/1005133-12A66.d
Report Date: 25-Jun-2010 11:26

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	14.036	14.014	(1.002)	6867	0.13923	2.4(a)
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	16.392	16.366	(1.171)	9243	0.19678	3.4(aM)
28 Pyrene	202	16.816	16.789	(0.874)	8530	0.19407	3.4(aM)
29 Benzo(a)anthracene	228	19.204	19.173	(0.998)	3127	0.09150	1.6(a)
30 Chrysene	228	19.283	19.253	(1.003)	4258	0.12063	2.1(aM)
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

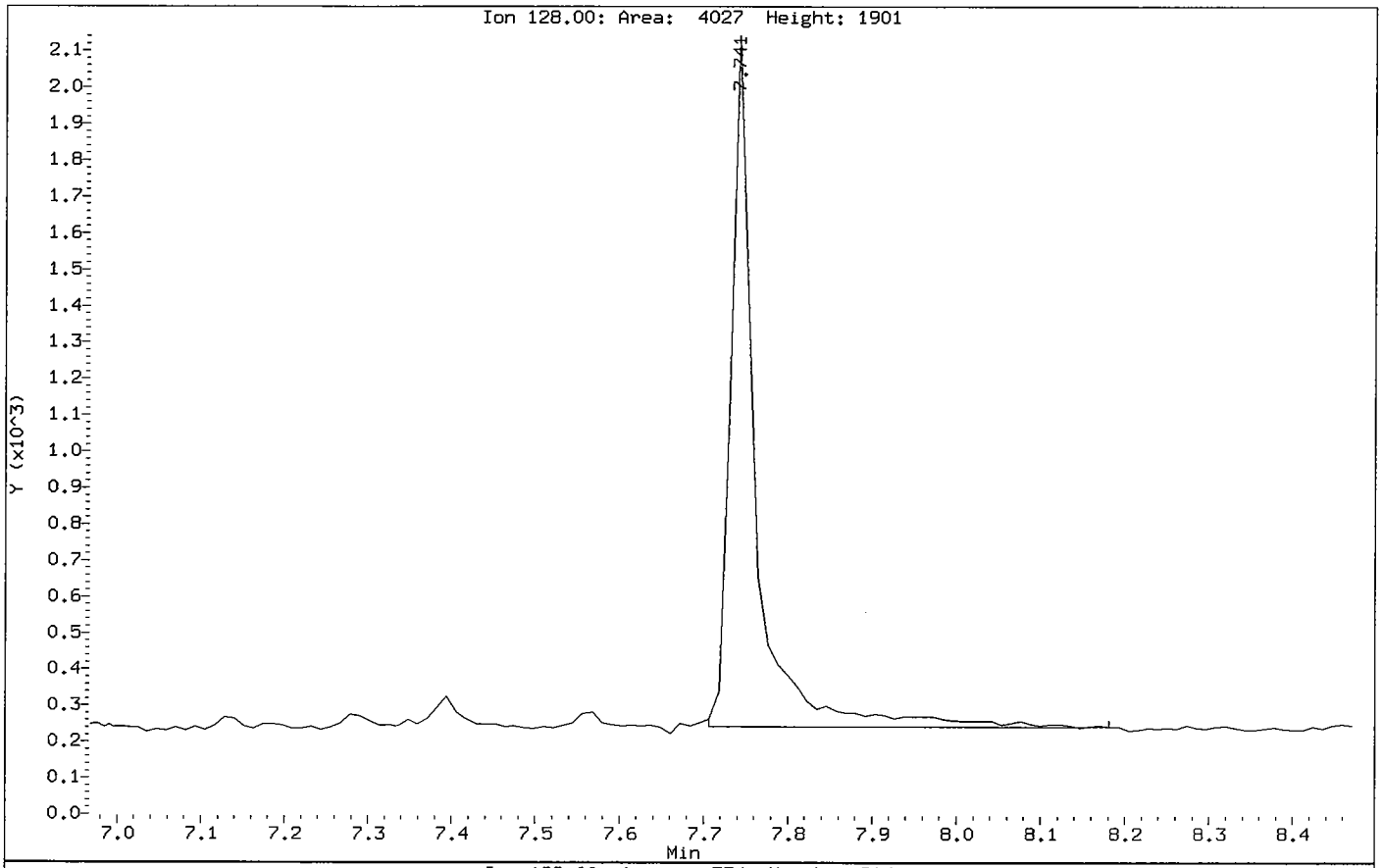
Naphthalene CAS Number 91-20-3 Area = 3621 Manually integrated

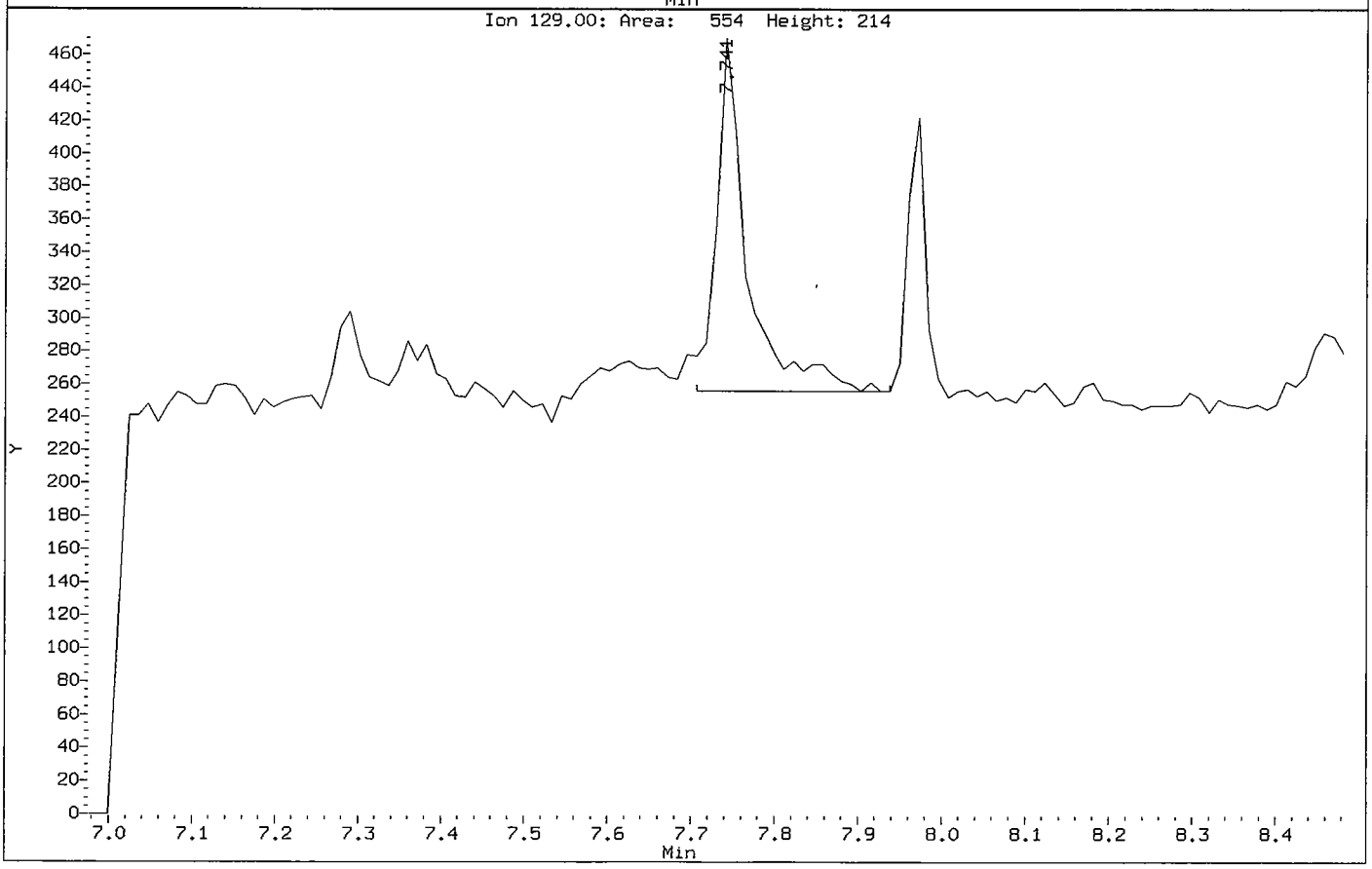


File name: /chem/5972hp66.i/DT100624A66.b/1005133-12A66.d
Client ID: SS72-0-1
Instrument ID: 5972hp66.i
Injection Date and Time: 25-JUN-2010 00:23
Retention Time: 7.74
Operator ID: MEW

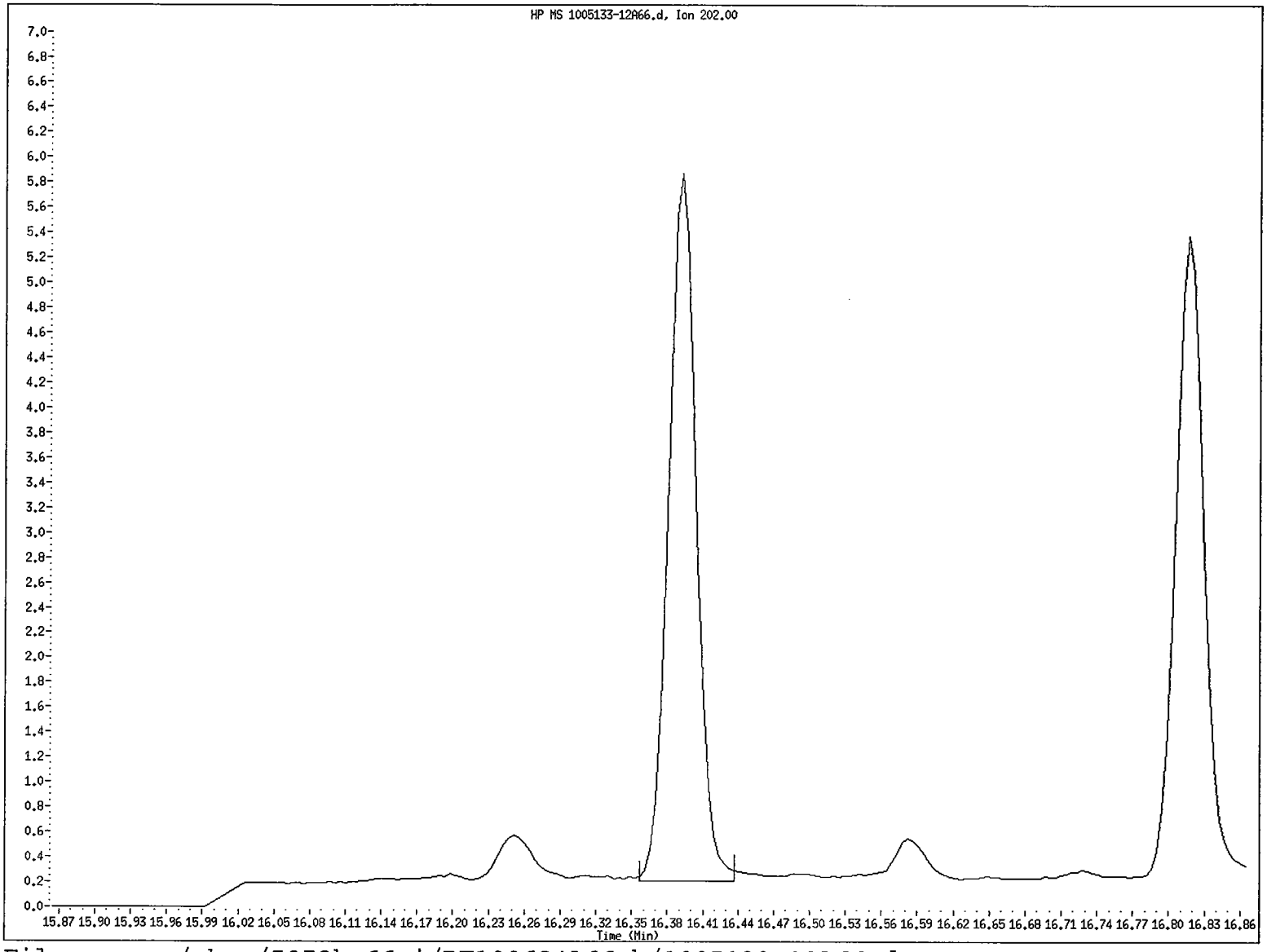
Data File: /chem/5972hp66.i/DT100624A66.b/1005133-12A66.d
Injection Date: 25-JUN-2010 00:23
Instrument: 5972hp66.i
Client Sample ID: SS72-0-1

Compound: Naphthalene
CAS Number: 91-20-3





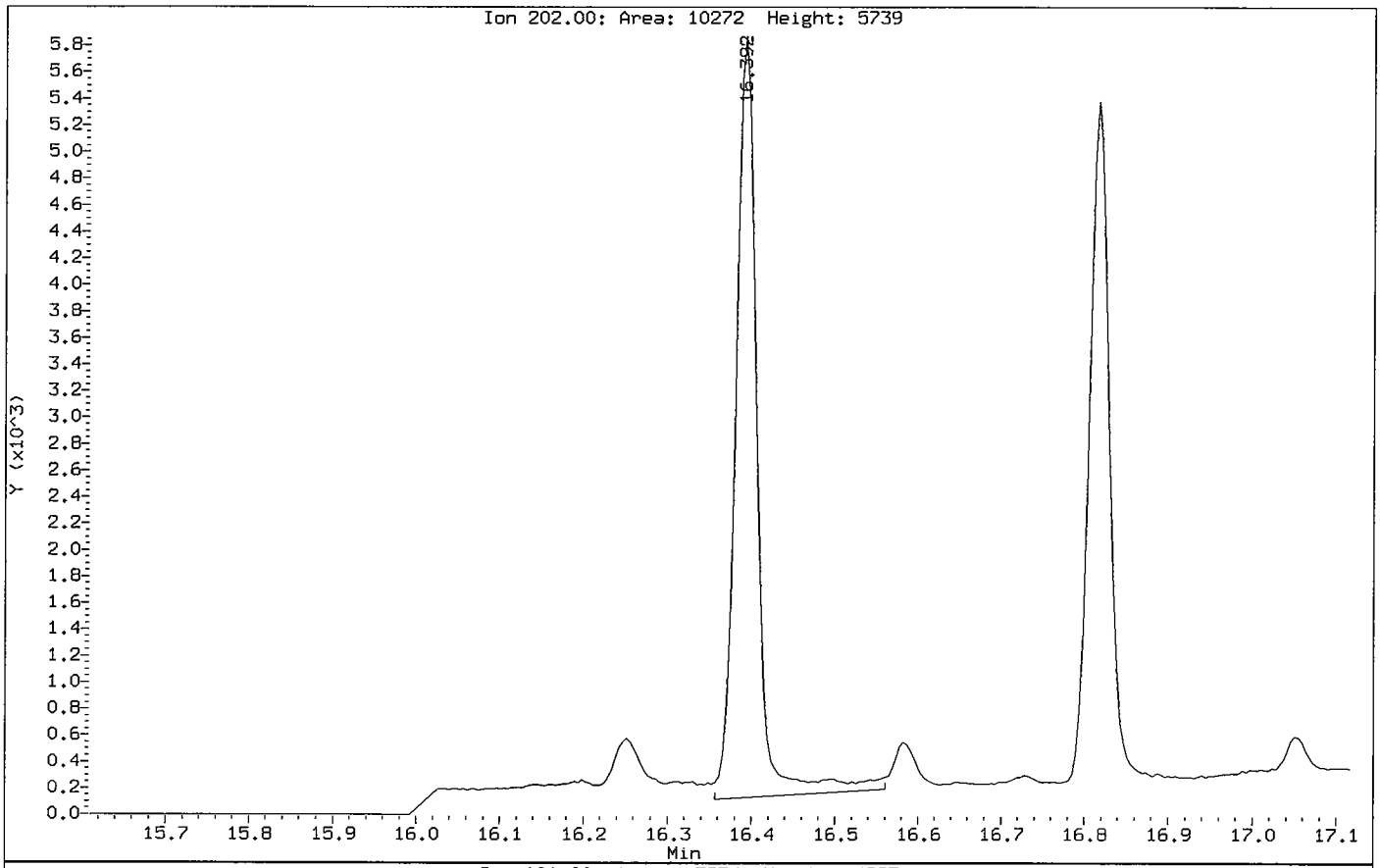
Fluoranthene CAS Number 206-44-0 Area = 9243 Manually integrated

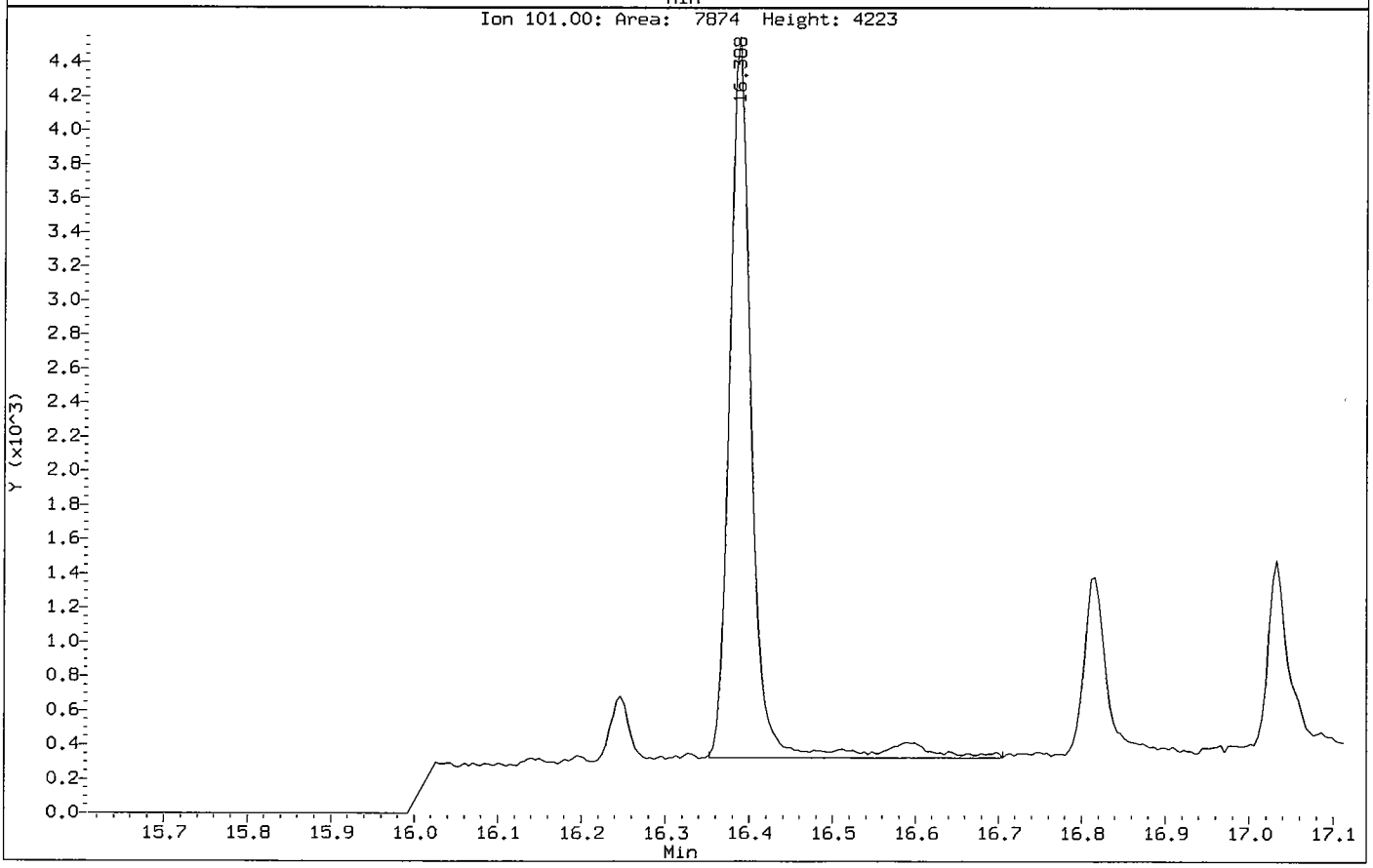


File name: /chem/5972hp66.i/DT100624A66.b/1005133-12A66.d
Client ID: SS72-0-1
Instrument ID: 5972hp66.i
Injection Date and Time: 25-JUN-2010 00:23
Retention Time: 16.39
Operator ID: MEW

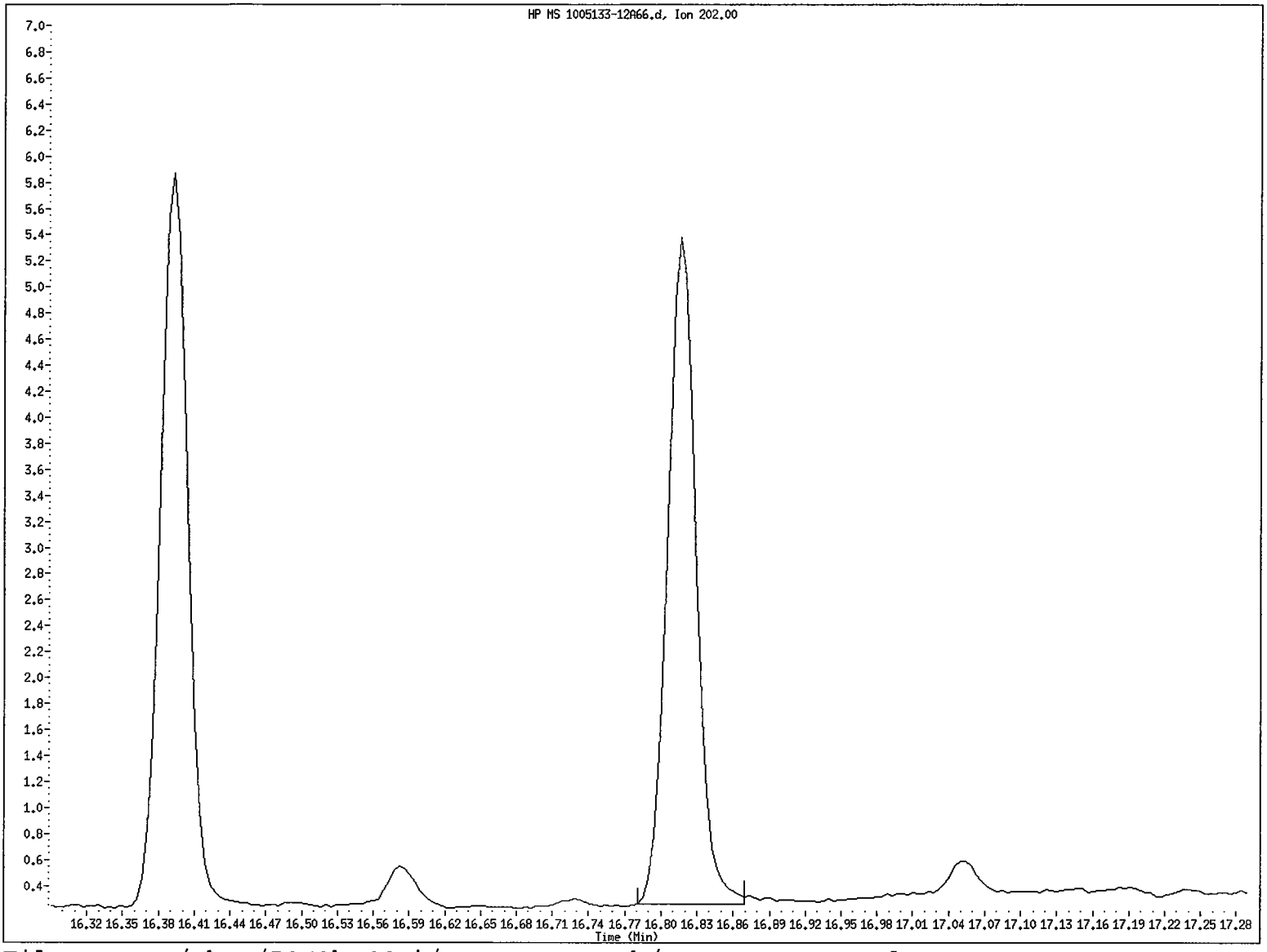
Data File: /chem/5972hp66.i/DT100624A66.b/1005133-12A66.d
Injection Date: 25-JUN-2010 00:23
Instrument: 5972hp66.i
Client Sample ID: SS72-0-1

Compound: Fluoranthene
CAS Number: 206-44-0





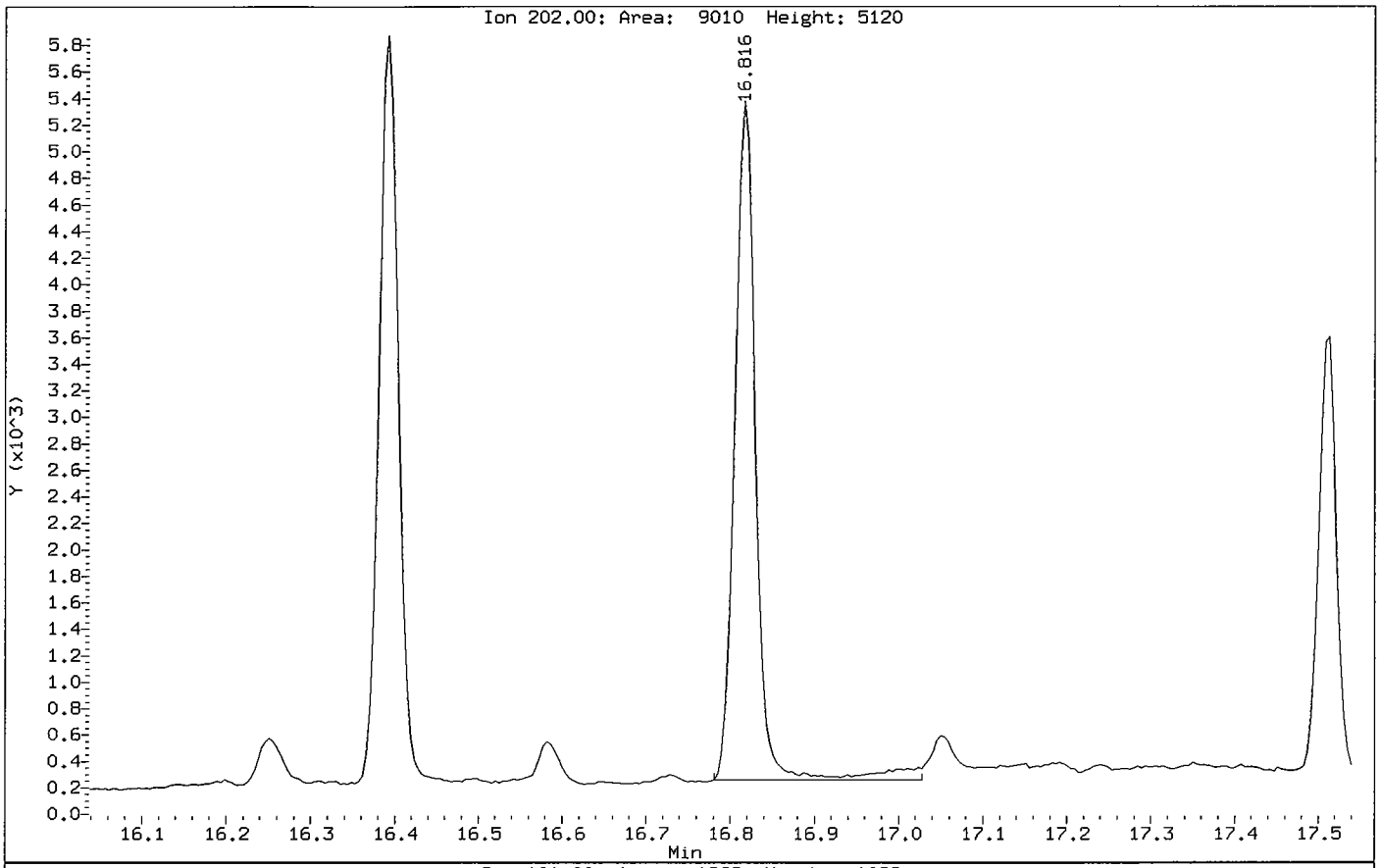
Pyrene CAS Number 129-00-0 Area = 8530 Manually integrated

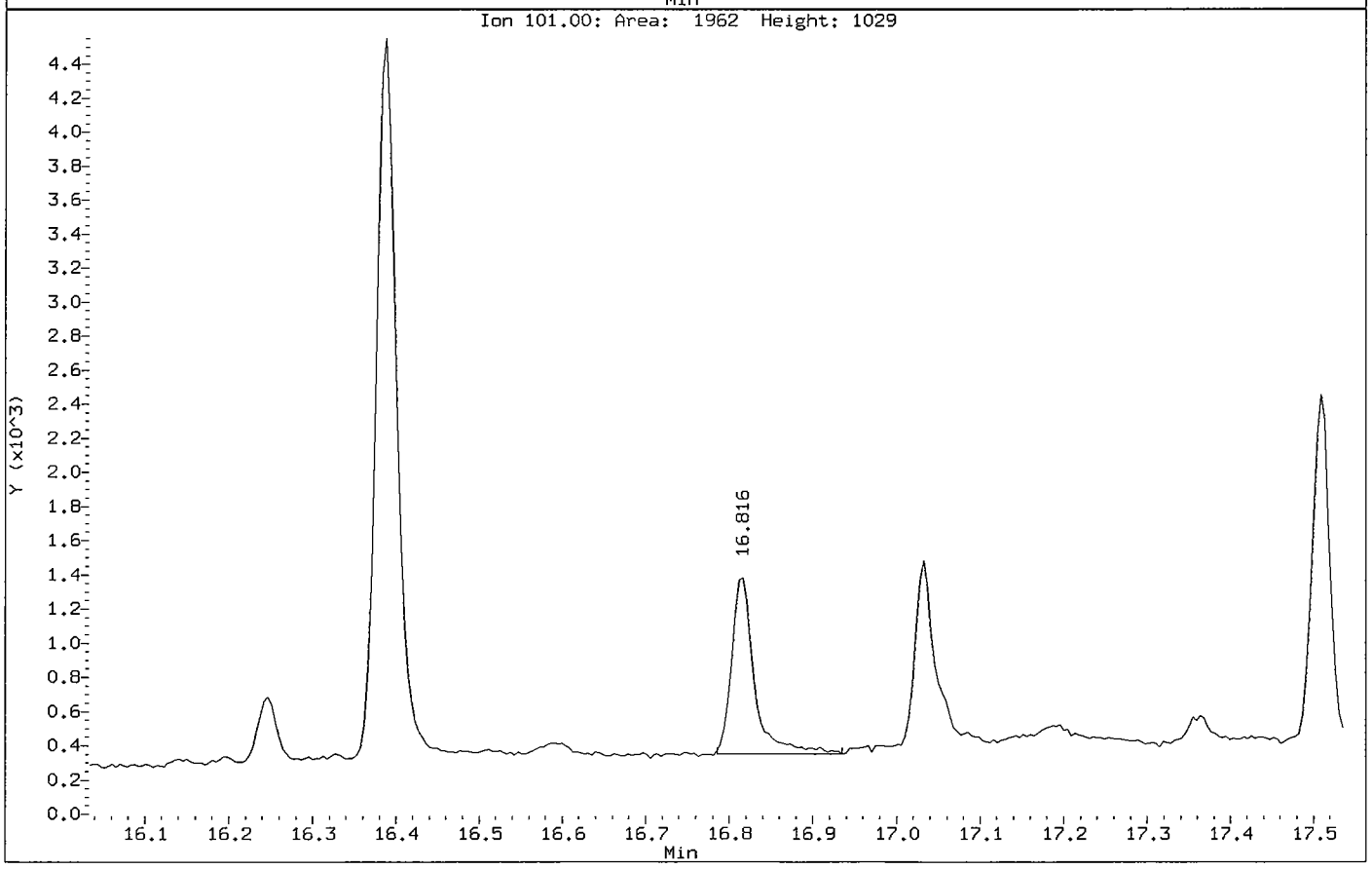


File name: /chem/5972hp66.i/DT100624A66.b/1005133-12A66.d
Client ID: SS72-0-1
Instrument ID: 5972hp66.i
Injection Date and Time: 25-JUN-2010 00:23
Retention Time: 16.82
Operator ID: MEW

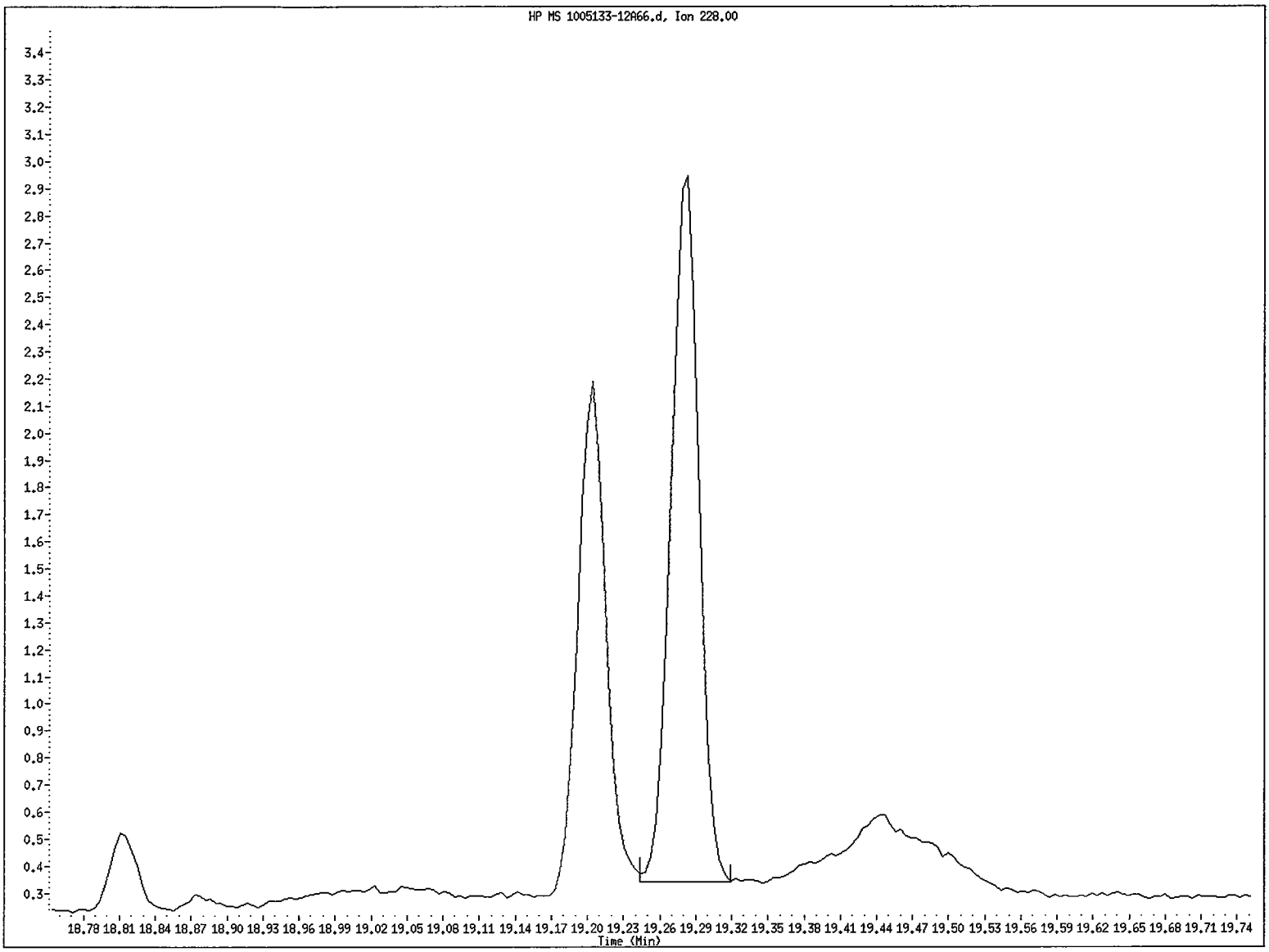
Data File: /chem/5972hp66.i/DT100624A66.b/1005133-12A66.d
Injection Date: 25-JUN-2010 00:23
Instrument: 5972hp66.i
Client Sample ID: SS72-0-1

Compound: Pyrene
CAS Number: 129-00-0





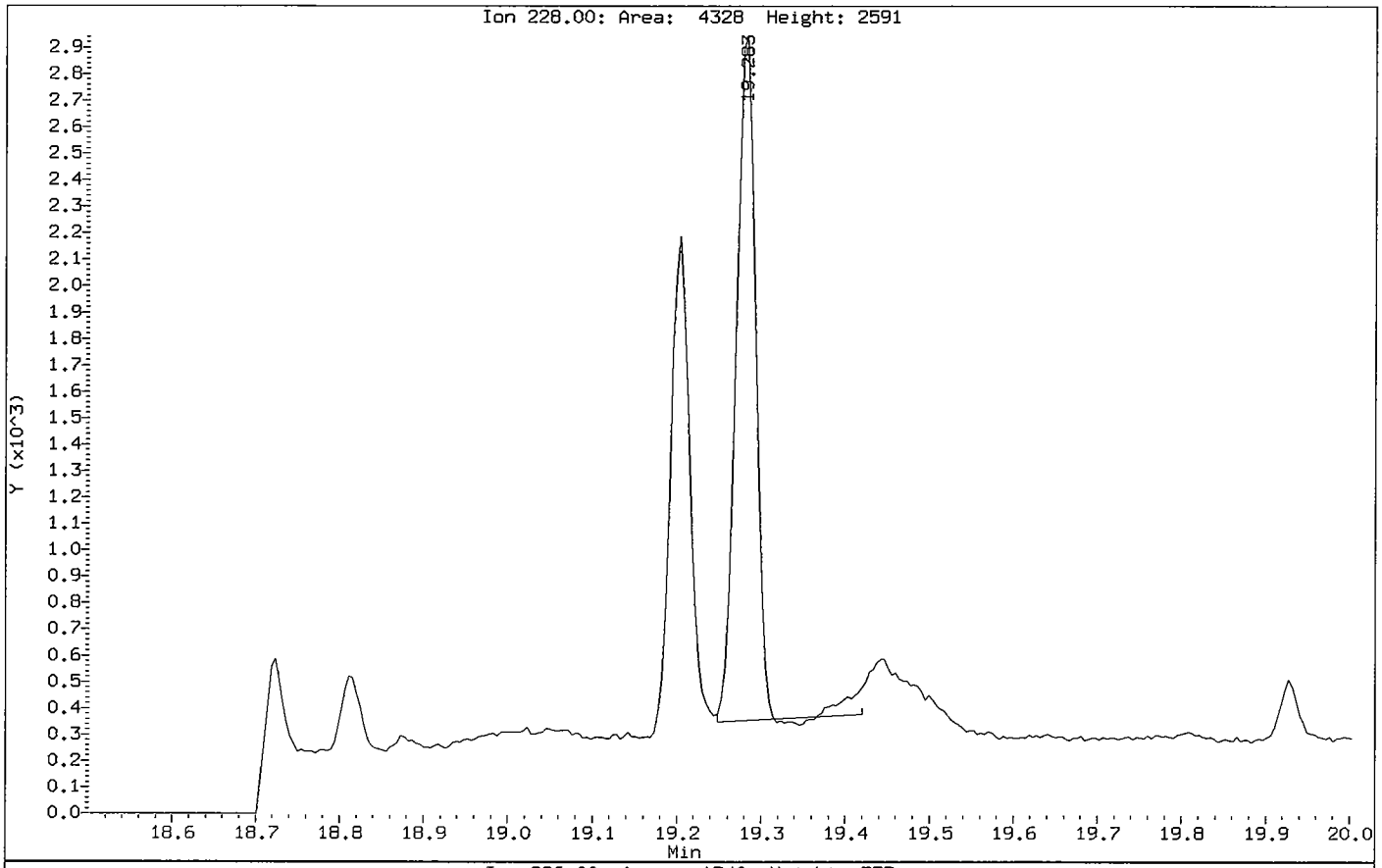
Chrysene CAS Number 218-01-9 Area = 4258 Manually integrated

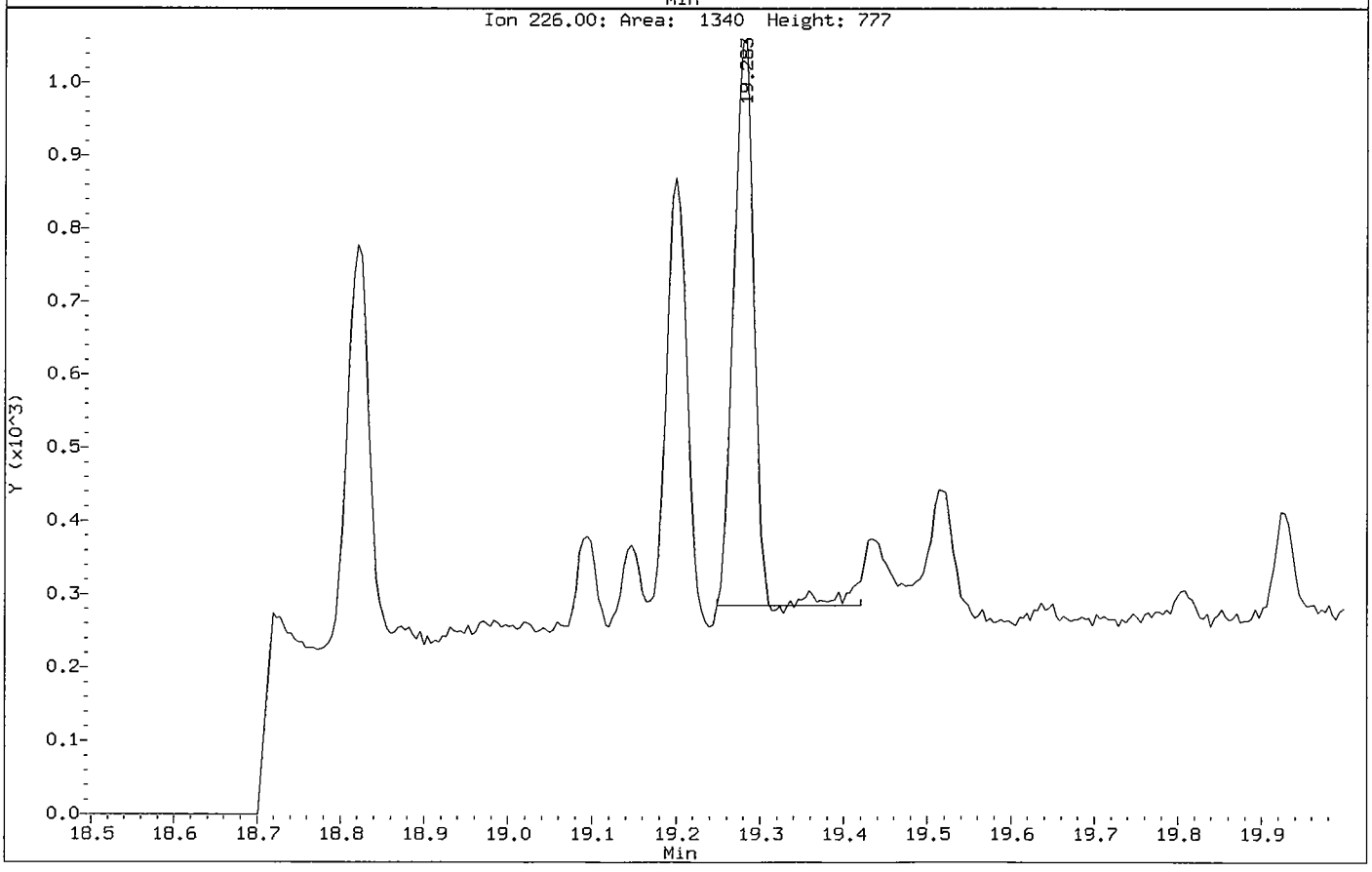


File name: /chem/5972hp66.i/DT100624A66.b/1005133-12A66.d
Client ID: SS72-0-1
Instrument ID: 5972hp66.i
Injection Date and Time: 25-JUN-2010 00:23
Retention Time: 19.28
Operator ID: MEW

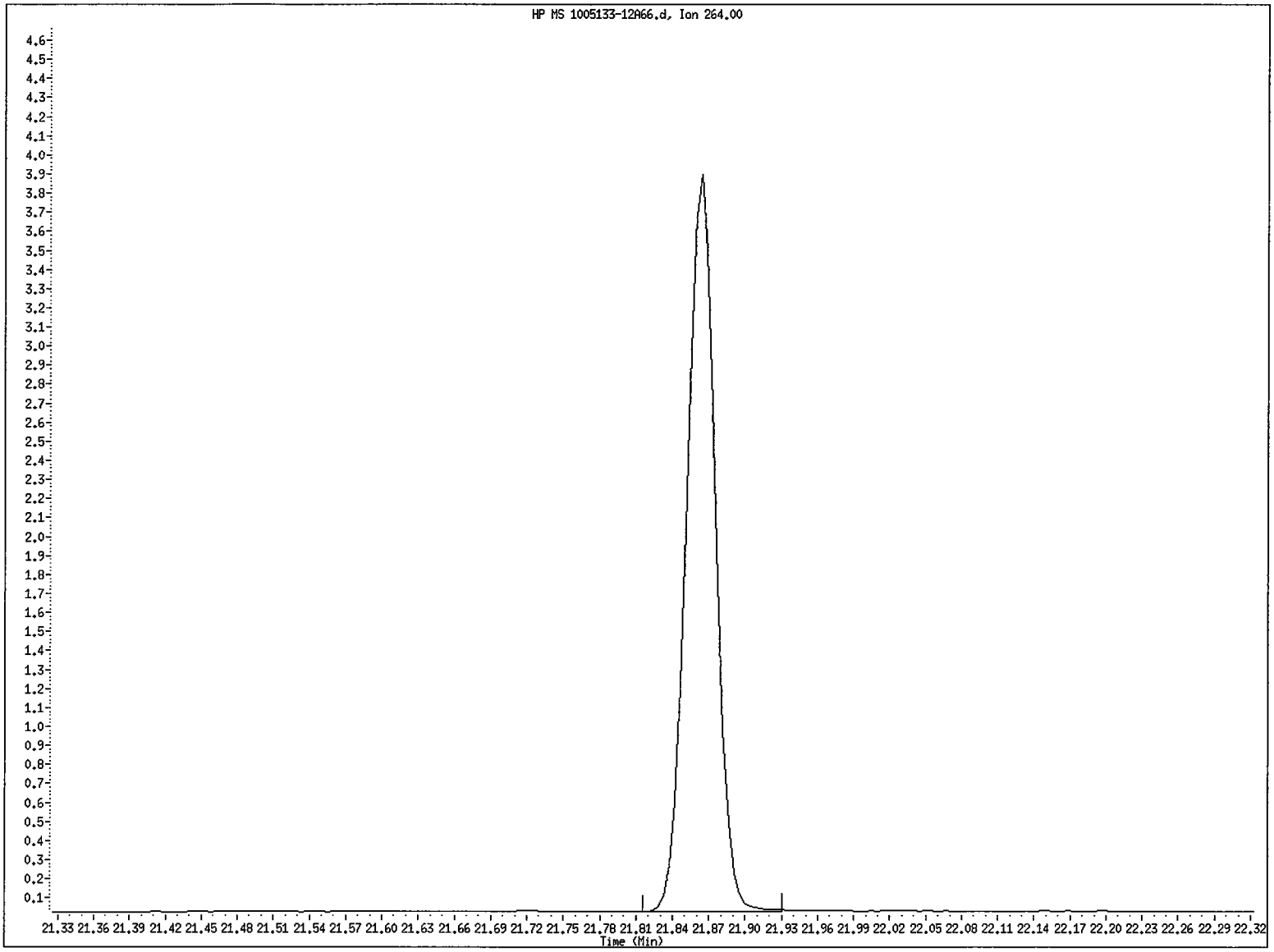
Data File: /chem/5972hp66.i/DT100624A66.b/1005133-12A66.d
Injection Date: 25-JUN-2010 00:23
Instrument: 5972hp66.i
Client Sample ID: SS72-0-1

Compound: Chrysene
CAS Number: 218-01-9





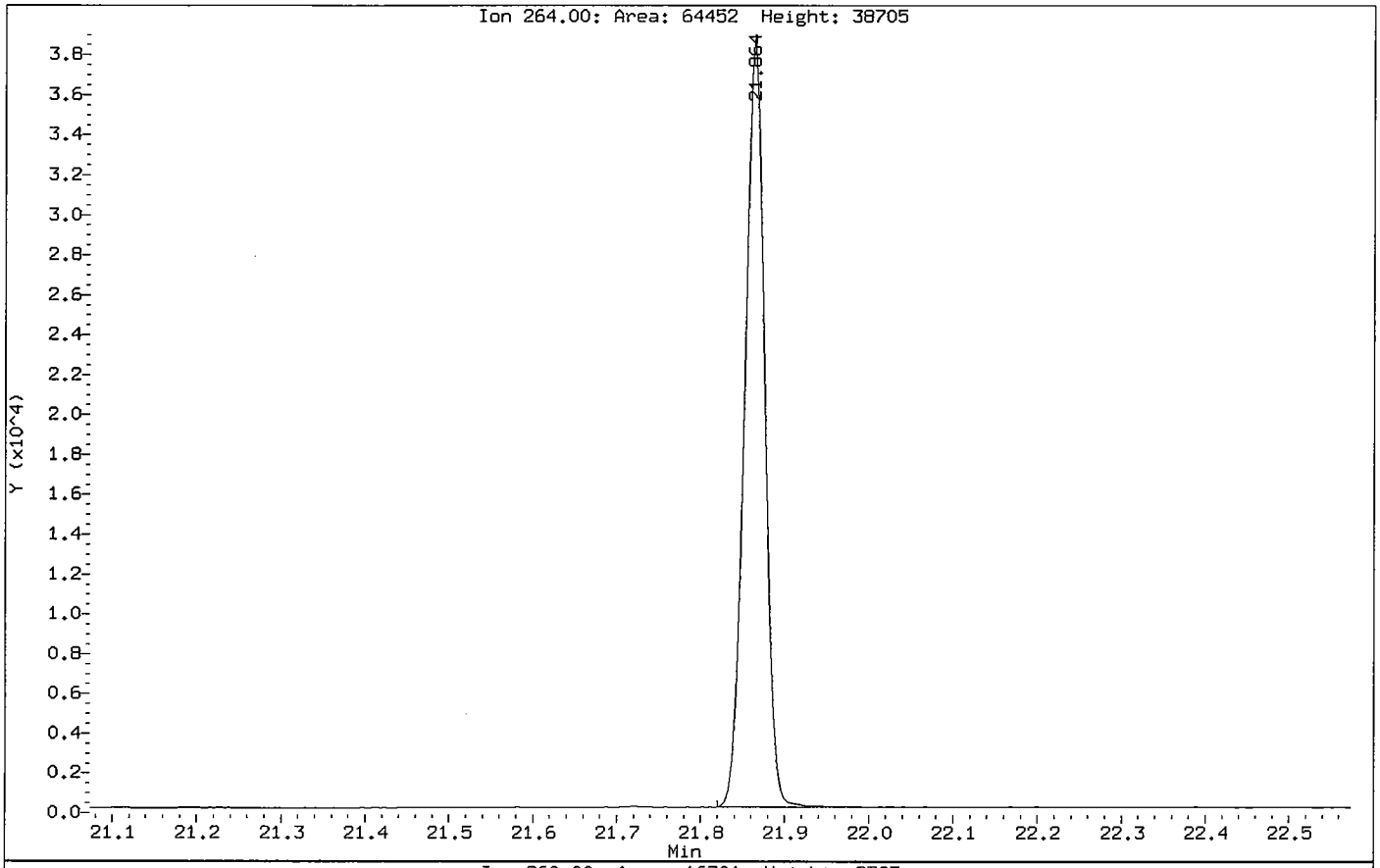
Perylene-d12 CAS Number 1520-96-3 Area = 64424 Manually integrated

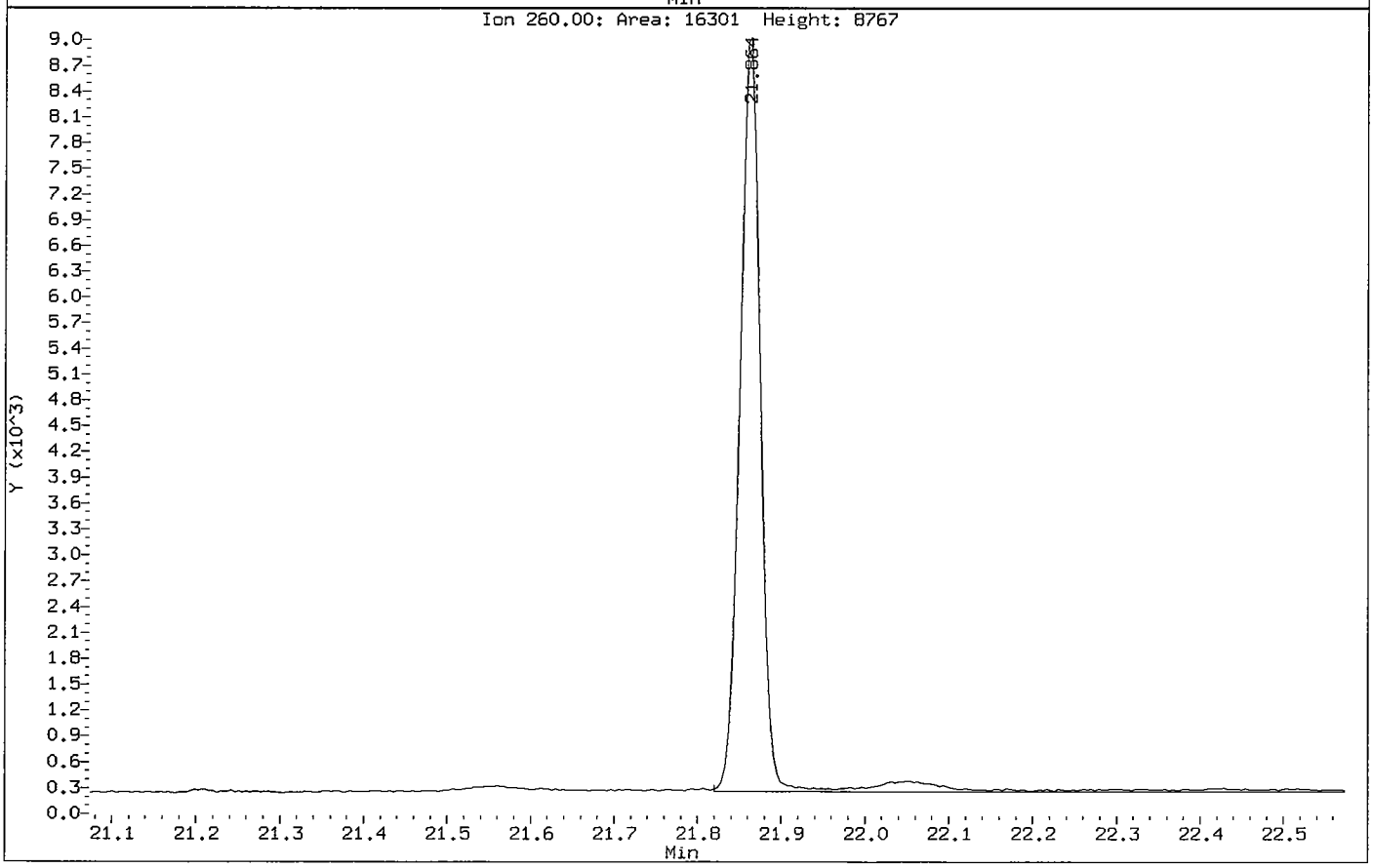


File name: /chem/5972hp66.i/DT100624A66.b/1005133-12A66.d
Client ID: SS72-0-1
Instrument ID: 5972hp66.i
Injection Date and Time: 25-JUN-2010 00:23
Retention Time: 21.86
Operator ID: MEW

Data File: /chem/5972hp66.i/DT100624A66.b/1005133-12A66.d
Injection Date: 25-JUN-2010 00:23
Instrument: 5972hp66.i
Client Sample ID: SS72-0-1

Compound: Perylene-d12
CAS Number: 1520-96-3





Data File: /chem/5972hp66.i/DT100624A66.b/1005133-12A66.d

Date : 25-JUN-2010 00:23

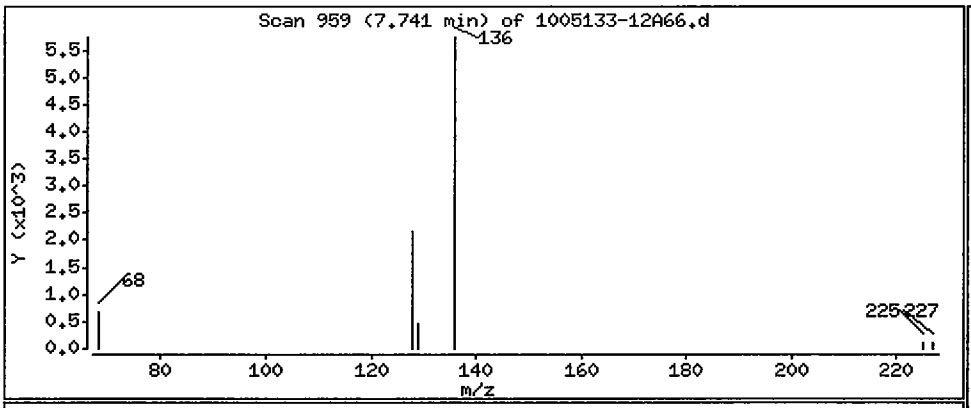
Client ID: SS72-0-1 Instrument: 5972hp66.i

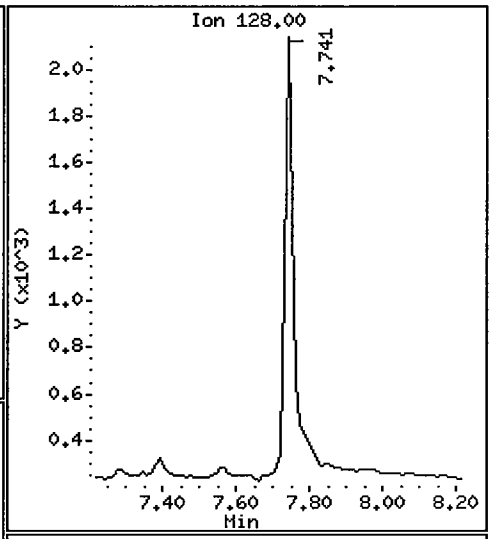
Sample Info: 1005133-12:MEW

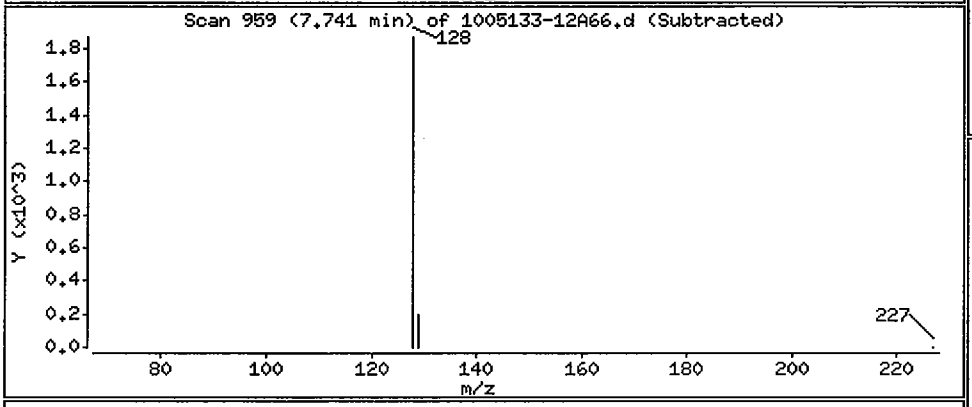
Volume Injected (uL): 2.0 Operator: MEW

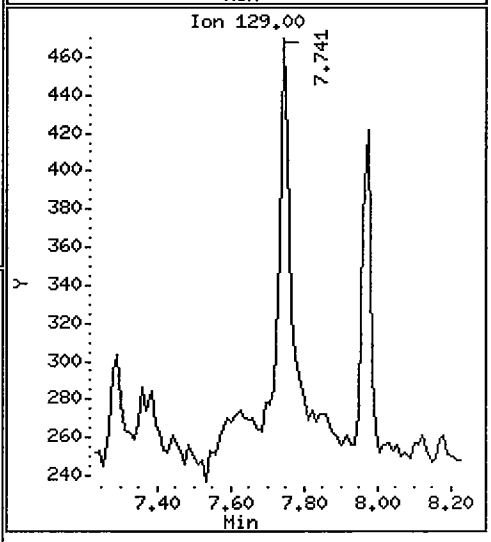
Column phase: Rtx-5MS Column diameter: 0.32

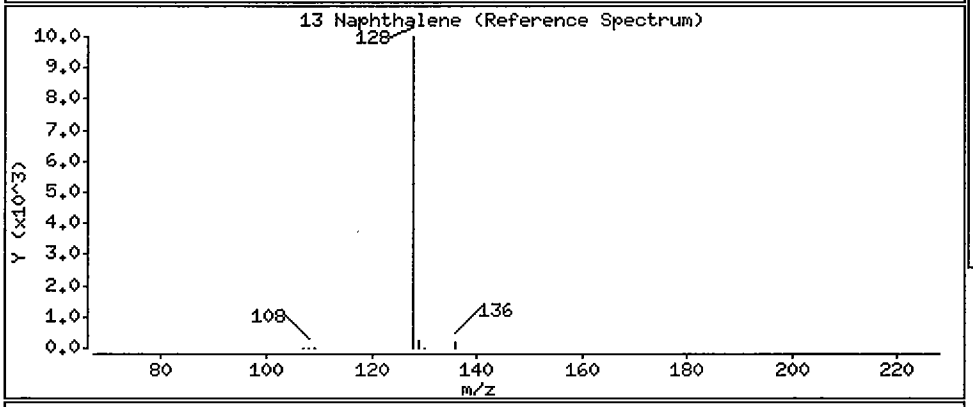
13 Naphthalene Concentration: 1.2 ug/Kg

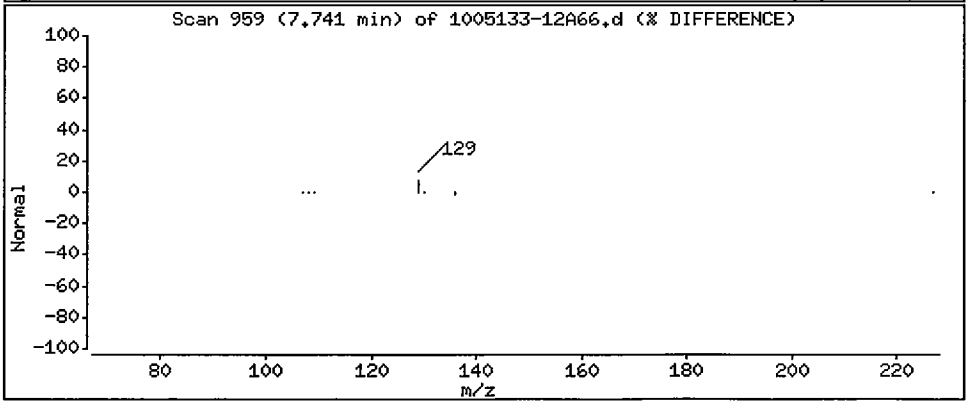












Data File: /chem/5972hp66.i/DT100624A66.b/1005133-12A66.d

Date : 25-JUN-2010 00:23

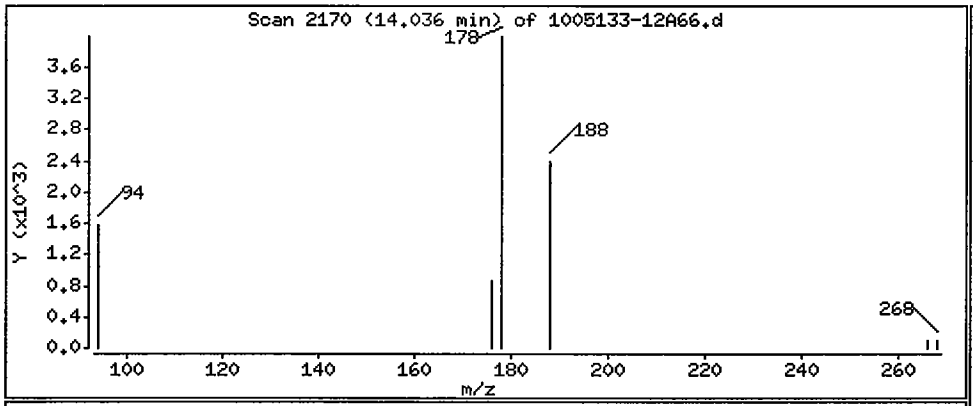
Client ID: SS72-0-1 Instrument: 5972hp66.i

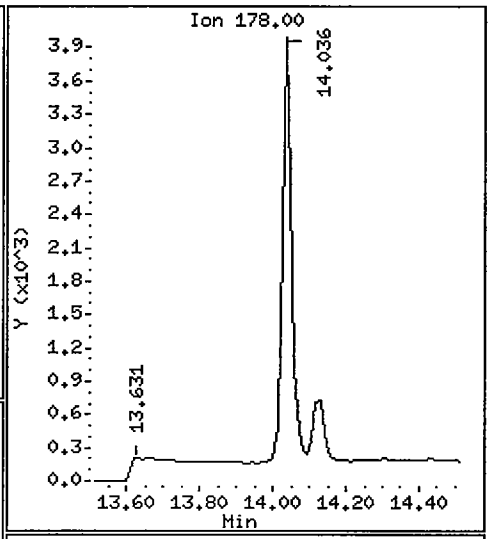
Sample Info: 1005133-12:MEW

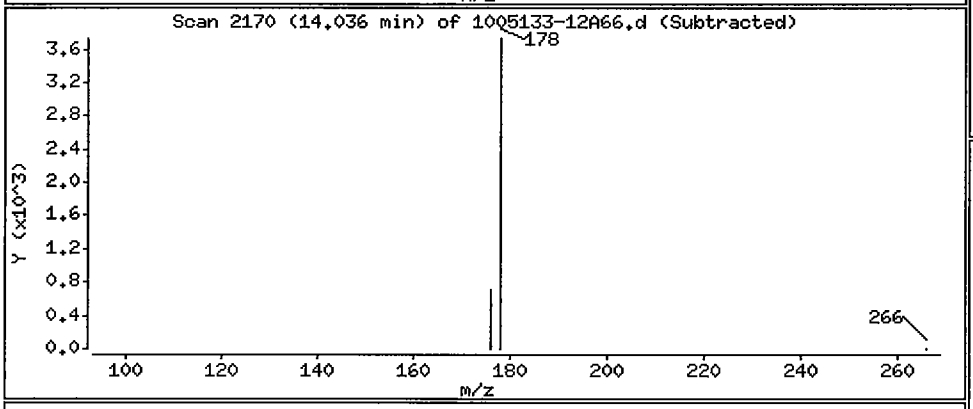
Volume Injected (uL): 2.0 Operator: MEW

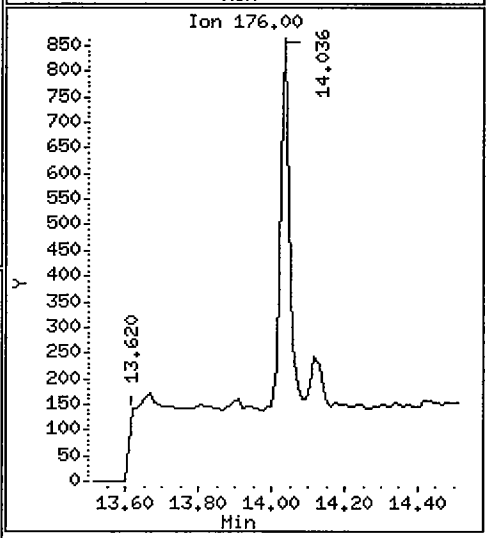
Column phase: Rtx-5MS Column diameter: 0.32

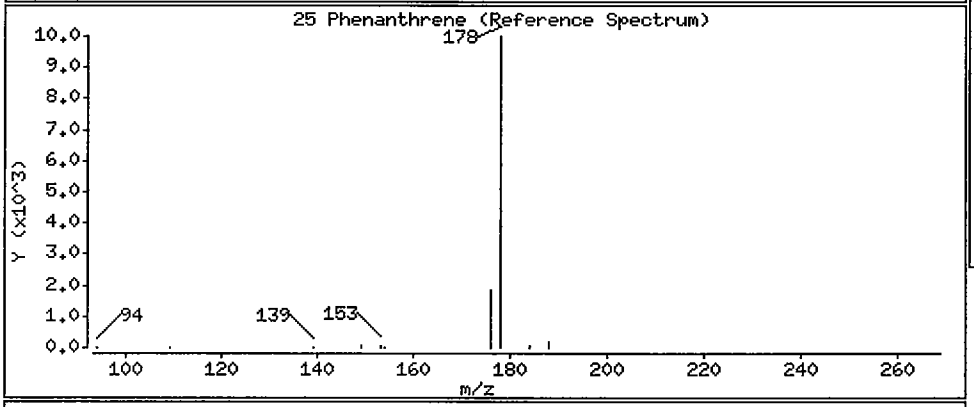
25 Phenanthrene Concentration: 2.4 ug/Kg

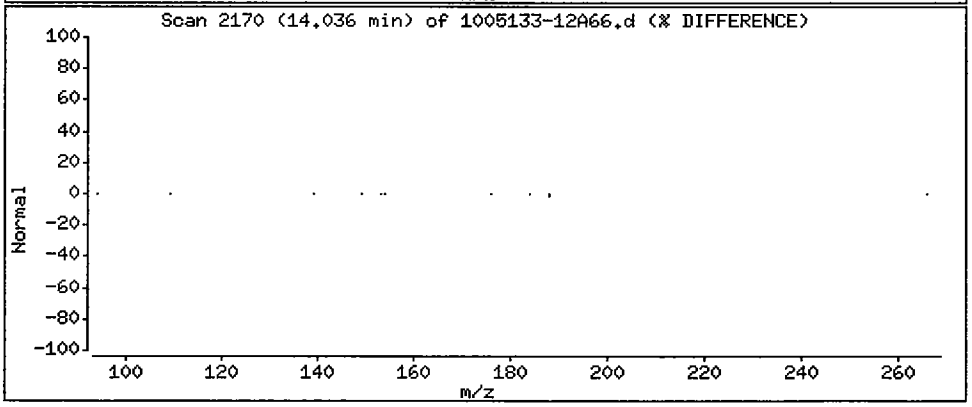












Data File: /chem/5972hp66.i/DT100624A66.b/1005133-12A66.d

Date : 25-JUN-2010 00:23

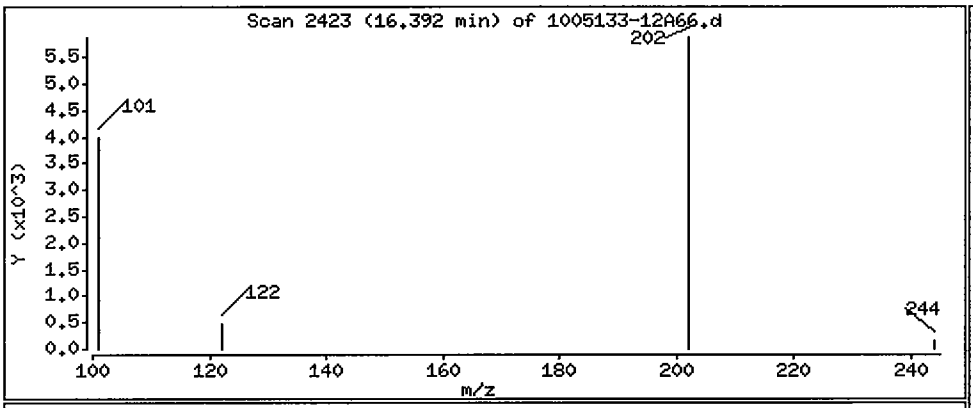
Client ID: SS72-0-1 Instrument: 5972hp66.i

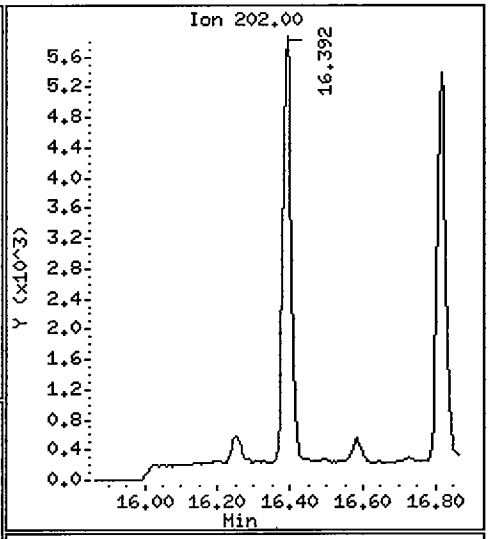
Sample Info: 1005133-12:MEW

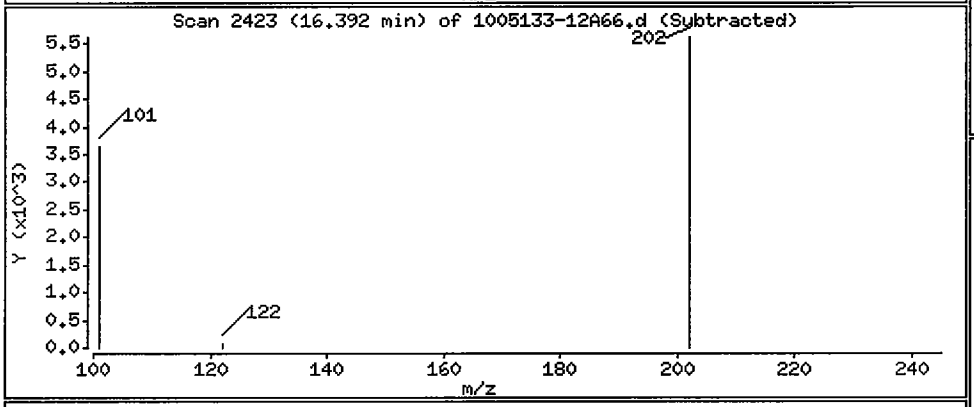
Volume Injected (uL): 2.0 Operator: MEW

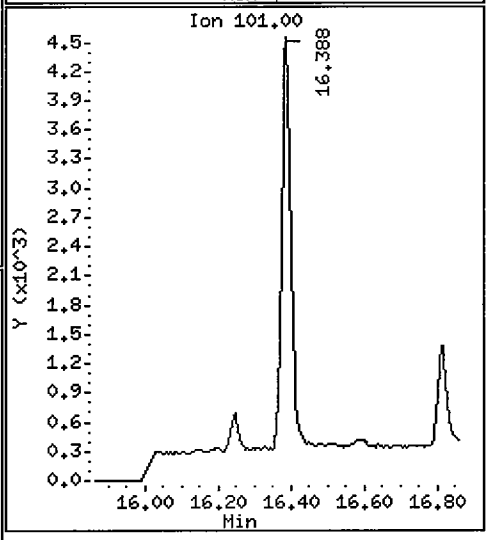
Column phase: Rtx-5MS Column diameter: 0.32

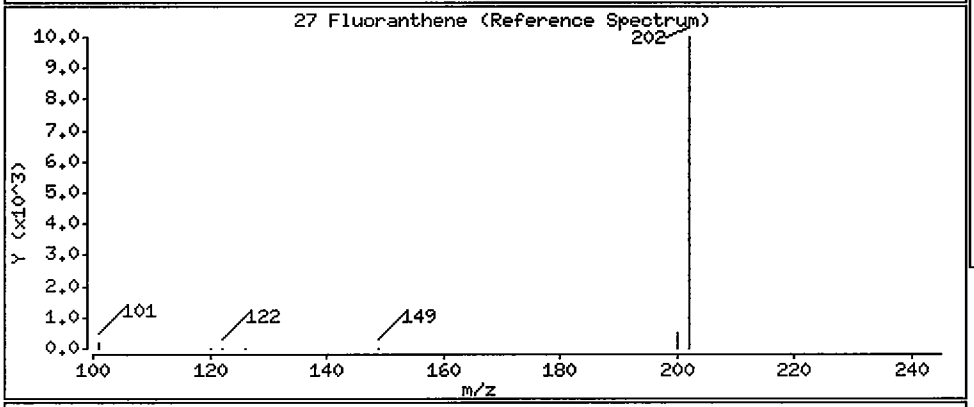
27 Fluoranthene Concentration: 3.4 ug/Kg

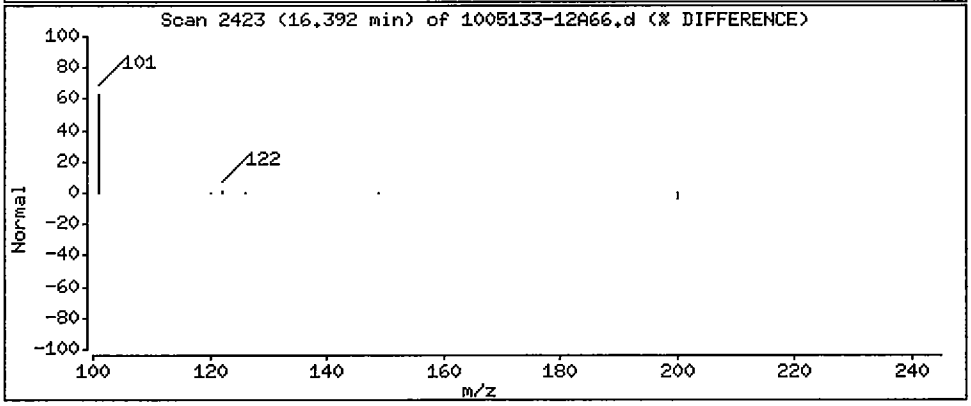












Data File: /chem/5972hp66.i/DT100624A66.b/1005133-12A66.d

Date : 25-JUN-2010 00:23

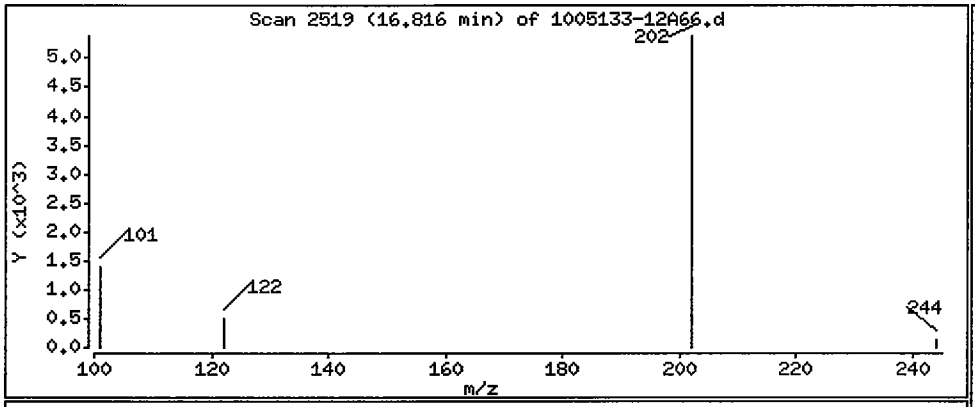
Client ID: SS72-0-1 Instrument: 5972hp66.i

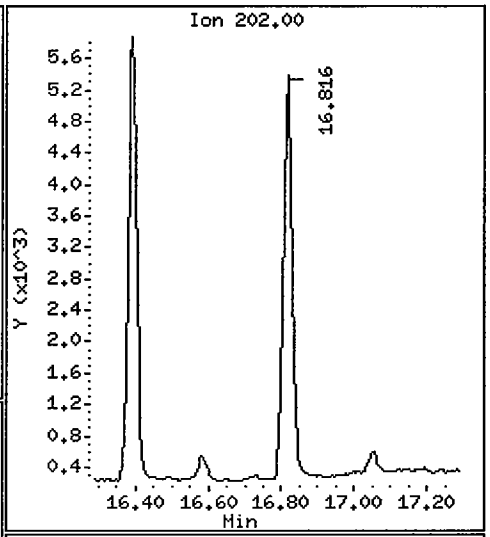
Sample Info: 1005133-12:MEW

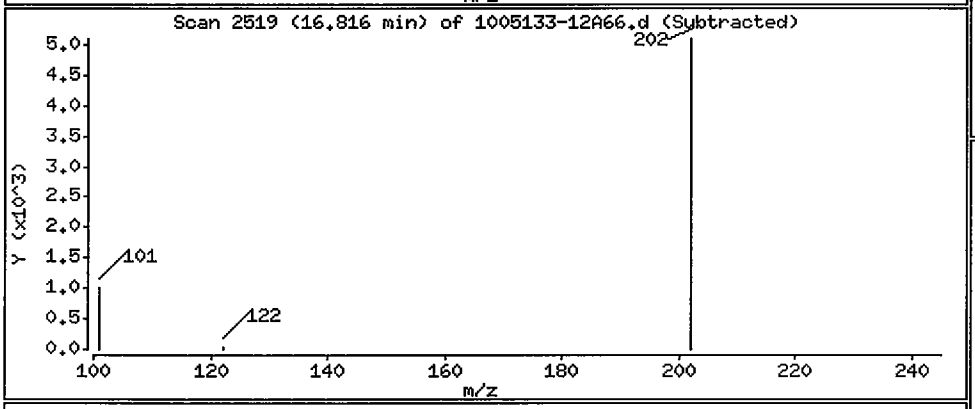
Volume Injected (uL): 2.0 Operator: MEW

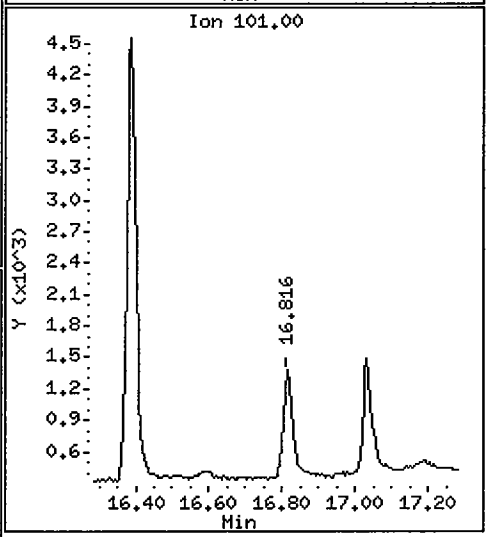
Column phase: Rtx-5MS Column diameter: 0.32

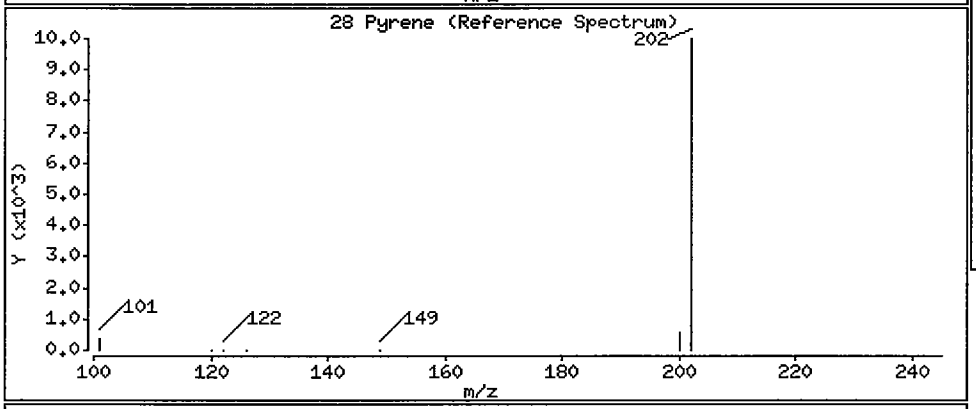
28 Pyrene Concentration: 3.4 ug/Kg

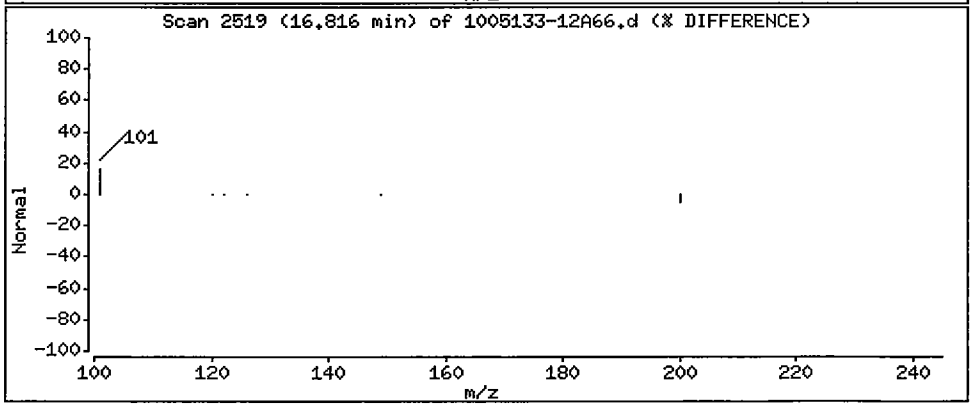












Data File: /chem/5972hp66.i/DT100624A66.b/1005133-12A66.d

Date : 25-JUN-2010 00:23

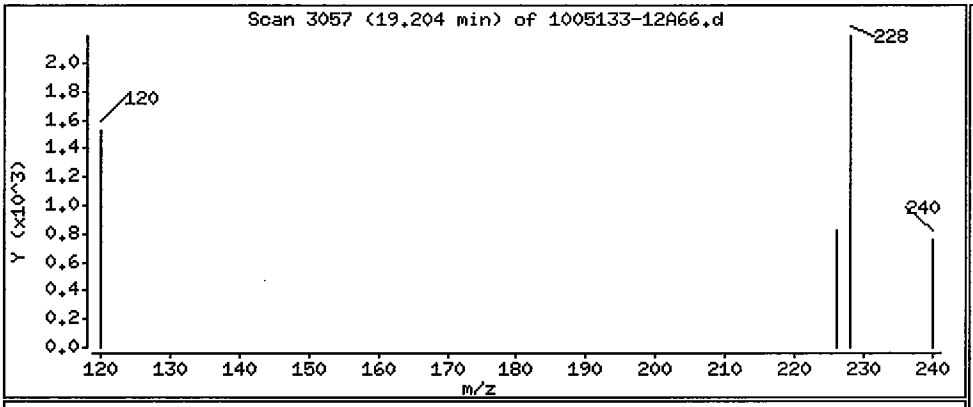
Client ID: SS72-0-1 Instrument: 5972hp66.i

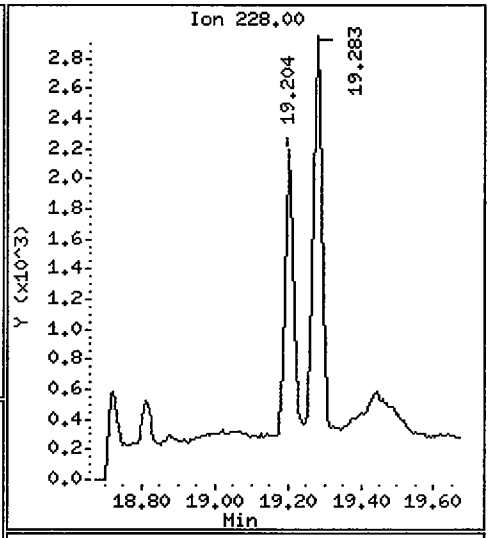
Sample Info: 1005133-12:MEW

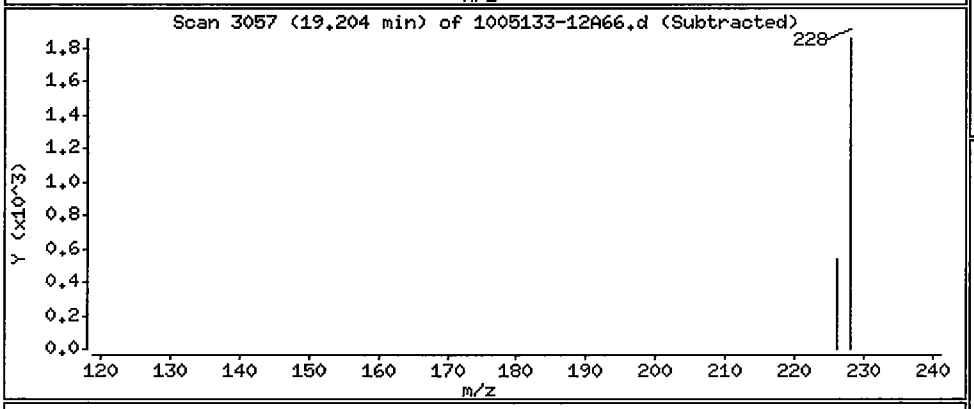
Volume Injected (uL): 2.0 Operator: MEW

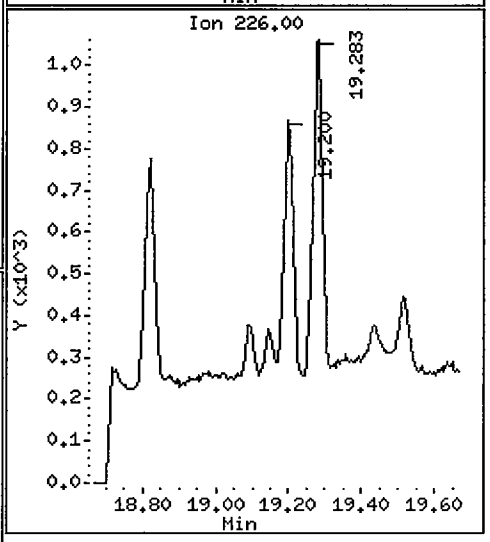
Column phase: Rtx-5MS Column diameter: 0.32

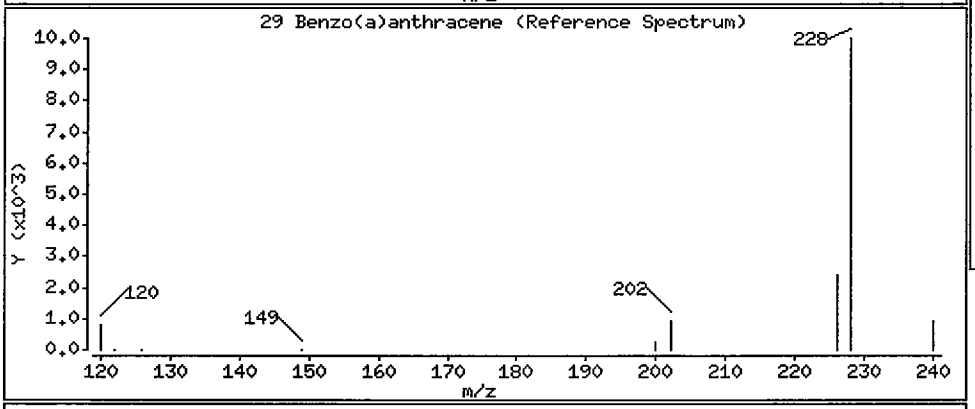
29 Benzo(a)anthracene Concentration: 1.6 ug/Kg

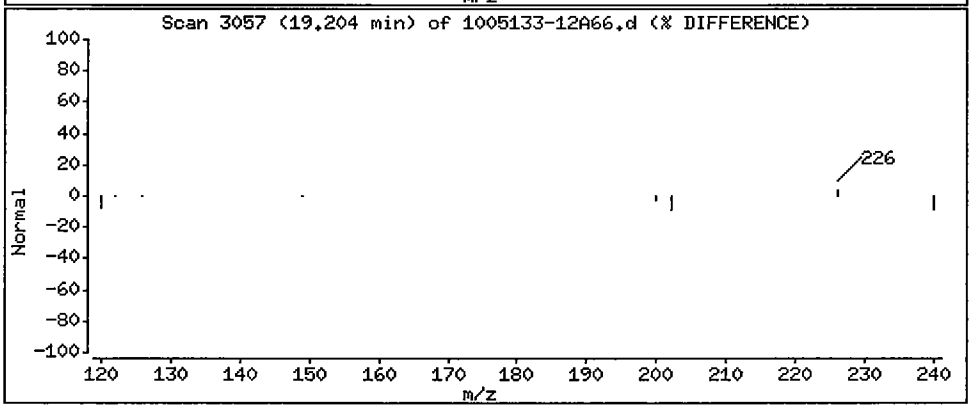












Data File: /chem/5972hp66.i/DT100624A66.b/1005133-12A66.d

Date : 25-JUN-2010 00:23

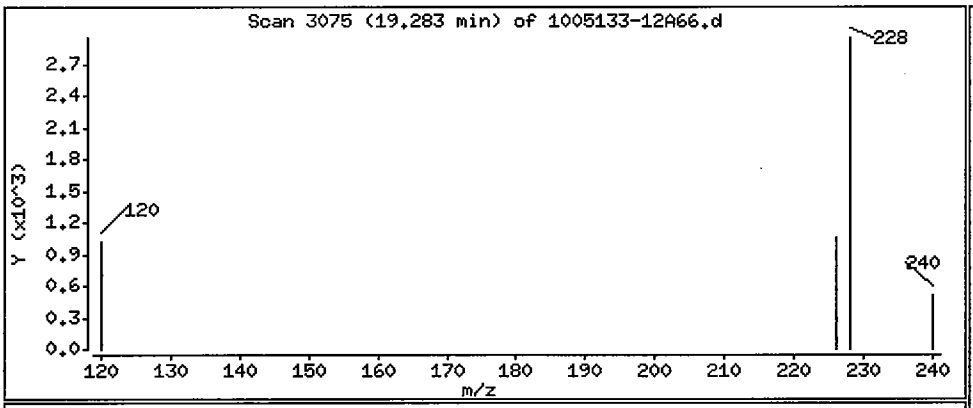
Client ID: SS72-0-1 Instrument: 5972hp66.i

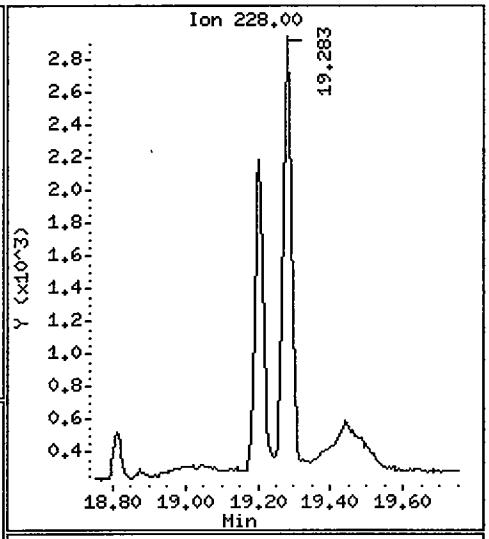
Sample Info: 1005133-12:MEW

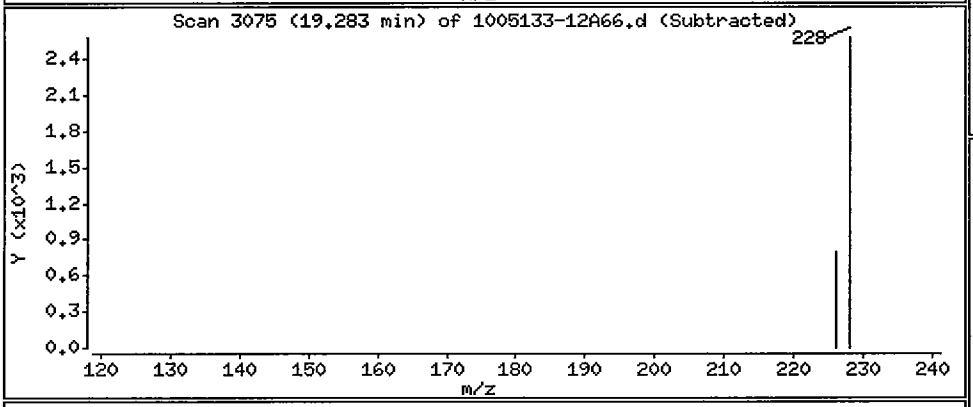
Volume Injected (uL): 2.0 Operator: MEW

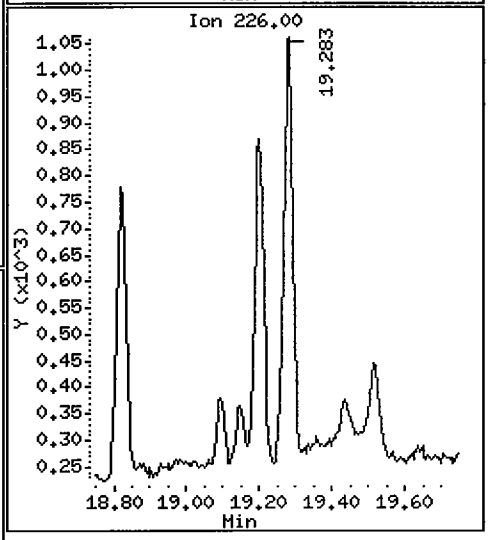
Column phase: Rtx-5MS Column diameter: 0.32

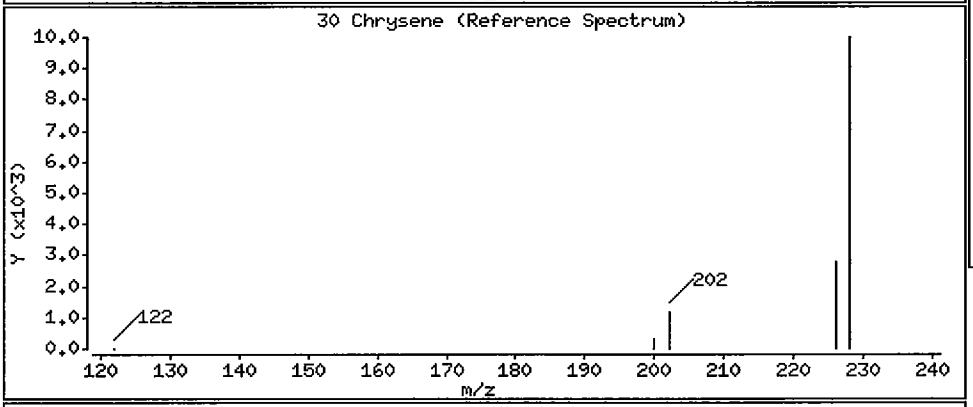
30 Chrysene Concentration: 2.1 ug/Kg

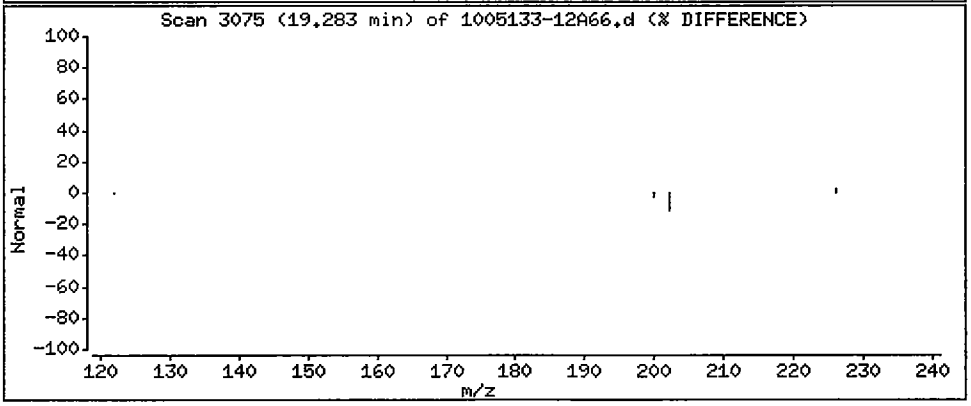












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SS73-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/14/10

Lab Sample ID: 1005133-01
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/14/10
Lab File ID: 1005133-01JC66
Analyst: 2743

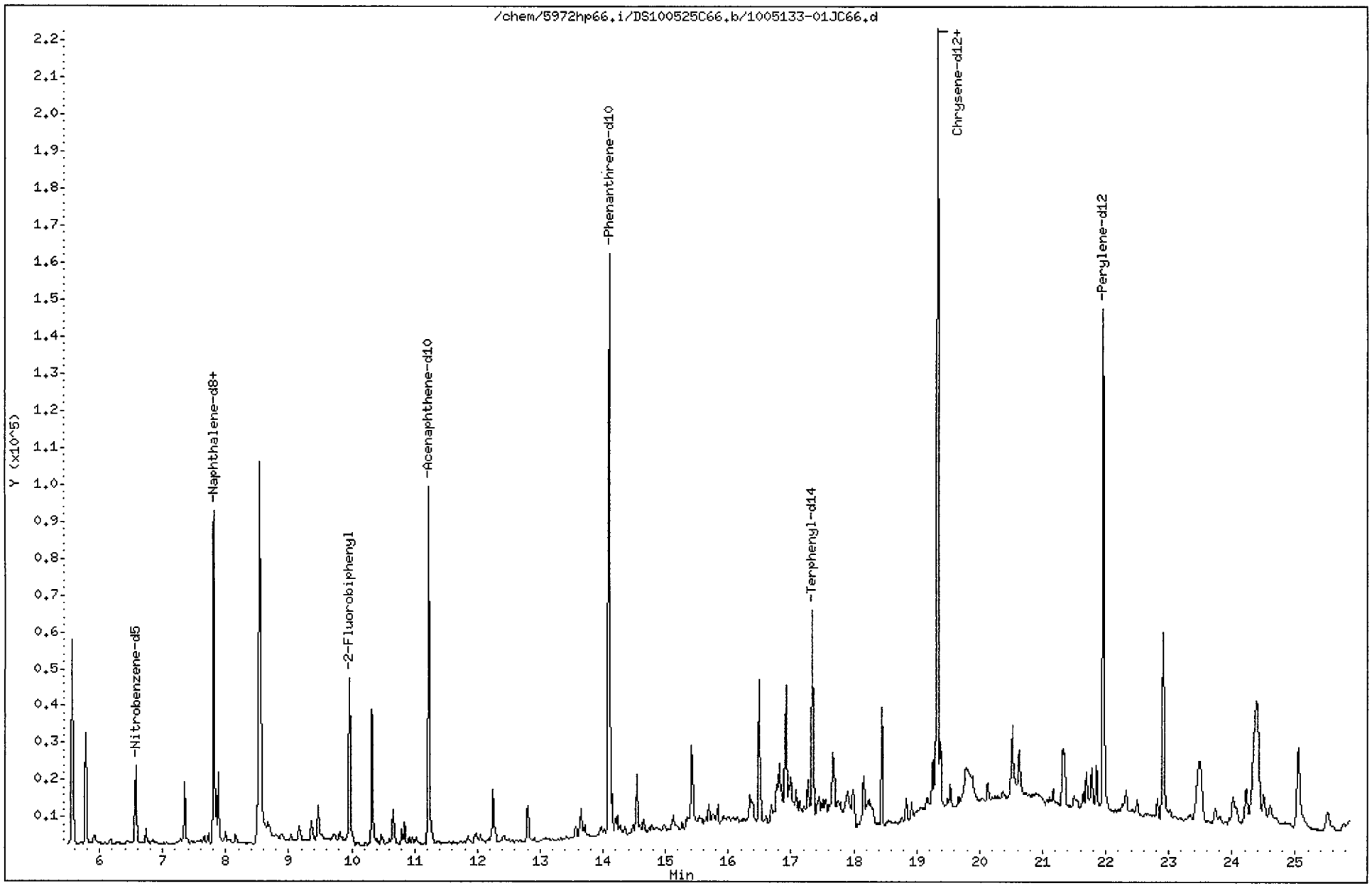
% Moisture: 4 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0051920-BLK1

Date Extracted: 05/20/10
Date Analyzed: 05/26/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.75	8.6	0.92	JB
91-57-6	2-Methylnaphthalene	0.71	8.6	ND	U
208-96-8	Acenaphthylene	0.56	8.6	ND	U
83-32-9	Acenaphthene	0.62	8.6	ND	U
86-73-7	Fluorene	0.47	8.6	ND	U
85-01-8	Phenanthrene	1.4	8.6	1.6	J
120-12-7	Anthracene	0.45	8.6	ND	U
206-44-0	Fluoranthene	1.4	8.6	4.0	J
129-00-0	Pyrene	0.59	8.6	3.7	J
56-55-3	Benzo(a)anthracene	0.59	8.6	2.5	J
218-01-9	Chrysene	0.66	8.6	2.5	J
205-99-2	Benzo(b)fluoranthene	0.59	8.6	2.7	J
207-08-9	Benzo(k)fluoranthene	0.45	8.6	2.5	J
50-32-8	Benzo(a)pyrene	0.40	8.6	2.4	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	8.6	1.6	J
53-70-3	Dibenzo(a,h)anthracene	0.35	8.6	0.45	J
191-24-2	Benzo(g,h,i)perylene	0.40	8.6	1.2	J

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp66.i/DS100525C66.b/1005133-01JC66.d
Date : 26-MAY-2010 09:03
Client ID: SS73-0-1
Instrument: 5972hp66.i
Sample Info: 1005133-01:2743
Volume Injected (uL): 2.0
Operator: 2743
Column phase: Rtx-5MS
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100525C66.b/1005133-01JC66.d
Report Date: 01-Jun-2010 18:09

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100525C66.b/1005133-01JC66.d
Lab Smp Id: 1005133-01 Client Smp ID: SS73-0-1
Inj Date : 26-MAY-2010 09:03
Operator : 2743 Inst ID: 5972hp66.i
Smp Info : 1005133-01:2743
Misc Info : SS73-0-1
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100525C66.b/SIM_8270Cv2DOD.m
Meth Date : 01-Jun-2010 18:08 byrd Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	4.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	5.573	5.560	(1.000)	38687	2.00000	
* 2 Naphthalene-d8	136	7.815	7.802	(1.000)	142114	2.00000	
* 3 Acenaphthene-d10	164	11.230	11.231	(1.000)	70709	2.00000	
* 4 Phenanthrene-d10	188	14.100	14.101	(1.000)	217748	2.00000	
* 5 Chrysene-d12	240	19.336	19.336	(1.000)	269995	2.00000	
* 6 Perylene-d12	264	21.961	21.961	(1.000)	180973	2.00000	
$ 9 Nitrobenzene-d5	82	6.577	6.563	(0.842)	21641	0.68434	12
$ 10 2-Fluorobiphenyl	172	9.966	9.966	(0.887)	52838	0.71610	12
$ 12 Terphenyl-d14	244	17.347	17.347	(0.897)	73386	0.74807	13
13 Naphthalene	128	7.841	7.841	(1.003)	4636	0.05274	0.92(a)
15 2-Methylnaphthalene	141	Compound Not Detected.					
17 Acenaphthylene	152	Compound Not Detected.					
18 Acenaphthene	154	Compound Not Detected.					

Data File: /chem/5972hp66.i/DS100525C66.b/1005133-01JC66.d
Report Date: 01-Jun-2010 18:09

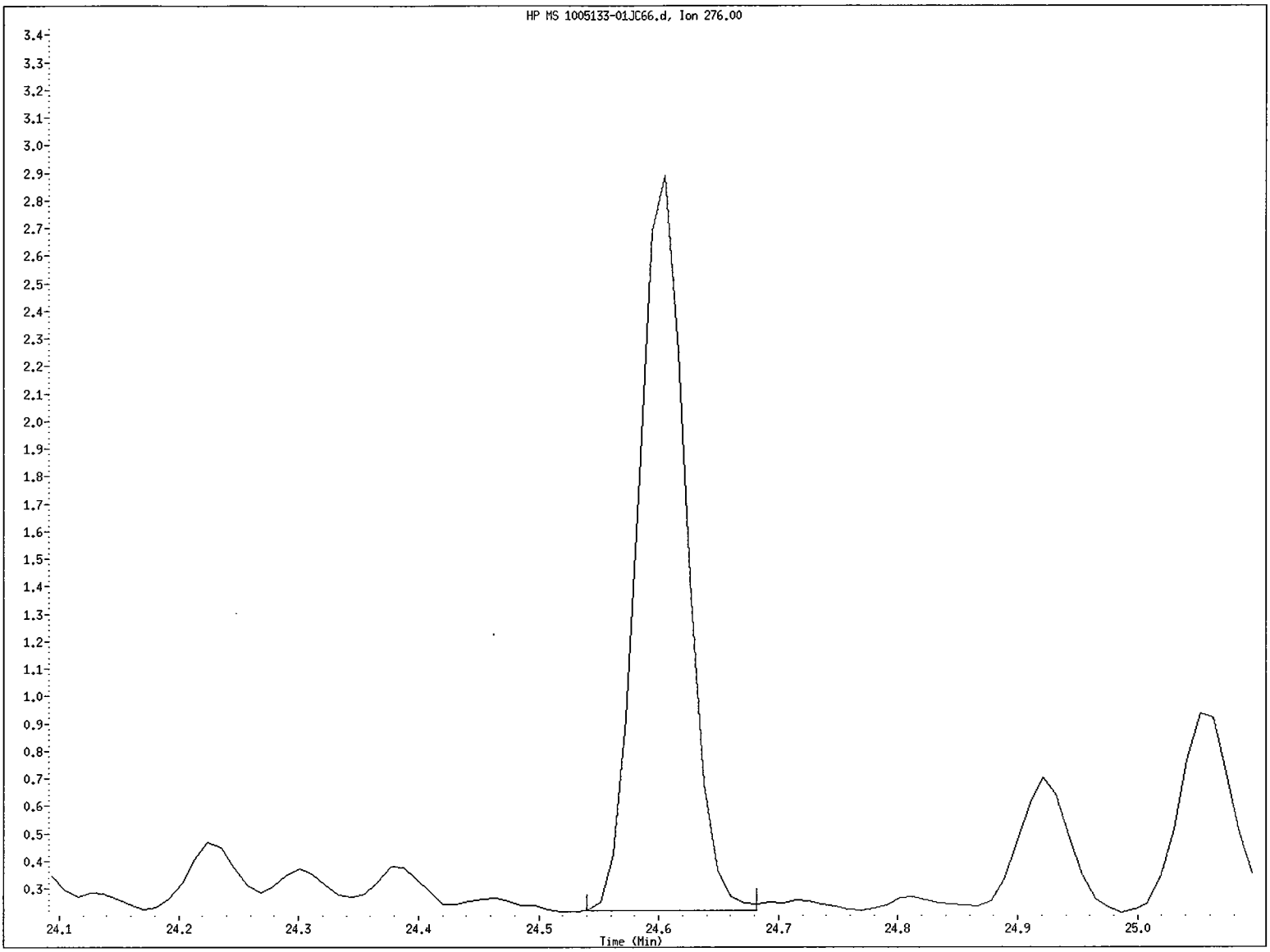
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	14.139	14.140	(1.003)	12210	0.08993	1.6(a)
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	16.486	16.500	(0.853)	40952	0.22874	4.0(a)
28 Pyrene	202	16.917	16.917	(0.875)	41388	0.21228	3.7(a)
29 Benzo(a)anthracene	228	19.302	19.301	(0.998)	20759	0.14144	2.5(a)
30 Chrysene	228	19.380	19.379	(1.002)	22572	0.14199	2.5(a)
31 Benzo(b)fluoranthene	252	21.307	21.308	(0.970)	18831	0.15778	2.7(a)
32 Benzo(k)fluoranthene	252	21.351	21.352	(0.972)	18318	0.14262	2.5(a)
33 Benzo(a)pyrene	252	21.852	21.853	(0.995)	15004	0.13950	2.4(a)
34 Indeno(1,2,3-cd)pyrene	276	24.018	24.008	(1.094)	8813	0.09288	1.6(a)
35 Dibenzo(a,h)anthracene	278	24.072	24.073	(1.096)	2414	0.02572	0.45(a)
36 Benzo(g,h,i)perylene	276	24.605	24.595	(1.120)	7521	0.07151	1.2(aM)

v 06/10

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

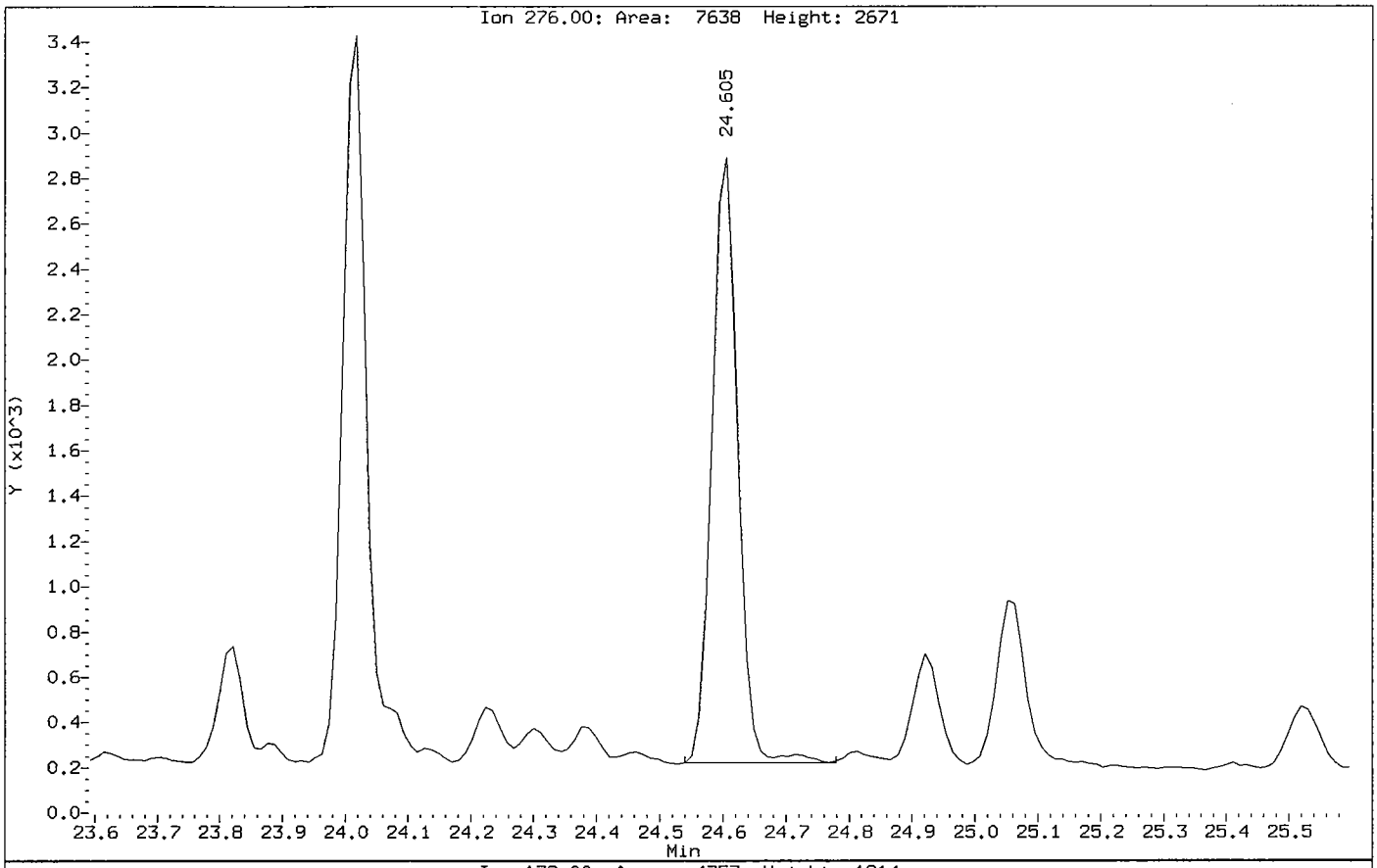
Benzo(g,h,i)perylene CAS Number 191-24-2 Area = 7521 Manually integrated

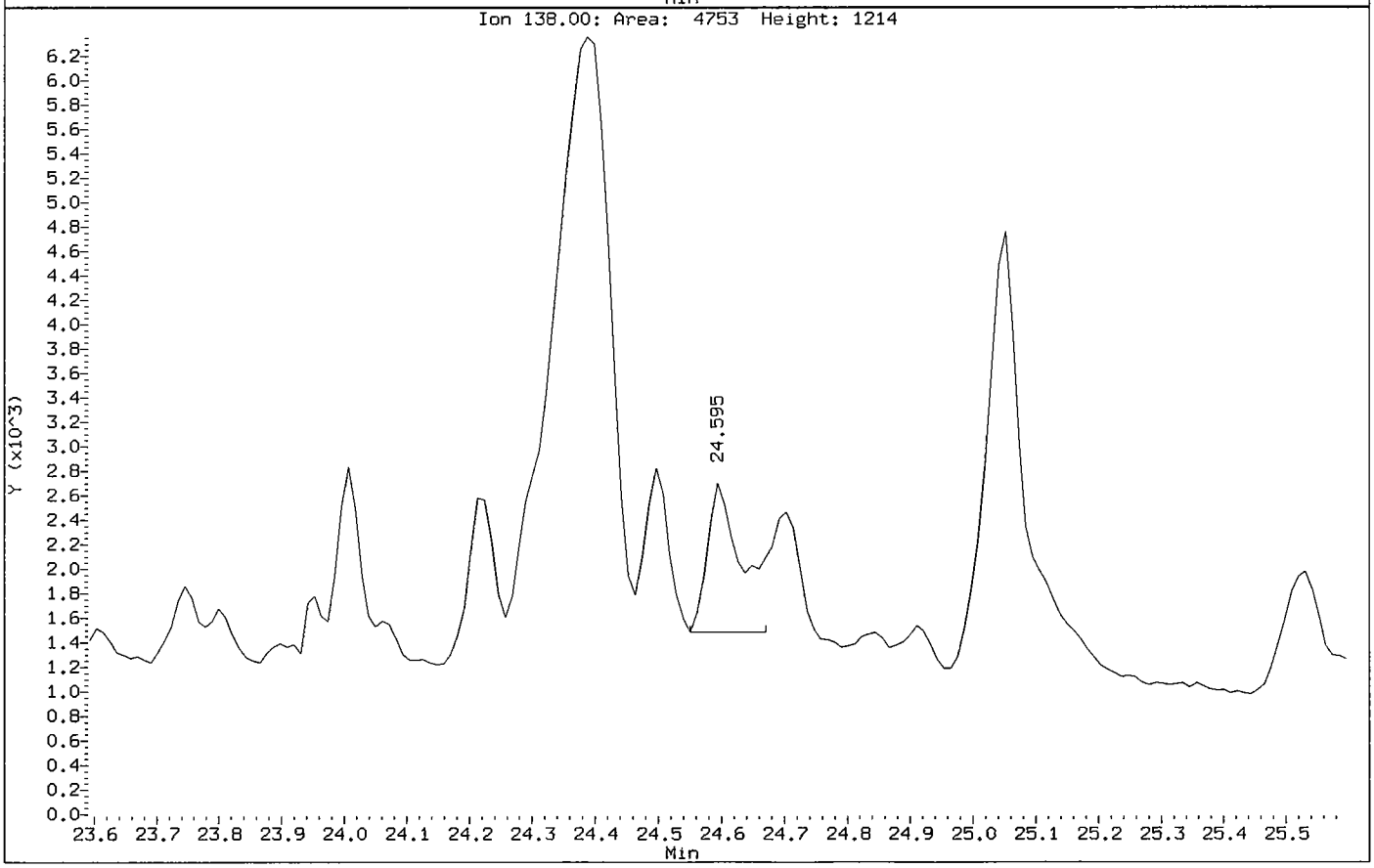


File name: /chem/5972hp66.i/DS100525C66.b/1005133-01JC66.d
Client ID: SS73-0-1
Instrument ID: 5972hp66.i
Injection Date and Time: 26-MAY-2010 09:03
Retention Time: 24.61
Operator ID: 2743

Data File: /chem/5972hp66.i/DS100525C66.b/1005133-01JC66.d
Injection Date: 26-MAY-2010 09:03
Instrument: 5972hp66.i
Client Sample ID: SS73-0-1

Compound: Benzo(g,h,i)perylene
CAS Number: 191-24-2





Data File: /chem/5972hp66.i/DS100525C66.b/1005133-01JC66.d

Date : 26-MAY-2010 09:03

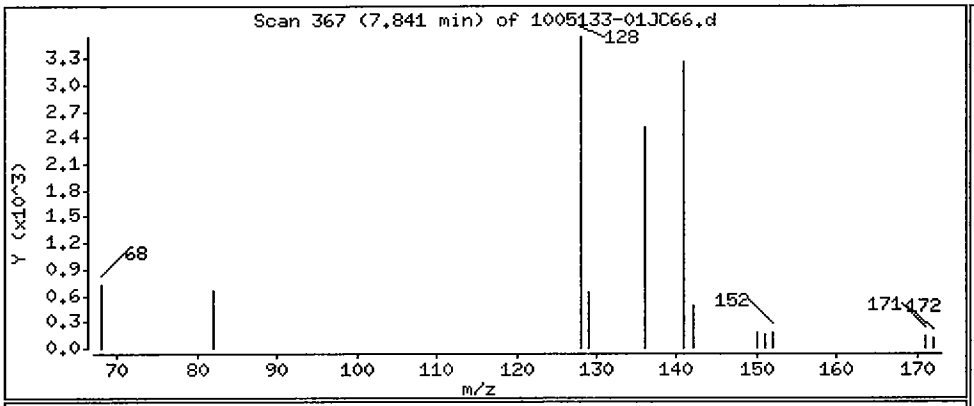
Client ID: SS73-0-1 Instrument: 5972hp66.i

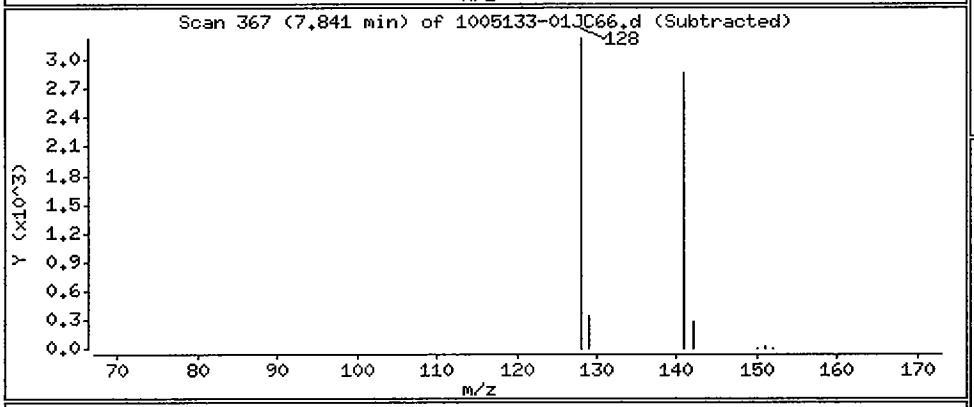
Sample Info: 1005133-01:2743

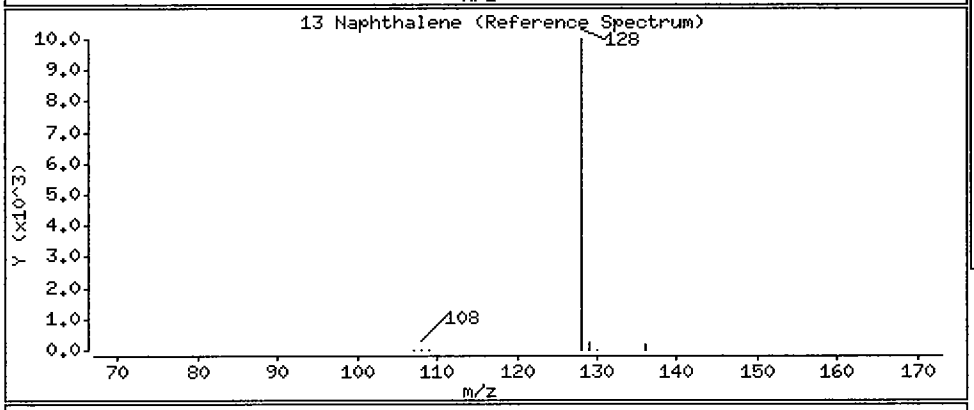
Volume Injected (uL): 2.0 Operator: 2743

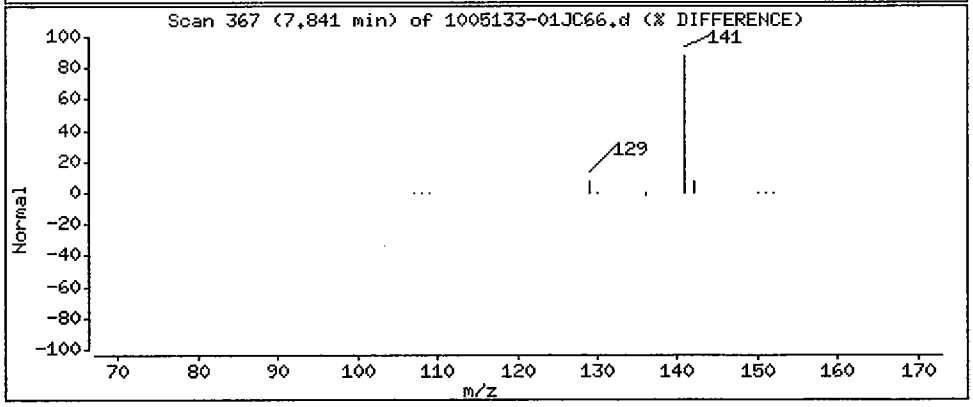
Column phase: Rtx-5MS Column diameter: 0.32

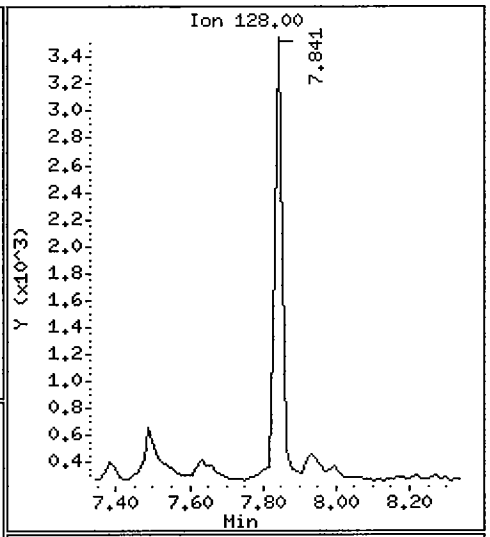
13 Naphthalene Concentration: 0.92 ug/Kg

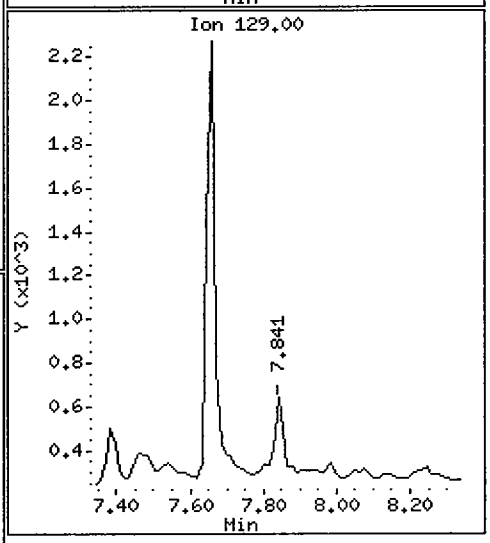












Data File: /chem/5972hp66.i/DS100525C66.b/1005133-01JC66.d

Date : 26-MAY-2010 09:03

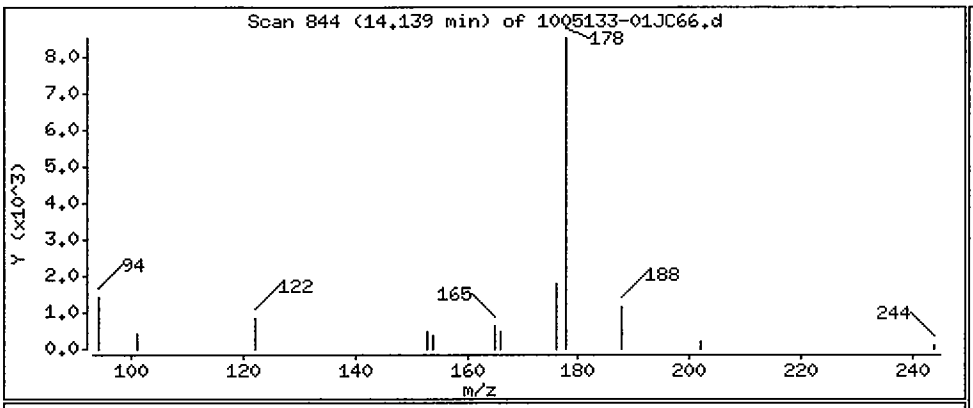
Client ID: SS73-0-1 Instrument: 5972hp66.i

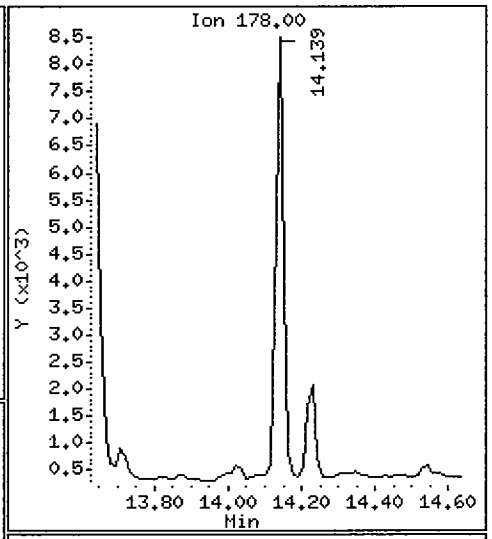
Sample Info: 1005133-01:2743

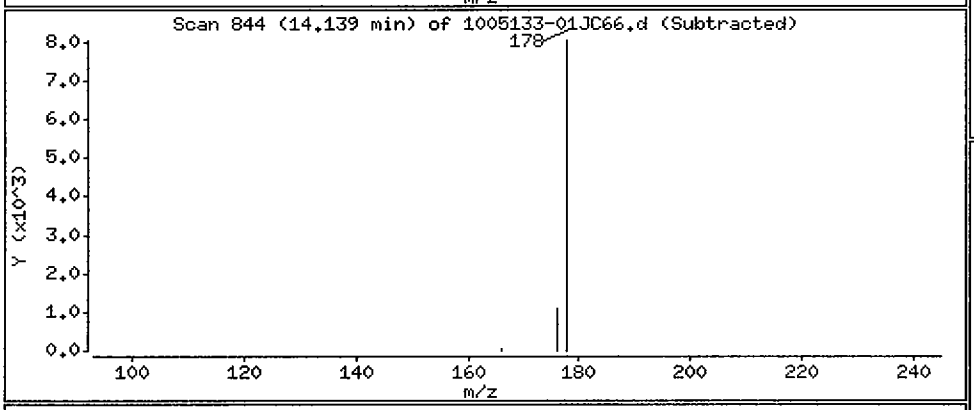
Volume Injected (uL): 2.0 Operator: 2743

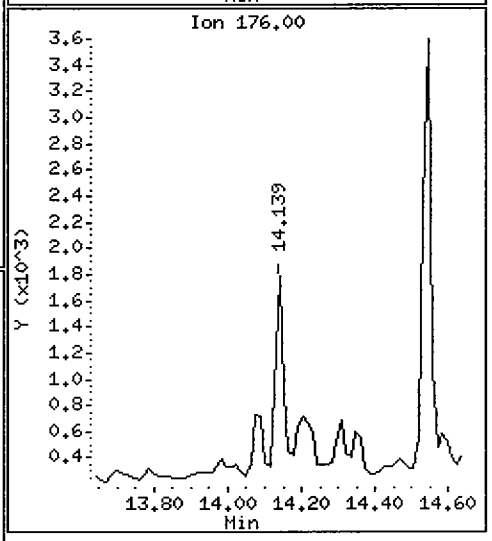
Column phase: Rtx-5MS Column diameter: 0.32

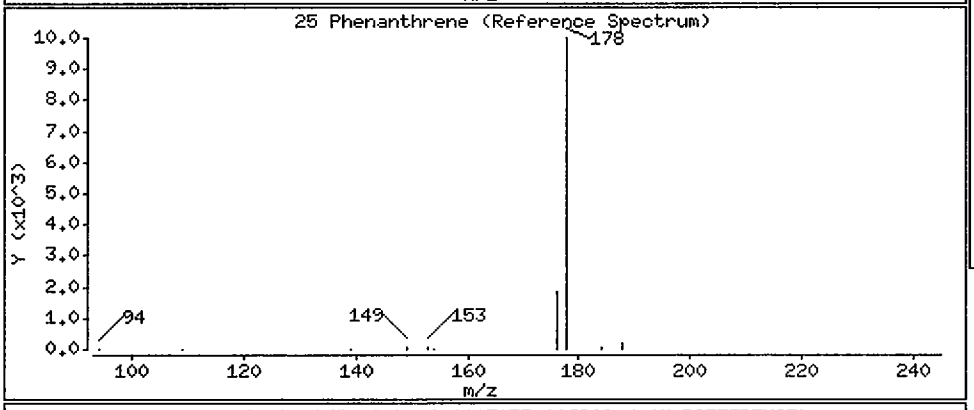
25 Phenanthrene Concentration: 1.6 ug/Kg

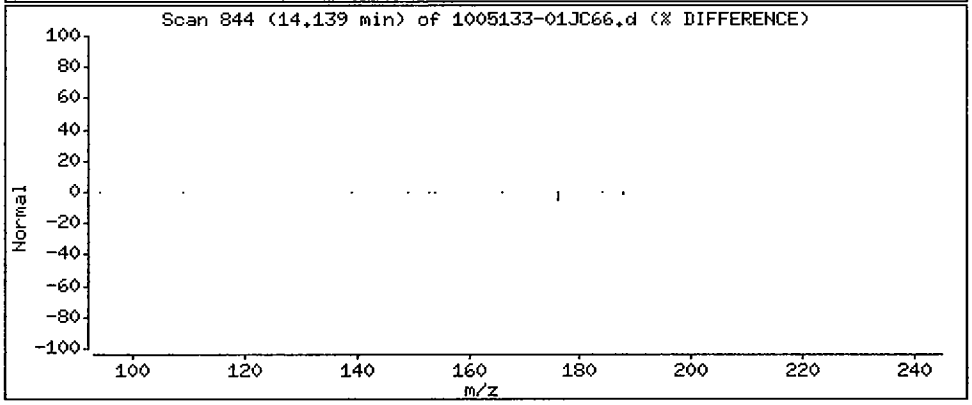












Data File: /chem/5972hp66.i/DS100525C66.b/1005133-01JC66.d

Date : 26-MAY-2010 09:03

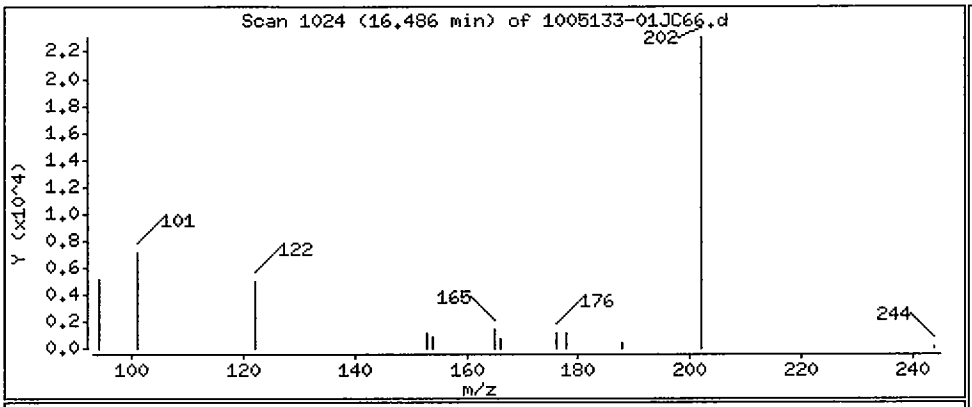
Client ID: SS73-0-1 Instrument: 5972hp66.i

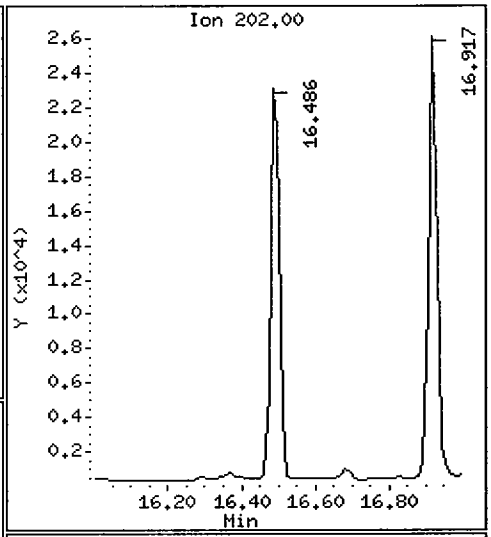
Sample Info: 1005133-01:2743

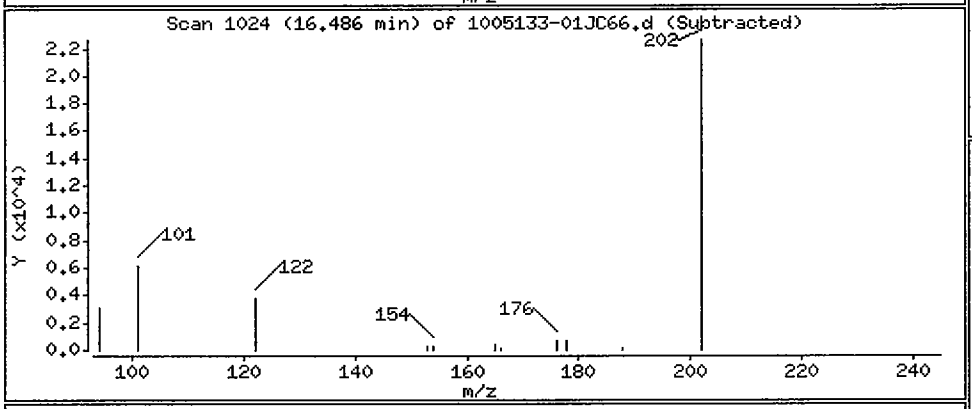
Volume Injected (uL): 2.0 Operator: 2743

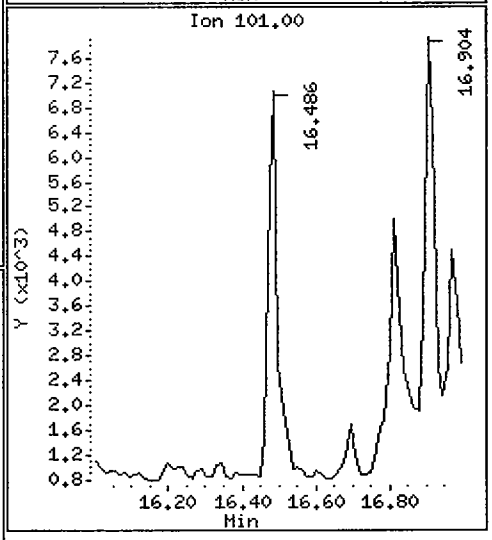
Column phase: Rtx-5MS Column diameter: 0.32

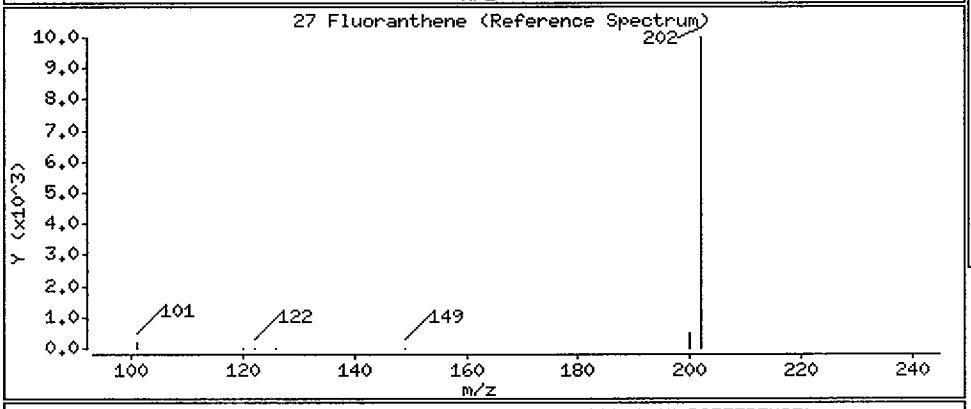
27 Fluoranthene Concentration: 4.0 ug/Kg

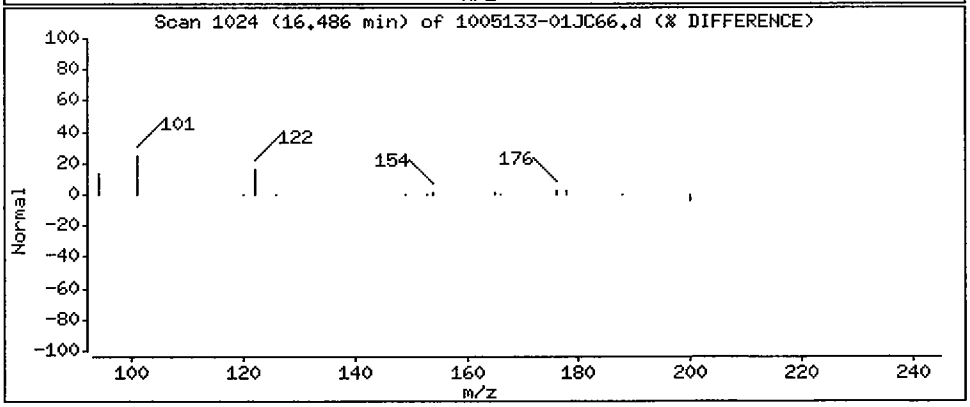












Data File: /chem/5972hp66.i/DS100525C66.b/1005133-01JC66.d

Date : 26-MAY-2010 09:03

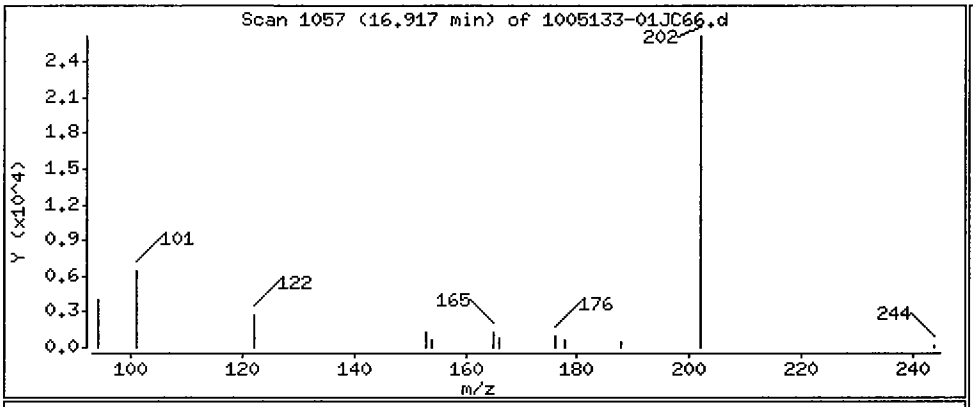
Client ID: SS73-0-1 Instrument: 5972hp66.i

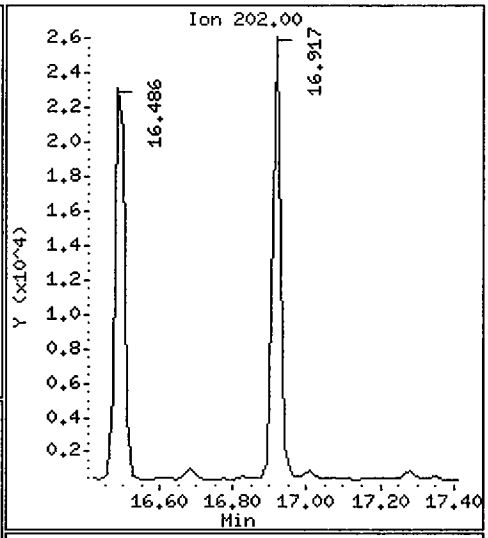
Sample Info: 1005133-01:2743

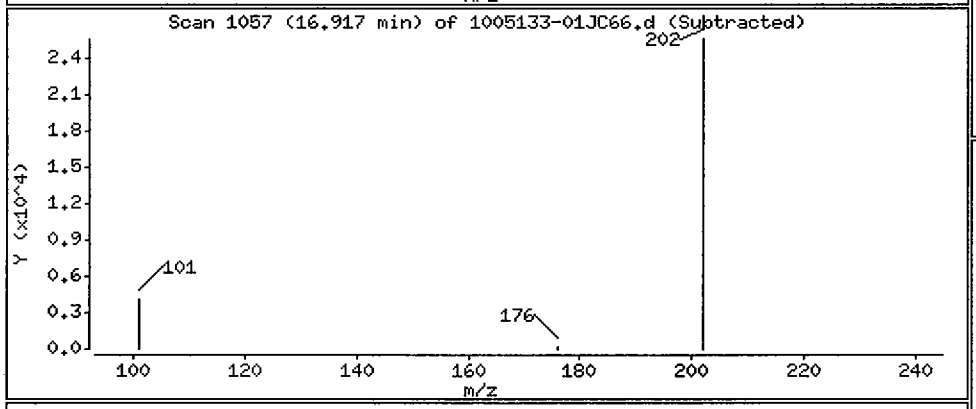
Volume Injected (uL): 2.0 Operator: 2743

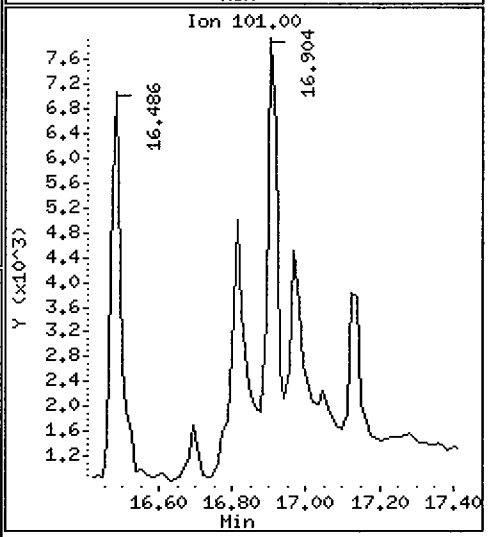
Column phase: Rtx-5MS Column diameter: 0.32

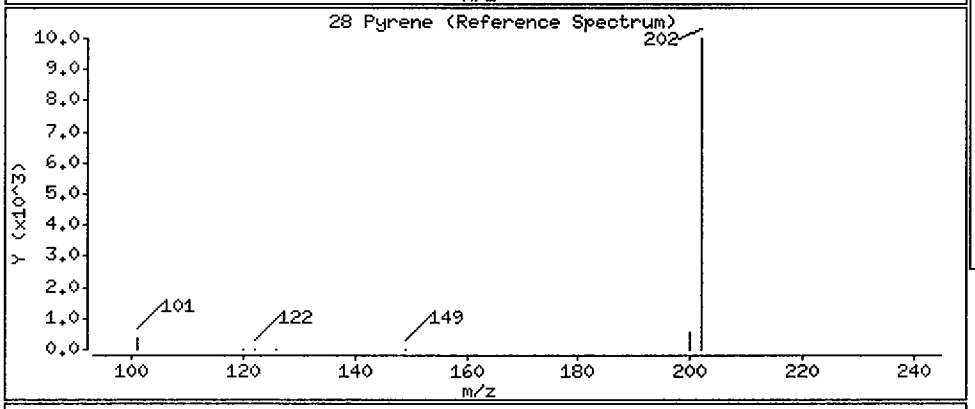
28 Pyrene Concentration: 3.7 ug/Kg

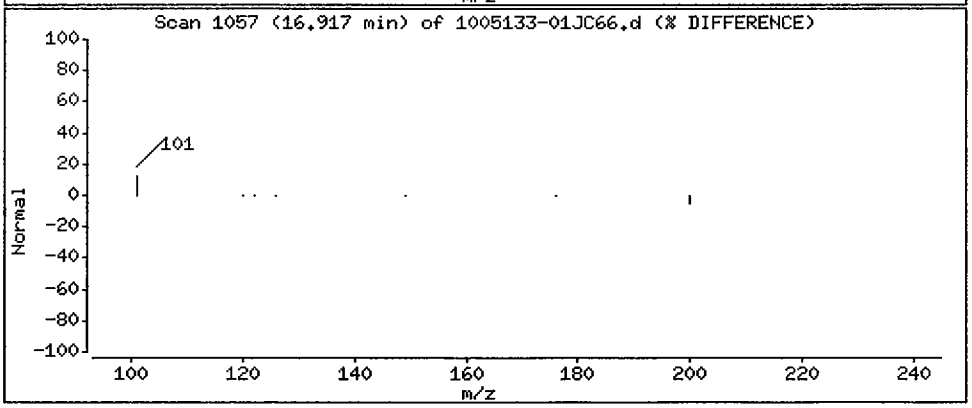












Data File: /chem/5972hp66.i/DS100525C66.b/1005133-01JC66.d

Date : 26-MAY-2010 09:03

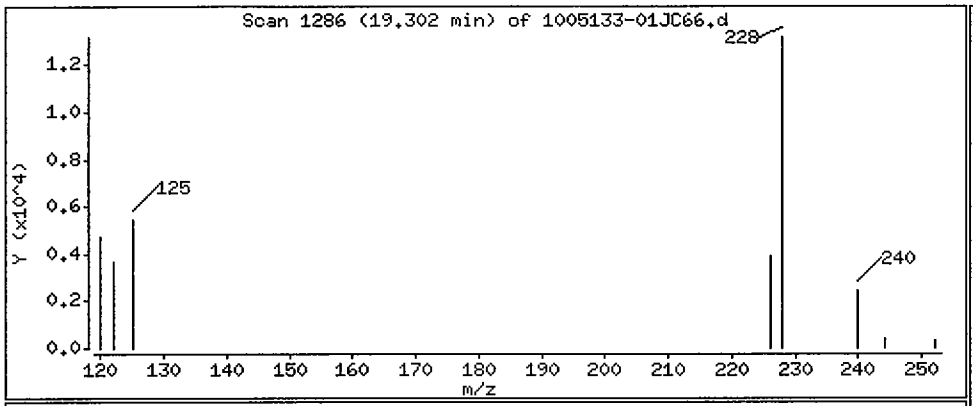
Client ID: SS73-0-1 Instrument: 5972hp66.i

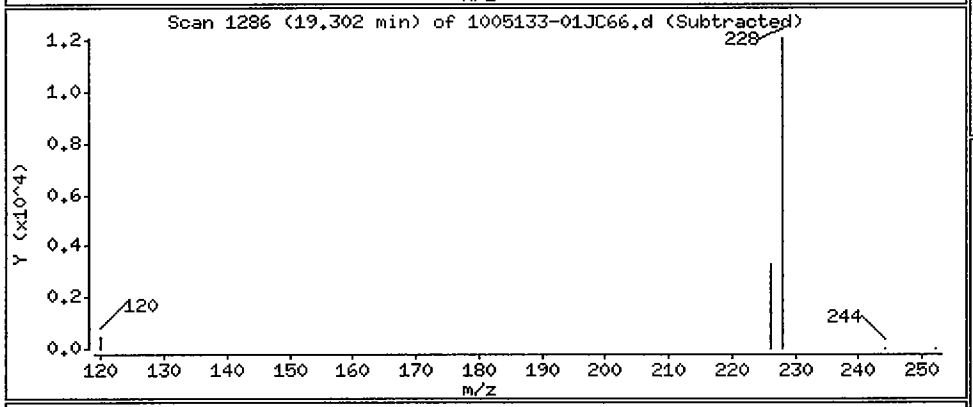
Sample Info: 1005133-01:2743

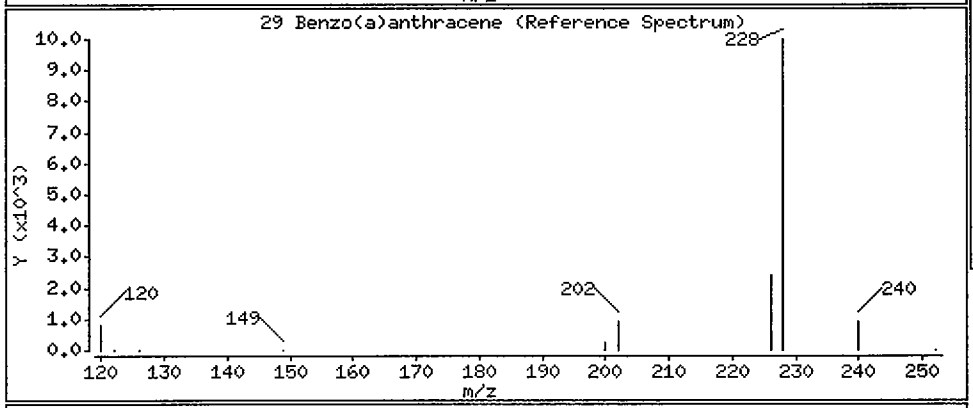
Volume Injected (uL): 2.0 Operator: 2743

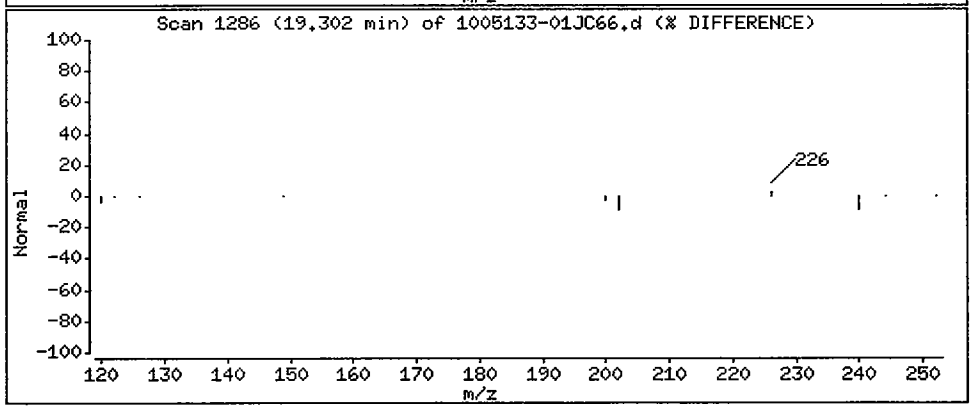
Column phase: Rtx-5MS Column diameter: 0.32

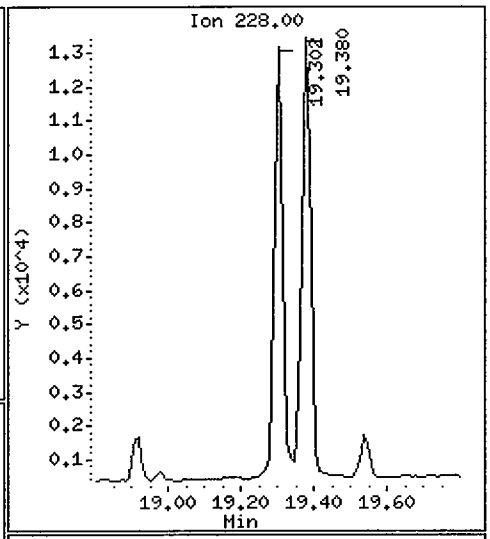
29 Benzo(a)anthracene Concentration: 2.5 ug/Kg

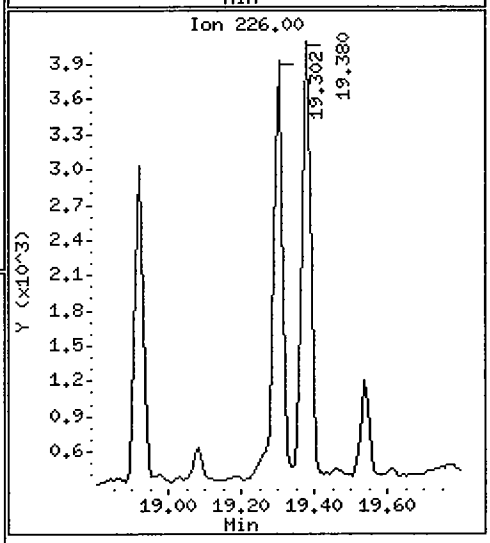












Data File: /chem/5972hp66.i/DS100525C66.b/1005133-01JC66.d

Date : 26-MAY-2010 09:03

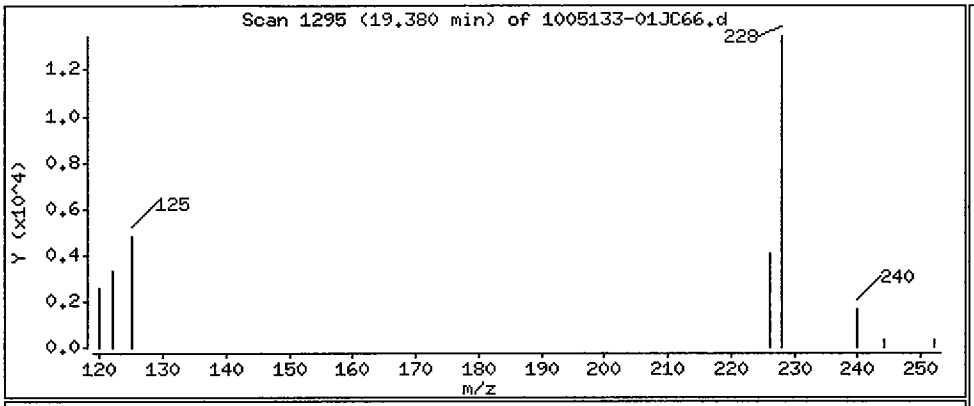
Client ID: SS73-0-1 Instrument: 5972hp66.i

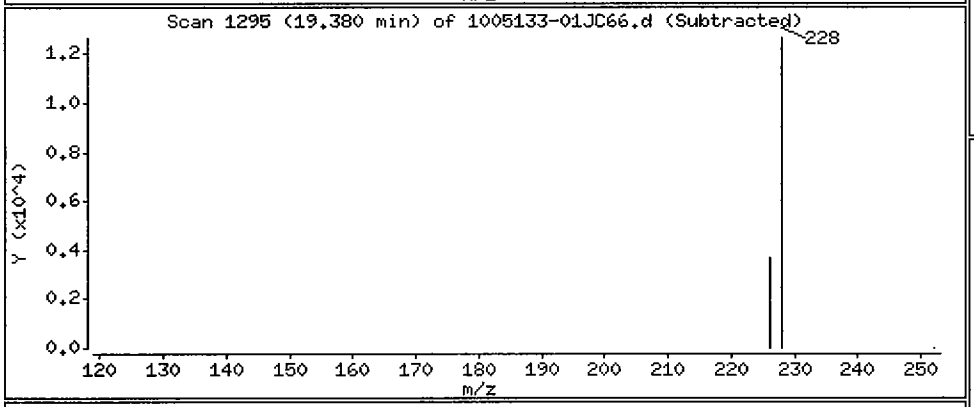
Sample Info: 1005133-01:2743

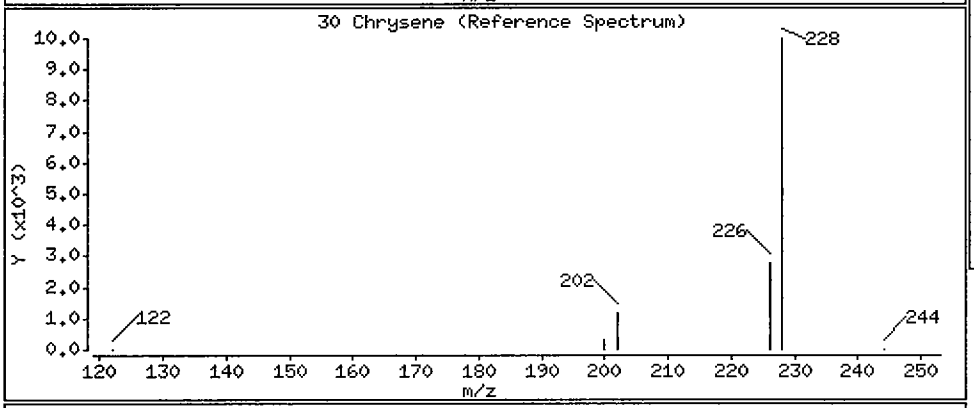
Volume Injected (uL): 2.0 Operator: 2743

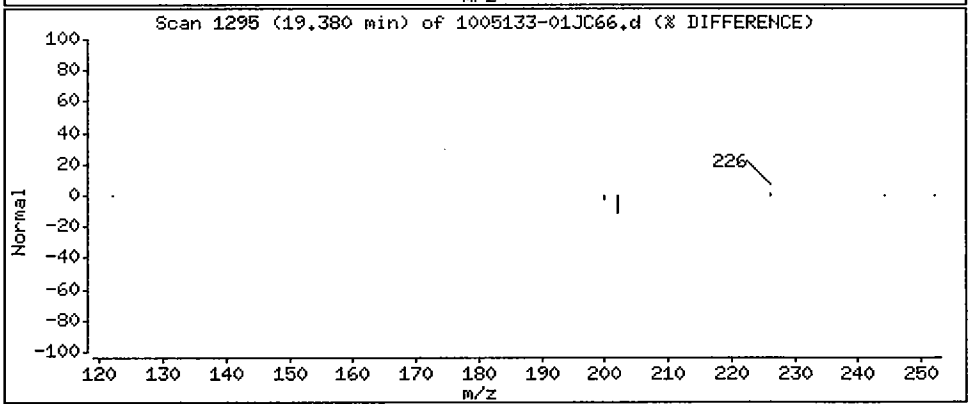
Column phase: Rtx-5MS Column diameter: 0.32

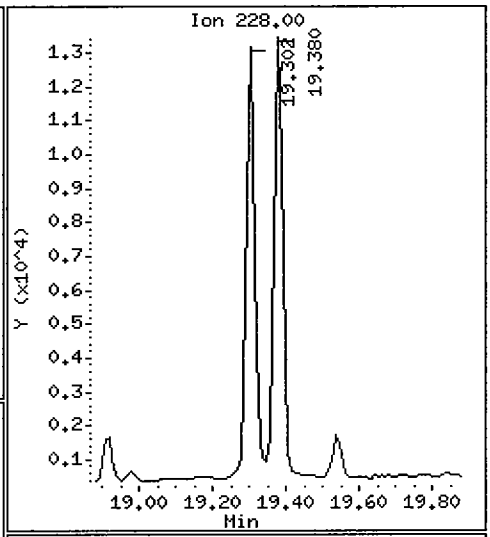
30 Chrysene Concentration: 2.5 ug/Kg

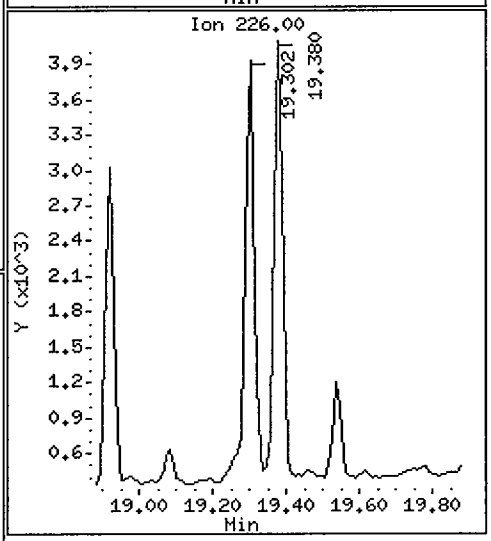












Data File: /chem/5972hp66.i/DS100525C66.b/1005133-01JC66.d

Date : 26-MAY-2010 09:03

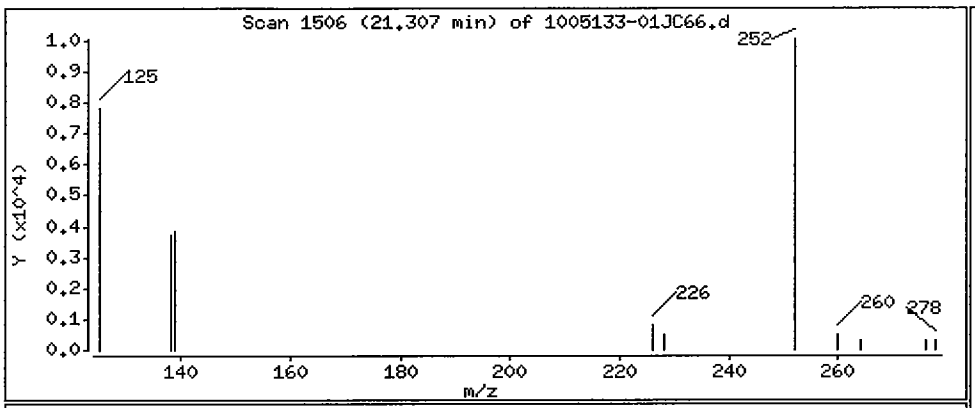
Client ID: SS73-0-1 Instrument: 5972hp66.i

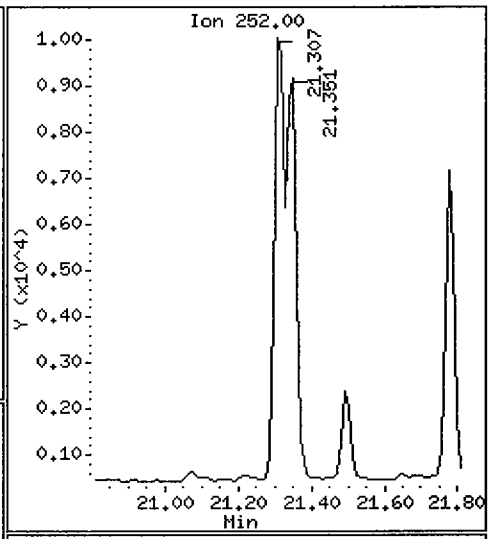
Sample Info: 1005133-01:2743

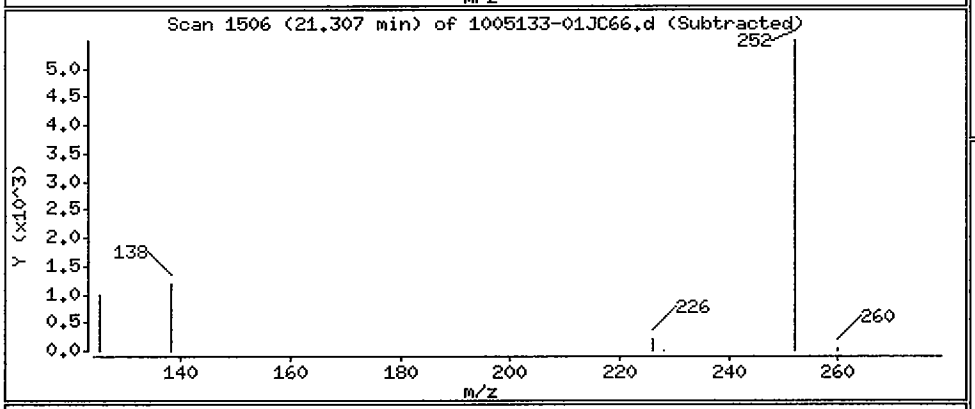
Volume Injected (uL): 2.0 Operator: 2743

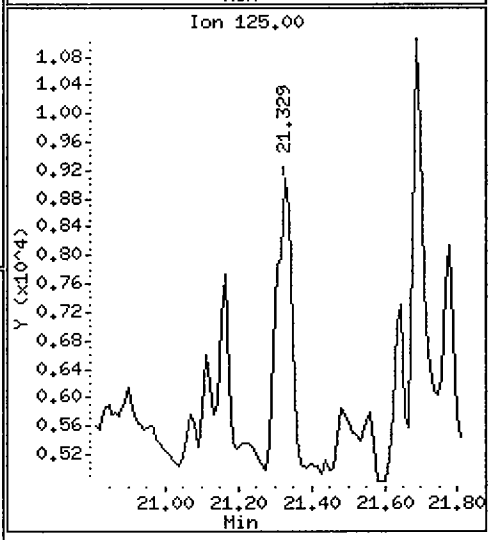
Column phase: Rtx-5MS Column diameter: 0.32

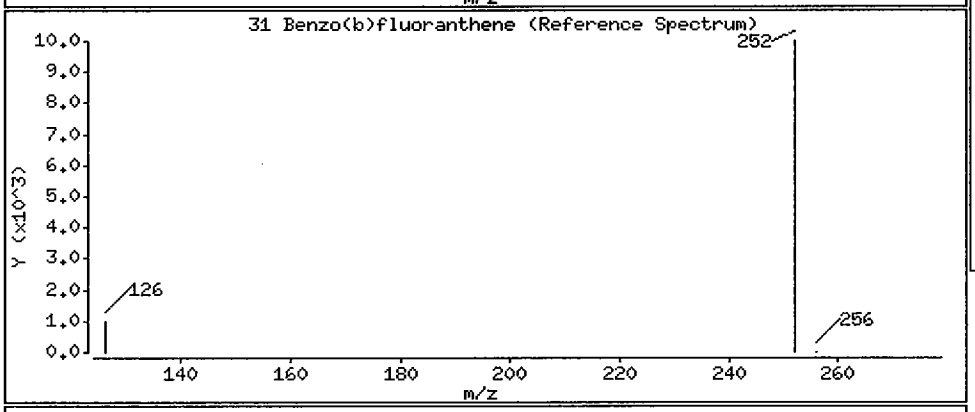
31 Benzo(b)fluoranthene Concentration: 2.7 ug/Kg

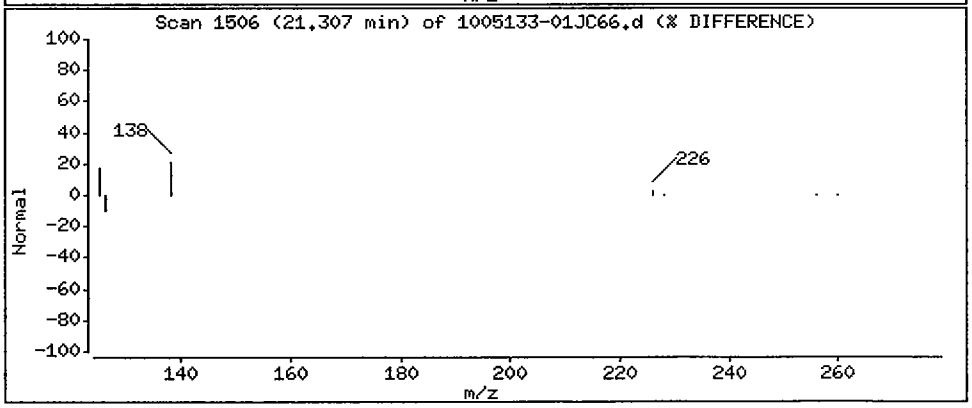












Data File: /chem/5972hp66.i/DS100525C66.b/1005133-01JC66.d

Date : 26-MAY-2010 09:03

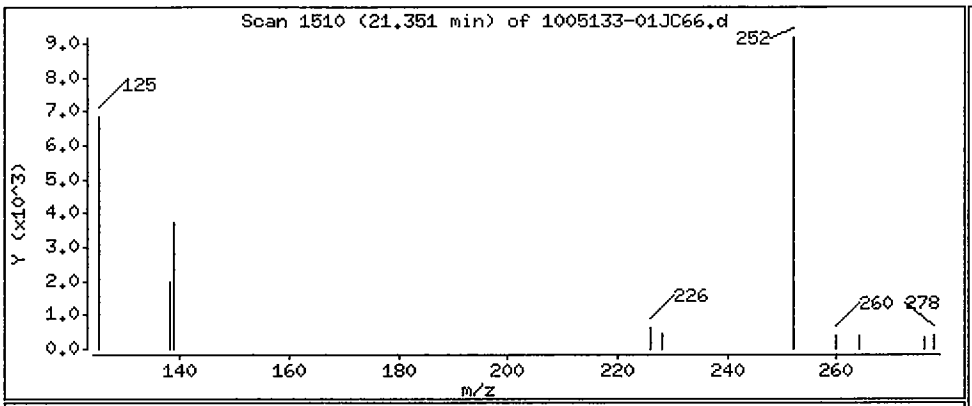
Client ID: SS73-0-1 Instrument: 5972hp66.i

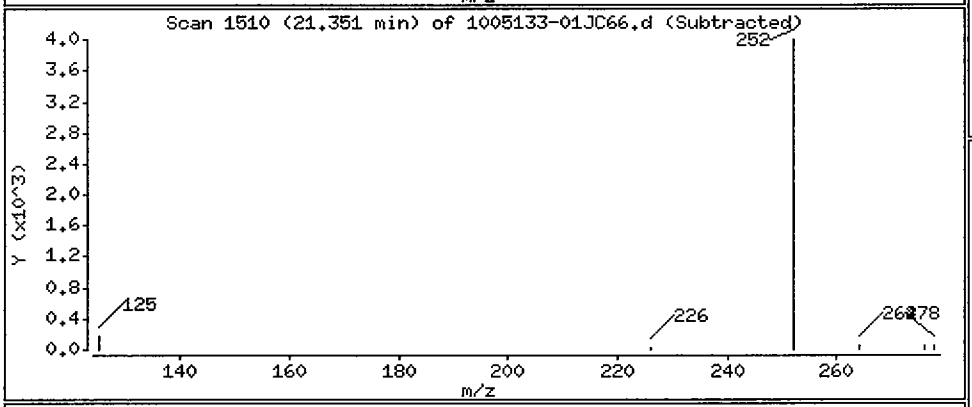
Sample Info: 1005133-01:2743

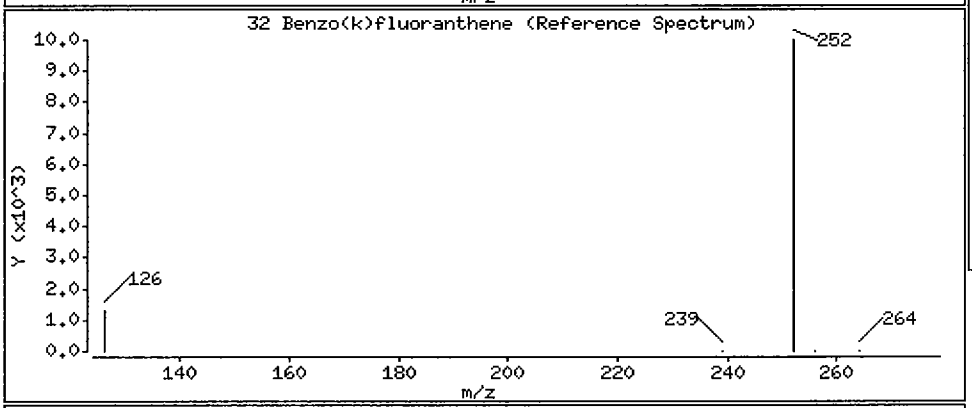
Volume Injected (uL): 2.0 Operator: 2743

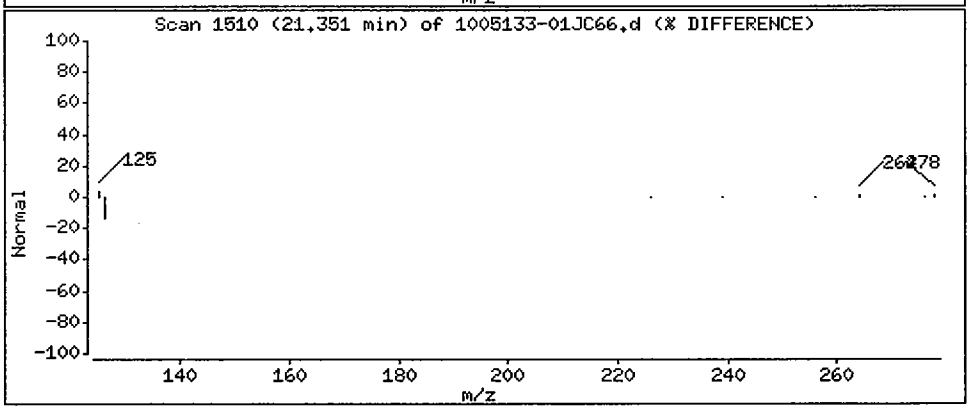
Column phase: Rtx-5MS Column diameter: 0.32

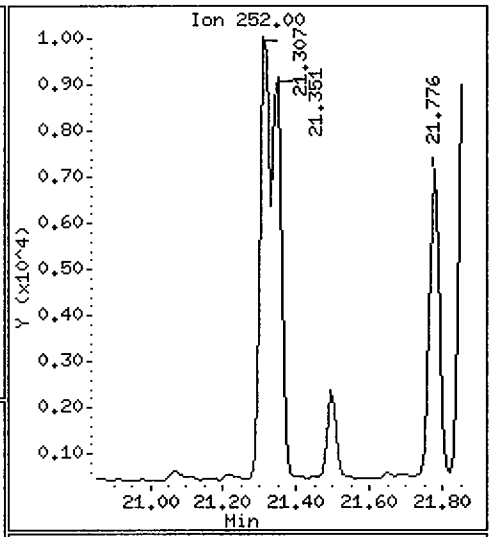
32 Benzo(k)fluoranthene Concentration: 2.5 ug/Kg

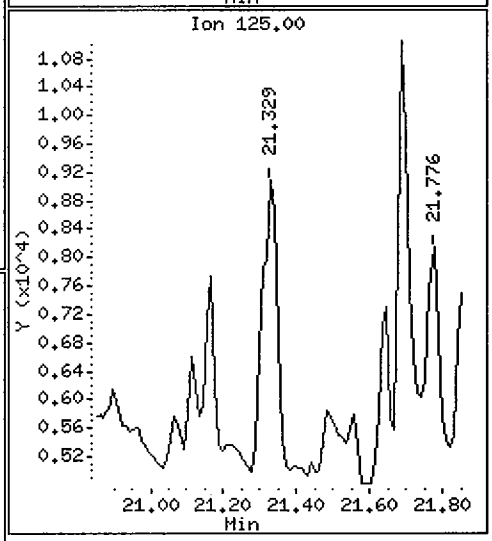












Data File: /chem/5972hp66.i/DS100525C66.b/1005133-01JC66.d

Date : 26-MAY-2010 09:03

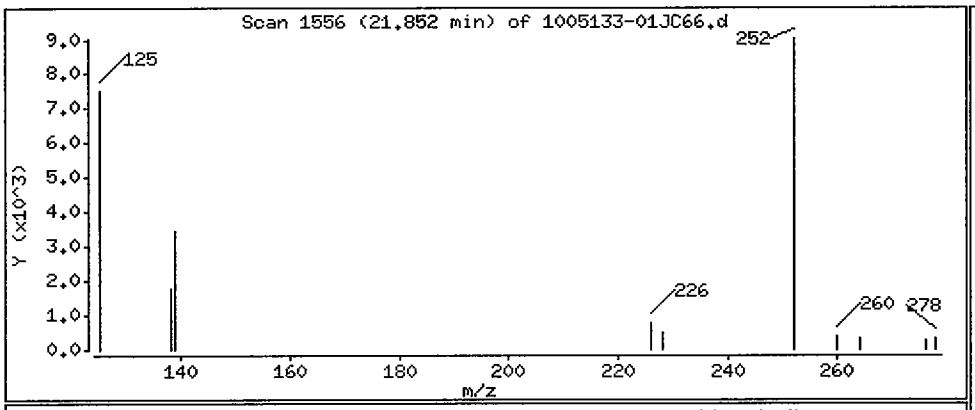
Client ID: SS73-0-1 Instrument: 5972hp66.i

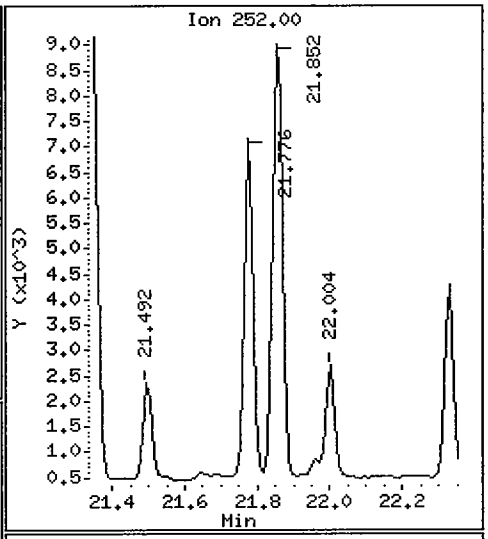
Sample Info: 1005133-01:2743

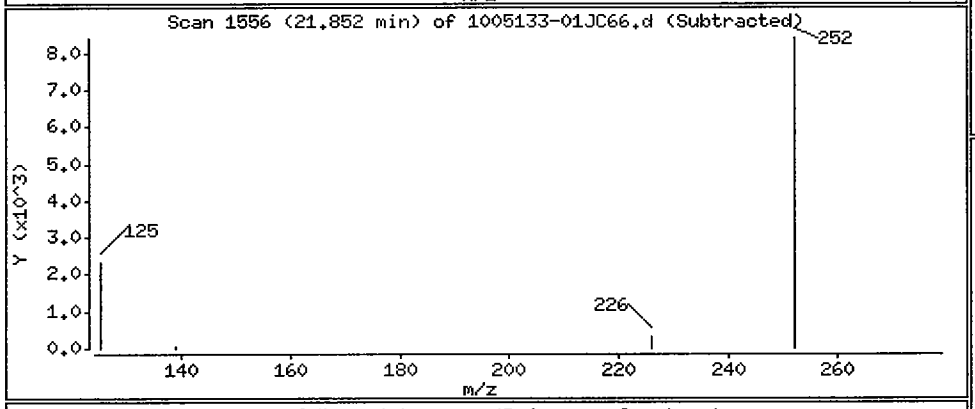
Volume Injected (uL): 2.0 Operator: 2743

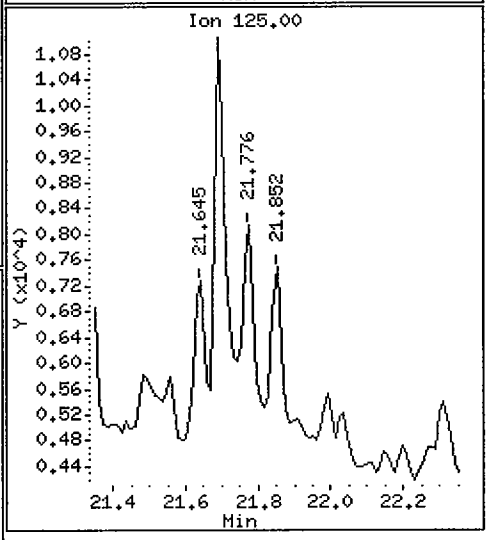
Column phase: Rtx-5MS Column diameter: 0.32

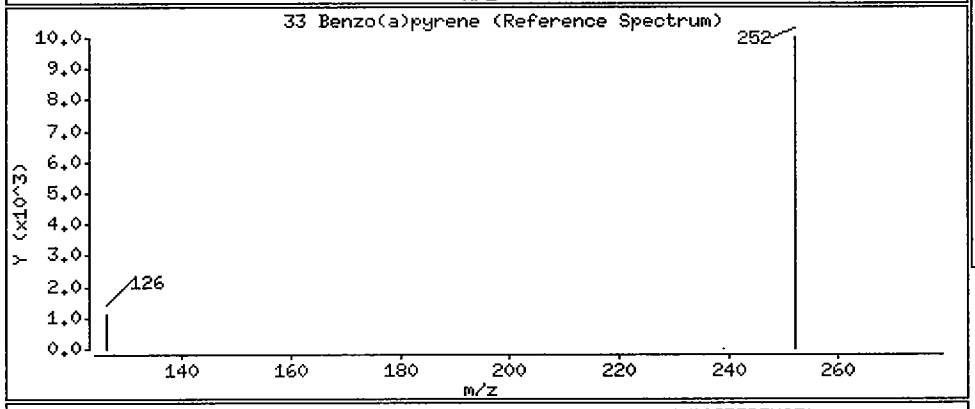
33 Benzo(a)pyrene Concentration: 2.4 ug/Kg

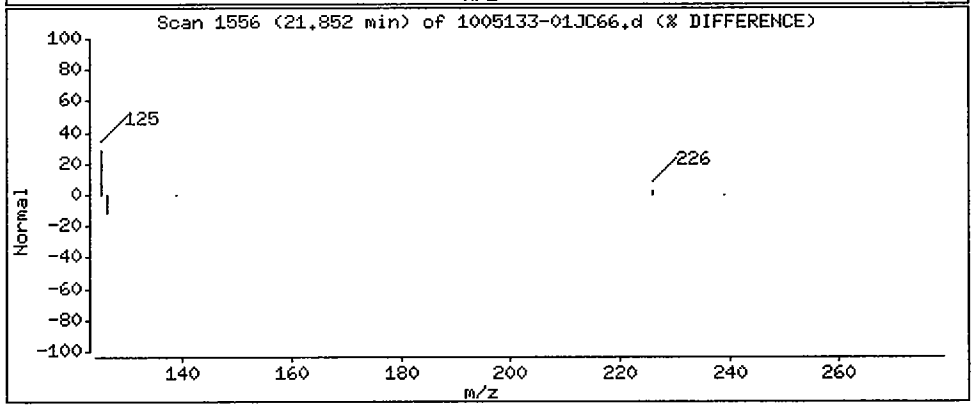












Data File: /chem/5972hp66.i/DS100525C66.b/1005133-01JC66.d

Date : 26-MAY-2010 09:03

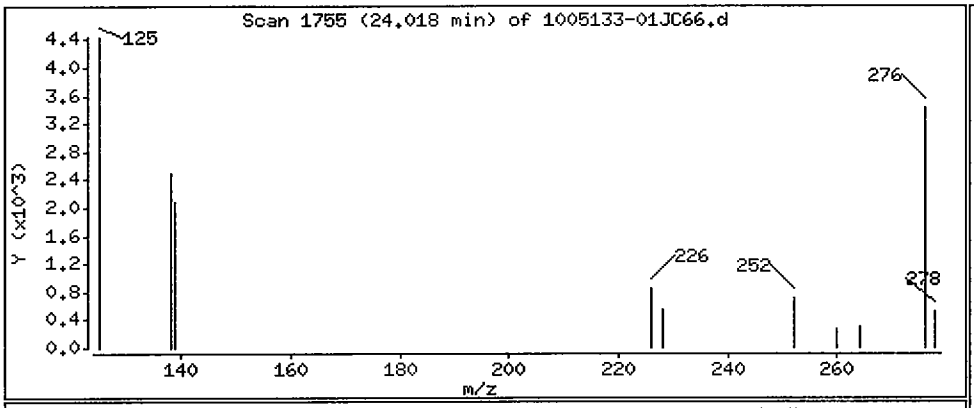
Client ID: SS73-0-1 Instrument: 5972hp66.i

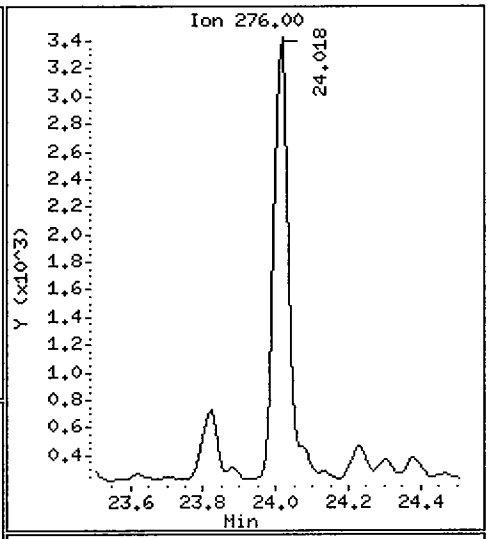
Sample Info: 1005133-01:2743

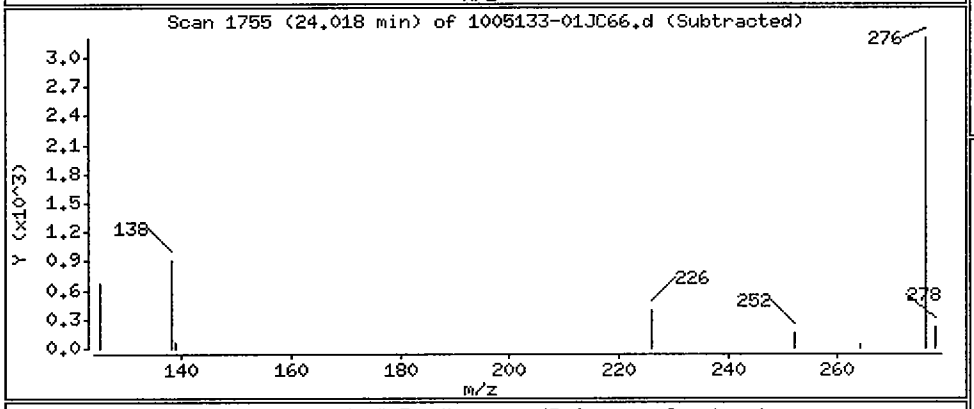
Volume Injected (uL): 2.0 Operator: 2743

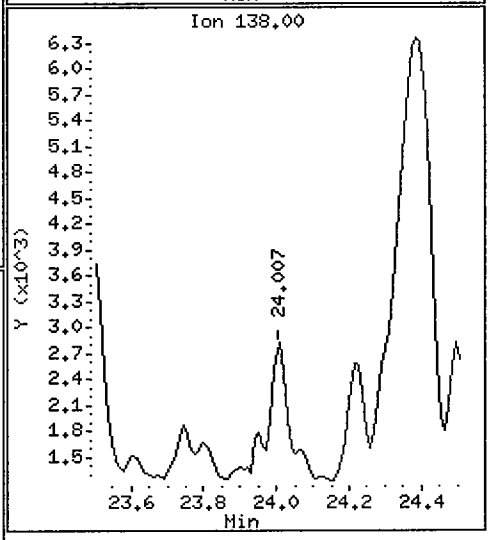
Column phase: Rtx-5MS Column diameter: 0.32

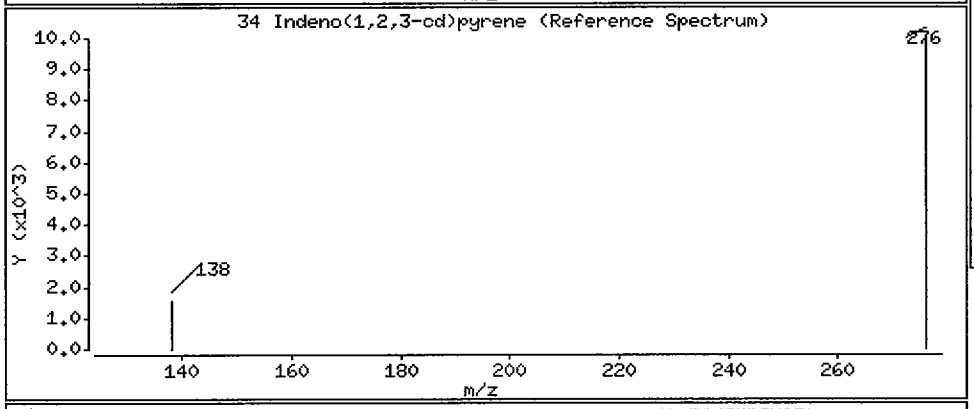
34 Indeno(1,2,3-cd)pyrene Concentration: 1.6 ug/Kg

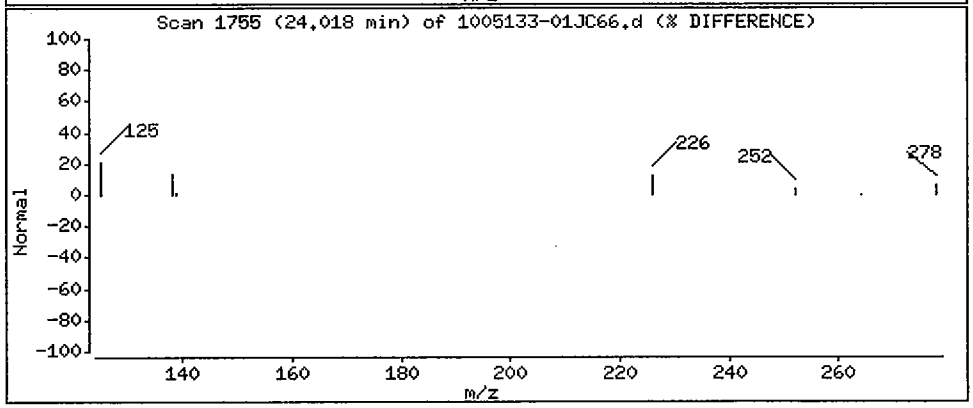












Data File: /chem/5972hp66.i/DS100525C66.b/1005133-01JC66.d

Date : 26-MAY-2010 09:03

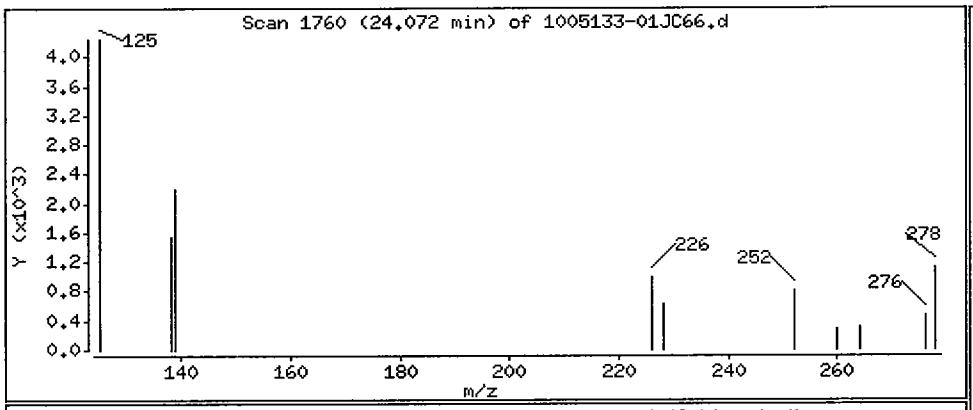
Client ID: SS73-0-1 Instrument: 5972hp66.i

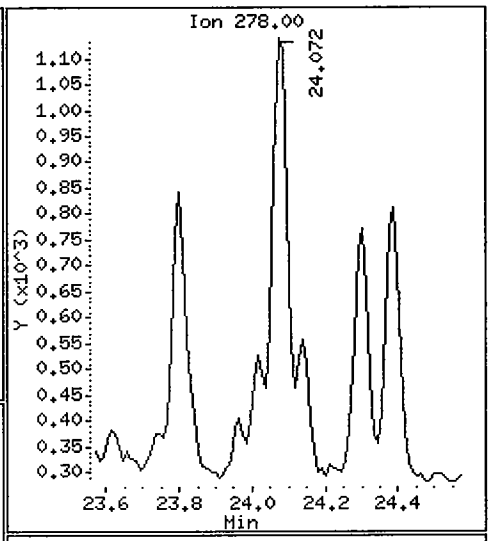
Sample Info: 1005133-01:2743

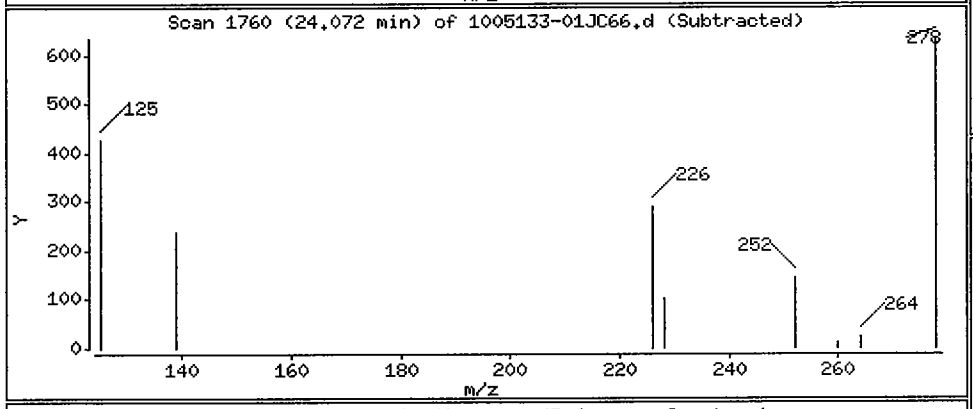
Volume Injected (uL): 2.0 Operator: 2743

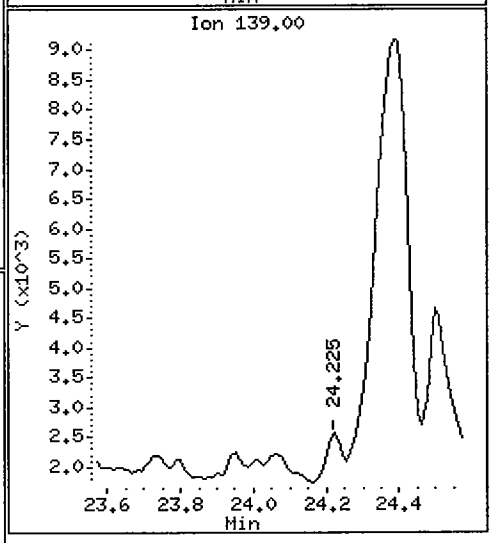
Column phase: Rtx-5MS Column diameter: 0.32

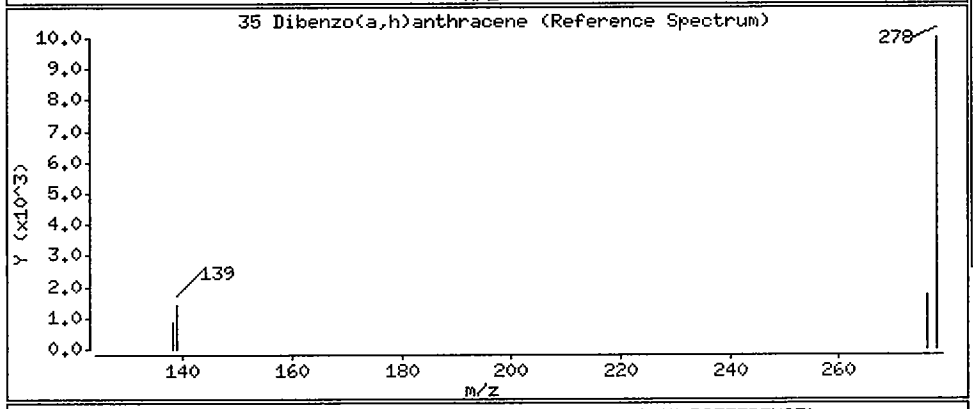
35 Dibenzo(a,h)anthracene Concentration: 0.45 ug/Kg

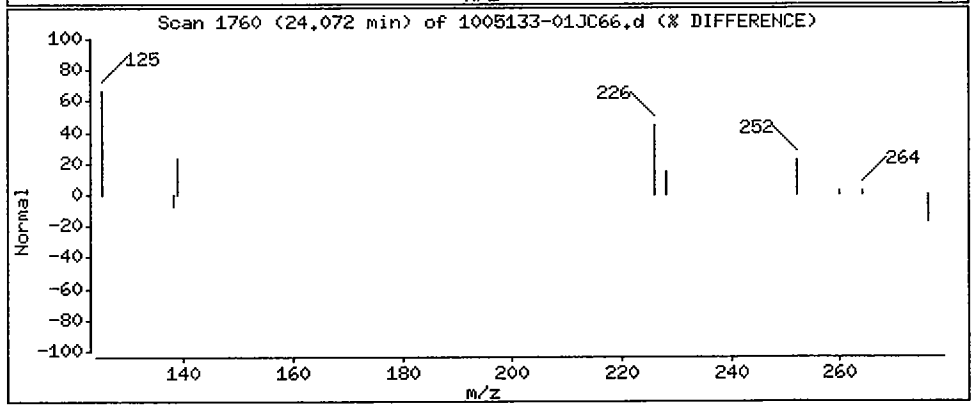












Data File: /chem/5972hp66.i/DS100525C66.b/1005133-01JC66.d

Date : 26-MAY-2010 09:03

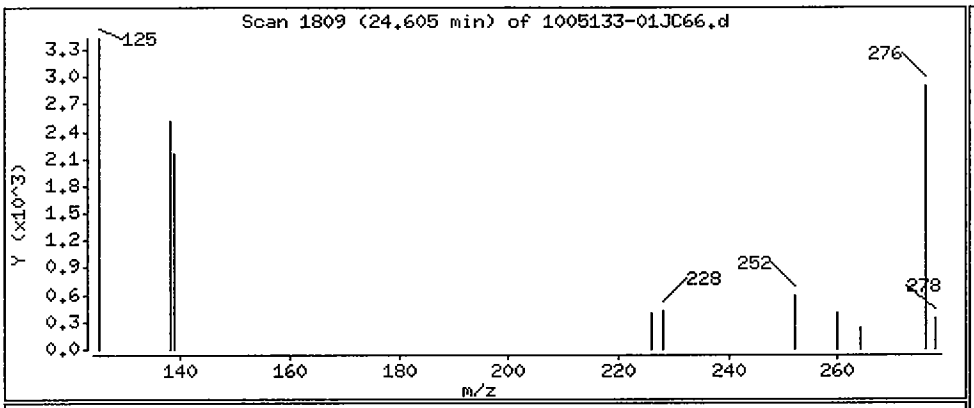
Client ID: SS73-0-1 Instrument: 5972hp66.i

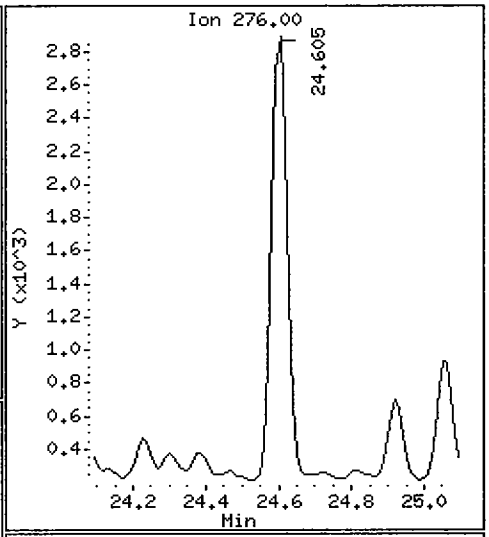
Sample Info: 1005133-01:2743

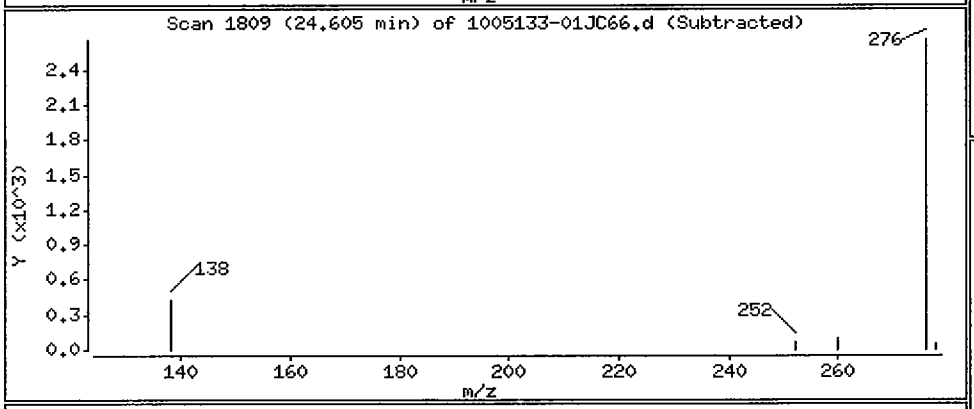
Volume Injected (uL): 2.0 Operator: 2743

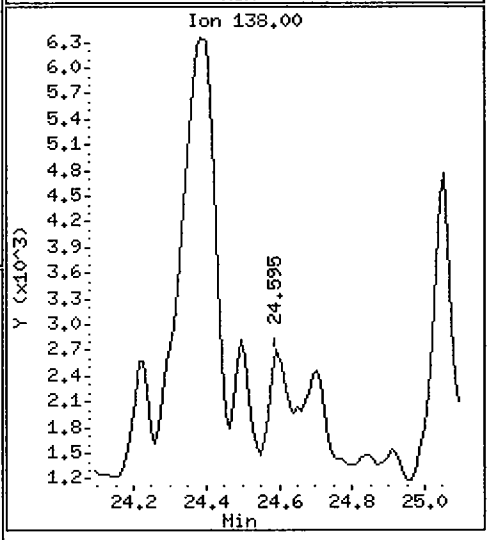
Column phase: Rtx-5MS Column diameter: 0.32

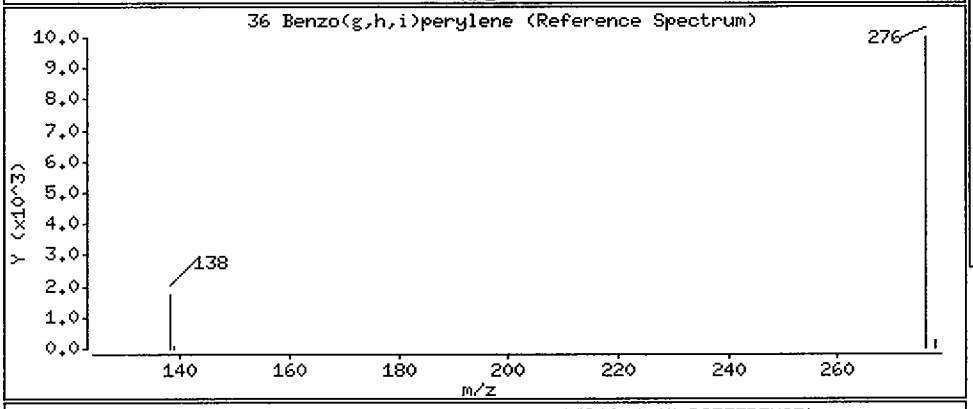
36 Benzo(g,h,i)perylene Concentration: 1.2 ug/Kg

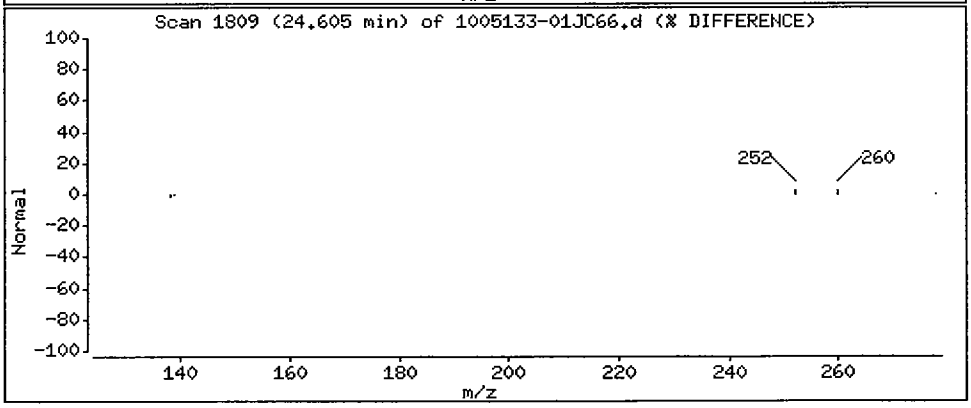












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SS75-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/17/10

Lab Sample ID: 1005133-03
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005133-03C66
Analyst: 2743

% Moisture: 15 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK1

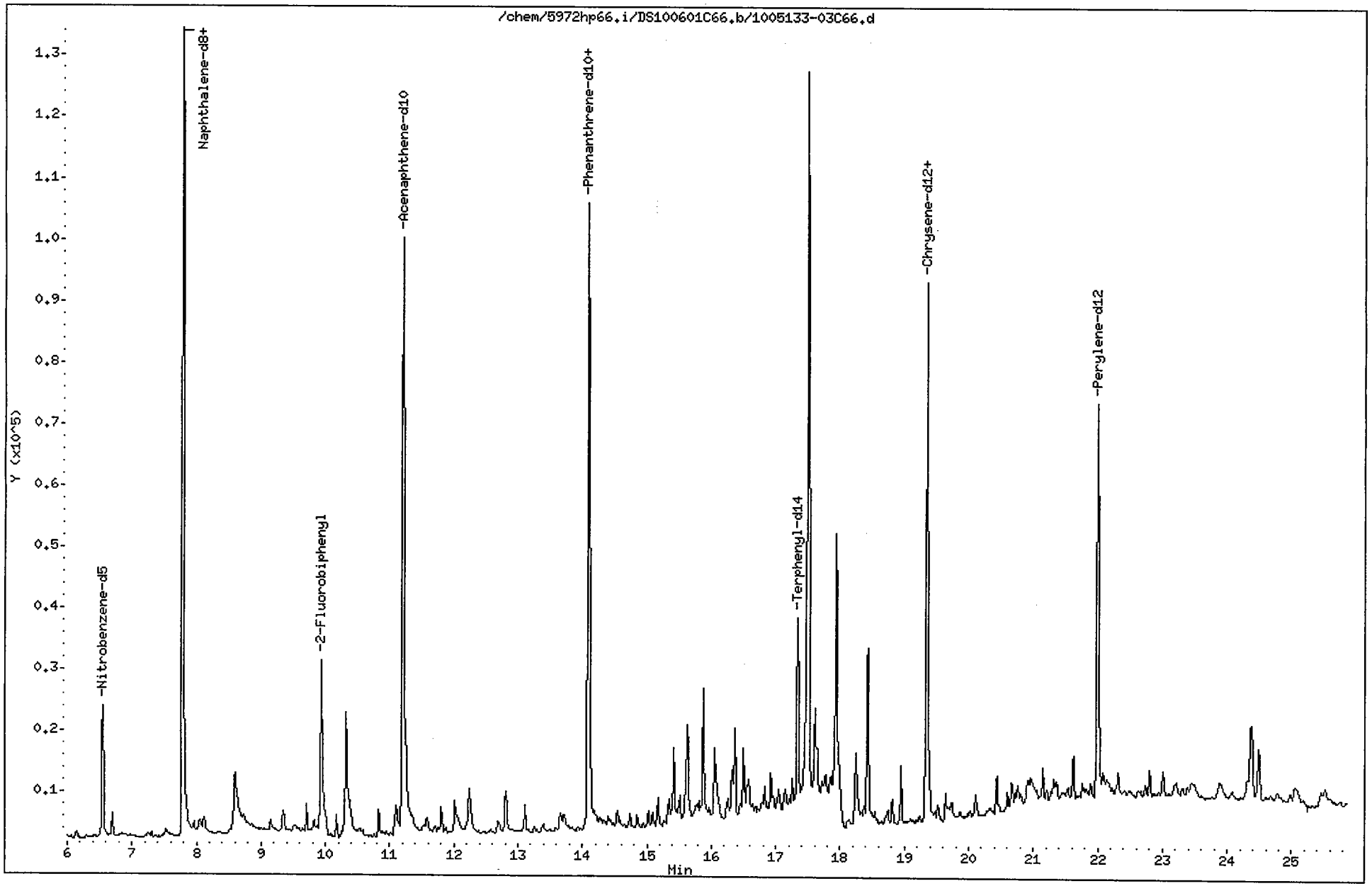
Date Extracted: 05/24/10
Date Analyzed: 06/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.84	9.8	1.0	J
91-57-6	2-Methylnaphthalene	0.80	9.8	ND	U
208-96-8	Acenaphthylene	0.63	9.8	ND	U
83-32-9	Acenaphthene	0.71	9.8	ND	U
86-73-7	Fluorene	0.53	9.8	ND	U
85-01-8	Phenanthrene	1.5	9.8	1.6	J
120-12-7	Anthracene	0.51	9.8	ND	U
206-44-0	Fluoranthene	1.6	9.8	1.6	J
129-00-0	Pyrene	0.67	9.8	1.5	J
56-55-3	Benzo(a)anthracene	0.67	9.8	0.86	J
218-01-9	Chrysene	0.75	9.8	0.93	J
205-99-2	Benzo(b)fluoranthene	0.67	9.8	0.84	J
207-08-9	Benzo(k)fluoranthene	0.51	9.8	0.84	J
50-32-8	Benzo(a)pyrene	0.45	9.8	0.65	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.43	9.8	0.52	J
53-70-3	Dibenzo(a,h)anthracene	0.39	9.8	ND	U
191-24-2	Benzo(g,h,i)perylene	0.45	9.8	0.50	J

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp66.i/DS100601C66.b/1005133-03C66.d
Date : 02-JUN-2010 10:30
Client ID: SS75-0-1
Sample Info: 1005133-03;2743
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: 2743
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100601C66.b/1005133-03C66.d
Report Date: 07-Jun-2010 11:48

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100601C66.b/1005133-03C66.d
Lab Smp Id: 1005133-03 Client Smp ID: SS75-0-1
Inj Date : 02-JUN-2010 10:30
Operator : 2743 Inst ID: 5972hp66.i
Smp Info : 1005133-03:2743
Misc Info : SS75-0-1
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100601C66.b/SIM_8270Cv2DOD.m
Meth Date : 07-Jun-2010 10:54 mead Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	15.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
*	1 1,4-Dichlorobenzene-d4	152	5.548	5.534	(1.000)	67675	2.00000		(a)
*	2 Naphthalene-d8	136	7.777	7.789	(1.000)	226837	2.00000		(a)
*	3 Acenaphthene-d10	164	11.205	11.205	(1.000)	95388	2.00000		(a)
*	4 Phenanthrene-d10	188	14.087	14.100	(1.000)	155595	2.00000		(a)
*	5 Chrysene-d12	240	19.345	19.354	(1.000)	136020	2.00000		(a)
*	6 Perylene-d12	264	21.994	21.994	(1.000)	109153	2.00000		(a)
$	9 Nitrobenzene-d5	82	6.552	6.537	(0.842)	27335	0.54155	11	
$	10 2-Fluorobiphenyl	172	9.941	9.940	(0.887)	47806	0.48027	9.4	
$	12 Terphenyl-d14	244	17.333	17.346	(0.896)	38552	0.78006	15	
	13 Naphthalene	128	7.816	7.815	(1.005)	7355	0.05242	1.0	(a)
	15 2-Methylnaphthalene	141	Compound Not Detected.						
	17 Acenaphthylene	152	Compound Not Detected.						
	18 Acenaphthene	154	Compound Not Detected.						

RW 6/18/10

Data File: /chem/5972hp66.i/DS100601C66.b/1005133-03C66.d
Report Date: 07-Jun-2010 11:48

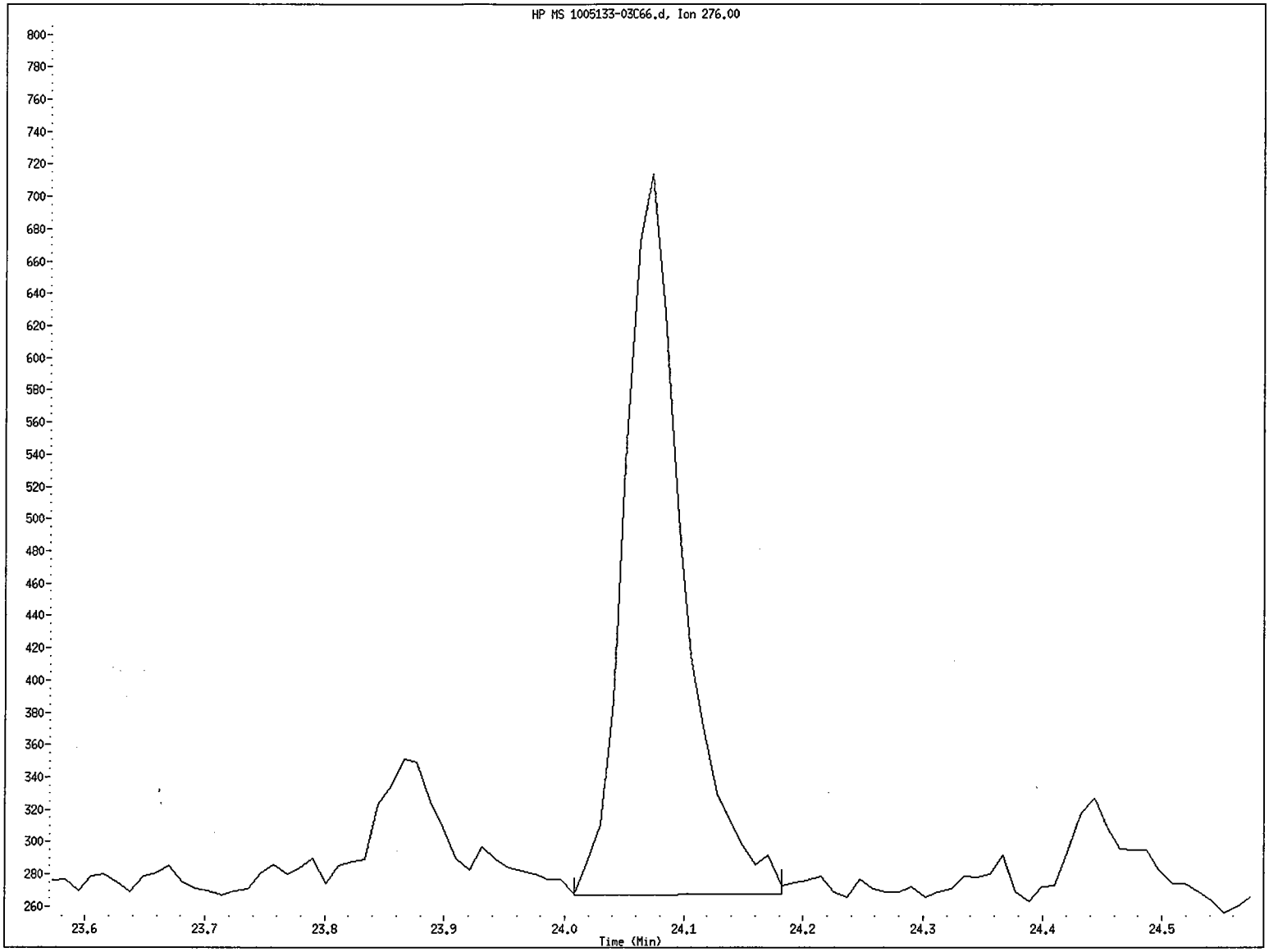
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	14.126	14.139	(1.003)	7946	0.08190	1.6(a)
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	16.499	16.499	(0.853)	7251	0.08039	1.6(a)
28 Pyrene	202	16.916	16.929	(0.874)	7671	0.07810	1.5(a)
29 Benzo(a)anthracene	228	19.310	19.319	(0.998)	3255	0.04402	0.86(a)
30 Chrysene	228	19.389	19.397	(1.002)	3803	0.04749	0.93(a)
31 Benzo(b)fluoranthene	252	21.341	21.330	(0.970)	3079	0.04277	0.84(a)
32 Benzo(k)fluoranthene	252	21.374	21.374	(0.972)	3307	0.04269	0.84(a)
33 Benzo(a)pyrene	252	21.885	21.885	(0.995)	2155	0.03322	0.65(a)
34 Indeno(1,2,3-cd)pyrene	276	24.073	24.073	(1.095)	1532	0.02677	0.52(aM)
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	24.672	24.661	(1.122)	1606	0.02532	0.50(a)

2 RW 6/8/10

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

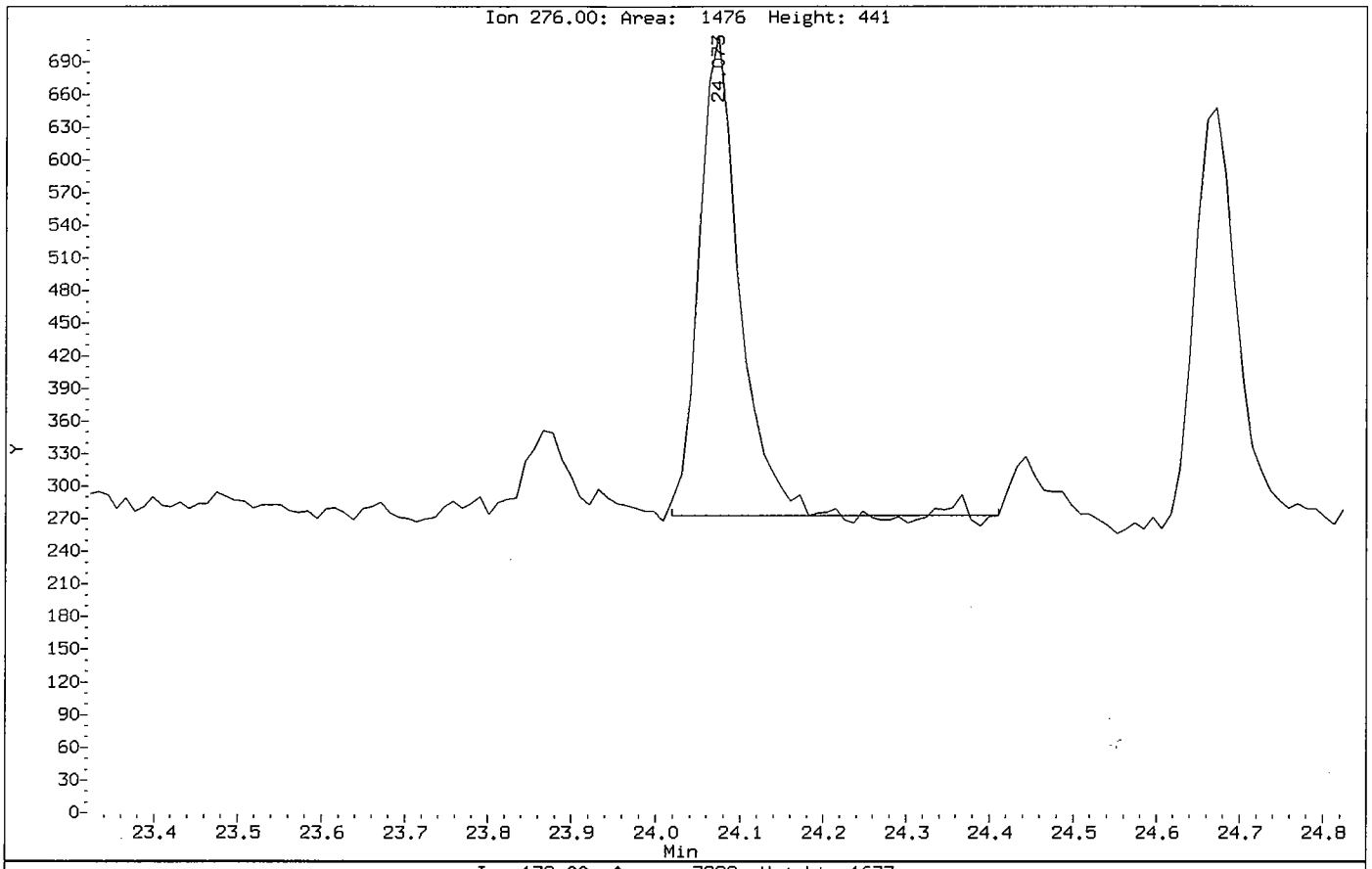
Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 1532 Manually integrated

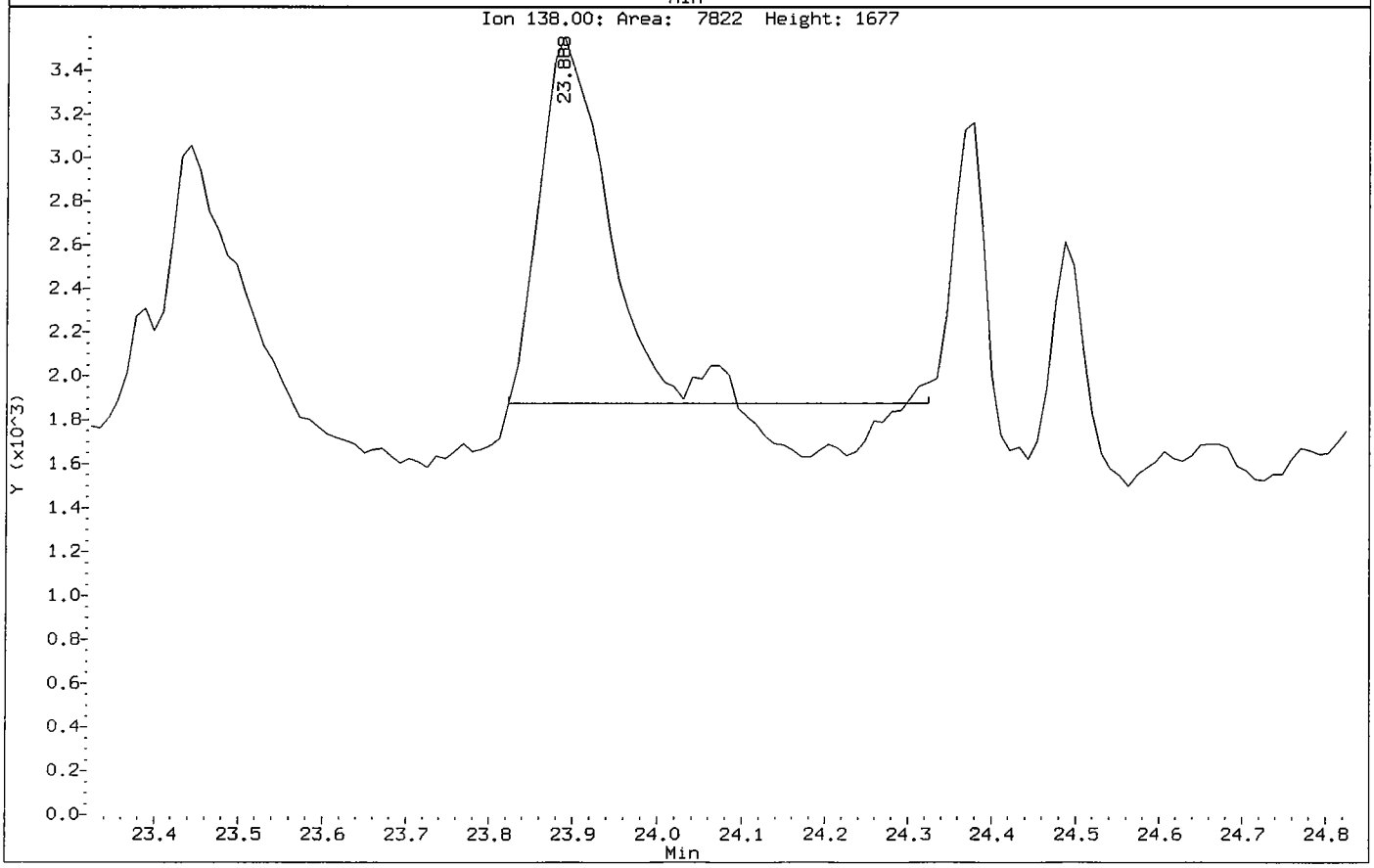


File name: /chem/5972hp66.i/DS100601C66.b/1005133-03C66.d
Client ID: SS75-0-1
Instrument ID: 5972hp66.i
Injection Date and Time: 02-JUN-2010 10:30
Retention Time: 24.07
Operator ID: 2743

Data File: /chem/5972hp66.i/DS100601C66.b/1005133-03C66.d
Injection Date: 02-JUN-2010 10:30
Instrument: 5972hp66.i
Client Sample ID: SS75-0-1

Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





Data File: /chem/5972hp66.i/DS100601C66.b/1005133-03C66.d

Date : 02-JUN-2010 10:30

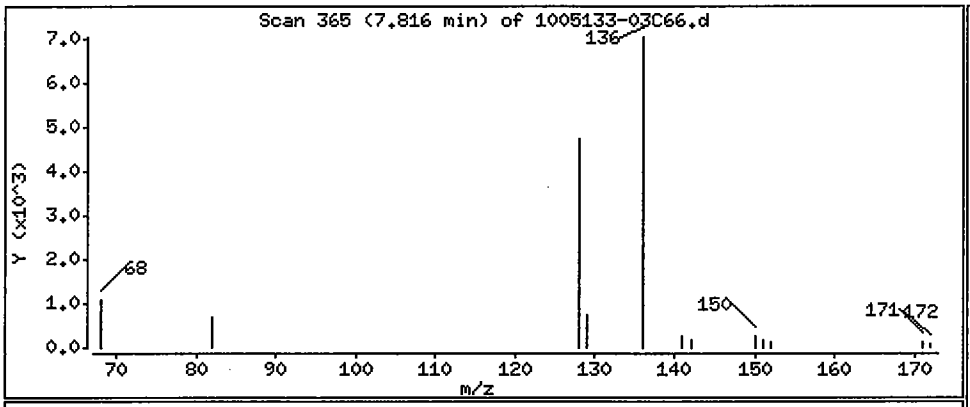
Client ID: SS75-0-1 Instrument: 5972hp66.i

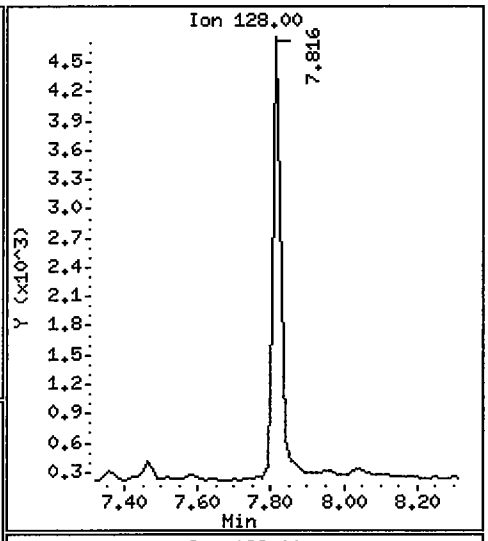
Sample Info: 1005133-03:2743

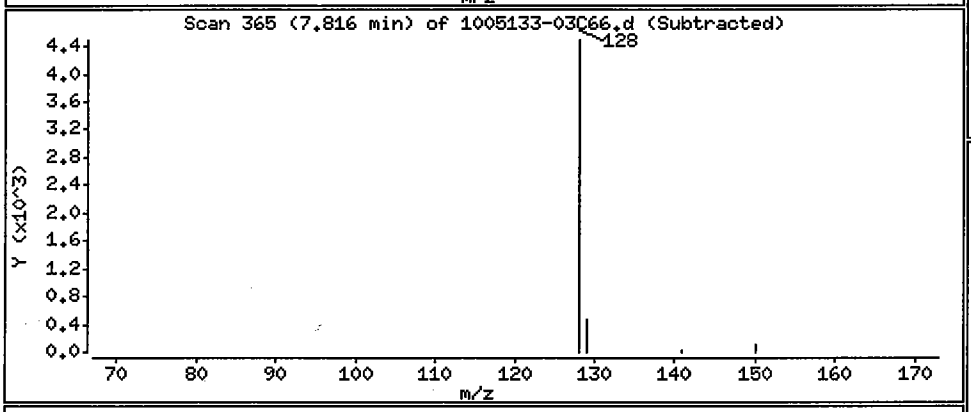
Volume Injected (uL): 2.0 Operator: 2743

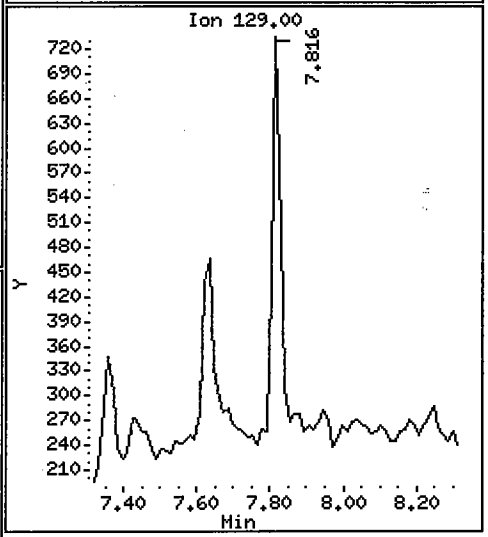
Column phase: Rtx-5MS Column diameter: 0.32

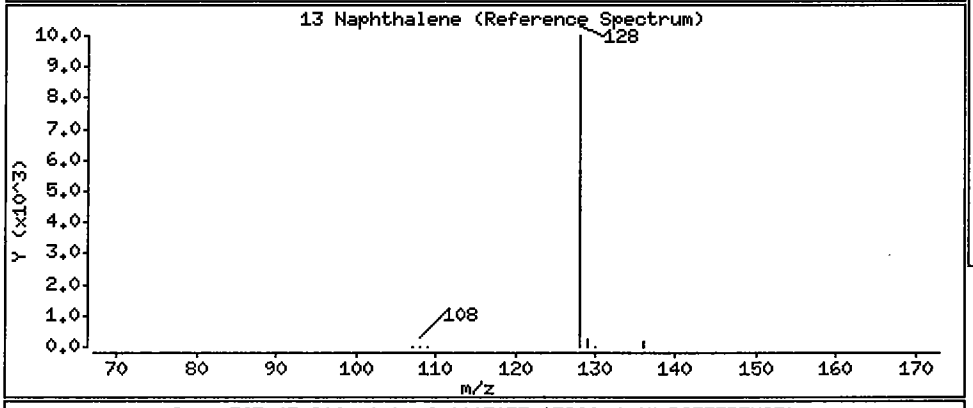
13 Naphthalene Concentration: 1.0 ug/Kg

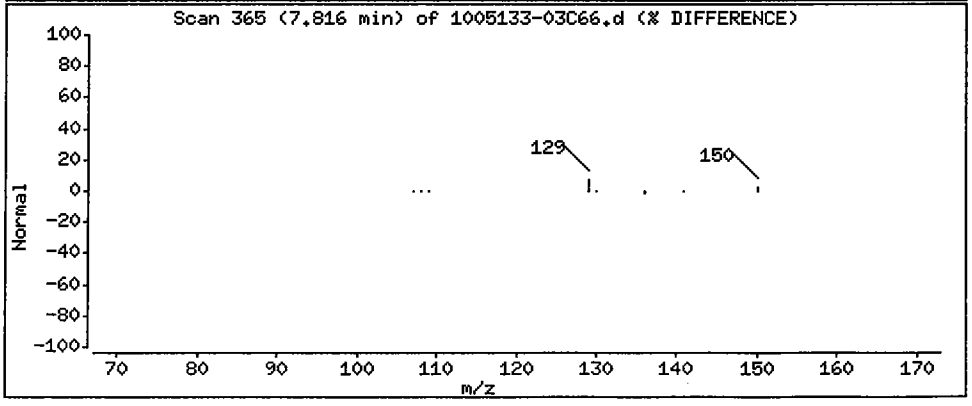












Data File: /chem/5972hp66.i/DS100601C66.b/1005133-03C66.d

Date : 02-JUN-2010 10:30

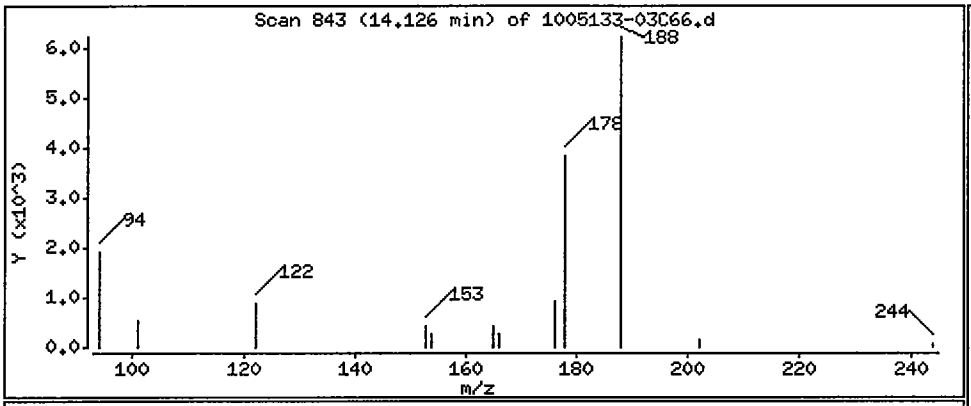
Client ID: SS75-0-1 Instrument: 5972hp66.i

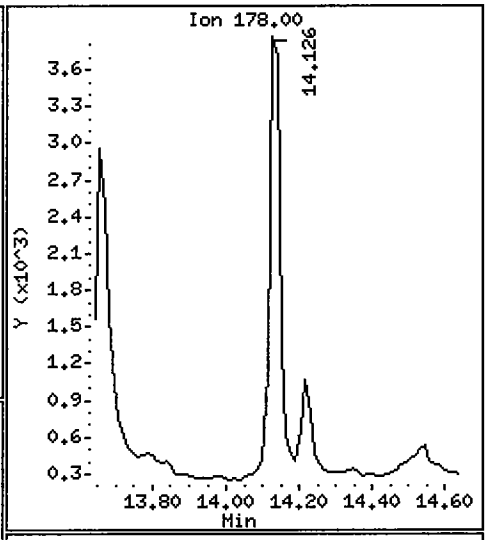
Sample Info: 1005133-03:2743

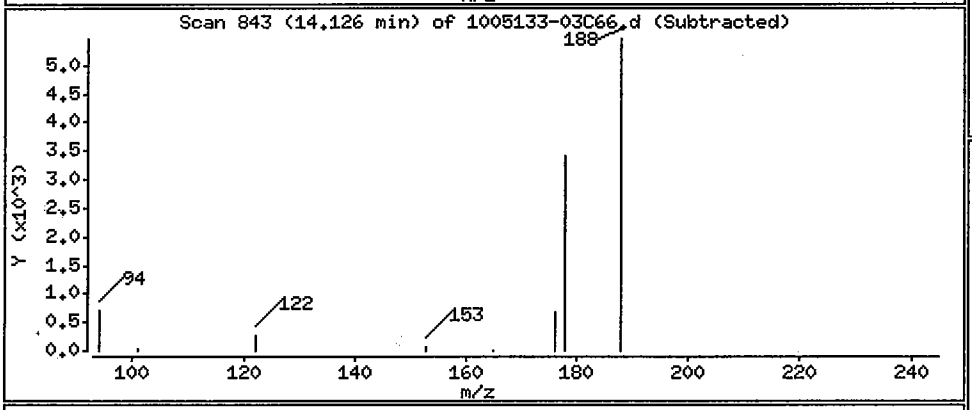
Volume Injected (uL): 2.0 Operator: 2743

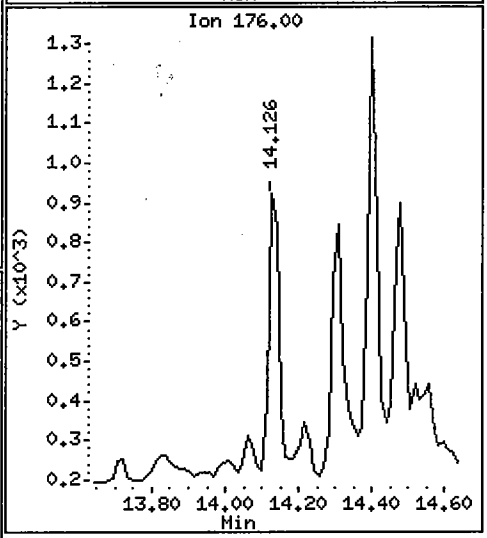
Column phase: Rtx-5MS Column diameter: 0.32

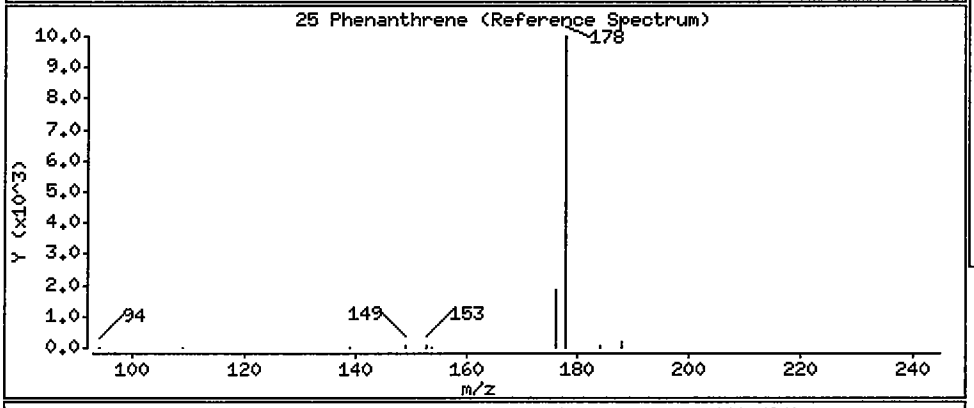
25 Phenanthrene Concentration: 1.6 ug/Kg

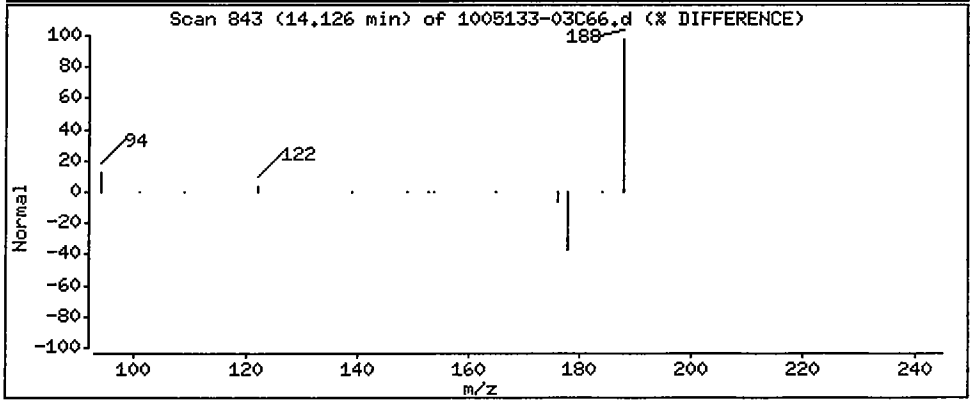












Data File: /chem/5972hp66.i/DS100601C66.b/1005133-03C66.d

Date : 02-JUN-2010 10:30

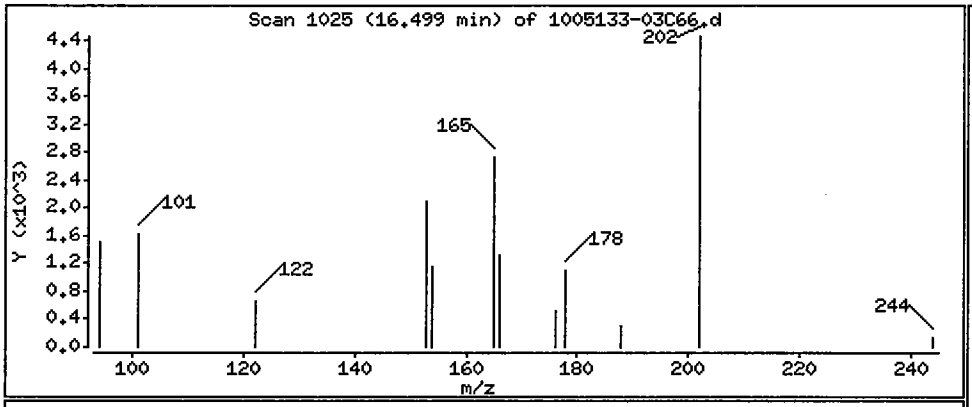
Client ID: SS75-0-1 Instrument: 5972hp66.i

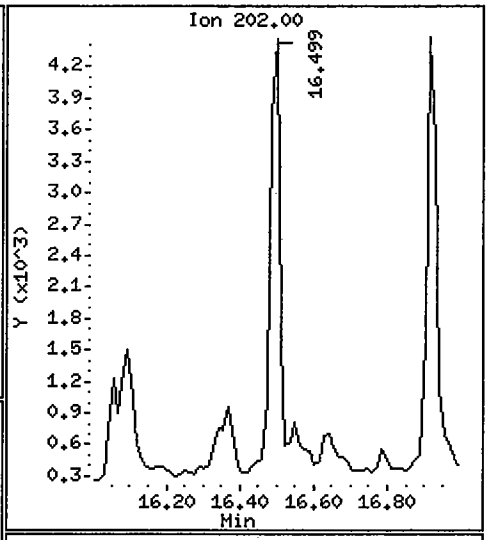
Sample Info: 1005133-03:2743

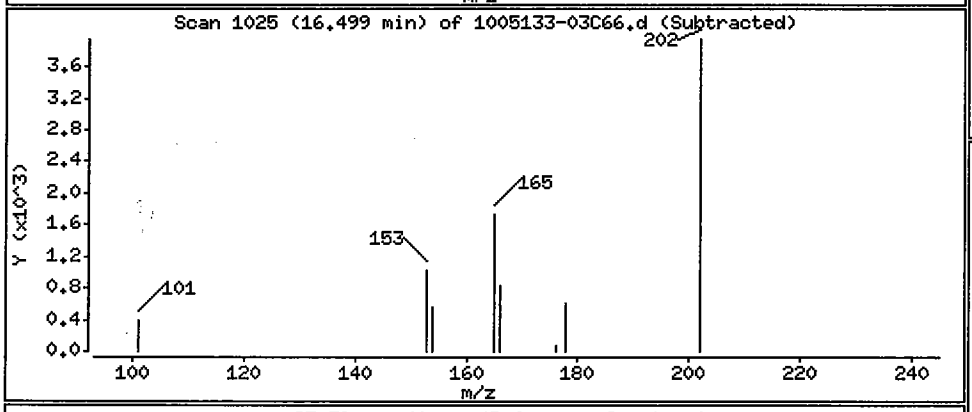
Volume Injected (uL): 2.0 Operator: 2743

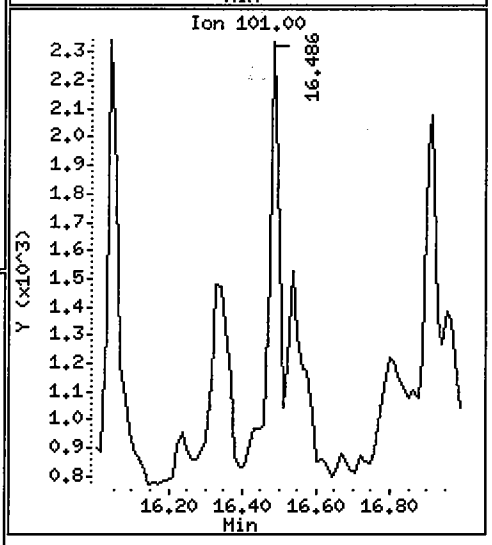
Column phase: Rtx-5MS Column diameter: 0.32

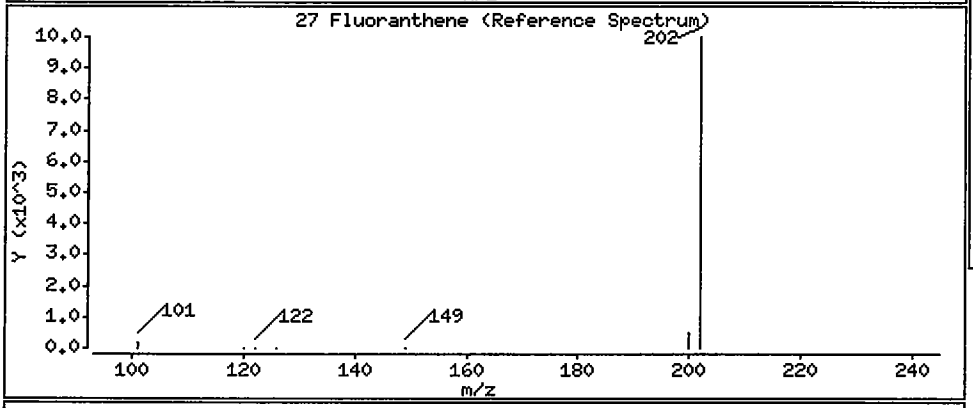
27 Fluoranthene Concentration: 1.6 ug/Kg

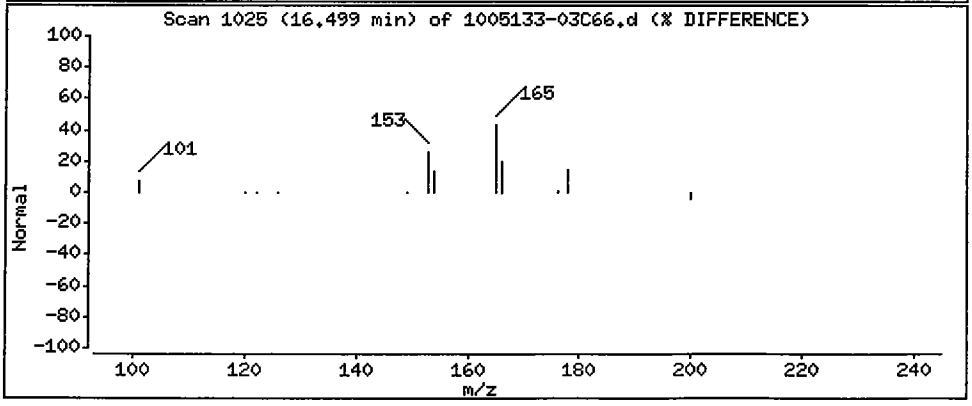












Data File: /chem/5972hp66.i/DS100601C66.b/1005133-03C66.d

Date : 02-JUN-2010 10:30

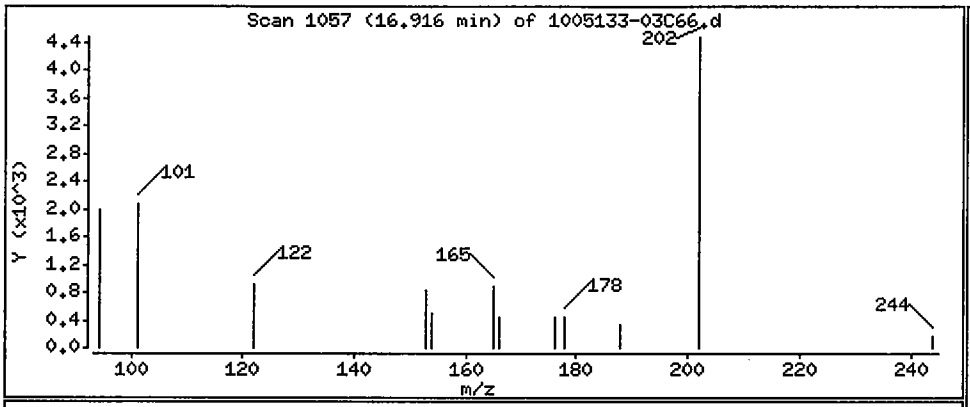
Client ID: SS75-0-1 Instrument: 5972hp66.i

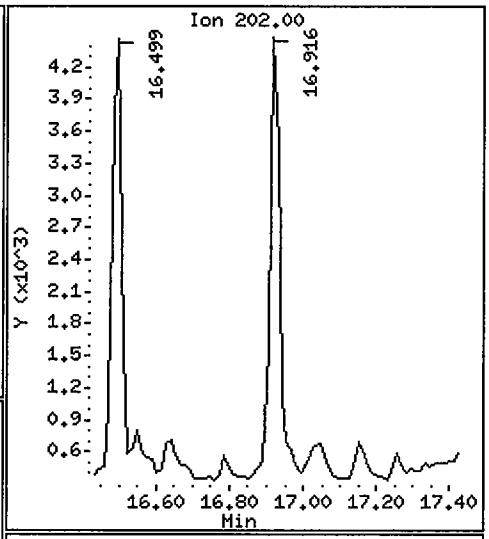
Sample Info: 1005133-03:2743

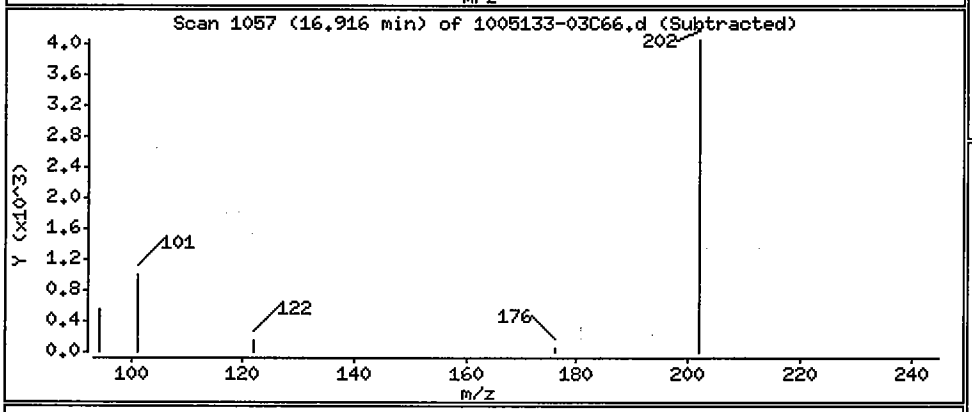
Volume Injected (uL): 2.0 Operator: 2743

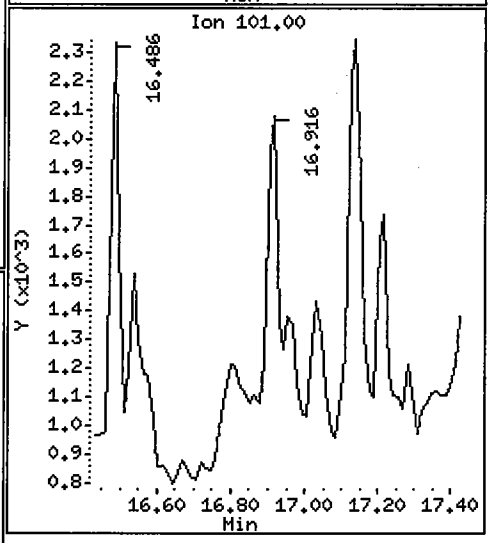
Column phase: Rtx-5MS Column diameter: 0.32

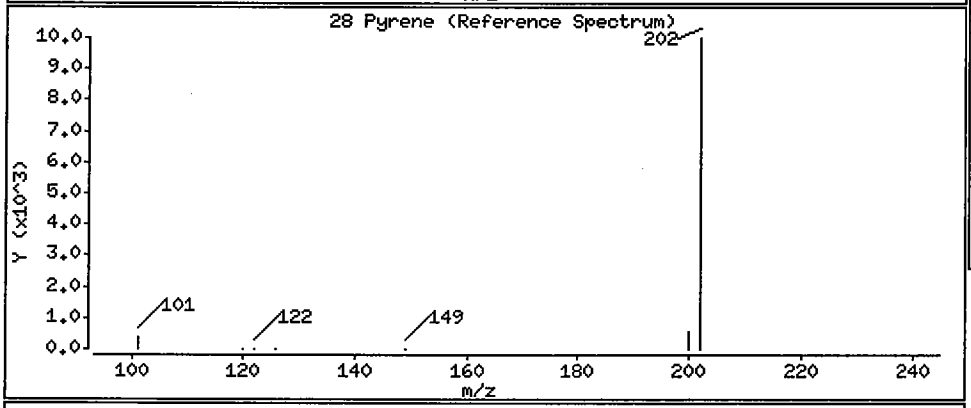
28 Pyrene Concentration: 1.5 ug/Kg

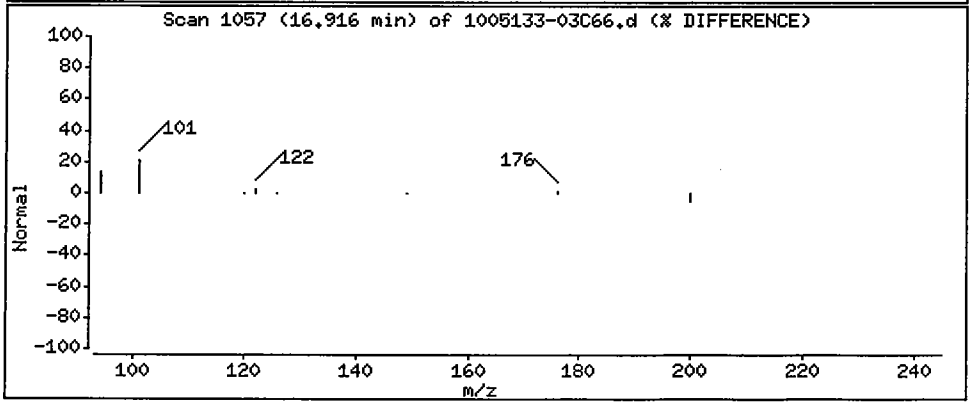












Data File: /chem/5972hp66.i/DS100601C66.b/1005133-03C66.d

Date : 02-JUN-2010 10:30

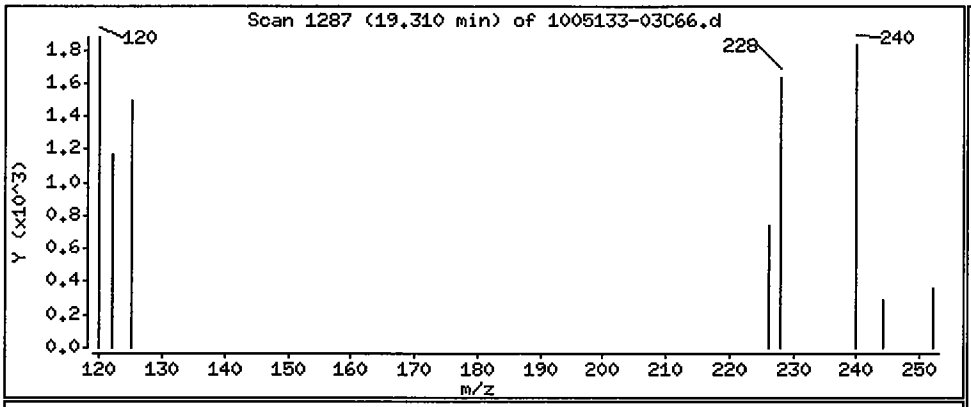
Client ID: SS75-0-1 Instrument: 5972hp66.i

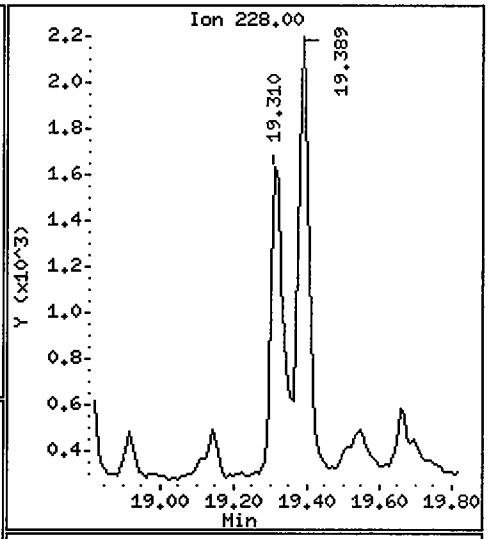
Sample Info: 1005133-03:2743

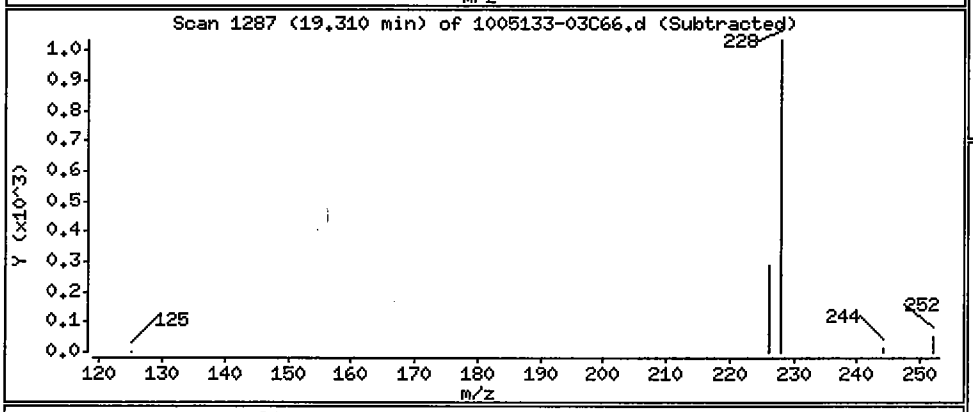
Volume Injected (uL): 2.0 Operator: 2743

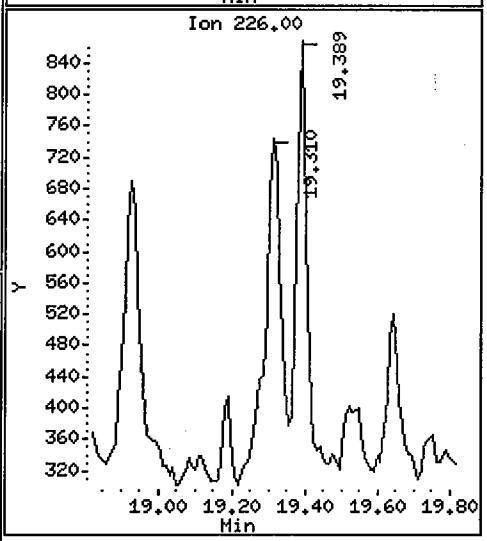
Column phase: Rtx-5MS Column diameter: 0.32

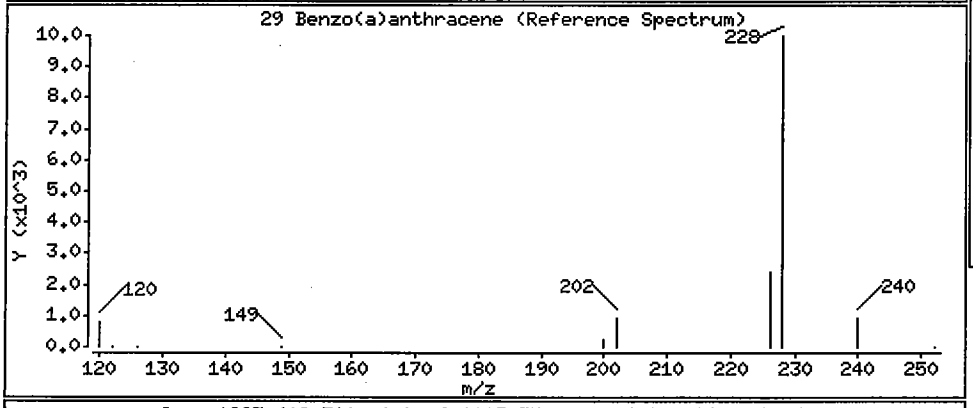
29 Benzo(a)anthracene Concentration: 0.86 ug/Kg

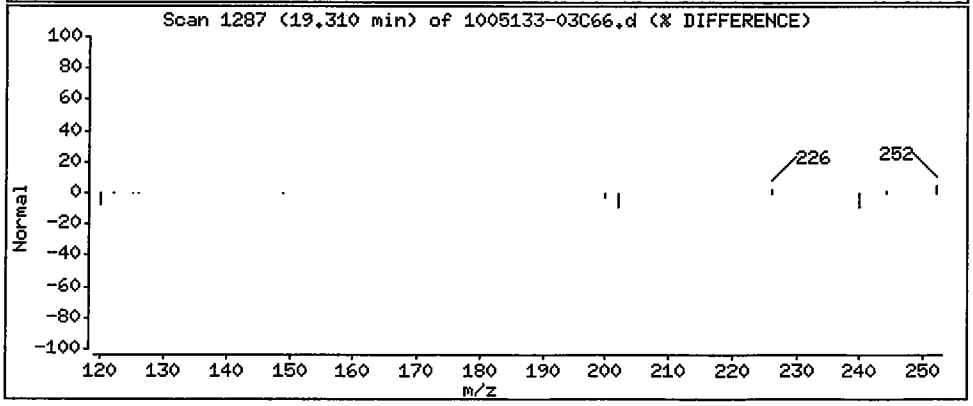












Data File: /chem/5972hp66.i/DS100601C66.b/1005133-03C66.d

Date : 02-JUN-2010 10:30

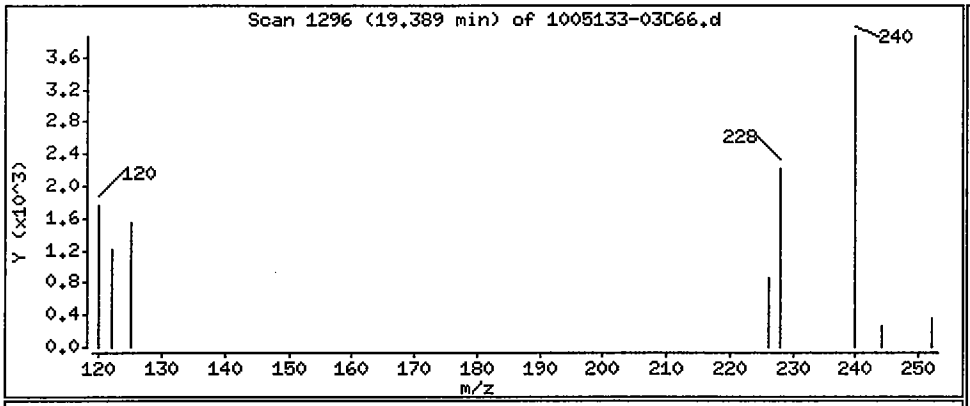
Client ID: SS75-0-1 Instrument: 5972hp66.i

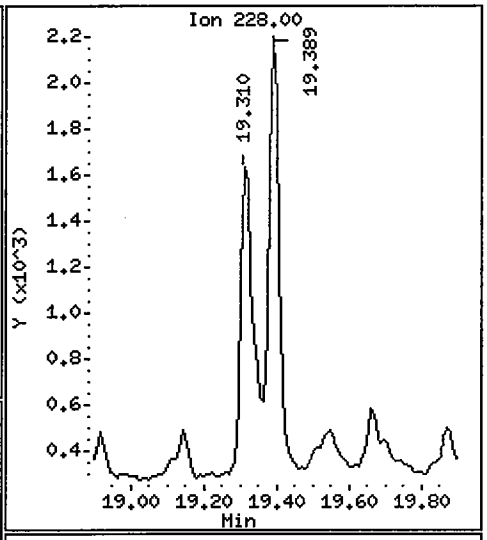
Sample Info: 1005133-03:2743

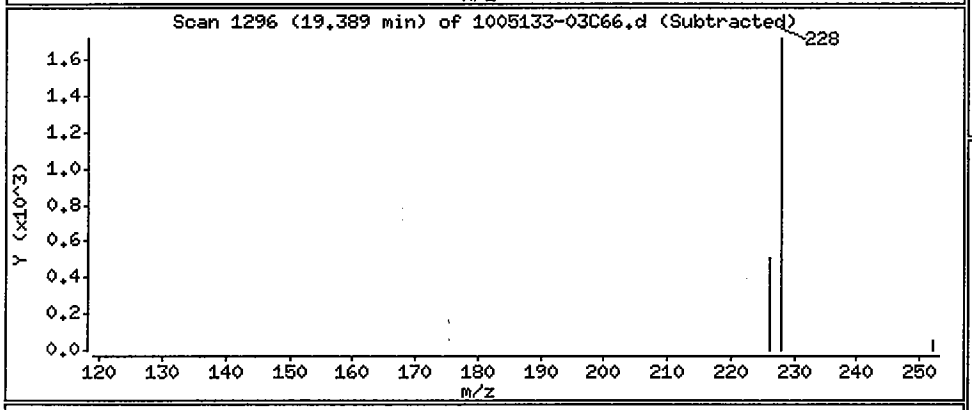
Volume Injected (uL): 2.0 Operator: 2743

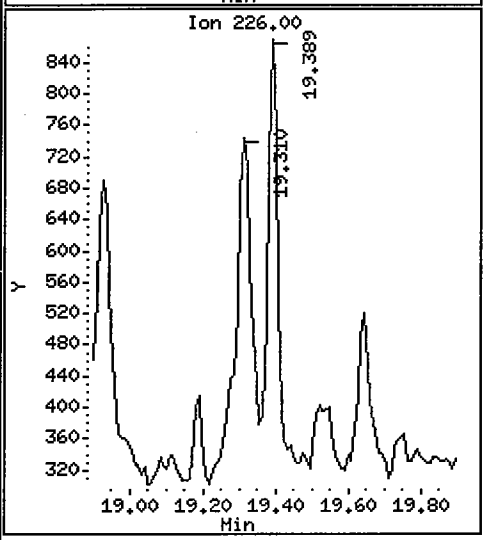
Column phase: Rtx-5MS Column diameter: 0.32

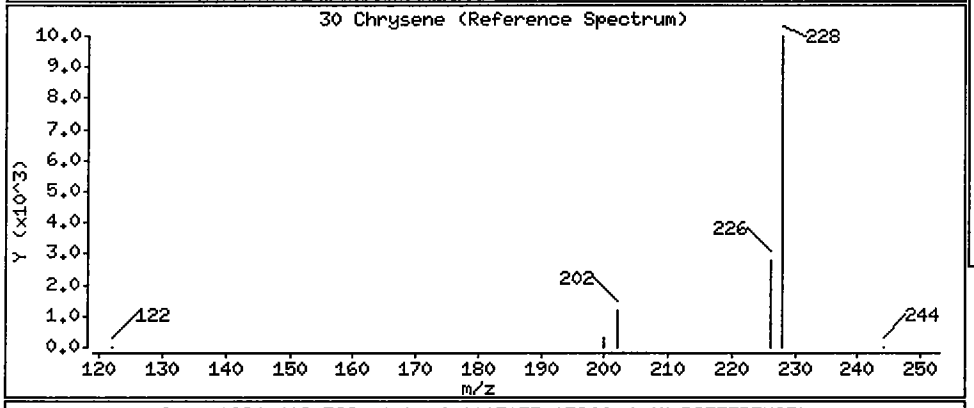
30 Chrysene Concentration: 0.93 ug/Kg

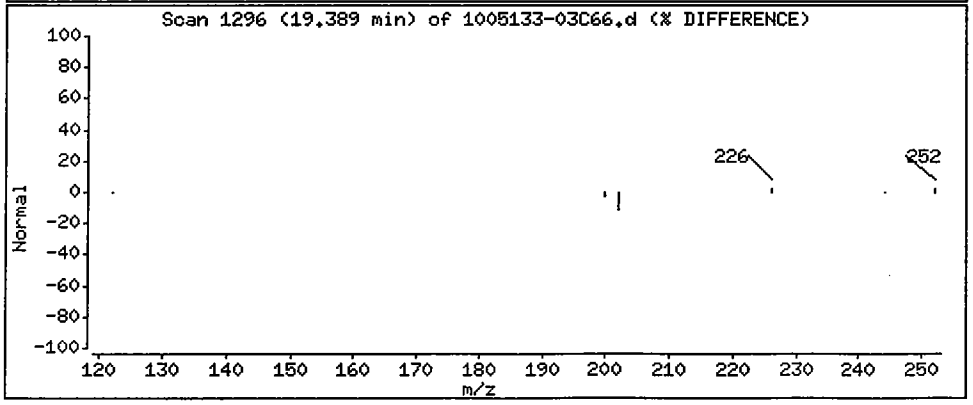












Data File: /chem/5972hp66.i/DS100601C66.b/1005133-03C66.d

Date : 02-JUN-2010 10:30

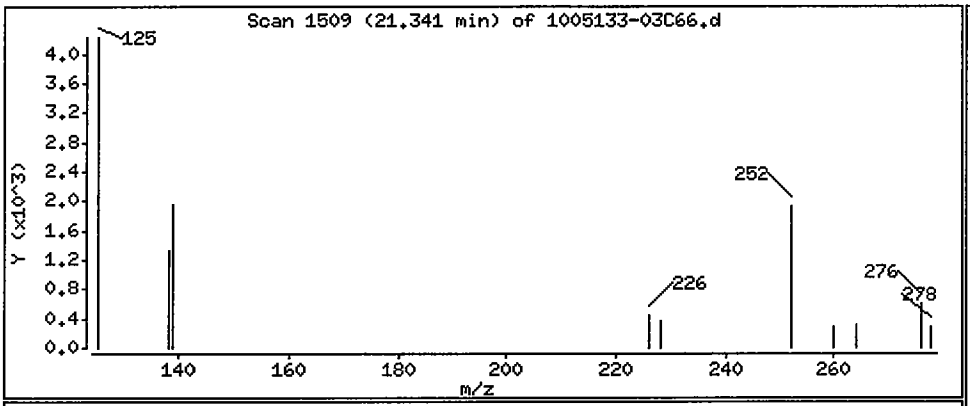
Client ID: SS75-0-1 Instrument: 5972hp66.i

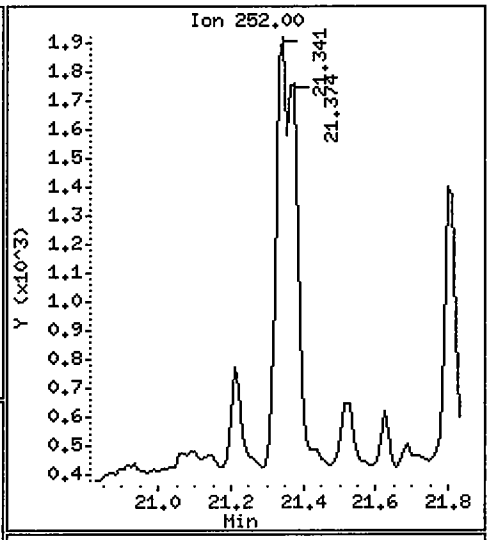
Sample Info: 1005133-03:2743

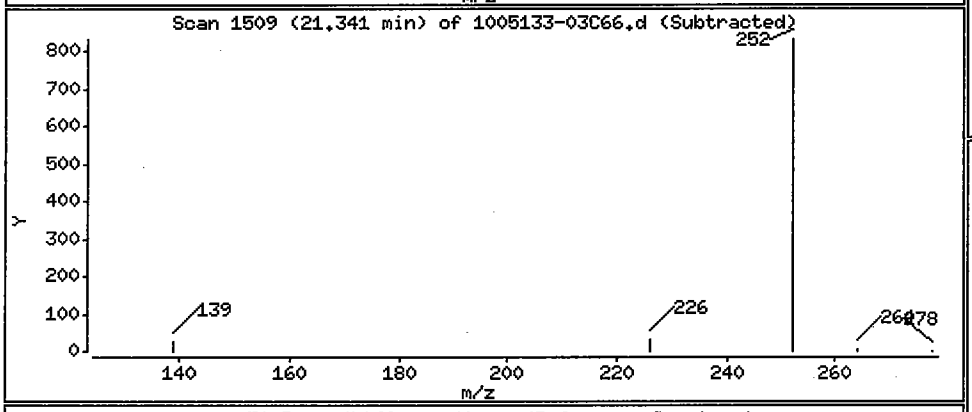
Volume Injected (uL): 2.0 Operator: 2743

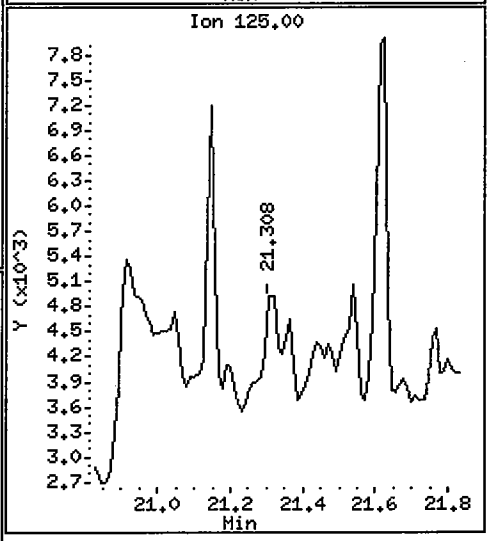
Column phase: Rtx-5MS Column diameter: 0.32

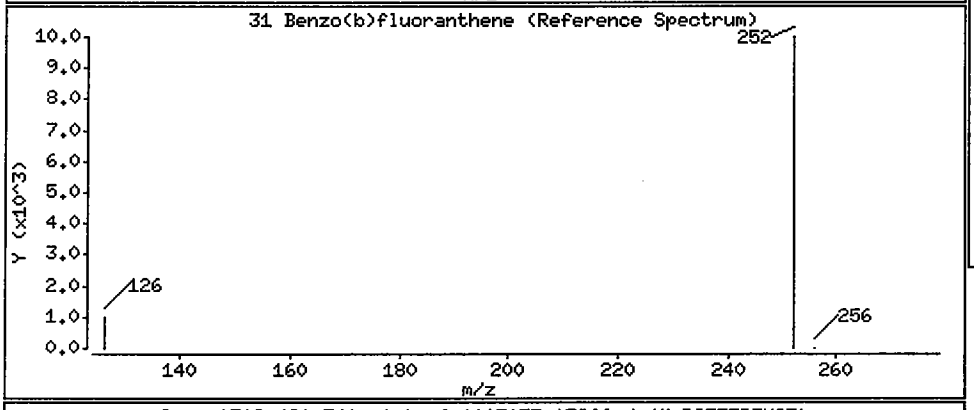
31 Benzo(b)fluoranthene Concentration: 0.84 ug/Kg

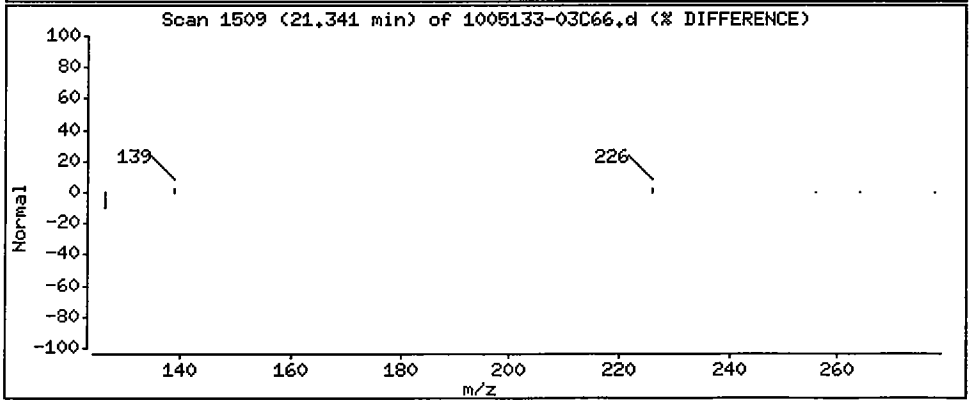












Data File: /chem/5972hp66.i/DS100601C66.b/1005133-03C66.d

Date : 02-JUN-2010 10:30

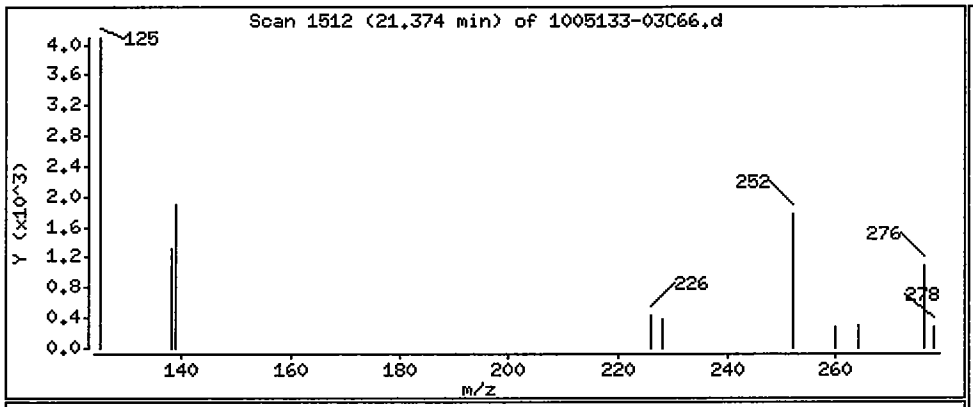
Client ID: SS75-0-1 Instrument: 5972hp66.i

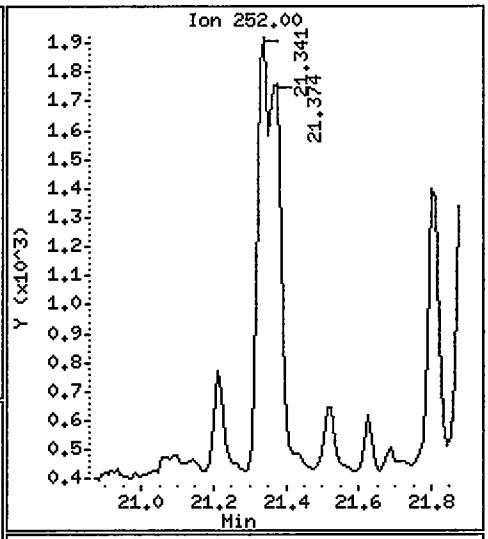
Sample Info: 1005133-03:2743

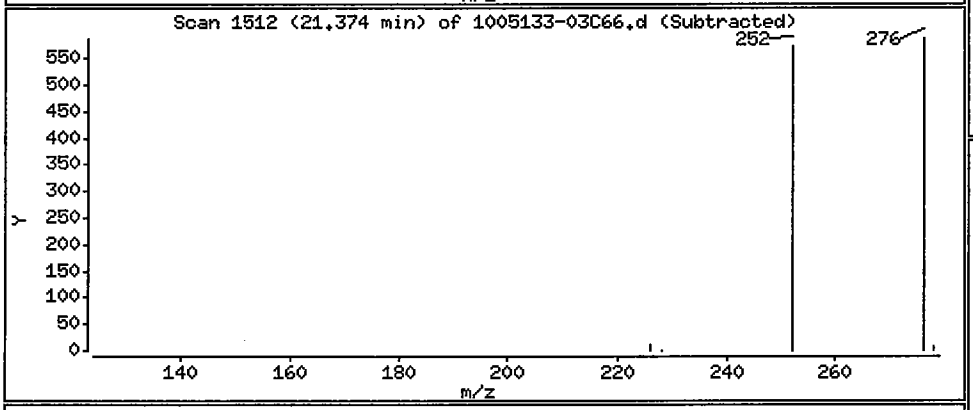
Volume Injected (uL): 2.0 Operator: 2743

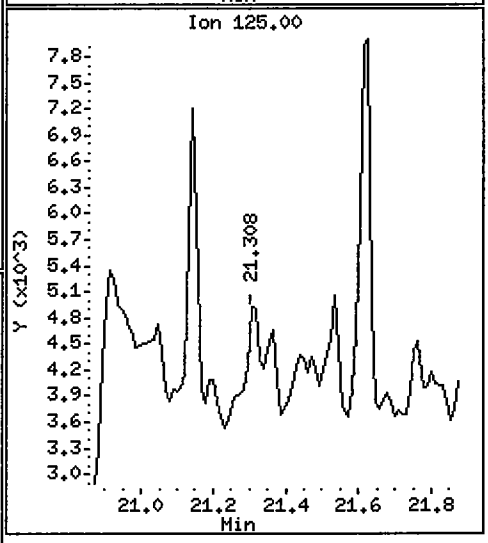
Column phase: Rtx-5MS Column diameter: 0.32

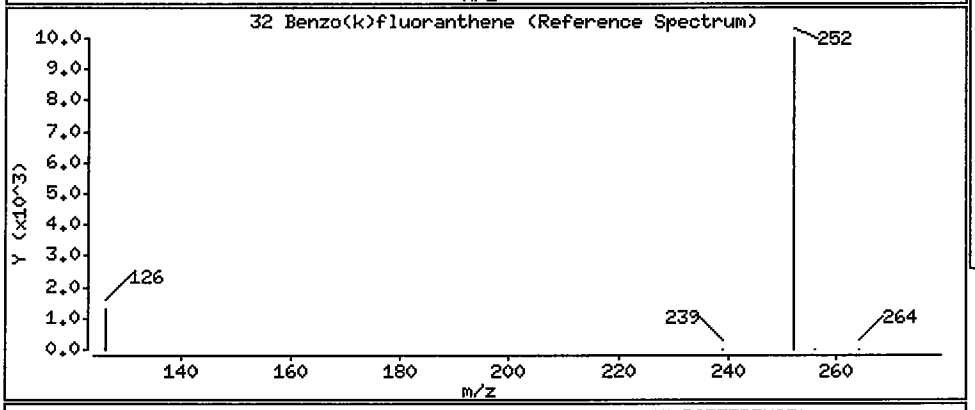
32 Benzo(k)fluoranthene Concentration: 0.84 ug/Kg

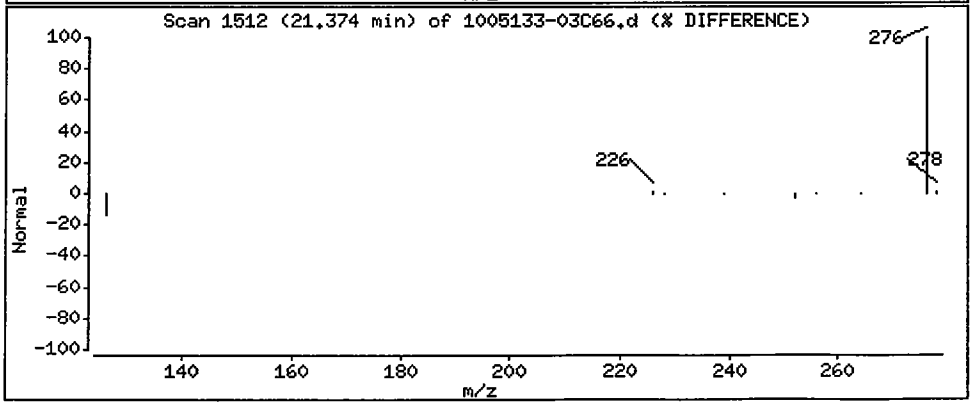












Data File: /chem/5972hp66.i/DS100601C66.b/1005133-03C66.d

Date : 02-JUN-2010 10:30

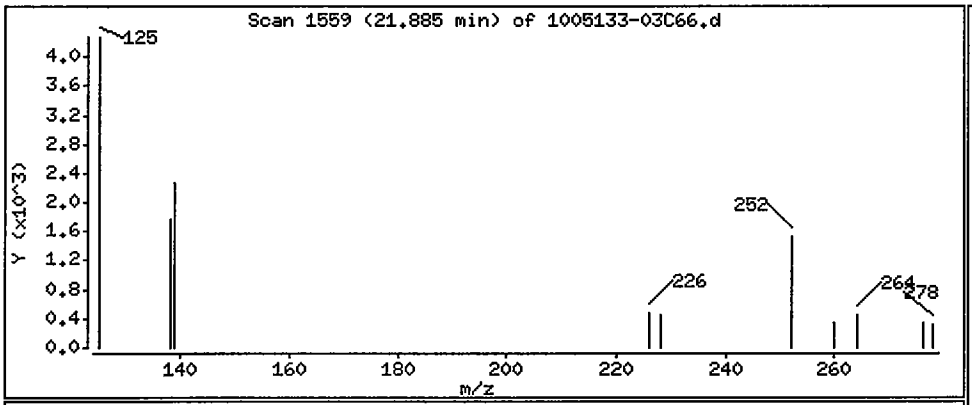
Client ID: SS75-0-1 Instrument: 5972hp66.i

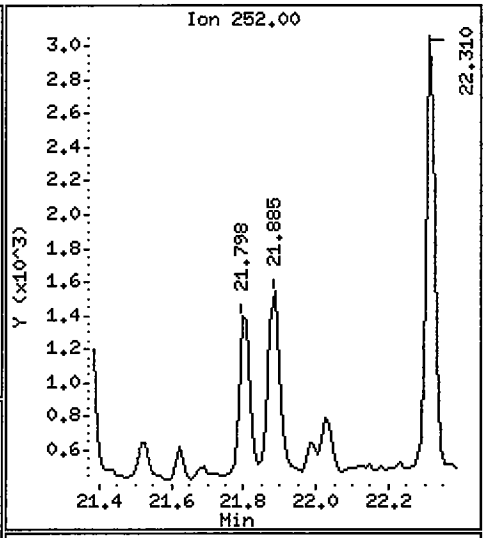
Sample Info: 1005133-03:2743

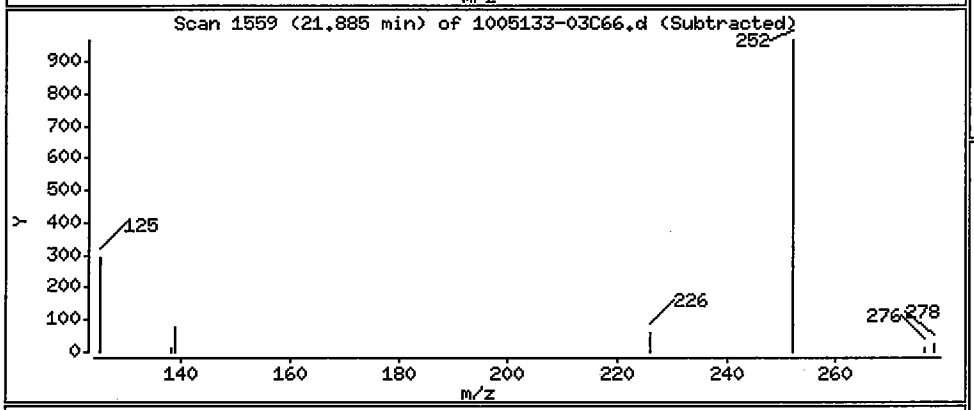
Volume Injected (uL): 2.0 Operator: 2743

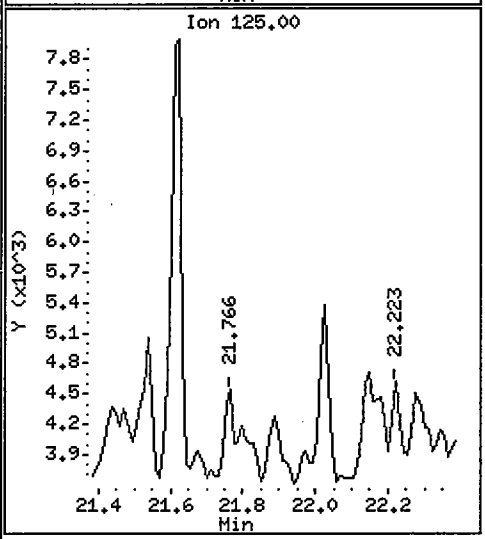
Column phase: Rtx-5MS Column diameter: 0.32

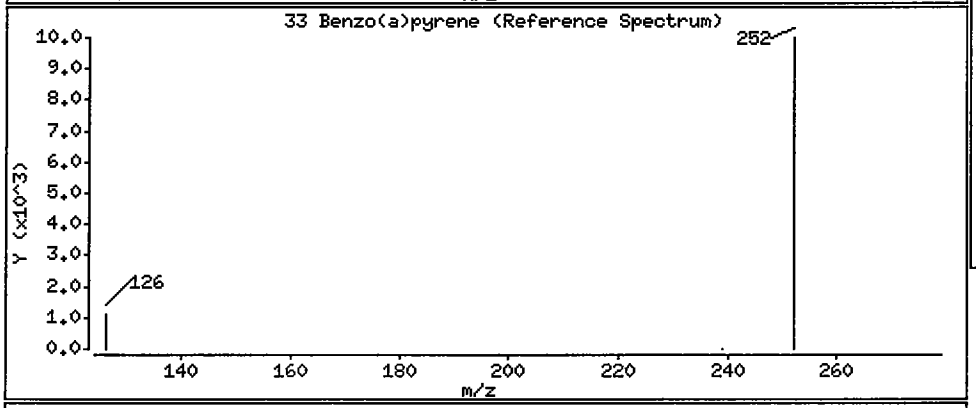
33 Benzo(a)pyrene Concentration: 0.65 ug/Kg

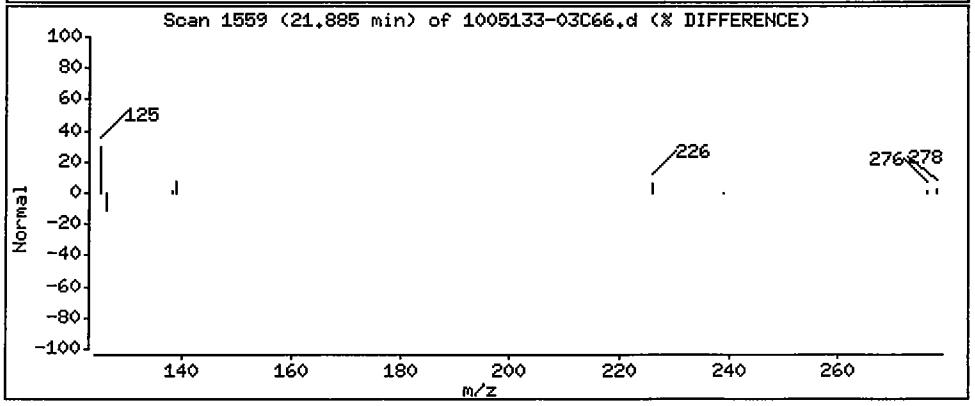












Data File: /chem/5972hp66.i/DS100601C66.b/1005133-03C66.d

Date : 02-JUN-2010 10:30

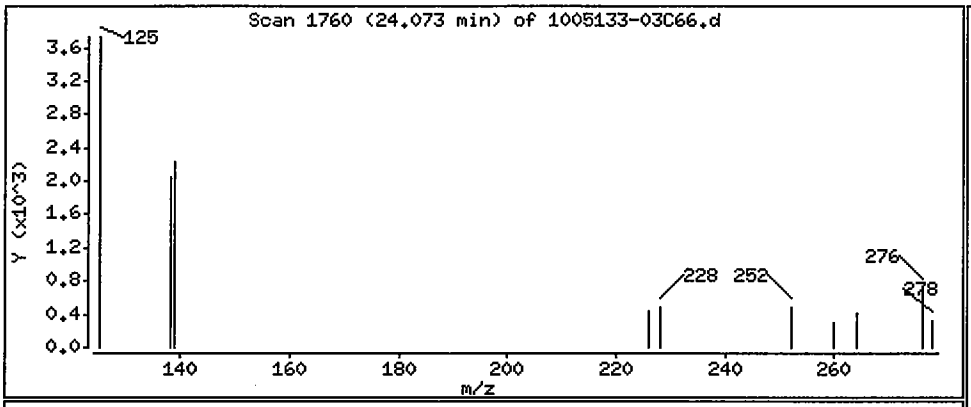
Client ID: SS75-0-1 Instrument: 5972hp66.i

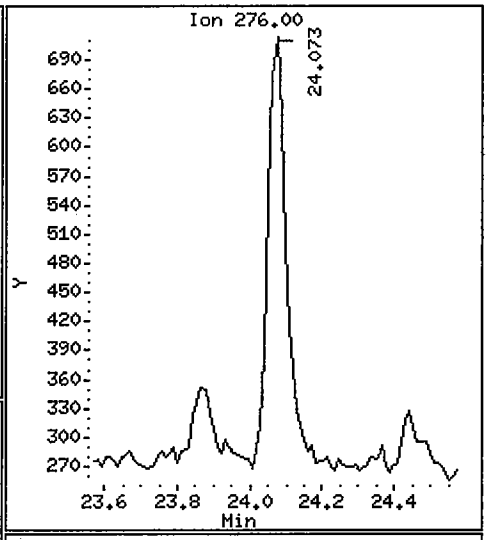
Sample Info: 1005133-03:2743

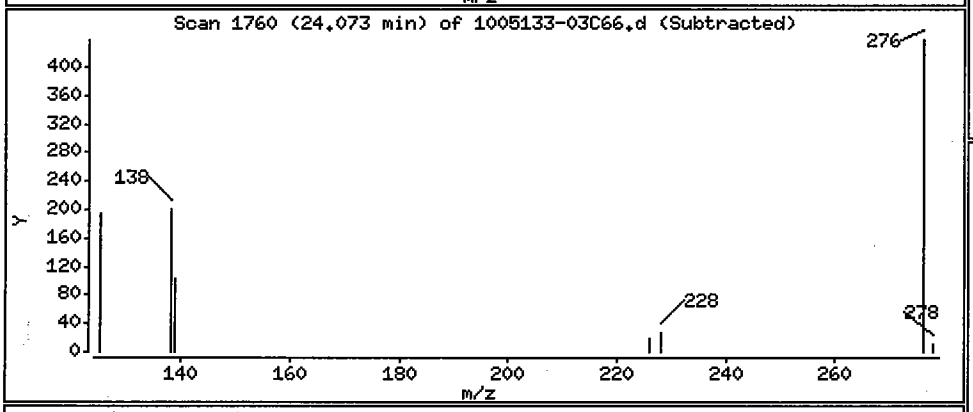
Volume Injected (uL): 2.0 Operator: 2743

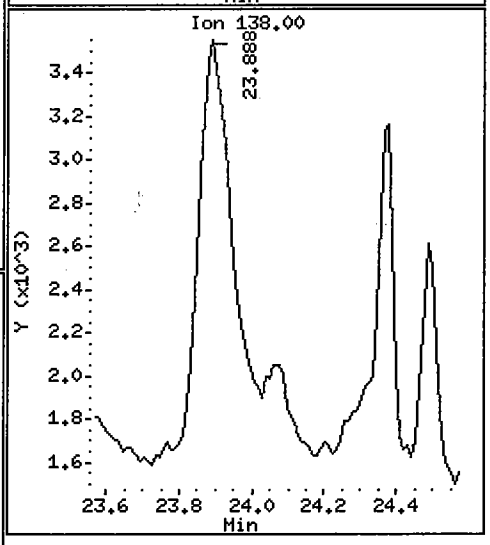
Column phase: Rtx-5MS Column diameter: 0.32

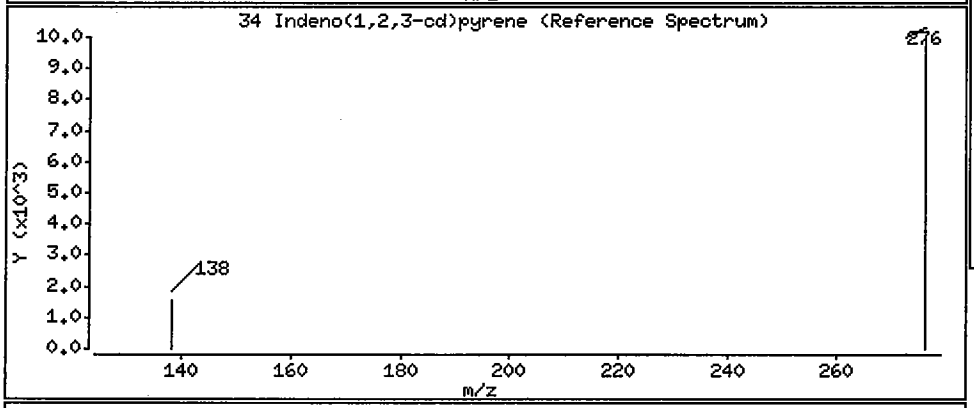
34 Indeno(1,2,3-cd)pyrene Concentration: 0.52 ug/Kg

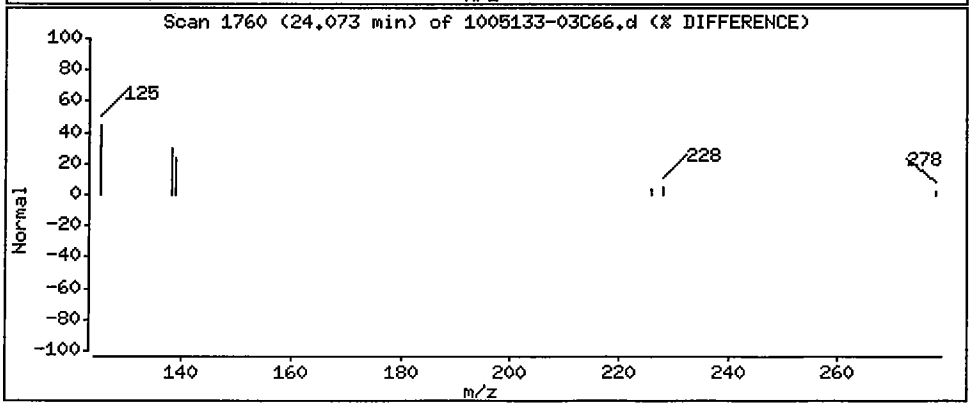












Data File: /chem/5972hp66.i/DS100601C66.b/1005133-03C66.d

Date : 02-JUN-2010 10:30

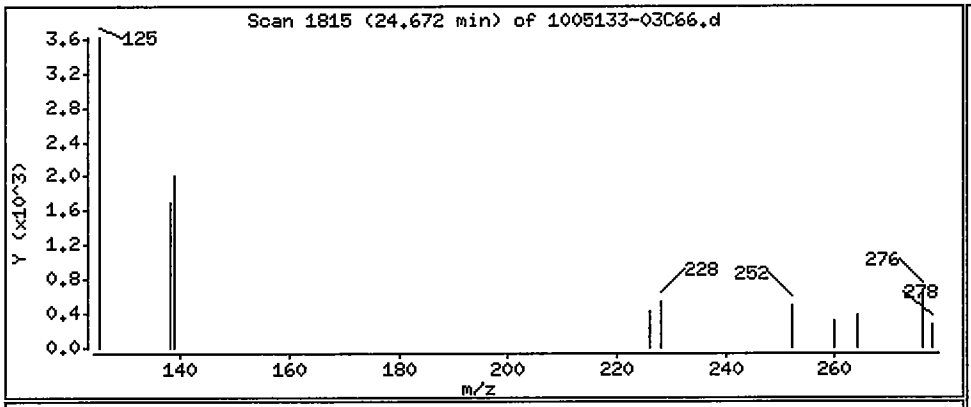
Client ID: SS75-0-1 Instrument: 5972hp66.i

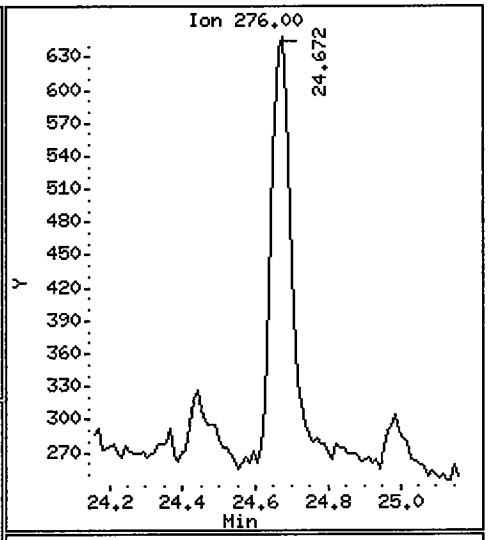
Sample Info: 1005133-03:2743

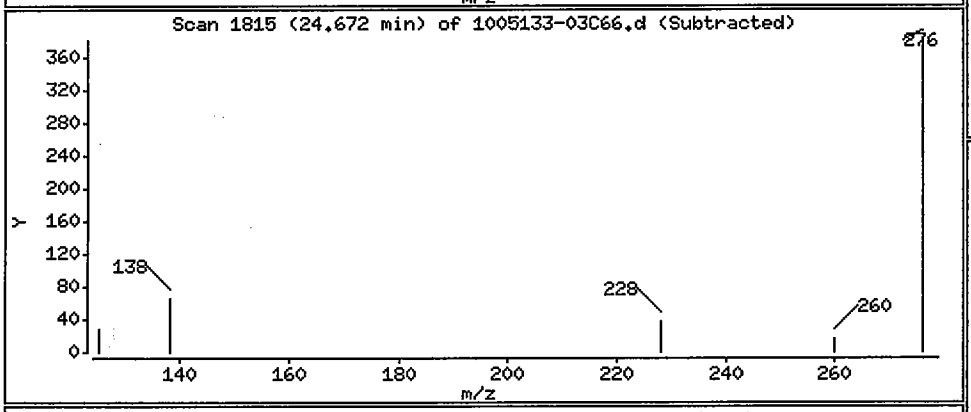
Volume Injected (uL): 2.0 Operator: 2743

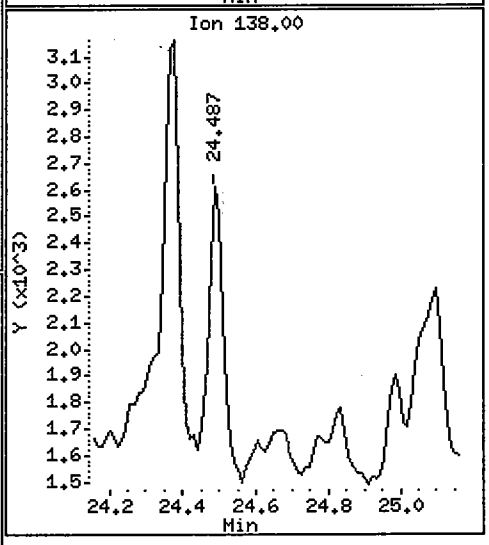
Column phase: Rtx-5MS Column diameter: 0.32

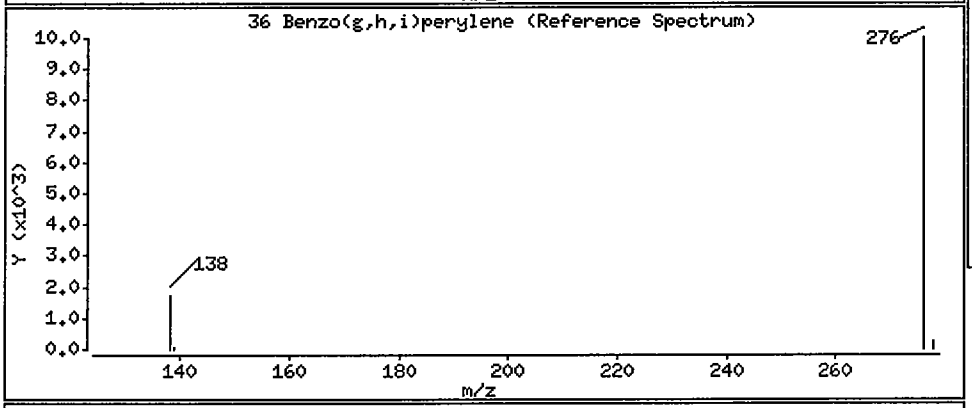
36 Benzo(g,h,i)perylene Concentration: 0.50 ug/Kg

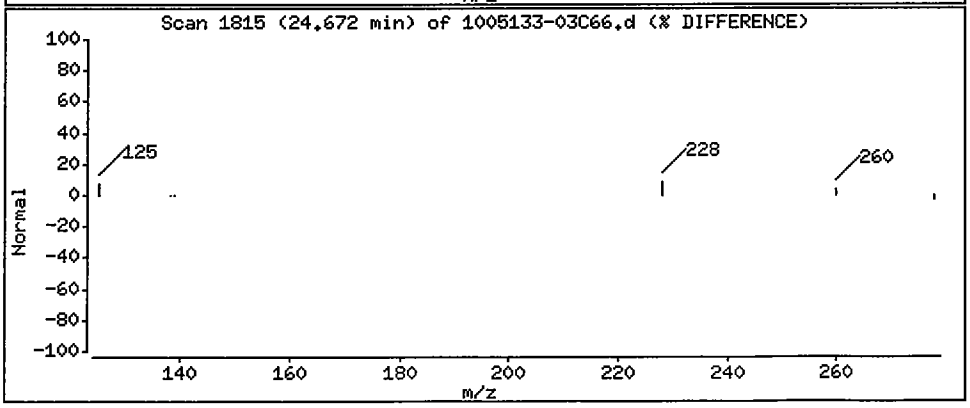












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SS76-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/19/10

Lab Sample ID: 1005133-16
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005133-16JA70
Analyst: OWS

% Moisture: 3 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK2

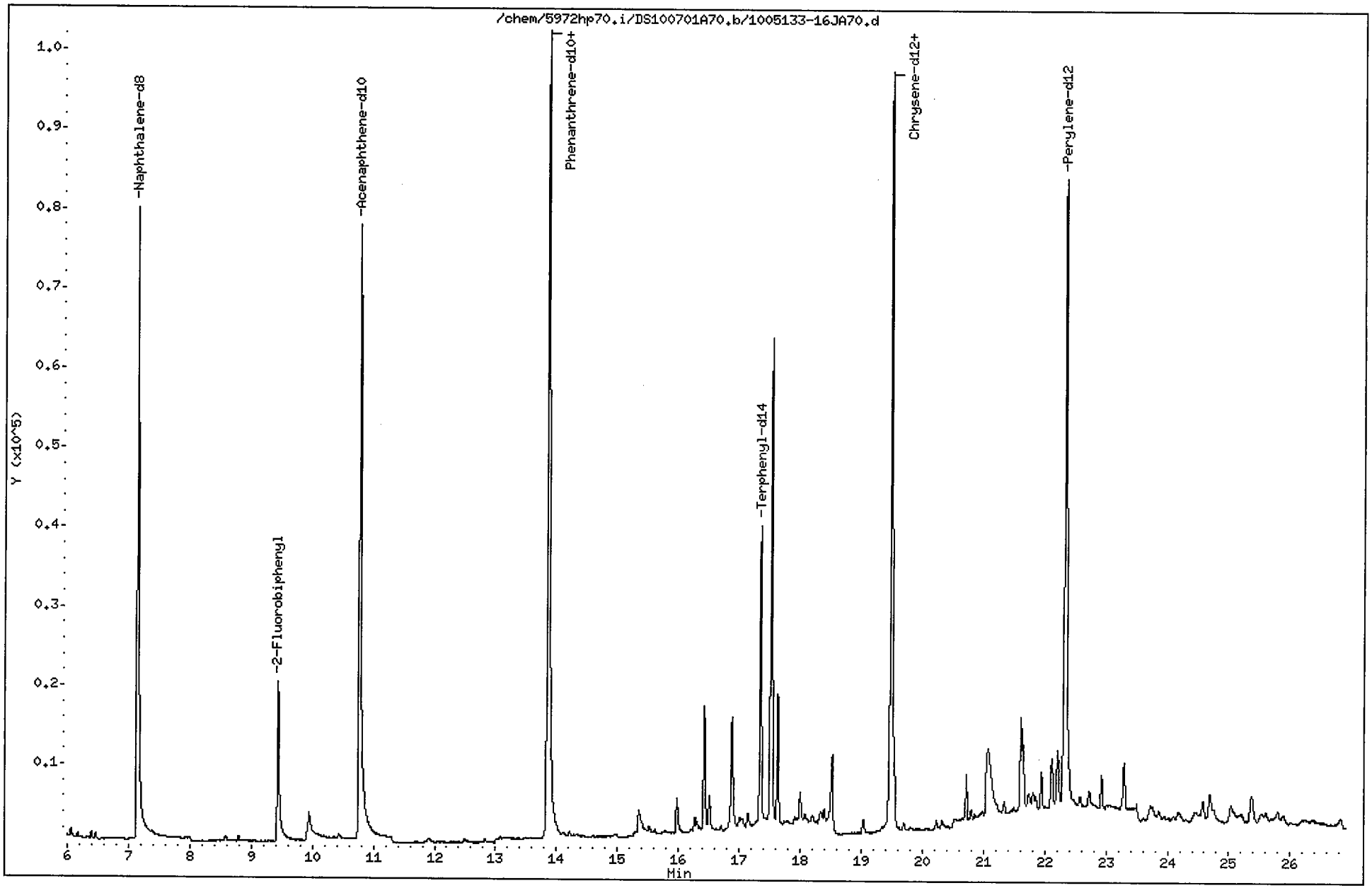
Date Extracted: 05/24/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.74	8.6	ND	U
91-57-6	2-Methylnaphthalene	0.70	8.6	ND	U
208-96-8	Acenaphthylene	0.55	8.6	ND	U
83-32-9	Acenaphthene	0.62	8.6	ND	U
86-73-7	Fluorene	0.46	8.6	ND	U
85-01-8	Phenanthrene	1.4	8.6	2.0	J
120-12-7	Anthracene	0.45	8.6	ND	U
206-44-0	Fluoranthene	1.4	8.6	3.6	J
129-00-0	Pyrene	0.58	8.6	3.1	J
56-55-3	Benzo(a)anthracene	0.58	8.6	2.7	J
218-01-9	Chrysene	0.65	8.6	2.9	J
205-99-2	Benzo(b)fluoranthene	0.58	8.6	3.5	J
207-08-9	Benzo(k)fluoranthene	0.45	8.6	2.2	J
50-32-8	Benzo(a)pyrene	0.40	8.6	2.7	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	8.6	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.34	8.6	ND	U
191-24-2	Benzo(g,h,i)perylene	0.40	8.6	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp70.i/DS100701A70.b/1005133-16JA70.d
Date : 01-JUL-2010 17:59
Client ID: SS76-0-1
Sample Info: 1005133-16:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701A70.b/1005133-16JA70.d
Report Date: 02-Jul-2010 13:31

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701A70.b/1005133-16JA70.d
Lab Smp Id: 1005133-16 Client Smp ID: SS76-0-1
Inj Date : 01-JUL-2010 17:59
Operator : OWS Inst ID: 5972hp70.i
Smp Info : 1005133-16:OWS
Misc Info : SS76-0-1
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701A70.b/SIM_8270Cv3DOD.m
Meth Date : 02-Jul-2010 13:19 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	3.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
* 1 1,4-Dichlorobenzene-d4	152	4.844	4.820	(1.000)	39448	2.00000		(a)
* 2 Naphthalene-d8	136	7.139	7.130	(1.000)	151306	2.00000		(a)
* 3 Acenaphthene-d10	164	10.770	10.763	(1.000)	96111	2.00000		(a)
* 4 Phenanthrene-d10	188	13.854	13.846	(1.000)	194739	2.00000		(a)
* 5 Chrysene-d12	240	19.484	19.476	(1.000)	151855	2.00000		(a)
* 6 Perylene-d12	264	22.331	22.314	(1.000)	143285	2.00000		(a)
$ 9 Nitrobenzene-d5	82	5.867	5.856	(0.822)	25490	0.52059	8.9	
$ 10 2-Fluorobiphenyl	172	9.438	9.432	(0.876)	37061	0.55951	9.6	
$ 12 Terphenyl-d14	244	17.345	17.343	(0.890)	51760	0.95756	16	
13 Naphthalene	128	Compound Not Detected.						
15 2-Methylnaphthalene	141	Compound Not Detected.						
17 Acenaphthylene	152	Compound Not Detected.						
18 Acenaphthene	154	Compound Not Detected.						

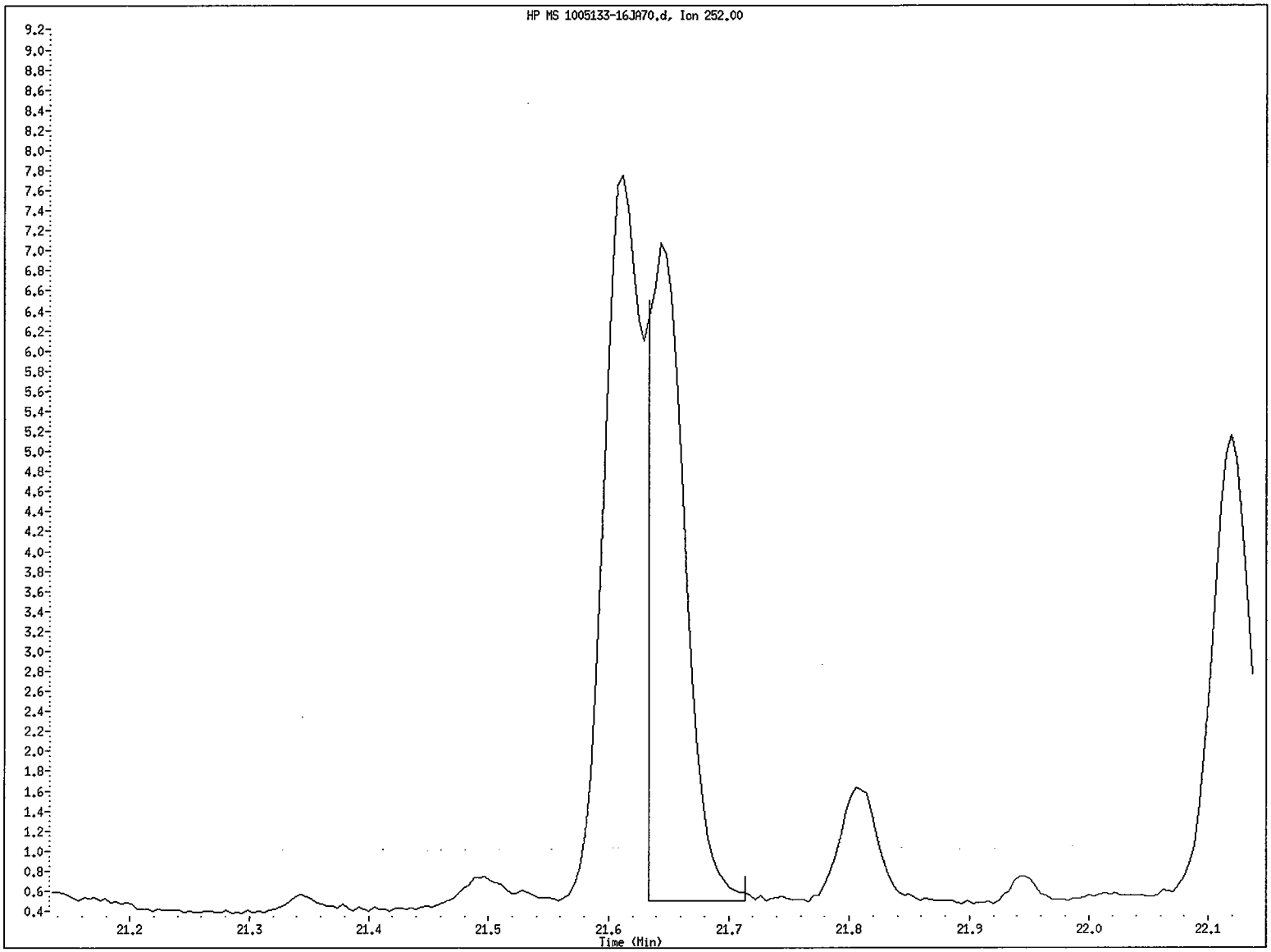
Data File: /chem/5972hp70.i/DS100701A70.b/1005133-16JA70.d
Report Date: 02-Jul-2010 13:31

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	13.898	13.890	(1.003)	12474	0.11736	2.0(a)
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	16.422	16.417	(1.185)	21956	0.21037	3.6(a)
28 Pyrene	202	16.881	16.871	(0.866)	20074	0.18292	3.1(a)
29 Benzo(a)anthracene	228	19.449	19.441	(0.998)	12634	0.15801	2.7(a)
30 Chrysene	228	19.533	19.525	(1.002)	15940	0.16746	2.9(a)
31 Benzo(b)fluoranthene	252	21.612	21.595	(0.968)	16874	0.20124	3.5(a)
32 Benzo(k)fluoranthene	252	21.643	21.635	(0.969)	13344	0.12867	2.2(aM)
33 Benzo(a)pyrene	252	22.207	22.195	(0.994)	12324	0.15560	2.7(a)
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

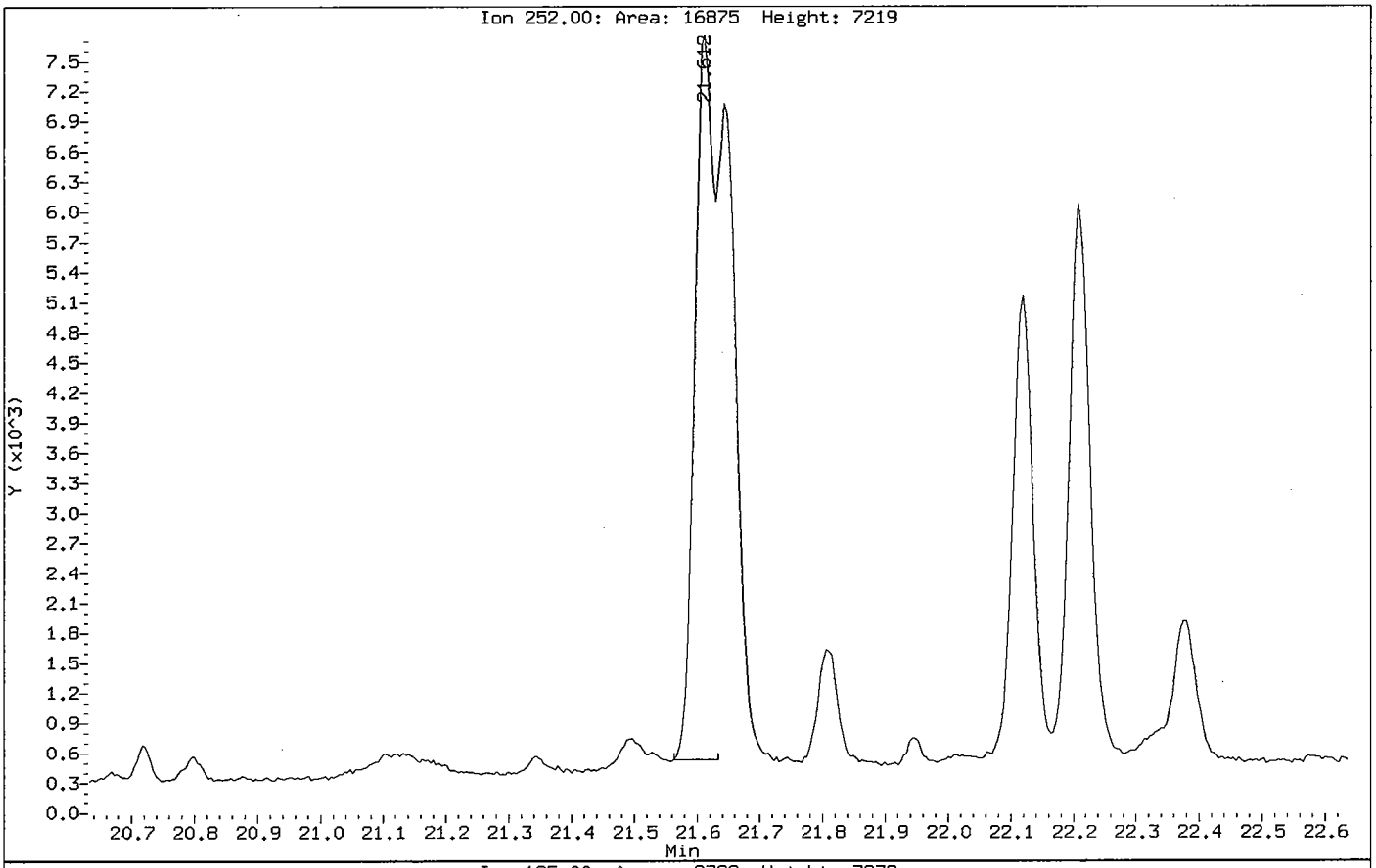
Benzo(k)fluoranthene CAS Number 207-08-9 Area = 13344 Manually integrated

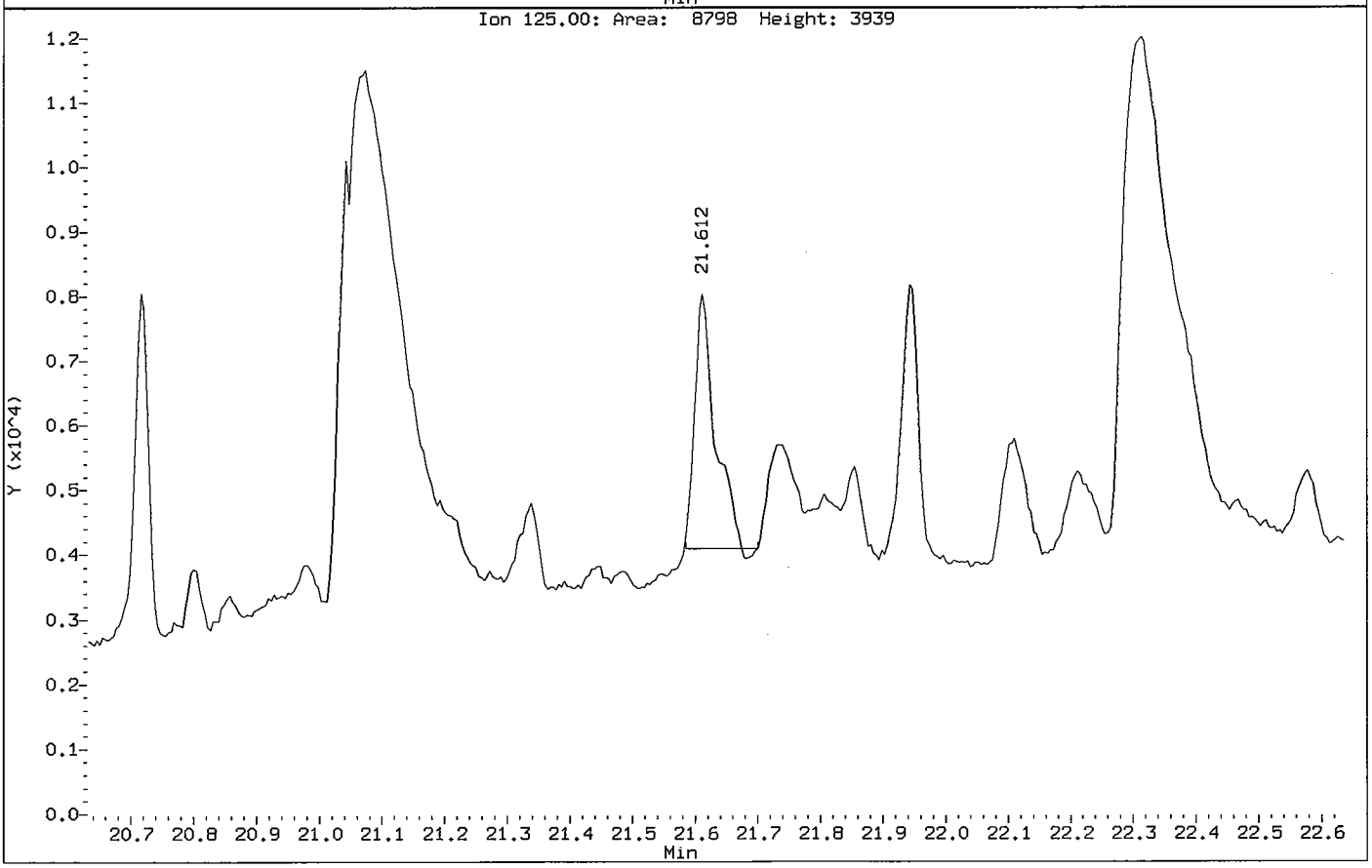


File name: /chem/5972hp70.i/DS100701A70.b/1005133-16JA70.d
Client ID: SS76-0-1
Instrument ID: 5972hp70.i
Injection Date and Time: 01-JUL-2010 17:59
Retention Time: 21.64
Operator ID: OWS

Data File: /chem/5972hp70.i/DS100701A70.b/1005133-16JA70.d
Injection Date: 01-JUL-2010 17:59
Instrument: 5972hp70.i
Client Sample ID: SS76-0-1

Compound: Benzo(k)fluoranthene
CAS Number: 207-08-9





Data File: /chem/5972hp70.i/DS100701A70.b/1005133-16JA70.d

Date : 01-JUL-2010 17:59

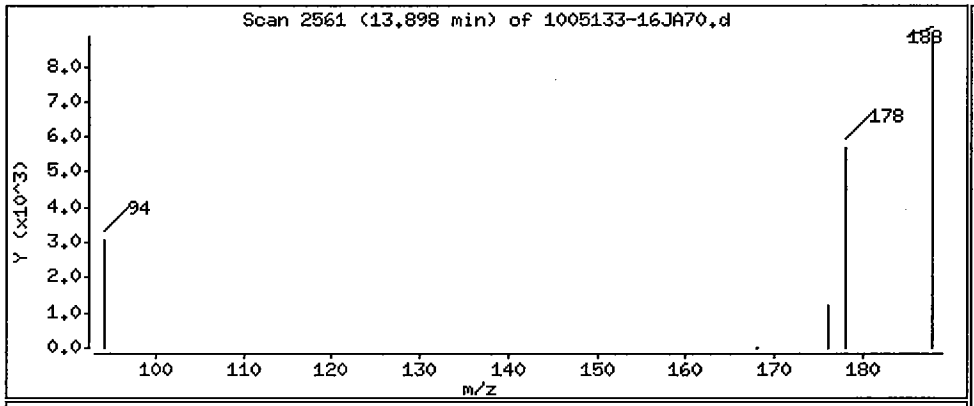
Client ID: SS76-0-1 Instrument: 5972hp70.i

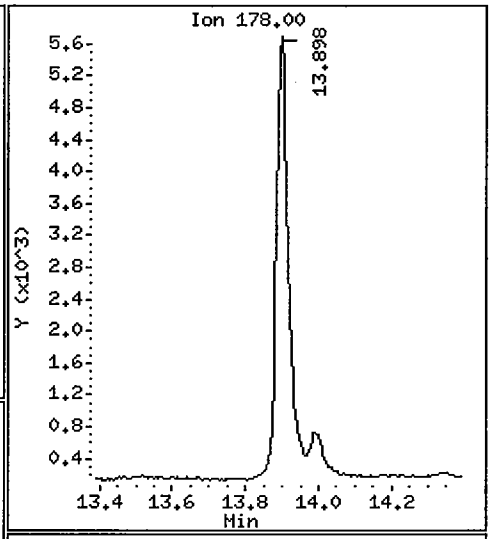
Sample Info: 1005133-16:DWS

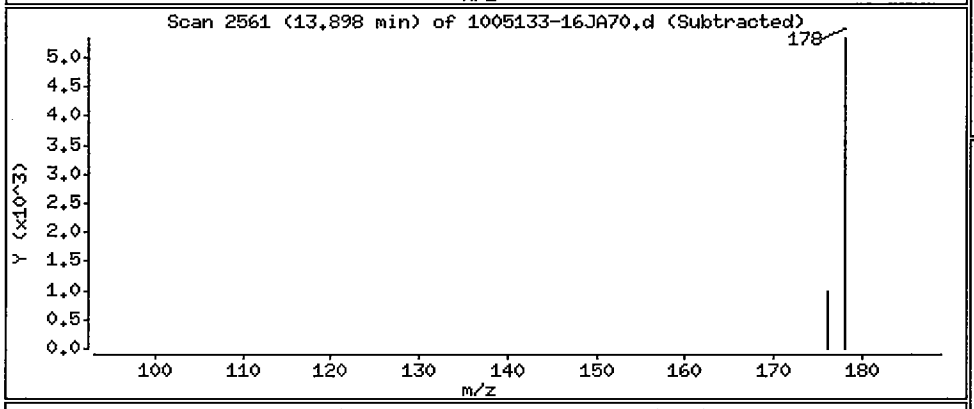
Volume Injected (uL): 2.0 Operator: DWS

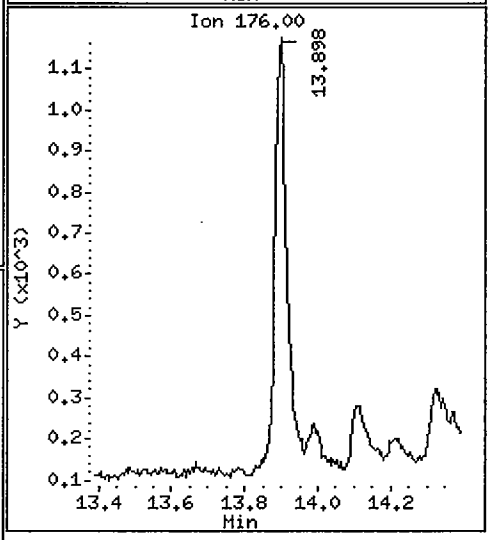
Column phase: Rtx-5MS Column diameter: 0.32

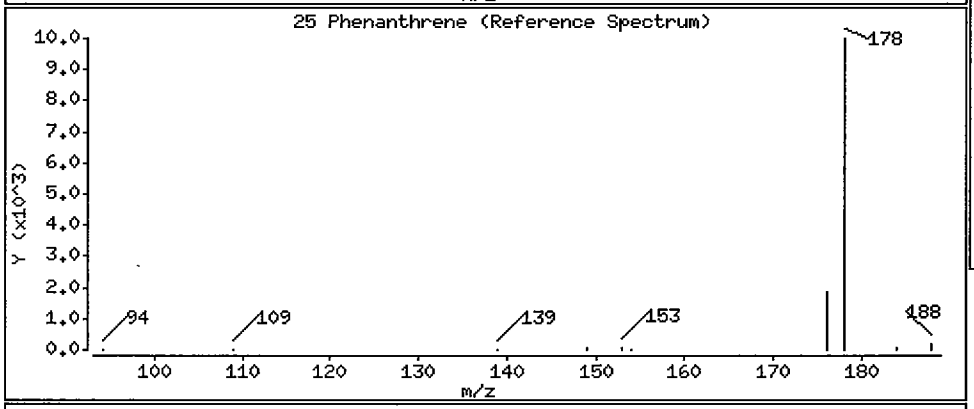
25 Phenanthrene Concentration: 2.0 ug/Kg

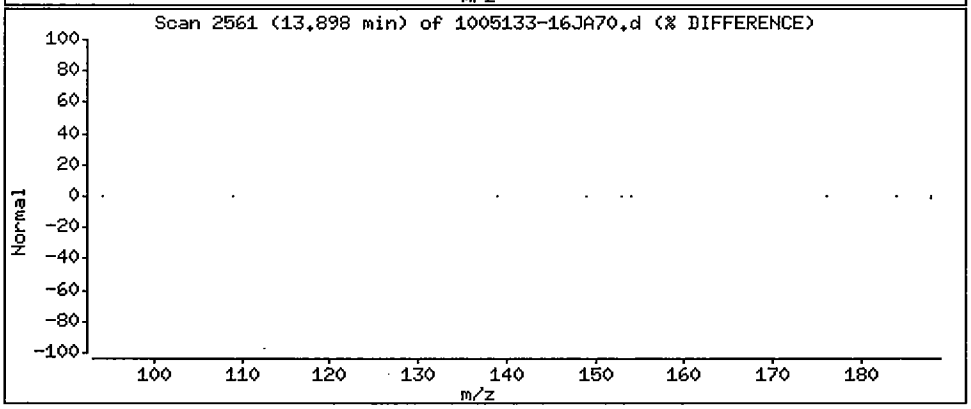












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-16JA70.d

Date : 01-JUL-2010 17:59

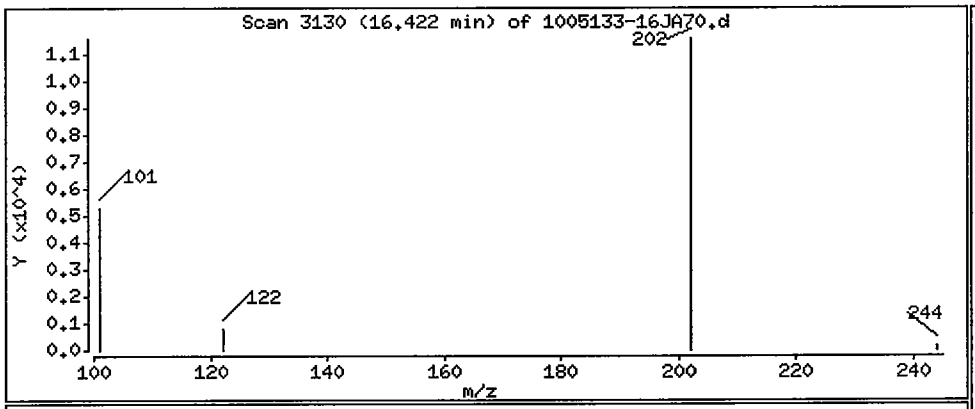
Client ID: SS76-0-1 Instrument: 5972hp70.i

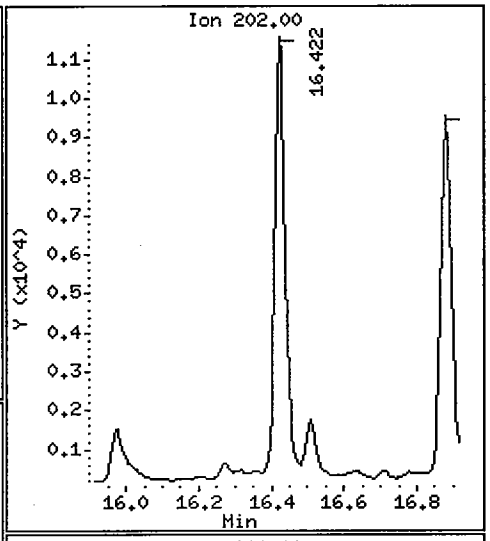
Sample Info: 1005133-16:OWS

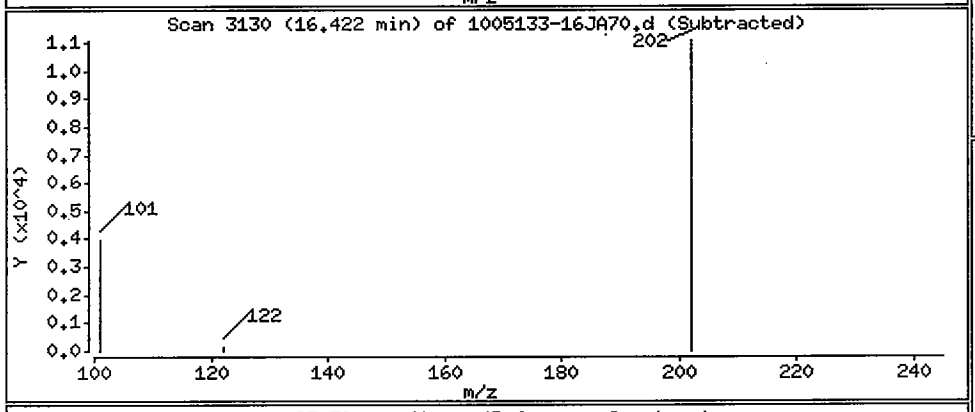
Volume Injected (uL): 2.0 Operator: OWS

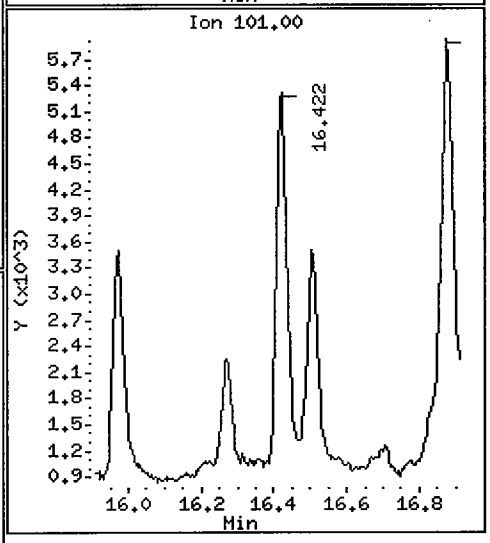
Column phase: Rtx-5MS Column diameter: 0.32

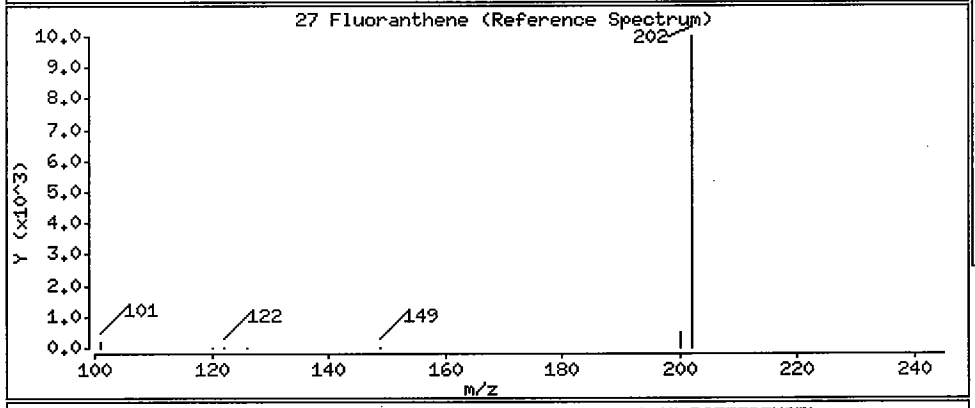
27 Fluoranthene Concentration: 3.6 ug/Kg

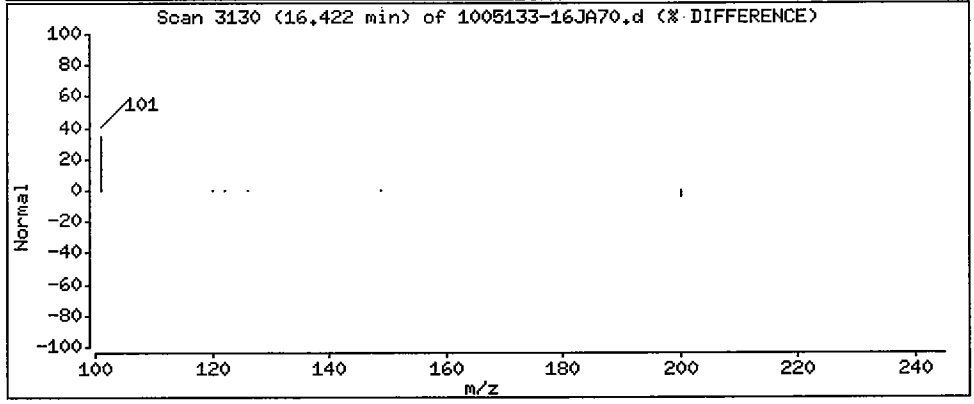












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-16JA70.d

Date : 01-JUL-2010 17:59

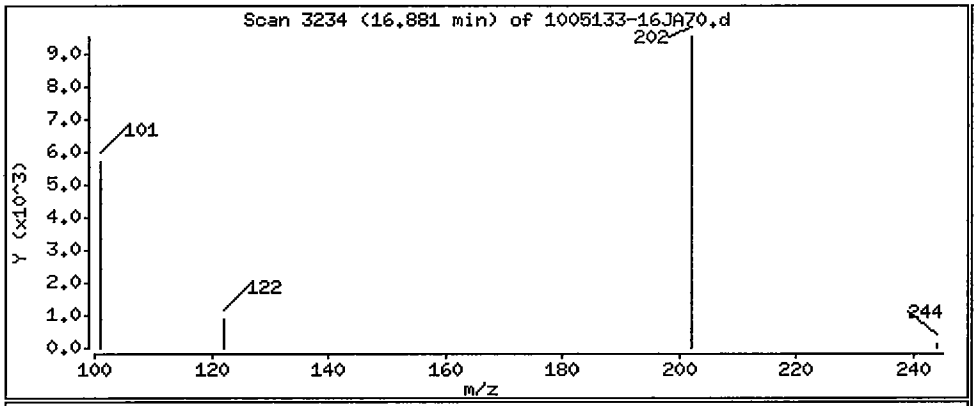
Client ID: SS76-0-1 Instrument: 5972hp70.i

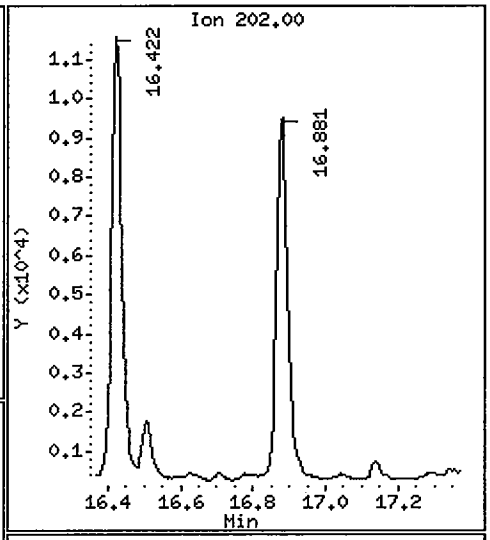
Sample Info: 1005133-16:OWS

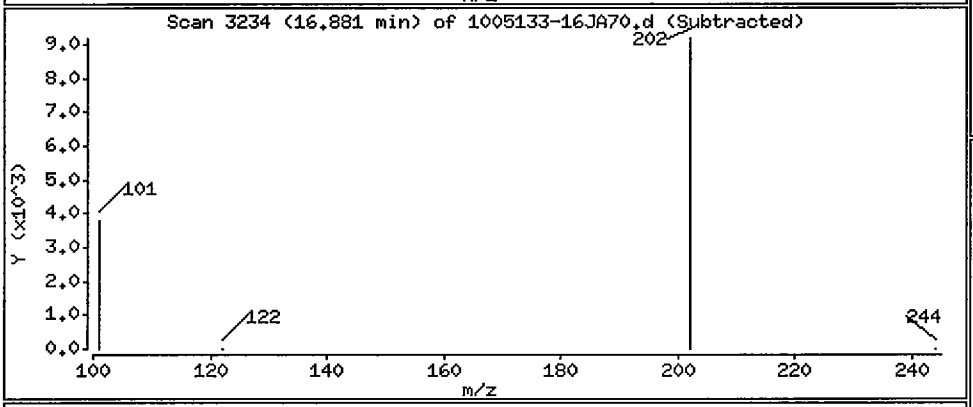
Volume Injected (uL): 2.0 Operator: OWS

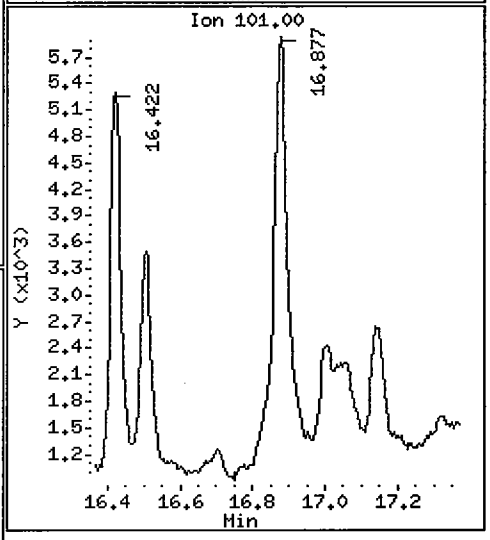
Column phase: Rtx-5MS Column diameter: 0.32

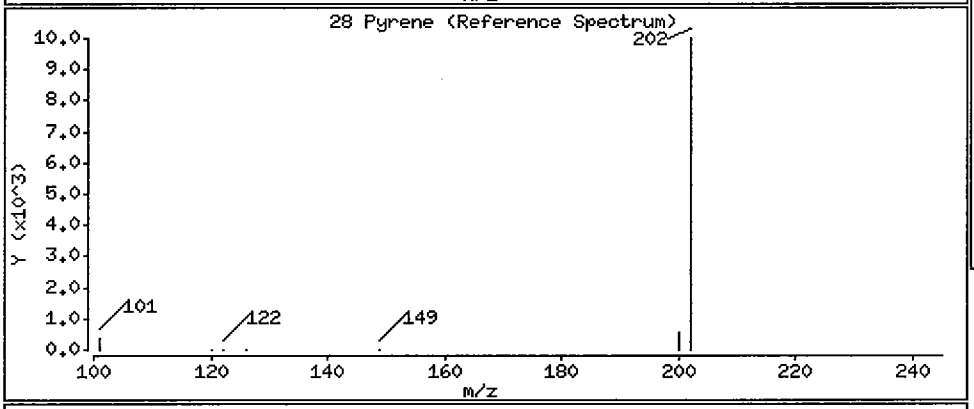
28 Pyrene Concentration: 3.1 ug/Kg

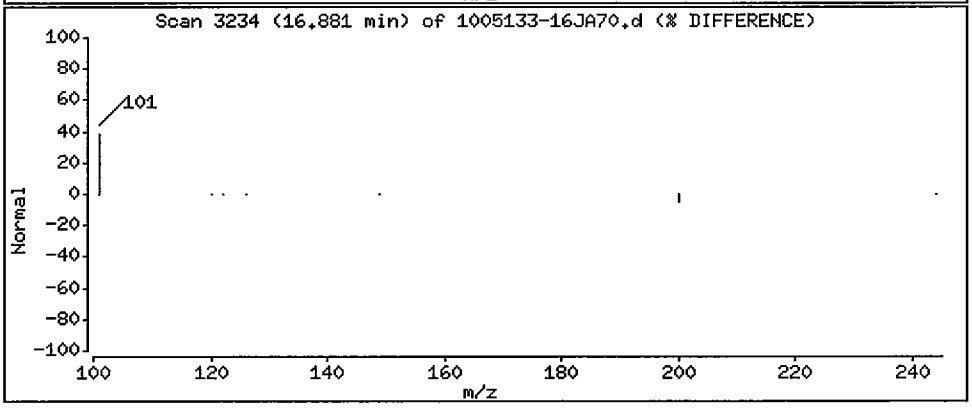












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-16JA70.d

Date : 01-JUL-2010 17:59

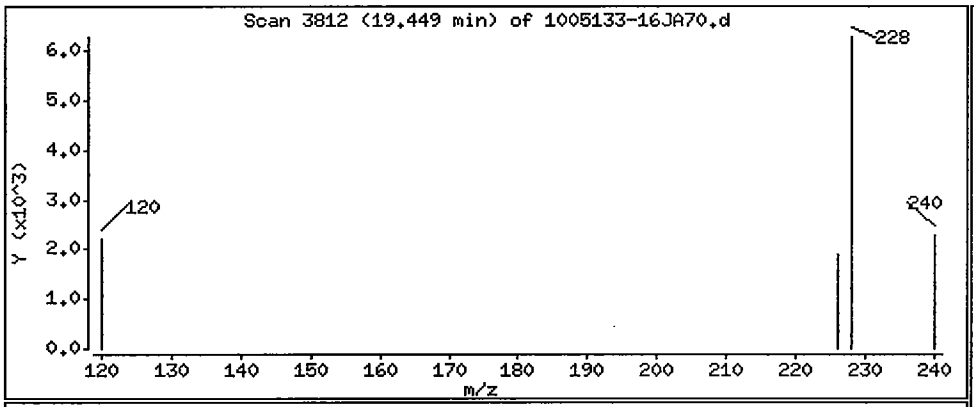
Client ID: SS76-0-1 Instrument: 5972hp70.i

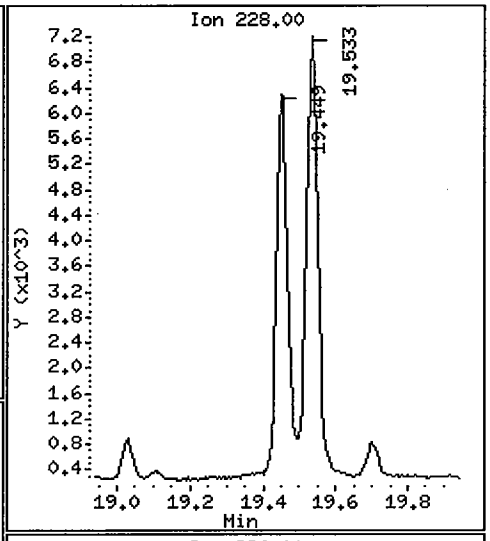
Sample Info: 1005133-16:OWS

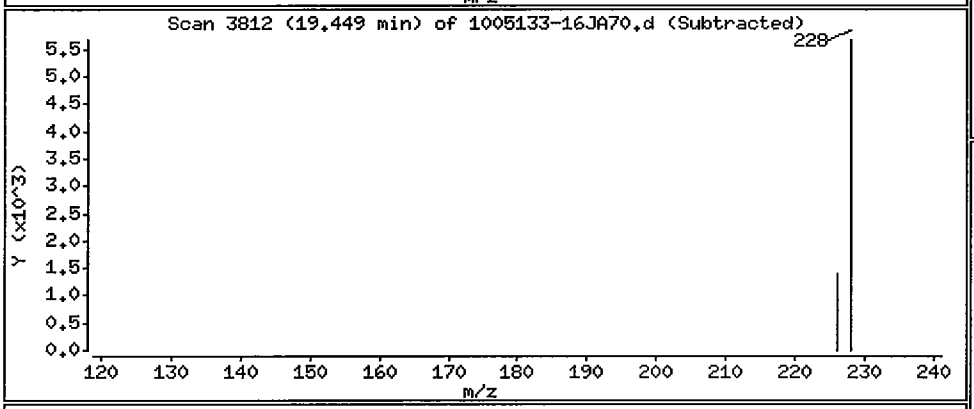
Volume Injected (uL): 2.0 Operator: OWS

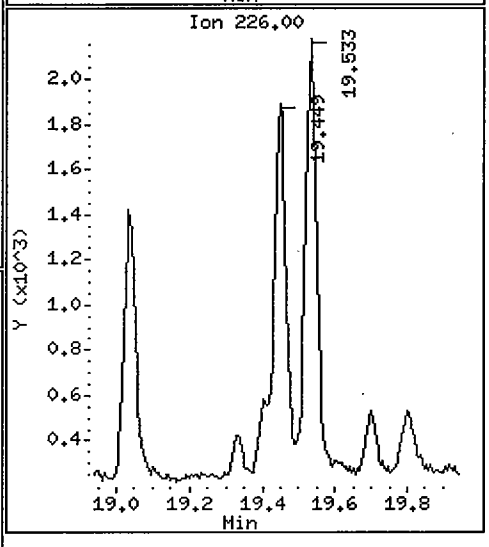
Column phase: Rtx-5MS Column diameter: 0.32

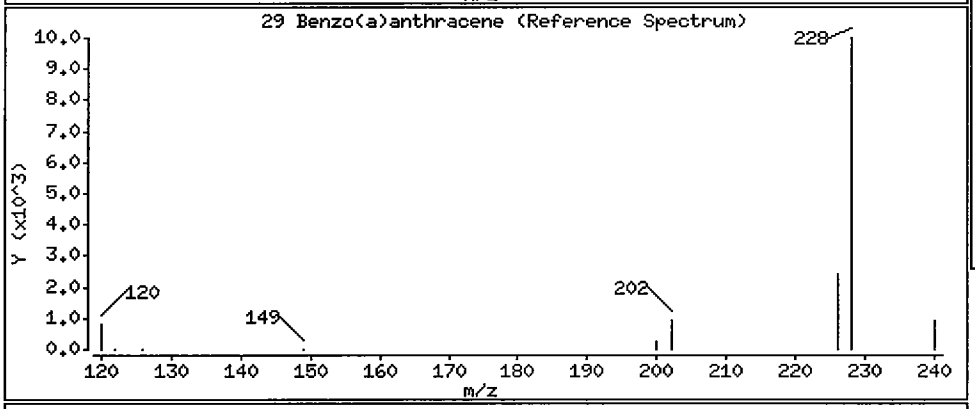
29 Benzo(a)anthracene Concentration: 2.7 ug/Kg

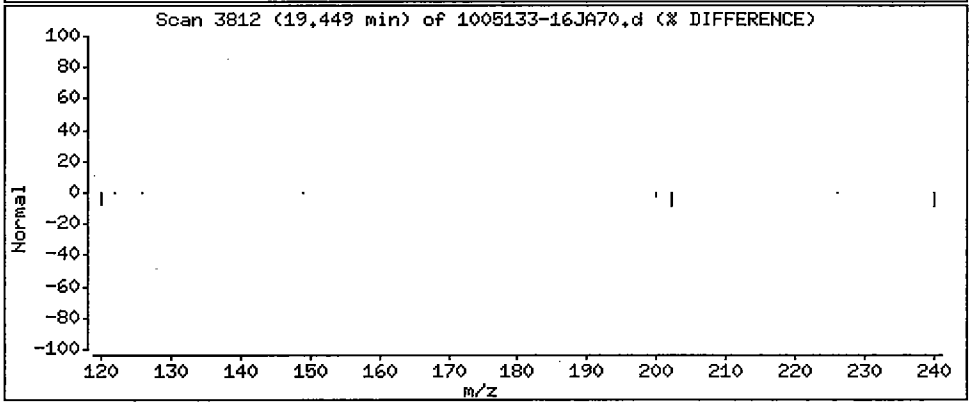












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-16JA70.d

Date : 01-JUL-2010 17:59

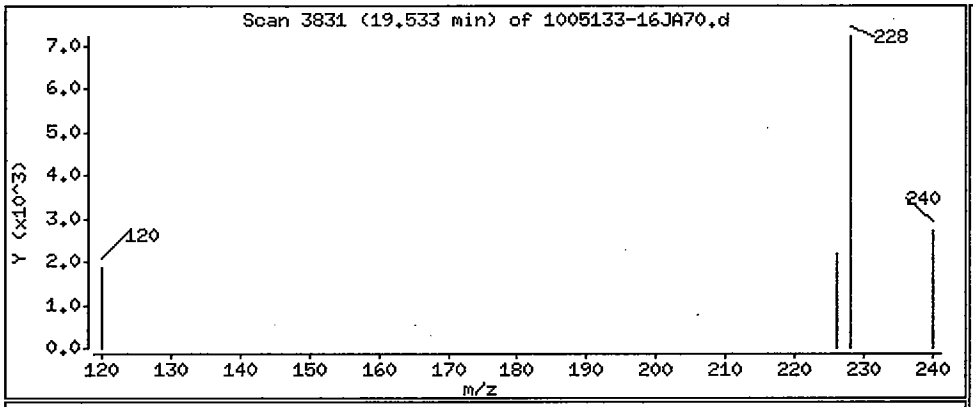
Client ID: SS76-0-1 Instrument: 5972hp70.i

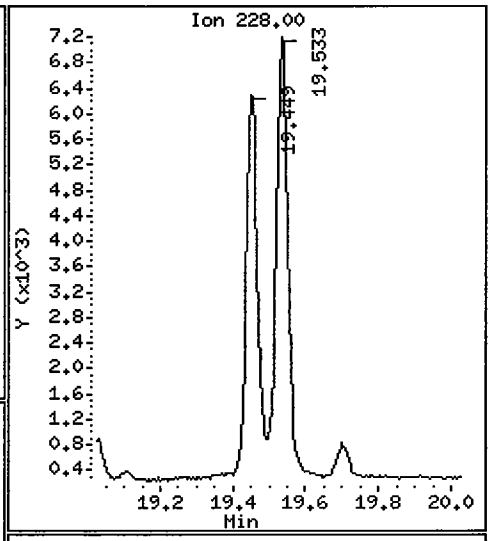
Sample Info: 1005133-16:OWS

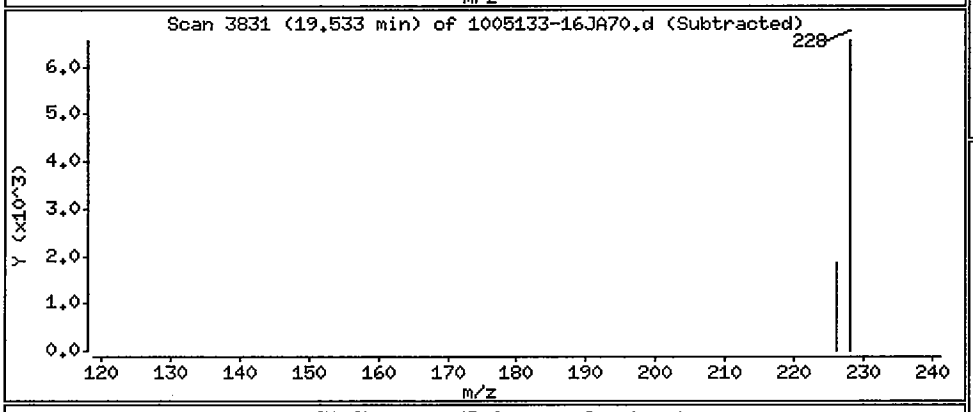
Volume Injected (uL): 2.0 Operator: OWS

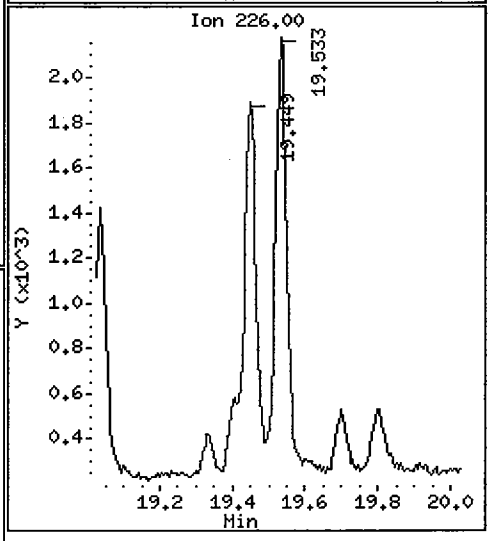
Column phase: Rtx-5MS Column diameter: 0.32

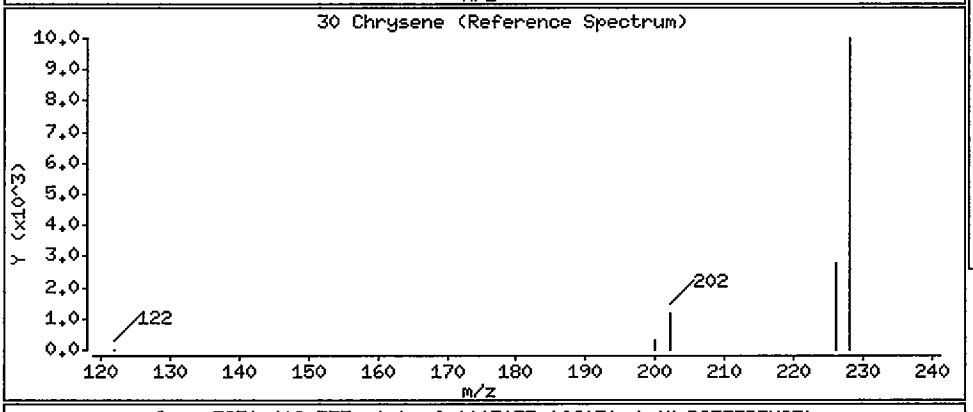
30 Chrysene Concentration: 2.9 ug/Kg

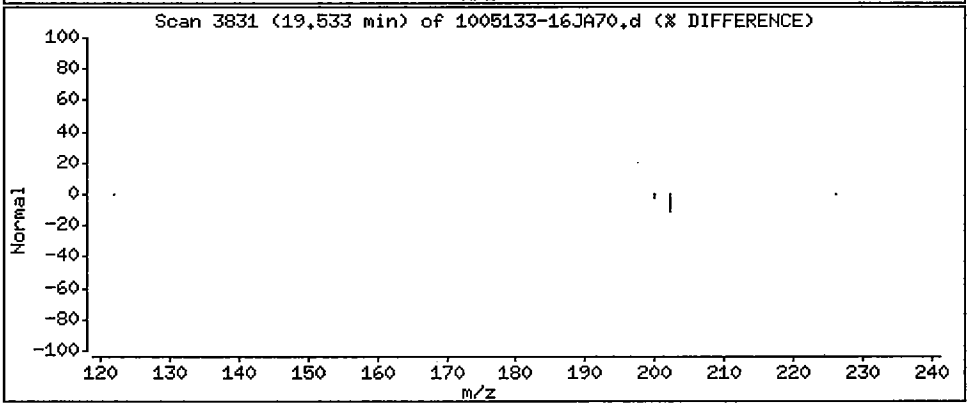












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-16JA70.d

Date : 01-JUL-2010 17:59

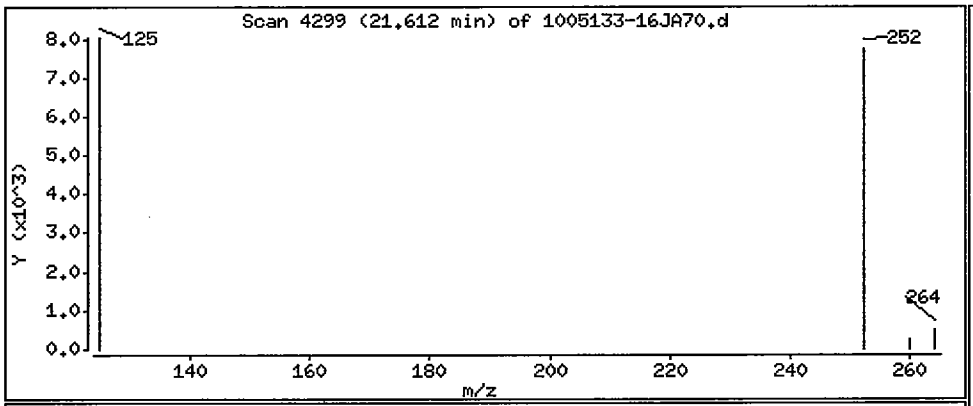
Client ID: SS76-0-1 Instrument: 5972hp70.i

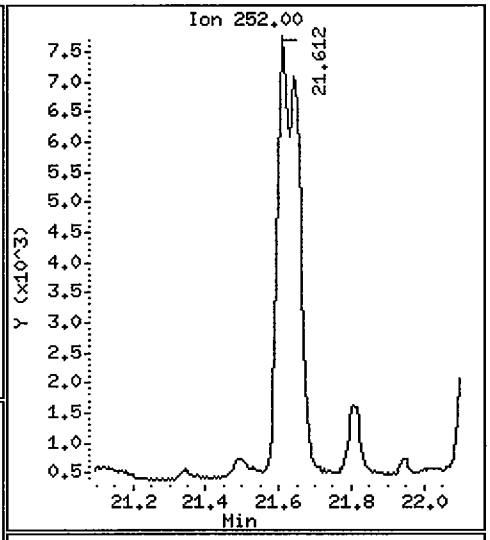
Sample Info: 1005133-16:OWS

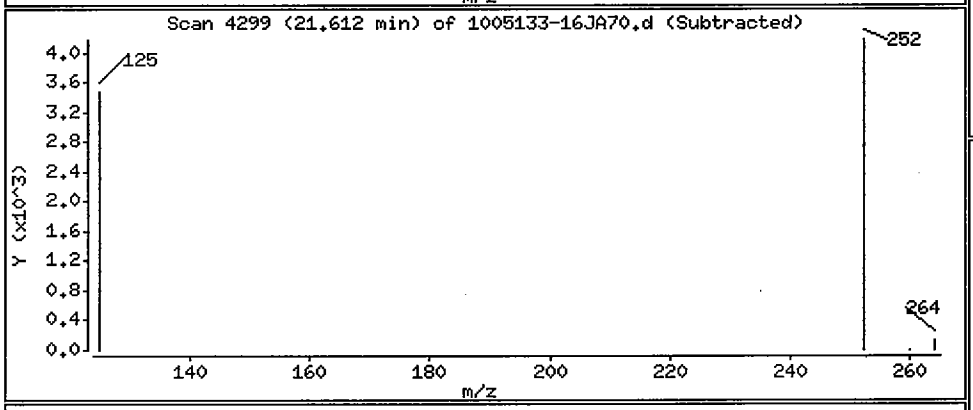
Volume Injected (uL): 2.0 Operator: OWS

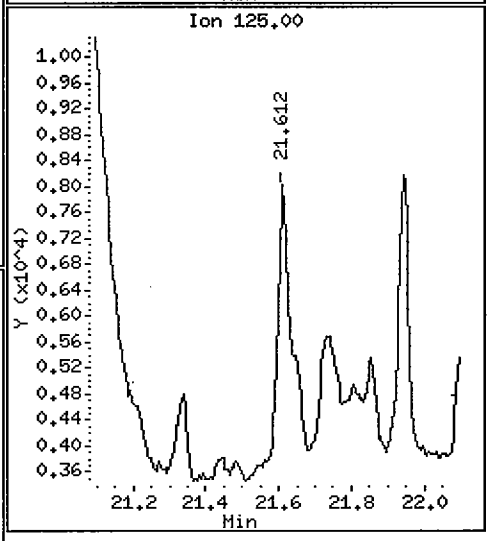
Column phase: Rtx-5MS Column diameter: 0.32

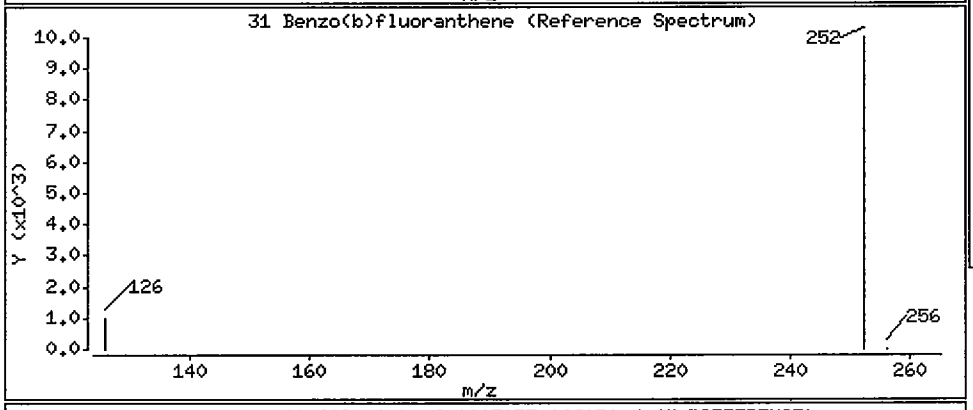
31 Benzo(b)fluoranthene Concentration: 3.5 ug/Kg

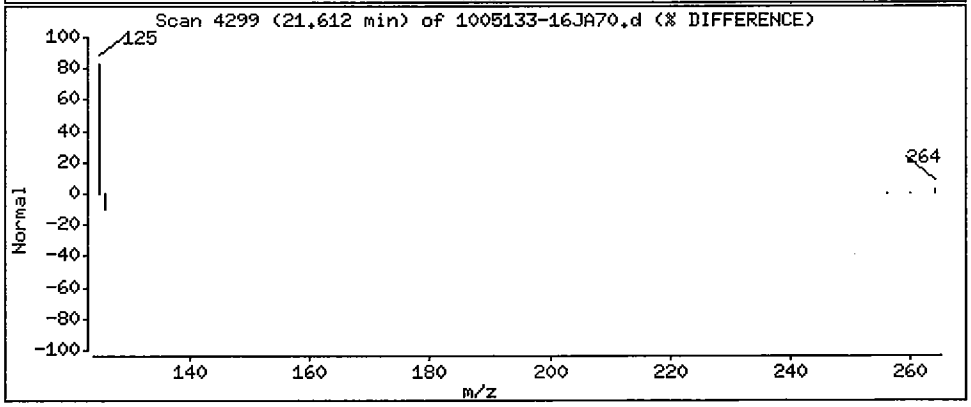












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-16JA70.d

Date : 01-JUL-2010 17:59

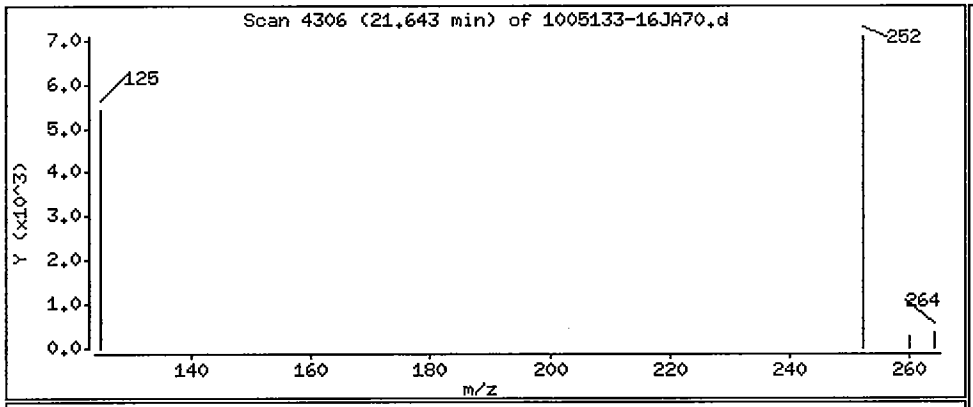
Client ID: SS76-0-1 Instrument: 5972hp70.i

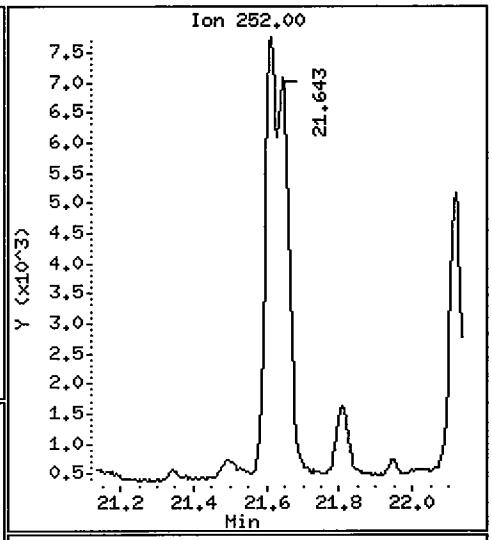
Sample Info: 1005133-16:OWS

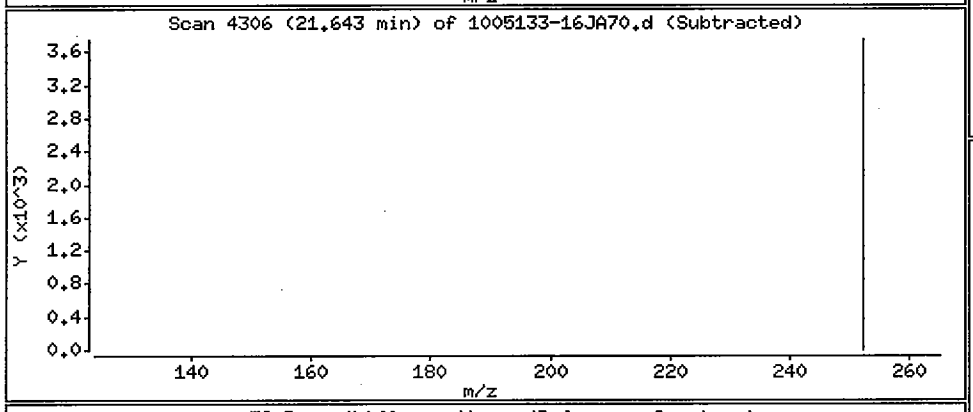
Volume Injected (uL): 2.0 Operator: OWS

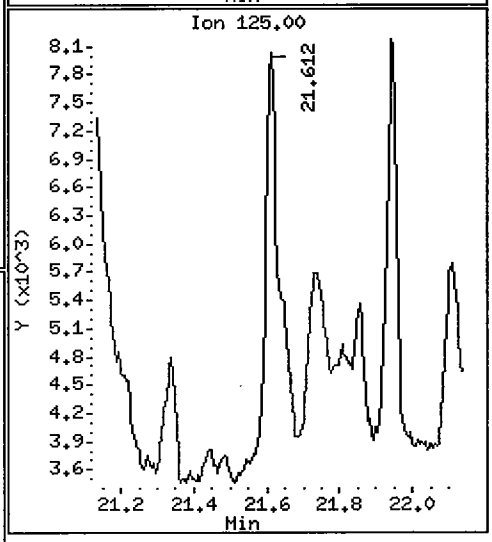
Column phase: Rtx-5MS Column diameter: 0.32

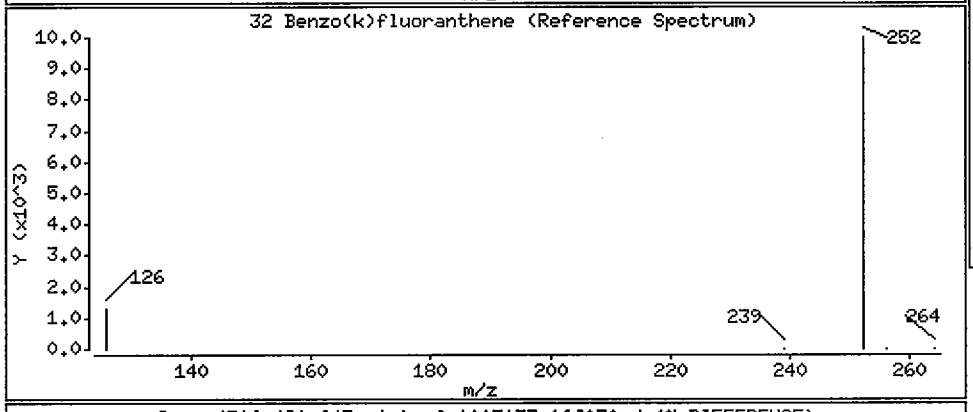
32 Benzo(k)fluoranthene Concentration: 2.2 ug/Kg

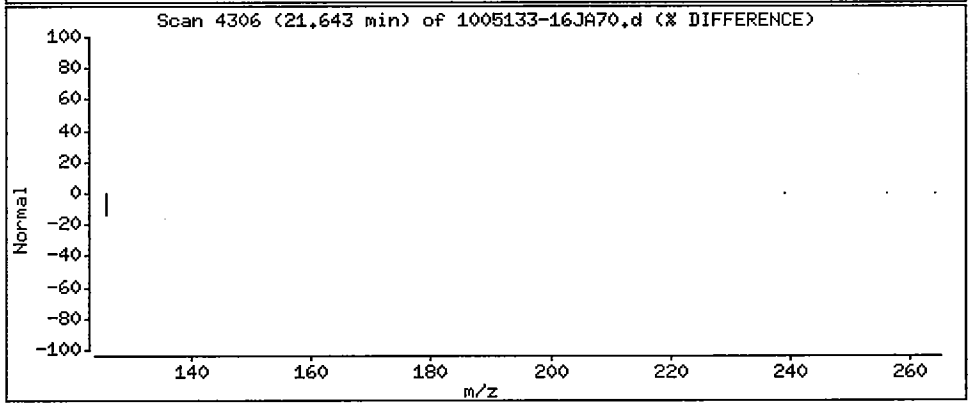












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-16JA70.d

Date : 01-JUL-2010 17:59

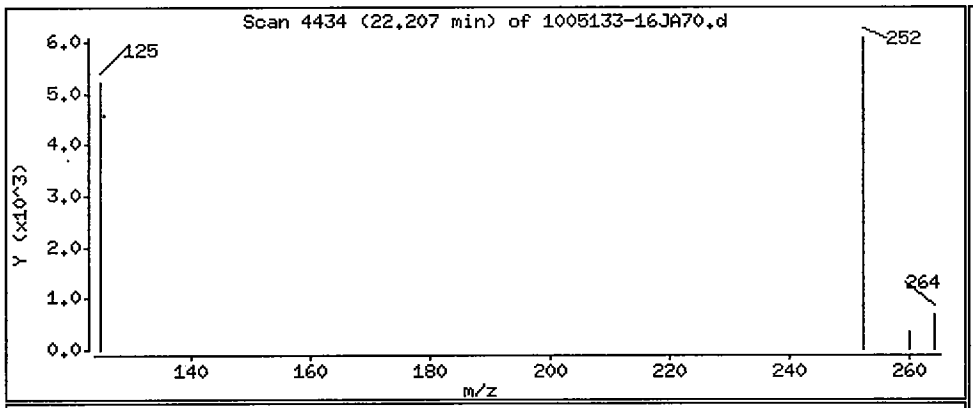
Client ID: SS76-0-1 Instrument: 5972hp70.i

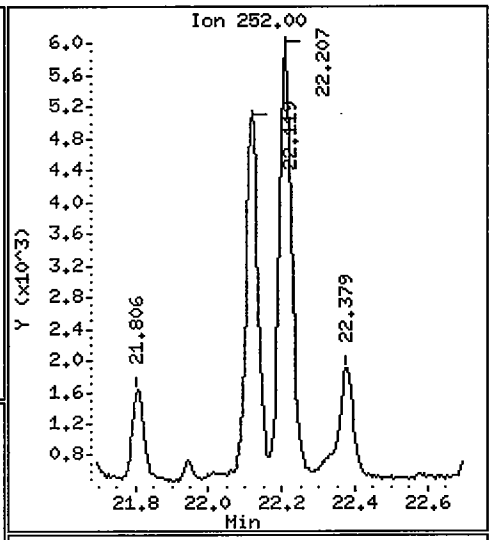
Sample Info: 1005133-16:OWS

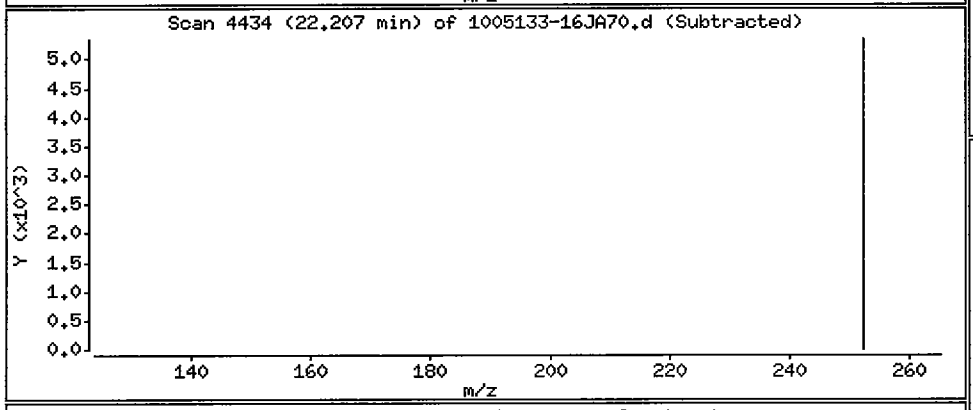
Volume Injected (uL): 2.0 Operator: OWS

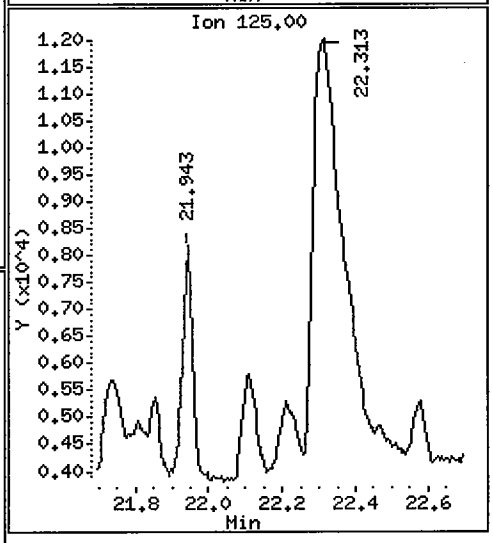
Column phase: Rtx-5MS Column diameter: 0.32

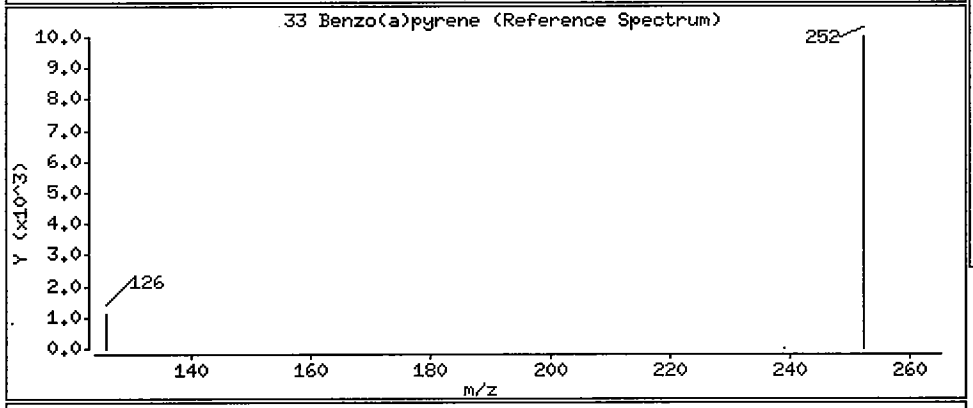
33 Benzo(a)pyrene Concentration: 2.7 ug/Kg

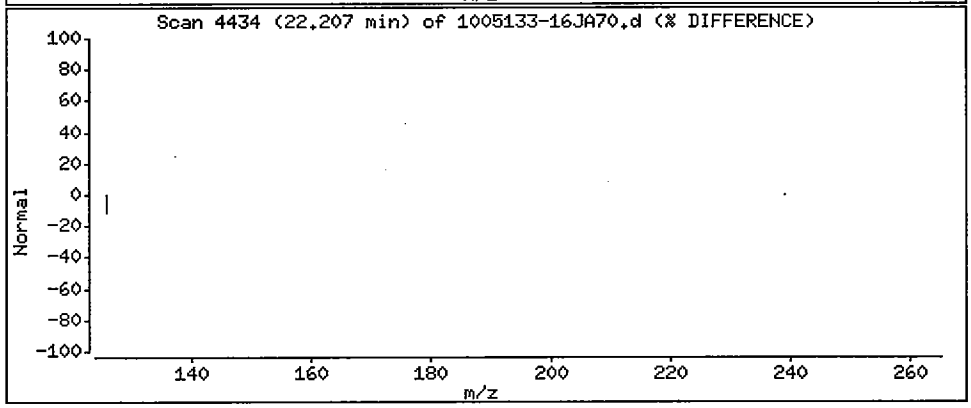












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SS87-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/19/10

Lab Sample ID: 1005133-18
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005133-18JA70
Analyst: OWS

% Moisture: 21 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK2

Date Extracted: 05/24/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

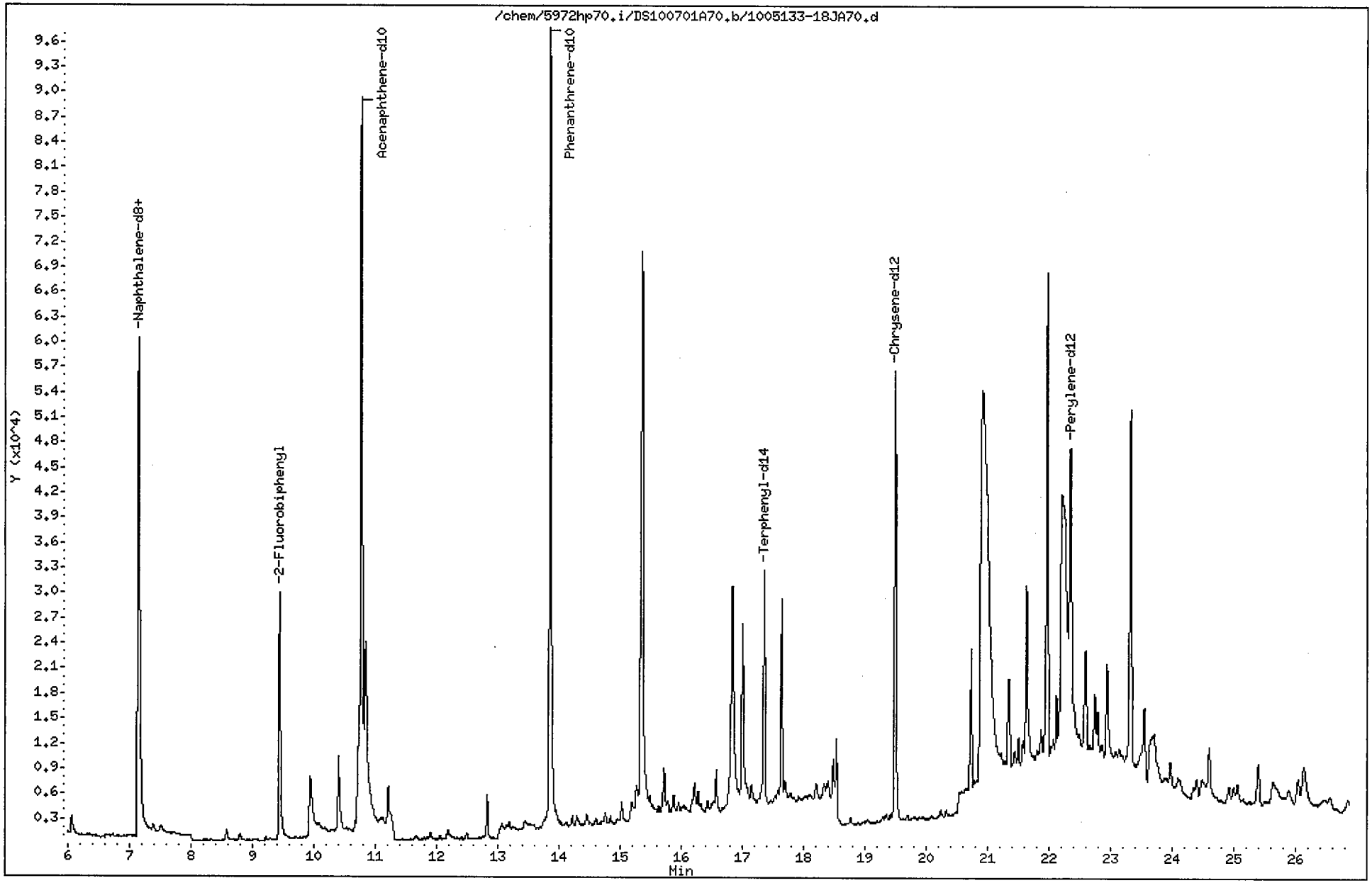
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.91	11	1.2	J
91-57-6	2-Methylnaphthalene	0.86	11	ND	U
208-96-8	Acenaphthylene	0.68	11	ND	U
83-32-9	Acenaphthene	0.76	11	ND	U
86-73-7	Fluorene	0.57	11	ND	U
85-01-8	Phenanthrene	1.7	11	ND	U
120-12-7	Anthracene	0.55	11	ND	U
206-44-0	Fluoranthene	1.7	11	ND	U
129-00-0	Pyrene	0.72	11	0.76	J
56-55-3	Benzo(a)anthracene	0.72	11	ND	U
218-01-9	Chrysene	0.80	11	ND	U
205-99-2	Benzo(b)fluoranthene	0.72	11	0.79	J
207-08-9	Benzo(k)fluoranthene	0.55	11	ND	U
50-32-8	Benzo(a)pyrene	0.49	11	0.51	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.46	11	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.42	11	ND	U
191-24-2	Benzo(g,h,i)perylene	0.49	11	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100701A70.b/1005133-18JA70.d
Date : 01-JUL-2010 19:09
Client ID: SS87-0-1
Sample Info: 1005133-18:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701A70.b/1005133-18JA70.d
Report Date: 02-Jul-2010 13:31

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701A70.b/1005133-18JA70.d
Lab Smp Id: 1005133-18 Client Smp ID: SS87-0-1
Inj Date : 01-JUL-2010 19:09
Operator : OWS Inst ID: 5972hp70.i
Smp Info : 1005133-18:OWS
Misc Info : SS87-0-1
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701A70.b/SIM_8270Cv3DOD.m
Meth Date : 02-Jul-2010 13:19 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	21.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
* 1 1,4-Dichlorobenzene-d4	152	4.840	4.820	(1.000)	33410	2.00000		(a)
* 2 Naphthalene-d8	136	7.145	7.130	(1.000)	128384	2.00000		(a)
* 3 Acenaphthene-d10	164	10.769	10.763	(1.000)	77997	2.00000		(aM)
* 4 Phenanthrene-d10	188	13.850	13.846	(1.000)	144357	2.00000		(a)
* 5 Chrysene-d12	240	19.489	19.476	(1.000)	80594	2.00000		(a)
* 6 Perylene-d12	264	22.340	22.314	(1.000)	59695	2.00000		(a)
$ 9 Nitrobenzene-d5	82	5.868	5.856	(0.821)	29446	0.70876	15	
$ 10 2-Fluorobiphenyl	172	9.436	9.432	(0.876)	42975	0.79947	17	(M)
$ 12 Terphenyl-d14	244	17.348	17.343	(0.890)	35289	1.23010	26	
13 Naphthalene	128	7.176	7.161	(1.004)	4509	0.05500	1.2	(a)
15 2-Methylnaphthalene	141	Compound Not Detected.						
17 Acenaphthylene	152	Compound Not Detected.						
18 Acenaphthene	154	Compound Not Detected.						

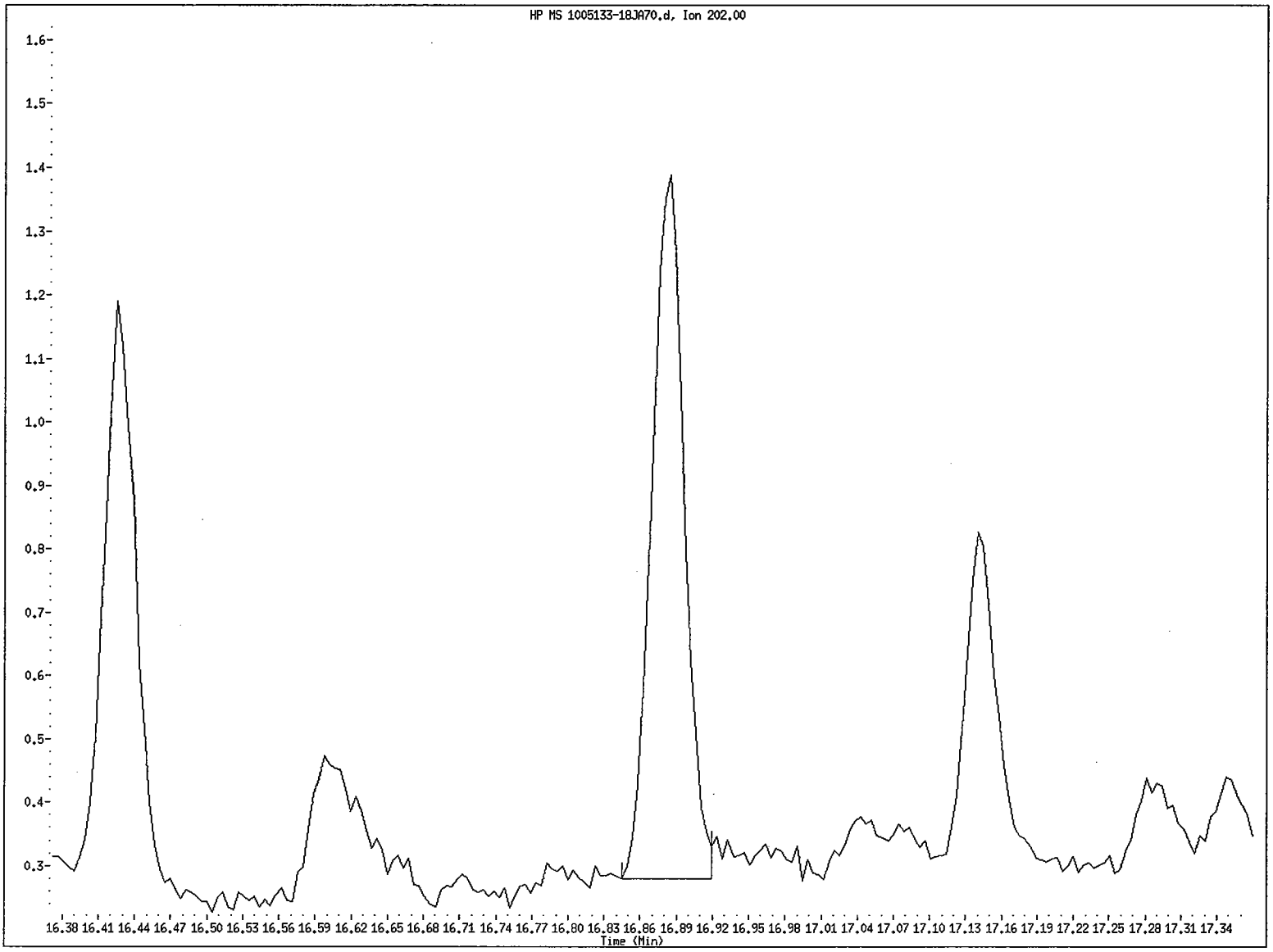
Data File: /chem/5972hp70.i/DS100701A70.b/1005133-18JA70.d
Report Date: 02-Jul-2010 13:31

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	16.884	16.871	(0.866)	2109	0.03621	0.76(aM)
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	21.617	21.595	(0.968)	1310	0.03750	0.79(aM)
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	22.120	22.195	(0.990)	802	0.02431	0.51(aM)
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

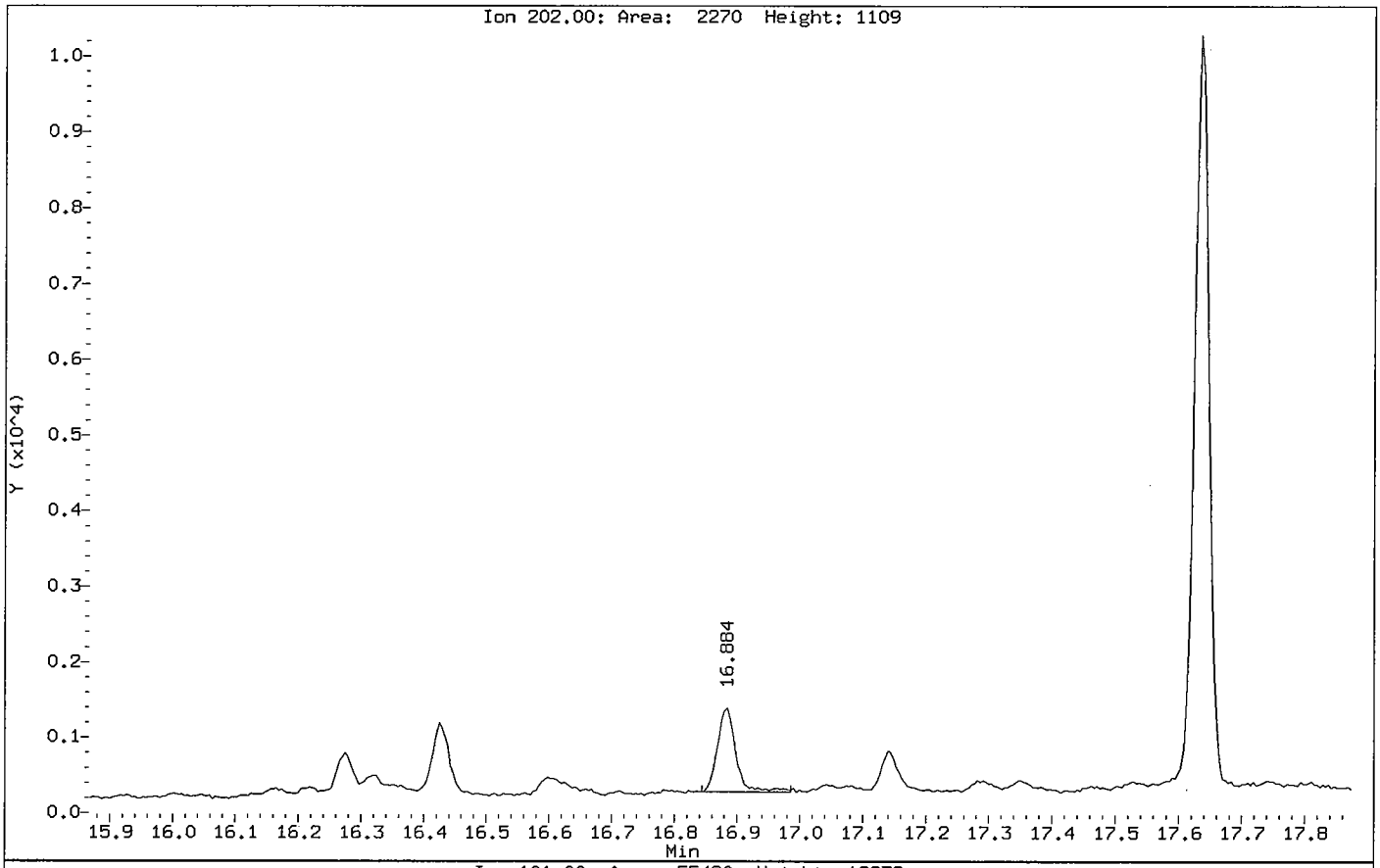
Pyrene CAS Number 129-00-0 Area = 2109 Manually integrated

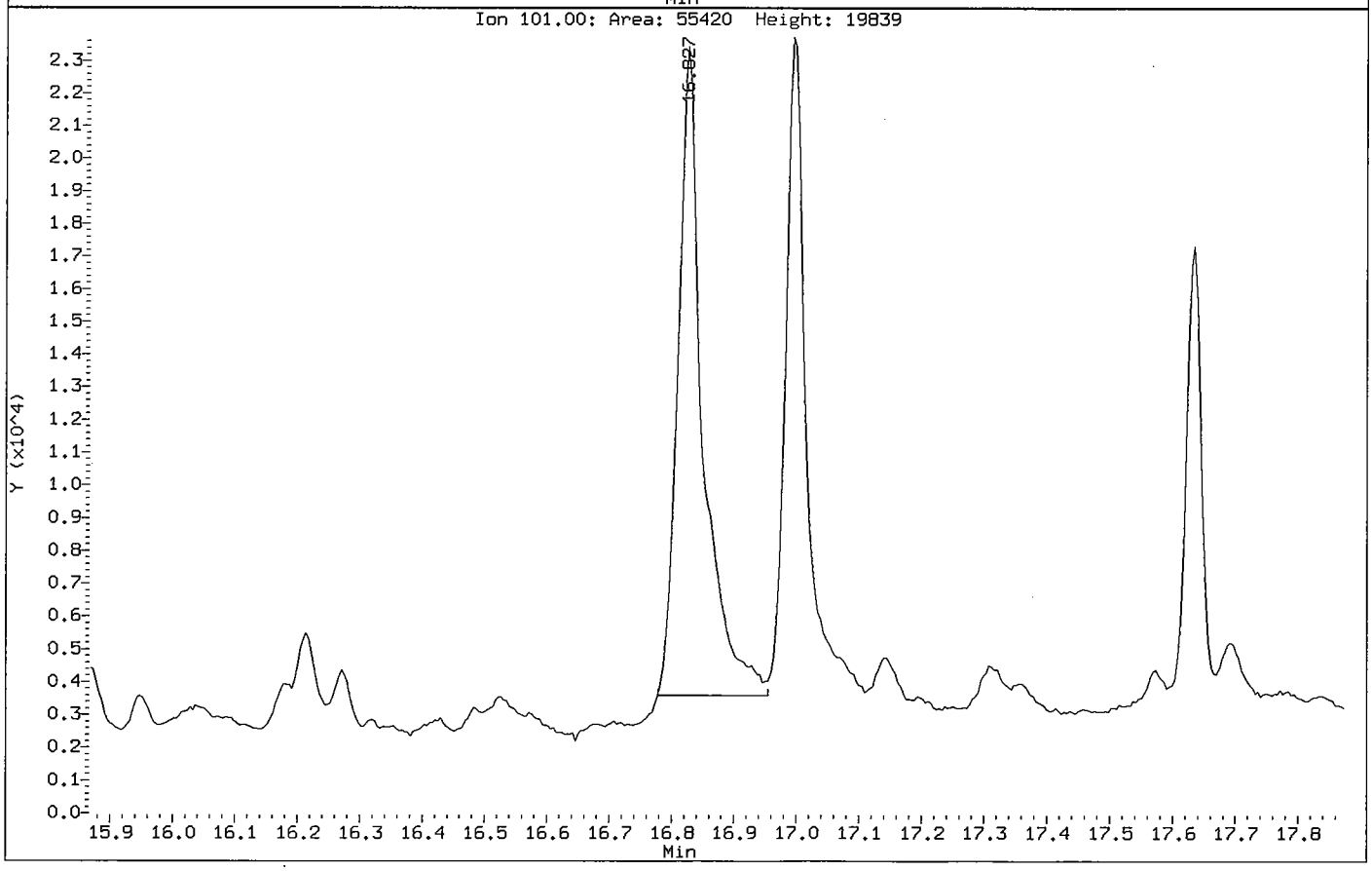


File name: /chem/5972hp70.i/DS100701A70.b/1005133-18JA70.d
Client ID: SS87-0-1
Instrument ID: 5972hp70.i
Injection Date and Time: 01-JUL-2010 19:09
Retention Time: 16.88
Operator ID: OWS

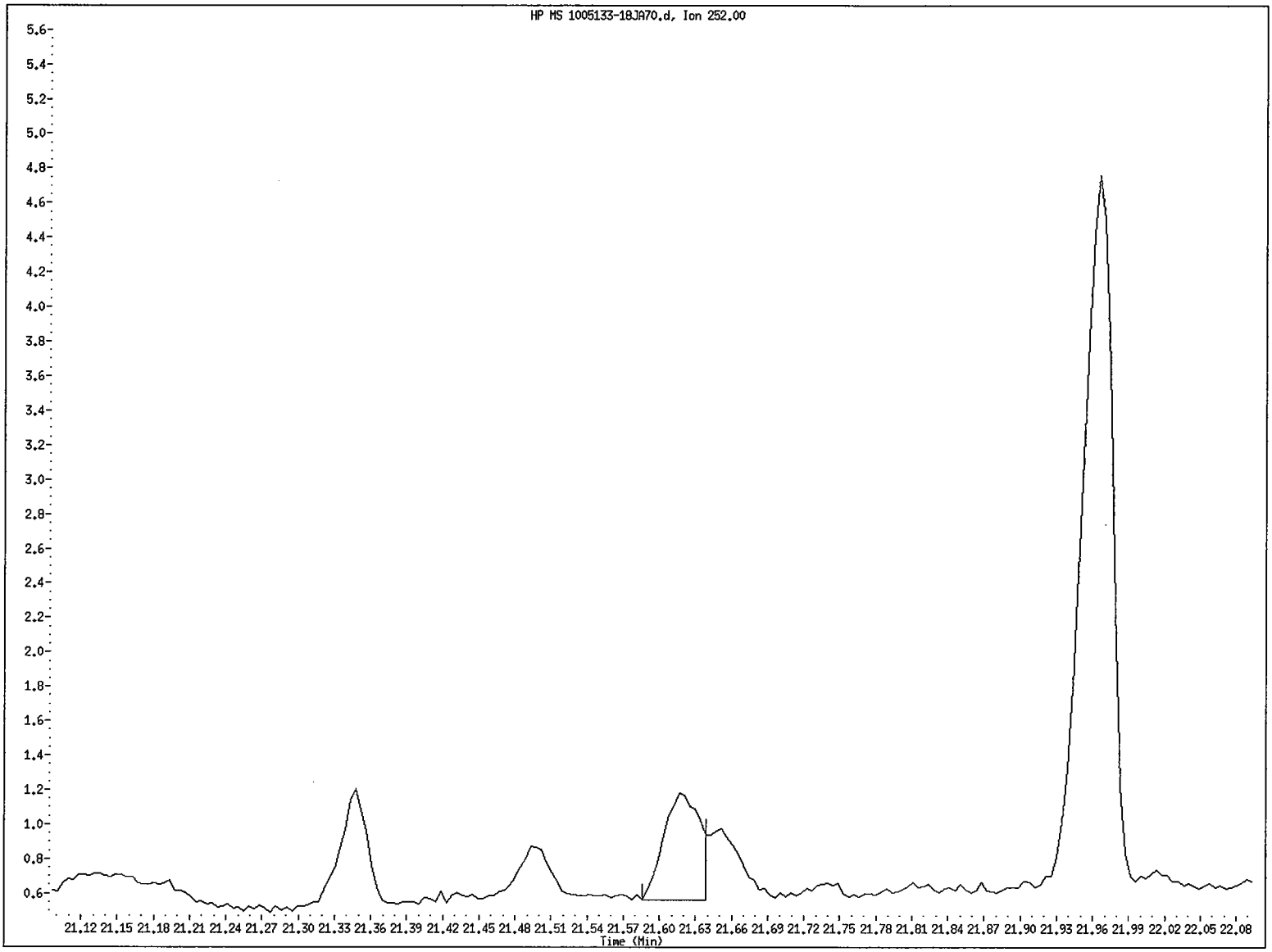
Data File: /chem/5972hp70.i/DS100701A70.b/1005133-18JA70.d
Injection Date: 01-JUL-2010 19:09
Instrument: 5972hp70.i
Client Sample ID: SS87-0-1

Compound: Pyrene
CAS Number: 129-00-0





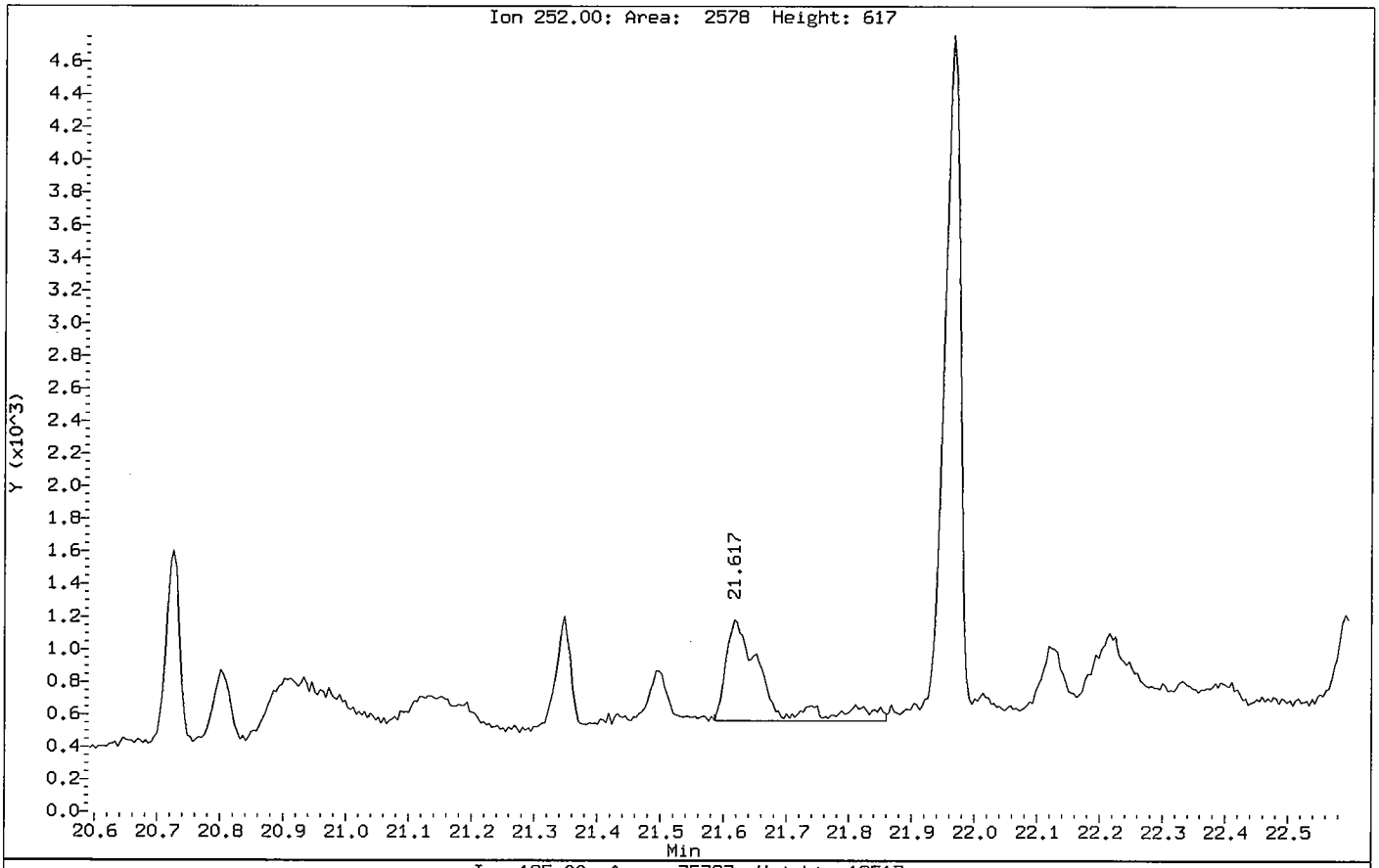
Benzo(b)fluoranthene CAS Number 205-99-2 Area = 1310 Manually integrated

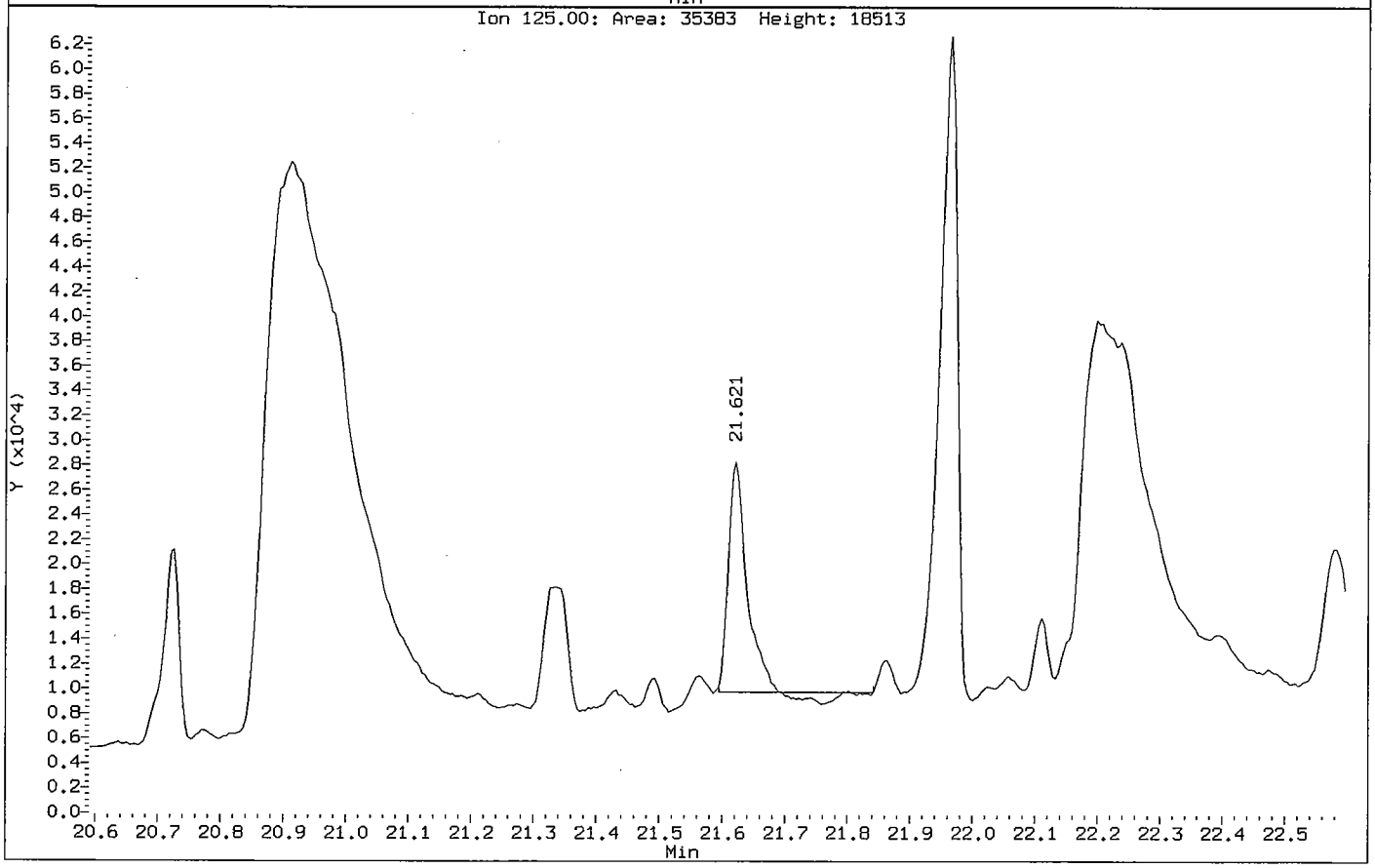


File name: /chem/5972hp70.i/DS100701A70.b/1005133-18JA70.d
Client ID: SS87-0-1
Instrument ID: 5972hp70.i
Injection Date and Time: 01-JUL-2010 19:09
Retention Time: 21.62
Operator ID: OWS

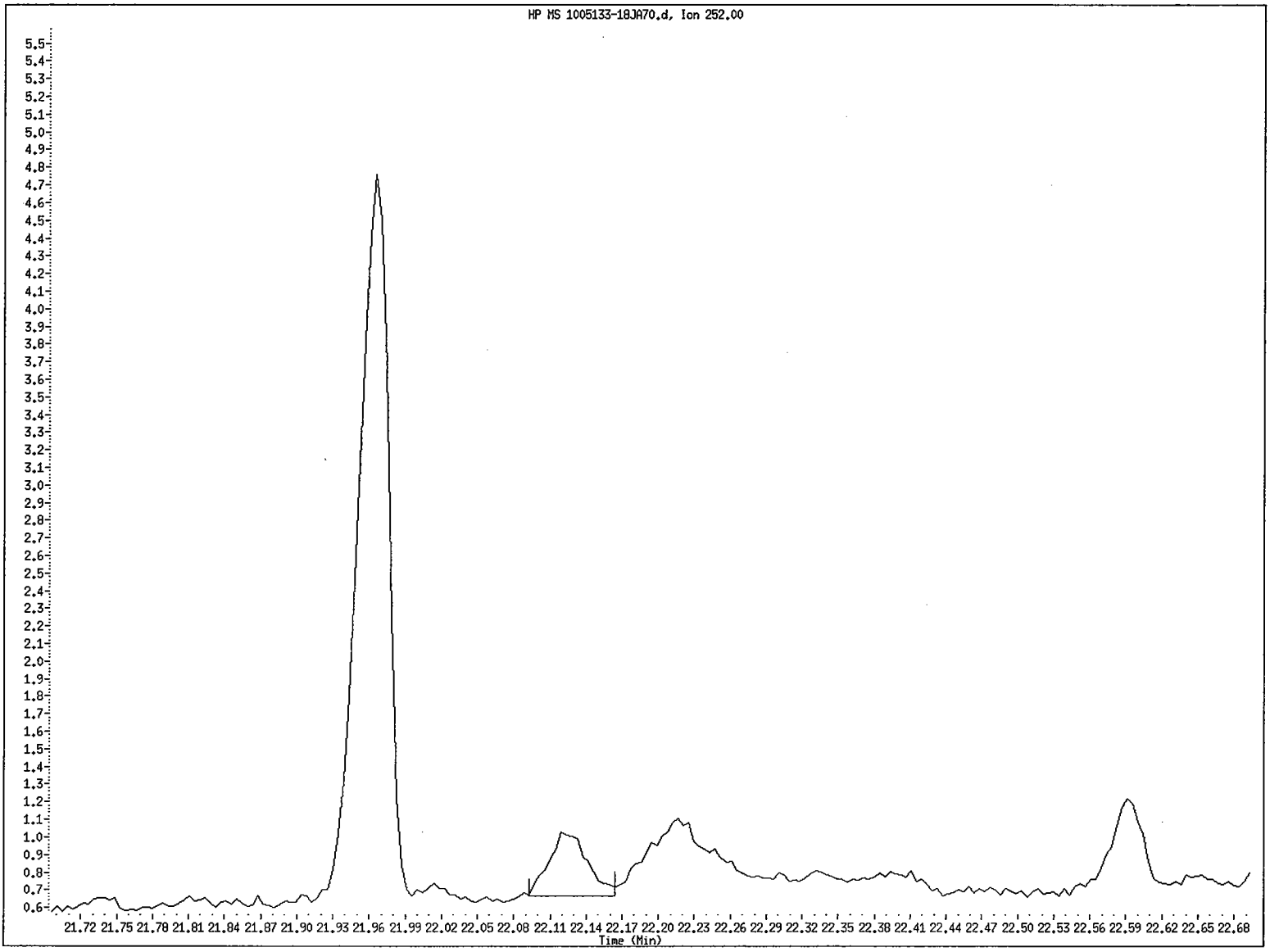
Data File: /chem/5972hp70.i/DS100701A70.b/1005133-18JA70.d
Injection Date: 01-JUL-2010 19:09
Instrument: 5972hp70.i
Client Sample ID: SS87-0-1

Compound: Benzo(b)fluoranthene
CAS Number: 205-99-2





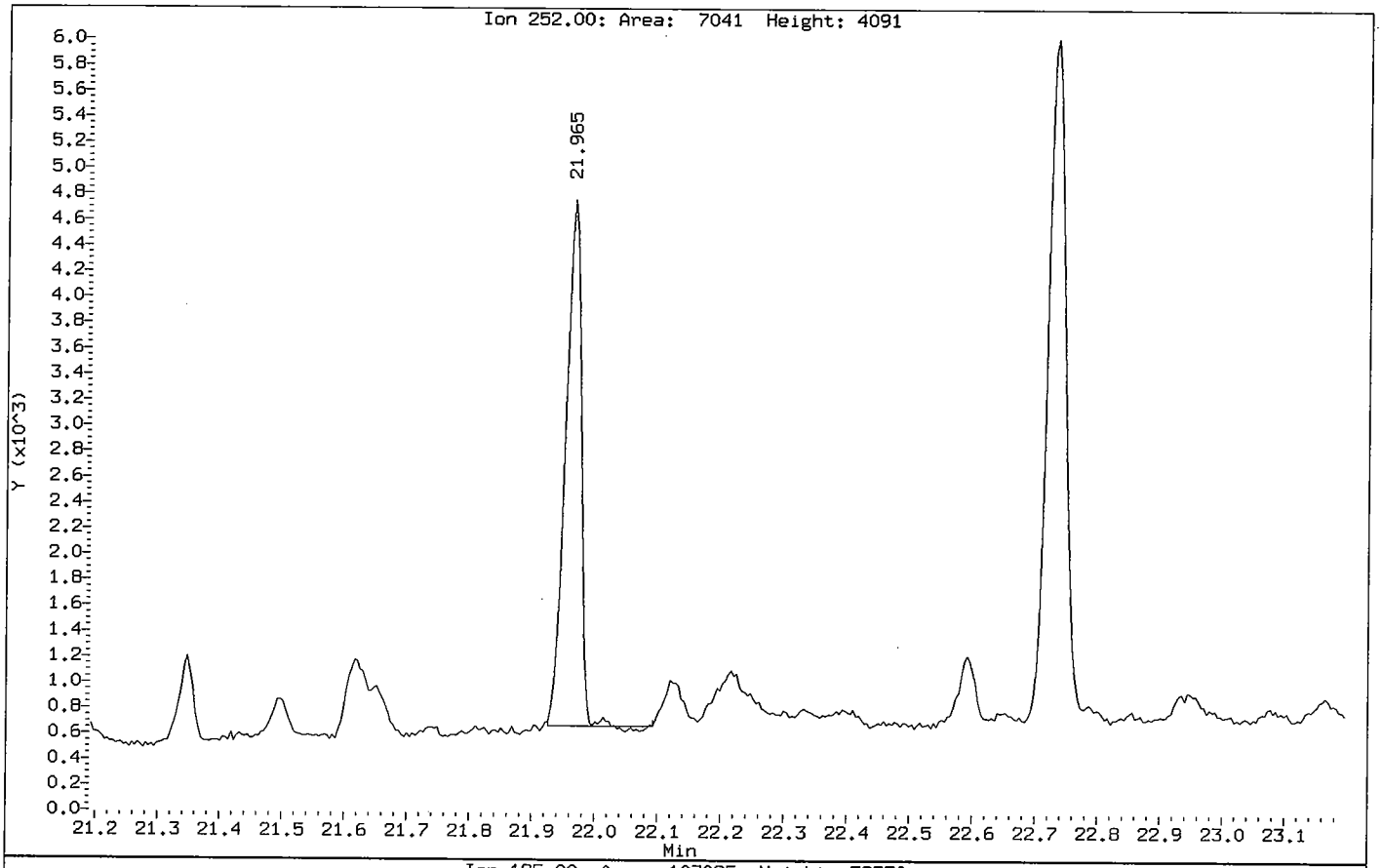
Benzo(a)pyrene CAS Number 50-32-8 Area = 802 Manually integrated

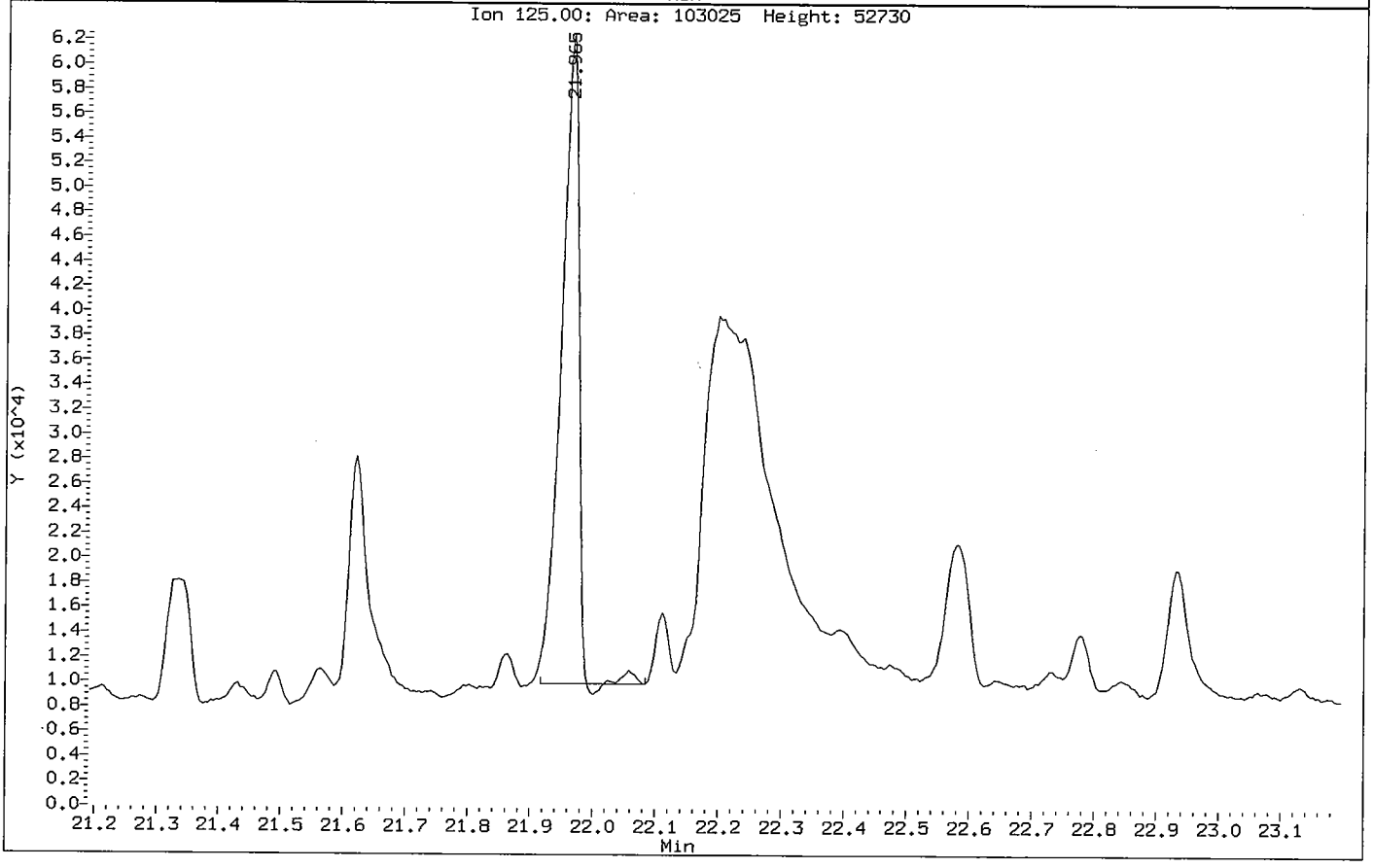


File name: /chem/5972hp70.i/DS100701A70.b/1005133-18JA70.d
Client ID: SS87-0-1
Instrument ID: 5972hp70.i
Injection Date and Time: 01-JUL-2010 19:09
Retention Time: 22.12
Operator ID: OWS

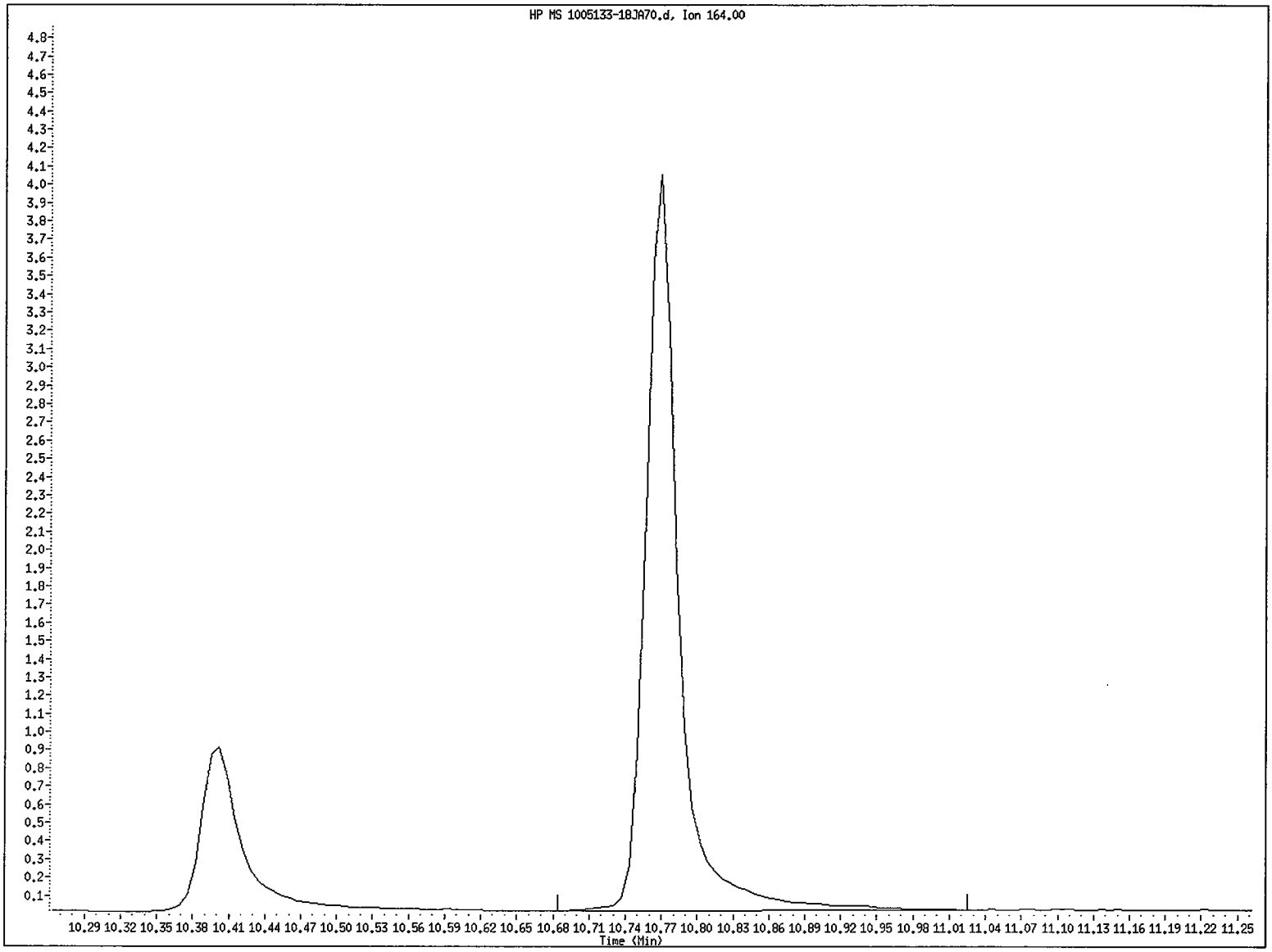
Data File: /chem/5972hp70.i/DS100701A70.b/1005133-18JA70.d
Injection Date: 01-JUL-2010 19:09
Instrument: 5972hp70.i
Client Sample ID: SS87-0-1

Compound: Benzo(a)pyrene
CAS Number: 50-32-8





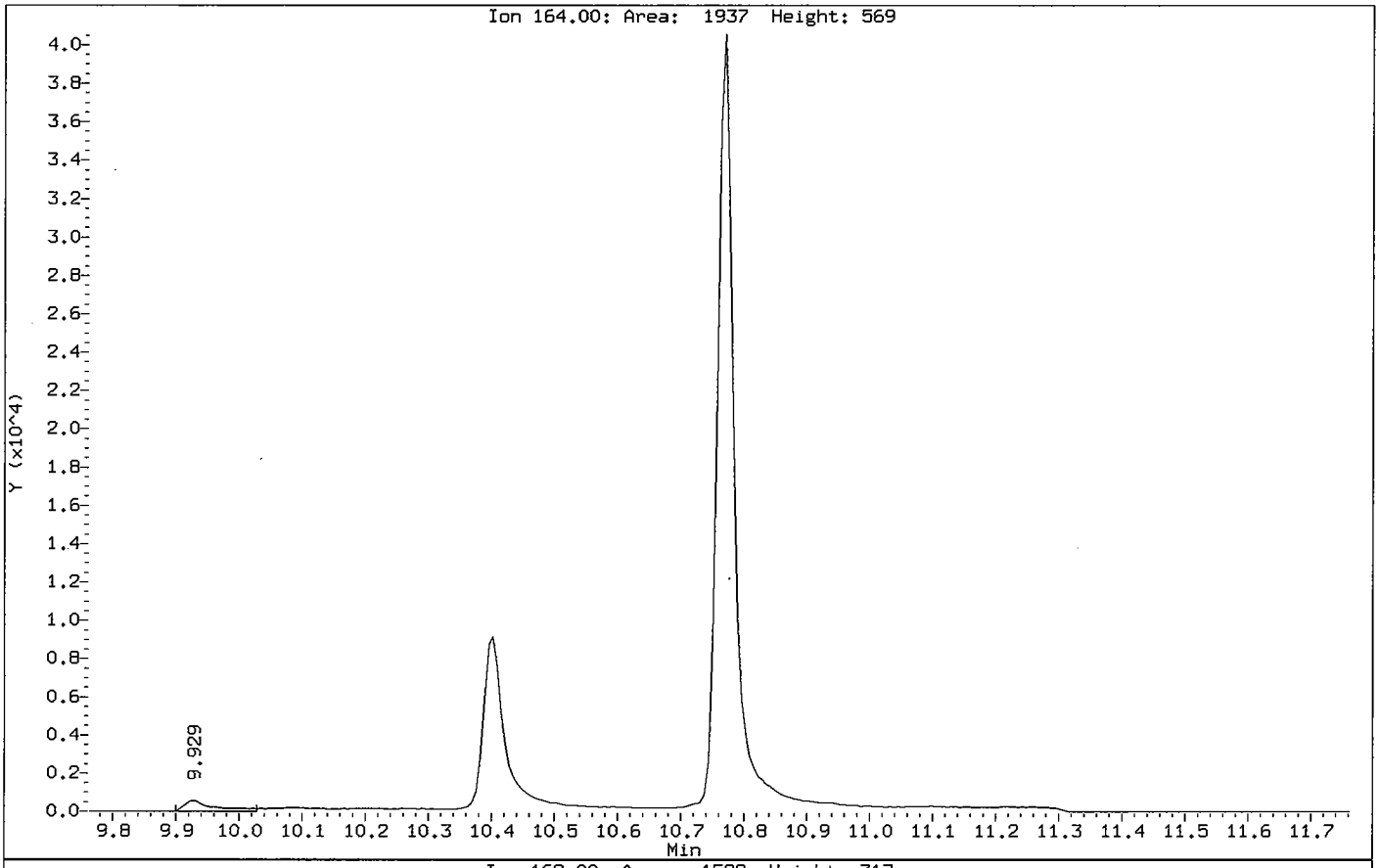
Acenaphthene-d10 CAS Number 15067-26-2 Area = 77997 Manually integrated

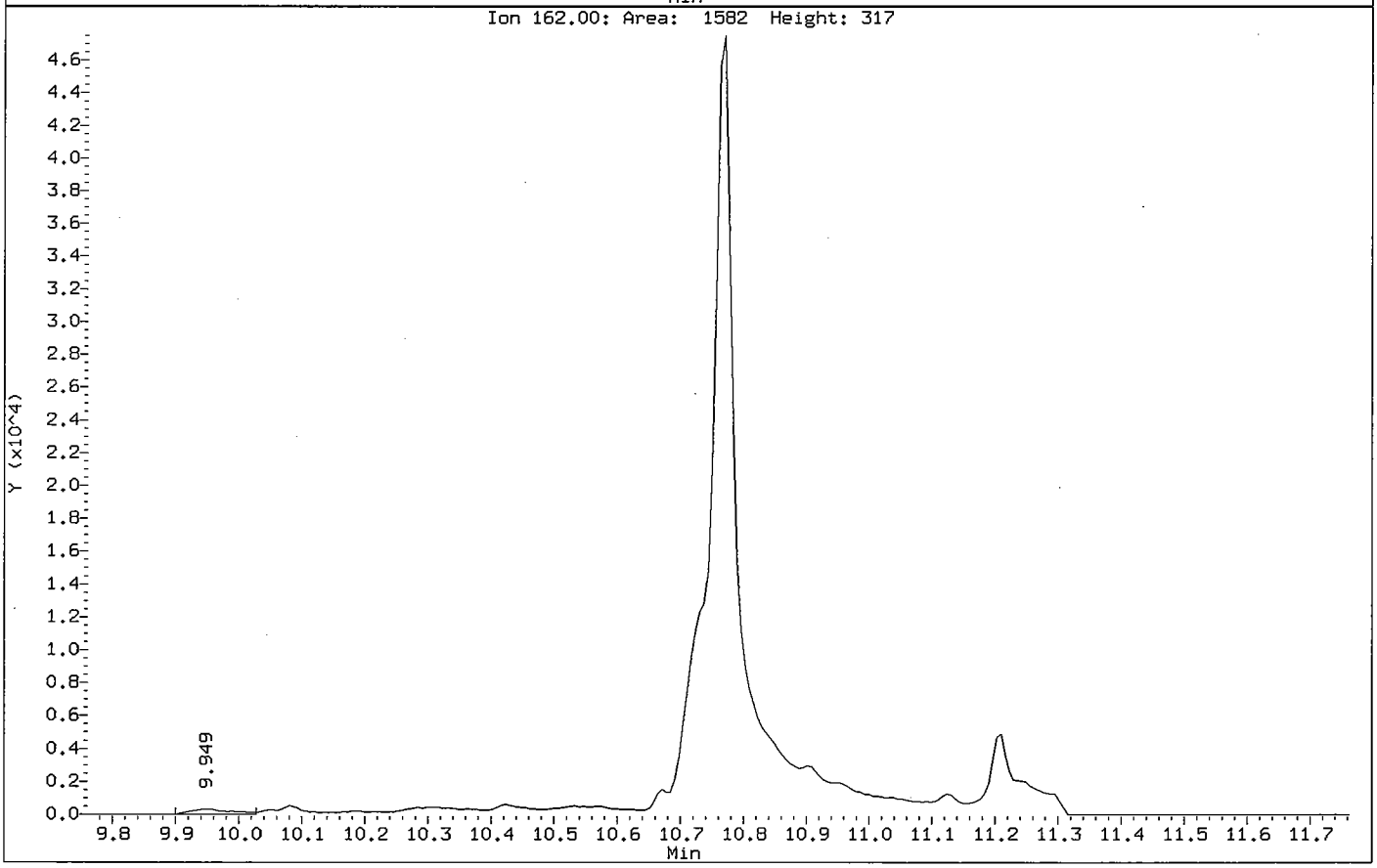


File name: /chem/5972hp70.i/DS100701A70.b/1005133-18JA70.d
Client ID: SS87-0-1
Instrument ID: 5972hp70.i
Injection Date and Time: 01-JUL-2010 19:09
Retention Time: 10.77
Operator ID: OWS

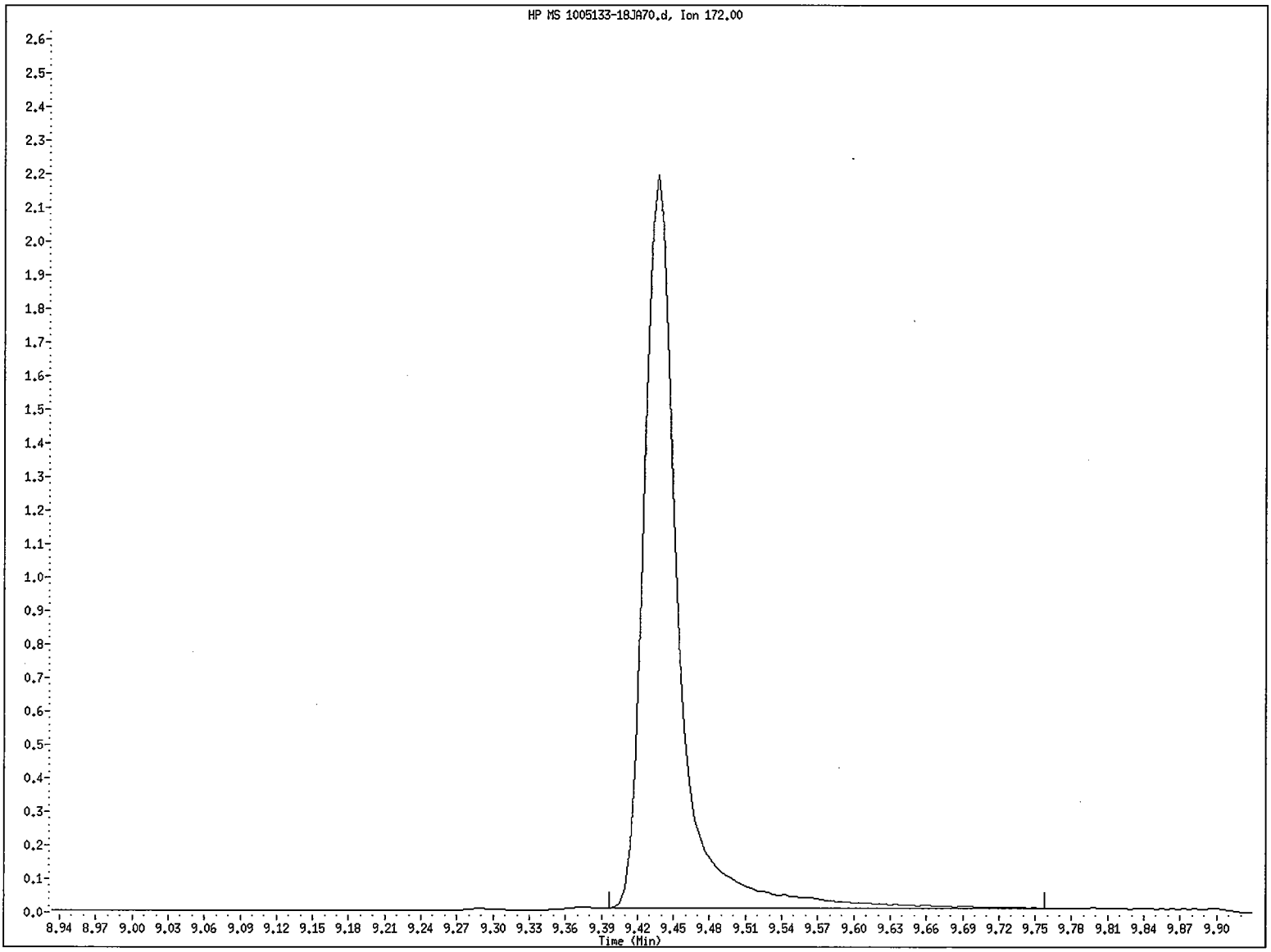
Data File: /chem/5972hp70.i/DS100701A70.b/1005133-18JA70.d
Injection Date: 01-JUL-2010 19:09
Instrument: 5972hp70.i
Client Sample ID: SS87-0-1

Compound: Acenaphthene-d10
CAS Number: 15067-26-2





2-Fluorobiphenyl CAS Number 321-60-8 Area = 42975 Manually integrated



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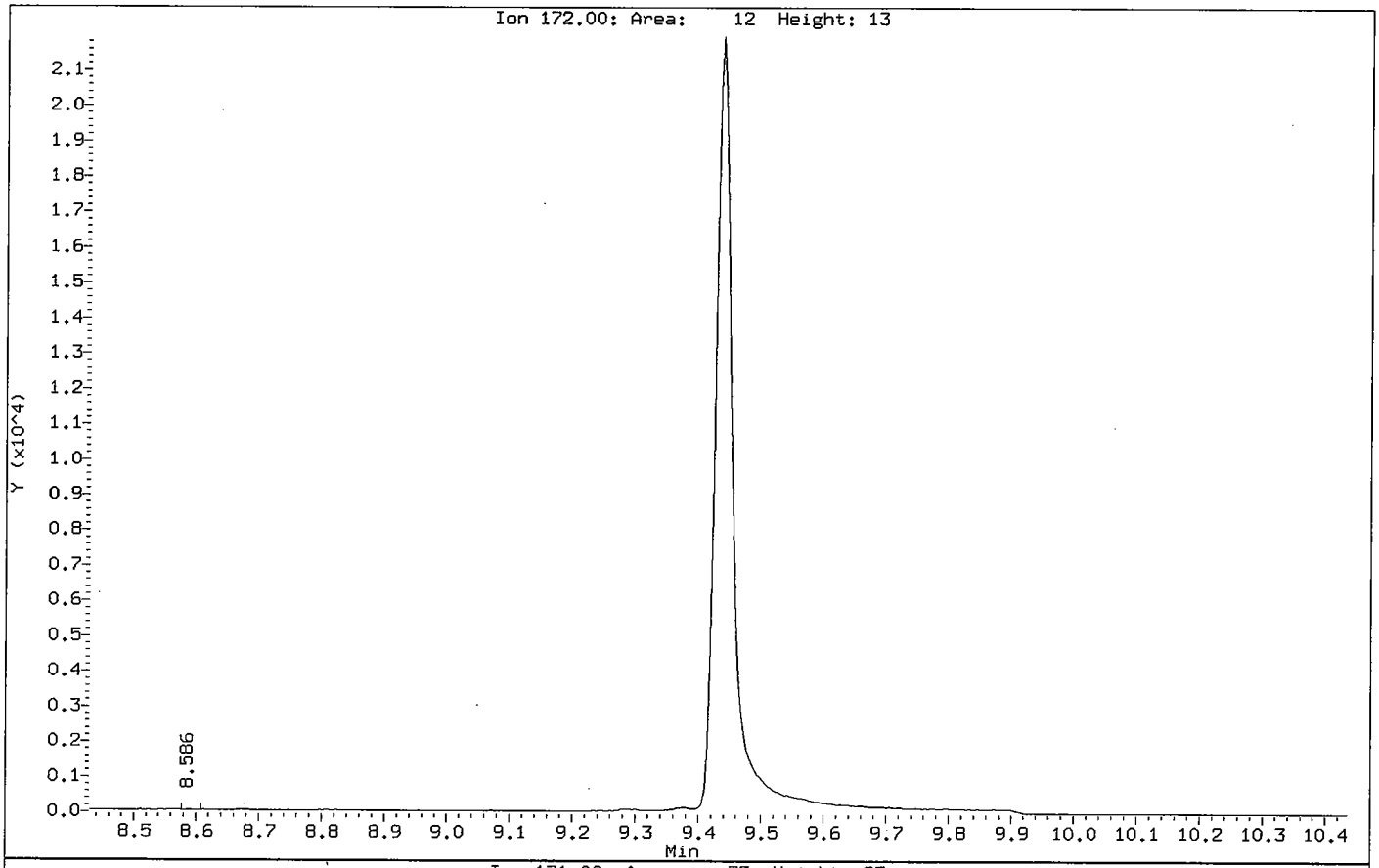
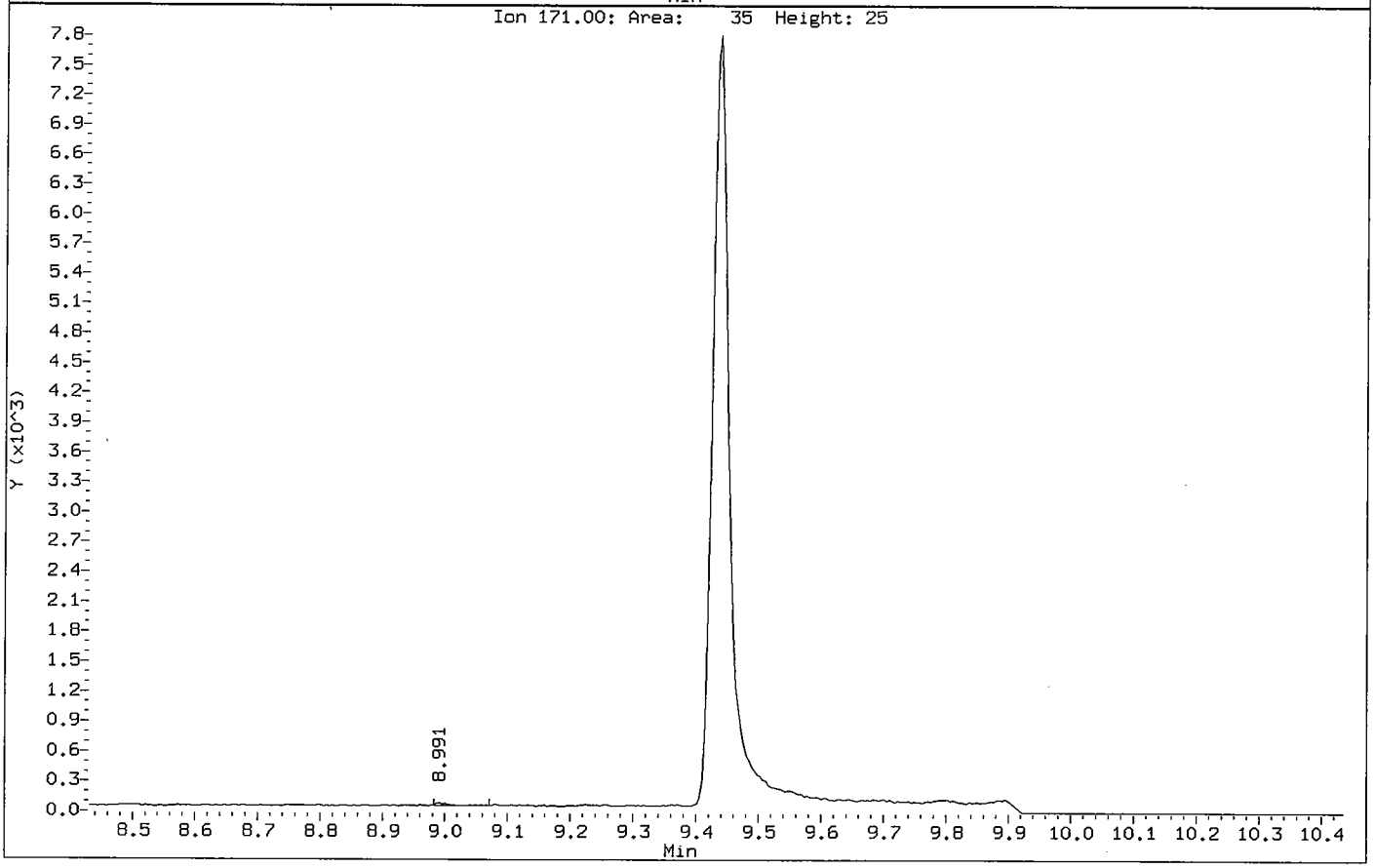
Client ID: SS87-0-1
Instrument ID: 5972hp70.i
Injection Date and Time: 01-JUL-2010 19:09
Retention Time: 9.44
Operator ID: OWS

Data File: /chem/5972hp70.i/DS100701A70.b/1005133-18JA70.d
Injection Date: 01-JUL-2010 19:09
Instrument: 5972hp70.i
Client Sample ID: SS87-0-1

Compound: 2-Fluorobiphenyl
CAS Number: 321-60-8





Data File: /chem/5972hp70.i/DS100701A70.b/1005133-18JA70.d

Date : 01-JUL-2010 19:09

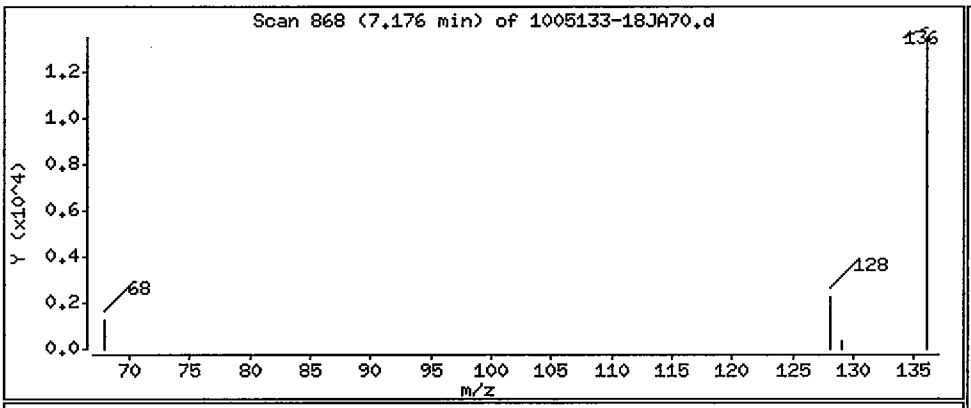
Client ID: SS87-0-1 Instrument: 5972hp70.i

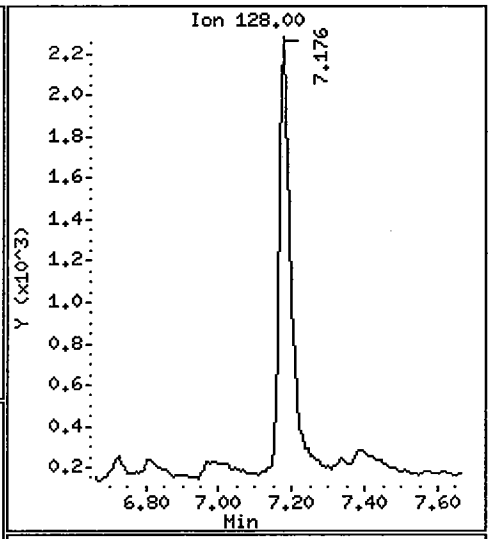
Sample Info: 1005133-18:OWS

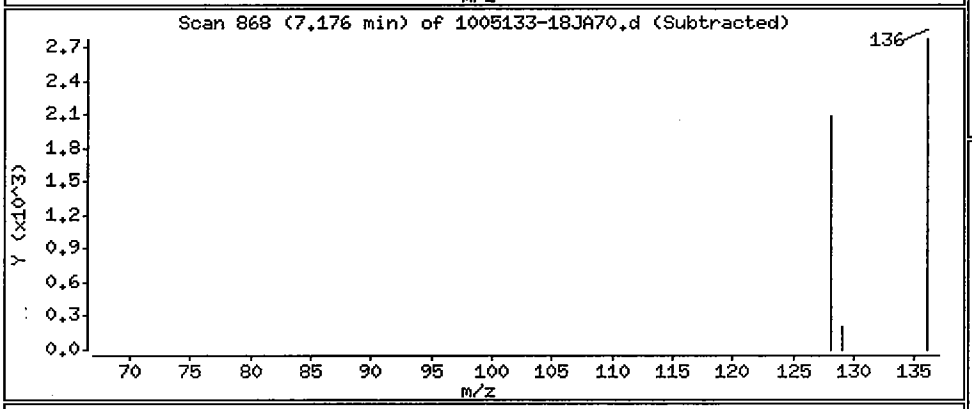
Volume Injected (uL): 2.0 Operator: OWS

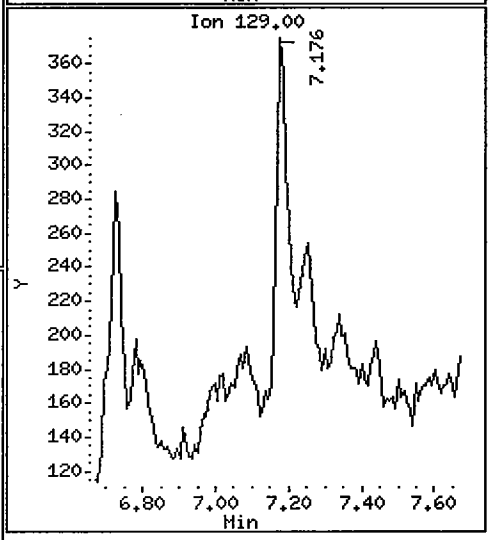
Column phase: Rtx-5MS Column diameter: 0.32

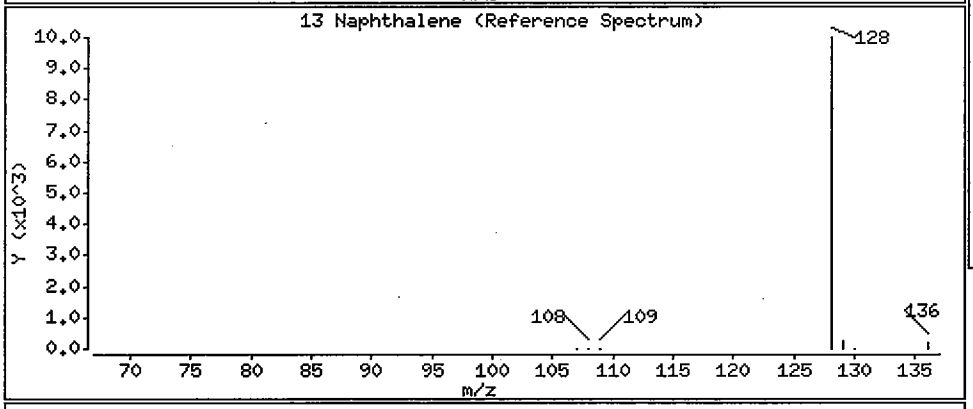
13 Naphthalene Concentration: 1.2 ug/Kg

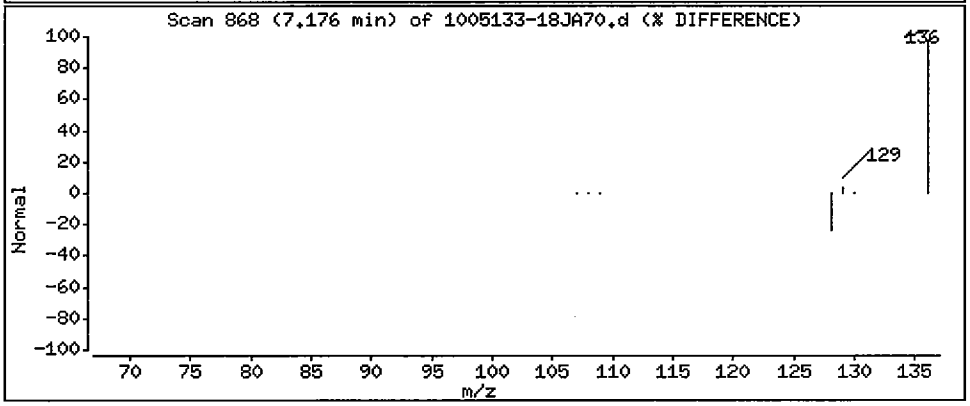












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-18JA70.d

Date : 01-JUL-2010 19:09

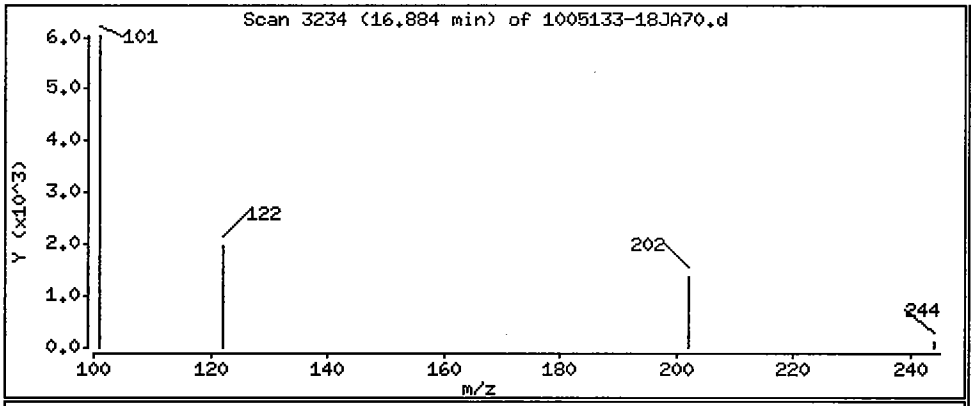
Client ID: SS87-0-1 Instrument: 5972hp70.i

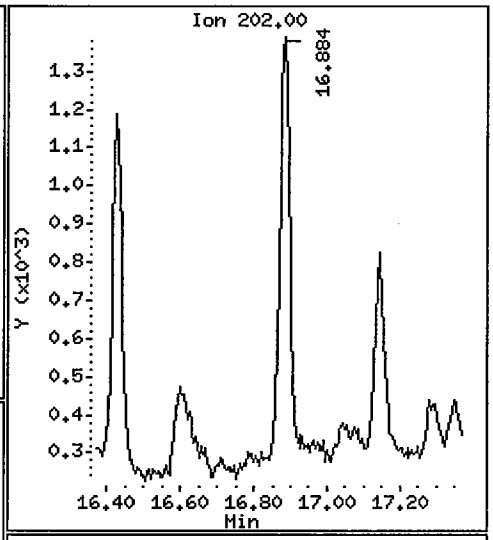
Sample Info: 1005133-18:OWS

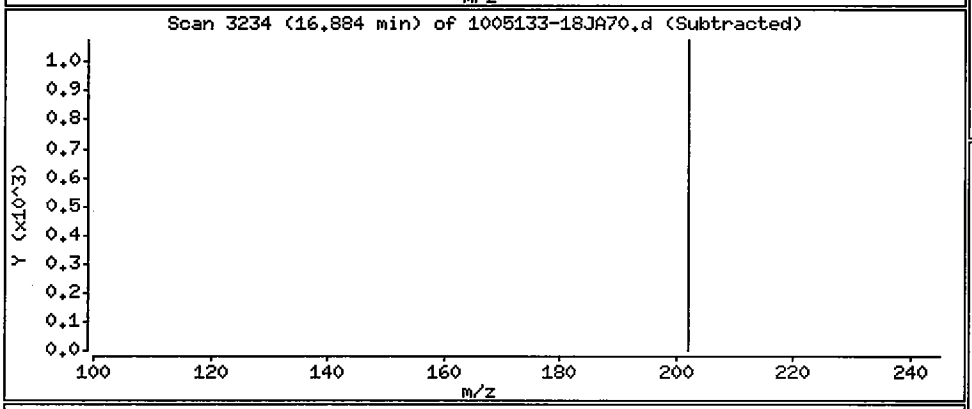
Volume Injected (uL): 2.0 Operator: OWS

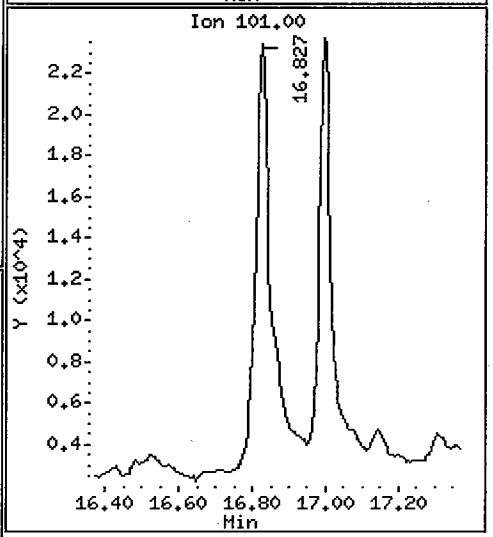
Column phase: Rtx-5MS Column diameter: 0.32

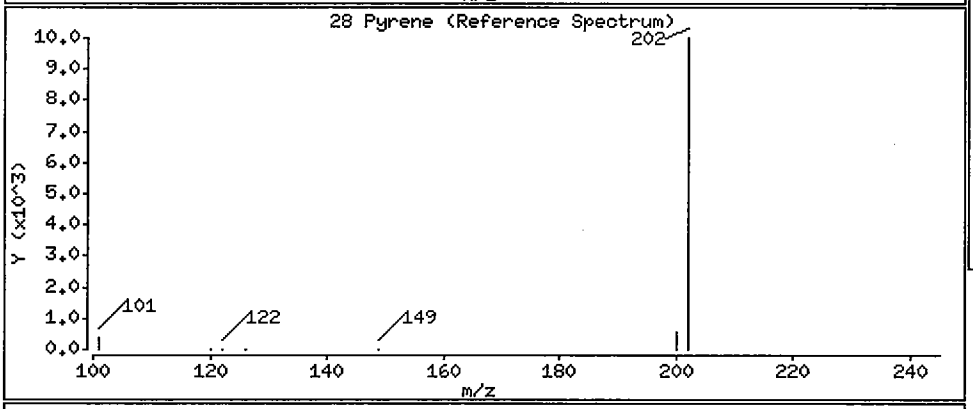
28 Pyrene Concentration: 0.76 ug/Kg

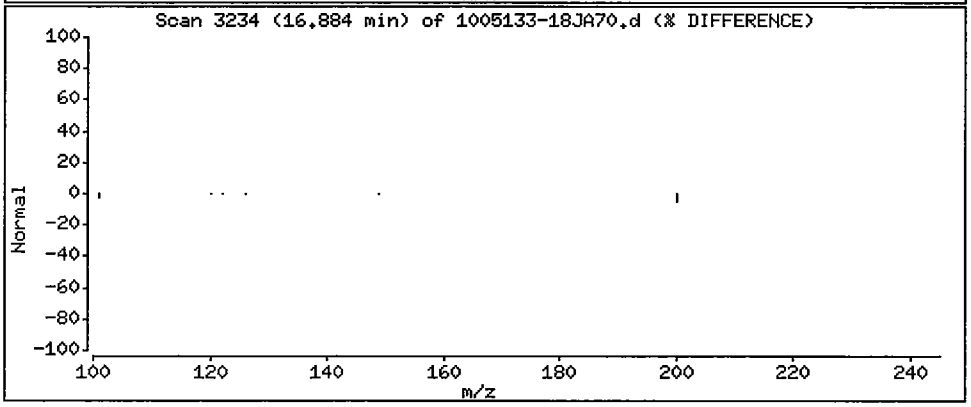












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-18JA70.d

Date : 01-JUL-2010 19:09

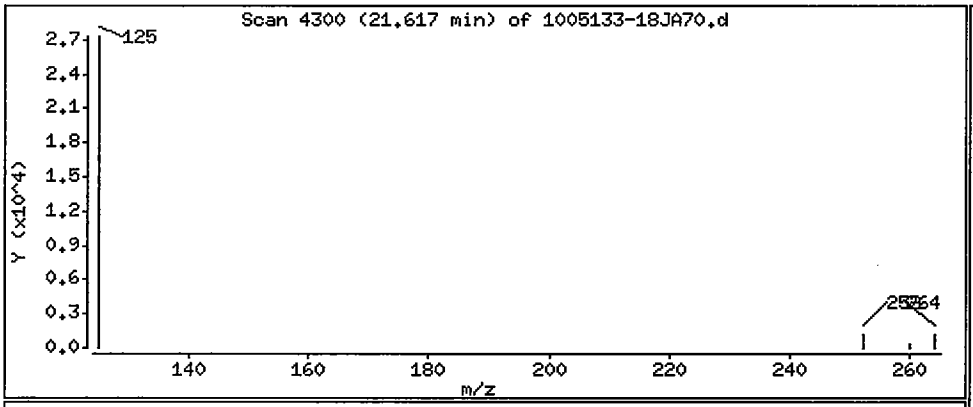
Client ID: SS87-0-1 Instrument: 5972hp70.i

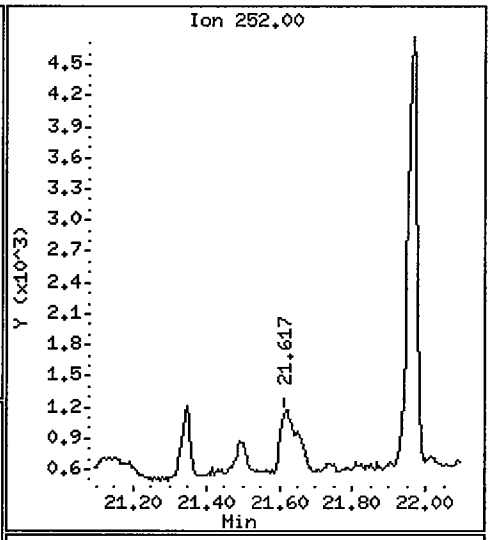
Sample Info: 1005133-18:OWS

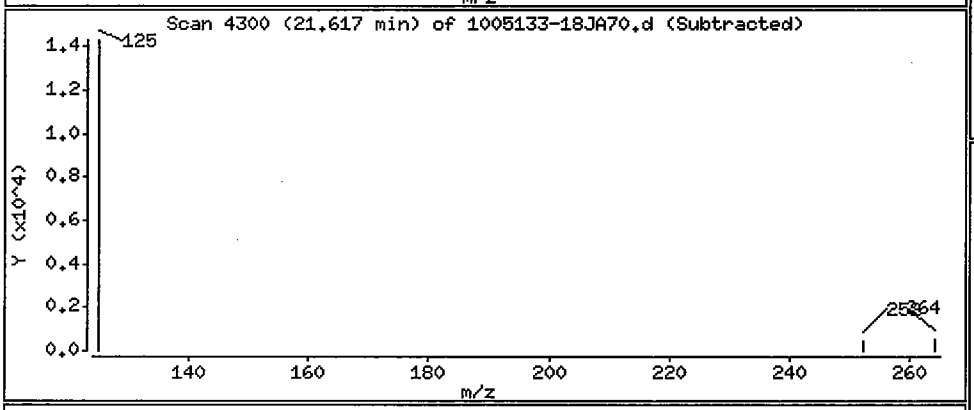
Volume Injected (uL): 2.0 Operator: OWS

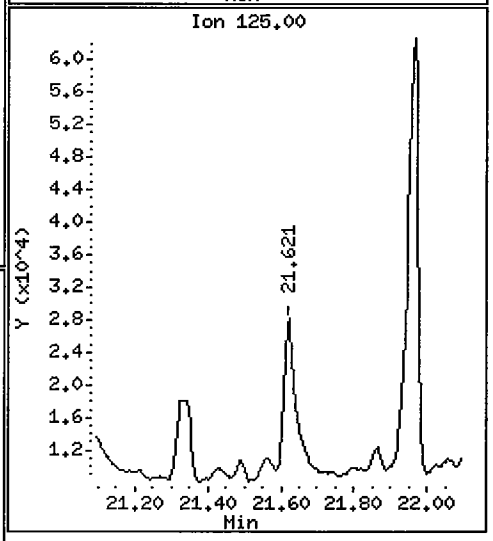
Column phase: Rtx-5MS Column diameter: 0.32

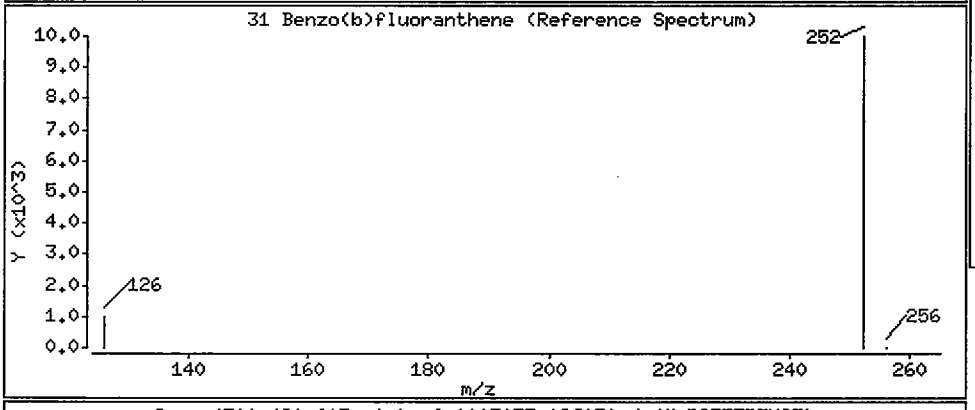
31 Benzo(b)fluoranthene Concentration: 0.79 ug/Kg

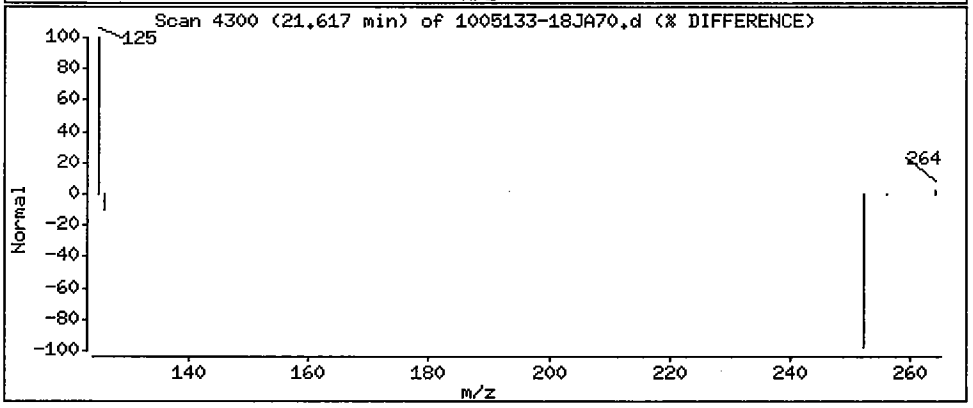












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-18JA70.d

Date : 01-JUL-2010 19:09

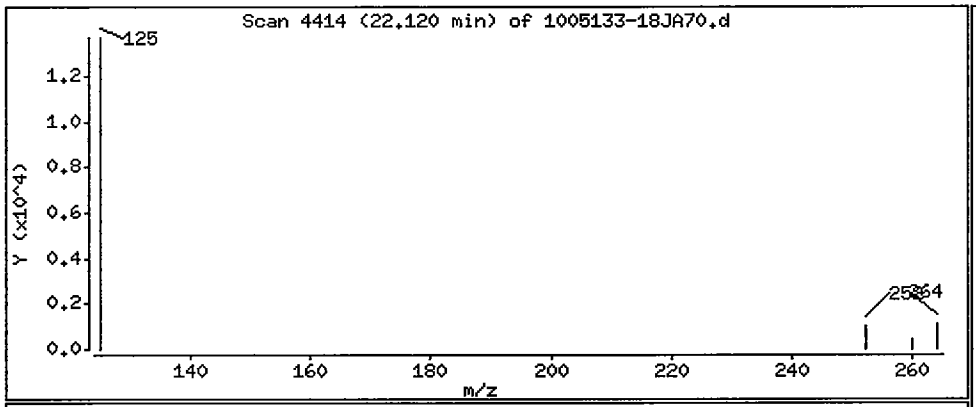
Client ID: SS87-0-1 Instrument: 5972hp70.i

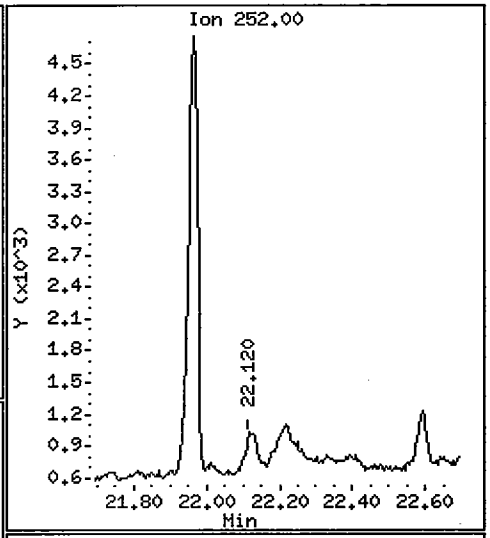
Sample Info: 1005133-18:OWS

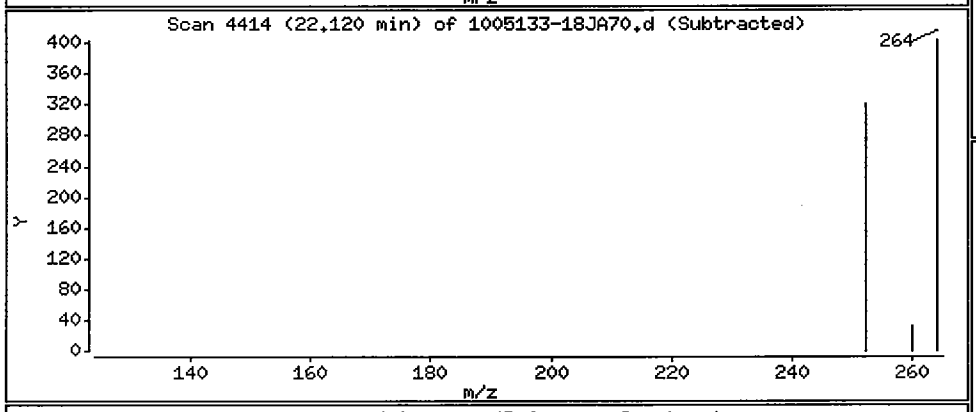
Volume Injected (uL): 2.0 Operator: OWS

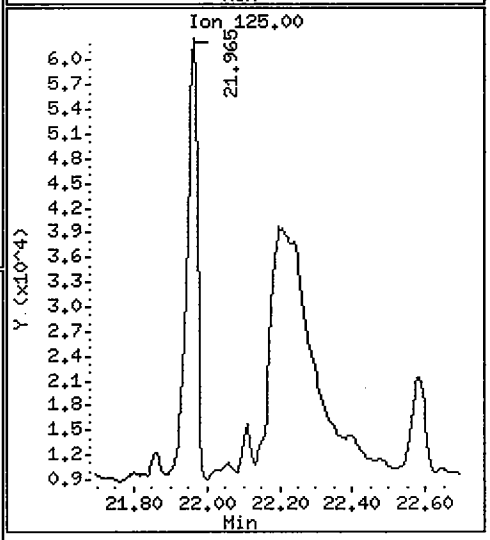
Column phase: Rtx-5MS Column diameter: 0.32

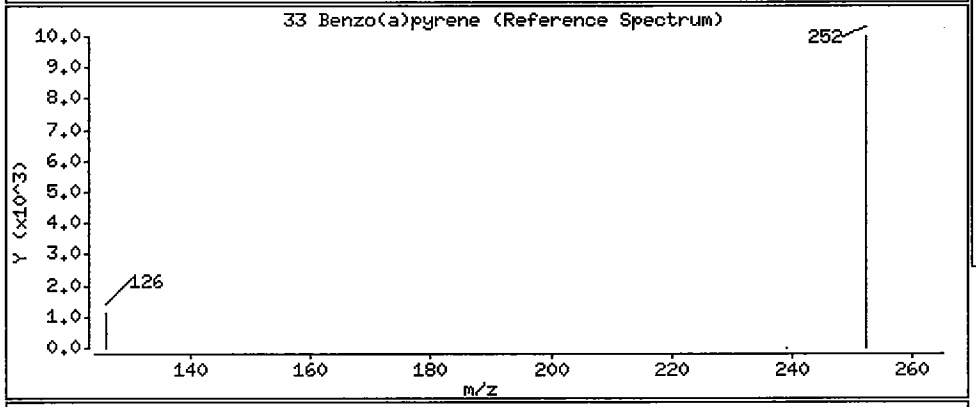
33 Benzo(a)pyrene Concentration: 0.51 ug/Kg

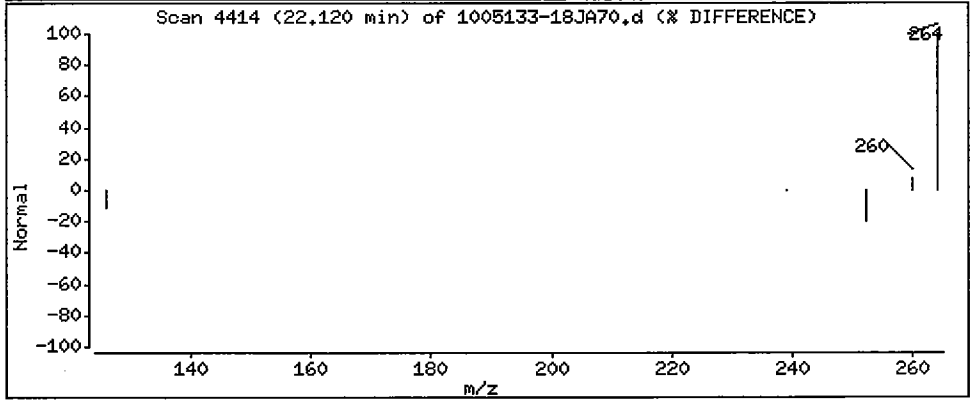












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SS88-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/19/10

Lab Sample ID: 1005133-14
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005133-14J2A70
Analyst: OWS

% Moisture: 9 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK2

Date Extracted: 05/24/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

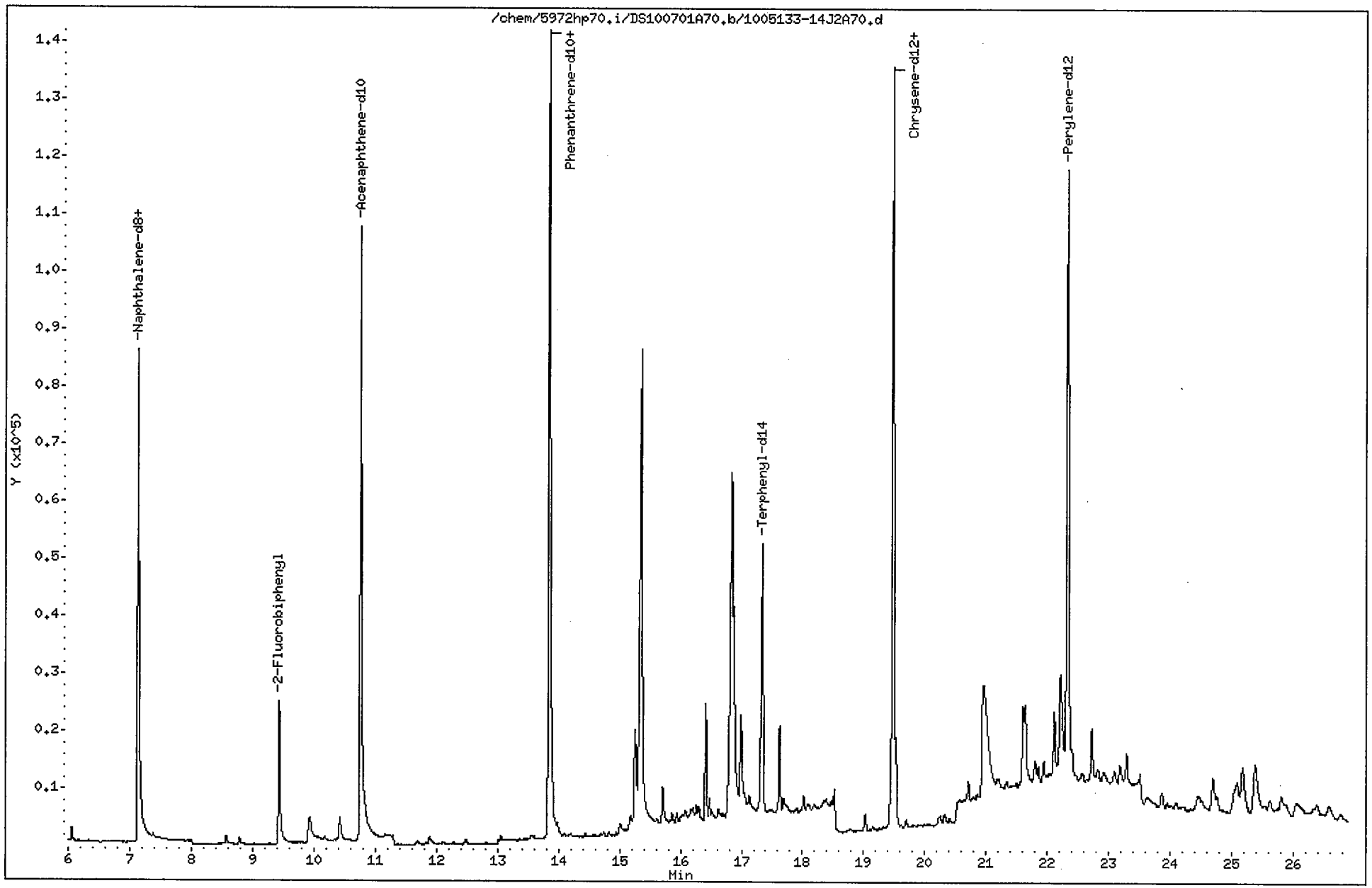
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.79	9.1	1.2	J
91-57-6	2-Methylnaphthalene	0.75	9.1	ND	U
208-96-8	Acenaphthylene	0.59	9.1	1.2	J
83-32-9	Acenaphthene	0.66	9.1	ND	U
86-73-7	Fluorene	0.49	9.1	ND	U
85-01-8	Phenanthrene	1.4	9.1	2.4	J
120-12-7	Anthracene	0.48	9.1	0.62	J
206-44-0	Fluoranthene	1.5	9.1	3.9	J
129-00-0	Pyrene	0.62	9.1	3.5	J
56-55-3	Benzo(a)anthracene	0.62	9.1	2.3	J
218-01-9	Chrysene	0.70	9.1	3.2	J
205-99-2	Benzo(b)fluoranthene	0.62	9.1	3.1	J
207-08-9	Benzo(k)fluoranthene	0.48	9.1	2.4	J
50-32-8	Benzo(a)pyrene	0.42	9.1	2.8	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.40	9.1	6.7	J
53-70-3	Dibenzo(a,h)anthracene	0.37	9.1	ND	U
191-24-2	Benzo(g,h,i)perylene	0.42	9.1	2.9	J

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100701A70.b/1005133-14J2A70.d
Date : 01-JUL-2010 16:48
Client ID: SS88-0-1
Sample Info: 1005133-14:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701A70.b/1005133-14J2A70.d
Report Date: 02-Jul-2010 13:31

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701A70.b/1005133-14J2A70.d
Lab Smp Id: 1005133-14 Client Smp ID: SS88-0-1
Inj Date : 01-JUL-2010 16:48
Operator : OWS Inst ID: 5972hp70.i
Smp Info : 1005133-14:OWS
Misc Info : SS88-0-1
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701A70.b/SIM_8270Cv3DOD.m
Meth Date : 02-Jul-2010 13:19 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	9.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	4.836	4.820	(1.000)	38308	2.00000	
* 2 Naphthalene-d8	136	7.137	7.130	(1.000)	158005	2.00000	
* 3 Acenaphthene-d10	164	10.763	10.763	(1.000)	109369	2.00000	
* 4 Phenanthrene-d10	188	13.846	13.846	(1.000)	228445	2.00000	
* 5 Chrysene-d12	240	19.476	19.476	(1.000)	194804	2.00000	
* 6 Perylene-d12	264	22.323	22.314	(1.000)	199995	2.00000	
$ 9 Nitrobenzene-d5	82	5.863	5.856	(0.822)	23070	0.45119	8.3
$ 10 2-Fluorobiphenyl	172	9.433	9.432	(0.876)	39790	0.52789	9.7
$ 12 Terphenyl-d14	244	17.339	17.343	(0.890)	59868	0.86337	16
13 Naphthalene	128	7.168	7.161	(1.004)	6364	0.06307	1.2(a)
15 2-Methylnaphthalene	141	Compound Not Detected.					
17 Acenaphthylene	152	10.429	10.428	(0.969)	6809	0.06599	1.2(a)
18 Acenaphthene	154	Compound Not Detected.					

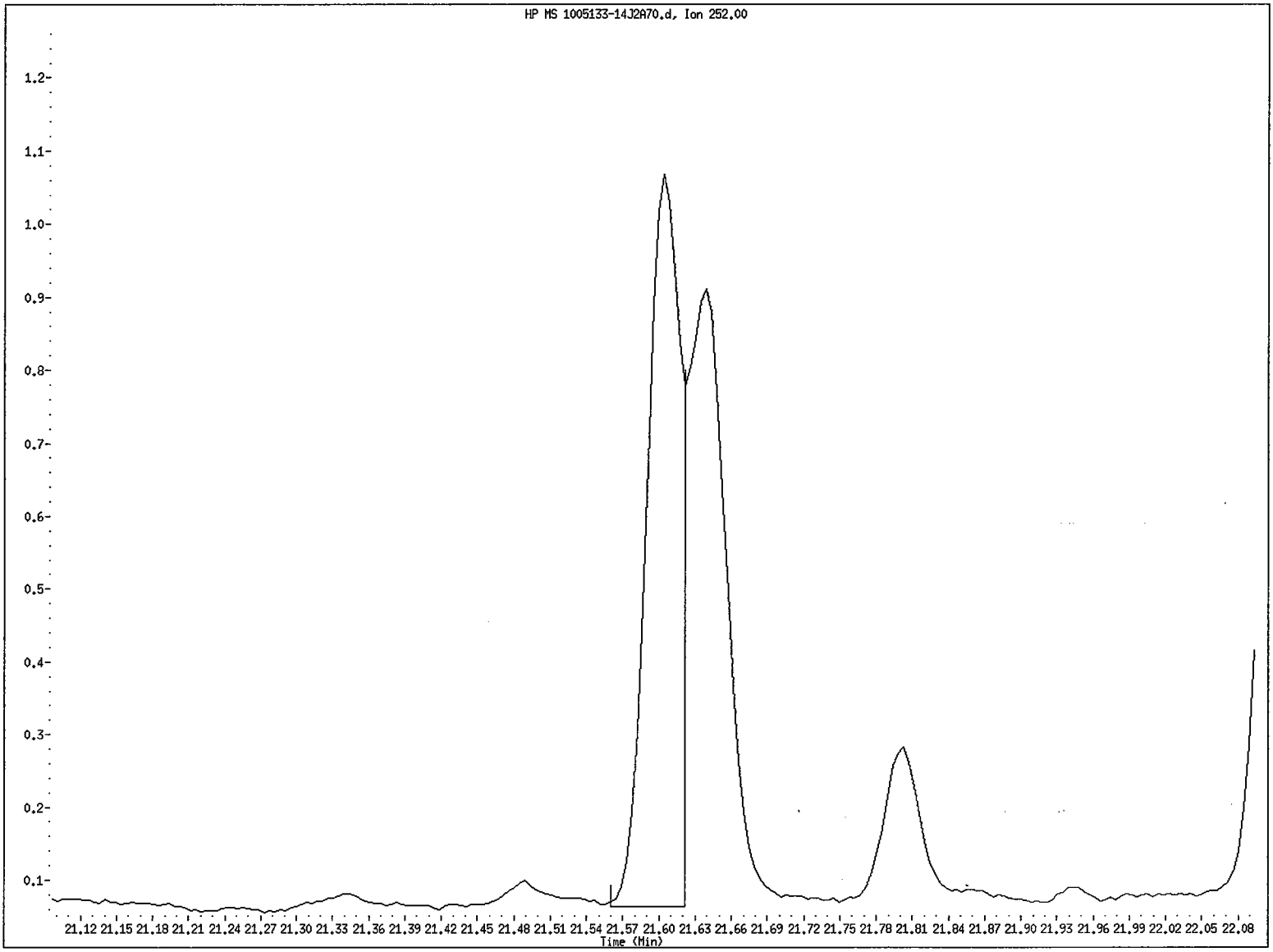
Data File: /chem/5972hp70.i/DS100701A70.b/1005133-14J2A70.d
Report Date: 02-Jul-2010 13:31

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	13.890	13.890	(1.003)	16190	0.12985	2.4(a)
26 Anthracene	178	13.983	13.983	(1.010)	3848	0.03363	0.62(a)
27 Fluoranthene	202	16.417	16.417	(1.186)	26064	0.21288	3.9(a)
28 Pyrene	202	16.871	16.871	(0.866)	27254	0.19359	3.5(a)
29 Benzo(a)anthracene	228	19.445	19.441	(0.998)	13127	0.12798	2.3(a)
30 Chrysene	228	19.524	19.525	(1.002)	21014	0.17210	3.2(a)
31 Benzo(b)fluoranthene	252	21.604	21.595	(0.968)	20112	0.17185	3.1(aM)
32 Benzo(k)fluoranthene	252	21.639	21.635	(0.969)	18793	0.12982	2.4(aM)
33 Benzo(a)pyrene	252	22.204	22.195	(0.995)	16868	0.15258	2.8(a)
34 Indeno(1,2,3-cd)pyrene	276	24.693	24.666	(1.106)	14723	0.36599	6.7(aM)
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	25.373	25.328	(1.137)	17220	0.15935	2.9(a)

QC Flag Legend

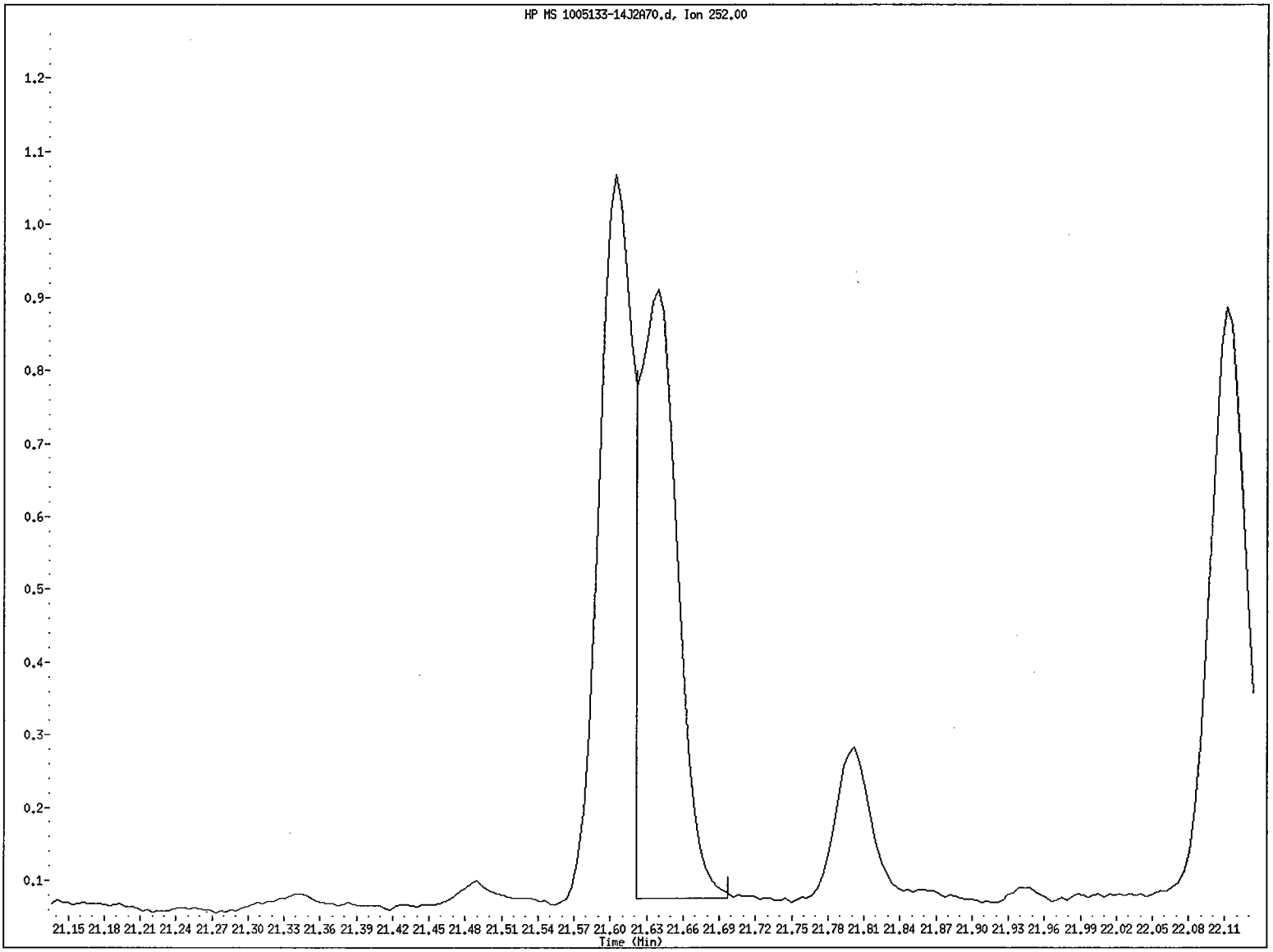
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Benzo(b)fluoranthene CAS Number 205-99-2 Area = 20112 Manually integrated



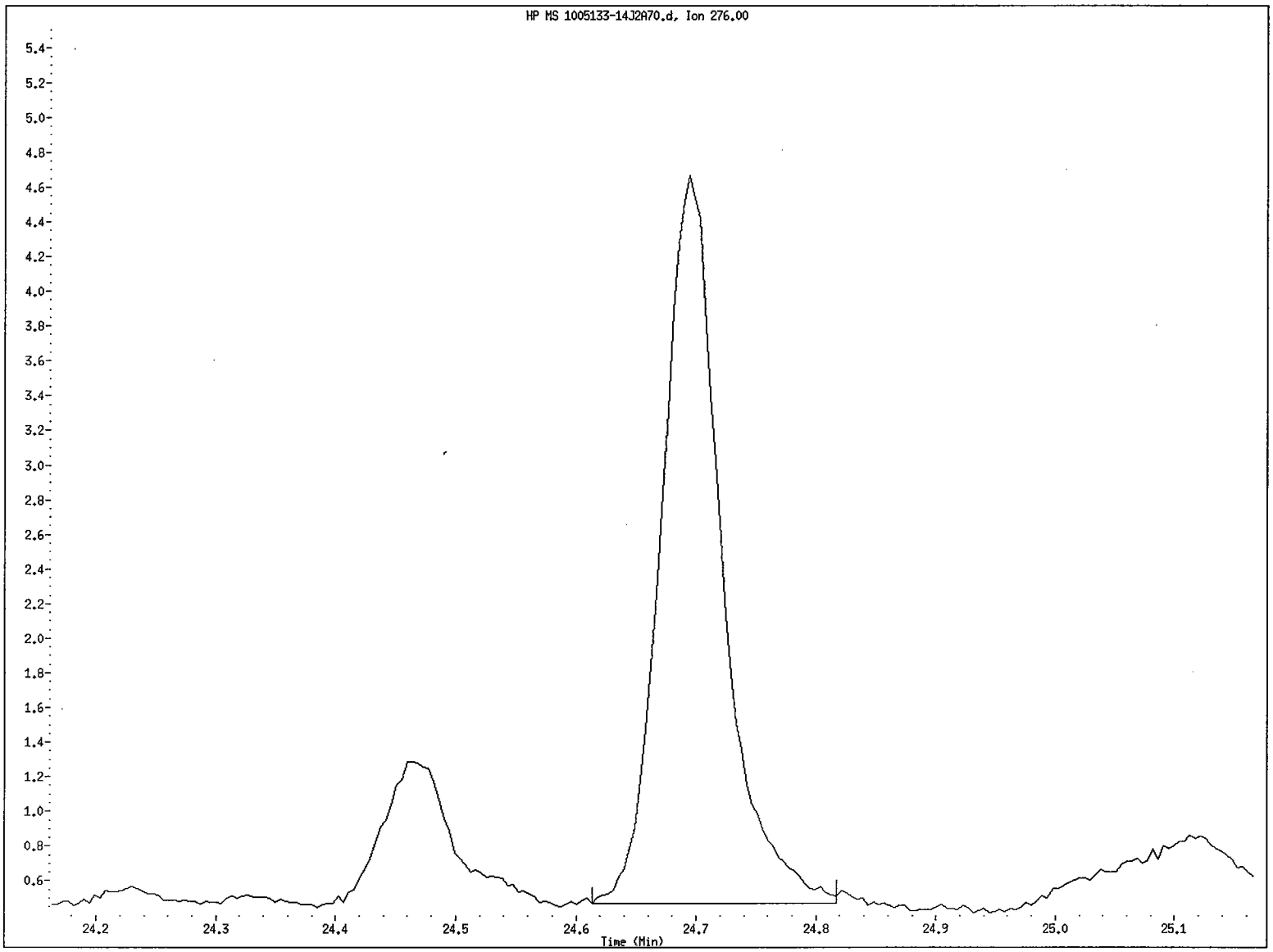
File name: /chem/5972hp70.i/DS100701A70.b/1005133-14J2A70.d
Client ID: SS88-0-1
Instrument ID: 5972hp70.i
Injection Date and Time: 01-JUL-2010 16:48
Retention Time: 21.60
Operator ID: OWS

Benzo(k)fluoranthene CAS Number 207-08-9 Area = 18793 Manually integrated



File name: /chem/5972hp70.i/DS100701A70.b/1005133-14J2A70.d
Client ID: SS88-0-1
Instrument ID: 5972hp70.i
Injection Date and Time: 01-JUL-2010 16:48
Retention Time: 21.64
Operator ID: OWS

Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 14723 Manually integrated



File name: /chem/5972hp70.i/DS100701A70.b/1005133-14J2A70.d
Client ID: SS88-0-1
Instrument ID: 5972hp70.i
Injection Date and Time: 01-JUL-2010 16:48
Retention Time: 24.69
Operator ID: OWS

Data File: /chem/5972hp70.i/DS100701A70.b/1005133-14J2A70.d

Date : 01-JUL-2010 16:48

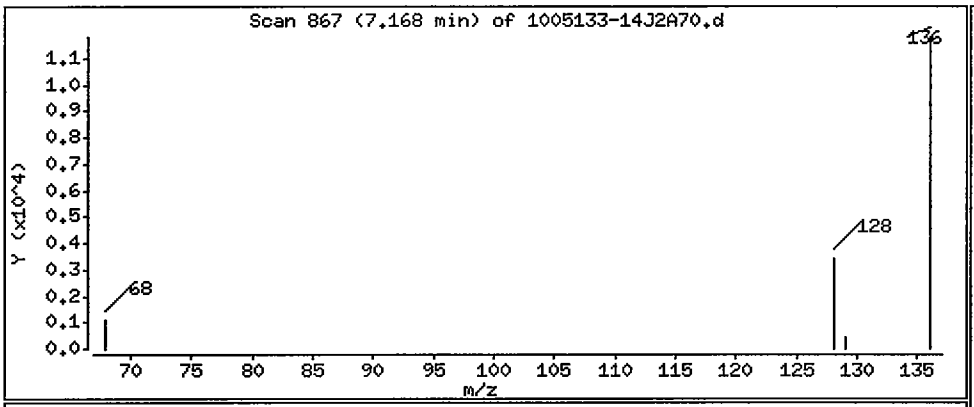
Client ID: SS88-0-1 Instrument: 5972hp70.i

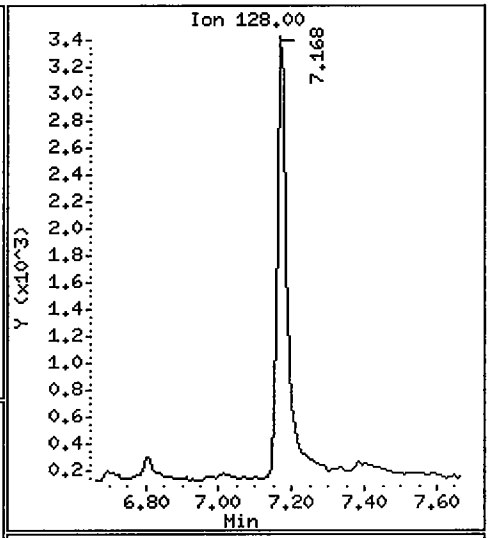
Sample Info: 1005133-14:OWS

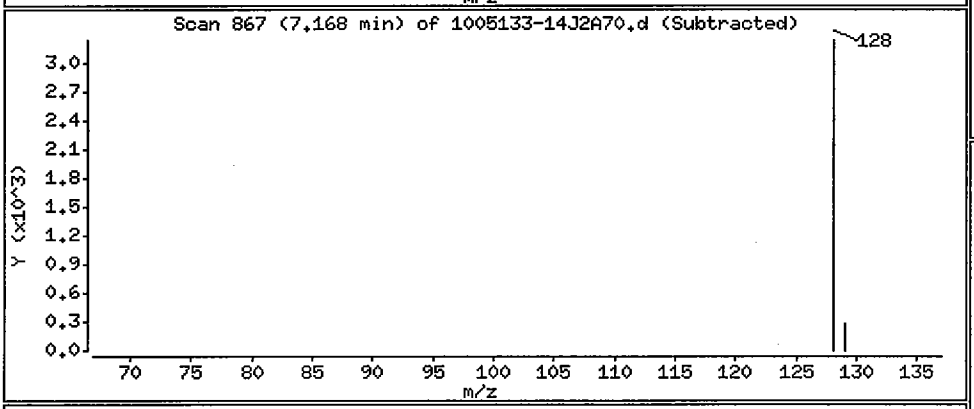
Volume Injected (uL): 2.0 Operator: OWS

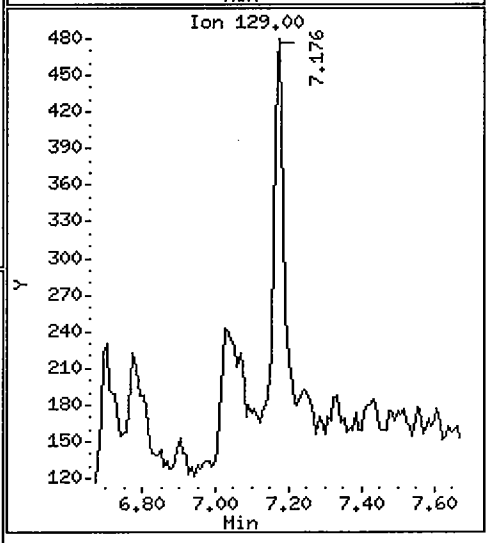
Column phase: Rtx-5MS Column diameter: 0.32

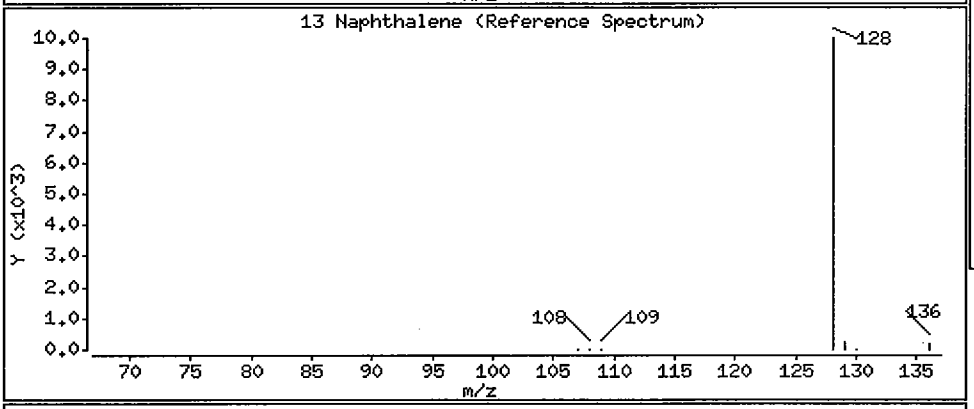
13 Naphthalene Concentration: 1.2 ug/Kg

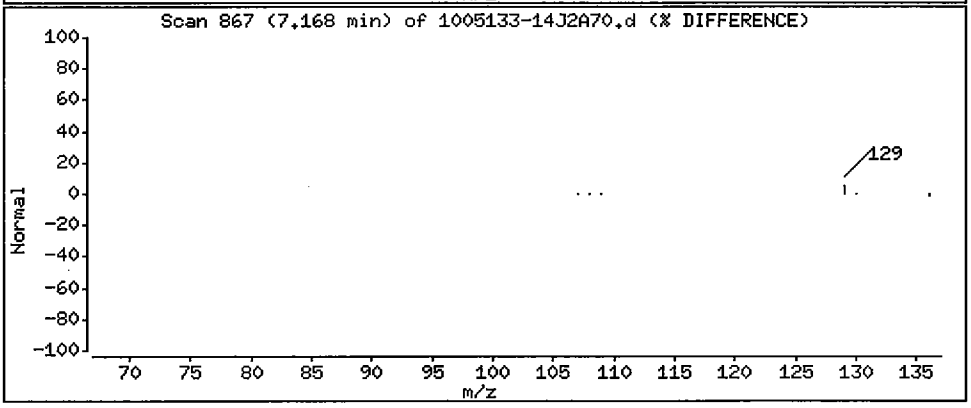












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-14J2A70.d

Date : 01-JUL-2010 16:48

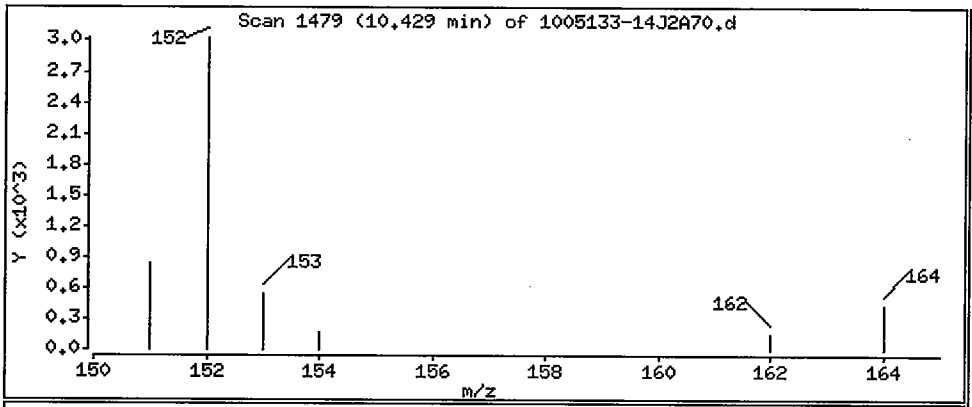
Client ID: SS88-0-1 Instrument: 5972hp70.i

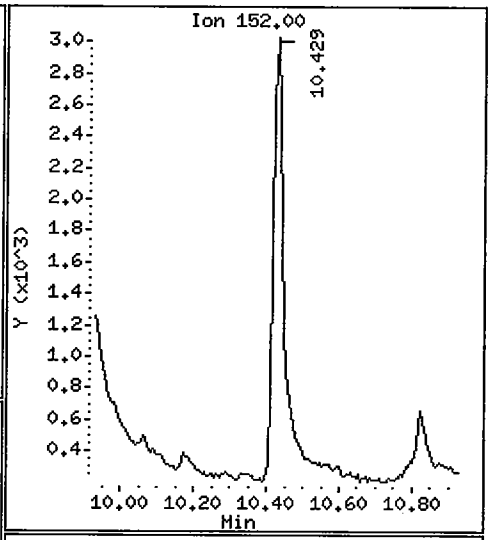
Sample Info: 1005133-14:OWS

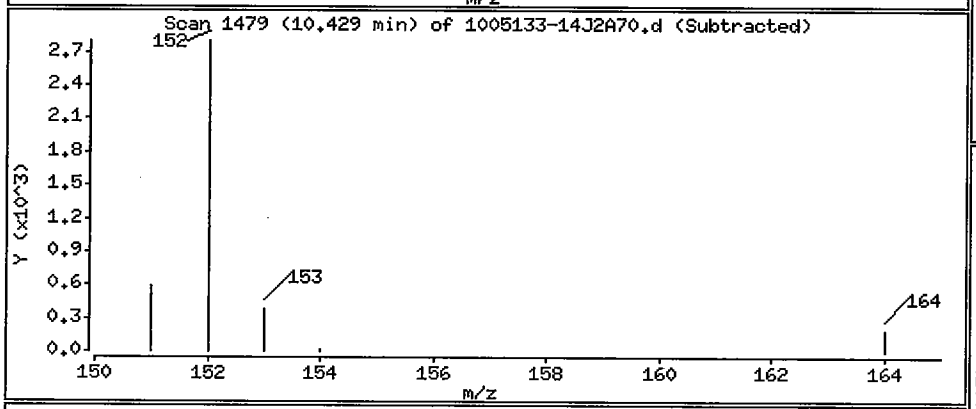
Volume Injected (uL): 2.0 Operator: OWS

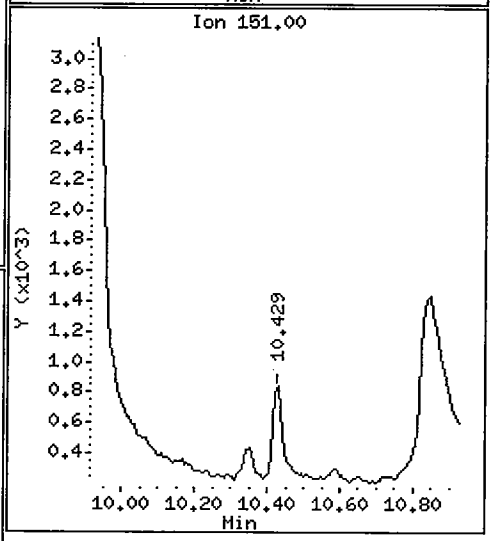
Column phase: Rtx-5MS Column diameter: 0.32

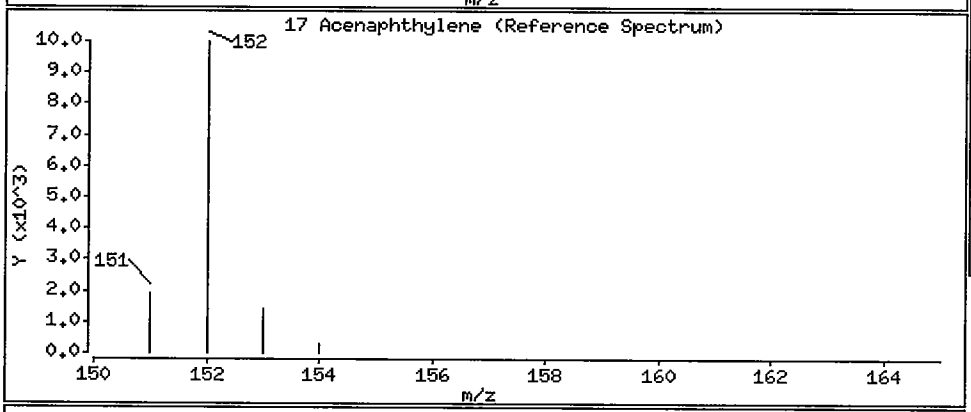
17 Acenaphthylene Concentration: 1.2 ug/Kg

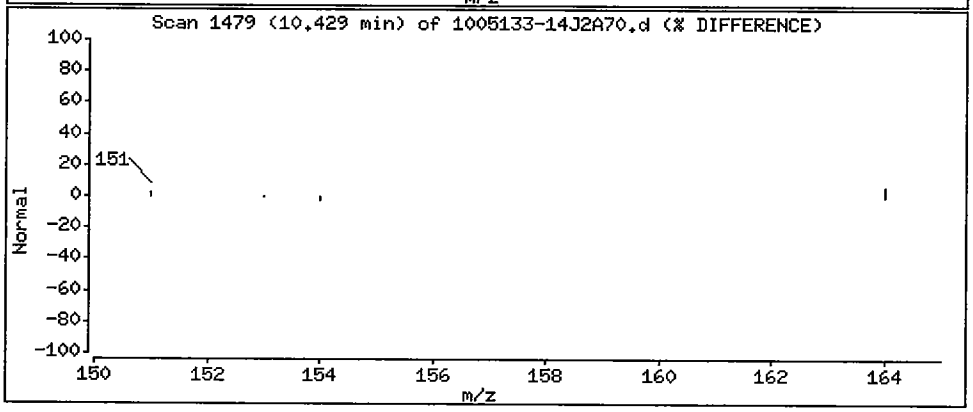












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-14J2A70.d

Date : 01-JUL-2010 16:48

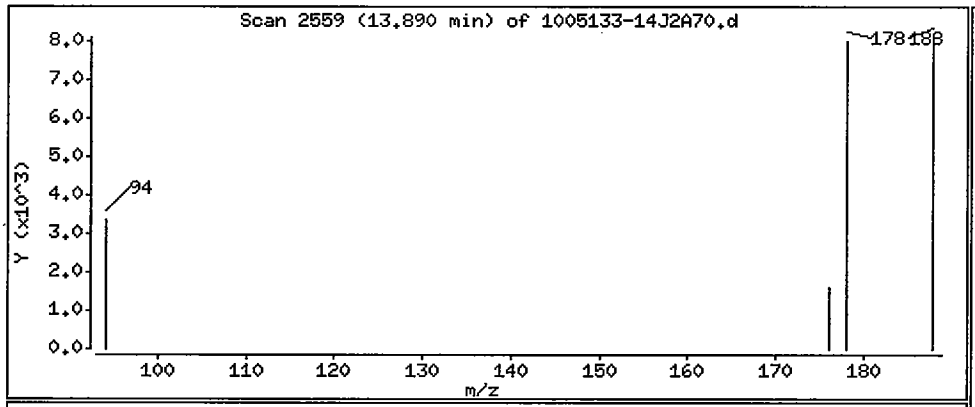
Client ID: SS88-0-1 Instrument: 5972hp70.i

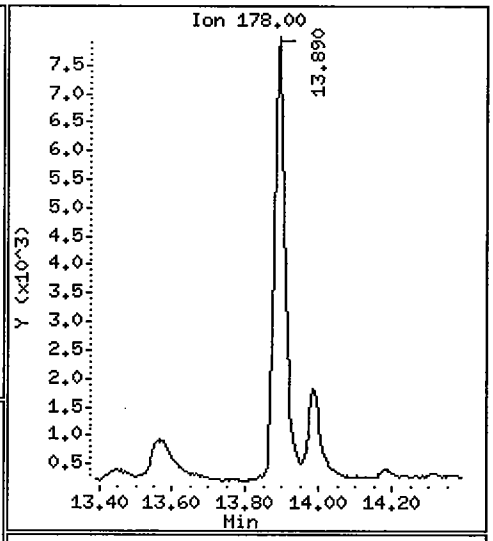
Sample Info: 1005133-14:OWS

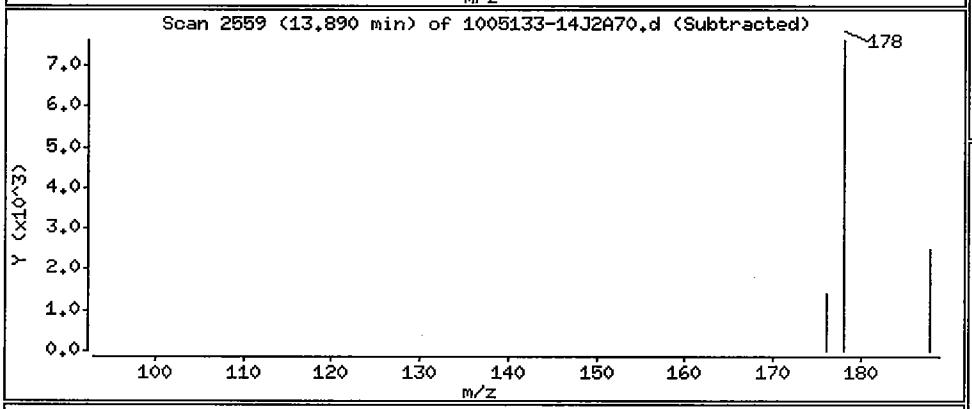
Volume Injected (uL): 2.0 Operator: OWS

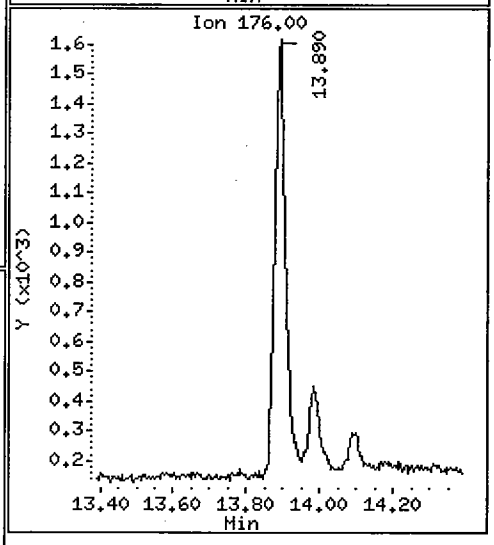
Column phase: Rtx-5MS Column diameter: 0.32

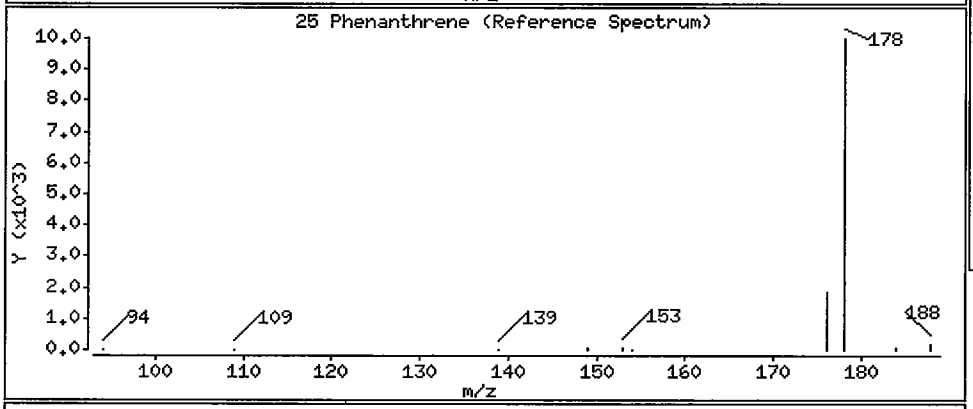
25 Phenanthrene Concentration: 2.4 ug/Kg

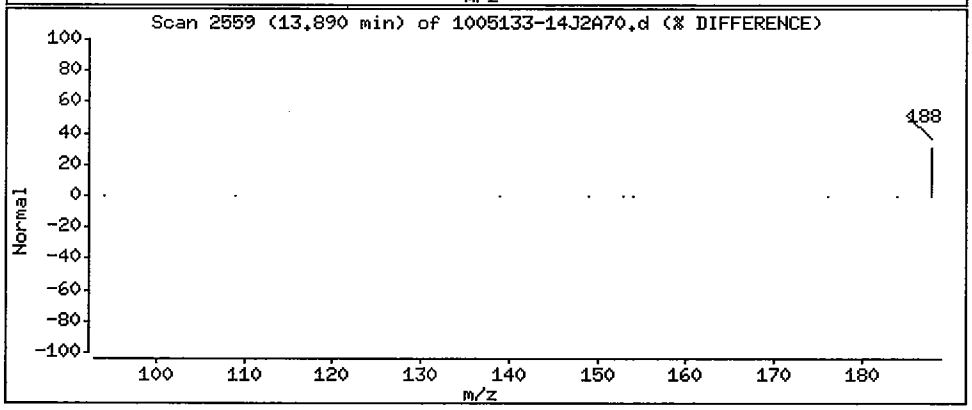












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-14J2A70.d

Date : 01-JUL-2010 16:48

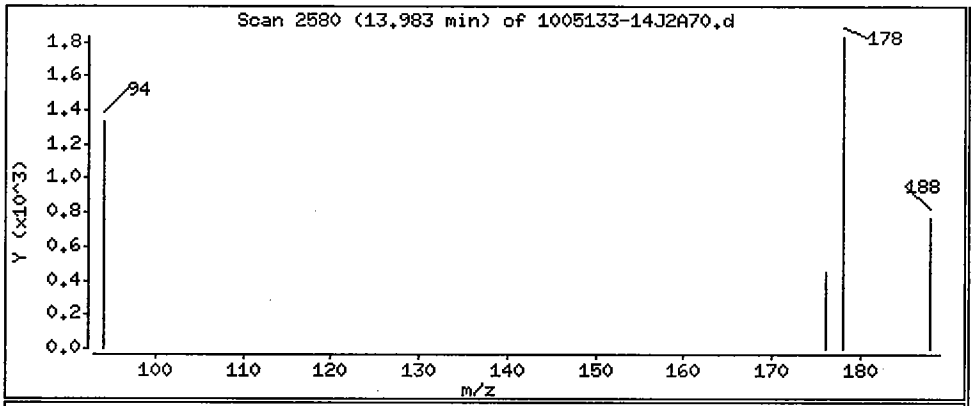
Client ID: SS88-0-1 Instrument: 5972hp70.i

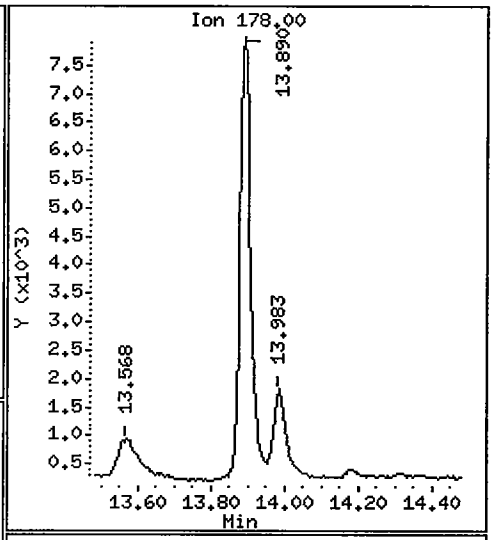
Sample Info: 1005133-14:OWS

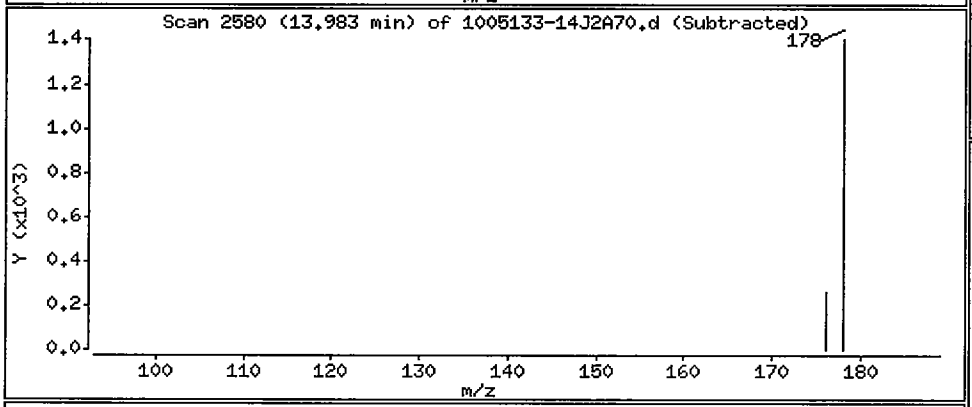
Volume Injected (uL): 2.0 Operator: OWS

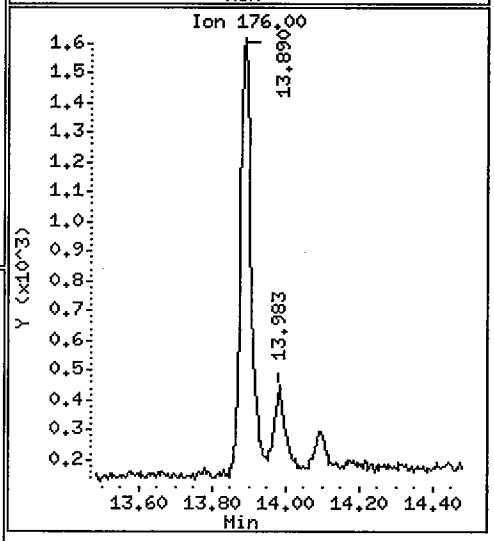
Column phase: Rtx-5MS Column diameter: 0.32

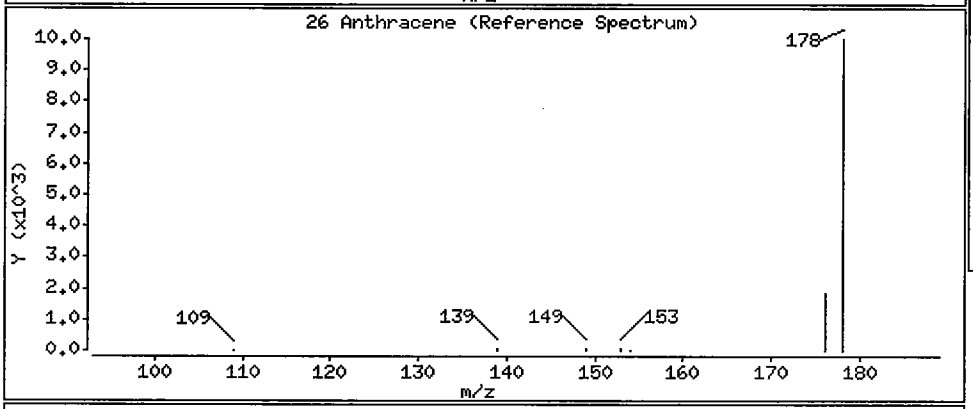
26 Anthracene Concentration: 0.62 ug/Kg

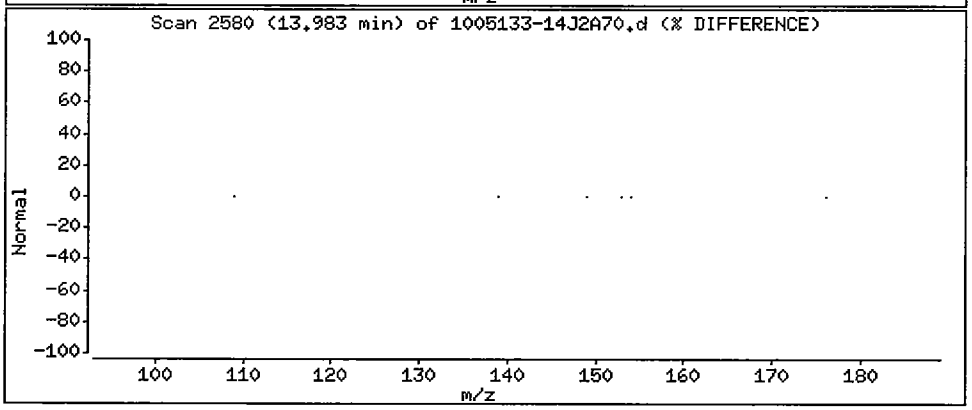












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-14J2A70.d

Date : 01-JUL-2010 16:48

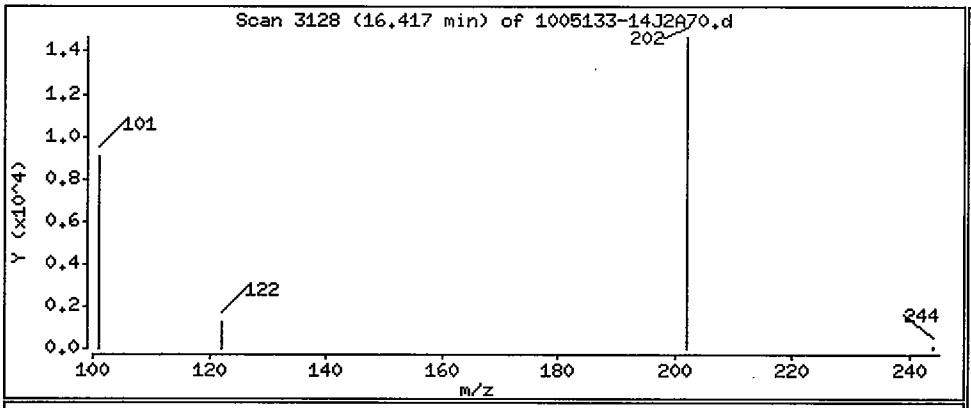
Client ID: SS88-0-1 Instrument: 5972hp70.i

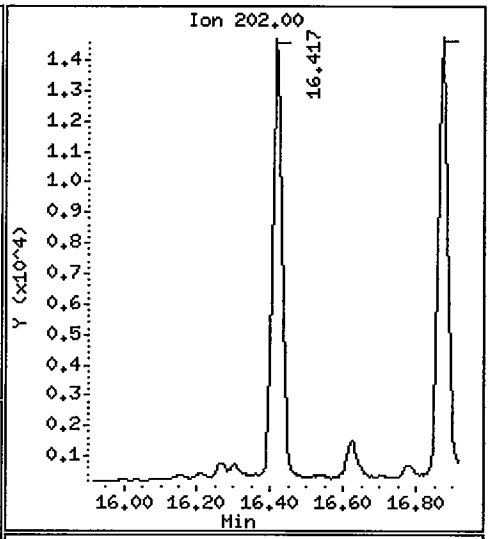
Sample Info: 1005133-14:OWS

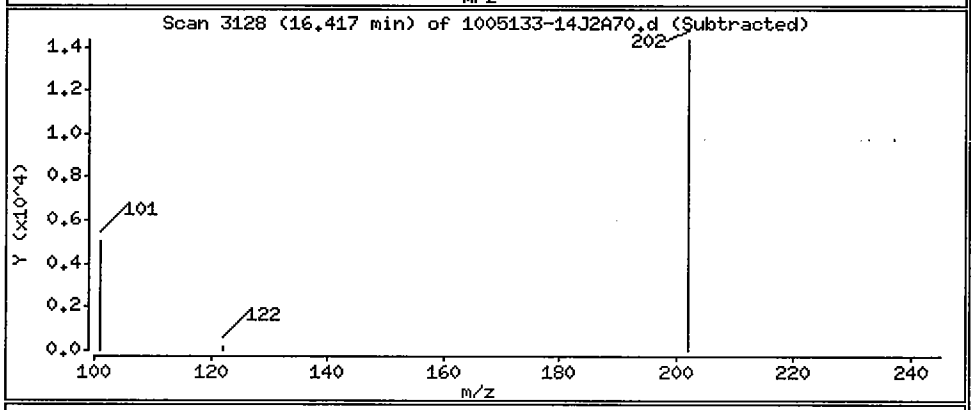
Volume Injected (uL): 2.0 Operator: OWS

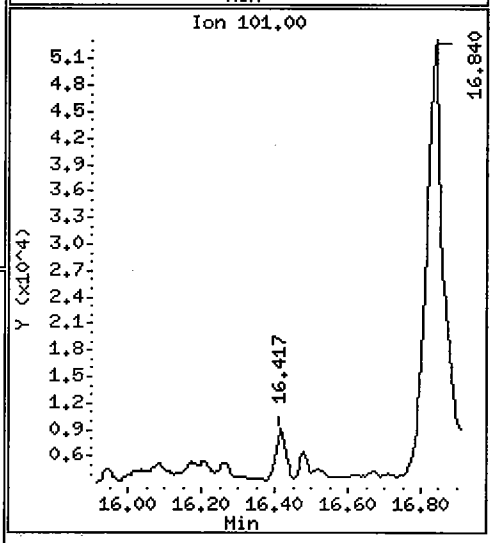
Column phase: Rtx-5MS Column diameter: 0.32

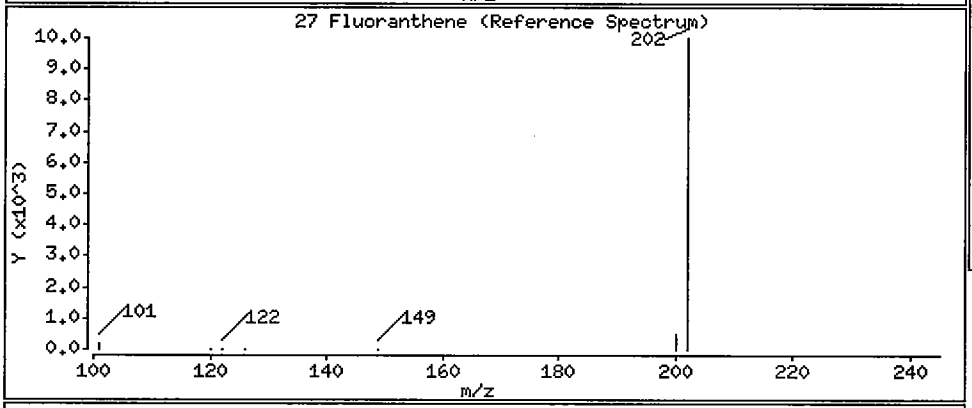
27 Fluoranthene Concentration: 3.9 ug/Kg

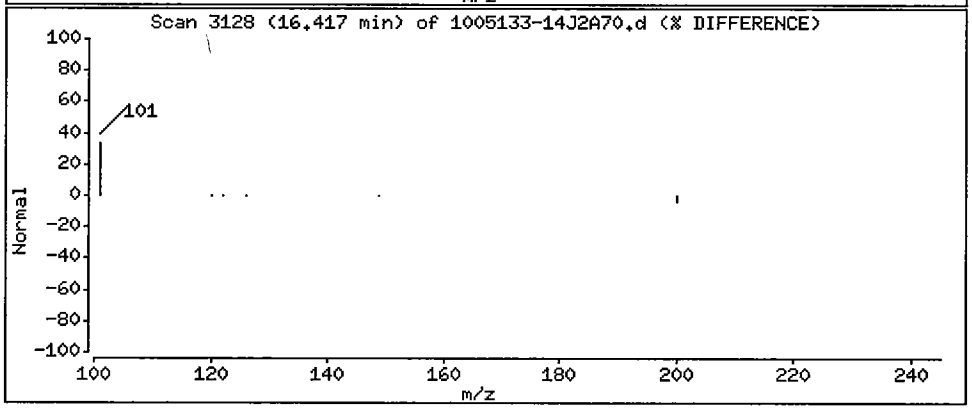












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-14J2A70.d

Date : 01-JUL-2010 16:48

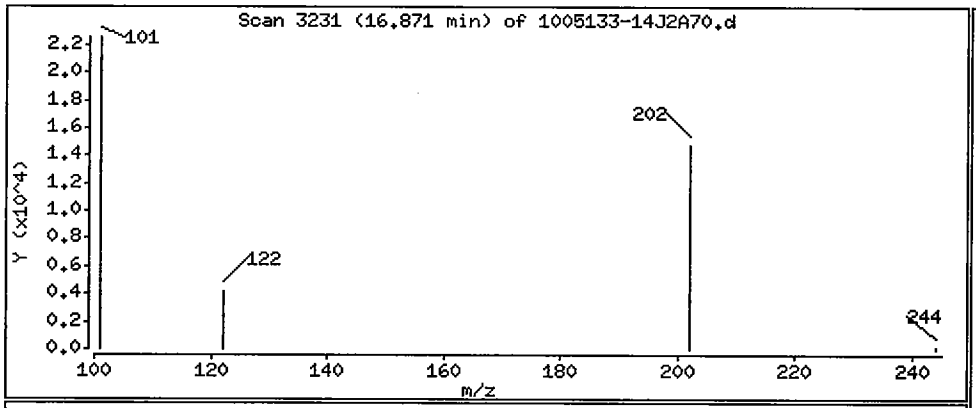
Client ID: SS88-0-1 Instrument: 5972hp70.i

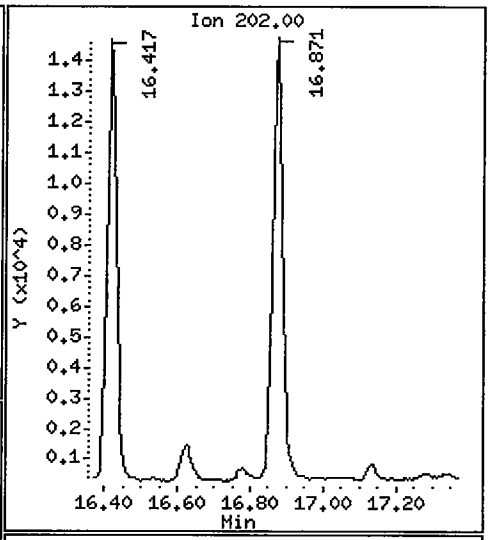
Sample Info: 1005133-14:OWS

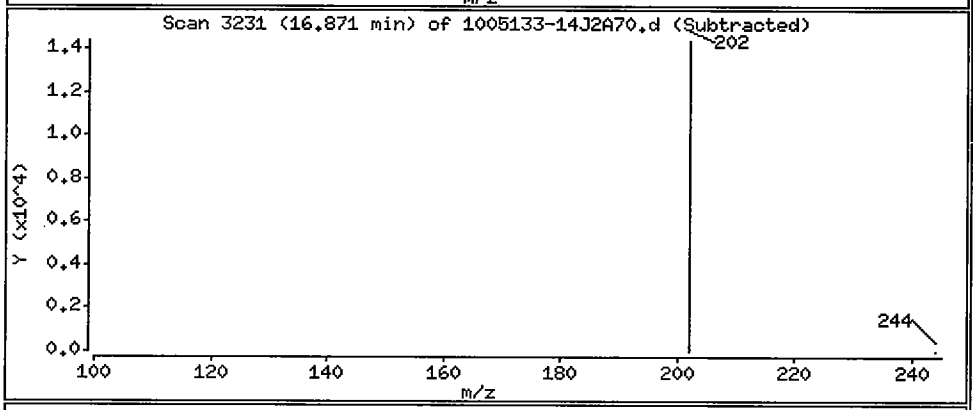
Volume Injected (uL): 2.0 Operator: OWS

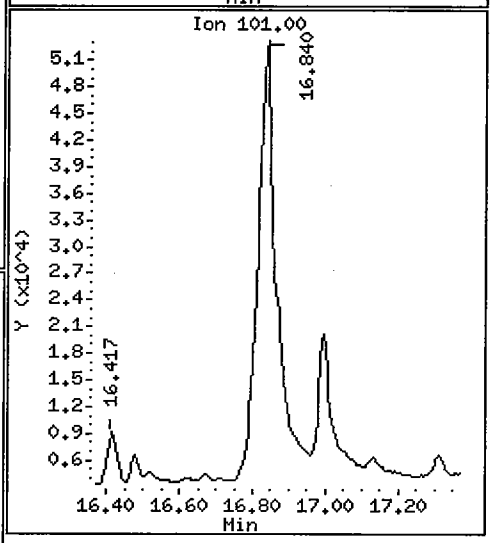
Column phase: Rtx-5MS Column diameter: 0.32

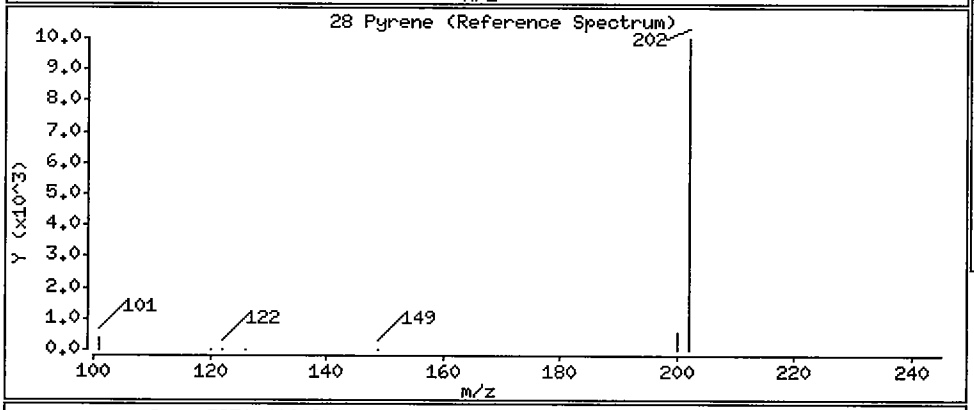
28 Pyrene Concentration: 3.5 ug/Kg

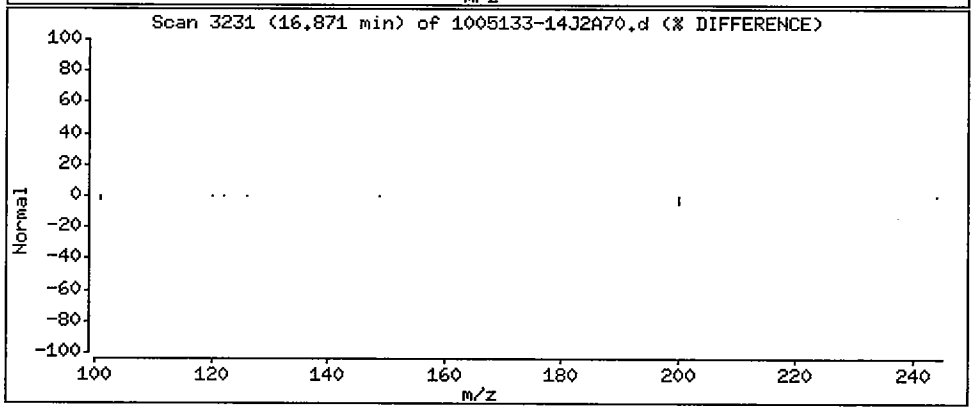












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-14J2A70.d

Date : 01-JUL-2010 16:48

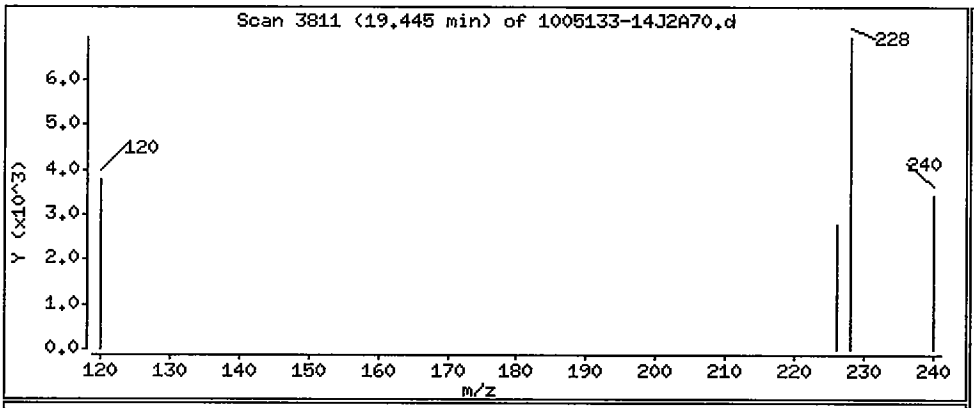
Client ID: SS88-0-1 Instrument: 5972hp70.i

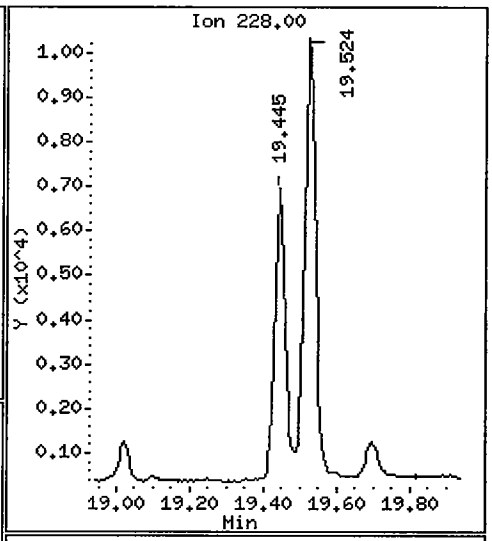
Sample Info: 1005133-14:OWS

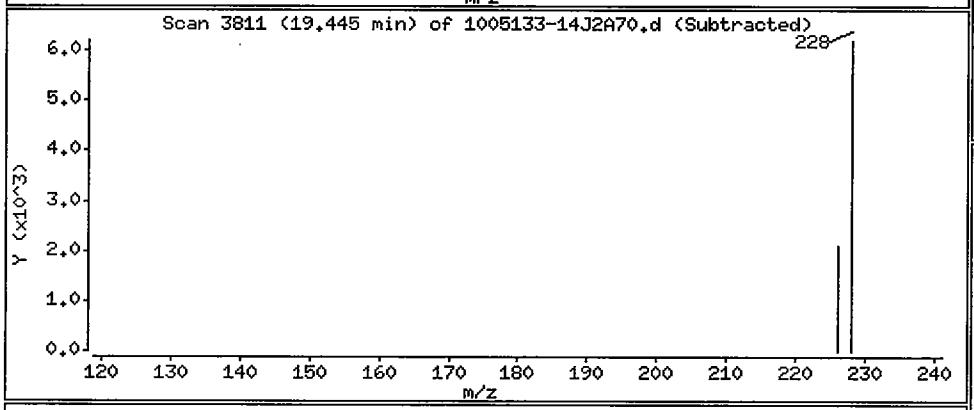
Volume Injected (uL): 2.0 Operator: OWS

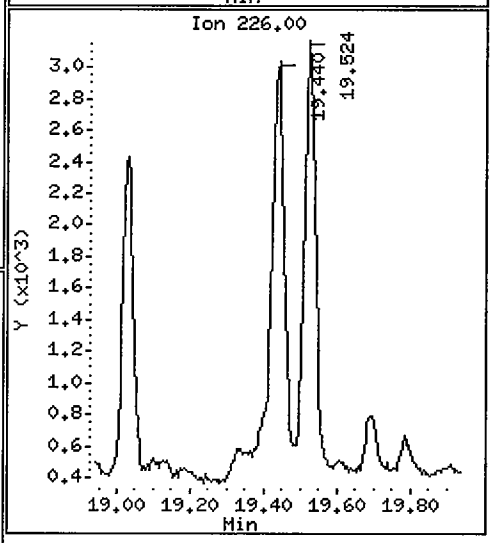
Column phase: Rtx-5MS Column diameter: 0.32

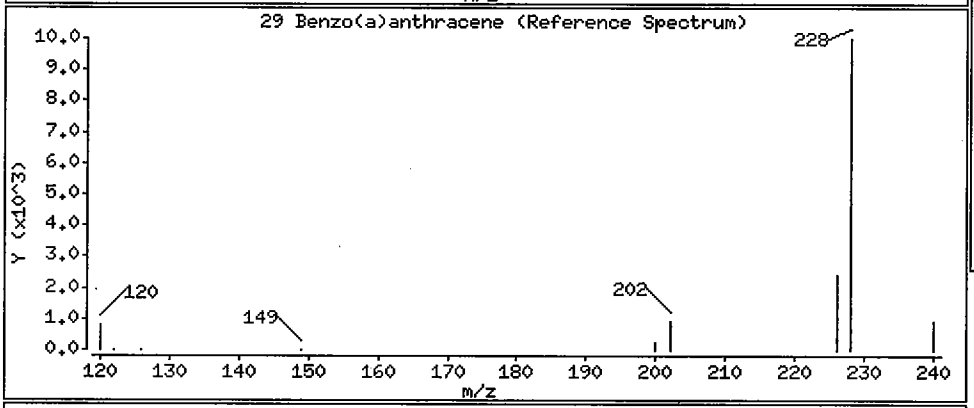
29 Benzo(a)anthracene Concentration: 2.3 ug/Kg

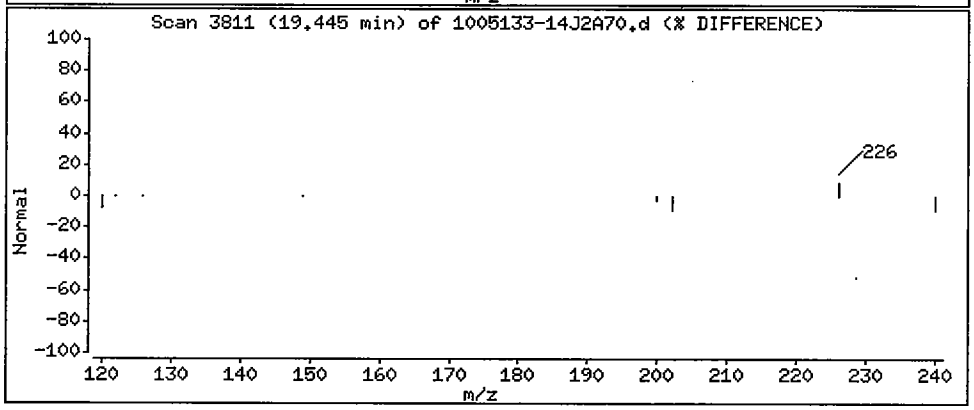












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-14J2A70.d

Date : 01-JUL-2010 16:48

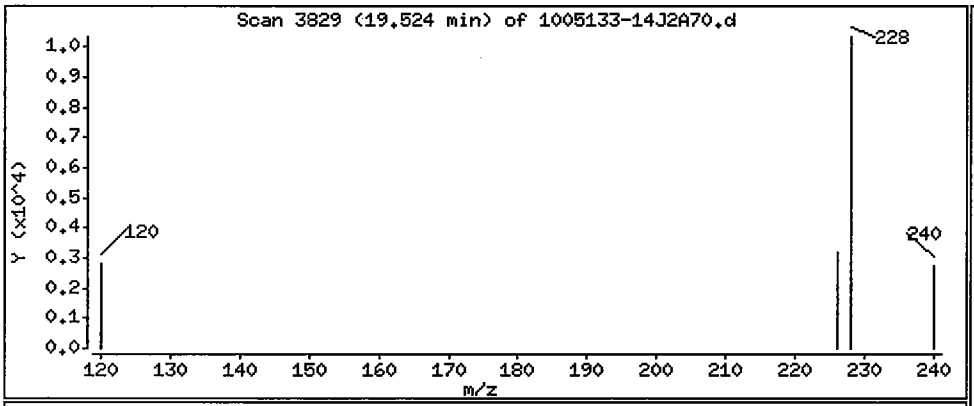
Client ID: SS88-0-1 Instrument: 5972hp70.i

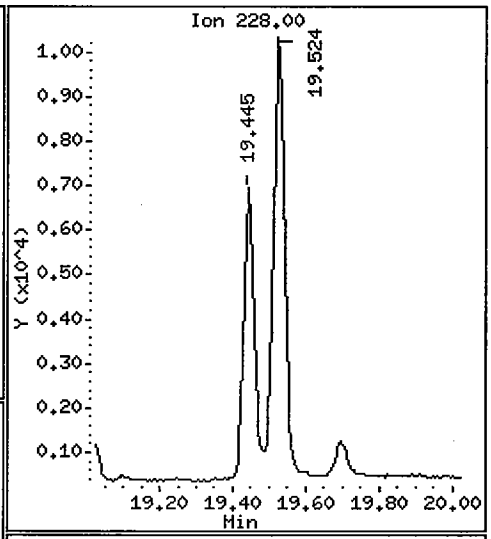
Sample Info: 1005133-14:OWS

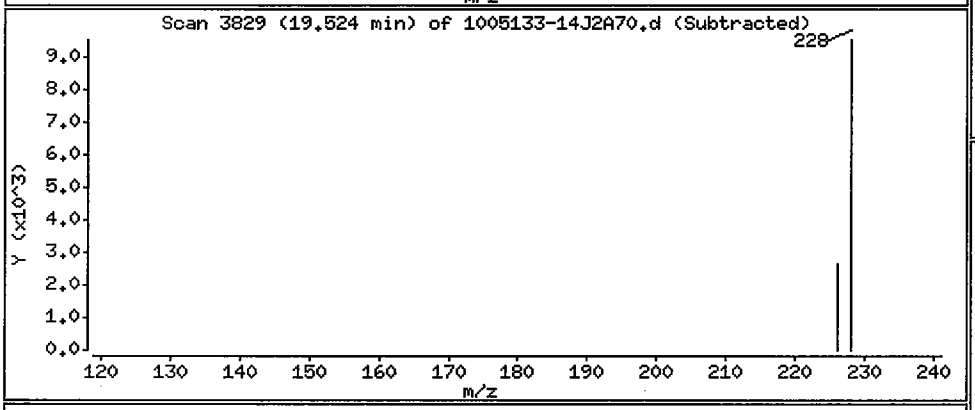
Volume Injected (uL): 2.0 Operator: OWS

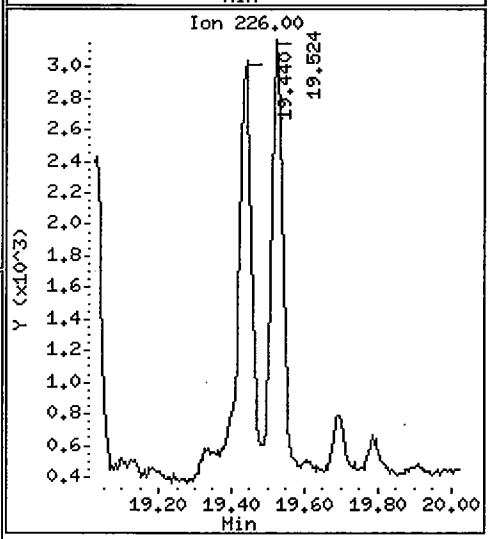
Column phase: Rtx-5MS Column diameter: 0.32

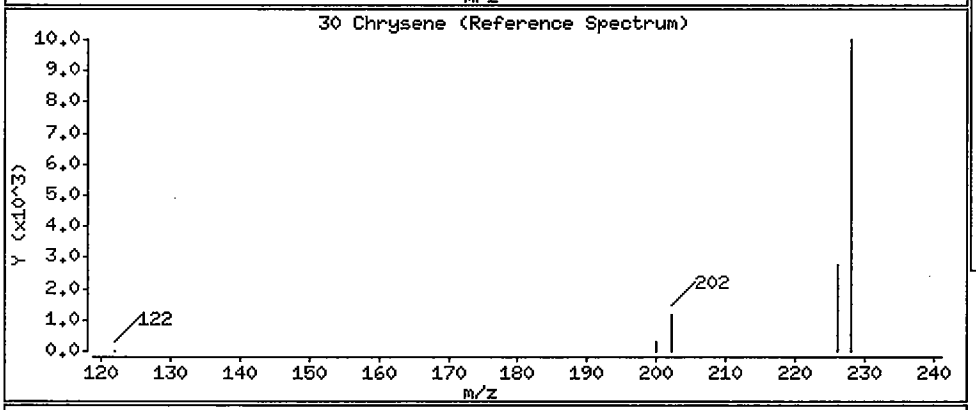
30 Chrysene Concentration: 3.2 ug/Kg

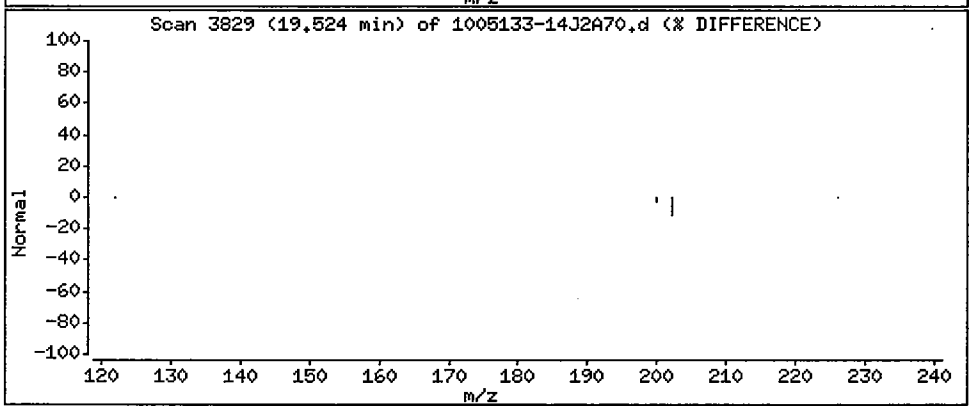












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-14J2A70.d

Date : 01-JUL-2010 16:48

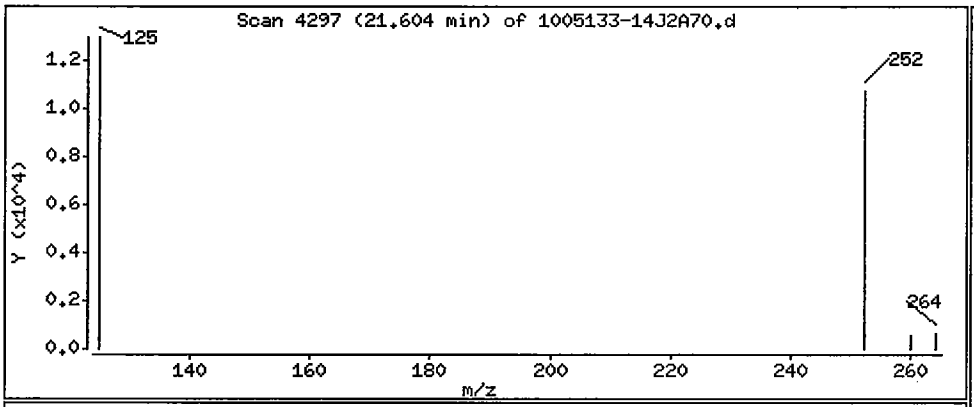
Client ID: SS88-0-1 Instrument: 5972hp70.i

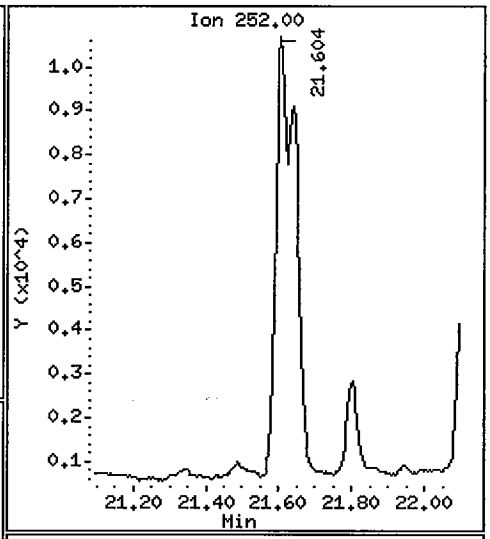
Sample Info: 1005133-14:OWS

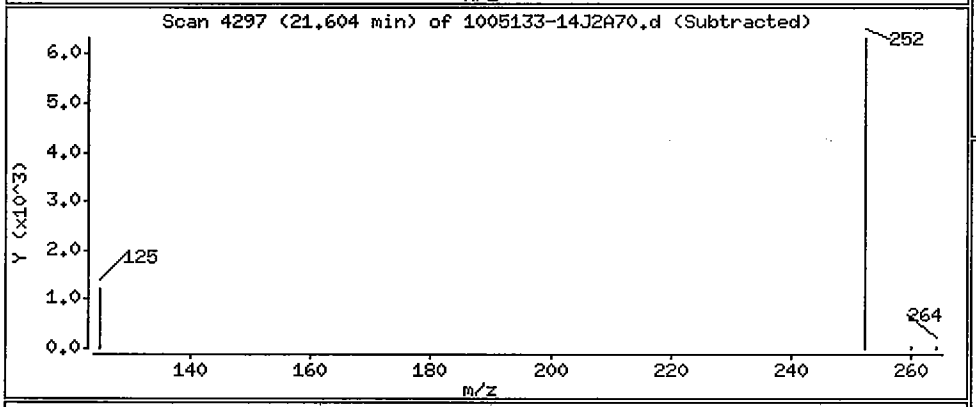
Volume Injected (uL): 2.0 Operator: OWS

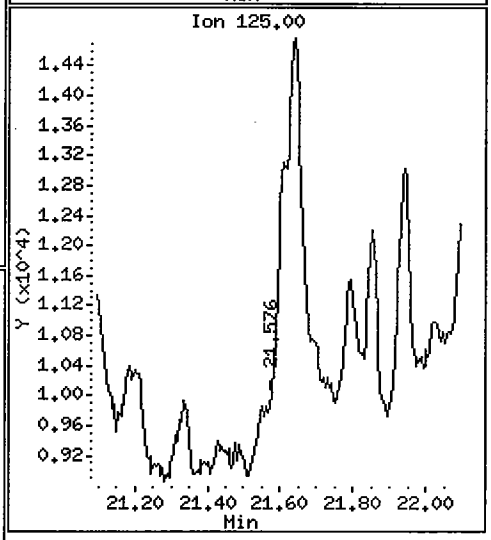
Column phase: Rtx-5MS Column diameter: 0.32

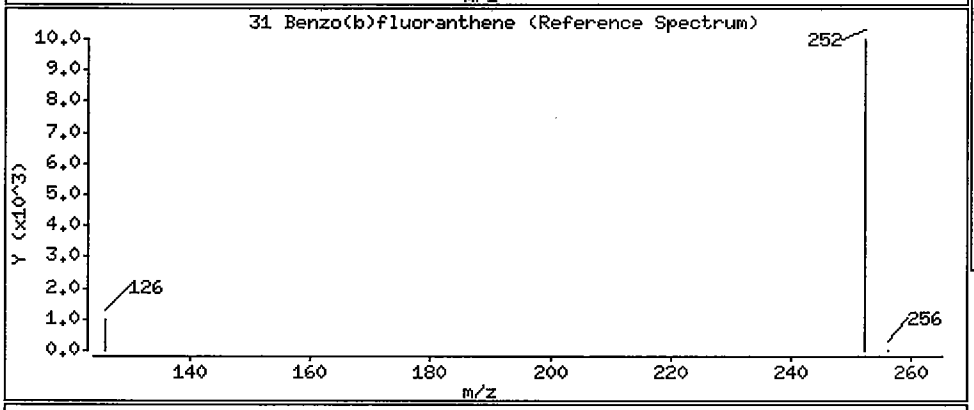
31 Benzo(b)fluoranthene Concentration: 3.1 ug/Kg

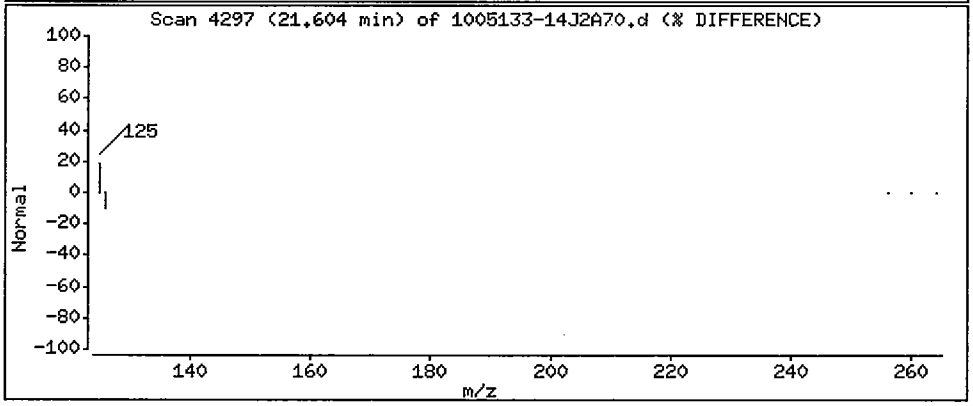












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-14J2A70.d

Date : 01-JUL-2010 16:48

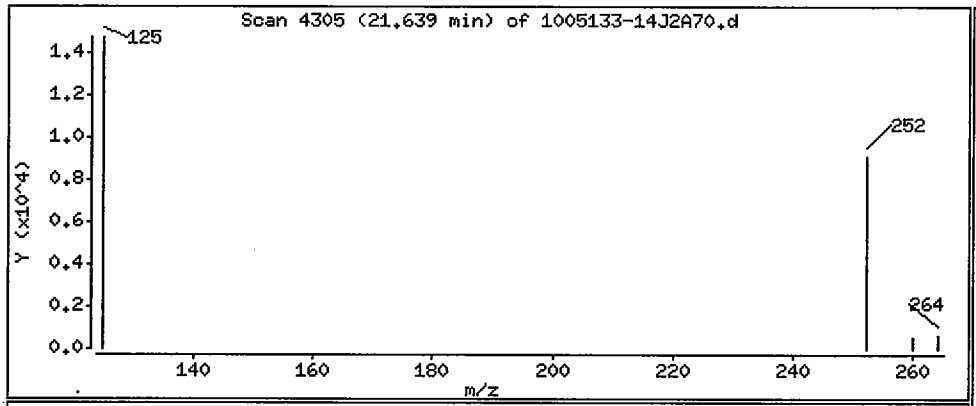
Client ID: SS88-0-1 Instrument: 5972hp70.i

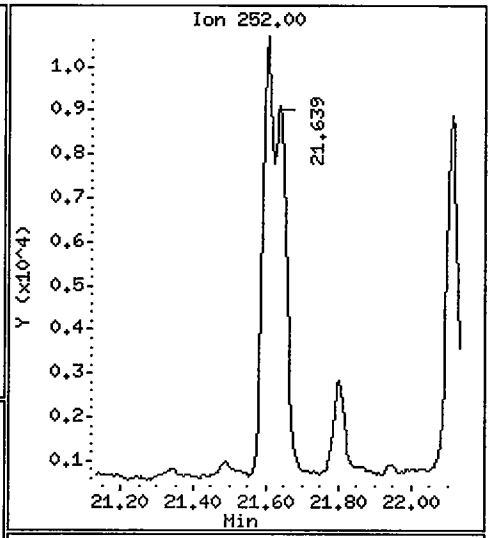
Sample Info: 1005133-14:OWS

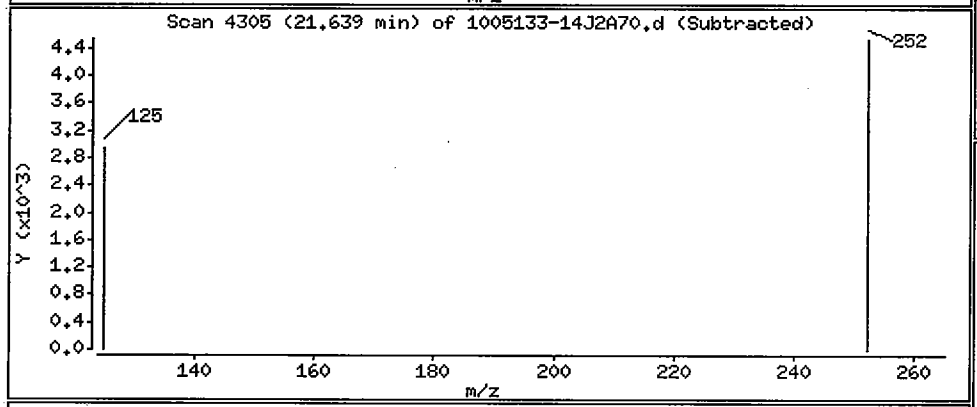
Volume Injected (uL): 2.0 Operator: OWS

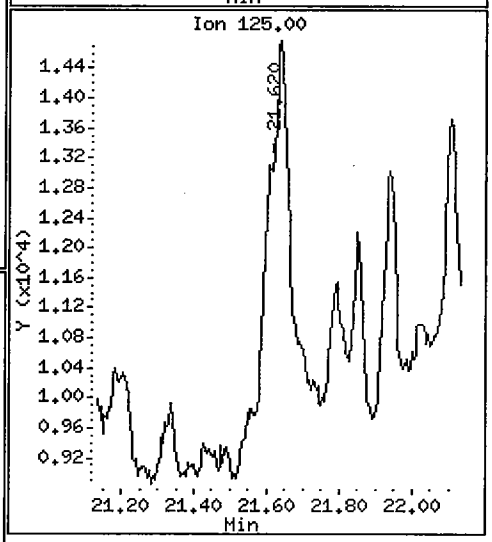
Column phase: Rtx-5MS Column diameter: 0.32

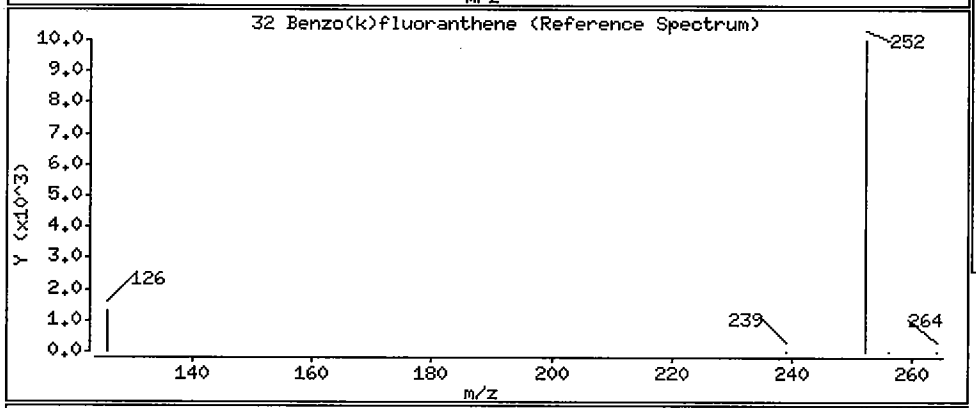
32 Benzo(k)fluoranthene Concentration: 2.4 ug/Kg

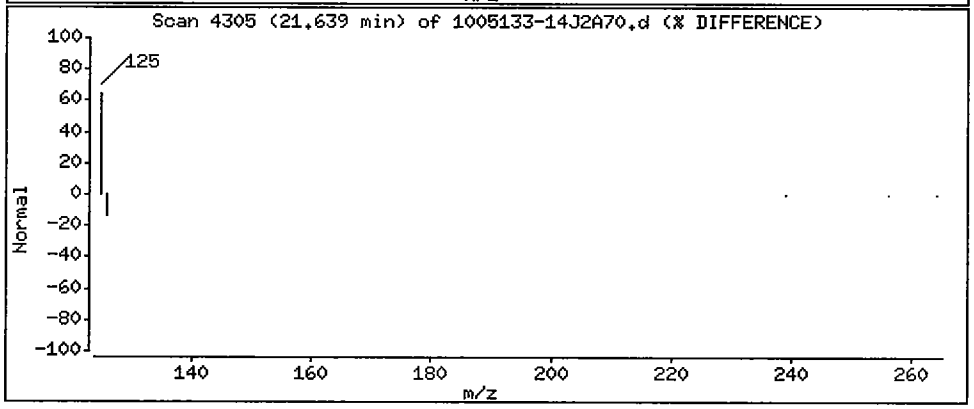












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-14J2A70.d

Date : 01-JUL-2010 16:48

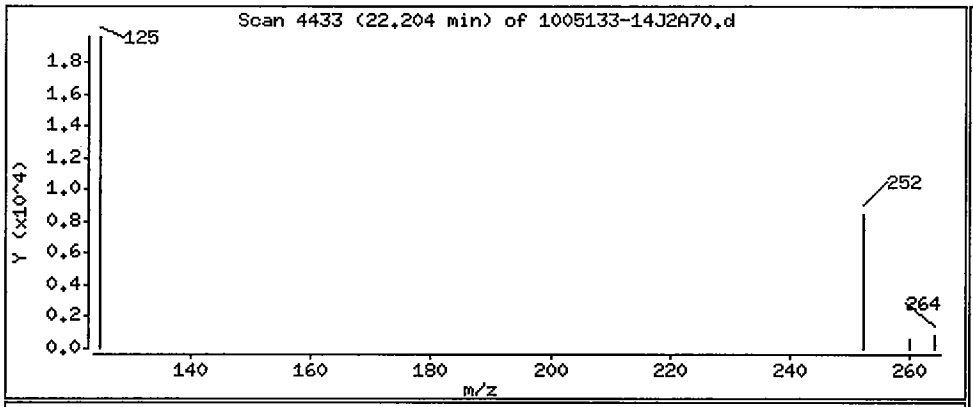
Client ID: SS88-0-1 Instrument: 5972hp70.i

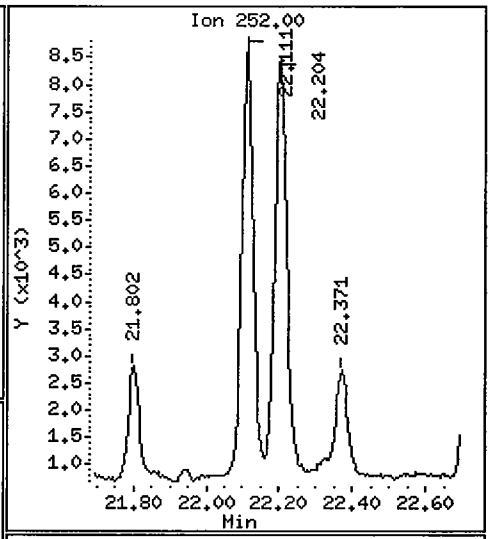
Sample Info: 1005133-14:OWS

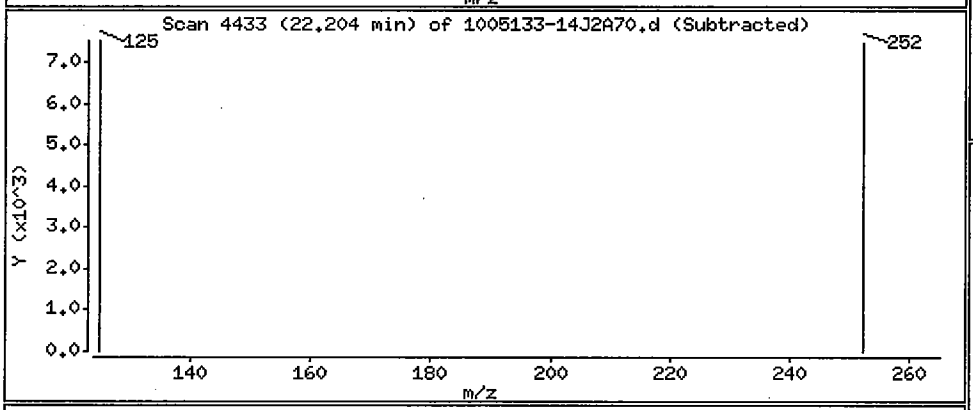
Volume Injected (uL): 2.0 Operator: OWS

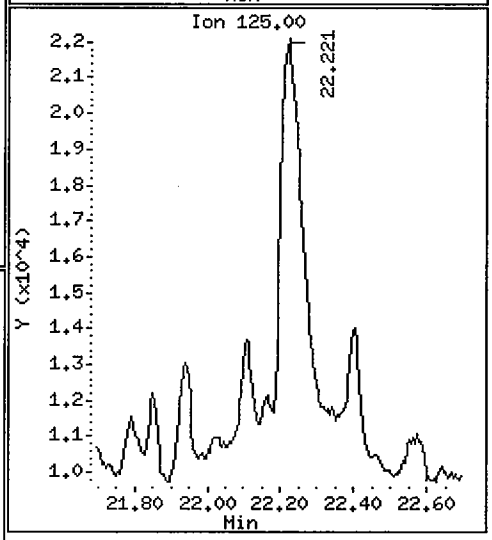
Column phase: Rtx-5MS Column diameter: 0.32

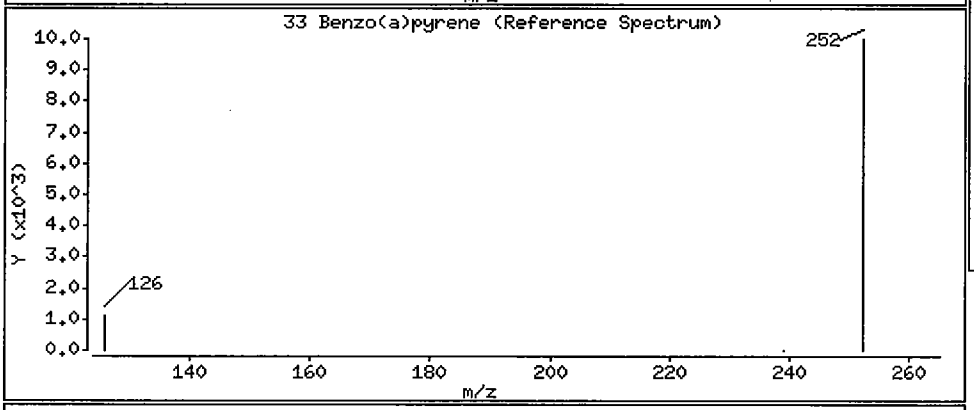
33 Benzo(a)pyrene Concentration: 2.8 ug/Kg

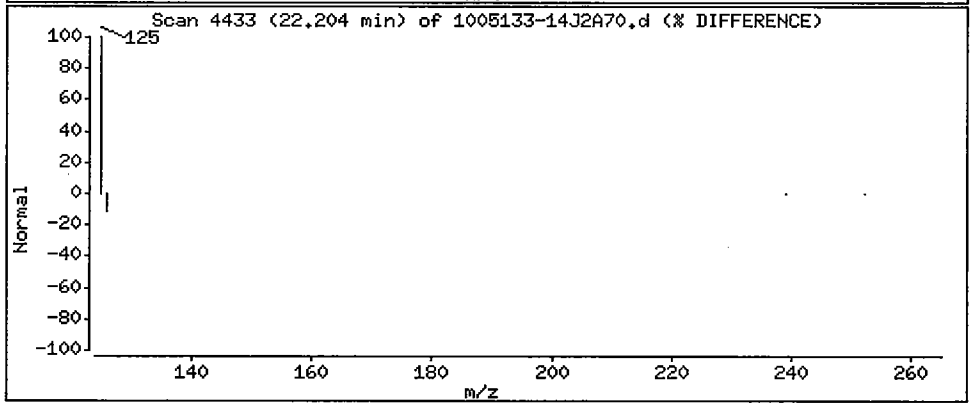












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-14J2A70.d

Date : 01-JUL-2010 16:48

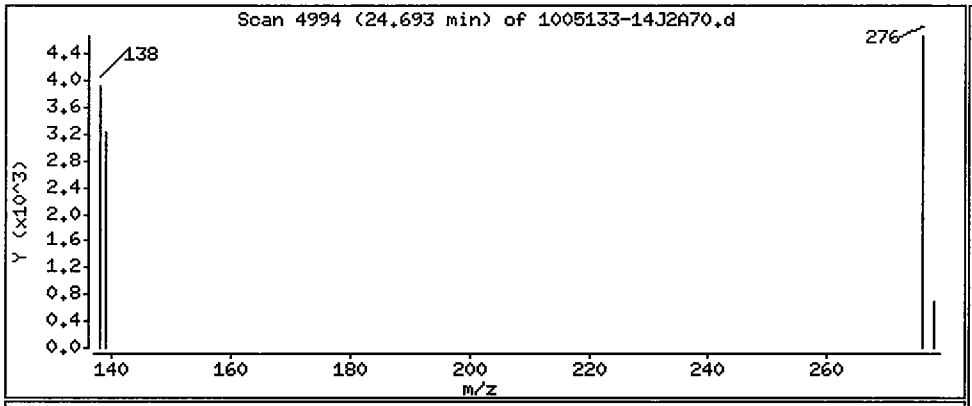
Client ID: SS88-0-1 Instrument: 5972hp70.i

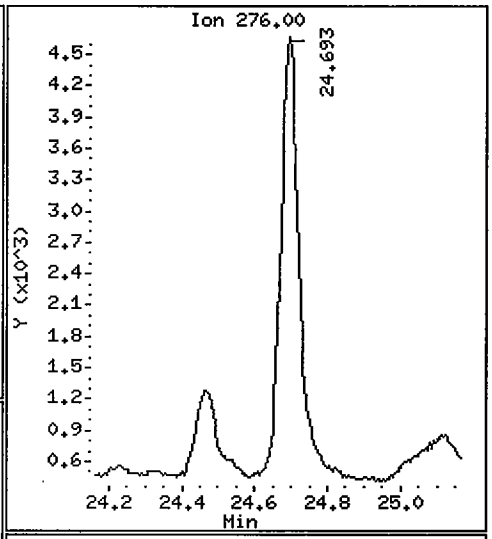
Sample Info: 1005133-14:OWS

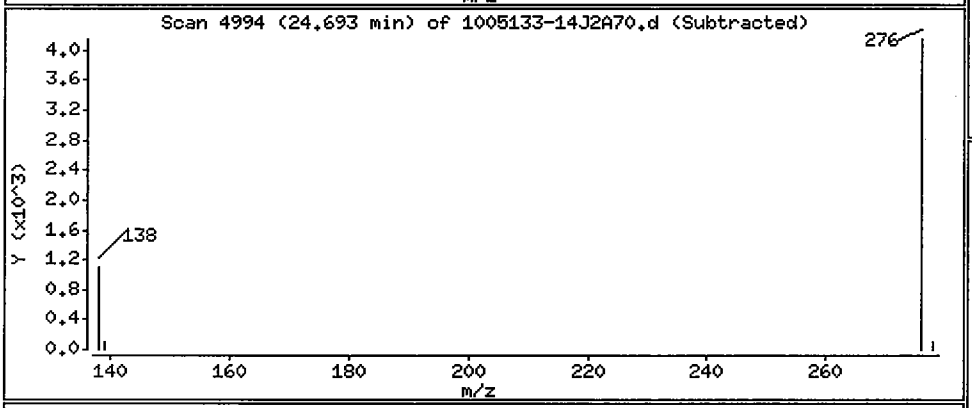
Volume Injected (uL): 2.0 Operator: OWS

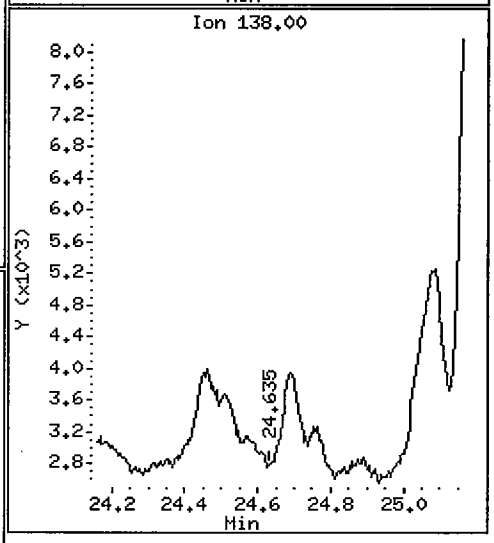
Column phase: Rtx-5MS Column diameter: 0.32

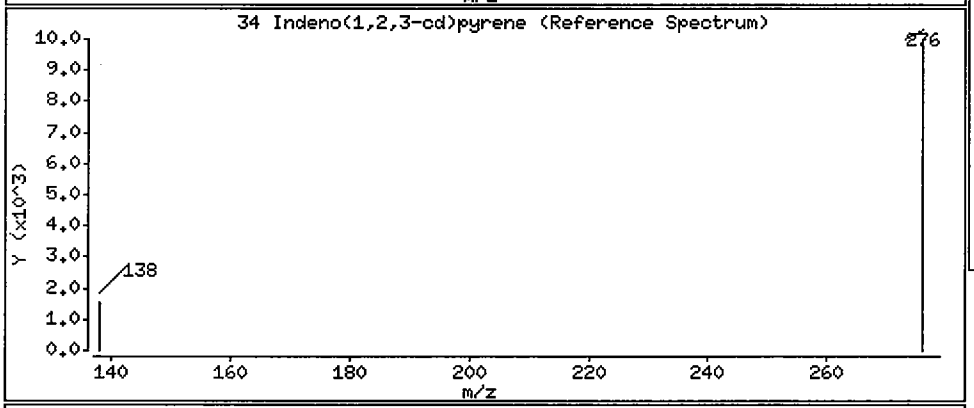
34 Indeno(1,2,3-cd)pyrene Concentration: 6.7 ug/Kg

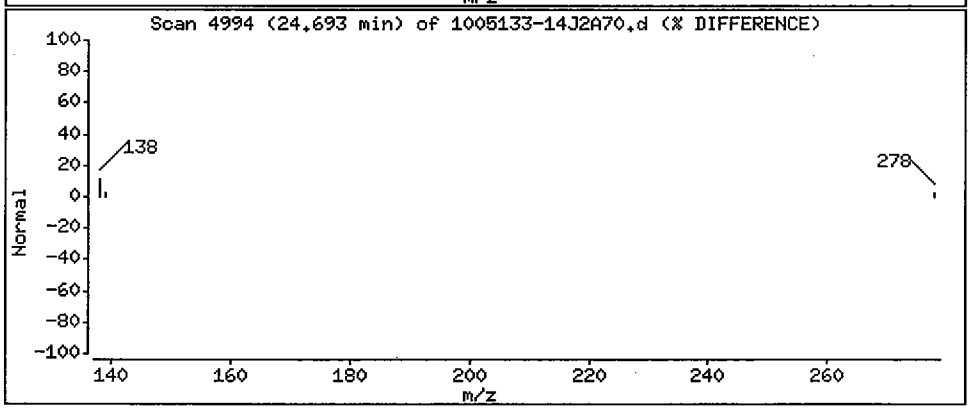












Data File: /chem/5972hp70.i/DS100701A70.b/1005133-14J2A70.d

Date : 01-JUL-2010 16:48

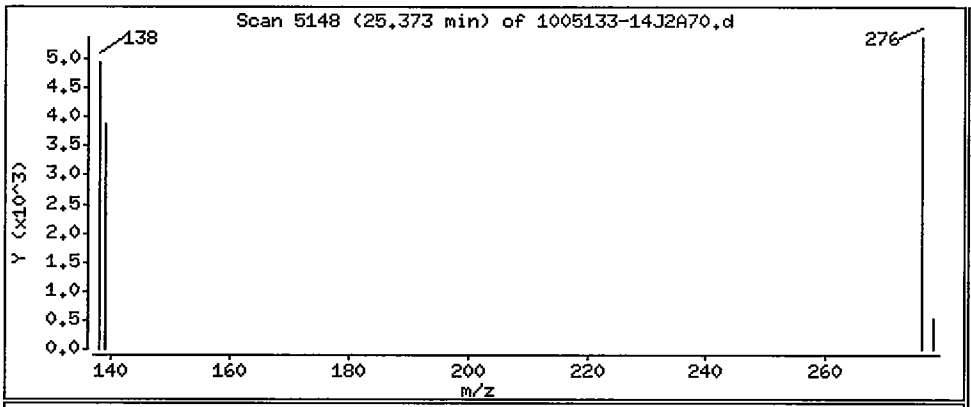
Client ID: SS88-0-1 Instrument: 5972hp70.i

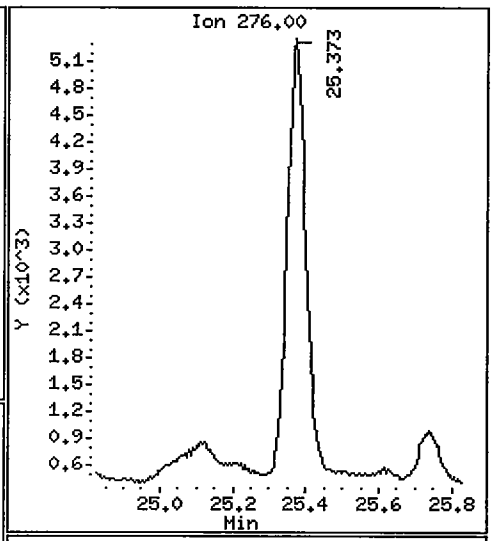
Sample Info: 1005133-14:OWS

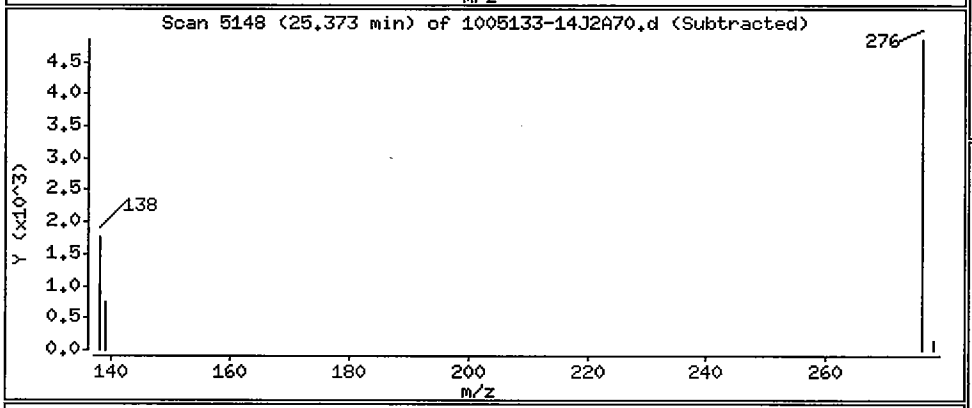
Volume Injected (uL): 2.0 Operator: OWS

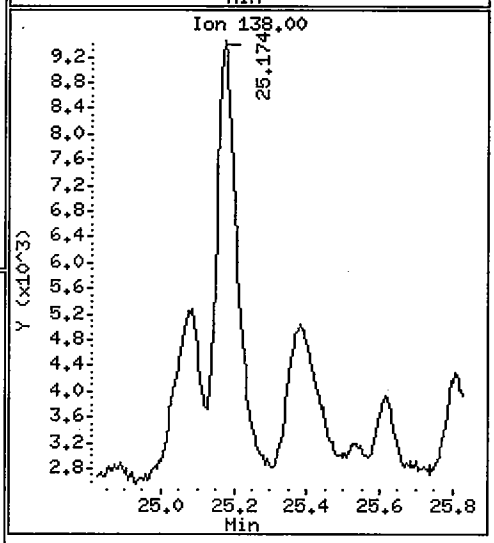
Column phase: Rtx-5MS Column diameter: 0.32

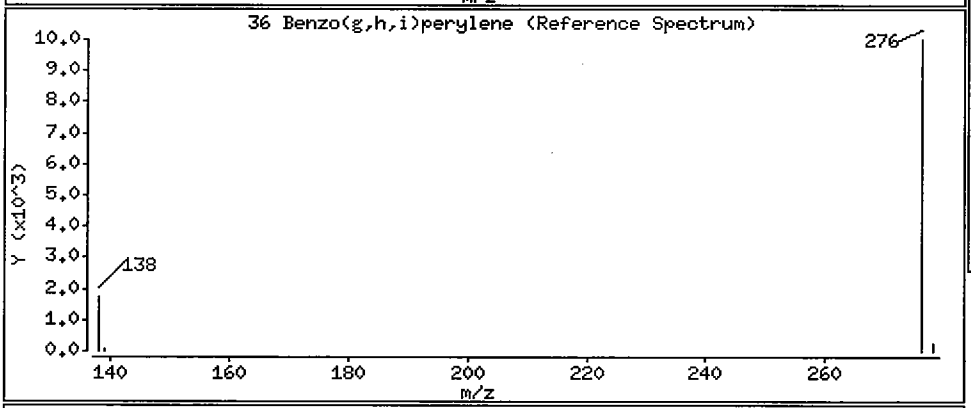
36 Benzo(g,h,i)perylene Concentration: 2.9 ug/Kg

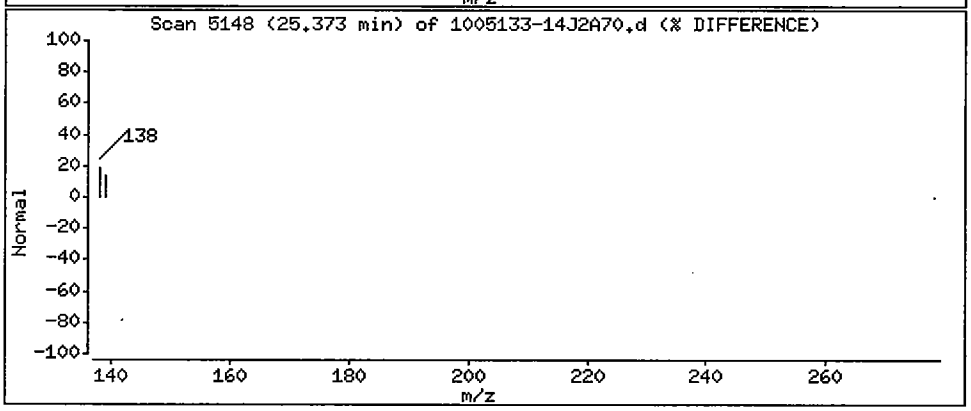












3. Standards Data

a. Initial Calibration Data (Form VI SV)

b. Continuing Calibration Data (Form VII SV)

a. Initial Calibration Data (Form VI SV)

If more than one instrument is used, forms shall be arranged in order by instrument. Multiple initial calibrations from the same instrument shall be in chronological order. Within each initial calibration, the standards are in order by level, from lowest to highest.

(1) Chromatograms and quantitation reports for the initial (five-point) calibration.
Spectra not required.

(2) EICPs displaying each manual integration.

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: 5972HP66 Calibration Date(s): 05/25/10 05/25/10

Column: RTX-5MS ID: 0.32 (mm) Calibration Time(s): 0601 0816

LAB FILE ID: RF0.4: 0E25001-CALRF1.2: 0E25001-CALRF3: 0E25001-CAL3C
RF5: 0E25001-CAL4CRF10: 0E25001-CAL5

COMPOUND	RF0.4	RF1.2	RF3	RF5	RF10
Naphthalene	1.336	1.232	1.203	1.227	1.187
2-Methylnaphthalene	1.514	1.368	1.333	1.434	1.510
Acenaphthylene	2.329	2.103	2.170	2.345	2.222
Acenaphthene	1.345	1.283	1.276	1.362	1.278
Fluorene	0.920	0.852	0.902	0.929	1.076
Phenanthrene	1.257	1.224	1.234	1.266	1.254
Anthracene	1.113	1.079	1.108	1.166	1.143
Fluoranthene	1.259	1.240	1.322	1.342	1.468
Pyrene	1.382	1.385	1.435	1.451	1.568
Benzo(a)anthracene	1.047	1.069	1.114	1.124	1.082
Chrysene	1.184	1.172	1.171	1.195	1.165
Benzo(b)fluoranthene	1.264	1.307	1.309	1.344	1.370
Benzo(k)fluoranthene	1.426	1.364	1.448	1.422	1.437
Benzo(a)pyrene	1.103	1.133	1.223	1.243	1.242
Indeno(1,2,3-cd)pyrene	0.982	1.023	1.058	1.106	1.074
Dibenzo(a,h)anthracene	0.975	1.031	1.043	1.076	1.062
Benzo(g,h,i)perylene	1.145	1.149	1.170	1.165	1.183
Nitrobenzene-d5	0.425	0.446	0.430	0.469	0.455
2-Fluorobiphenyl	1.885	2.209	2.161	1.791	2.388
Terphenyl-d14	0.709	0.705	0.741	0.724	0.755

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: 5972HP66 Calibration Date(s): 05/25/10 05/25/10

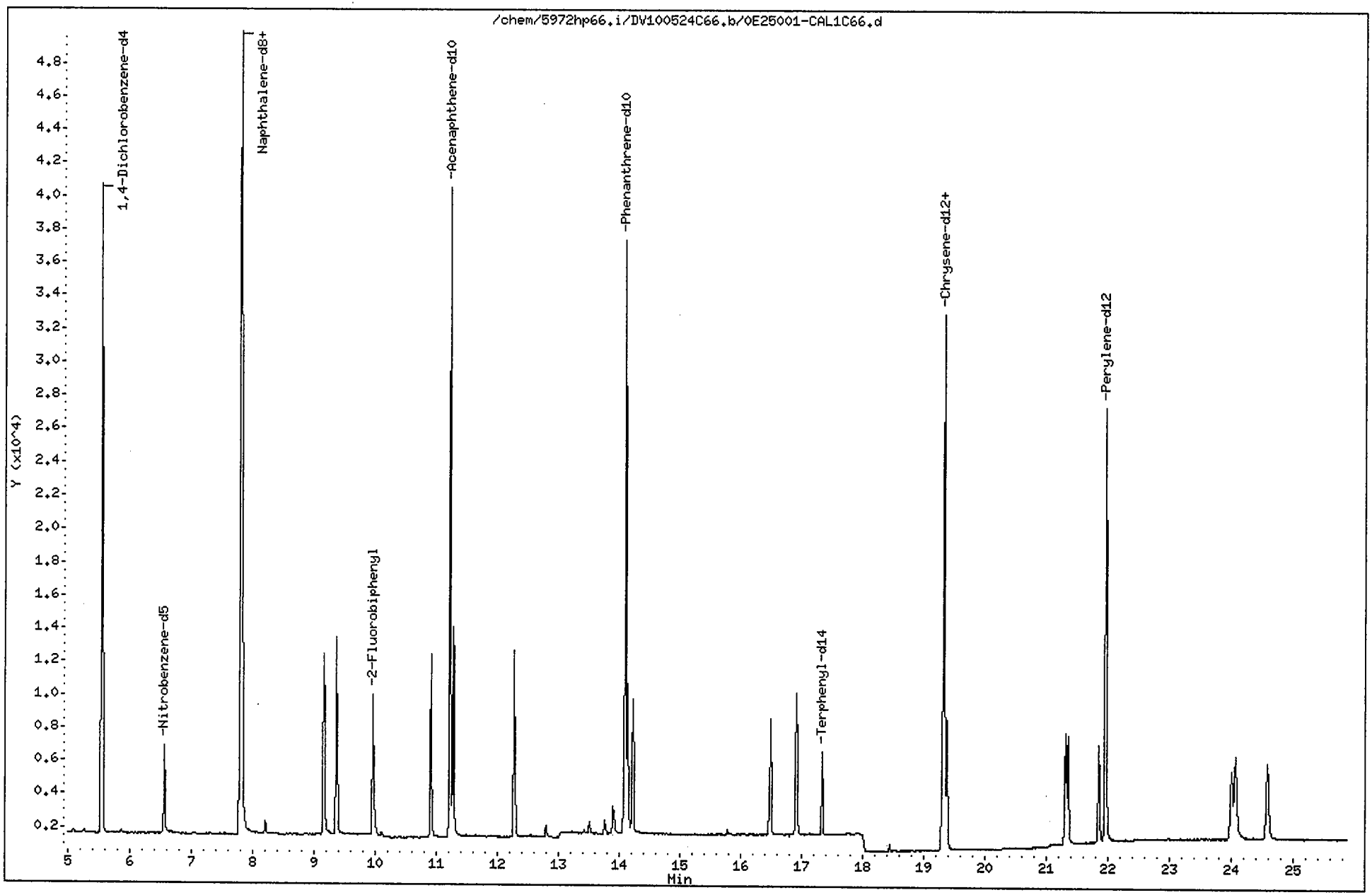
Column: RTX-5MS ID: 0.32 (mm) Calibration Time(s): 0601 0816

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2
Naphthalene	AVRG	1.23709039	4.686	15.000
2-Methylnaphthalene	AVRG	1.43192718	5.709	15.000
Acenaphthylene	AVRG	2.23404611	4.628	15.000
Acenaphthene	AVRG	1.30892901	3.163	30.000
Fluorene	AVRG	0.93602321	8.970	15.000
Phenanthrene	AVRG	1.24712484	1.393	15.000
Anthracene	AVRG	1.12176747	3.022	15.000
Fluoranthene	AVRG	1.32618091	6.795	30.000
Pyrene	AVRG	1.44424098	5.249	15.000
Benzo(a)anthracene	AVRG	1.08720605	2.923	15.000
Chrysene	AVRG	1.17758875	1.029	15.000
Benzo(b)fluoranthene	AVRG	1.31897490	3.040	15.000
Benzo(k)fluoranthene	AVRG	1.41939457	2.307	15.000
Benzo(a)pyrene	AVRG	1.18861343	5.540	30.000
Indeno(1,2,3-cd)pyrene	AVRG	1.04861310	4.548	15.000
Dibenzo(a,h)anthracene	AVRG	1.03728761	3.747	15.000
Benzo(g,h,i)perylene	AVRG	1.16224716	1.330	15.000
Nitrobenzene-d5	AVRG	0.44503818	4.056	15.000
2-Fluorobiphenyl	AVRG	2.08703947	11.716	15.000
Terphenyl-d14	AVRG	0.72668507	2.913	15.000

FORM VI SV

Data File: /chem/5972hp66.i/DV100524C66.b/0E25001-CAL1C66.d
Date : 25-MAY-2010 07:09
Client ID: SSTD0.40Y2
Sample Info: SSTD0.40Y2:2743
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: 2743
Column diameter: 0.32



Data File: /chem/5972hp66.i/DV100524C66.b/0E25001-CAL1C66.d
Report Date: 25-May-2010 09:02

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DV100524C66.b/0E25001-CAL1C66.d
Lab Smp Id: 0E25001-CAL1 Client Smp ID: SSTD0.40Y2
Inj Date : 25-MAY-2010 07:09
Operator : 2743 Inst ID: 5972hp66.i
Smp Info : SSTD0.40Y2:2743
Misc Info : SSTD0.40Y2
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DV100524C66.b/SIM_8270Cv2DOD.m
Meth Date : 25-May-2010 08:59 perry Quant Type: ISTD
Cal Date : 25-MAY-2010 07:09 Cal File: 0E25001-CAL1C66.d
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

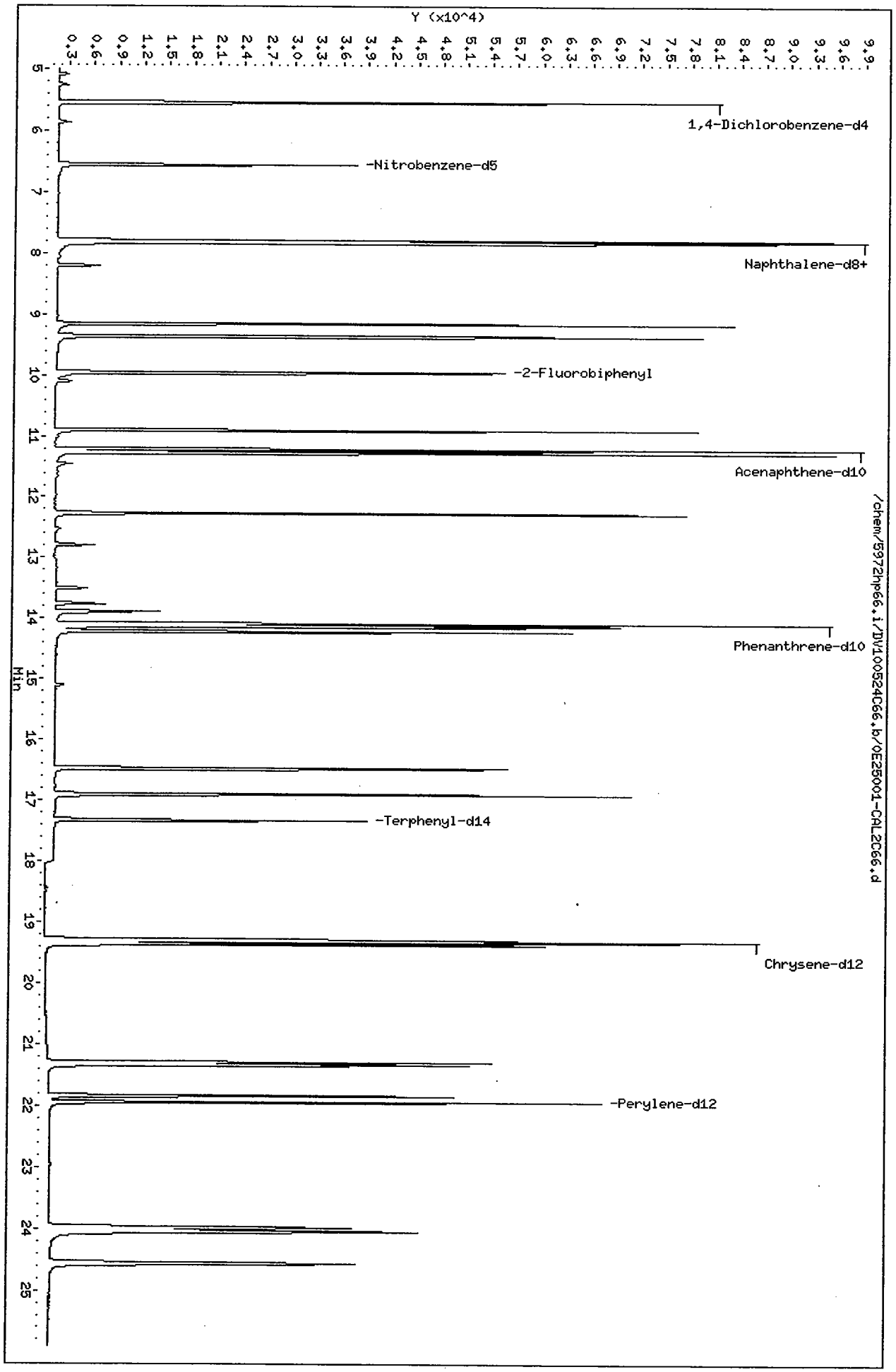
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	5.544	5.547	(1.000)	21673	2.00000	
*	2 Naphthalene-d8	136	7.799	7.802	(1.000)	68713	2.00000	
*	3 Acenaphthene-d10	164	11.217	11.218	(1.000)	28135	2.00000	
*	4 Phenanthrene-d10	188	14.088	14.087	(1.000)	47752	2.00000	
*	5 Chrysene-d12	240	19.318	19.319	(1.000)	42145	2.00000	
*	6 Perylene-d12	264	21.950	21.949	(1.000)	36854	2.00000	
$	9 Nitrobenzene-d5	82	6.561	6.563	(0.841)	5841	0.40000	0.40
$	10 2-Fluorobiphenyl	172	9.963	9.952	(0.888)	10609	0.40000	0.37
$	12 Terphenyl-d14	244	17.334	17.333	(0.897)	5977	0.40000	0.39
	13 Naphthalene	128	7.825	7.828	(1.003)	18354	0.40000	0.42
	15 2-Methylnaphthalene	141	9.155	9.157	(0.816)	8519	0.40000	0.43
	17 Acenaphthylene	152	10.904	10.905	(0.972)	13107	0.40000	0.41
	18 Acenaphthene	154	11.269	11.270	(1.005)	7568	0.40000	0.41
	21 Fluorene	166	12.273	12.274	(0.871)	8792	0.40000	0.40
	25 Phenanthrene	178	14.127	14.126	(1.003)	12002	0.40000	0.40

TM 5/28/10

Data File: /chem/5972hp66.i/DV100524C66.b/0E25001-CAL1C66.d
Report Date: 25-May-2010 09:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	14.218	14.217	(1.009)	10627	0.40000	0.40
27 Fluoranthene	202	16.487	16.486	(0.853)	10612	0.40000	0.39
28 Pyrene	202	16.904	16.903	(0.875)	11647	0.40000	0.39
29 Benzo(a)anthracene	228	19.292	19.293	(0.999)	8829	0.40000	0.39
30 Chrysene	228	19.370	19.371	(1.003)	9984	0.40000	0.40
31 Benzo(b)fluoranthene	252	21.297	21.296	(0.970)	9319	0.40000	0.39
32 Benzo(k)fluoranthene	252	21.340	21.339	(0.972)	10515	0.40000	0.40
33 Benzo(a)pyrene	252	21.841	21.840	(0.995)	8130	0.40000	0.38
34 Indeno(1,2,3-cd)pyrene	276	23.996	23.995	(1.093)	7238	0.40000	0.39
35 Dibenzo(a,h)anthracene	278	24.061	24.061	(1.096)	7186	0.40000	0.39
36 Benzo(g,h,i)perylene	276	24.573	24.572	(1.119)	8441	0.40000	0.40


Data File: /chem/5972hp66.i/DV100524C66.b/0E25001-CAL2C66.d
Date : 25-MAY-2010 08:16
Client ID: SSTD1.20Y2
Sample Info: SSTD1.20Y2:2743
Volume Injected (uL): 2.0
Column phase: Rtx-5MS
Instrument: 5972hp66.i
Operator: 2743
Column diameter: 0.32
Y (x10^4)
1,4-Dichlorobenzene-d4
-Nitrobenzene-d5
Naphthalene-d8+
-2-Fluorobiphenyl
Acenaphthene-d10
Phenanthrene-d10
-Terphenyl-d14
Chrysene-d12
-Perylene-d12
Min
/chem/5972hp66.i/DV100524C66.b/0E25001-CAL2C66.d

Data File: /chem/5972hp66.i/DV100524C66.b/0E25001-CAL2C66.d
Report Date: 25-May-2010 09:02

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DV100524C66.b/0E25001-CAL2C66.d
Lab Smp Id: 0E25001-CAL2 Client Smp ID: SSTD1.20Y2
Inj Date : 25-MAY-2010 08:16
Operator : 2743 Inst ID: 5972hp66.i
Smp Info : SSTD1.20Y2:2743
Misc Info : SSTD1.20Y2
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DV100524C66.b/SIM_8270Cv2DOD.m
Meth Date : 25-May-2010 08:59 perry Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	5.544	5.547	(1.000)	42756	2.00000	
* 2 Naphthalene-d8	136	7.799	7.802	(1.000)	151009	2.00000	
* 3 Acenaphthene-d10	164	11.217	11.218	(1.000)	69374	2.00000	
* 4 Phenanthrene-d10	188	14.088	14.087	(1.000)	121694	2.00000	
* 5 Chrysene-d12	240	19.318	19.319	(1.000)	108693	2.00000	
* 6 Perylene-d12	264	21.950	21.949	(1.000)	94345	2.00000	
$ 9 Nitrobenzene-d5	82	6.561	6.563	(0.841)	40366	1.20000	1.2
$ 10 2-Fluorobiphenyl	172	9.963	9.952	(0.888)	91960	1.20000	1.3
$ 12 Terphenyl-d14	244	17.334	17.333	(0.897)	45962	1.20000	1.2
13 Naphthalene	128	7.825	7.828	(1.003)	111671	1.20000	1.2
15 2-Methylnaphthalene	141	9.155	9.157	(0.816)	56927	1.20000	1.1
17 Acenaphthylene	152	10.904	10.905	(0.972)	87547	1.20000	1.1
18 Acenaphthene	154	11.269	11.270	(1.005)	53389	1.20000	1.2
21 Fluorene	166	12.273	12.274	(0.871)	62225	1.20000	1.1
25 Phenanthrene	178	14.127	14.126	(1.003)	89360	1.20000	1.2

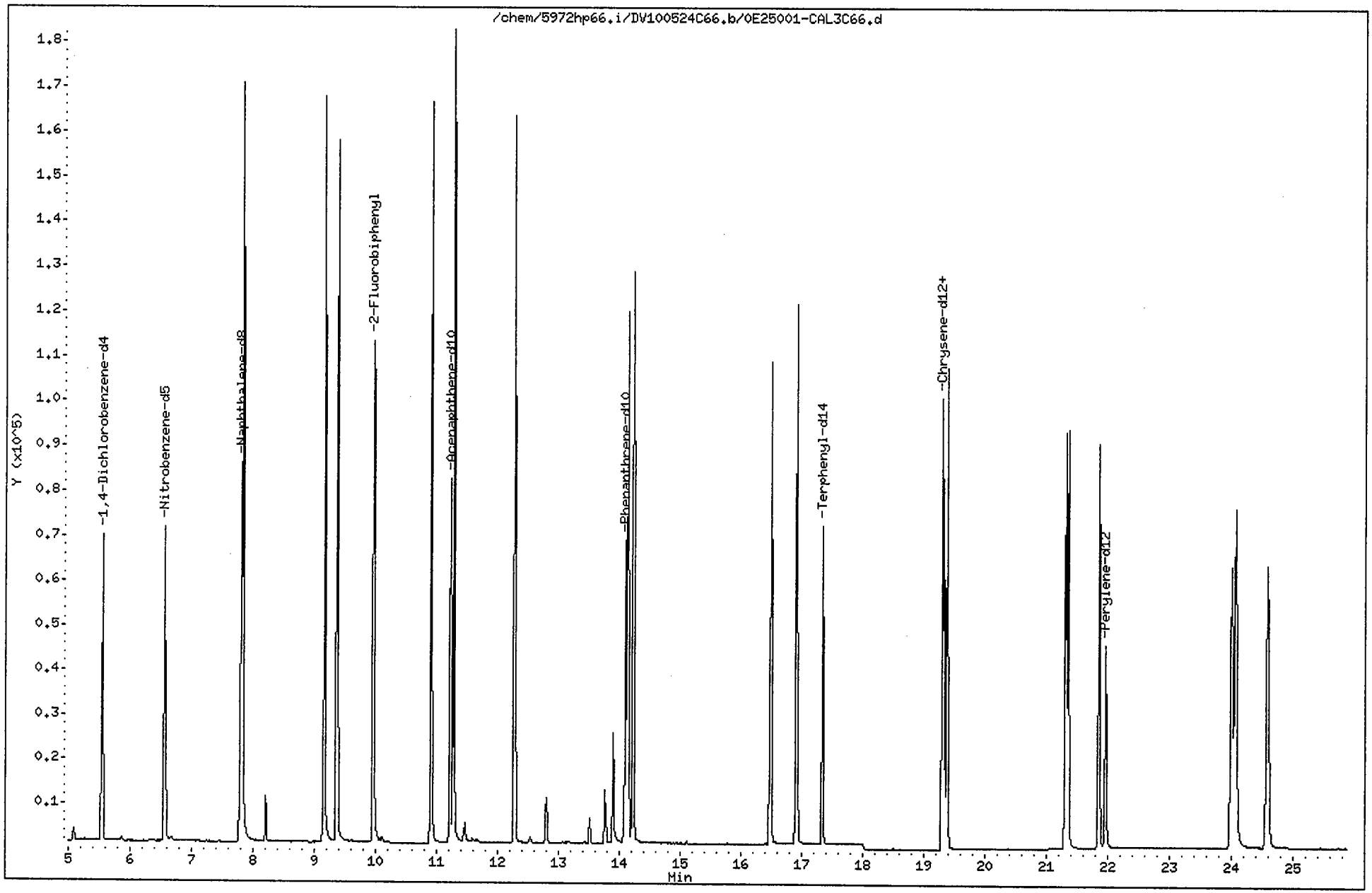
Data File: /chem/5972hp66.i/DV100524C66.b/0E25001-CAL2C66.d
Report Date: 25-May-2010 09:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	14.218	14.217	(1.009)	78760	1.20000	1.2
27 Fluoranthene	202	16.486	16.486	(0.853)	80846	1.20000	1.1
28 Pyrene	202	16.904	16.903	(0.875)	90310	1.20000	1.2
29 Benzo(a)anthracene	228	19.291	19.293	(0.999)	69695	1.20000	1.2
30 Chrysene	228	19.370	19.371	(1.003)	76404	1.20000	1.2
31 Benzo(b)fluoranthene	252	21.296	21.296	(0.970)	74012	1.20000	1.2
32 Benzo(k)fluoranthene	252	21.340	21.339	(0.972)	77185	1.20000	1.2
33 Benzo(a)pyrene	252	21.841	21.840	(0.995)	64130	1.20000	1.1
34 Indeno(1,2,3-cd)pyrene	276	23.996	23.995	(1.093)	57928	1.20000	1.2
35 Dibenzo(a,h)anthracene	278	24.050	24.061	(1.096)	58355	1.20000	1.2
36 Benzo(g,h,i)perylene	276	24.573	24.572	(1.119)	65035	1.20000	1.2

TIR 5/25/10

Data File: /chem/5972hp66.i/DV100524C66.b/0E25001-CAL3C66.d
Date : 25-MAY-2010 06:01
Client ID: SSTD3.00Y2
Sample Info: SSTD3.00Y2:2743
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: 2743
Column diameter: 0.32



Data File: /chem/5972hp66.i/DV100524C66.b/0E25001-CAL3C66.d
Report Date: 25-May-2010 09:02

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DV100524C66.b/0E25001-CAL3C66.d
Lab Smp Id: 0E25001-CAL3 Client Smp ID: SSTD3.00Y2
Inj Date : 25-MAY-2010 06:01
Operator : 2743 Inst ID: 5972hp66.i
Smp Info : SSTD3.00Y2:2743
Misc Info : SSTD3.00Y2
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DV100524C66.b/SIM_8270Cv2DOD.m
Meth Date : 25-May-2010 08:59 perry Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	5.547	5.547	(1.000)	37182	2.00000	
*	2 Naphthalene-d8	136	7.802	7.802	(1.000)	125435	2.00000	
*	3 Acenaphthene-d10	164	11.218	11.218	(1.000)	56129	2.00000	
*	4 Phenanthrene-d10	188	14.087	14.087	(1.000)	92434	2.00000	
*	5 Chrysene-d12	240	19.319	19.319	(1.000)	75031	2.00000	
*	6 Perylene-d12	264	21.949	21.949	(1.000)	62246	2.00000	
$	9 Nitrobenzene-d5	82	6.563	6.563	(0.841)	80993	3.00000	2.9
$	10 2-Fluorobiphenyl	172	9.952	9.952	(0.887)	181927	3.00000	3.1
$	12 Terphenyl-d14	244	17.333	17.333	(0.897)	83431	3.00000	3.1
	13 Naphthalene	128	7.828	7.828	(1.003)	226427	3.00000	2.9
	15 2-Methylnaphthalene	141	9.157	9.157	(0.816)	112252	3.00000	2.8
	17 Acenaphthylene	152	10.905	10.905	(0.972)	182733	3.00000	2.9
	18 Acenaphthene	154	11.270	11.270	(1.005)	107472	3.00000	2.9
	21 Fluorene	166	12.274	12.274	(0.871)	125051	3.00000	2.9
	25 Phenanthrene	178	14.126	14.126	(1.003)	171164	3.00000	3.0

TNP 5/25/10

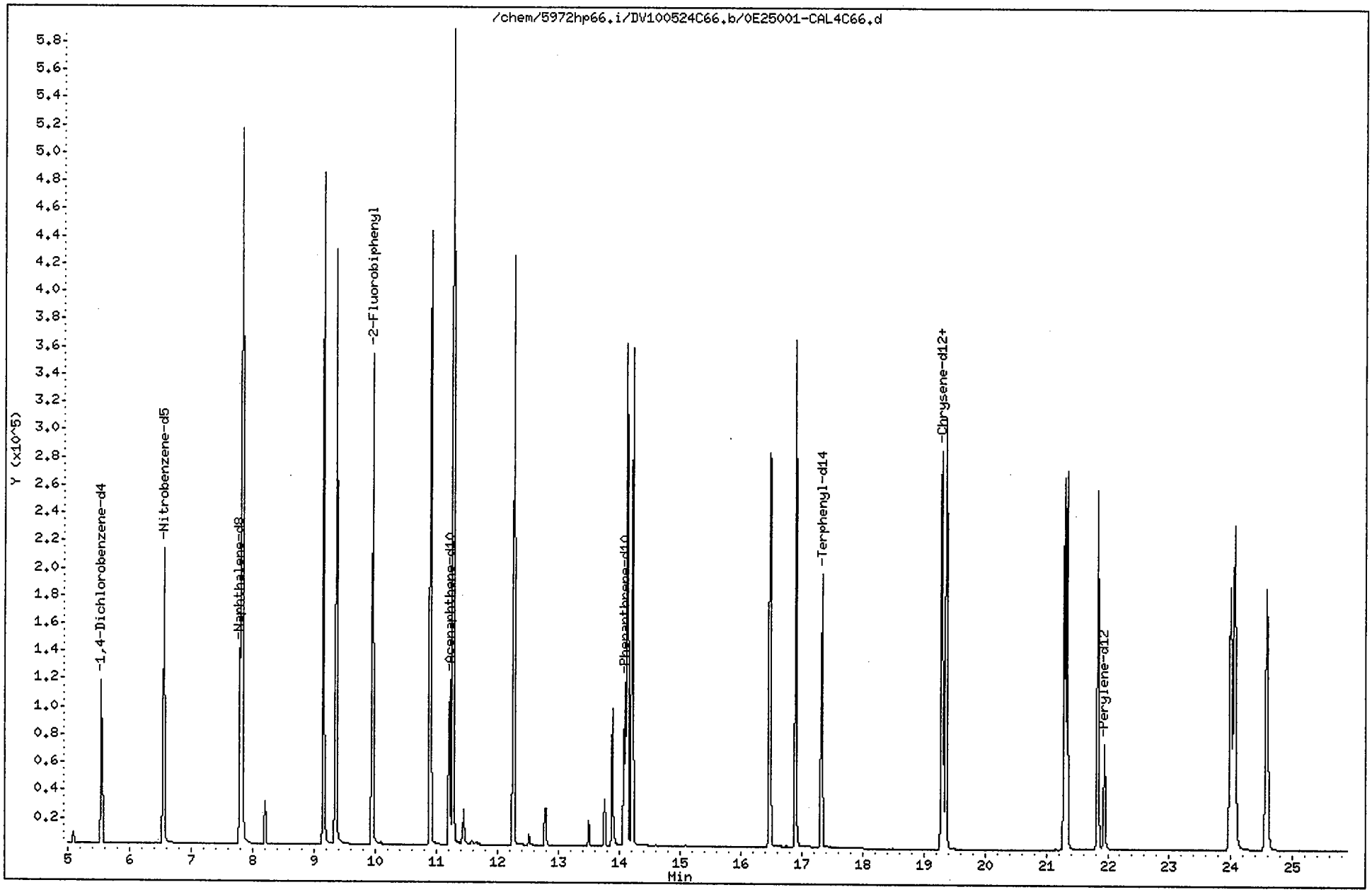
Data File: /chem/5972hp66.i/DV100524C66.b/0E25001-CAL3C66.d
Report Date: 25-May-2010 09:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	14.217	14.217	(1.009)	153579	3.00000	3.0
27 Fluoranthene	202	16.486	16.486	(0.853)	148807	3.00000	3.0
28 Pyrene	202	16.903	16.903	(0.875)	161512	3.00000	3.0
29 Benzo(a)anthracene	228	19.293	19.293	(0.999)	125381	3.00000	3.1
30 Chrysene	228	19.371	19.371	(1.003)	131836	3.00000	3.0
31 Benzo(b)fluoranthene	252	21.296	21.296	(0.970)	122234	3.00000	3.0
32 Benzo(k)fluoranthene	252	21.339	21.339	(0.972)	135163	3.00000	3.1
33 Benzo(a)pyrene	252	21.840	21.840	(0.995)	114164	3.00000	3.1
34 Indeno(1,2,3-cd)pyrene	276	23.995	23.995	(1.093)	98749	3.00000	3.0
35 Dibenzo(a,h)anthracene	278	24.061	24.061	(1.096)	97384	3.00000	3.0
36 Benzo(g,h,i)perylene	276	24.572	24.572	(1.119)	109200	3.00000	3.0

TMD 5/25/10

Data File: /chem/5972hp66.i/DV100524C66.b/0E25001-CAL4C66.d
Date : 25-MAY-2010 07:43
Client ID: SSTD5.00Y2
Sample Info: SSTD5.00Y2:2743
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: 2743
Column diameter: 0.32



Data File: /chem/5972hp66.i/DV100524C66.b/0E25001-CAL4C66.d
Report Date: 25-May-2010 09:02

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DV100524C66.b/0E25001-CAL4C66.d
Lab Smp Id: 0E25001-CAL4 Client Smp ID: SSTD5.00Y2
Inj Date : 25-MAY-2010 07:43
Operator : 2743 Inst ID: 5972hp66.i
Smp Info : SSTD5.00Y2:2743
Misc Info : SSTD5.00Y2
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DV100524C66.b/SIM_8270Cv2DOD.m
Meth Date : 25-May-2010 08:59 perry Quant Type: ISTD
Cal Date : 25-MAY-2010 07:43 Cal File: 0E25001-CAL4C66.d
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	5.543	5.547	(1.000)	63425	2.00000	
*	2 Naphthalene-d8	136	7.785	7.802	(1.000)	216429	2.00000	
*	3 Acenaphthene-d10	164	11.218	11.218	(1.000)	91925	2.00000	
*	4 Phenanthrene-d10	188	14.087	14.087	(1.000)	154139	2.00000	
*	5 Chrysene-d12	240	19.318	19.319	(1.000)	128222	2.00000	
*	6 Perylene-d12	264	21.951	21.949	(1.000)	108520	2.00000	
$	9 Nitrobenzene-d5	82	6.547	6.563	(0.841)	254021	5.00000	5.3
$	10 2-Fluorobiphenyl	172	9.949	9.952	(0.887)	411699	5.00000	4.4
$	12 Terphenyl-d14	244	17.333	17.333	(0.897)	231964	5.00000	4.9
	13 Naphthalene	128	7.824	7.828	(1.005)	663758	5.00000	5.0
	15 2-Methylnaphthalene	141	9.154	9.157	(0.816)	329678	5.00000	5.0
	17 Acenaphthylene	152	10.905	10.905	(0.972)	538984	5.00000	5.2
	18 Acenaphthene	154	11.270	11.270	(1.005)	313112	5.00000	5.2
	21 Fluorene	166	12.274	12.274	(0.871)	357974	5.00000	4.9
	25 Phenanthrene	178	14.126	14.126	(1.003)	487877	5.00000	5.1

TM 5/25/10

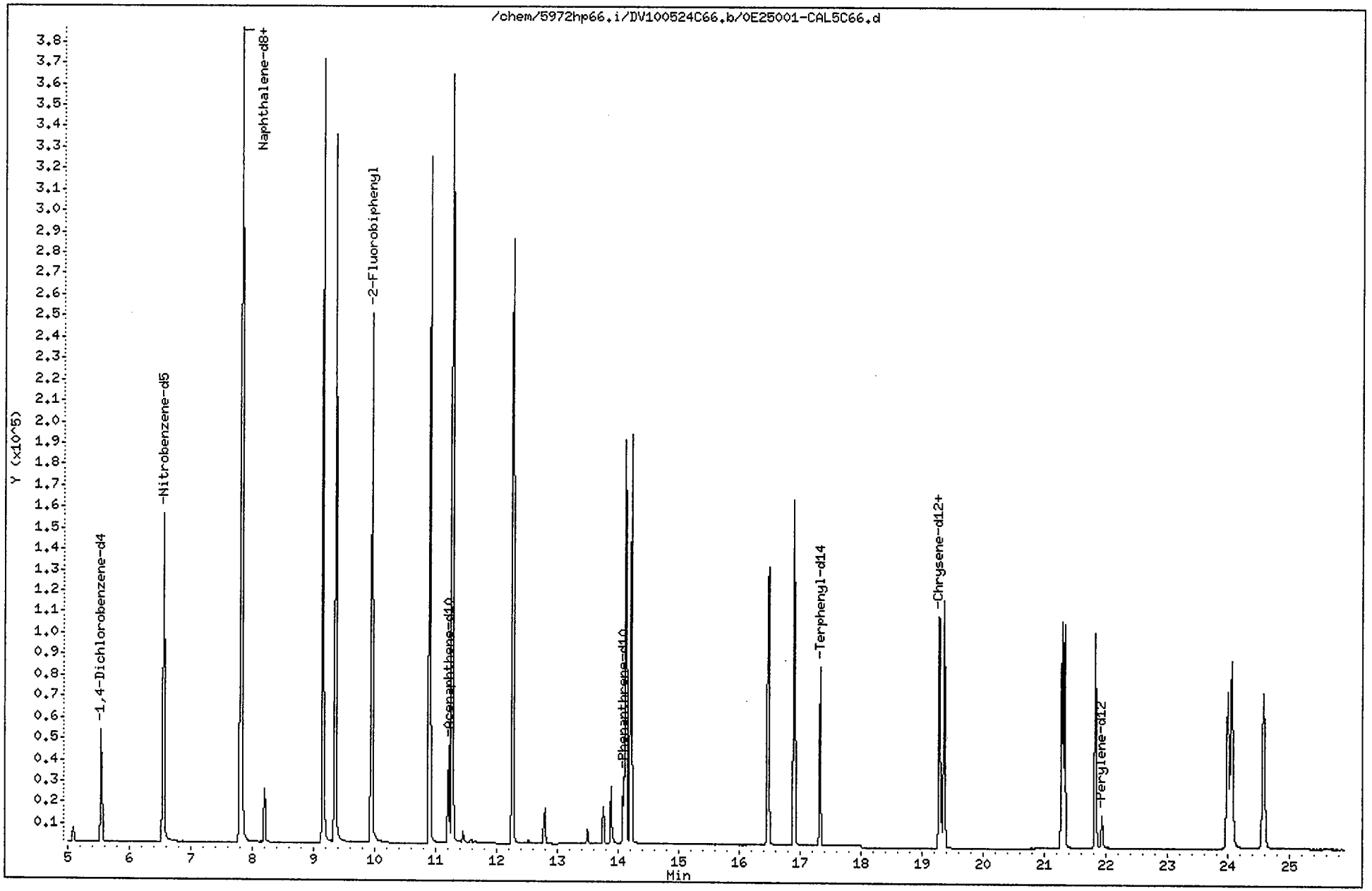
Data File: /chem/5972hp66.i/DV100524C66.b/0E25001-CAL4C66.d
Report Date: 25-May-2010 09:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	14.217	14.217	(1.009)	449448	5.00000	5.1
27 Fluoranthene	202	16.486	16.486	(0.853)	430074	5.00000	5.0
28 Pyrene	202	16.903	16.903	(0.875)	465169	5.00000	5.0
29 Benzo(a)anthracene	228	19.292	19.293	(0.999)	360361	5.00000	5.1
30 Chrysene	228	19.371	19.371	(1.003)	383149	5.00000	5.1
31 Benzo(b)fluoranthene	252	21.298	21.296	(0.970)	364676	5.00000	5.1
32 Benzo(k)fluoranthene	252	21.341	21.339	(0.972)	385853	5.00000	5.0
33 Benzo(a)pyrene	252	21.842	21.840	(0.995)	337158	5.00000	5.2
34 Indeno(1,2,3-cd)pyrene	276	23.997	23.995	(1.093)	300043	5.00000	5.2
35 Dibenzo(a,h)anthracene	278	24.063	24.061	(1.096)	291827	5.00000	5.2
36 Benzo(g,h,i)perylene	276	24.574	24.572	(1.119)	315969	5.00000	5.0

DAP 5/25/10

Data File: /chem/5972hp66.i/DV100524C66.b/0E25001-CAL5C66.d
Date : 25-MAY-2010 06:35
Client ID: SSTD10.0Y2
Sample Info: SSTD10.0Y2:2743
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: 2743
Column diameter: 0.32



Data File: /chem/5972hp66.i/DV100524C66.b/0E25001-CAL5C66.d
Report Date: 25-May-2010 09:02

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DV100524C66.b/0E25001-CAL5C66.d
Lab Smp Id: 0E25001-CAL5 Client Smp ID: SSTD10.0Y2
Inj Date : 25-MAY-2010 06:35
Operator : 2743 Inst ID: 5972hp66.i
Smp Info : SSTD10.0Y2:2743
Misc Info : SSTD10.0Y2
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DV100524C66.b/SIM_8270Cv2DOD.m
Meth Date : 25-May-2010 08:59 perry Quant Type: ISTD
Cal Date : 25-MAY-2010 06:35 Cal File: 0E25001-CAL5C66.d
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)	
*	1 1,4-Dichlorobenzene-d4	152	5.544	5.547	(1.000)	29337	2.00000		
*	2 Naphthalene-d8	136	7.799	7.802	(1.000)	86160	2.00000		
*	3 Acenaphthene-d10	164	11.217	11.218	(1.000)	32564	2.00000		
*	4 Phenanthrene-d10	188	14.087	14.087	(1.000)	41430	2.00000		
*	5 Chrysene-d12	240	19.319	19.319	(1.000)	26559	2.00000		
*	6 Perylene-d12	264	21.950	21.949	(1.000)	21293	2.00000		
$	9 Nitrobenzene-d5	82	6.561	6.563	(0.841)	195887	10.0000	10(A)	
$	10 2-Fluorobiphenyl	172	9.950	9.952	(0.887)	388859	10.0000	11(A)	
$	12 Terphenyl-d14	244	17.334	17.333	(0.897)	100210	10.0000	10(A)	
	13 Naphthalene	128	7.825	7.828	(1.003)	511461	10.0000	9.6	
	15 2-Methylnaphthalene	141	9.155	9.157	(0.816)	245895	10.0000	10(A)	
	17 Acenaphthylene	152	10.904	10.905	(0.972)	361779	10.0000	9.9	
	18 Acenaphthene	154	11.269	11.270	(1.005)	208101	10.0000	9.8	
	21 Fluorene	166	12.272	12.274	(0.871)	222986	10.0000	11(A)	
	25 Phenanthrene	178	14.126	14.126	(1.003)	259875	10.0000	10(A)	

DMP 5/25/10

Data File: /chem/5972hp66.i/DV100524C66.b/0E25001-CAL5C66.d
Report Date: 25-May-2010 09:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
26 Anthracene	178	14.218	14.217	(1.009)	236864	10.0000	10(A)
27 Fluoranthene	202	16.486	16.486	(0.853)	194996	10.0000	11(A)
28 Pyrene	202	16.904	16.903	(0.875)	208279	10.0000	11(A)
29 Benzo(a)anthracene	228	19.293	19.293	(0.999)	143641	10.0000	10(A)
30 Chrysene	228	19.371	19.371	(1.003)	154738	10.0000	9.9
31 Benzo(b)fluoranthene	252	21.297	21.296	(0.970)	145830	10.0000	10(A)
32 Benzo(k)fluoranthene	252	21.340	21.339	(0.972)	152992	10.0000	10
33 Benzo(a)pyrene	252	21.841	21.840	(0.995)	132196	10.0000	10(A)
34 Indeno(1,2,3-cd)pyrene	276	23.996	23.995	(1.093)	114361	10.0000	10(A)
35 Dibenzo(a,h)anthracene	278	24.050	24.061	(1.096)	113061	10.0000	10(A)
36 Benzo(g,h,i)perylene	276	24.573	24.572	(1.119)	125942	10.0000	10(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

TMP 5/28/10

COMPUCHEM a Division of Liberty Analytical Corp
GC/MS SEMIVOLATILE RUN LOG
LOGBOOK 4X(4) 21 (5972hp66)

DATE 5/25/10 INITIAL TIME OF TUNE 0559 SHIFT/S (A) ____ (B) ____ (C) ✓
TIME TUNE EXPIRES 1759
METHOD: 625 8270C 8270D OLC03.2 OLM04.3 SOM01.2 (Circle One) or Other: PAHSIM DOD SIM: (Y) N
PREVENTIVE MAINTENANCE Front/Liner/Septa

	SEQUENCE#	REJECTED	FILENAME	REPORTED	DATE	TIME	CLIENT ID	SDG#	AMOUNT INJECTED	CHEMIST	COMMENTS
1	OE25001		ASCANC66	✓	5/25/10	0527	SSTD3.00	—	2µl	2743	SCD=LCD
2	DV100525C		N/A			0559	FC43	—	N/A		
3			OE25001-CAL3C66			0601	SSTD3.0042	—	2µl		OE18007 8/18/10
4			-CAL5C66			0635	10.042	—			10
5			-CAL1C66			0709	0.4042	—			05
6			-CAL4C66			0743	5.0042	—			09
7			-CAL2C66			0816	1.2042	—			06
8			1005131-02JC66			0856	EB051310-SB	1005131			
9			03JC66	IL		0930	BBG-FB051310				
10			03J2C66			1013		VARIOUS 1005131			
11			0052402-BLK1C66			1046	SBLKCB				DMP 5/25/10
12			BS1C66	SFV SC		1120	SCBLCS	VARIOUS			
13			BSD1C66			1155	SCBLCSD	VARIOUS			
14			1005131-04C66	1H		1228	BBG-FB051810	1005131			
15			1005131-05C66			1302	EB051810-SS	1005131			
16			1005158-01C66	1H		1336	AOC8-MW-35	1005158			
17			02C66	1H		1410	AOC8-MW-35D				
18			01JCC6	1H		1445	AOC8-MW-35				
19			02JC66			1518	AOC8-MW-~~35~~35D				
20			03 C66	1H		1552	~~ERO51910~~ AOC8-MW-36				
21			04 C66	1H		1626	ERO51910				
22			05C66	1H		1700	AOC8-MW-37				
23			0052402BS1JC66			1734	SCBLCS	Various			
24			1005131-04JC66			1808	BBG-FB051810	1005131			

OWS 05-25-10

DFTPP Lot #/Exp. Date: N/A
Calibration STD Lot#/Exp. Date: See Comments
Internal STD Lot#/Exp. Date: 040 OE18001 10/2/10
Methylene Chloride Lot#/Exp. Date: J10504 4/21/15
Column Type: RTX 5MS 0.32m

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

REVIEWED BY: DMP DATE 5/25/10
Supervisor/Manager Review: DMP pages 3060 to 3080 Date 5/25/10

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: 5972HP66 Calibration Date(s): 06/20/10 06/20/10

Column: RTX-5MS ID: 0.32 (mm) Calibration Time(s): 0850 1107

LAB FILE ID: RF0.4: 0F20001-CALRF1.2: 0F20001-CALRF3: 0F20001-CAL3A
RF5: 0F20001-CAL4ARF10: 0F20001-CAL5

COMPOUND	RF0.4	RF1.2	RF3	RF5	RF10
Naphthalene	1.172	1.248	1.114	1.117	1.186
2-Methylnaphthalene	0.604	0.659	0.593	0.596	0.632
Acenaphthylene	2.024	2.168	1.983	1.966	2.160
Acenaphthene	1.130	0.928	1.109	1.087	1.187
Fluorene	1.378	1.435	1.357	1.338	1.461
Phenanthrene	1.104	1.172	1.044	1.024	1.124
Anthracene	1.001	1.068	0.978	0.947	1.069
Fluoranthene	1.081	1.064	1.025	0.991	1.046
Pyrene	1.531	1.085	1.246	1.014	1.201
Benzo(a)anthracene	1.112	0.772	0.972	0.823	1.046
Chrysene	1.128	0.808	1.019	0.860	1.065
Benzo(b)fluoranthene	1.203	0.944	1.141	0.962	1.268
Benzo(k)fluoranthene	1.285	0.969	1.218	1.075	1.444
Benzo(a)pyrene	1.102	0.869	1.082	0.931	1.218
Indeno(1,2,3-cd)pyrene	0.964	0.796	0.988	0.827	0.972
Dibenzo(a,h)anthracene	0.905	0.774	0.960	0.814	0.958
Benzo(g,h,i)perylene	1.092	0.916	1.065	0.911	1.015
Nitrobenzene-d5	0.505	0.516	0.451	0.464	0.514
2-Fluorobiphenyl	1.558	1.707	1.538	1.491	1.624
Terphenyl-d14	0.764	0.540	0.637	0.523	0.645

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

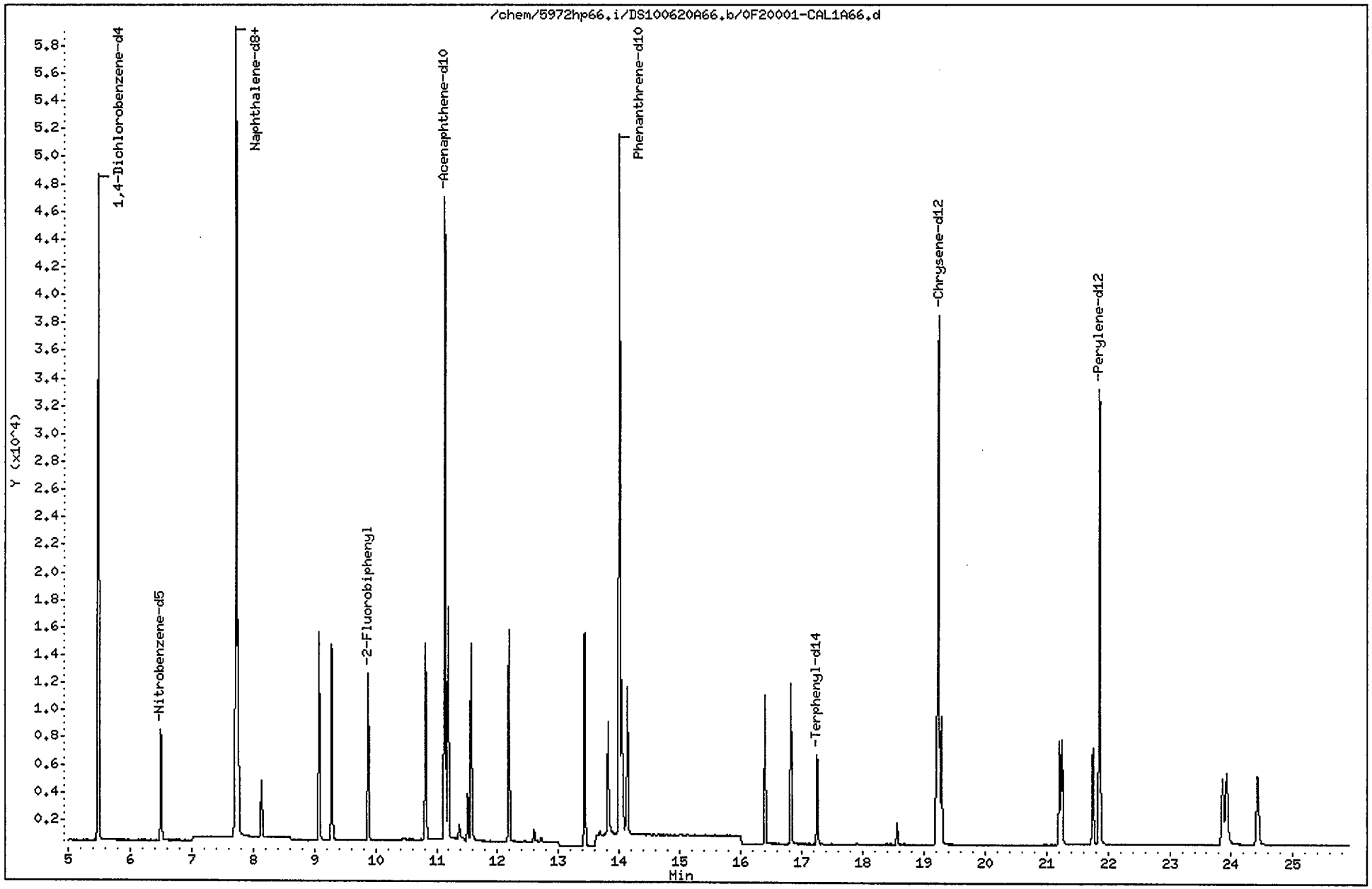
Instrument ID: 5972HP66 Calibration Date(s): 06/20/10 06/20/10

Column: RTX-5MS ID: 0.32 (mm) Calibration Time(s): 0850 1107

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2
Naphthalene	AVRG	1.16761781	4.750	15.000
2-Methylnaphthalene	AVRG	0.61704226	4.541	15.000
Acenaphthylene	AVRG	2.06031817	4.709	15.000
Acenaphthene	AVRG	1.08819743	8.913	30.000
Fluorene	AVRG	1.39374709	3.741	15.000
Phenanthrene	AVRG	1.09350108	5.520	15.000
Anthracene	AVRG	1.01259518	5.376	15.000
Fluoranthene	AVRG	1.04140950	3.377	30.000
Pyrene	AVRG	1.21543838	16.358	15.000
Benzo(a)anthracene	AVRG	0.94506823	15.321	15.000
Chrysene	AVRG	0.97606668	13.967	15.000
Benzo(b)fluoranthene	AVRG	1.10356374	13.120	15.000
Benzo(k)fluoranthene	AVRG	1.19836266	15.378	15.000
Benzo(a)pyrene	AVRG	1.04045931	13.461	30.000
Indeno(1,2,3-cd)pyrene	AVRG	0.90942553	9.934	15.000
Dibenzo(a,h)anthracene	AVRG	0.88209437	9.618	15.000
Benzo(g,h,i)perylene	AVRG	0.99979062	8.366	15.000
Nitrobenzene-d5	AVRG	0.49012262	6.149	15.000
2-Fluorobiphenyl	AVRG	1.58352313	5.313	15.000
Terphenyl-d14	AVRG	0.62198916	15.595	15.000

Data File: /chem/5972hp66.i/DS100620A66.b/0F20001-CAL1A66.d
Date : 20-JUN-2010 08:50
Client ID: SSTD0.4Y5
Sample Info: SSTD0.4Y5:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100620A66.b/0F20001-CAL1A66.d
Report Date: 21-Jun-2010 17:41

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100620A66.b/0F20001-CAL1A66.d
Lab Smp Id: 0F20001-CAL1 Client Smp ID: SSTD0.4Y5
Inj Date : 20-JUN-2010 08:50
Operator : MEW Inst ID: 5972hp66.i
Smp Info : SSTD0.4Y5:MEW
Misc Info : SSTD0.4Y5
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100620A66.b/SIM_8270Cv2DOD.m
Meth Date : 21-Jun-2010 17:40 byrd Quant Type: ISTD
Cal Date : 20-JUN-2010 08:50 Cal File: 0F20001-CAL1A66.d
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH+EXTRAICAL.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

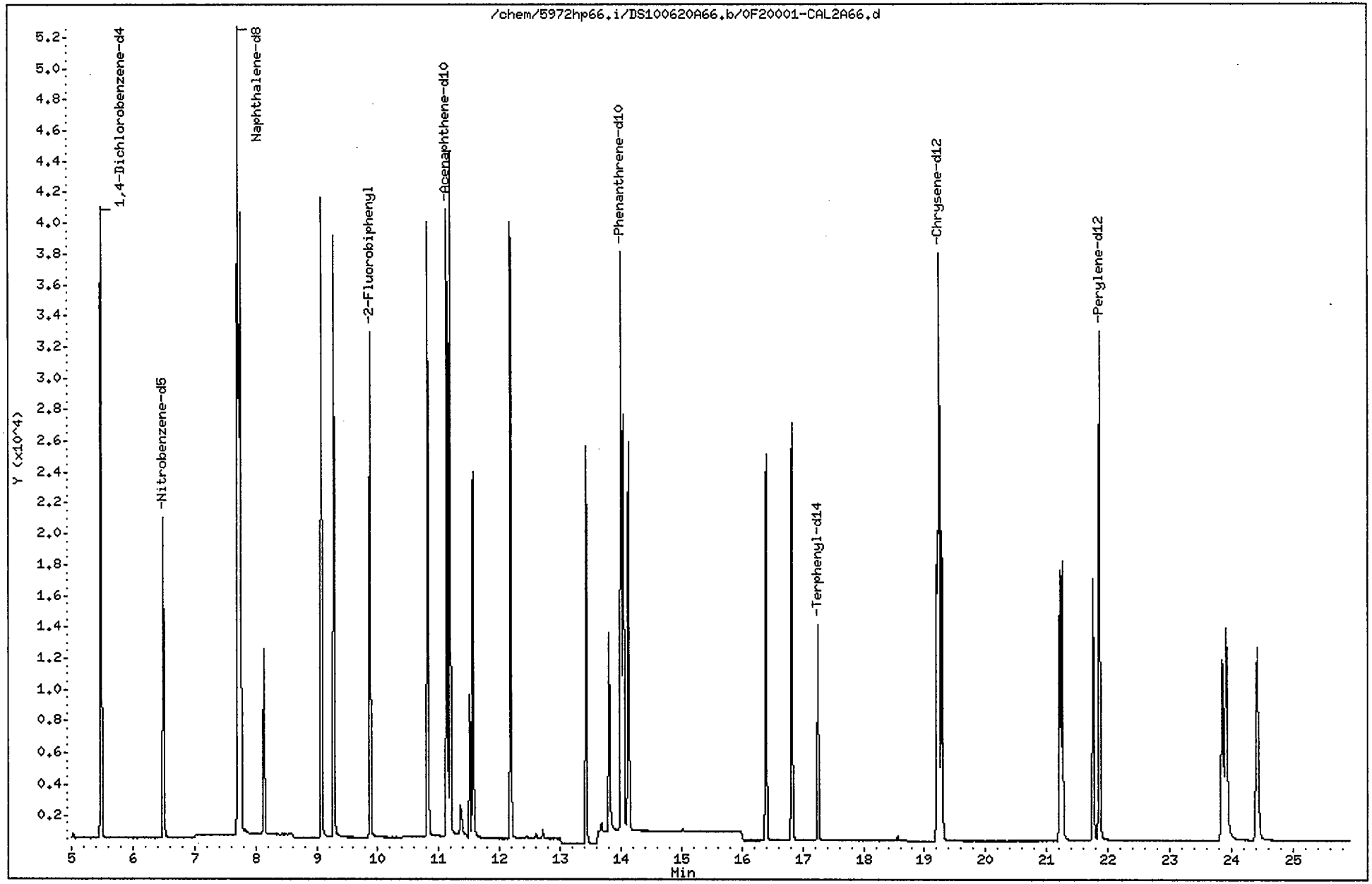
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	5.490	5.493	(1.000)	28099	2.00000	
* 2 Naphthalene-d8	136	7.717	7.718	(1.000)	83121	2.00000	
* 3 Acenaphthene-d10	164	11.129	11.129	(1.000)	40728	2.00000	
* 4 Phenanthrene-d10	188	14.003	14.003	(1.000)	67779	2.00000	
* 5 Chrysene-d12	240	19.239	19.239	(1.000)	49871	2.00000	
* 6 Perylene-d12	264	21.860	21.859	(1.000)	44168	2.00000	
$ 7 2-Fluorophenol	112	Compound Not Detected.					
$ 8 Phenol-d5	99	Compound Not Detected.					
$ 9 Nitrobenzene-d5	82	6.500	6.490	(0.842)	8389	0.40000	0.40
$ 10 2-Fluorobiphenyl	172	9.878	9.872	(0.888)	12689	0.40000	0.40
$ 11 2,4,6-Tribromophenol	330	Compound Not Detected.					
$ 12 Terphenyl-d14	244	17.252	17.253	(0.897)	7625	0.40000	0.40
13 Naphthalene	128	7.752	7.753	(1.004)	19491	0.40000	0.40
14 Hexachlorobutadiene	225	8.134	8.135	(1.054)	3713	0.40000	0.40
15 2-Methylnaphthalene	141	9.080	9.074	(0.816)	10040	0.40000	0.40

Data File: /chem/5972hp66.i/DS100620A66.b/0F20001-CAL1A66.d
Report Date: 21-Jun-2010 17:41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
16 1-Methylnaphthalene	142	9.283	9.281	(0.834)	11331	0.40000	0.40
17 Acenaphthylene	152	10.816	10.817	(0.972)	16491	0.40000	0.40
18 Acenaphthene	154	11.186	11.187	(1.005)	9201	0.40000	0.40
20 4-Nitrophenol	139	11.564	11.563	(0.826)	13161	2.00000	2.0
21 Fluorene	166	12.186	12.180	(0.870)	11222	0.40000	0.40
23 Hexachlorobenzene	284	13.428	13.426	(0.959)	17984	2.00000	2.0
24 Pentachlorophenol	266	13.806	13.806	(0.986)	8710	2.00000	2.0
25 Phenanthrene	178	14.038	14.037	(1.002)	14963	0.40000	0.40
26 Anthracene	178	14.130	14.130	(1.009)	13574	0.40000	0.40
27 Fluoranthene	202	16.396	16.397	(0.852)	14656	0.40000	0.40
28 Pyrene	202	16.824	16.820	(0.875)	15268	0.40000	0.40
29 Benzo(a)anthracene	228	19.208	19.208	(0.998)	11095	0.40000	0.40
30 Chrysene	228	19.287	19.288	(1.003)	11251	0.40000	0.40
31 Benzo(b)fluoranthene	252	21.211	21.215	(0.970)	10629	0.40000	0.40
32 Benzo(k)fluoranthene	252	21.256	21.255	(0.972)	11355	0.40000	0.40
33 Benzo(a)pyrene	252	21.754	21.758	(0.995)	9736	0.40000	0.40
34 Indeno(1,2,3-cd)pyrene	276	23.856	23.861	(1.091)	8514	0.40000	0.40
35 Dibenzo(a,h)anthracene	278	23.922	23.923	(1.094)	7994	0.40000	0.40
36 Benzo(g,h,i)perylene	276	24.421	24.430	(1.117)	9651	0.40000	0.40

Data File: /chem/5972hp66.i/DS100620A66.b/0F20001-CAL2A66.d
Date : 20-JUN-2010 09:24
Client ID: SSTD1.2Y5
Sample Info: SSTD1.2Y5:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100620A66.b/0F20001-CAL2A66.d
Report Date: 21-Jun-2010 17:41

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100620A66.b/0F20001-CAL2A66.d
Lab Smp Id: 0F20001-CAL2 Client Smp ID: SSTD1.2Y5
Inj Date : 20-JUN-2010 09:24
Operator : MEW Inst ID: 5972hp66.i
Smp Info : SSTD1.2Y5:MEW
Misc Info : SSTD1.2Y5
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100620A66.b/SIM_8270Cv2DOD.m
Meth Date : 21-Jun-2010 17:40 byrd Quant Type: ISTD
Cal Date : 20-JUN-2010 09:24 Cal File: 0F20001-CAL2A66.d
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH+EXTRAICAL.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	5.485	5.493	(1.000)	22847	2.00000	
*	2 Naphthalene-d8	136	7.717	7.718	(1.000)	68372	2.00000	
*	3 Acenaphthene-d10	164	11.128	11.129	(1.000)	33368	2.00000	
*	4 Phenanthrene-d10	188	14.002	14.003	(1.000)	50871	2.00000	
*	5 Chrysene-d12	240	19.238	19.239	(1.000)	51770	2.00000	
*	6 Perylene-d12	264	21.860	21.859	(1.000)	43270	2.00000	
$	7 2-Fluorophenol	112	Compound Not Detected.					
$	8 Phenol-d5	99	Compound Not Detected.					
$	9 Nitrobenzene-d5	82	6.495	6.490	(0.842)	21181	1.20000	1.2
$	10 2-Fluorobiphenyl	172	9.874	9.872	(0.887)	34175	1.20000	1.3
$	11 2,4,6-Tribromophenol	330	Compound Not Detected.					
$	12 Terphenyl-d14	244	17.252	17.253	(0.897)	16762	1.20000	0.99
	13 Naphthalene	128	7.752	7.753	(1.004)	51202	1.20000	1.2
	14 Hexachlorobutadiene	225	8.134	8.135	(1.054)	9707	1.20000	1.2
	15 2-Methylnaphthalene	141	9.076	9.074	(0.816)	27036	1.20000	1.3

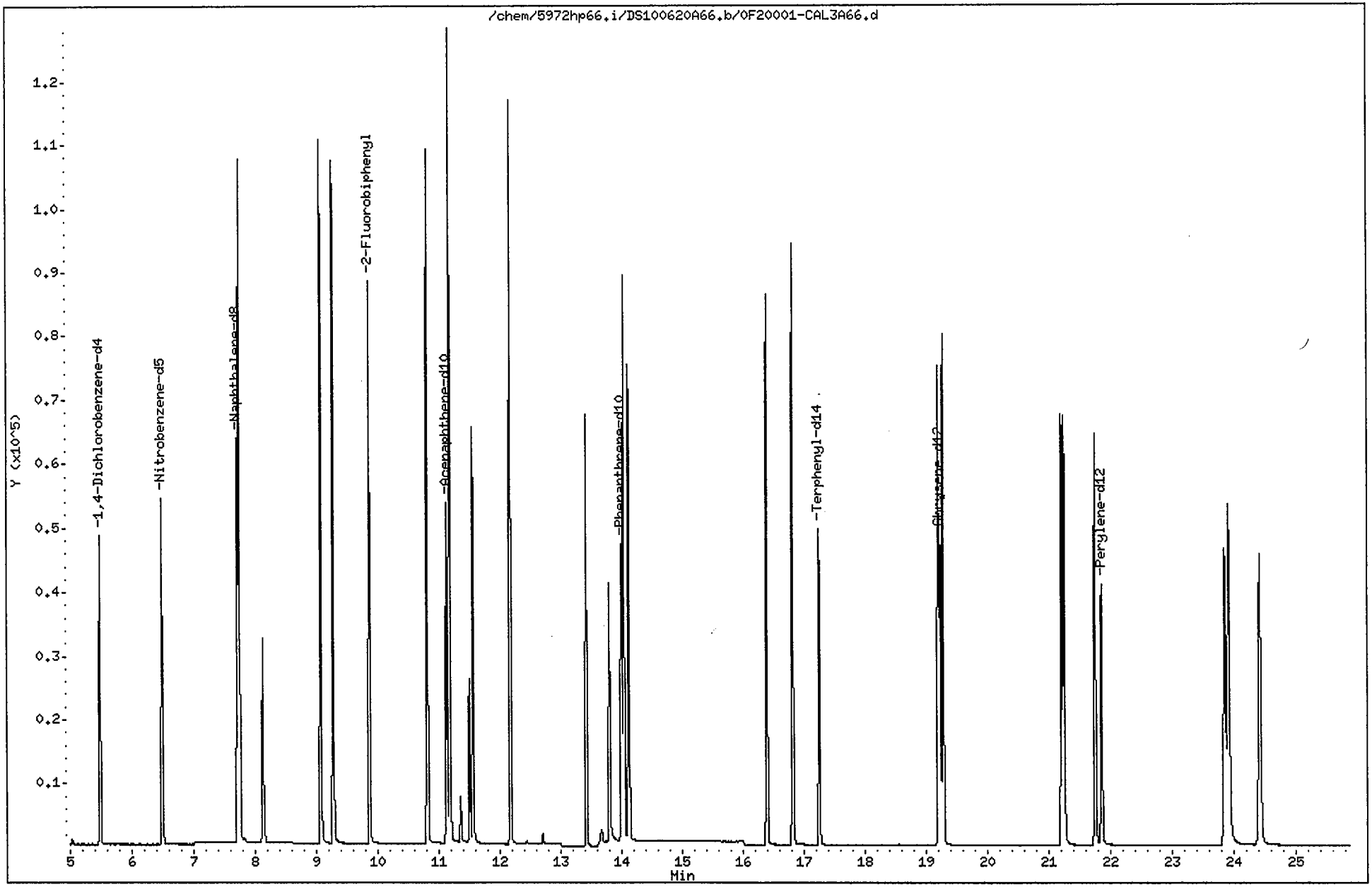
06/21/10

Data File: /chem/5972hp66.i/DS100620A66.b/0F20001-CAL2A66.d
Report Date: 21-Jun-2010 17:41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
16 1-Methylnaphthalene	142	9.283	9.281	(0.834)	29699	1.20000	1.2
17 Acenaphthylene	152	10.816	10.817	(0.972)	43405	1.20000	1.2
18 Acenaphthene	154	11.186	11.187	(1.005)	18580	1.20000	1.1
20 4-Nitrophenol	139	11.564	11.563	(0.826)	21939	4.00000	4.0
21 Fluorene	166	12.182	12.180	(0.870)	28733	1.20000	1.2
23 Hexachlorobenzene	284	13.426	13.426	(0.959)	29003	4.00000	4.1
24 Pentachlorophenol	266	13.805	13.806	(0.986)	12912	4.00000	4.0
25 Phenanthrene	178	14.037	14.037	(1.002)	35777	1.20000	1.2
26 Anthracene	178	14.129	14.130	(1.009)	32599	1.20000	1.2
27 Fluoranthene	202	16.396	16.397	(0.852)	32490	1.20000	1.2
28 Pyrene	202	16.820	16.820	(0.874)	33696	1.20000	1.00
29 Benzo(a)anthracene	228	19.203	19.208	(0.998)	23971	1.20000	0.98
30 Chrysene	228	19.287	19.288	(1.003)	25108	1.20000	1.0
31 Benzo(b)fluoranthene	252	21.212	21.215	(0.970)	24496	1.20000	1.1
32 Benzo(k)fluoranthene	252	21.252	21.255	(0.972)	25165	1.20000	1.0
33 Benzo(a)pyrene	252	21.754	21.758	(0.995)	22557	1.20000	1.1
34 Indeno(1,2,3-cd)pyrene	276	23.856	23.861	(1.091)	20681	1.20000	1.1
35 Dibenzo(a,h)anthracene	278	23.918	23.923	(1.094)	20086	1.20000	1.1
36 Benzo(g,h,i)perylene	276	24.421	24.430	(1.117)	23776	1.20000	1.1

Data File: /chem/5972hp66.i/DS100620A66.b/0F20001-CAL3A66.d
Date : 20-JUN-2010 09:58
Client ID: SSTD003Y5
Sample Info: SSTD003Y5:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100620A66.b/0F20001-CAL3A66.d
Report Date: 21-Jun-2010 17:41

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100620A66.b/0F20001-CAL3A66.d
Lab Smp Id: 0F20001-CAL3 Client Smp ID: SSTD003Y5
Inj Date : 20-JUN-2010 09:58
Operator : MEW Inst ID: 5972hp66.i
Smp Info : SSTD003Y5:MEW
Misc Info : SSTD003Y5
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100620A66.b/SIM_8270Cv2DOD.m
Meth Date : 21-Jun-2010 17:40 byrd Quant Type: ISTD
Cal Date : 20-JUN-2010 09:58 Cal File: 0F20001-CAL3A66.d
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH+EXTRAICAL.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	5.485	5.493	(1.000)	27157	2.00000	
* 2 Naphthalene-d8	136	7.716	7.718	(1.000)	83277	2.00000	
* 3 Acenaphthene-d10	164	11.128	11.129	(1.000)	41164	2.00000	
* 4 Phenanthrene-d10	188	14.003	14.003	(1.000)	71441	2.00000	
* 5 Chrysene-d12	240	19.240	19.239	(1.000)	63143	2.00000	
* 6 Perylene-d12	264	21.860	21.859	(1.000)	53883	2.00000	
$ 7 2-Fluorophenol	112	Compound Not Detected.					
$ 8 Phenol-d5	99	Compound Not Detected.					
$ 9 Nitrobenzene-d5	82	6.490	6.490	(0.841)	56364	3.00000	2.8
$ 10 2-Fluorobiphenyl	172	9.873	9.872	(0.887)	94943	3.00000	2.9
$ 11 2,4,6-Tribromophenol	330	Compound Not Detected.					
$ 12 Terphenyl-d14	244	17.254	17.253	(0.897)	60362	3.00000	3.0
13 Naphthalene	128	7.751	7.753	(1.004)	139187	3.00000	2.8
14 Hexachlorobutadiene	225	8.133	8.135	(1.054)	26277	3.00000	2.8
15 2-Methylnaphthalene	141	9.071	9.074	(0.815)	74131	3.00000	2.9

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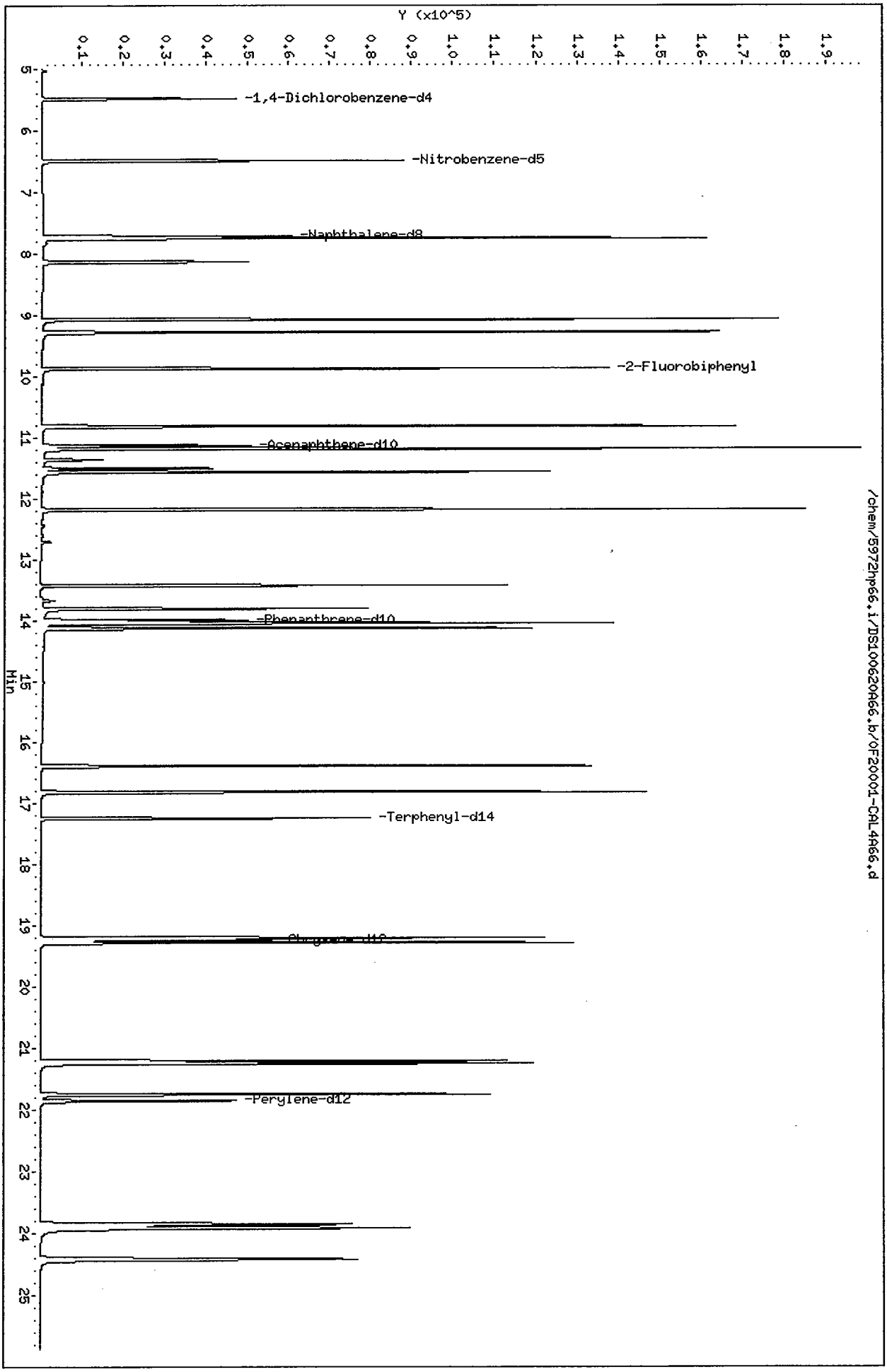
Data File: /chem/5972hp66.i/DS100620A66.b/0F20001-CAL3A66.d
Report Date: 21-Jun-2010 17:41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
16 1-Methylnaphthalene	142	9.278	9.281	(0.834)	83248	3.00000	2.9
17 Acenaphthylene	152	10.816	10.817	(0.972)	122465	3.00000	2.9
18 Acenaphthene	154	11.186	11.187	(1.005)	68459	3.00000	3.2
20 4-Nitrophenol	139	11.559	11.563	(0.825)	59010	8.00000	8.5
21 Fluorene	166	12.181	12.180	(0.870)	83801	3.00000	2.9
23 Hexachlorobenzene	284	13.425	13.426	(0.959)	85517	8.00000	8.5
24 Pentachlorophenol	266	13.807	13.806	(0.986)	43578	8.00000	9.0
25 Phenanthrene	178	14.038	14.037	(1.002)	111871	3.00000	2.8
26 Anthracene	178	14.119	14.130	(1.008)	104751	3.00000	2.9
27 Fluoranthene	202	16.393	16.397	(0.852)	109799	3.00000	2.9
28 Pyrene	202	16.821	16.820	(0.874)	118058	3.00000	2.9
29 Benzo(a)anthracene	228	19.204	19.208	(0.998)	92054	3.00000	3.1
30 Chrysene	228	19.284	19.288	(1.002)	96496	3.00000	3.1
31 Benzo(b)fluoranthene	252	21.211	21.215	(0.970)	92216	3.00000	3.1
32 Benzo(k)fluoranthene	252	21.255	21.255	(0.972)	98482	3.00000	3.2
33 Benzo(a)pyrene	252	21.754	21.758	(0.995)	87470	3.00000	3.2
34 Indeno(1,2,3-cd)pyrene	276	23.857	23.861	(1.091)	79859	3.00000	3.2
35 Dibenzo(a,h)anthracene	278	23.919	23.923	(1.094)	77635	3.00000	3.3
36 Benzo(g,h,i)perylene	276	24.422	24.430	(1.117)	86051	3.00000	3.1


Data File: /chem/5972hp66.i/DS100620A66.b/0F20001-CAL4A66.d
Date : 20-JUN-2010 10:33
Client ID: SSTD005Y5
Sample Info: SSTD005Y5:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS
Instrument: 5972hp66.i
Operator: MEW
Column diameter: 0.32
Y (x10^5)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
1.6
1.7
1.8
1.9
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-Phenanthrene-d10
-Terphenyl-d14
-Perylene-d12
Min
5
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25
/chem/5972hp66.i/DS100620A66.b/0F20001-CAL4A66.d

Data File: /chem/5972hp66.i/DS100620A66.b/0F20001-CAL4A66.d
Report Date: 21-Jun-2010 17:41

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100620A66.b/0F20001-CAL4A66.d
Lab Smp Id: 0F20001-CAL4 Client Smp ID: SSTD005Y5
Inj Date : 20-JUN-2010 10:33
Operator : MEW Inst ID: 5972hp66.i
Smp Info : SSTD005Y5:MEW
Misc Info : SSTD005Y5
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100620A66.b/SIM_8270Cv2DOD.m
Meth Date : 21-Jun-2010 17:40 byrd Quant Type: ISTD
Cal Date : 20-JUN-2010 10:33 Cal File: 0F20001-CAL4A66.d
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH+EXTRAICAL.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

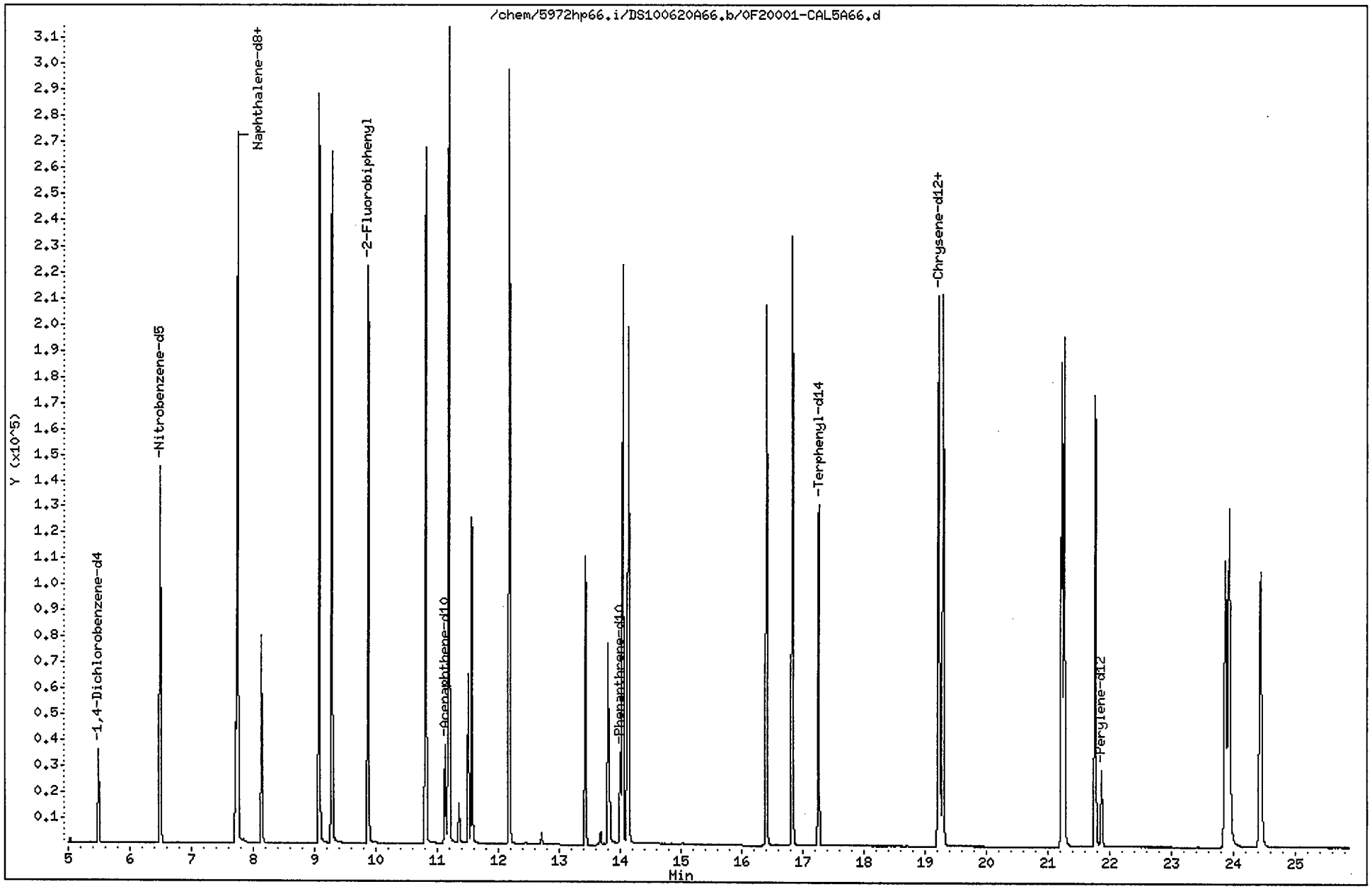
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	5.484	5.493	(1.000)	26078	2.00000	
*	2 Naphthalene-d8	136	7.718	7.718	(1.000)	78358	2.00000	
*	3 Acenaphthene-d10	164	11.129	11.129	(1.000)	39134	2.00000	
*	4 Phenanthrene-d10	188	14.003	14.003	(1.000)	68762	2.00000	
*	5 Chrysene-d12	240	19.239	19.239	(1.000)	73212	2.00000	
*	6 Perylene-d12	264	21.859	21.859	(1.000)	63643	2.00000	
$	7 2-Fluorophenol	112	Compound Not Detected.					
$	8 Phenol-d5	99	Compound Not Detected.					
$	9 Nitrobenzene-d5	82	6.490	6.490	(0.841)	90996	5.00000	4.8
$	10 2-Fluorobiphenyl	172	9.872	9.872	(0.887)	145840	5.00000	4.7
$	11 2,4,6-Tribromophenol	330	Compound Not Detected.					
$	12 Terphenyl-d14	244	17.253	17.253	(0.897)	95752	5.00000	4.2
	13 Naphthalene	128	7.753	7.753	(1.004)	218759	5.00000	4.8
	14 Hexachlorobutadiene	225	8.135	8.135	(1.054)	40105	5.00000	4.7
	15 2-Methylnaphthalene	141	9.075	9.074	(0.815)	116868	5.00000	4.9

Data File: /chem/5972hp66.i/DS100620A66.b/0F20001-CAL4A66.d
Report Date: 21-Jun-2010 17:41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
16 1-Methylnaphthalene	142	9.277	9.281	(0.834)	127449	5.00000	4.8
17 Acenaphthylene	152	10.817	10.817	(0.972)	192322	5.00000	4.8
18 Acenaphthene	154	11.187	11.187	(1.005)	106371	5.00000	5.1
20 4-Nitrophenol	139	11.563	11.563	(0.826)	107377	16.0000	16
21 Fluorene	166	12.180	12.180	(0.870)	130913	5.00000	4.9
23 Hexachlorobenzene	284	13.426	13.426	(0.959)	129175	16.0000	14
24 Pentachlorophenol	266	13.806	13.806	(0.986)	75254	16.0000	16
25 Phenanthrene	178	14.037	14.037	(1.002)	175953	5.00000	4.7
26 Anthracene	178	14.130	14.130	(1.009)	162844	5.00000	4.7
27 Fluoranthene	202	16.397	16.397	(0.852)	170369	5.00000	4.8
28 Pyrene	202	16.821	16.820	(0.874)	185649	5.00000	4.2
29 Benzo(a)anthracene	228	19.208	19.208	(0.998)	150658	5.00000	4.5
30 Chrysene	228	19.288	19.288	(1.003)	157463	5.00000	4.5
31 Benzo(b)fluoranthene	252	21.215	21.215	(0.971)	153114	5.00000	4.5
32 Benzo(k)fluoranthene	252	21.255	21.255	(0.972)	171034	5.00000	4.7
33 Benzo(a)pyrene	252	21.758	21.758	(0.995)	148148	5.00000	4.7
34 Indeno(1,2,3-cd)pyrene	276	23.857	23.861	(1.091)	131523	5.00000	4.6
35 Dibenzo(a,h)anthracene	278	23.919	23.923	(1.094)	129479	5.00000	4.7
36 Benzo(g,h,i)perylene	276	24.427	24.430	(1.117)	144944	5.00000	4.6

Data File: /chem/5972hp66.i/DS100620A66.b/0F20001-CAL5A66.d
Date : 20-JUN-2010 11:07
Client ID: SSTD010Y5
Sample Info: SSTD010Y5:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100620A66.b/0F20001-CAL5A66.d
Report Date: 21-Jun-2010 17:41

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100620A66.b/0F20001-CAL5A66.d
Lab Smp Id: 0F20001-CAL5 Client Smp ID: SSTD010Y5
Inj Date : 20-JUN-2010 11:07
Operator : MEW Inst ID: 5972hp66.i
Smp Info : SSTD010Y5:MEW
Misc Info : SSTD010Y5
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100620A66.b/SIM_8270Cv2DOD.m
Meth Date : 21-Jun-2010 17:40 byrd Quant Type: ISTD
Cal Date : 20-JUN-2010 11:07 Cal File: 0F20001-CAL5A66.d
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH+EXTRAICAL.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	5.493	5.493	(1.000)	20699	2.00000	
*	2 Naphthalene-d8	136	7.718	7.718	(1.000)	59913	2.00000	
*	3 Acenaphthene-d10	164	11.129	11.129	(1.000)	29182	2.00000	
*	4 Phenanthrene-d10	188	14.003	14.003	(1.000)	51110	2.00000	
*	5 Chrysene-d12	240	19.239	19.239	(1.000)	48765	2.00000	
*	6 Perylene-d12	264	21.859	21.859	(1.000)	39122	2.00000	
$	7 2-Fluorophenol	112	Compound Not Detected.					
$	8 Phenol-d5	99	Compound Not Detected.					
$	9 Nitrobenzene-d5	82	6.490	6.490	(0.841)	153958	10.0000	10(A)
$	10 2-Fluorobiphenyl	172	9.872	9.872	(0.887)	237039	10.0000	10(A)
$	11 2,4,6-Tribromophenol	330	Compound Not Detected.					
$	12 Terphenyl-d14	244	17.253	17.253	(0.897)	157362	10.0000	10(A)
	13 Naphthalene	128	7.753	7.753	(1.004)	355450	10.0000	10(A)
	14 Hexachlorobutadiene	225	8.135	8.135	(1.054)	64951	10.0000	9.9
	15 2-Methylnaphthalene	141	9.074	9.074	(0.815)	189384	10.0000	10(A)

Data File: /chem/5972hp66.i/DS100620A66.b/0F20001-CAL5A66.d
Report Date: 21-Jun-2010 17:41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
16 1-Methylnaphthalene	142	9.281	9.281	(0.834)	209827	10.0000	10(A)
17 Acenaphthylene	152	10.817	10.817	(0.972)	315154	10.0000	10(A)
18 Acenaphthene	154	11.187	11.187	(1.005)	173256	10.0000	11(A)
20 4-Nitrophenol	139	11.563	11.563	(0.826)	109527	20.0000	22(A)
21 Fluorene	166	12.180	12.180	(0.870)	213118	10.0000	10(A)
23 Hexachlorobenzene	284	13.426	13.426	(0.959)	130059	20.0000	19
24 Pentachlorophenol	266	13.806	13.806	(0.986)	75403	20.0000	21(A)
25 Phenanthrene	178	14.037	14.037	(1.002)	287252	10.0000	10(A)
26 Anthracene	178	14.130	14.130	(1.009)	273134	10.0000	11(A)
27 Fluoranthene	202	16.397	16.397	(0.852)	267242	10.0000	10(A)
28 Pyrene	202	16.820	16.820	(0.874)	292803	10.0000	9.9
29 Benzo(a)anthracene	228	19.208	19.208	(0.998)	255093	10.0000	11(A)
30 Chrysene	228	19.288	19.288	(1.003)	259645	10.0000	11(A)
31 Benzo(b)fluoranthene	252	21.215	21.215	(0.971)	247988	10.0000	11(A)
32 Benzo(k)fluoranthene	252	21.255	21.255	(0.972)	282393	10.0000	12(A)
33 Benzo(a)pyrene	252	21.758	21.758	(0.995)	238244	10.0000	12(A)
34 Indeno(1,2,3-cd)pyrene	276	23.861	23.861	(1.092)	190140	10.0000	11(A)
35 Dibenzo(a,h)anthracene	278	23.923	23.923	(1.094)	187302	10.0000	11(A)
36 Benzo(g,h,i)perylene	276	24.430	24.430	(1.118)	198539	10.0000	10(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/5972hp66.i/DS100620A66.b/S100620A66.d
Report Date: 22-Jun-2010 10:40

CompuChem

RECOVERY REPORT

Client Name:
Client SDG: DS100620A66
Sample Matrix: LIQUID
Fraction: SV
Lab Smp Id: SSTD003VAL
Client Smp ID: SSTD003VAL
Level: LOW
Operator: MEW
Data Type: MS DATA
SampleType: LCS
SpikeList File: 2ndsourceSIM.spk
Quant Type: ISTD
Sublist File: PAH+EXTRAICAL.sub
Method File: /chem/5972hp66.i/DS100620A66.b/SIM_8270Cv3DOD.m
Misc Info: SSTD003VAL

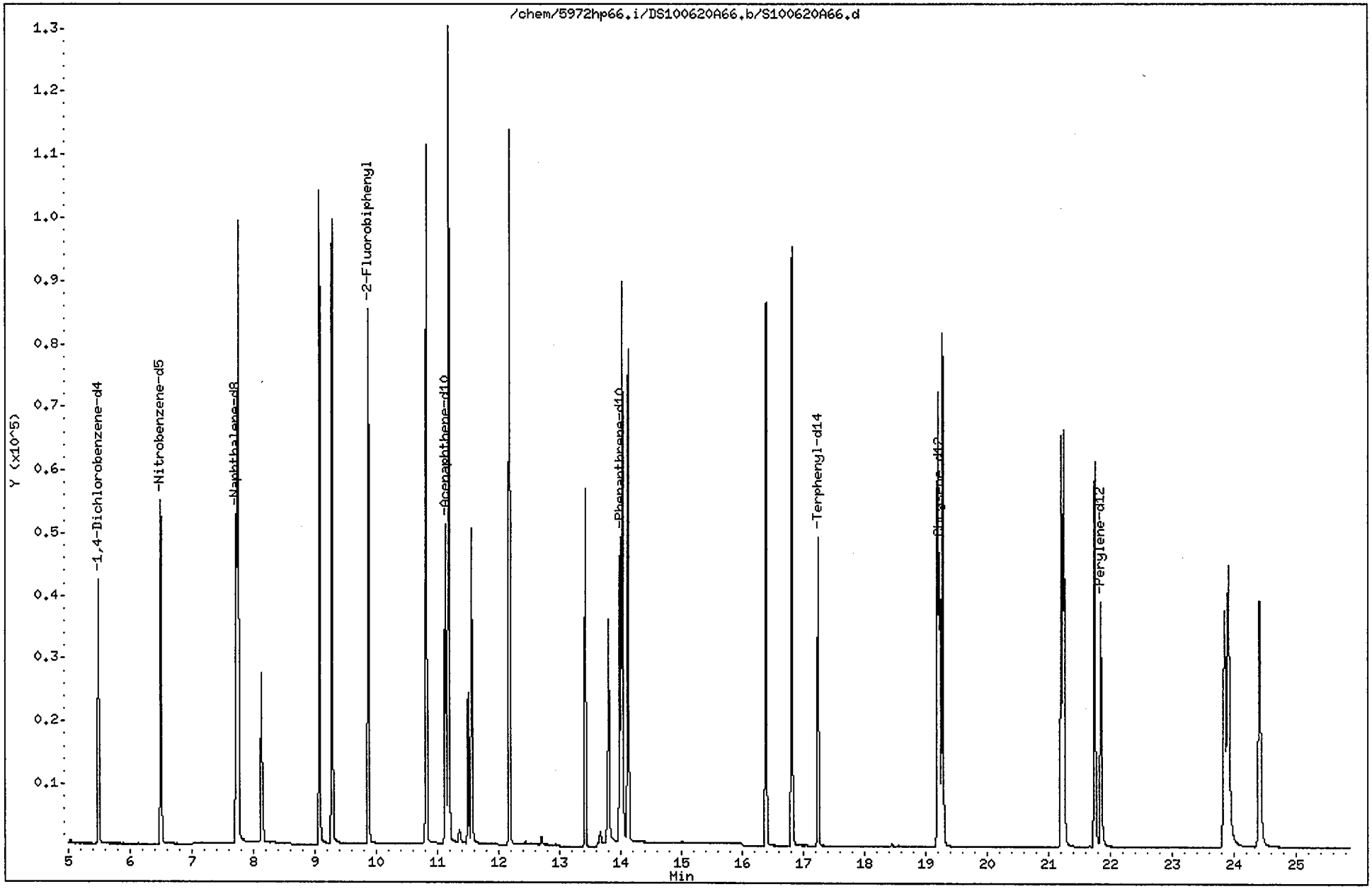
SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
13 Naphthalene	1.5	1.4	94.91	80-120
14 Hexachlorobutadien	1.5	1.5	96.85	80-120
15 2-Methylnaphthalen	1.5	1.4	96.00	80-120
16 1-Methylnaphthalen	1.5	1.4	95.53	80-120
17 Acenaphthylene	1.5	1.4	93.41	80-120
18 Acenaphthene	1.5	1.5	100.84	80-120
20 4-Nitrophenol	4.0	3.2	78.77*	80-120
21 Fluorene	1.5	1.4	94.41	80-120
23 Hexachlorobenzene	4.0	3.5	87.64	80-120
24 Pentachlorophenol	4.0	3.7	91.95	80-120
25 Phenanthrene	1.5	1.4	95.58	80-120
26 Anthracene	1.5	1.5	101.26	80-120
27 Fluoranthene	1.5	1.5	99.78	80-120
28 Pyrene	1.5	1.6	105.73	80-120
29 Benzo(a)anthracene	1.5	1.5	99.70	80-120
30 Chrysene	1.5	1.6	107.21	80-120
31 Benzo(b)fluoranthe	1.5	1.5	102.58	80-120
32 Benzo(k)fluoranthe	1.5	1.5	101.91	80-120
33 Benzo(a)pyrene	1.5	1.5	103.30	80-120
34 Indeno(1,2,3-cd)py	1.5	1.4	95.29	80-120
35 Dibenzo(a,h)anthra	1.5	1.5	98.21	80-120
36 Benzo(g,h,i)peryle	1.5	1.4	95.97	80-120

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	1.5	0.0	*	20-110
$ 8 Phenol-d5	1.5	0.0	*	10-110
$ 9 Nitrobenzene-d5	1.5	1.5	100.12	40-110
$ 10 2-Fluorobiphenyl	1.5	1.4	91.98	50-110

Data File: /chem/5972hp66.i/DS100620A66.b/S100620A66.d
Report Date: 22-Jun-2010 10:40

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 11 2,4,6-Tribromophe	1.5	0.0	*	40-125
$ 12 Terphenyl-d14	1.5	1.5	103.14	50-135

Data File: /chem/5972hp66.i/DS100620A66.b/S100620A66.d
Date : 20-JUN-2010 11:41
Client ID: SSTD003VAL
Instrument: 5972hp66.i
Sample Info: SSTD003VAL:MEW
Volume Injected (uL): 2.0
Operator: MEW
Column phase: Rtx-5MS
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100620A66.b/S100620A66.d
Report Date: 22-Jun-2010 10:40

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100620A66.b/S100620A66.d
Lab Smp Id: SSTD003VAL Client Smp ID: SSTD003VAL
Inj Date : 20-JUN-2010 11:41
Operator : MEW Inst ID: 5972hp66.i
Smp Info : SSTD003VAL:MEW
Misc Info : SSTD003VAL
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100620A66.b/SIM_8270Cv3DOD.m
Meth Date : 22-Jun-2010 10:38 byrd Quant Type: ISTD
Cal Date : 20-JUN-2010 11:07 Cal File: 0F20001-CAL5A66.d
Als bottle: 8 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH+EXTRAICAL.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	5.491	5.478	(1.000)	24776	2.00000	
* 2 Naphthalene-d8	136	7.717	7.716	(1.000)	78035	2.00000	
* 3 Acenaphthene-d10	164	11.128	11.130	(1.000)	41023	2.00000	
* 4 Phenanthrene-d10	188	14.002	14.002	(1.000)	70905	2.00000	
* 5 Chrysene-d12	240	19.235	19.235	(1.000)	61806	2.00000	
* 6 Perylene-d12	264	21.860	21.862	(1.000)	53249	2.00000	
$ 7 2-Fluorophenol	112	Compound Not Detected.					
$ 8 Phenol-d5	99	Compound Not Detected.					
$ 9 Nitrobenzene-d5	82	6.497	6.490	(0.842)	57440	3.00366	1.5
$ 10 2-Fluorobiphenyl	172	9.873	9.873	(0.887)	89625	2.75935	1.4
$ 11 2,4,6-Tribromophenol	330	Compound Not Detected.					
$ 12 Terphenyl-d14	244	17.252	17.252	(0.897)	59474	3.09417	1.5
13 Naphthalene	128	7.752	7.757	(1.004)	129712	2.84721	1.4
14 Hexachlorobutadiene	225	8.134	8.135	(1.054)	24756	2.90548	1.5
15 2-Methylnaphthalene	141	9.075	9.076	(0.816)	69336	2.87995	1.4

Data File: /chem/5972hp66.i/DS100620A66.b/S100620A66.d
Report Date: 22-Jun-2010 10:40

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
16	1-Methylnaphthalene	142	9.283	9.281	(0.834)	76551	2.86584	1.4
17	Acenaphthylene	152	10.816	10.824	(0.972)	118422	2.80221	1.4
18	Acenaphthene	154	11.186	11.191	(1.005)	67526	3.02528	1.5
20	4-Nitrophenol	139	11.564	11.563	(0.826)	44686	6.30168	3.2(R)
21	Fluorene	166	12.181	12.183	(0.870)	80973	2.83243	1.4
23	Hexachlorobenzene	284	13.423	13.426	(0.959)	66564	7.01132	3.5
24	Pentachlorophenol	266	13.806	13.806	(0.986)	36104	7.35562	3.7
25	Phenanthrene	178	14.037	14.043	(1.002)	111160	2.86736	1.4
26	Anthracene	178	14.130	14.135	(1.009)	109052	3.03774	1.5
27	Fluoranthene	202	16.396	16.394	(0.852)	110516	2.99334	1.5
28	Pyrene	202	16.820	16.823	(0.874)	119138	3.17188	1.6
29	Benzo(a)anthracene	228	19.204	19.205	(0.998)	87357	2.99112	1.5
30	Chrysene	228	19.284	19.286	(1.003)	97018	3.21642	1.6
31	Benzo(b)fluoranthene	252	21.211	21.208	(0.970)	90423	3.07751	1.5
32	Benzo(k)fluoranthene	252	21.251	21.249	(0.972)	97547	3.05734	1.5
33	Benzo(a)pyrene	252	21.754	21.750	(0.995)	85844	3.09887	1.5
34	Indeno(1,2,3-cd)pyrene	276	23.856	23.855	(1.091)	69221	2.85884	1.4
35	Dibenzo(a,h)anthracene	278	23.918	23.916	(1.094)	69197	2.94639	1.5
36	Benzo(g,h,i)perylene	276	24.426	24.427	(1.117)	76642	2.87923	1.4

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

COMPUCHEM a Division of Liberty Analytical Corp
GC/MS SEMIVOLATILE RUN LOG
LOGBOOK 4X(4) 21 (5972hp66)

DATE 6/20/10 INITIAL TIME OF TUNE 0848 SHIFT/S (A) ✓ (B)____ (C)____
TIME TUNE EXPIRES 2048
METHOD: 625 (8270C) 8270D OLC03.2 OLM04.3 SOM01.2 (Circle One) or Other: PAH SIM: (Y)N)
PREVENTIVE MAINTENANCE none 0062102

	SEQUENCE#	RESTRD	FILENAME	ARCHIVED	DATE	TIME	CLIENT ID	SDG#	AMOUNT INJECTED	CHEMIST	COMMENTS
1	0F20001		0F20001-TUNIA066	/	6/20/10	0734	DFTPPY5	–	2µL	MEW	SCD=LCD
2	S100620A		ASCAN	/	/ /	0801	SSTD003	–	↓		
3			N/A	/	/ /	0848	FC43	–	N/A		
4			0F20001-CALIA066	/	/ /	0850	SSTD0.4Y5	–	2µL		0E18005 8/18/10
5			-CAL2A066	/	/ /	0924	1.2	–			0E18006
6			-CAL3A066	/	/ /	0958	003	–			0F18002
7			-CAL4A066	/	/ /	1033	005	–			0E18009
8			-CAL5A066	/	/ /	1107	010	–			0E18010
9			S100620A066	/	/ /	1141	SSTD003VAL	–	↓	↓	0E26005 8/20/10
10					/ /						
11					/ /						
12					/ /						
13					/ /						
14					/ /						
15					/ /						
16					/ /						
17					/ /						
18					/ /						
19					/ /						
20					/ /						
21					/ /						
22					/ /						
23					/ /						
24					/ /						

MW 6/21/10

DFTPP Lot #/Exp. Date: N/A
Calibration STD Lot#/Exp. Date: See Comments
Internal STD Lot#/Exp. Date: 0F18001 11/18/10
Methylene Chloride Lot#/Exp. Date: J17S00 6/8/15
Column Type: RTX-5MS 0.32mm

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

REVIEWED BY: RM DATE 6/21/10

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: 5972HP66 Calibration Date(s): 06/29/10 06/29/10

Column: RTX-5MS ID: 0.32 (mm) Calibration Time(s): 1850 2107

LAB FILE ID: RF0.4: 0F29011-CALRF1.2: 0F29011-CALRF3: 0F29011-CAL3A
RF5: 0F29011-CAL4ARF10: 0F29011-CAL5

COMPOUND	RF0.4	RF1.2	RF3	RF5	RF10
Naphthalene	1.270	1.226	1.261	1.272	1.300
2-Methylnaphthalene	0.511	0.511	0.539	0.534	0.575
Acenaphthylene	1.853	1.733	1.877	1.887	2.096
Acenaphthene	1.211	1.210	1.244	1.221	1.313
Fluorene	1.408	1.382	1.412	1.388	1.482
Phenanthrene	1.154	1.131	1.186	1.157	1.211
Anthracene	0.871	0.908	1.036	1.014	1.103
Fluoranthene	0.989	0.996	0.948	1.037	0.926
Pyrene	1.203	1.169	1.337	1.220	1.526
Benzo(a)anthracene	0.876	0.857	0.951	0.948	1.014
Chrysene	1.075	1.068	1.093	1.088	1.108
Benzo(b)fluoranthene	1.052	1.094	1.264	1.252	1.312
Benzo(k)fluoranthene	1.304	1.344	1.395	1.412	1.551
Benzo(a)pyrene	1.026	1.053	1.180	1.184	1.293
Indeno(1,2,3-cd)pyrene	0.855	0.926	0.948	0.980	1.098
Dibenzo(a,h)anthracene	0.861	0.877	0.919	0.994	1.051
Benzo(g,h,i)perylene	1.173	1.155	1.118	1.192	1.245
Nitrobenzene-d5	1196	3466	45061	25916	134540
2-Fluorobiphenyl	1.524	1.470	1.811	1.738	1.871
Terphenyl-d14	0.588	0.555	0.616	0.575	0.688

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: 5972HP66 Calibration Date(s): 06/29/10 06/29/10

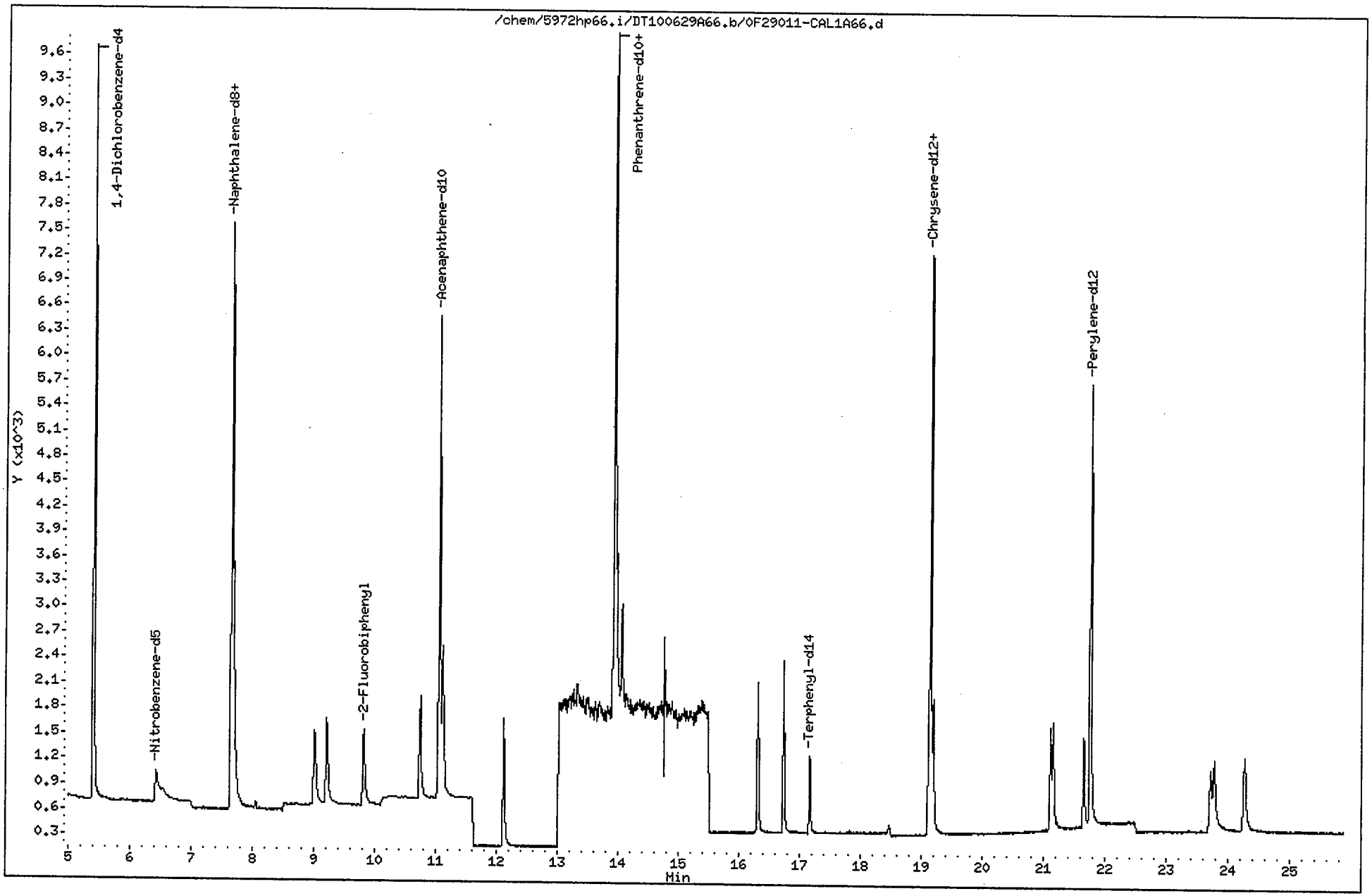
Column: RTX-5MS ID: 0.32 (mm) Calibration Time(s): 1850 2107

COMPOUND	CURVE	COEFFICENTS A0	COEFFICENTS A1	%RSD OR R^2	MAX %RSD OR R^2
Naphthalene	AVRG		1.26592337	2.090	15.000
2-Methylnaphthalene	AVRG		0.53388828	4.902	15.000
Acenaphthylene	AVRG		1.88914356	6.926	15.000
Acenaphthene	AVRG		1.23986713	3.486	30.000
Fluorene	AVRG		1.41461627	2.816	15.000
Phenanthrene	AVRG		1.16786752	2.656	15.000
Anthracene	AVRG		0.98633224	9.654	15.000
Fluoranthene	AVRG		0.97921905	4.422	30.000
Pyrene	AVRG		1.29089171	11.287	15.000
Benzo(a)anthracene	AVRG		0.92903865	6.859	15.000
Chrysene	AVRG		1.08649334	1.450	15.000
Benzo(b)fluoranthene	AVRG		1.19502347	9.579	15.000
Benzo(k)fluoranthene	AVRG		1.40123305	6.697	15.000
Benzo(a)pyrene	AVRG		1.14738279	9.465	30.000
Indeno(1,2,3-cd)pyrene	AVRG		0.96152705	9.278	15.000
Dibenzo(a,h)anthracene	AVRG		0.94052909	8.551	15.000
Benzo(g,h,i)perylene	AVRG		1.17671696	3.984	15.000
Nitrobenzene-d5	LINR	0.21814557	1.04023914	0.9938027	0.9950000
2-Fluorobiphenyl	AVRG		1.68300182	10.523	15.000
Terphenyl-d14	AVRG		0.60454228	8.572	15.000

FORM VI SV

Data File: /chem/5972hp66.i/DT100629A66.b/0F29011-CAL1A66.d
Date : 29-JUN-2010 18:50
Client ID: SSTD0.4X2
Sample Info: SSTD0.4X2:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp66.i/DT100629A66.b/0F29011-CAL1A66.d
Report Date: 02-Jul-2010 15:05

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DT100629A66.b/0F29011-CAL1A66.d
Lab Smp Id: SSTD0.4X2 Client Smp ID: SSTD0.4X2
Inj Date : 29-JUN-2010 18:50
Operator : OWS Inst ID: 5972hp66.i
Smp Info : SSTD0.4X2:OWS
Misc Info : SSTD0.4X2
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DT100629A66.b/SIM_8270Cv3DOD.m
Meth Date : 02-Jul-2010 15:05 byrd Quant Type: ISTD
Cal Date : 29-JUN-2010 18:50 Cal File: 0F29011-CAL1A66.d
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	5.403	5.403	(1.000)	5511	2.00000	
*	2 Naphthalene-d8	136	7.654	7.649	(1.000)	12429	2.00000	
*	3 Acenaphthene-d10	164	11.057	11.057	(1.000)	5691	2.00000	
*	4 Phenanthrene-d10	188	13.934	13.925	(1.000)	10002	2.00000	
*	5 Chrysene-d12	240	19.153	19.150	(1.000)	8812	2.00000	
*	6 Perylene-d12	264	21.769	21.768	(1.000)	8014	2.00000	
$	9 Nitrobenzene-d5	82	6.433	6.409	(0.841)	1196	0.40000	0.40
$	10 2-Fluorobiphenyl	172	9.819	9.796	(0.888)	1735	0.40000	0.40
$	12 Terphenyl-d14	244	17.170	17.165	(0.896)	1037	0.40000	0.40
	13 Naphthalene	128	7.687	7.682	(1.004)	3158	0.40000	0.40
	15 2-Methylnaphthalene	141	9.009	8.998	(1.177)	1271	0.40000	0.40
	17 Acenaphthylene	152	10.750	10.734	(0.972)	2109	0.40000	0.40
	18 Acenaphthene	154	11.119	11.104	(1.006)	1378	0.40000	0.40
	21 Fluorene	166	12.119	12.107	(1.096)	1603	0.40000	0.40
	25 Phenanthrene	178	13.973	13.964	(1.003)	2309	0.40000	0.40

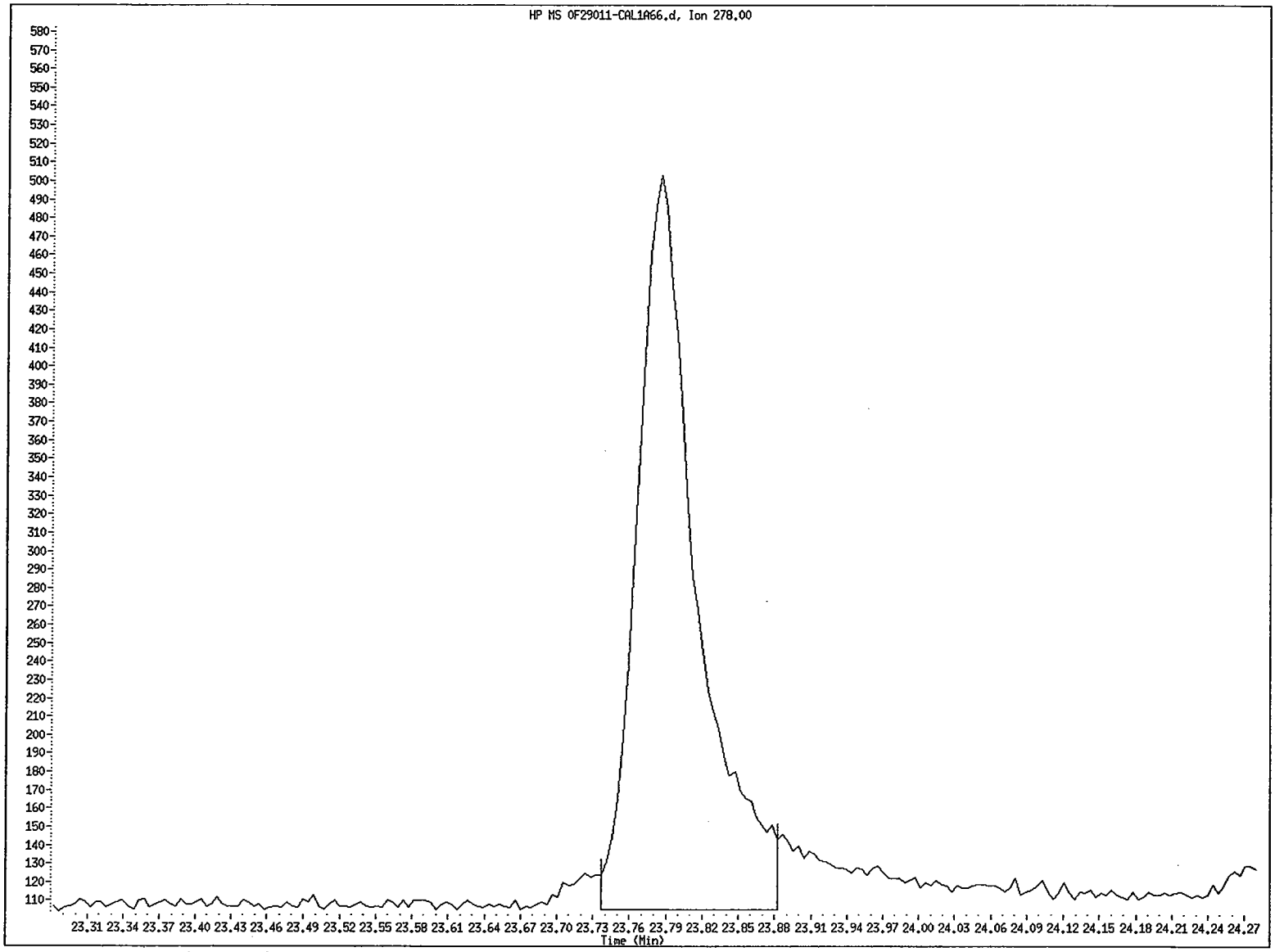
Data File: /chem/5972hp66.i/DT100629A66.b/0F29011-CAL1A66.d
Report Date: 02-Jul-2010 15:05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	14.061	14.053	(1.009)	1743	0.40000	0.40
27 Fluoranthene	202	16.318	16.313	(1.171)	1978	0.40000	0.40
28 Pyrene	202	16.741	16.737	(0.874)	2120	0.40000	0.40
29 Benzo(a)anthracene	228	19.122	19.115	(0.998)	1543	0.40000	0.40
30 Chrysene	228	19.197	19.194	(1.002)	1895	0.40000	0.40
31 Benzo(b)fluoranthene	252	21.121	21.120	(0.970)	1686	0.40000	0.40
32 Benzo(k)fluoranthene	252	21.161	21.160	(0.972)	2090	0.40000	0.40
33 Benzo(a)pyrene	252	21.664	21.663	(0.995)	1645	0.40000	0.40
34 Indeno(1,2,3-cd)pyrene	276	23.723	23.719	(1.090)	1371	0.40000	0.40
35 Dibenzo(a,h)anthracene	278	23.785	23.781	(1.093)	1380	0.40000	0.40 (M)
36 Benzo(g,h,i)perylene	276	24.275	24.271	(1.115)	1880	0.40000	0.40 (M)

QC Flag Legend

M - Compound response manually integrated.

Dibenzo(a,h)anthracene CAS Number 53-70-3 Area = 1380 Manually integrated



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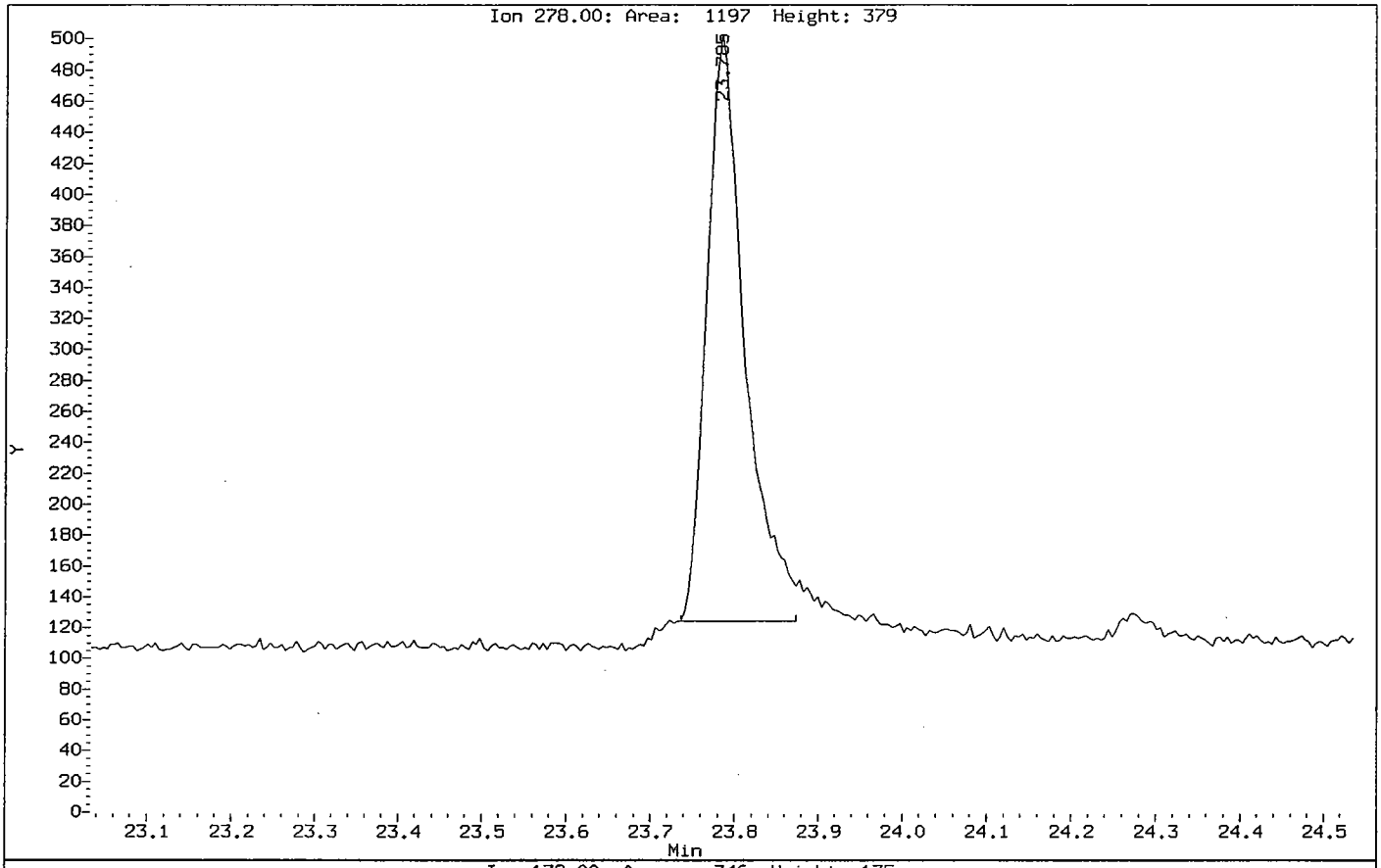
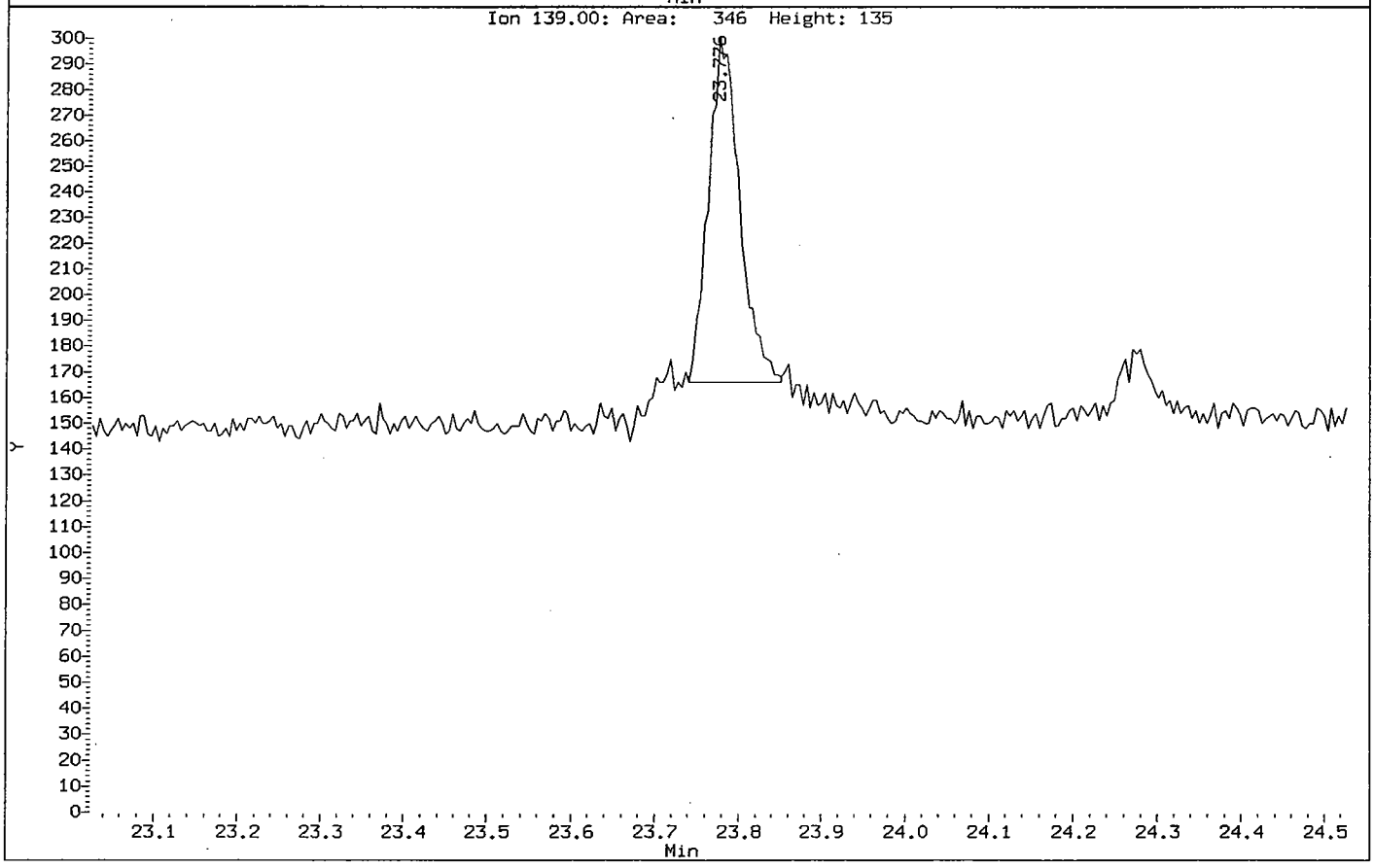
Client ID: SSTD0.4X2
Instrument ID: 5972hp66.i
Injection Date and Time: 29-JUN-2010 18:50
Retention Time: 23.79
Operator ID: OWS

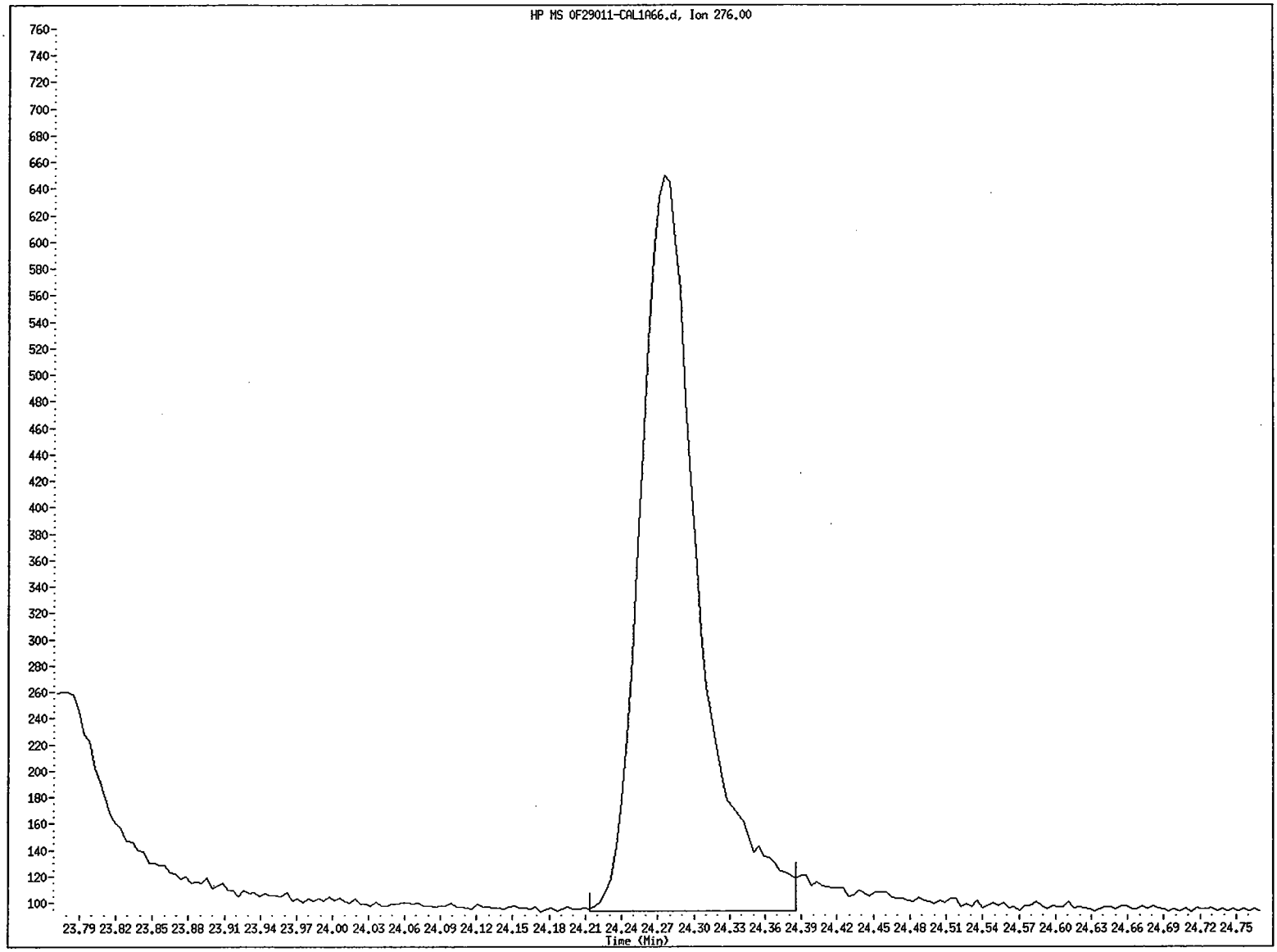
Data File: /chem/5972hp66.i/DT100629A66.b/OF29011-CAL1A66.d
Injection Date: 29-JUN-2010 18:50
Instrument: 5972hp66.i
Client Sample ID: SSTD0.4X2

Compound: Dibenzo(a,h)anthracene
CAS Number: 53-70-3





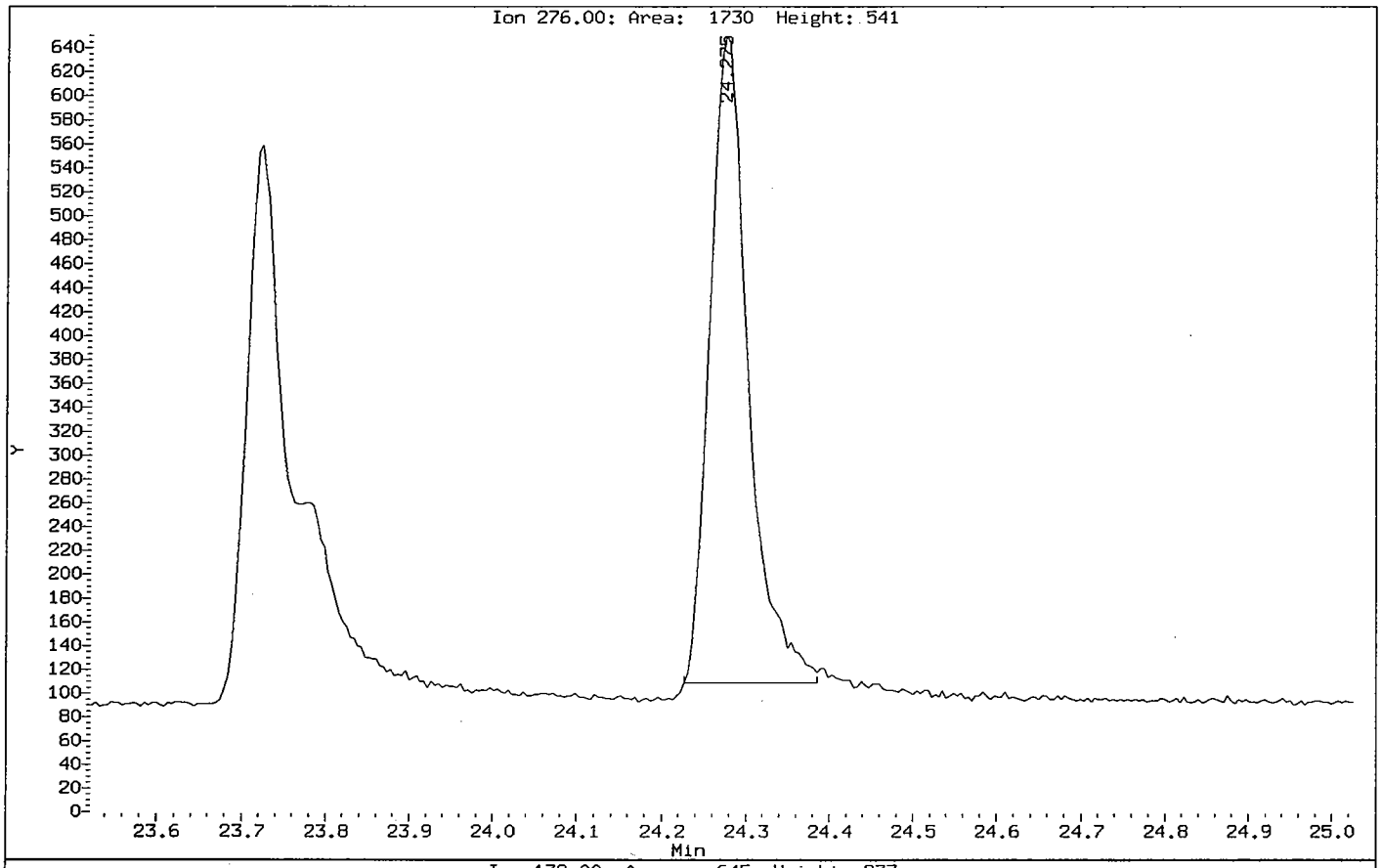
Benzo(g,h,i)perylene CAS Number 191-24-2 Area = 1880 Manually integrated

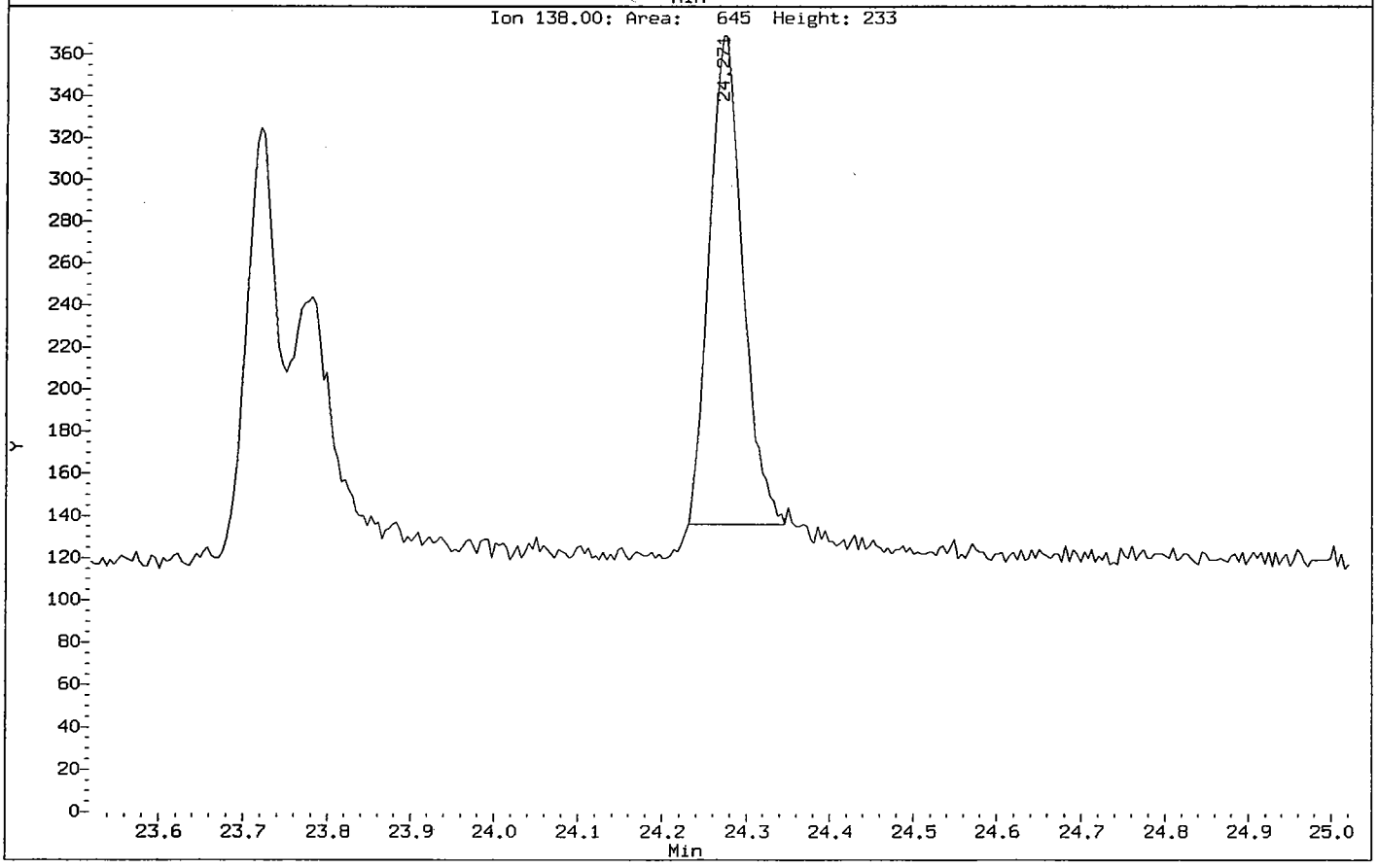


File name: /chem/5972hp66.i/DT100629A66.b/0F29011-CAL1A66.d
Client ID: SSTD0.4X2
Instrument ID: 5972hp66.i
Injection Date and Time: 29-JUN-2010 18:50
Retention Time: 24.28
Operator ID: OWS

Data File: /chem/5972hp66.i/DT100629A66.b/0F29011-CAL1A66.d
Injection Date: 29-JUN-2010 18:50
Instrument: 5972hp66.i
Client Sample ID: SSTD0.4X2

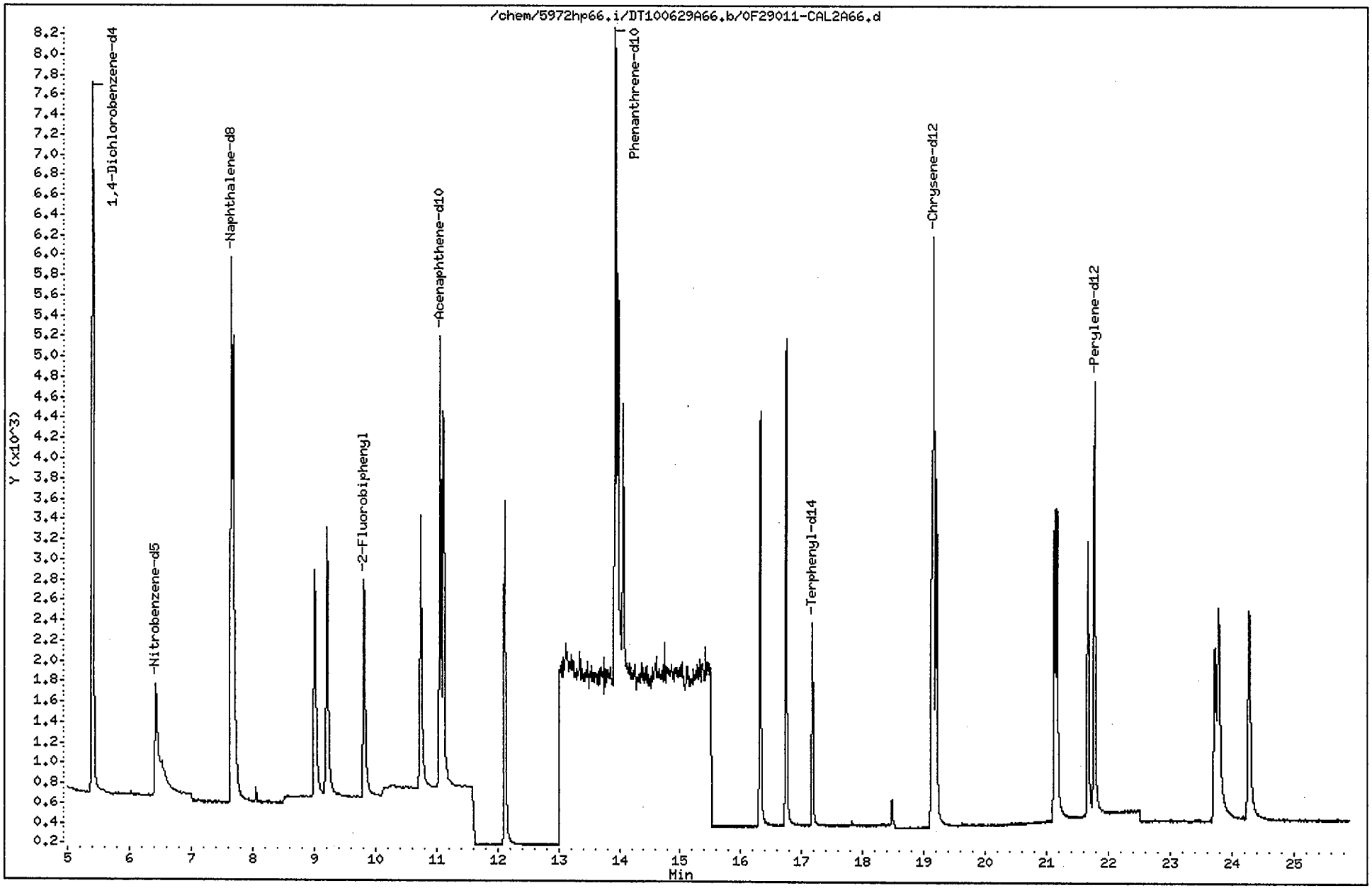
Compound: Benzo(g,h,i)perylene
CAS Number: 191-24-2





Data File: /chem/5972hp66.i/DT100629A66.b/0F29011-CAL2A66.d
Date : 29-JUN-2010 19:24
Client ID: SSTD1.2X2
Sample Info: SSTD1.2X2:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp66.i/DT100629A66.b/0F29011-CAL2A66.d
Report Date: 02-Jul-2010 15:05

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DT100629A66.b/0F29011-CAL2A66.d
Lab Smp Id: SSTD1.2X2 Client Smp ID: SSTD1.2X2
Inj Date : 29-JUN-2010 19:24
Operator : OWS Inst ID: 5972hp66.i
Smp Info : SSTD1.2X2:OWS
Misc Info : SSTD1.2X2
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DT100629A66.b/SIM_8270Cv3DOD.m
Meth Date : 02-Jul-2010 15:05 byrd Quant Type: ISTD
Cal Date : 29-JUN-2010 19:24 Cal File: 0F29011-CAL2A66.d
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	5.401	5.403	(1.000)	4679	2.00000	
* 2 Naphthalene-d8	136	7.653	7.649	(1.000)	9514	2.00000	
* 3 Acenaphthene-d10	164	11.057	11.057	(1.000)	4339	2.00000	
* 4 Phenanthrene-d10	188	13.929	13.925	(1.000)	7522	2.00000	
* 5 Chrysene-d12	240	19.149	19.150	(1.000)	6998	2.00000	
* 6 Perylene-d12	264	21.769	21.768	(1.000)	6403	2.00000	
$ 9 Nitrobenzene-d5	82	6.430	6.409	(0.840)	3466	1.20000	1.3
$ 10 2-Fluorobiphenyl	172	9.807	9.796	(0.887)	3827	1.20000	1.2
$ 12 Terphenyl-d14	244	17.169	17.165	(0.897)	2329	1.20000	1.2
13 Naphthalene	128	7.686	7.682	(1.004)	7000	1.20000	1.2
15 2-Methylnaphthalene	141	9.009	8.998	(1.177)	2915	1.20000	1.2
17 Acenaphthylene	152	10.750	10.734	(0.972)	4512	1.20000	1.2
18 Acenaphthene	154	11.119	11.104	(1.006)	3151	1.20000	1.2
21 Fluorene	166	12.119	12.107	(1.096)	3597	1.20000	1.2
25 Phenanthrene	178	13.974	13.964	(1.003)	5104	1.20000	1.2

Data File: /chem/5972hp66.i/DT100629A66.b/0F29011-CAL2A66.d
Report Date: 02-Jul-2010 15:05

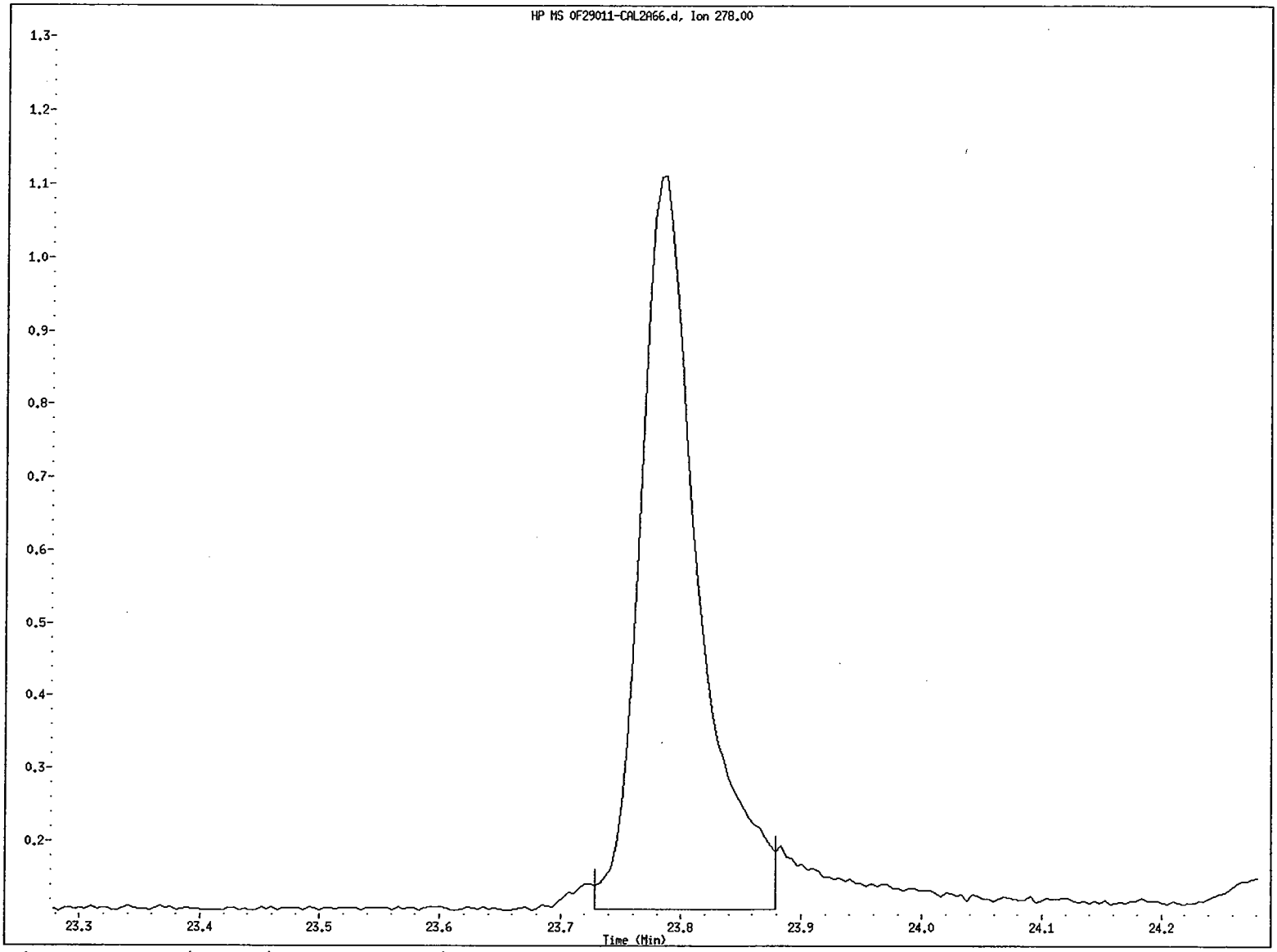
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	14.057	14.053	(1.009)	4096	1.20000	1.2
27 Fluoranthene	202	16.317	16.313	(1.171)	4496	1.20000	1.2
28 Pyrene	202	16.740	16.737	(0.874)	4909	1.20000	1.2
29 Benzo(a)anthracene	228	19.118	19.115	(0.998)	3597	1.20000	1.2
30 Chrysene	228	19.198	19.194	(1.003)	4484	1.20000	1.2
31 Benzo(b)fluoranthene	252	21.121	21.120	(0.970)	4204	1.20000	1.2
32 Benzo(k)fluoranthene	252	21.161	21.160	(0.972)	5164	1.20000	1.2
33 Benzo(a)pyrene	252	21.664	21.663	(0.995)	4047	1.20000	1.2
34 Indeno(1,2,3-cd)pyrene	276	23.724	23.719	(1.090)	3557	1.20000	1.2
35 Dibenzo(a,h)anthracene	278	23.786	23.781	(1.093)	3371	1.20000	1.2(M)
36 Benzo(g,h,i)perylene	276	24.276	24.271	(1.115)	4439	1.20000	1.2(M)

2.70 ng/mL
2.30 ng/mL
pm 7/2/10

QC Flag Legend

M - Compound response manually integrated.

Dibenzo(a,h)anthracene CAS Number 53-70-3 Area = 3371 Manually integrated



File name: /chem/5972hp66.i/DT100629A66.b/0F29011-CAL2A66.d
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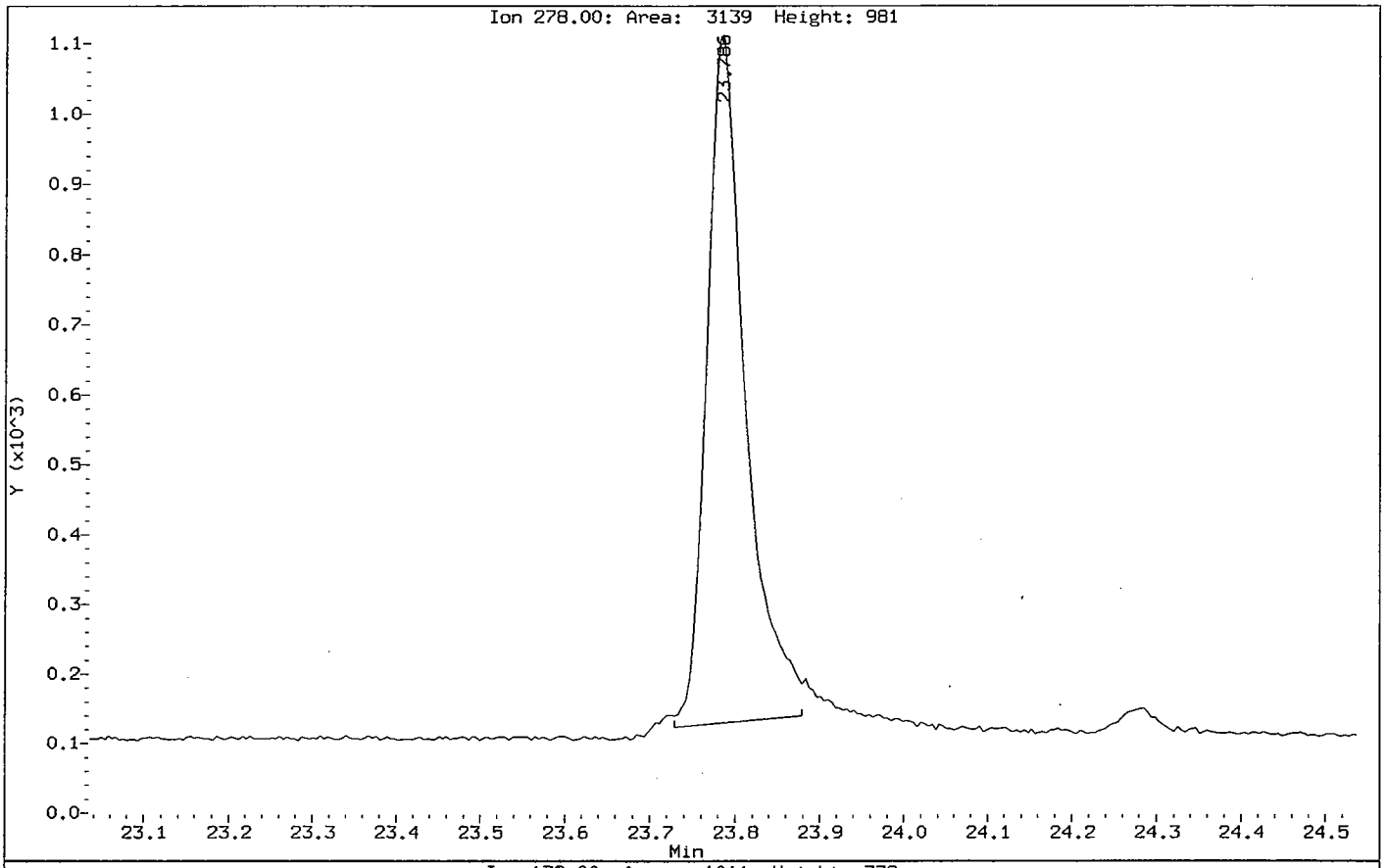
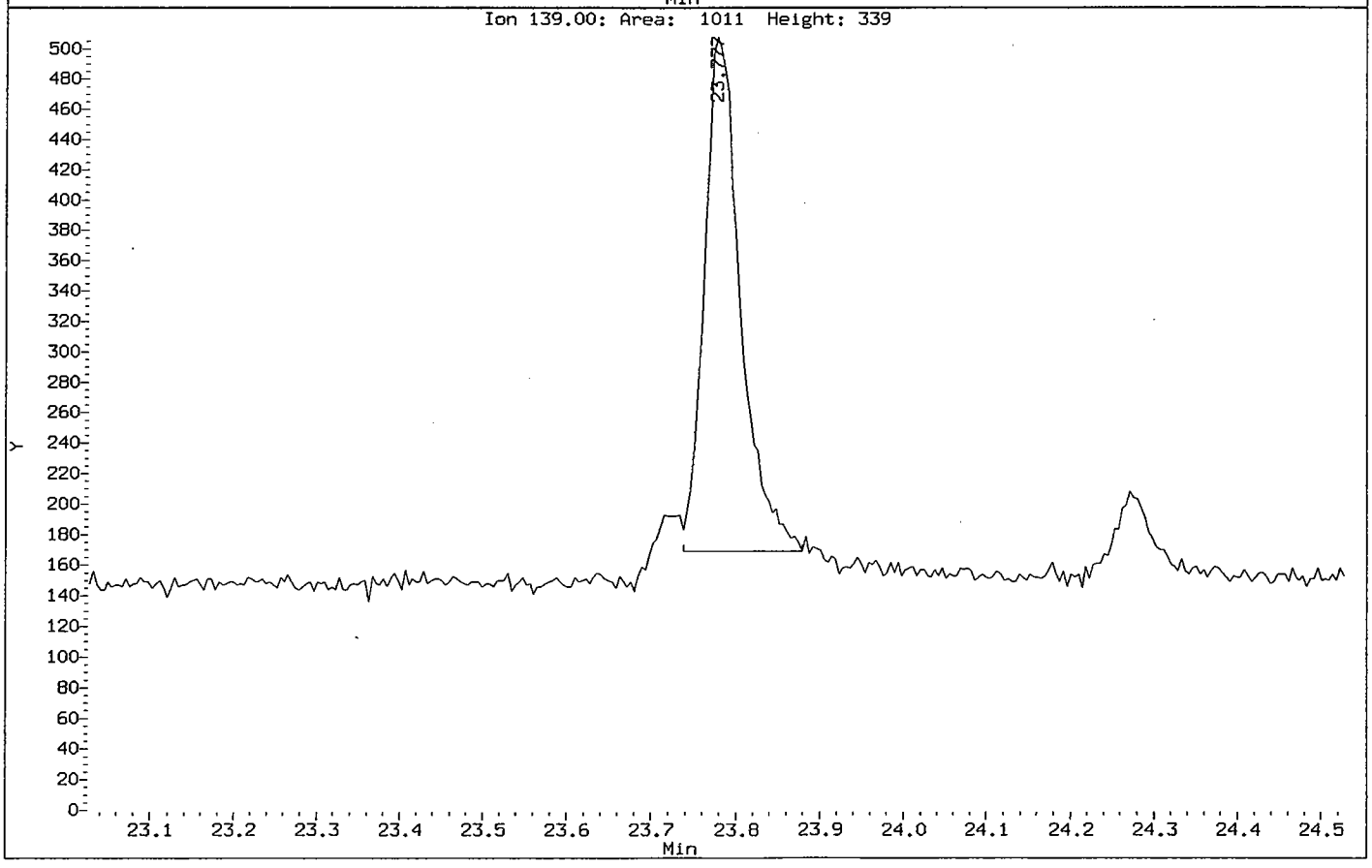
Instrument ID: 5972hp66.i
Injection Date and Time: 29-JUN-2010 19:24
Retention Time: 23.79
Operator ID: OWS

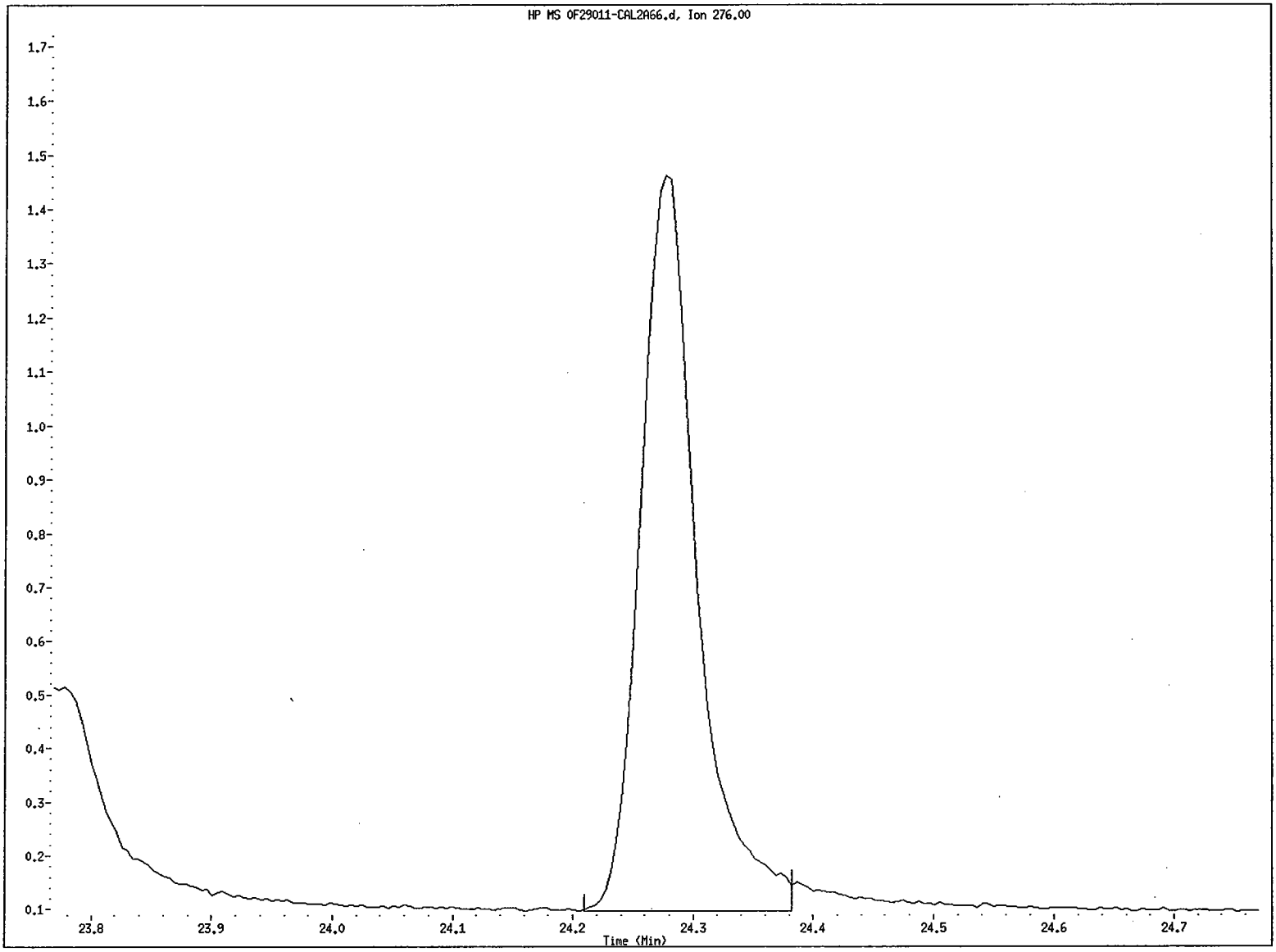
Data File: /chem/5972hp66.i/DT100629A66.b/0F29011-CAL2A66.d
Injection Date: 29-JUN-2010 19:24
Instrument: 5972hp66.i
Client Sample ID: SSTD1.2X2

Compound: Dibenzo(a,h)anthracene
CAS Number: 53-70-3





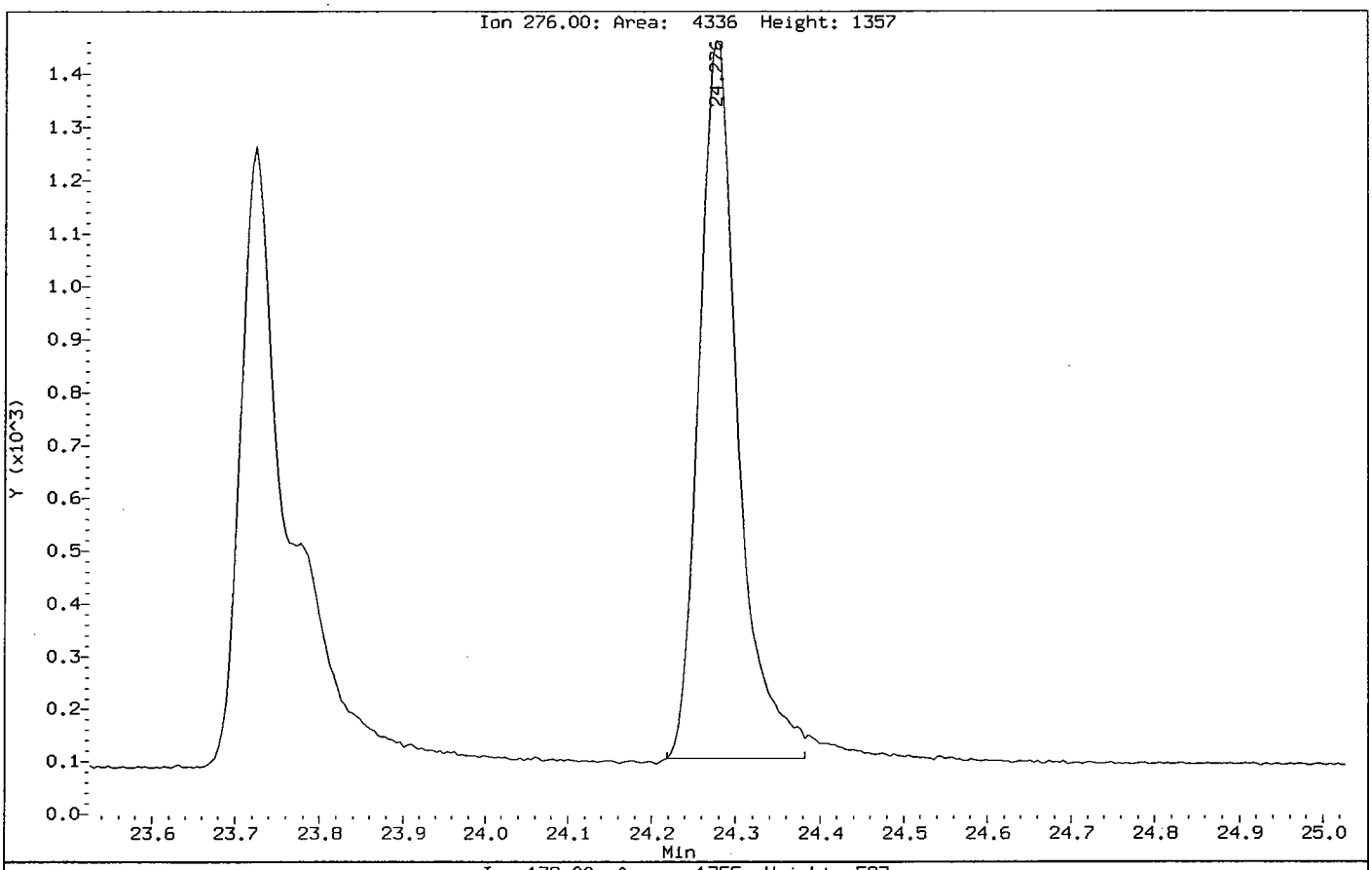
Benzo(g,h,i)perylene CAS Number 191-24-2 Area = 4439 Manually integrated

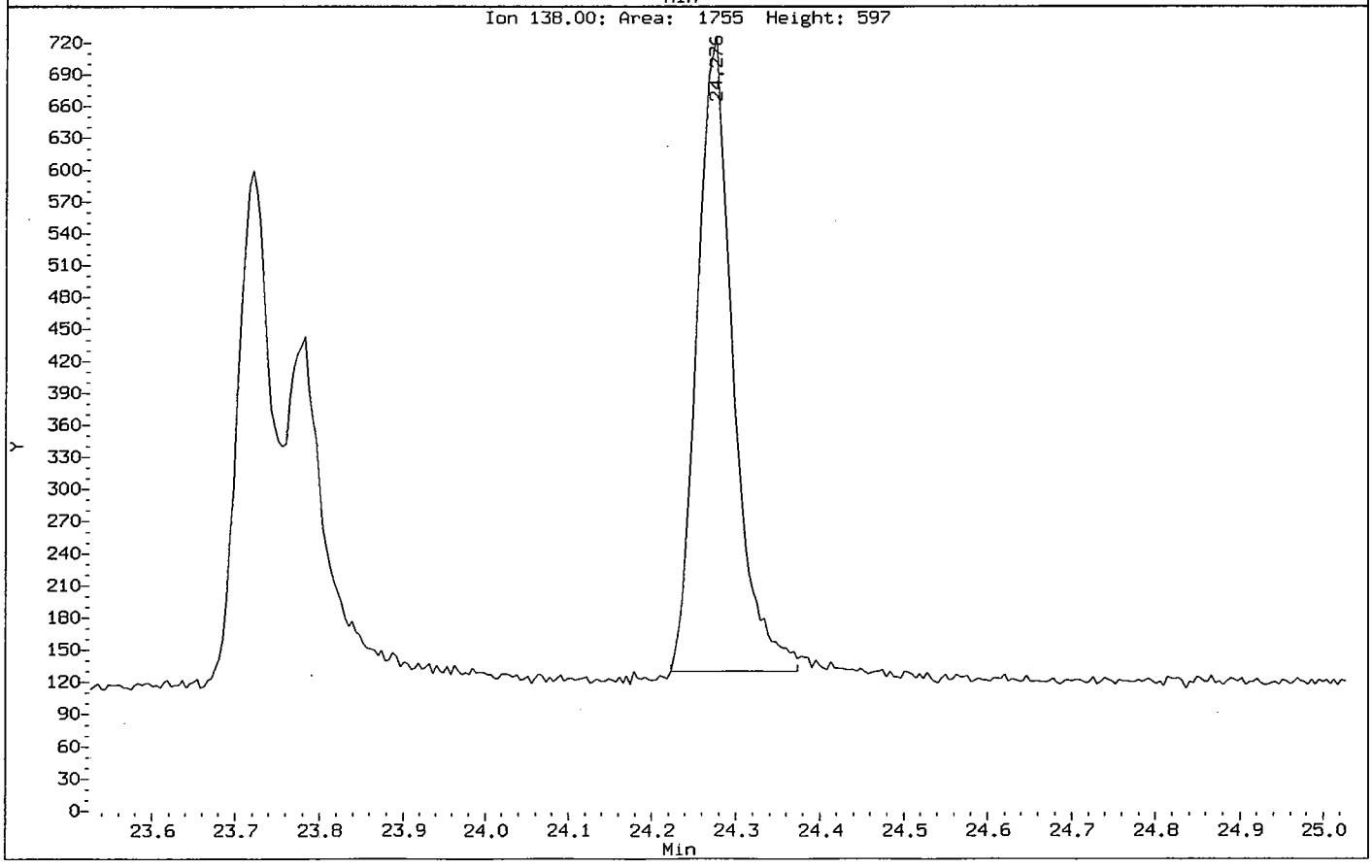


File name: /chem/5972hp66.i/DT100629A66.b/0F29011-CAL2A66.d
Client ID: SSTD1.2X2
Instrument ID: 5972hp66.i
Injection Date and Time: 29-JUN-2010 19:24
Retention Time: 24.28
Operator ID: OWS

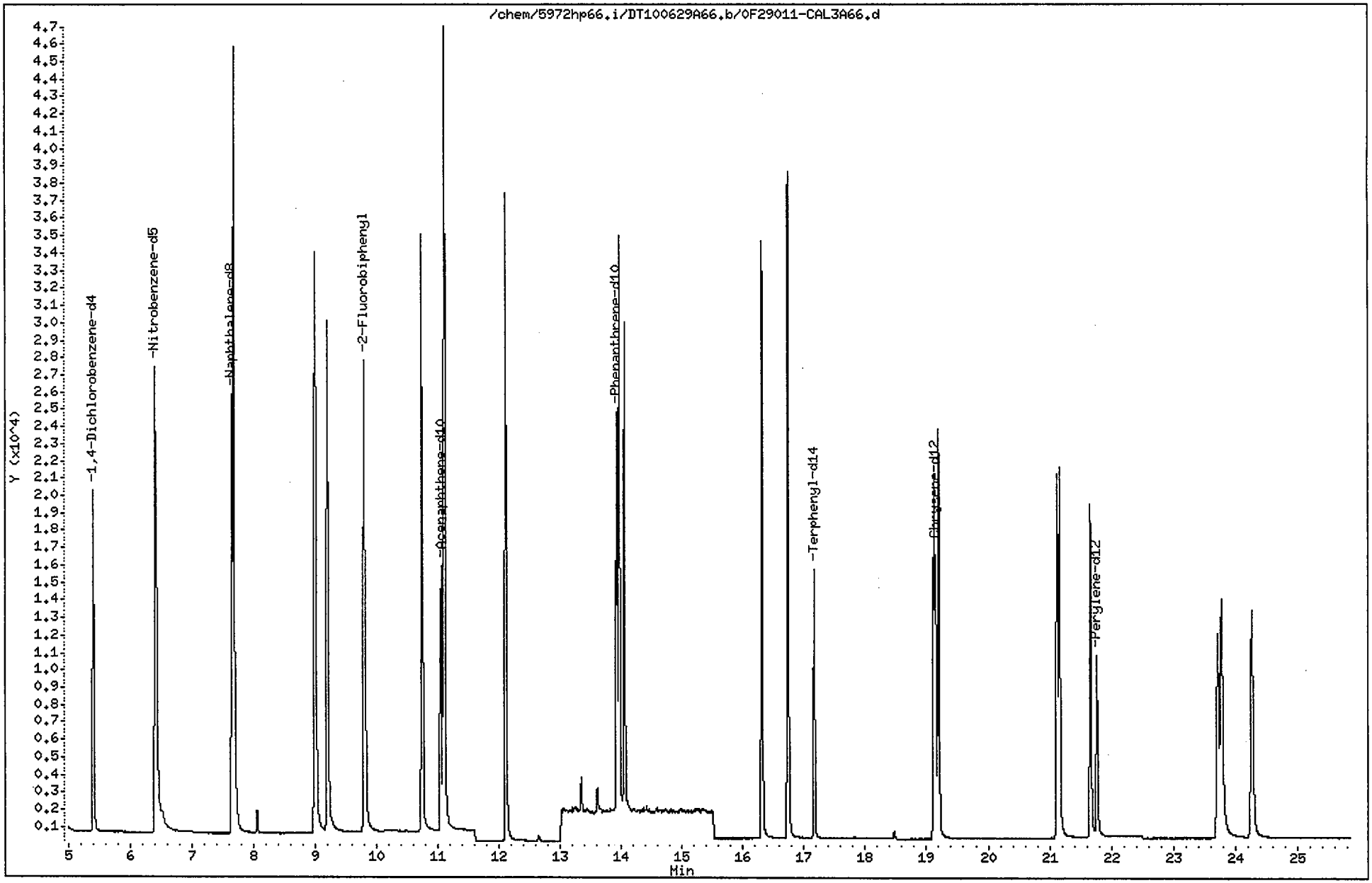
Data File: /chem/5972hp66.i/DT100629A66.b/0F29011-CAL2A66.d
Injection Date: 29-JUN-2010 19:24
Instrument: 5972hp66.i
Client Sample ID: SSTD1.2X2

Compound: Benzo(g,h,i)perylene
CAS Number: 191-24-2





Data File: /chem/5972hp66.i/DT100629A66.b/0F29011-CAL3A66.d
Date : 29-JUN-2010 19:59
Client ID: SSTD003X2
Instrument: 5972hp66.i
Sample Info: SSTD003X2:OWS
Volume Injected (uL): 2.0
Operator: OWS
Column phase: Rtx-5MS
Column diameter: 0.32



Data File: /chem/5972hp66.i/DT100629A66.b/0F29011-CAL3A66.d
Report Date: 02-Jul-2010 15:11

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DT100629A66.b/0F29011-CAL3A66.d
Lab Smp Id: 0F29011-CAL Client Smp ID: SSTD003X2
Inj Date : 29-JUN-2010 19:59
Operator : OWS Inst ID: 5972hp66.i
Smp Info : SSTD003X2:OWS
Misc Info : SSTD003X2
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DT100629A66.b/SIM_8270Cv3DOD.m
Meth Date : 02-Jul-2010 15:10 byrd Quant Type: ISTD
Cal Date : 29-JUN-2010 19:59 Cal File: 0F29011-CAL3A66.d
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

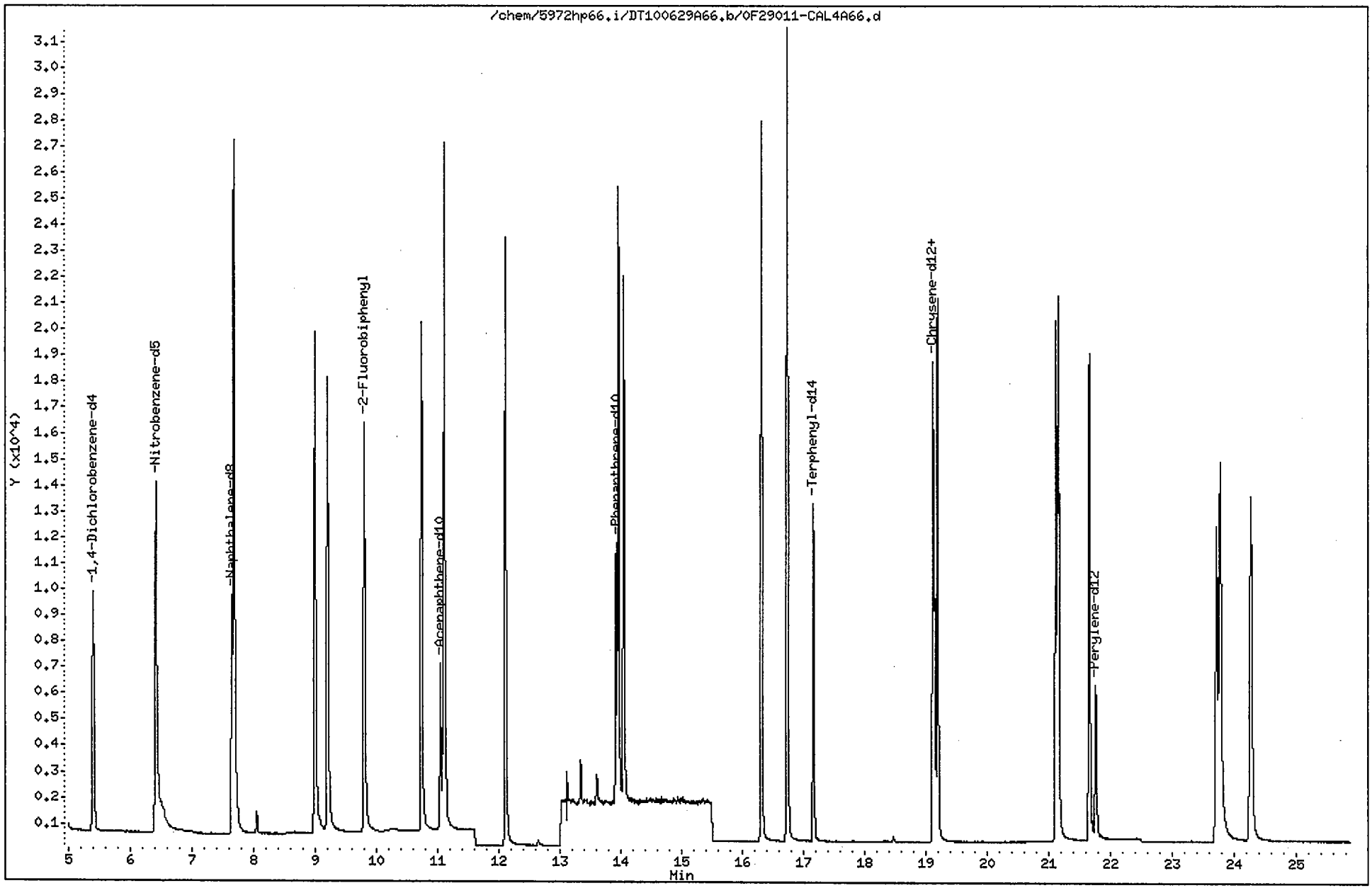
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	5.404	5.404	(1.000)	12598	2.00000	
* 2 Naphthalene-d8	136	7.648	7.648	(1.000)	35161	2.00000	
* 3 Acenaphthene-d10	164	11.058	11.058	(1.000)	15091	2.00000	
* 4 Phenanthrene-d10	188	13.925	13.925	(1.000)	23917	2.00000	
* 5 Chrysene-d12	240	19.149	19.149	(1.000)	18179	2.00000	
* 6 Perylene-d12	264	21.769	21.769	(1.000)	14820	2.00000	
$ 9 Nitrobenzene-d5	82	6.410	6.410	(0.838)	45061	3.00000	3.1
$ 10 2-Fluorobiphenyl	172	9.795	9.795	(0.886)	40991	3.00000	3.2
$ 12 Terphenyl-d14	244	17.169	17.169	(0.897)	16796	3.00000	3.1
13 Naphthalene	128	7.681	7.681	(1.004)	66520	3.00000	3.0
15 2-Methylnaphthalene	141	8.997	8.997	(1.176)	28436	3.00000	3.0
17 Acenaphthylene	152	10.735	10.735	(0.971)	42493	3.00000	3.0
18 Acenaphthene	154	11.104	11.104	(1.004)	28151	3.00000	3.0
21 Fluorene	166	12.108	12.108	(1.095)	31975	3.00000	3.0
25 Phenanthrene	178	13.965	13.965	(1.003)	42561	3.00000	3.0

Data File: /chem/5972hp66.i/DT100629A66.b/0F29011-CAL3A66.d
Report Date: 02-Jul-2010 15:11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	14.053	14.053	(1.009)	37152	3.00000	3.1
27 Fluoranthene	202	16.313	16.313	(1.171)	34006	3.00000	2.9
28 Pyrene	202	16.737	16.737	(0.874)	36452	3.00000	3.1
29 Benzo(a)anthracene	228	19.118	19.118	(0.998)	25929	3.00000	3.1
30 Chrysene	228	19.197	19.197	(1.003)	29806	3.00000	3.0
31 Benzo(b)fluoranthene	252	21.121	21.121	(0.970)	28112	3.00000	3.2
32 Benzo(k)fluoranthene	252	21.161	21.161	(0.972)	31012	3.00000	3.0
33 Benzo(a)pyrene	252	21.664	21.664	(0.995)	26234	3.00000	3.1
34 Indeno(1,2,3-cd)pyrene	276	23.719	23.719	(1.090)	21070	3.00000	3.0
35 Dibenzo(a,h)anthracene	278	23.781	23.781	(1.092)	20434	3.00000	2.9
36 Benzo(g,h,i)perylene	276	24.271	24.271	(1.115)	24859	3.00000	2.9

Data File: /chem/5972hp66.i/DT100629A66.b/OF29011-CAL4A66.d
Date : 29-JUN-2010 20:33
Client ID: SSTD005X2
Sample Info: SSTD005X2;OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp66.i/DT100629A66.b/0F29011-CAL4A66.d
Report Date: 02-Jul-2010 15:05

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DT100629A66.b/0F29011-CAL4A66.d
Lab Smp Id: SSTD005X2 Client Smp ID: SSTD005X2
Inj Date : 29-JUN-2010 20:33
Operator : OWS Inst ID: 5972hp66.i
Smp Info : SSTD005X2:OWS
Misc Info : SSTD005X2
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DT100629A66.b/SIM_8270Cv3DOD.m
Meth Date : 02-Jul-2010 15:05 byrd Quant Type: ISTD
Cal Date : 29-JUN-2010 20:33 Cal File: 0F29011-CAL4A66.d
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	5.400	5.403	(1.000)	5590	2.00000	
* 2 Naphthalene-d8	136	7.649	7.649	(1.000)	13316	2.00000	
* 3 Acenaphthene-d10	164	11.057	11.057	(1.000)	6019	2.00000	
* 4 Phenanthrene-d10	188	13.925	13.925	(1.000)	10611	2.00000	
* 5 Chrysene-d12	240	19.149	19.150	(1.000)	9901	2.00000	
* 6 Perylene-d12	264	21.769	21.768	(1.000)	8610	2.00000	
$ 9 Nitrobenzene-d5	82	6.418	6.409	(0.839)	25916	5.00000	5.7(M)
$ 10 2-Fluorobiphenyl	172	9.808	9.796	(0.887)	26159	5.00000	5.3
$ 12 Terphenyl-d14	244	17.169	17.165	(0.897)	14242	5.00000	4.9
13 Naphthalene	128	7.682	7.682	(1.004)	42341	5.00000	5.1
15 2-Methylnaphthalene	141	8.999	8.998	(1.177)	17766	5.00000	5.1
17 Acenaphthylene	152	10.734	10.734	(0.971)	28391	5.00000	5.1
18 Acenaphthene	154	11.103	11.104	(1.004)	18379	5.00000	5.0
21 Fluorene	166	12.109	12.107	(1.095)	20894	5.00000	5.0
25 Phenanthrene	178	13.969	13.964	(1.003)	30694	5.00000	5.0

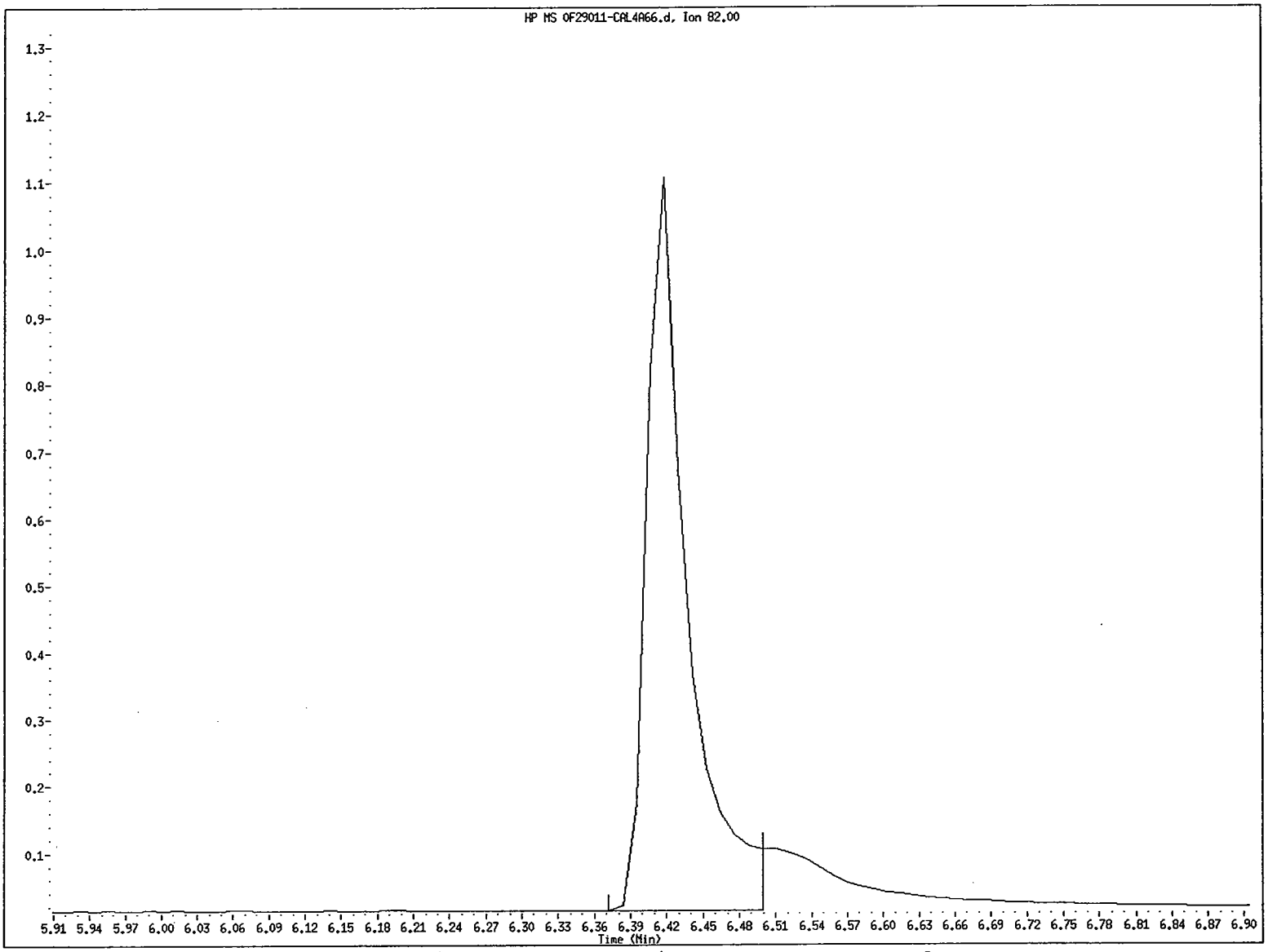
Data File: /chem/5972hp66.i/DT100629A66.b/0F29011-CAL4A66.d
Report Date: 02-Jul-2010 15:05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	14.053	14.053	(1.009)	26900	5.00000	5.3
27 Fluoranthene	202	16.313	16.313	(1.171)	27508	5.00000	5.2
28 Pyrene	202	16.737	16.737	(0.874)	30193	5.00000	4.9
29 Benzo(a)anthracene	228	19.118	19.115	(0.998)	23454	5.00000	5.2
30 Chrysene	228	19.197	19.194	(1.003)	26929	5.00000	5.0
31 Benzo(b)fluoranthene	252	21.121	21.120	(0.970)	26961	5.00000	5.4
32 Benzo(k)fluoranthene	252	21.161	21.160	(0.972)	30399	5.00000	5.2
33 Benzo(a)pyrene	252	21.663	21.663	(0.995)	25480	5.00000	5.3
34 Indeno(1,2,3-cd)pyrene	276	23.719	23.719	(1.090)	21096	5.00000	5.3
35 Dibenzo(a,h)anthracene	278	23.780	23.781	(1.092)	21386	5.00000	5.5
36 Benzo(g,h,i)perylene	276	24.275	24.271	(1.115)	25653	5.00000	5.1

QC Flag Legend

M - Compound response manually integrated.

Nitrobenzene-d5 CAS Number 4165-60-0 Area = 25916 Manually integrated



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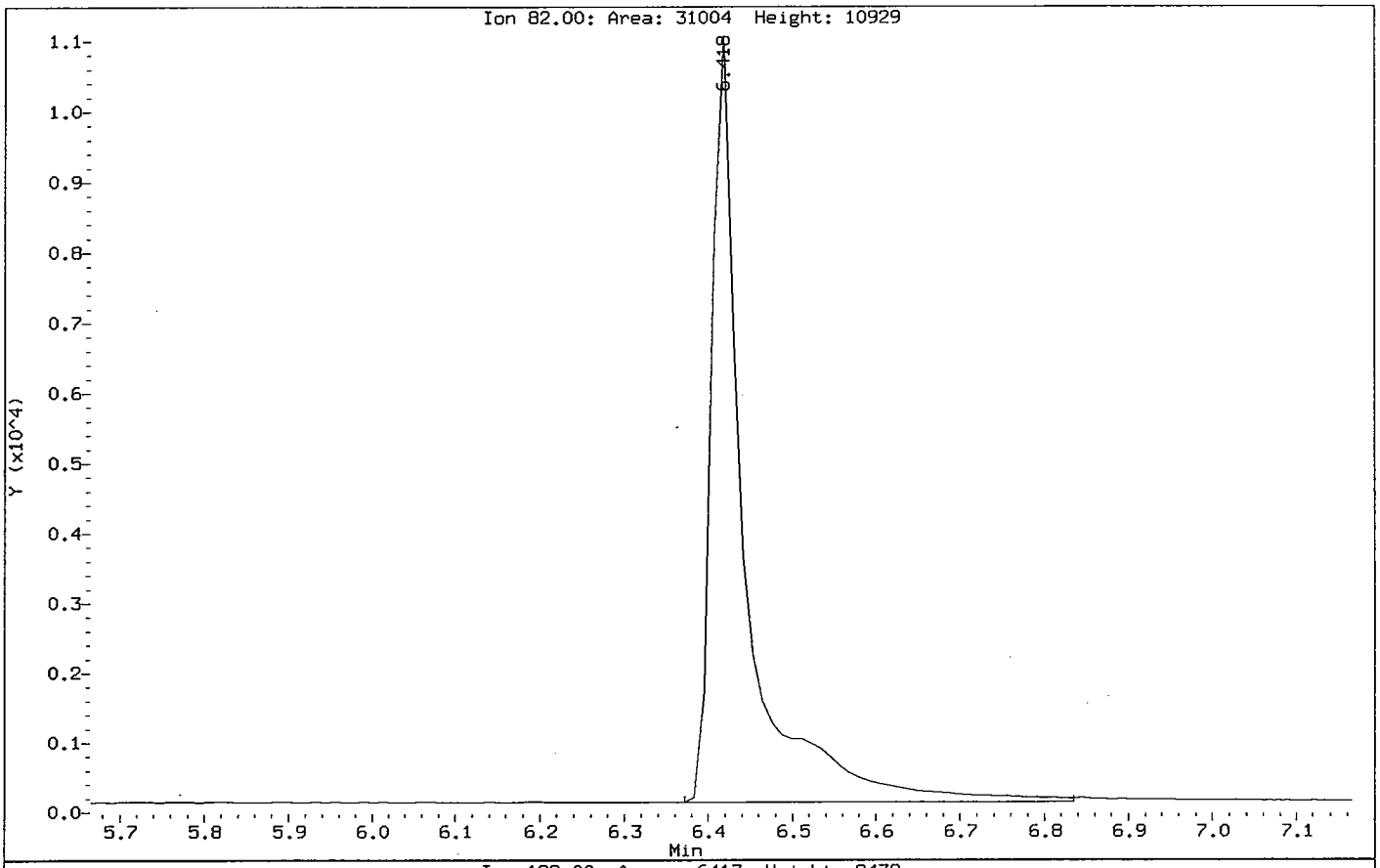
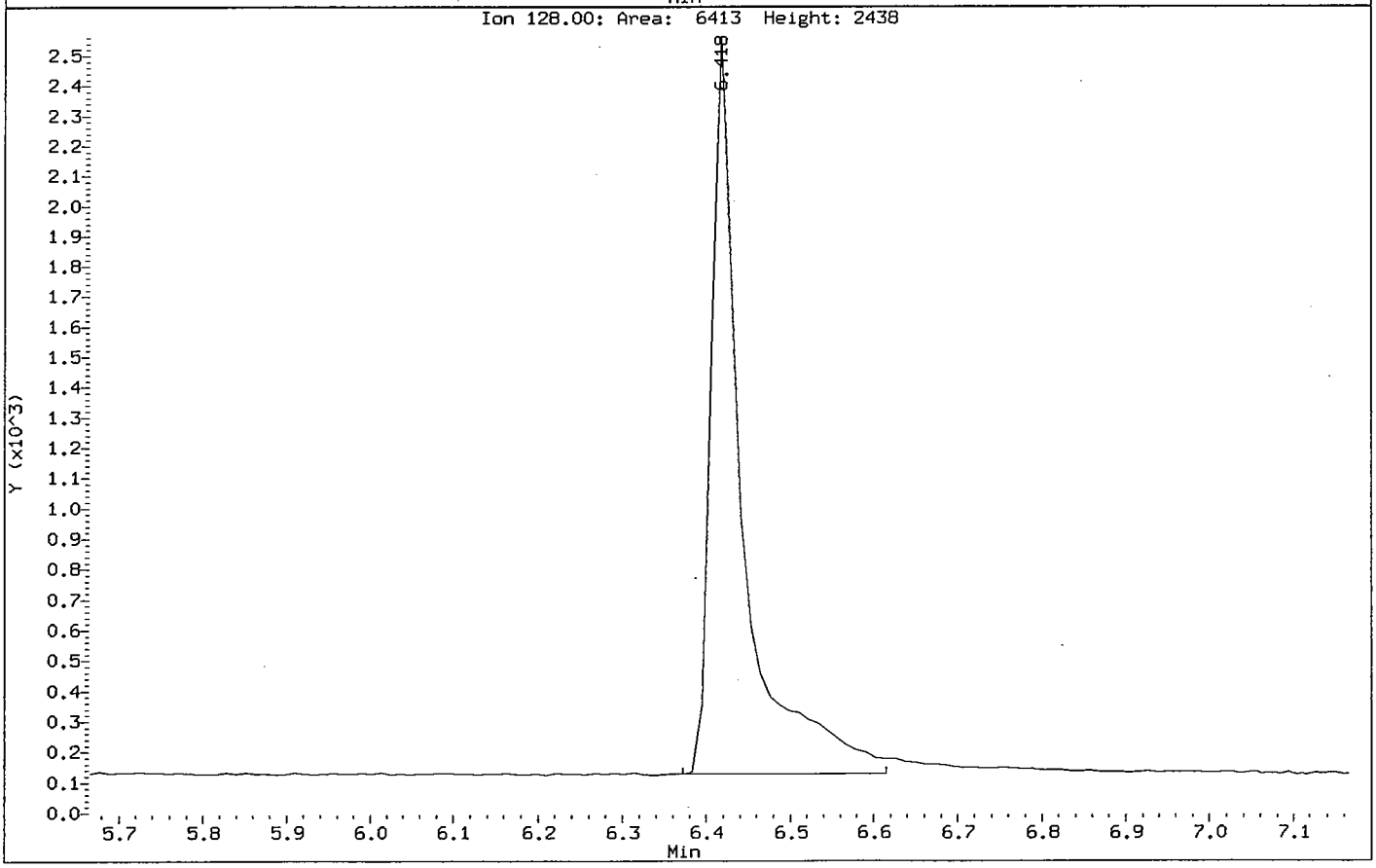
Instrument ID: 5972hp66.i
Injection Date and Time: 29-JUN-2010 20:33
Retention Time: 6.42
Operator ID: OWS

Data File: /chem/5972hp66.i/DT100629A66.b/OF29011-CAL4A66.d
Injection Date: 29-JUN-2010 20:33
Instrument: 5972hp66.i
Client Sample ID: SSTD005X2

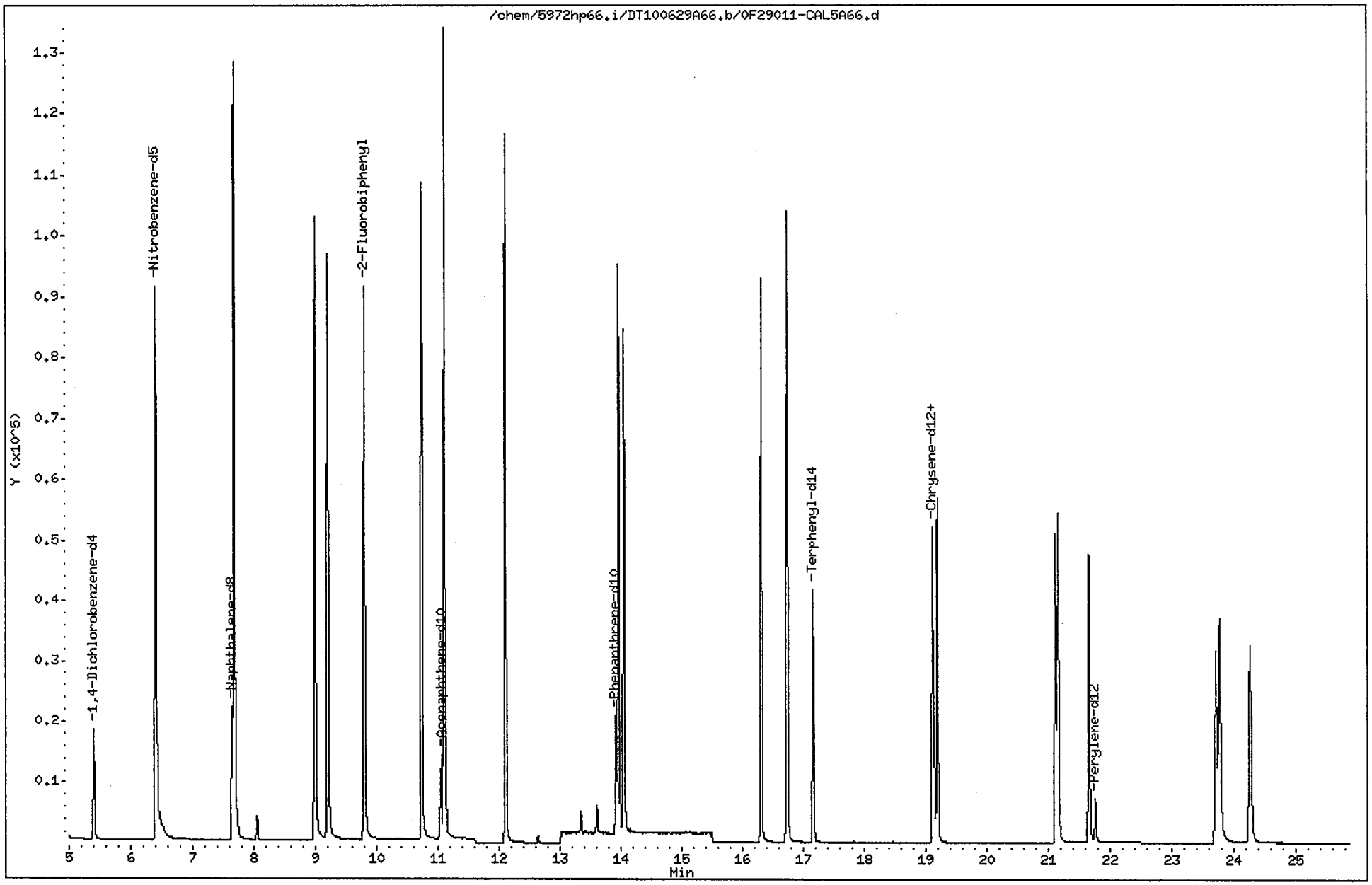
Compound: Nitrobenzene-d5
CAS Number: 4165-60-0





Data File: /chem/5972hp66.i/DT100629A66.b/0F29011-CAL5A66.d
Date : 29-JUN-2010 21:07
Client ID: SSTD010X2
Sample Info: SSTD010X2:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp66.i/DT100629A66.b/0F29011-CAL5A66.d
Report Date: 02-Jul-2010 15:05

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DT100629A66.b/0F29011-CAL5A66.d
Lab Smp Id: SSTD010X2 Client Smp ID: SSTD010X2
Inj Date : 29-JUN-2010 21:07
Operator : OWS Inst ID: 5972hp66.i
Smp Info : SSTD010X2:OWS
Misc Info : SSTD010X2
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DT100629A66.b/SIM_8270Cv3DOD.m
Meth Date : 02-Jul-2010 15:05 byrd Quant Type: ISTD
Cal Date : 29-JUN-2010 21:07 Cal File: 0F29011-CAL5A66.d
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)	
* 1 1,4-Dichlorobenzene-d4	152	5.403	5.403	(1.000)	10719	2.00000		
* 2 Naphthalene-d8	136	7.649	7.649	(1.000)	28723	2.00000		
* 3 Acenaphthene-d10	164	11.057	11.057	(1.000)	12517	2.00000		
* 4 Phenanthrene-d10	188	13.925	13.925	(1.000)	19670	2.00000		
* 5 Chrysene-d12	240	19.150	19.150	(1.000)	12720	2.00000		
* 6 Perylene-d12	264	21.768	21.768	(1.000)	9874	2.00000		
$ 9 Nitrobenzene-d5	82	6.409	6.409	(0.838)	134540	10.0000	13(AM)	
$ 10 2-Fluorobiphenyl	172	9.796	9.796	(0.886)	117122	10.0000	11(A)	
$ 12 Terphenyl-d14	244	17.165	17.165	(0.896)	43776	10.0000	11(A)	
13 Naphthalene	128	7.682	7.682	(1.004)	186672	10.0000	10(A)	
15 2-Methylnaphthalene	141	8.998	8.998	(1.176)	82529	10.0000	11(A)	
17 Acenaphthylene	152	10.734	10.734	(0.971)	131161	10.0000	11(A)	
18 Acenaphthene	154	11.104	11.104	(1.004)	82193	10.0000	11(A)	
21 Fluorene	166	12.107	12.107	(1.095)	92750	10.0000	10(AM)	
25 Phenanthrene	178	13.964	13.964	(1.003)	119077	10.0000	10(A)	

7/2/10 pw 7/2/10

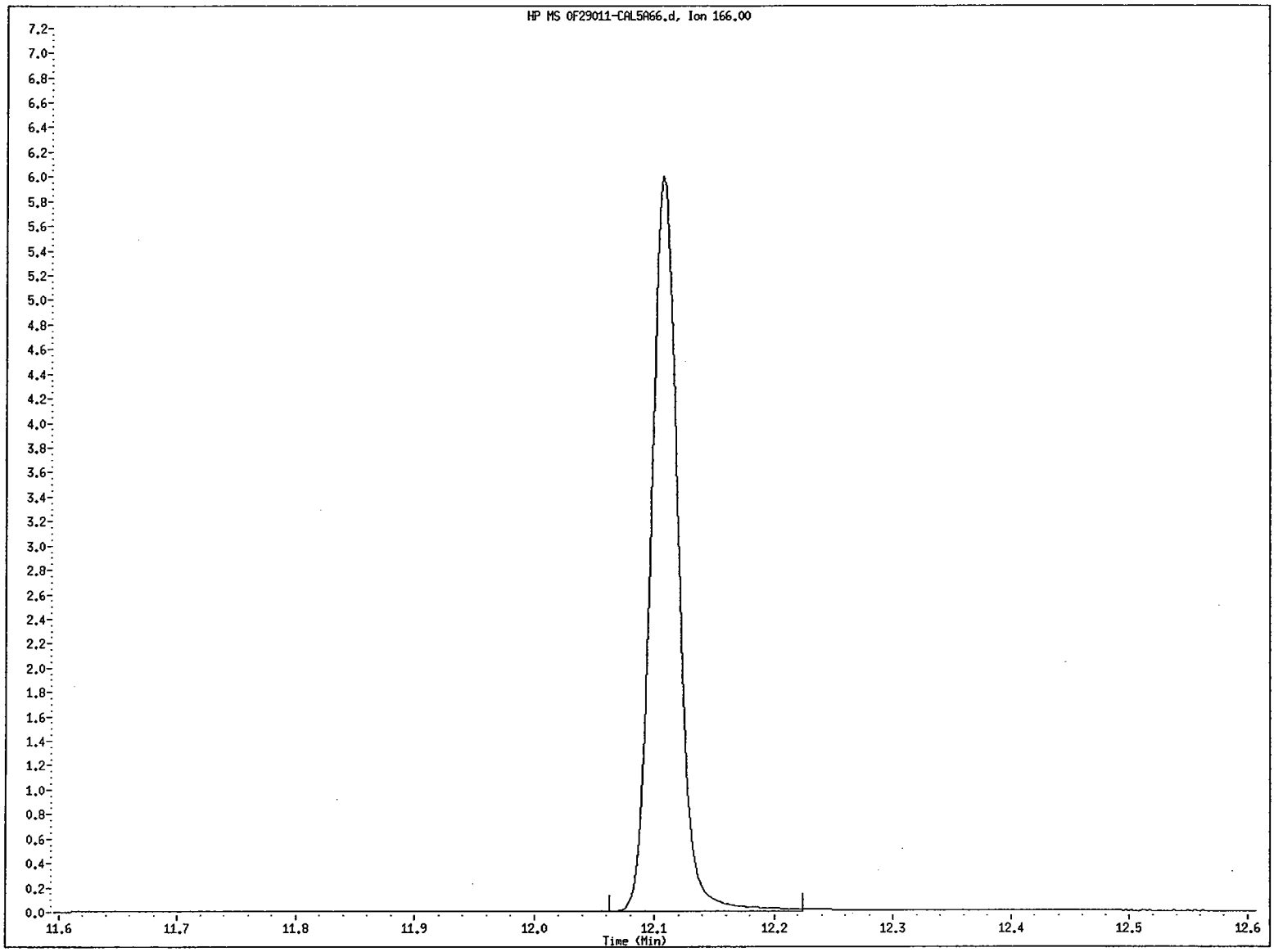
Data File: /chem/5972hp66.i/DT100629A66.b/0F29011-CAL5A66.d
Report Date: 02-Jul-2010 15:05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	14.053	14.053	(1.009)	108495	10.0000	11(A)
27 Fluoranthene	202	16.313	16.313	(1.172)	91097	10.0000	9.5
28 Pyrene	202	16.737	16.737	(0.874)	97043	10.0000	12(A)
29 Benzo(a)anthracene	228	19.115	19.115	(0.998)	64528	10.0000	11(A)
30 Chrysene	228	19.194	19.194	(1.002)	70489	10.0000	10(A)
31 Benzo(b)fluoranthene	252	21.120	21.120	(0.970)	64763	10.0000	11(A)
32 Benzo(k)fluoranthene	252	21.160	21.160	(0.972)	76559	10.0000	11(A)
33 Benzo(a)pyrene	252	21.663	21.663	(0.995)	63851	10.0000	11(A)
34 Indeno(1,2,3-cd)pyrene	276	23.719	23.719	(1.090)	54233	10.0000	11(A)
35 Dibenzo(a,h)anthracene	278	23.781	23.781	(1.092)	51910	10.0000	11(A)
36 Benzo(g,h,i)perylene	276	24.271	24.271	(1.115)	61473	10.0000	11(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Fluorene CAS Number 86-73-7 Area = 92750 Manually integrated



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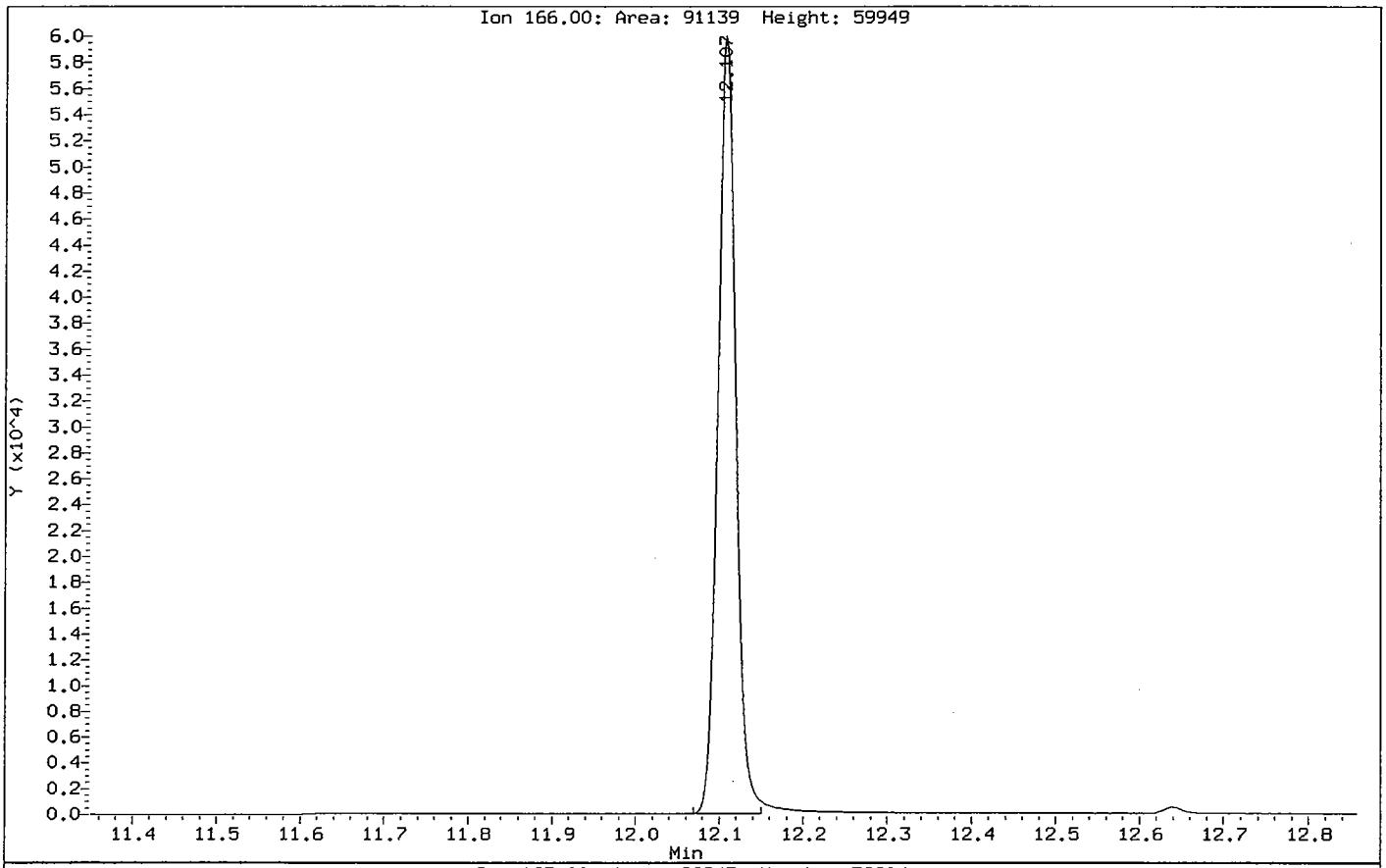
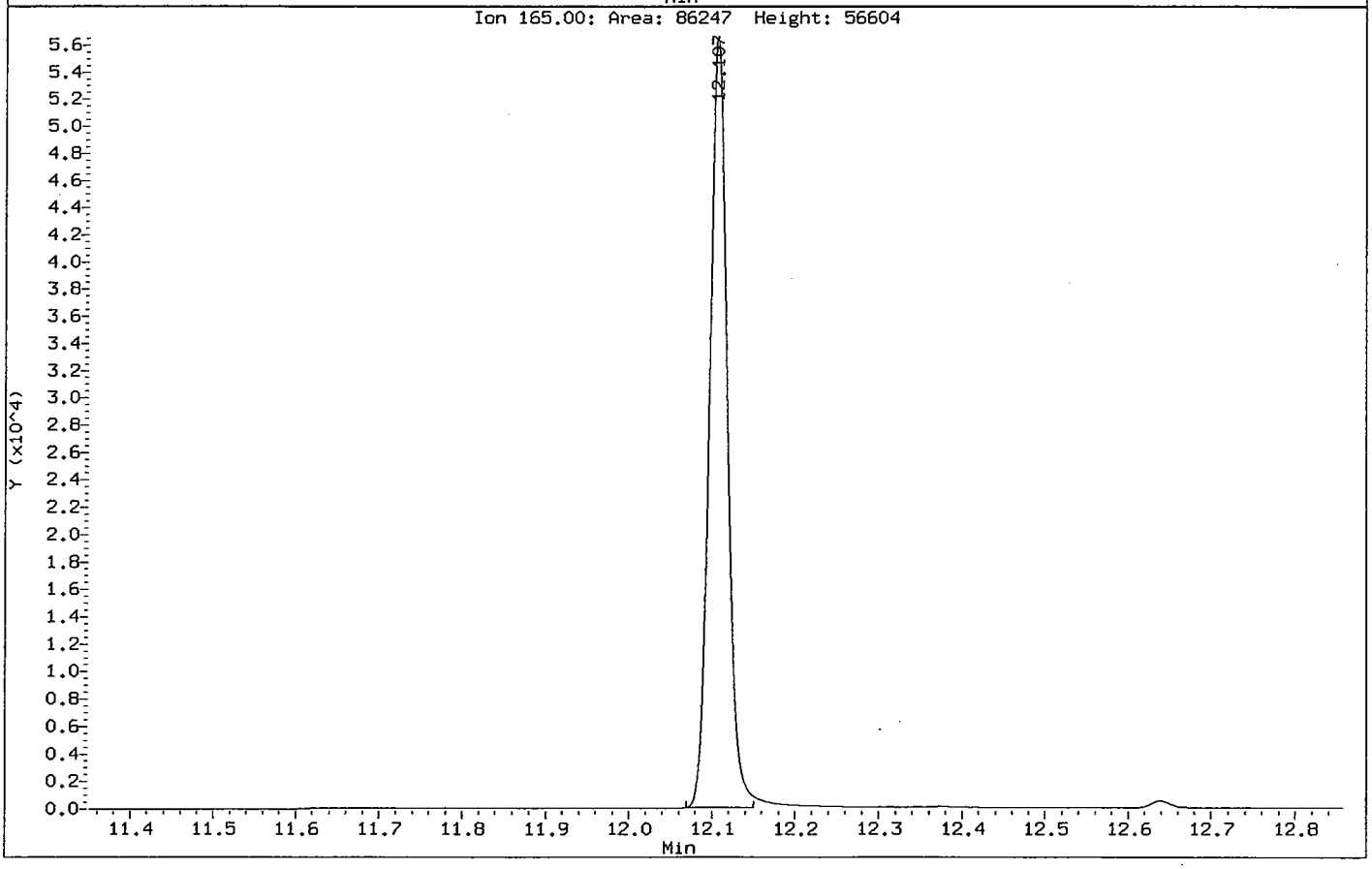
Client ID: SSTD010X2
Instrument ID: 5972hp66.i
Injection Date and Time: 29-JUN-2010 21:07
Retention Time: 12.11
Operator ID: OWS

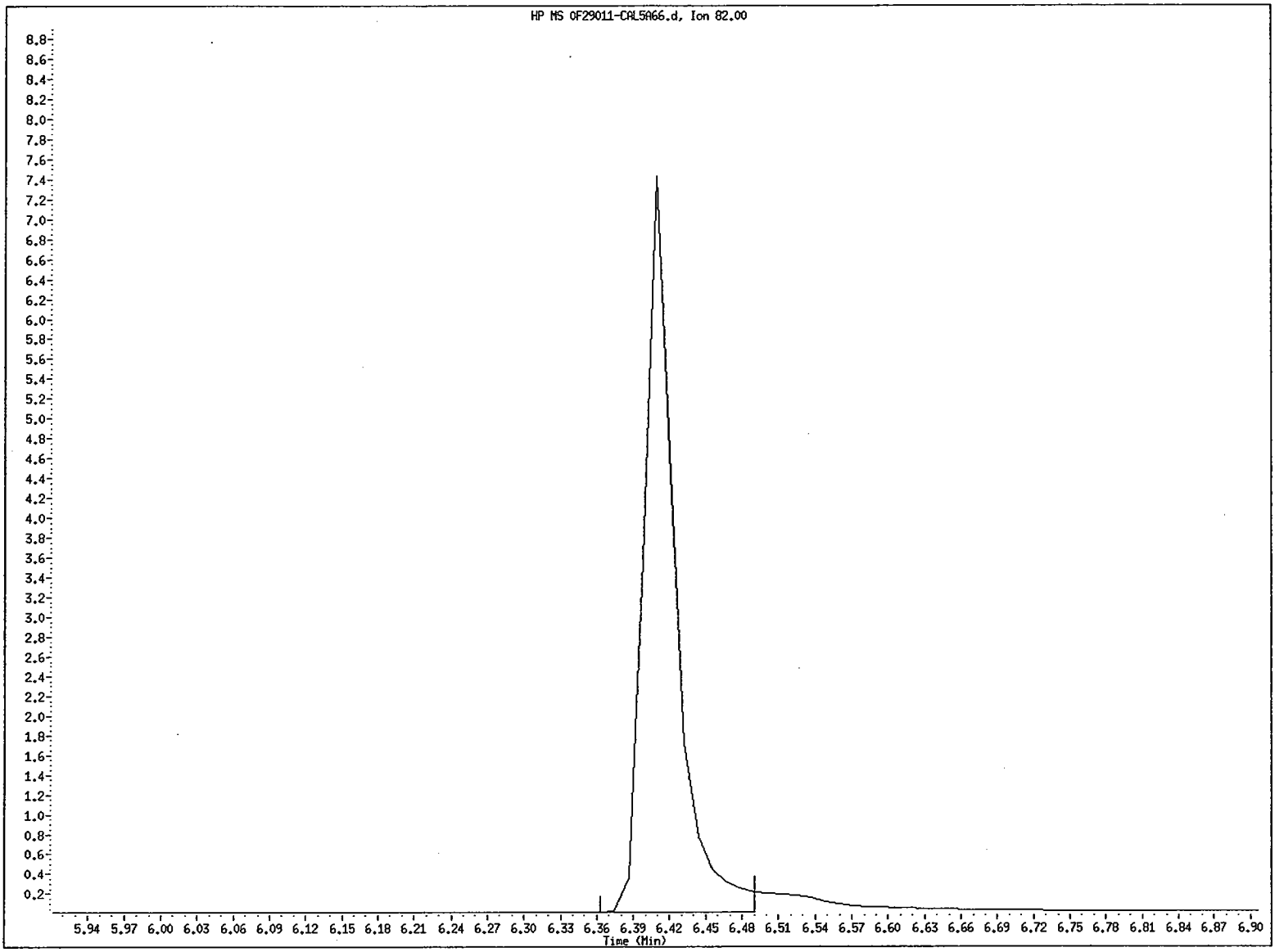
Data File: /chem/5972hp66.i/DT100629A66.b/0F29011-CAL5A66.d
Injection Date: 29-JUN-2010 21:07
Instrument: 5972hp66.i
Client Sample ID: SSTD010X2

Compound: Fluorene
CAS Number: 86-73-7





Nitrobenzene-d5 CAS Number 4165-60-0 Area = 134540 Manually integrated



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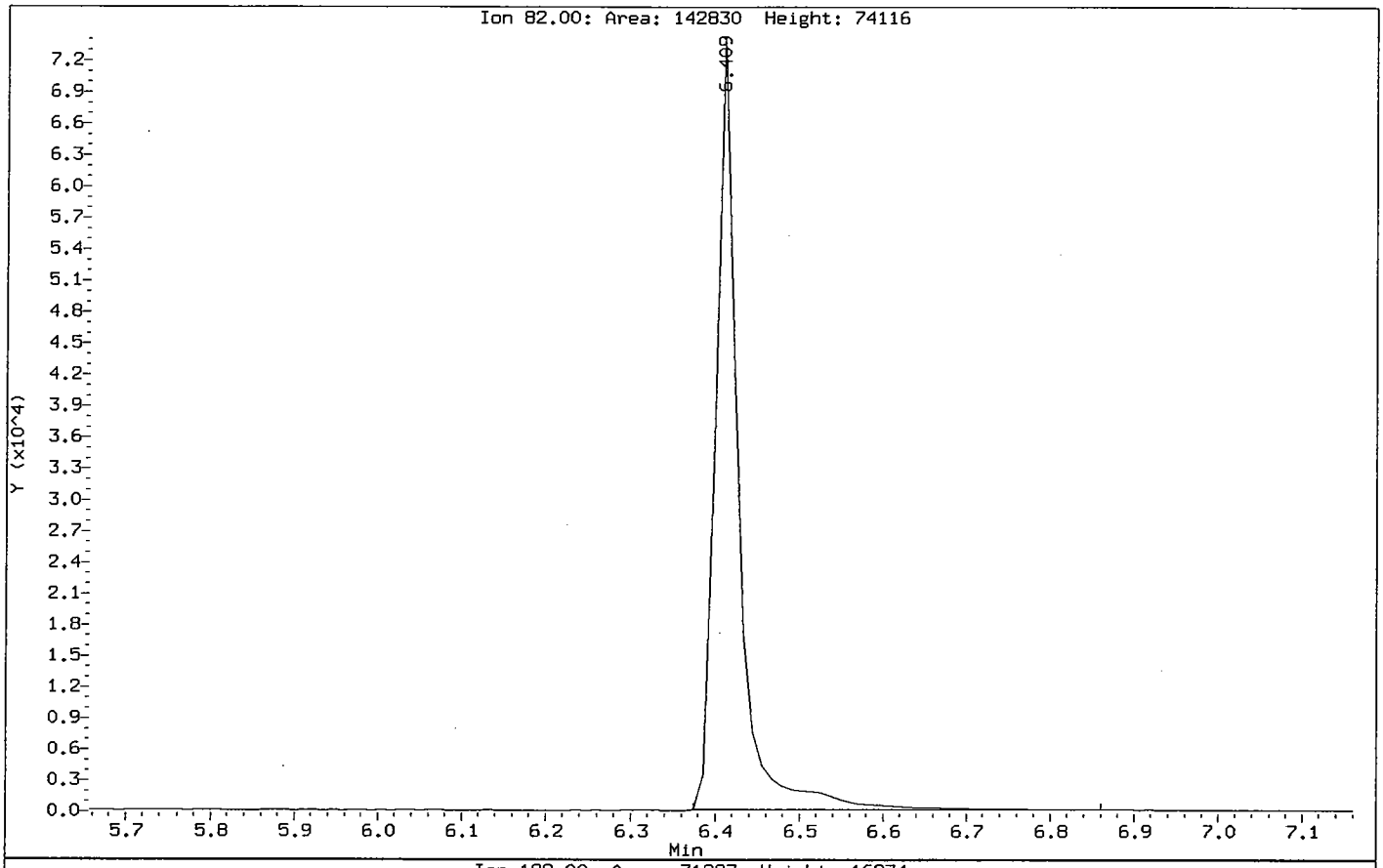
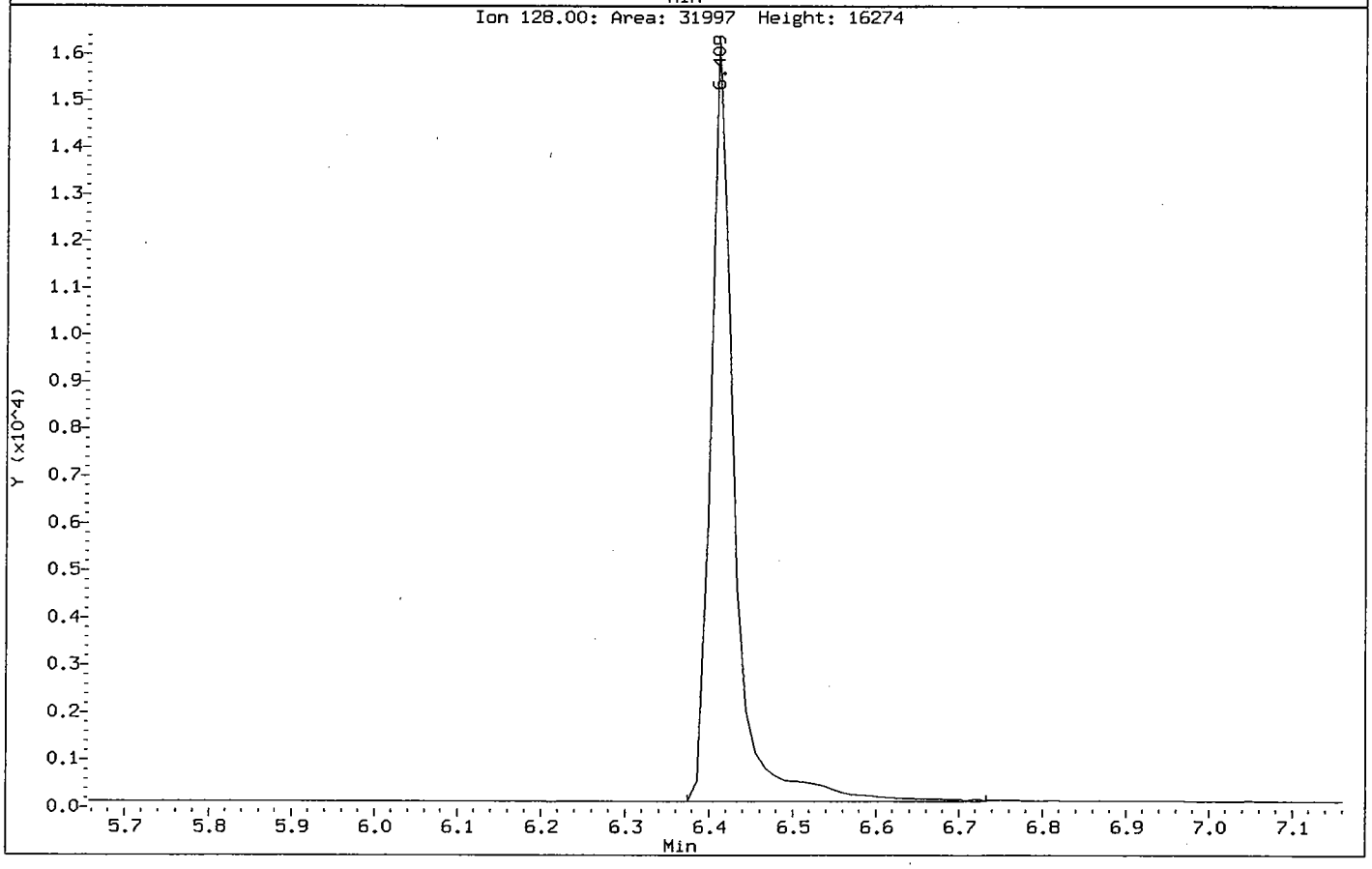
Client ID: SSTD010X2
Instrument ID: 5972hp66.i
Injection Date and Time: 29-JUN-2010 21:07
Retention Time: 6.41
Operator ID: OWS

Data File: /chem/5972hp66.i/DT100629A66.b/OF29011-CAL5A66.d
Injection Date: 29-JUN-2010 21:07
Instrument: 5972hp66.i
Client Sample ID: SSTD010X2

Compound: Nitrobenzene-d5
CAS Number: 4165-60-0





COMPUCHEM a Division of Liberty Analytical Corp

GC/MS SEMIVOLATILE RUN LOG

LOGBOOK 4X(4) 21 (5972hp66)

DATE 6/29/10 INITIAL TIME OF TUNE 1805 SHIFT/S (A) X (B)____(C)____

TIME TUNE EXPIRES 0605

METHOD: 625 (8270C) 8270D OLC03.2 OLM04.3 SOM01.2 (Circle One) or Other: PAH SIM: (Y)/N)

PREVENTIVE MAINTENANCE Front, Liner, Septa.

	SEQUENCE#	REJECTED	FILENAME	REPORTED	DATE	TIME	CLIENT ID	SDG#	AMOUNT INJECTED	CHEMIST	COMMENTS
1	OF29011		OF29011-Tun1 A66	/	6/29/10	1546	DFTPP x2	—	2µL	2730	SCD = CCD
2	T100629A		ASCAN	/	/ /	1605	SSTD 003	—			
3			~~FC43 NA~~	/	/ /	~~1850~~ 1805	FC43	—			
4	Chem 6-29-10		OF29011-CAL1	/	/ /	~~1924~~ 1850	SSTD 0.4 x2	—			OE18005 8-18-10
5			CAL2	/	/ /	~~1954~~ 1924	1.2	—			OE18006
6			CAL3	/	/ / 6-29-10	~~1954~~	003	—			OF18002
7			CAL4	/	/ /	2033	005	—			OE18009
8			CAL5	/	/ /	2107	010	—			OE18010
9			SRC100629	OT	/ /		SSTD 003 VAL	—			Auto Spl stopped OE2600 8-26-
10					/ /						
11					/ /						
12					/ /						
13					/ /						
14					/ /						
15					/ /						
16					/ /						
17					/ /						
18					/ /						
19					/ /						
20					/ /						
21					/ /						
22					/ /						
23					/ /						
24					/ /						

DFTPP Lot #/Exp. Date: NA

Calibration STD Lot#/Exp. Date: See Comments

Internal STD Lot#/Exp. Date: 040 DF1800 11-18-10

Methylene Chloride Lot#/Exp. Date: J17500 6-8-15

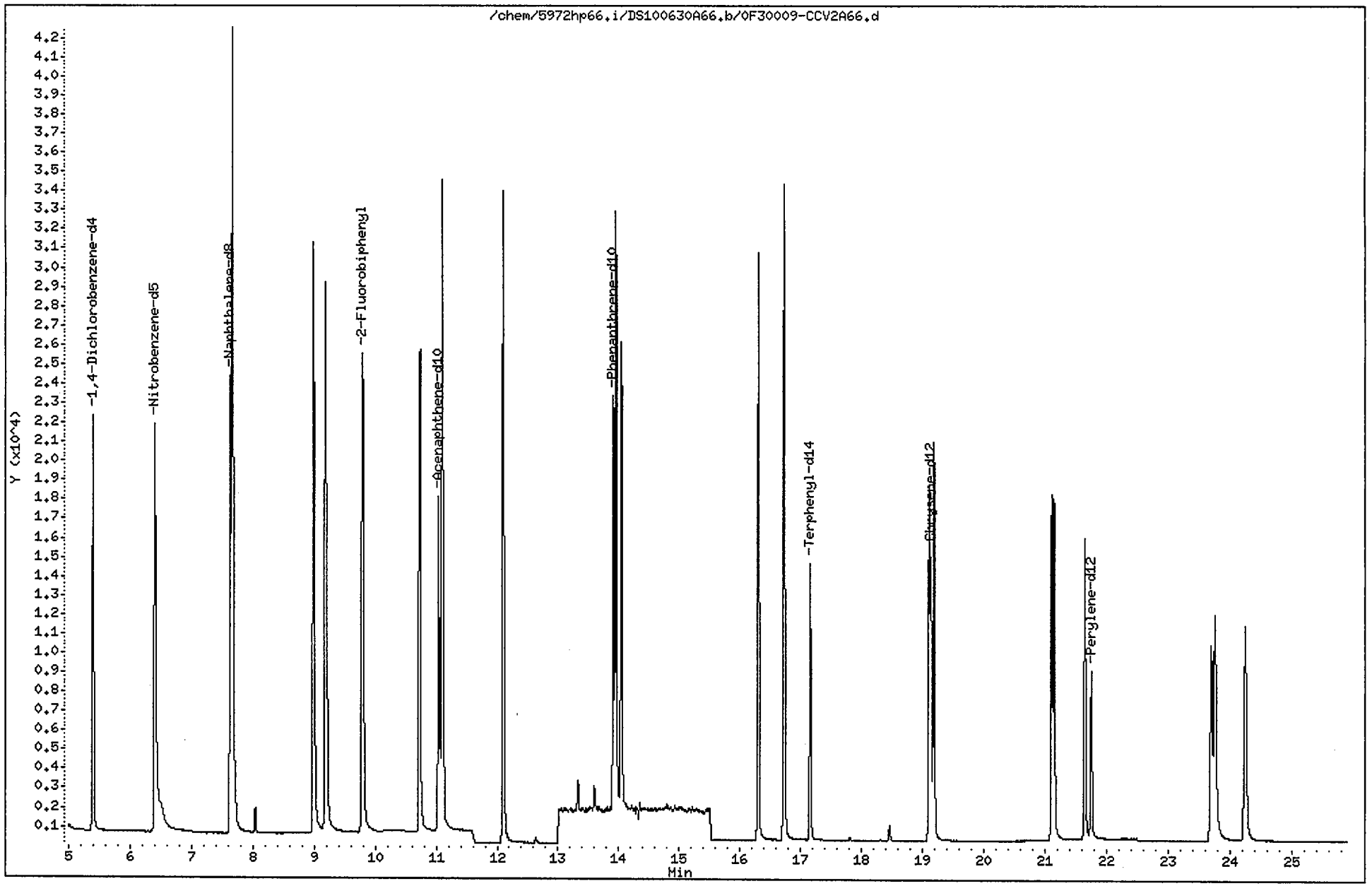
Column Type: RTX-5MS 0.32mm

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

REVIEWED BY: MN DATE 6/30/10

Data File: /chem/5972hp66.i/DS100630A66.b/0F30009-CCV2A66.d
Date : 30-JUN-2010 13:33
Client ID: SSTD003GF
Sample Info: SSTD003GF:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100630A66.b/0F30009-CCV2A66.d
Report Date: 02-Jul-2010 15:28

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100630A66.b/0F30009-CCV2A66.d
Lab Smp Id: 0F30009-CCV2 Client Smp ID: SSTD003GF
Inj Date : 30-JUN-2010 13:33
Operator : OWS Inst ID: 5972hp66.i
Smp Info : SSTD003GF:OWS
Misc Info : SSTD003GF
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100630A66.b/SIM_8270Cv3DOD.m
Meth Date : 02-Jul-2010 15:28 byrd Quant Type: ISTD
Cal Date : 29-JUN-2010 21:07 Cal File: 0F29011-CAL5A66.d
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	5.392	5.392	(1.000)	13040	2.00000	
*	2 Naphthalene-d8	136	7.637	7.637	(1.000)	33508	2.00000	
*	3 Acenaphthene-d10	164	11.042	11.042	(1.000)	14209	2.00000	
*	4 Phenanthrene-d10	188	13.912	13.912	(1.000)	22345	2.00000	
*	5 Chrysene-d12	240	19.137	19.137	(1.000)	16553	2.00000	
*	6 Perylene-d12	264	21.756	21.756	(1.000)	12421	2.00000	
$	9 Nitrobenzene-d5	82	6.410	6.410	(0.839)	40440	3.00000	2.9(M)
$	10 2-Fluorobiphenyl	172	9.785	9.785	(0.886)	34308	3.00000	2.9
$	12 Terphenyl-d14	244	17.157	17.157	(0.897)	15568	3.00000	3.1
	13 Naphthalene	128	7.670	7.670	(1.004)	63067	3.00000	3.0
	15 2-Methylnaphthalene	141	8.987	8.987	(1.177)	26752	3.00000	3.0
	17 Acenaphthylene	152	10.734	10.734	(0.972)	41008	3.00000	3.1
	18 Acenaphthene	154	11.103	11.103	(1.006)	26646	3.00000	3.0
	21 Fluorene	166	12.098	12.098	(1.096)	28867	3.00000	2.9
	25 Phenanthrene	178	13.956	13.956	(1.003)	38781	3.00000	3.0

2 ppt/ds
pm 7/2/10

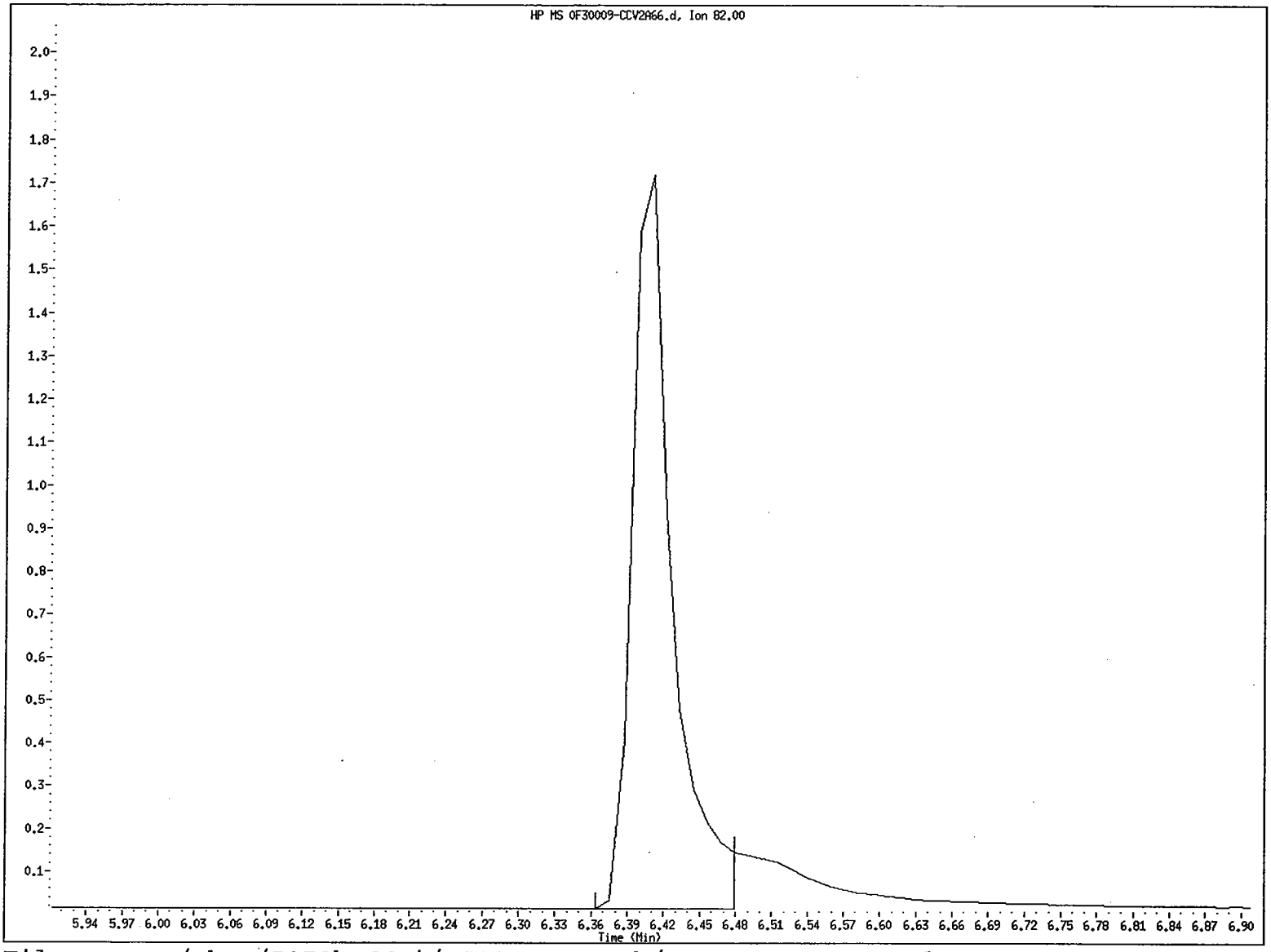
Data File: /chem/5972hp66.i/DS100630A66.b/0F30009-CCV2A66.d
Report Date: 02-Jul-2010 15:28

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	14.044	14.044	(1.010)	33067	3.00000	3.0
27 Fluoranthene	202	16.300	16.300	(1.172)	30955	3.00000	2.8
28 Pyrene	202	16.724	16.724	(0.874)	33253	3.00000	3.1
29 Benzo(a)anthracene	228	19.106	19.106	(0.998)	23147	3.00000	3.0
30 Chrysene	228	19.185	19.185	(1.003)	26221	3.00000	2.9
31 Benzo(b)fluoranthene	252	21.107	21.107	(0.970)	23330	3.00000	3.1
32 Benzo(k)fluoranthene	252	21.147	21.147	(0.972)	26081	3.00000	3.0
33 Benzo(a)pyrene	252	21.650	21.650	(0.995)	21301	3.00000	3.0
34 Indeno(1,2,3-cd)pyrene	276	23.701	23.701	(1.089)	17595	3.00000	2.9
35 Dibenzo(a,h)anthracene	278	23.763	23.763	(1.092)	17204	3.00000	2.9
36 Benzo(g,h,i)perylene	276	24.253	24.253	(1.115)	20879	3.00000	2.9

QC Flag Legend

M - Compound response manually integrated.

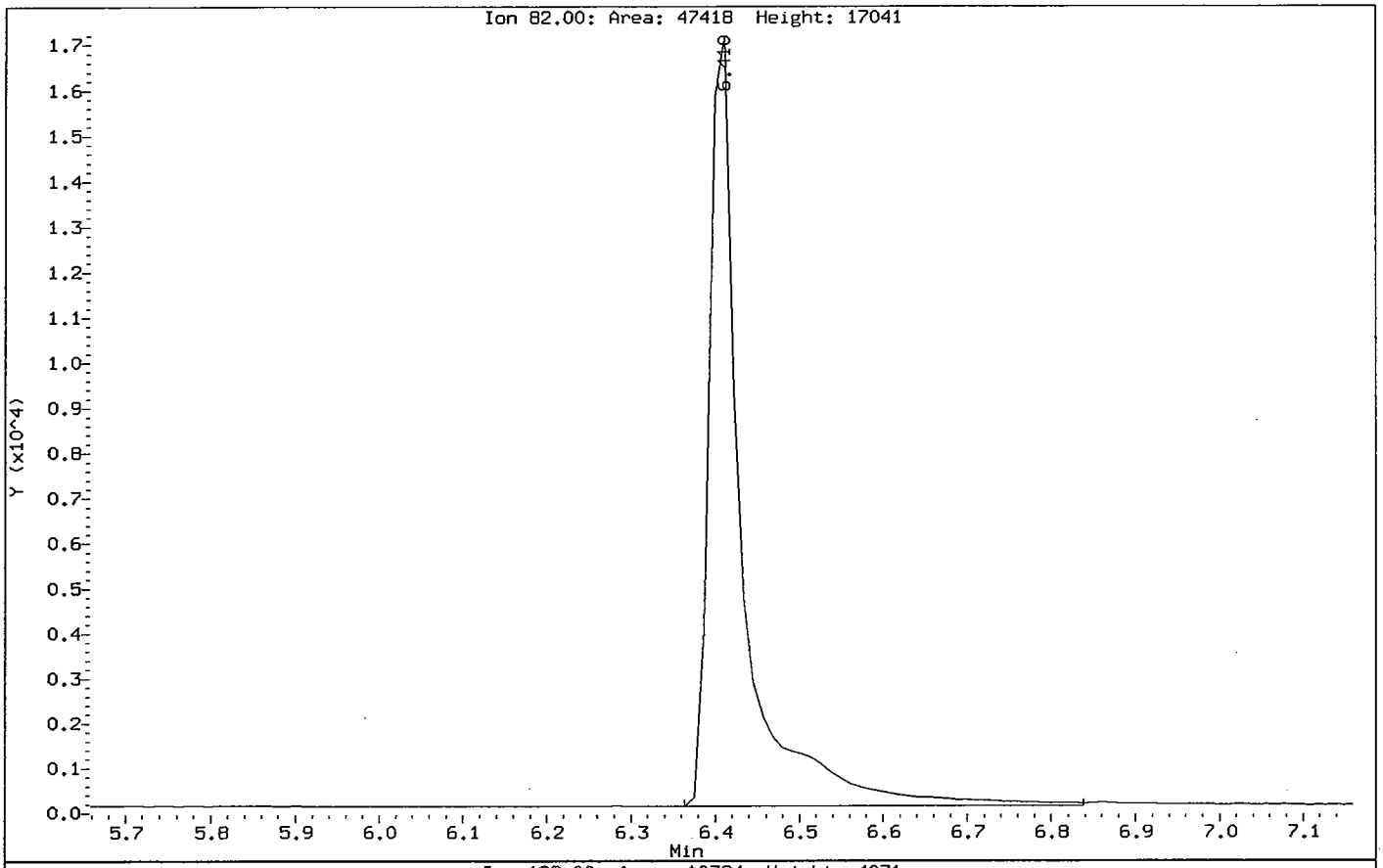
Nitrobenzene-d5 CAS Number 4165-60-0 Area = 40440 Manually integrated

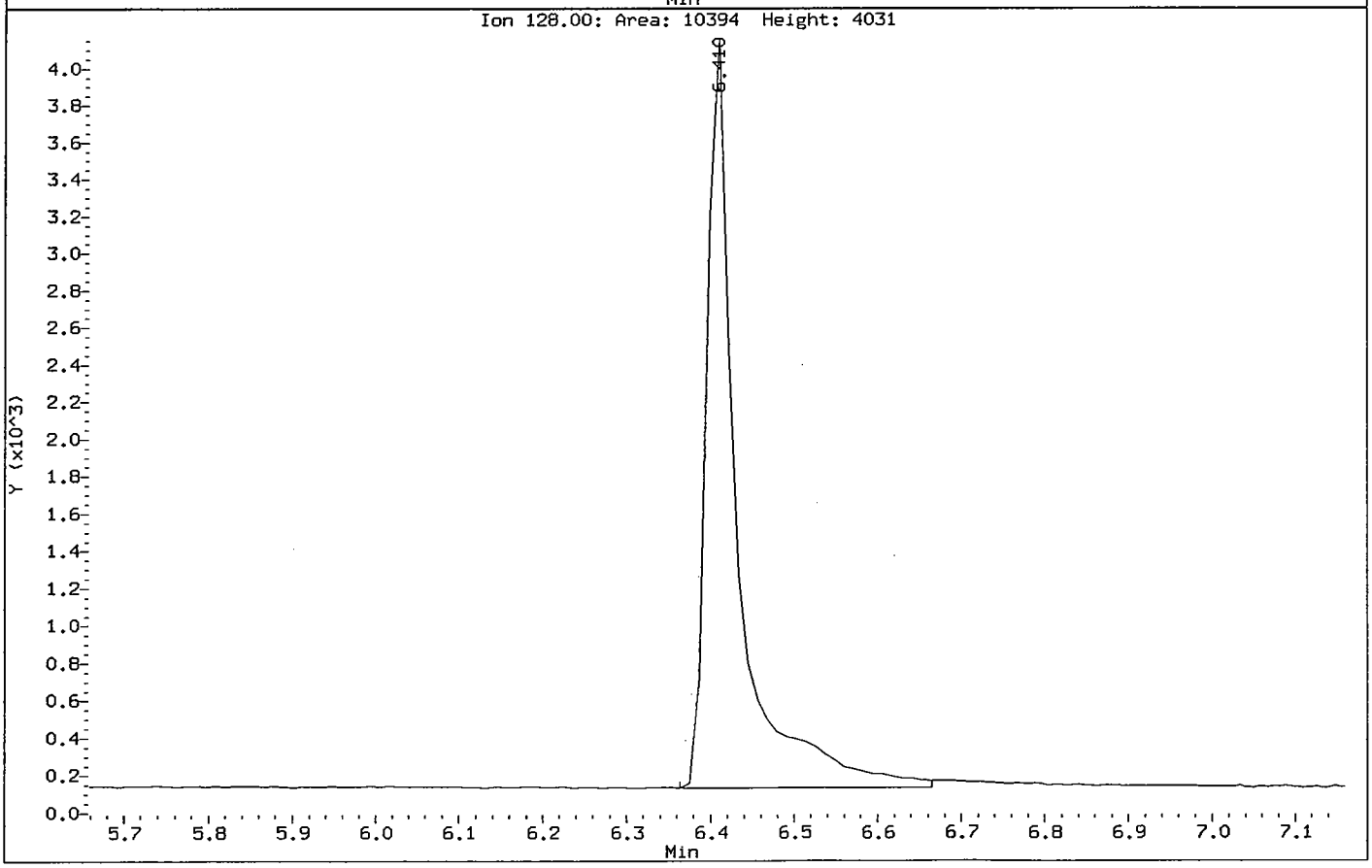


File name: /chem/5972hp66.i/DS100630A66.b/0F30009-CCV2A66.d
Client ID: SSTD003GF
Instrument ID: 5972hp66.i
Injection Date and Time: 30-JUN-2010 13:33
Retention Time: 6.41
Operator ID: OWS

Data File: /chem/5972hp66.i/DS100630A66.b/0F30009-CCV2A66.d
Injection Date: 30-JUN-2010 13:33
Instrument: 5972hp66.i
Client Sample ID: SSTD003GF

Compound: Nitrobenzene-d5
CAS Number: 4165-60-0





Data File: /chem/5972hp66.i/DS100630A66.b/SRC100630JA66.d
Report Date: 02-Jul-2010 15:33

CompuChem

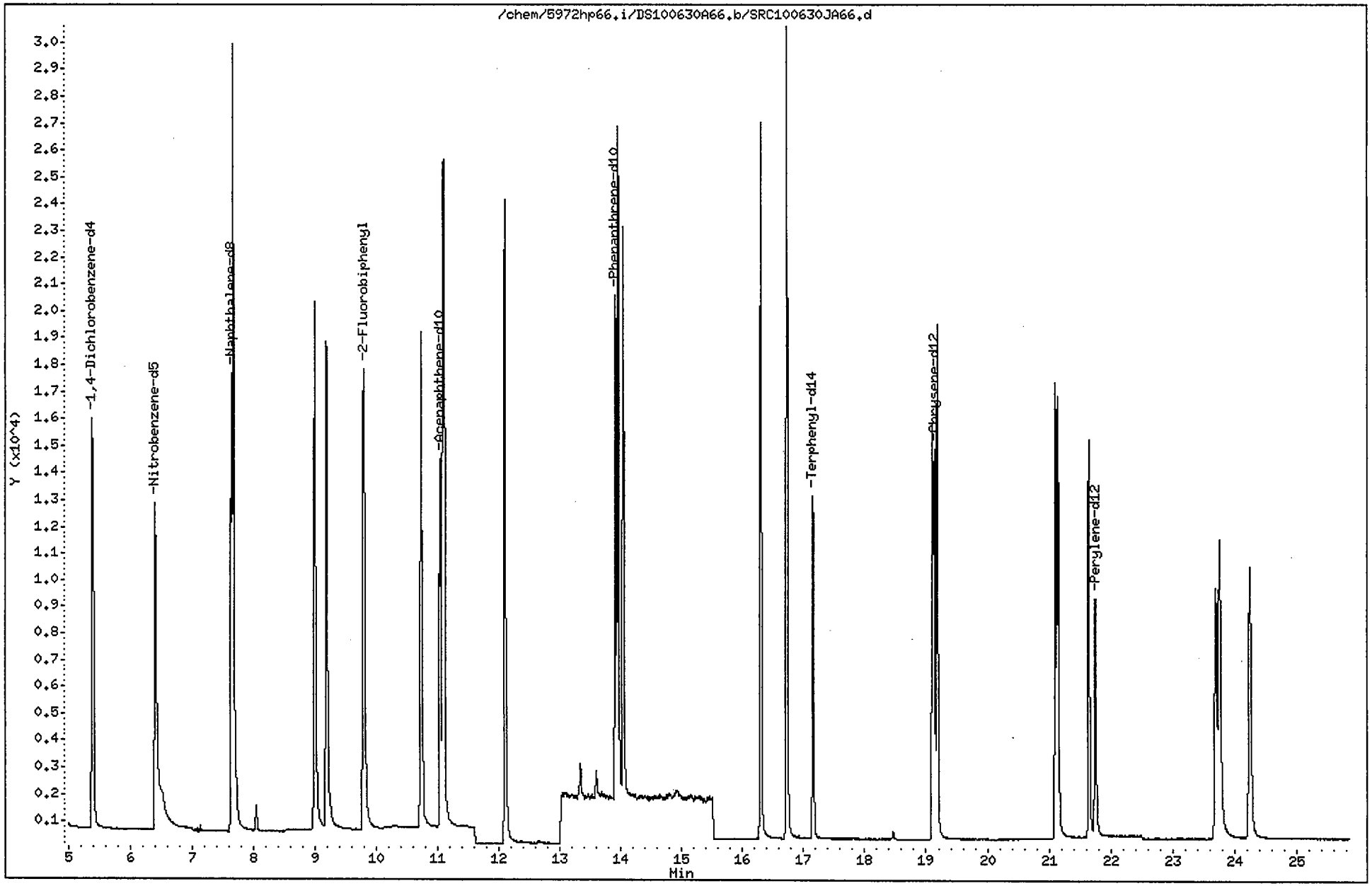
RECOVERY REPORT

Client Name:
Client SDG: DS100630A66
Sample Matrix: LIQUID
Fraction: SV
Lab Smp Id: SSTD003VAL
Client Smp ID: SSTD003VAL
Level: LOW
Operator: OWS
Data Type: MS DATA
SampleType: LCS
SpikeList File: 2ndsourcePAH.spk
Quant Type: ISTD
Sublist File: ICALPAH.sub
Method File: /chem/5972hp66.i/DS100630A66.b/SIM_8270Cv3DOD.m
Misc Info: SSTD003VAL

SPIKE COMPOUND	AMOUNT ADDED NG	AMOUNT RECOVERED NG	% RECOVERED	LIMITS
13 Naphthalene	3.0	2.8	94.47	80-120
15 2-Methylnaphthalen	3.0	2.8	93.91	80-120
17 Acenaphthylene	3.0	2.9	95.08	80-120
18 Acenaphthene	3.0	2.9	95.96	80-120
21 Fluorene	3.0	2.8	94.52	80-120
25 Phenanthrene	3.0	2.8	92.50	80-120
26 Anthracene	3.0	3.0	100.49	80-120
27 Fluoranthene	3.0	2.8	94.18	80-120
28 Pyrene	3.0	2.9	95.71	80-120
29 Benzo(a)anthracene	3.0	2.7	88.79	80-120
30 Chrysene	3.0	2.8	92.87	80-120
31 Benzo(b)fluoranthe	3.0	2.8	94.12	80-120
32 Benzo(k)fluoranthe	3.0	2.8	93.72	80-120
33 Benzo(a)pyrene	3.0	2.8	94.36	80-120
34 Indeno(1,2,3-cd)py	3.0	2.7	91.20	80-120
35 Dibenzo(a,h)anthra	3.0	2.9	95.69	80-120
36 Benzo(g,h,i)peryle	3.0	2.6	88.10	80-120

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 9 Nitrobenzene-d5	1.5	1.3	83.50	40-110
$ 10 2-Fluorobiphenyl	1.5	1.5	97.10	50-110
$ 12 Terphenyl-d14	1.5	1.4	95.59	50-135

Data File: /chem/5972hp66.i/DS100630A66.b/SRC100630JA66.d
Date : 30-JUN-2010 14:57
Client ID: SSTD003VAL
Instrument: 5972hp66.i
Sample Info: SSTD003VAL:OWS
Volume Injected (uL): 2.0
Operator: OWS
Column phase: Rtx-5MS
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100630A66.b/SRC100630JA66.d
Report Date: 02-Jul-2010 15:34

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100630A66.b/SRC100630JA66.d
Lab Smp Id: SSTD003VAL Client Smp ID: SSTD003VAL
Inj Date : 30-JUN-2010 14:57
Operator : OWS Inst ID: 5972hp66.i
Smp Info : SSTD003VAL:OWS
Misc Info : SSTD003VAL
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100630A66.b/SIM_8270Cv3DOD.m
Meth Date : 02-Jul-2010 15:34 byrd Quant Type: ISTD
Cal Date : 29-JUN-2010 21:07 Cal File: 0F29011-CAL5A66.d
Als bottle: 5 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	5.400	5.392	(1.000)	10706	2.00000	
* 2 Naphthalene-d8	136	7.637	7.637	(1.000)	25708	2.00000	
* 3 Acenaphthene-d10	164	11.041	11.042	(1.000)	11519	2.00000	
* 4 Phenanthrene-d10	188	13.911	13.912	(1.000)	20063	2.00000	
* 5 Chrysene-d12	240	19.136	19.137	(1.000)	16217	2.00000	
* 6 Perylene-d12	264	21.757	21.756	(1.000)	12673	2.00000	
$ 9 Nitrobenzene-d5	82	6.406	6.410	(0.839)	25562	2.50495	1.3 (M)
$ 10 2-Fluorobiphenyl	172	9.796	9.785	(0.887)	28236	2.91296	1.5
$ 12 Terphenyl-d14	244	17.155	17.157	(0.896)	14058	2.86785	1.4
13 Naphthalene	128	7.670	7.670	(1.004)	46117	2.83410	1.4
15 2-Methylnaphthalene	141	8.987	8.987	(1.177)	19335	2.81745	1.4
17 Acenaphthylene	152	10.734	10.734	(0.972)	31035	2.85234	1.4
18 Acenaphthene	154	11.103	11.103	(1.006)	20558	2.87886	1.4
21 Fluorene	166	12.098	12.098	(1.096)	23103	2.83560	1.4
25 Phenanthrene	178	13.956	13.956	(1.003)	32511	2.77505	1.4

OK 7/2/10
RVA 7/2/10
RVA 7/2/10

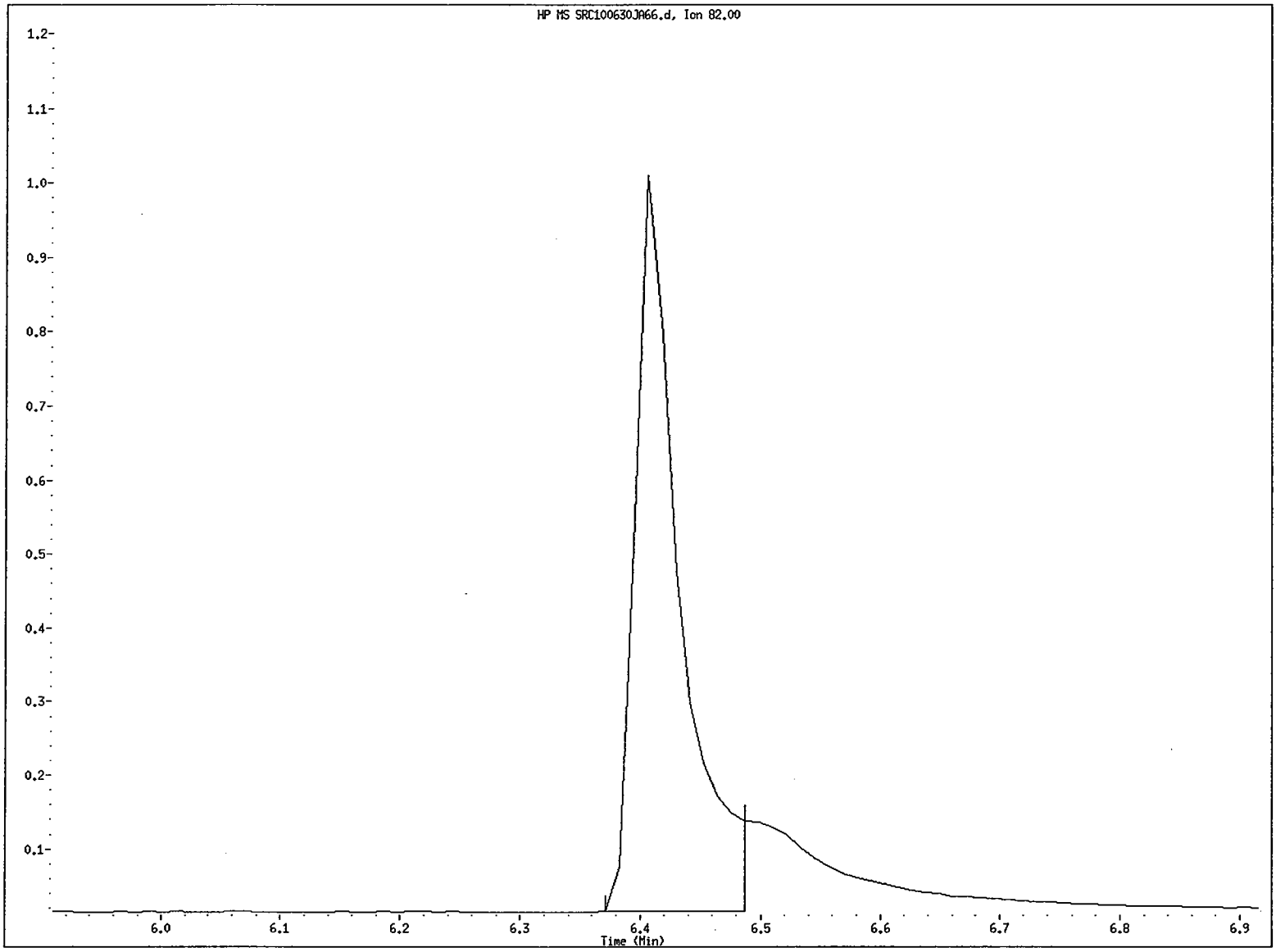
Data File: /chem/5972hp66.i/DS100630A66.b/SRC100630JA66.d
Report Date: 02-Jul-2010 15:34

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
26 Anthracene	178	14.039	14.044	(1.009)	29830	3.01484	1.5
27 Fluoranthene	202	16.303	16.300	(1.172)	27753	2.82530	1.4
28 Pyrene	202	16.723	16.724	(0.874)	30056	2.87145	1.4
29 Benzo(a)anthracene	228	19.106	19.106	(0.998)	20065	2.66357	1.3
30 Chrysene	228	19.185	19.185	(1.003)	24546	2.78621	1.4
31 Benzo(b)fluoranthene	252	21.109	21.107	(0.970)	21380	2.82346	1.4
32 Benzo(k)fluoranthene	252	21.148	21.147	(0.972)	24963	2.81149	1.4
33 Benzo(a)pyrene	252	21.651	21.650	(0.995)	20582	2.83093	1.4
34 Indeno(1,2,3-cd)pyrene	276	23.701	23.701	(1.089)	16670	2.73605	1.4
35 Dibenzo(a,h)anthracene	278	23.762	23.763	(1.092)	17108	2.87063	1.4
36 Benzo(g,h,i)perylene	276	24.252	24.253	(1.115)	19708	2.64315	1.3

QC Flag Legend

M - Compound response manually integrated.

Nitrobenzene-d5 CAS Number 4165-60-0 Area = 25562 Manually integrated



File name: /chem/5972hp66.i/DS100630A66.b/SRC100630JA66.d
Client ID: SSTD003VAL
Instrument ID: 5972hp66.i
Injection Date and Time: 30-JUN-2010 14:57
Retention Time: 6.41
Operator ID: OWS

COMPUCHEM a Division of Liberty Analytical Corp
GC/MS SEMIVOLATILE RUN LOG
LOGBOOK 4X(4) 21 (5972hp66)

DATE 6/30/10 INITIAL TIME OF TUNE 1232 SHIFT/S (A) X (B)____ (C)____
TIME TUNE EXPIRES 0032
METHOD: 625 (8270C) 8270D OLC03.2 OLM04.3 SOM01.2 (Circle One) or Other: AA14 SIM: (Y/N)
PREVENTIVE MAINTENANCE None

	SEQUENCE#	REJECTED	FILENAME	REVIEWED	DATE	TIME	CLIENT ID	SDG#	AMOUNT INJECTED	CHEMIST	COMMENTS
1	OF30009		NA		6/30/10	1232	FC43	—	2uL	2780	SEQ=LCS
2	S100630A		OF30009-CCV1A66	JS	/ /	1239	SSTD0036F	—			IS comparison to ical Failed
3			OF30009-CCV2		/ /	1333	SSTD0036F	—			
4			SRC100630	1H	/ /	1420	SSTD003VAL	—			
5			SRC100630J		/ /	1457	SSTD003VAL	—			
6			1005133-02J3		/ /	1549	SB74-4-5	1005133			
7			-10J2	1H	/ /	1627	SB61D-6-7				
8			-10J3		/ /	1701	↓				
9			-11J	1H	/ /	1735	SS67-0-1				
10			-13J	1H	/ /	1810	SB72-2-3				
11			-14J	1H	/ /	1844	SS88-0-1				
12			-15	1H	/ /	1918	SB88-2.5-3.5				
13			-16	1H	/ /	1952	SS76-0-1				
14			-17	1H	/ /	2027	SB76-6-7				
15			-18	1H	/ /	2101	SS87-0-1				
16			-19	1H	/ /	2135	SB87-3-4				
17			-20	1H	/ /	2209	SS68-0-1				
18					/ /						
19					/ /						
20					/ /						
21					/ /						
22					/ /						
23					/ /						B 6-30-10
24					/ /						

DFTPP Lot #/Exp. Date: NA
Calibration STD Lot#/Exp. Date: 003 OF18002 8-18-10
Internal STD Lot#/Exp. Date: 040 DF18001 11-18-10
Methylene Chloride Lot#/Exp. Date: J17500 6-8-15
Column Type: RTX-5MS 0.32mm

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

REVIEWED BY: B DATE 6-30-10
6/01/09:jr

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: 5972HP70 Calibration Date(s): 06/30/10 06/30/10

Column: RTX-5MS ID: 0.32 (mm) Calibration Time(s): 1311 1533

LAB FILE ID: RF0.4: 0F30008-CALRF1.2: 0F30008-CALRF3: 0F30008-CAL3A
RF5: 0F30008-CAL4ARF10: 0F30008-CAL5

COMPOUND	RF0.4	RF1.2	RF3	RF5	RF10
Naphthalene	1.263	1.313	1.270	1.277	1.262
2-Methylnaphthalene	0.513	0.617	0.638	0.604	0.638
Acenaphthylene	1.677	1.859	1.926	1.944	2.029
Acenaphthene	1.167	1.214	1.196	1.207	1.203
Fluorene	1.331	1.562	1.565	1.524	1.539
Phenanthrene	1.105	1.125	1.080	1.084	1.063
Anthracene	0.900	1.012	1.033	1.026	1.038
Fluoranthene	0.977	1.072	1.100	1.055	1.155
Pyrene	1.348	1.438	1.475	1.494	1.471
Benzo(a)anthracene	0.884	1.044	1.097	1.068	1.171
Chrysene	1.273	1.271	1.233	1.252	1.239
Benzo(b)fluoranthene	0.974	1.123	1.226	1.188	1.341
Benzo(k)fluoranthene	1.413	1.433	1.448	1.461	1.483
Benzo(a)pyrene	0.885	1.055	1.138	1.196	1.254
Indeno(1,2,3-cd)pyrene	6977	58182	166154	155905	477815
Dibenzo(a,h)anthracene	0.793	0.898	0.979	1.120	1.098
Benzo(g,h,i)perylene	0.938	1.026	1.062	1.248	1.128
Nitrobenzene-d5	0.520	0.623	0.658	0.709	0.726
2-Fluorobiphenyl	1.266	1.407	1.398	1.399	1.422
Terphenyl-d14	0.703	0.714	0.728	0.681	0.734

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: 5972HP70 Calibration Date(s): 06/30/10 06/30/10

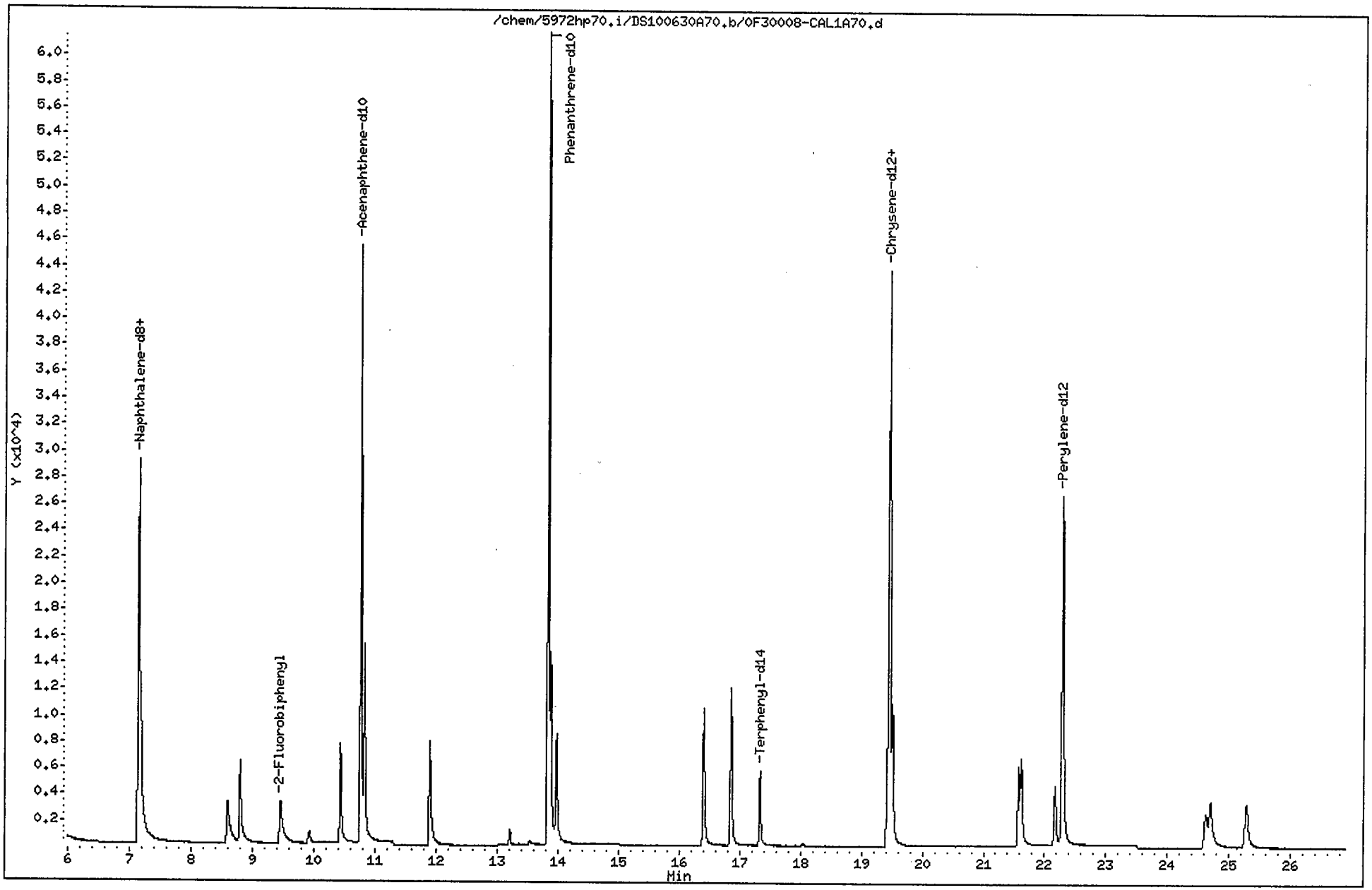
Column: RTX-5MS ID: 0.32 (mm) Calibration Time(s): 1311 1533

COMPOUND	CURVE	COEFFICENTS A0	COEFFICENTS A1	%RSD OR R^2	MAX %RSD OR R^2
Naphthalene	AVRG		1.27717478	1.628	15.000
2-Methylnaphthalene	AVRG		0.60191150	8.605	15.000
Acenaphthylene	AVRG		1.88689190	7.003	15.000
Acenaphthene	AVRG		1.19733480	1.517	30.000
Fluorene	AVRG		1.50425123	6.521	15.000
Phenanthrene	AVRG		1.09160974	2.220	15.000
Anthracene	AVRG		1.00167576	5.775	15.000
Fluoranthene	AVRG		1.07189825	6.072	30.000
Pyrene	AVRG		1.44535620	3.992	15.000
Benzo(a)anthracene	AVRG		1.05306053	10.032	15.000
Chrysene	AVRG		1.25362040	1.420	15.000
Benzo(b)fluoranthene	AVRG		1.17038559	11.560	15.000
Benzo(k)fluoranthene	AVRG		1.44760404	1.838	15.000
Benzo(a)pyrene	AVRG		1.10552810	12.979	30.000
Indeno(1,2,3-cd)pyrene	LINR	0.11301902	0.95056879	0.9992968	0.9950000
Dibenzo(a,h)anthracene	AVRG		0.97765934	14.014	15.000
Benzo(g,h,i)perylene	AVRG		1.08066444	10.753	15.000
Nitrobenzene-d5	AVRG		0.64720955	12.626	15.000
2-Fluorobiphenyl	AVRG		1.37837008	4.622	15.000
Terphenyl-d14	AVRG		0.71191384	3.000	15.000

FORM VI SV

Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL1A70.d
Date : 30-JUN-2010 13:11
Client ID: SSTD0.4Z4
Sample Info: SSTD0.4Z4:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL1A70.d
Report Date: 01-Jul-2010 13:45

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630A70.b/0F30008-CAL1A70.d
Lab Smp Id: 0F30008-CAL1 Client Smp ID: SSTD0.4Z4
Inj Date : 30-JUN-2010 13:11
Operator : MEW Inst ID: 5972hp70.i
Smp Info : SSTD0.4Z4:MEW
Misc Info : SSTD0.4Z4
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Meth Date : 01-Jul-2010 13:45 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 13:11 Cal File: 0F30008-CAL1A70.d
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.837	4.822	(1.000)	15129	2.00000	
* 2 Naphthalene-d8	136	7.145	7.129	(1.000)	59891	2.00000	
* 3 Acenaphthene-d10	164	10.763	10.757	(1.000)	38703	2.00000	
* 4 Phenanthrene-d10	188	13.837	13.829	(1.000)	81902	2.00000	
* 5 Chrysene-d12	240	19.454	19.454	(1.000)	63332	2.00000	
* 6 Perylene-d12	264	22.283	22.287	(1.000)	51238	2.00000	
$ 9 Nitrobenzene-d5	82	5.940	5.849	(0.831)	6234	0.40000	0.40 (M)
$ 10 2-Fluorobiphenyl	172	9.455	9.428	(0.878)	9797	0.40000	0.40
$ 12 Terphenyl-d14	244	17.335	17.326	(0.891)	8900	0.40000	0.40
13 Naphthalene	128	7.176	7.160	(1.004)	15134	0.40000	0.40
15 2-Methylnaphthalene	141	8.595	8.564	(1.203)	6144	0.40000	0.40
17 Acenaphthylene	152	10.435	10.415	(0.969)	12980	0.40000	0.40
18 Acenaphthene	154	10.829	10.816	(1.006)	9034	0.40000	0.40
21 Fluorene	166	11.897	11.879	(1.105)	10306	0.40000	0.40
25 Phenanthrene	178	13.881	13.873	(1.003)	18106	0.40000	0.40

2 07 7/1/10

pw 7/1/10

Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL1A70.d
Report Date: 01-Jul-2010 13:45

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	13.974	13.966	(1.010)	14736	0.40000	0.40
27 Fluoranthene	202	16.404	16.399	(1.185)	16007	0.40000	0.40
28 Pyrene	202	16.858	16.854	(0.867)	17081	0.40000	0.40
29 Benzo(a)anthracene	228	19.418	19.419	(0.998)	11203	0.40000	0.40
30 Chrysene	228	19.507	19.507	(1.003)	16121	0.40000	0.40
31 Benzo(b)fluoranthene	252	21.572	21.577	(0.968)	9986	0.40000	0.40
32 Benzo(k)fluoranthene	252	21.617	21.621	(0.970)	14480	0.40000	0.40
33 Benzo(a)pyrene	252	22.164	22.168	(0.995)	9070	0.40000	0.40
34 Indeno(1,2,3-cd)pyrene	276	24.618	24.626	(1.105)	6977	0.40000	0.40 (M)
35 Dibenzo(a,h)anthracene	278	24.693	24.697	(1.108)	8130	0.40000	0.40 (M)
36 Benzo(g,h,i)perylene	276	25.275	25.288	(1.134)	9615	0.40000	0.40

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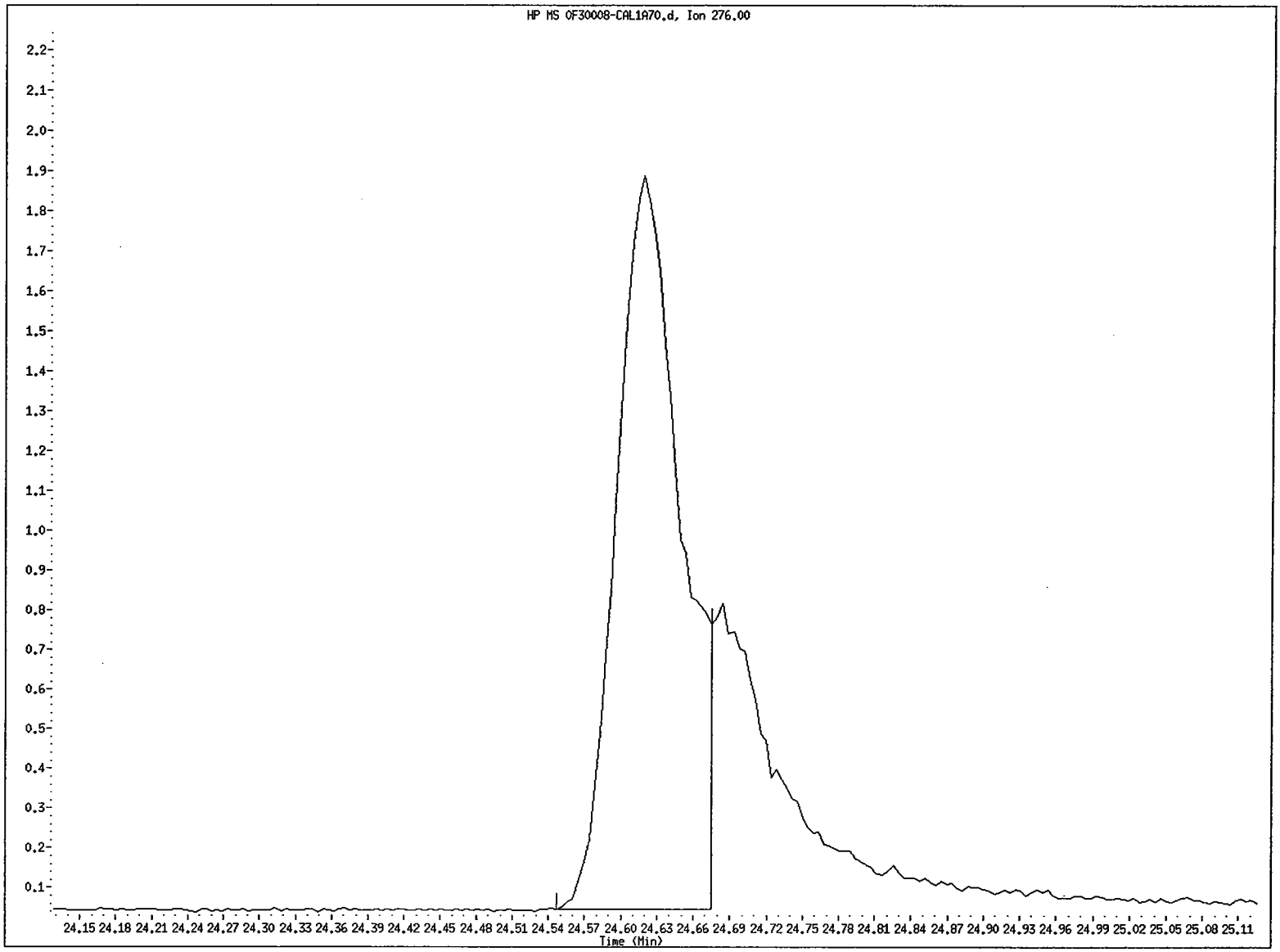
QC Flag Legend

M - Compound response manually integrated.

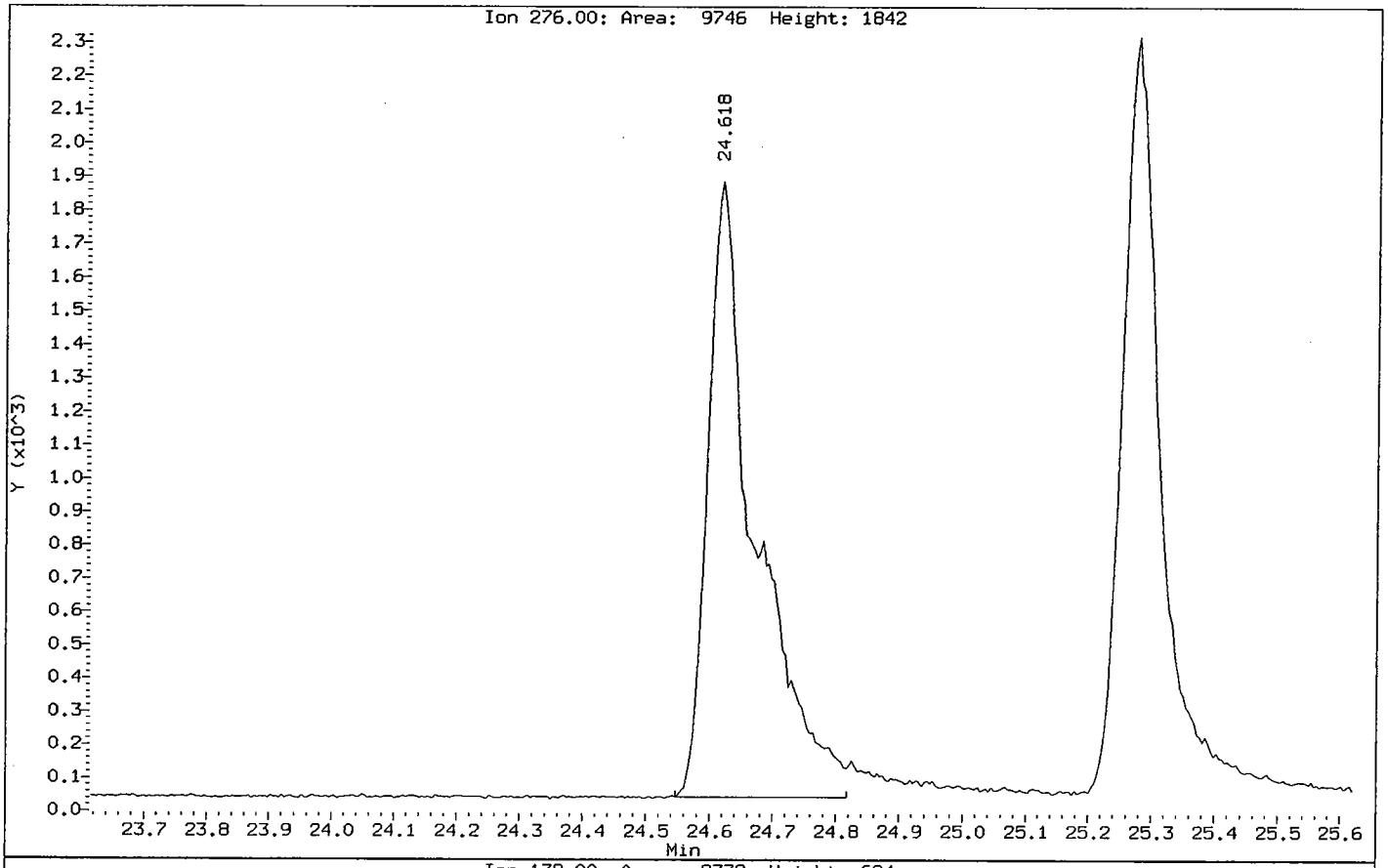
Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 6977 Manually integrated

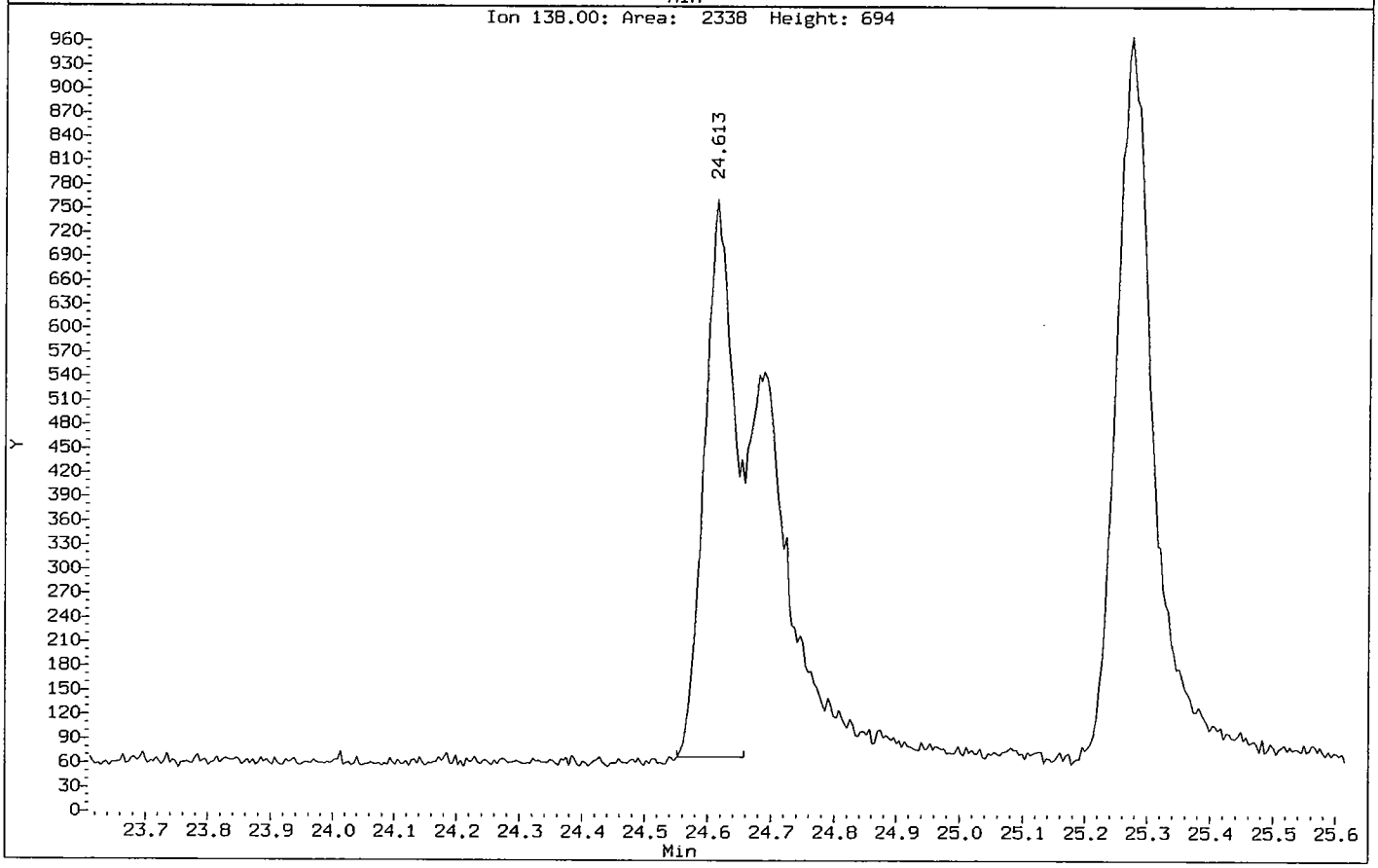


File name: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL1A70.d
Client ID: SSTD0.4Z4
Instrument ID: 5972hp70.i
Injection Date and Time: 30-JUN-2010 13:11
Retention Time: 24.62
Operator ID: MEW

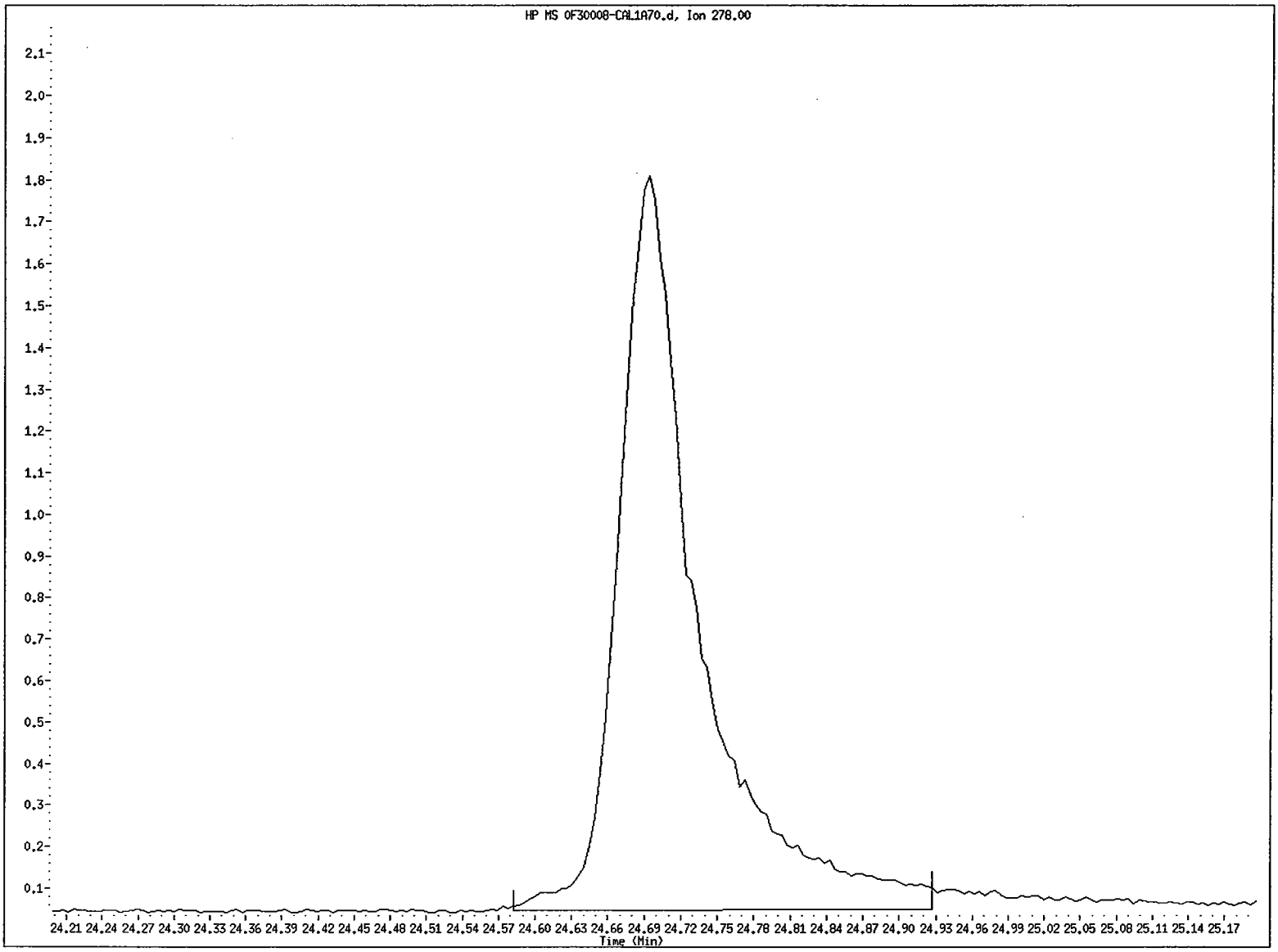
Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL1A70.d
Injection Date: 30-JUN-2010 13:11
Instrument: 5972hp70.i
Client Sample ID: SSTD0.4Z4

Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





Dibenzo(a,h)anthracene CAS Number 53-70-3 Area = 8130 Manually integrated



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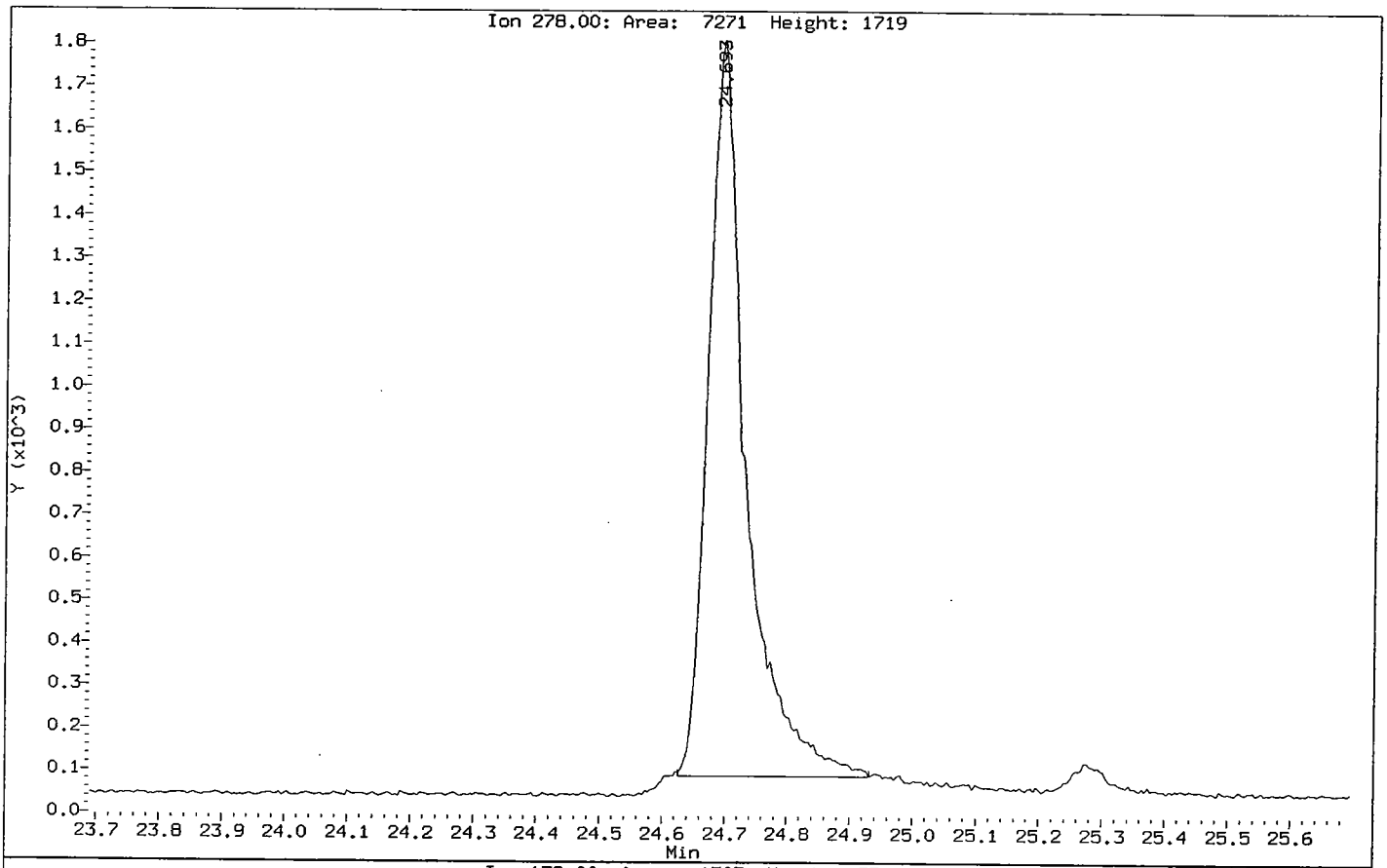
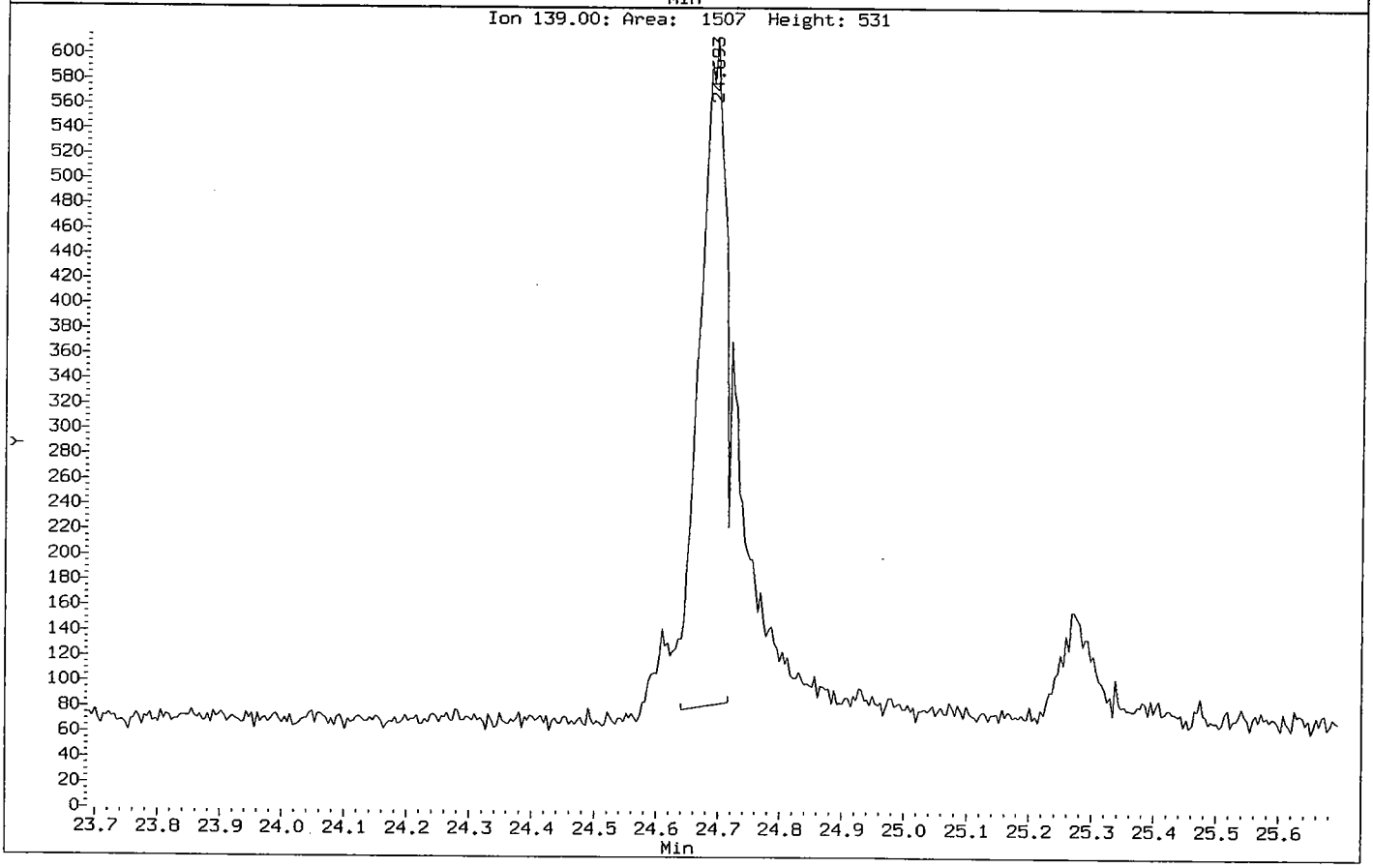
Client ID: SSTD0.4Z4
Instrument ID: 5972hp70.i
Injection Date and Time: 30-JUN-2010 13:11
Retention Time: 24.69
Operator ID: MEW

Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL1A70.d
Injection Date: 30-JUN-2010 13:11
Instrument: 5972hp70.i
Client Sample ID: SSTD0.4Z4

Compound: Dibenzo(a,h)anthracene
CAS Number: 53-70-3





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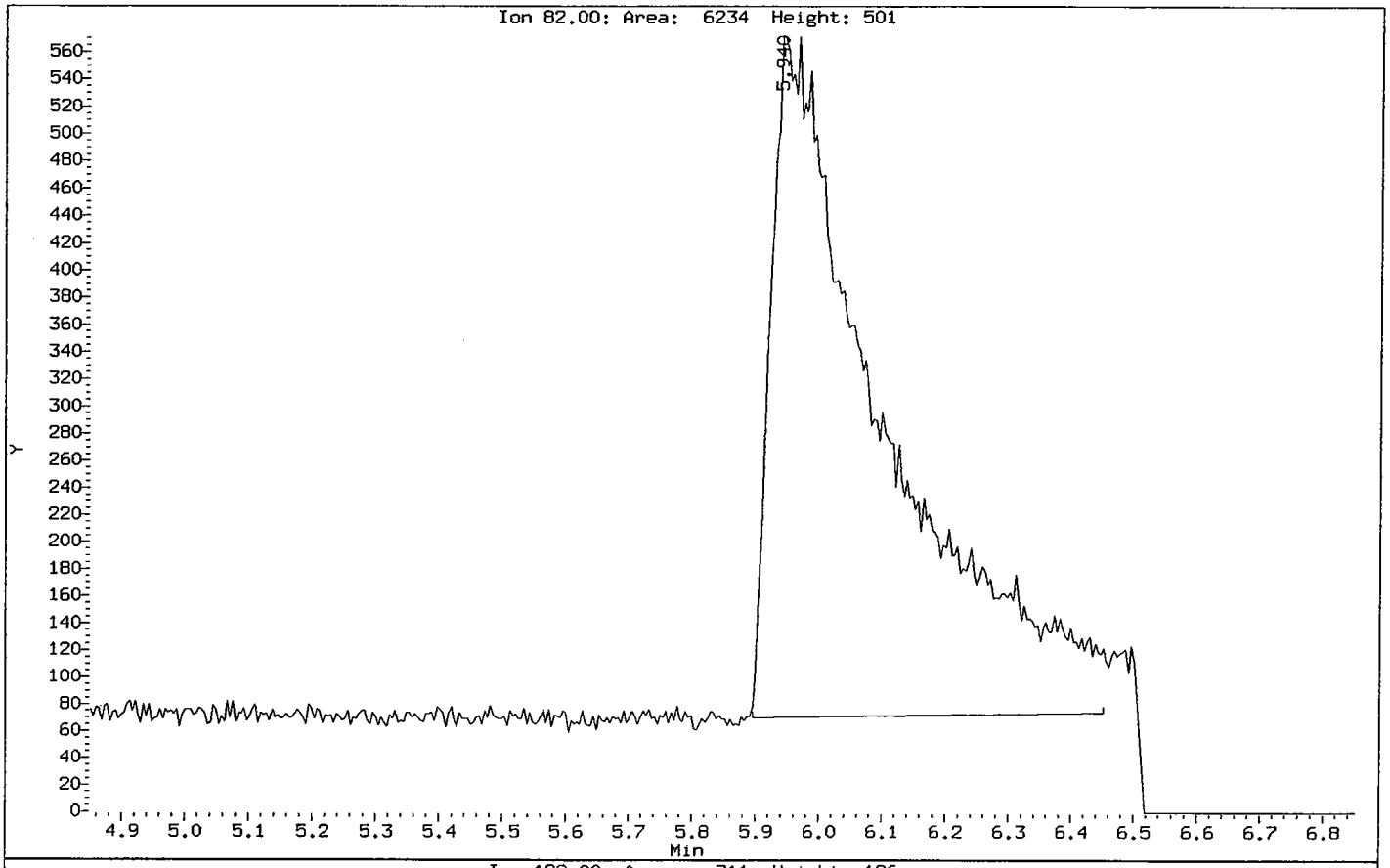
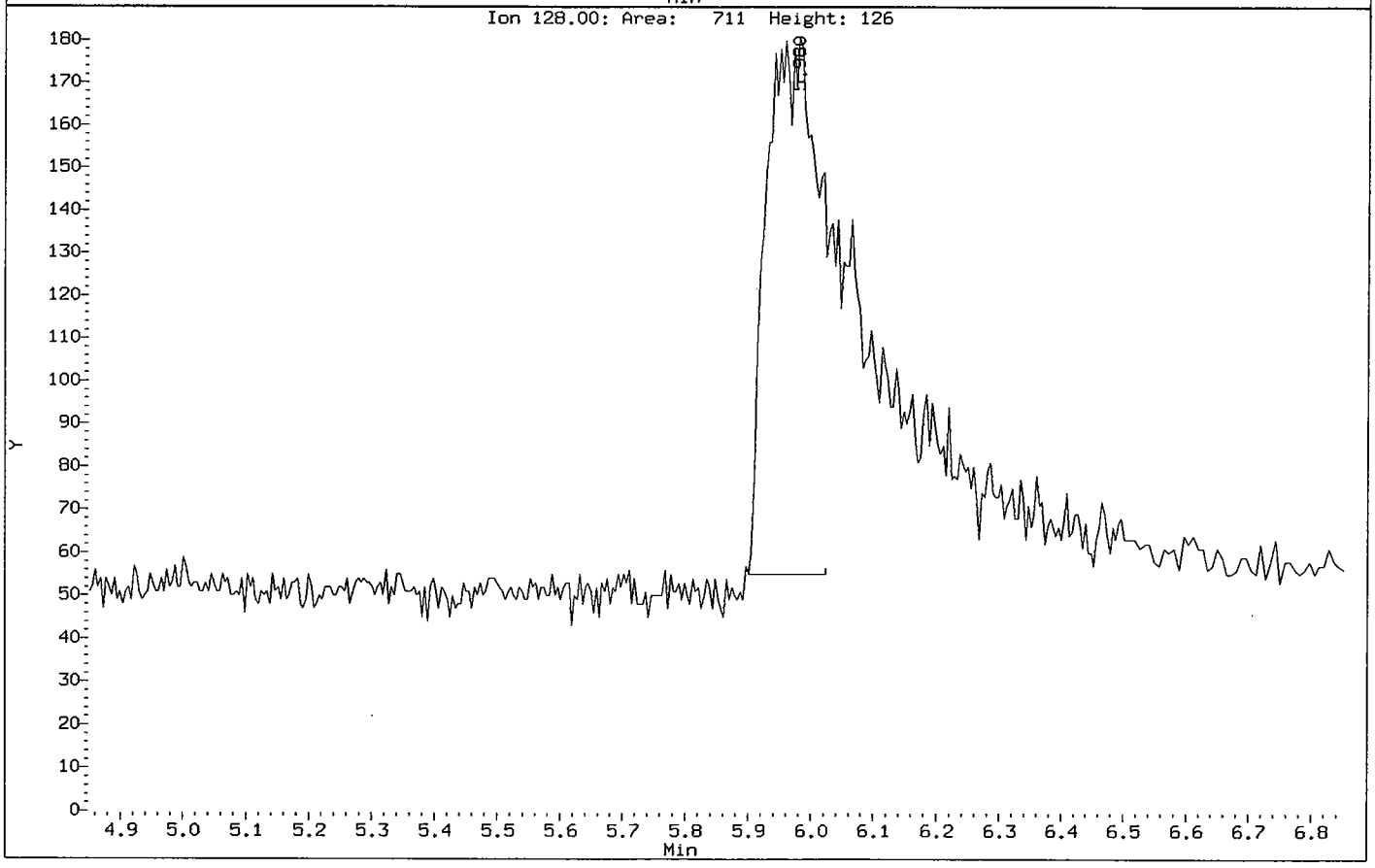
Injection Date: 30-JUN-2010 13:11
Instrument: 5972hp70.i
Client Sample ID: SSTD0.4Z4

Compound: Nitrobenzene-d5
CAS Number: 4165-60-0





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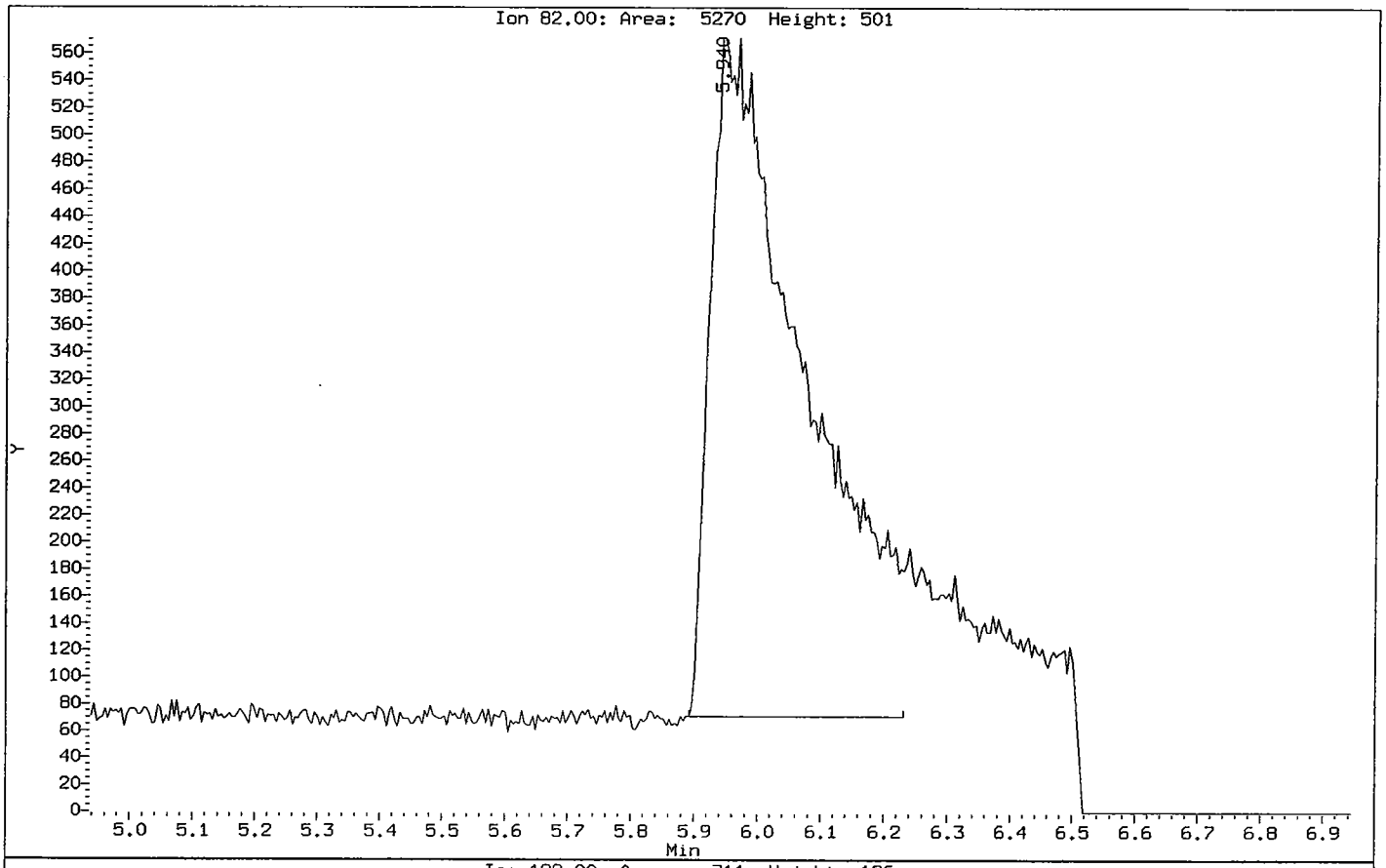
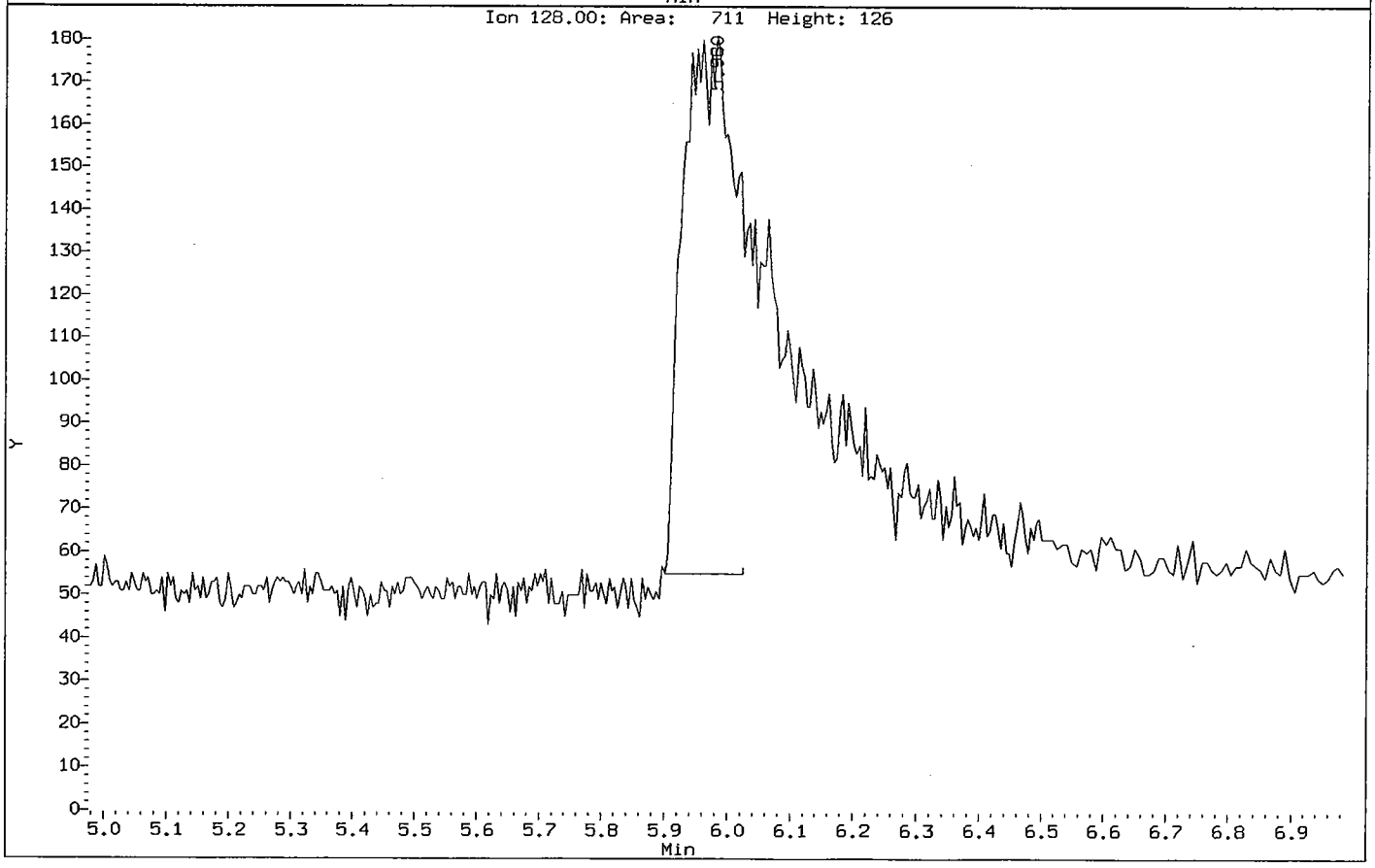
Injection Date: 30-JUN-2010 13:11
Instrument: 5972hp70.i
Client Sample ID: SSTD0.4Z4

Compound: Nitrobenzene-d5
CAS Number: 4165-60-0

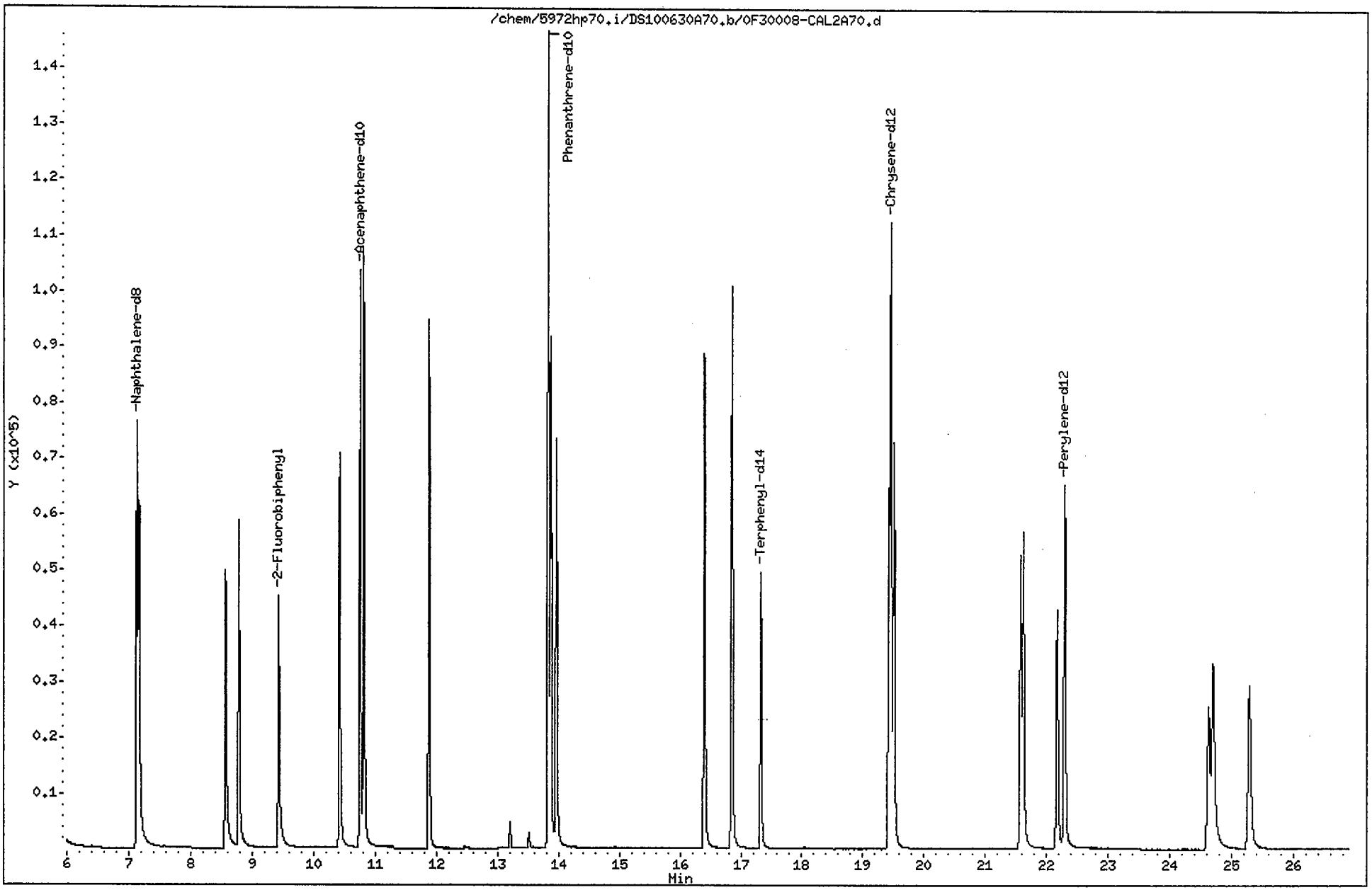




Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL2A70.d
Date : 30-JUN-2010 13:46
Client ID: SSTD1.2Z4
Sample Info: SSTD1.2Z4:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i

Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL2A70.d
Report Date: 01-Jul-2010 13:45

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Data file : /chem/5972hp70.i/DS100630A70.b/0F30008-CAL2A70.d
Lab Smp Id: 0F30008-CAL2 Client Smp ID: SSTD1.2Z4
Inj Date : 30-JUN-2010 13:46
Operator : MEW Inst ID: 5972hp70.i
Smp Info : SSTD1.2Z4:MEW
Misc Info : SSTD1.2Z4
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Meth Date : 01-Jul-2010 13:45 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 13:46 Cal File: 0F30008-CAL2A70.d
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.823	4.822	(1.000)	32249	2.00000	
* 2 Naphthalene-d8	136	7.129	7.129	(1.000)	124023	2.00000	
* 3 Acenaphthene-d10	164	10.756	10.757	(1.000)	82405	2.00000	
* 4 Phenanthrene-d10	188	13.829	13.829	(1.000)	179451	2.00000	
* 5 Chrysene-d12	240	19.453	19.454	(1.000)	146989	2.00000	
* 6 Perylene-d12	264	22.287	22.287	(1.000)	119399	2.00000	
$ 9 Nitrobenzene-d5	82	5.869	5.849	(0.823)	46378	1.20000	1.3
$ 10 2-Fluorobiphenyl	172	9.432	9.428	(0.877)	69552	1.20000	1.3
$ 12 Terphenyl-d14	244	17.328	17.326	(0.891)	62951	1.20000	1.2
13 Naphthalene	128	7.168	7.160	(1.005)	97685	1.20000	1.2
15 2-Methylnaphthalene	141	8.568	8.564	(1.202)	45950	1.20000	1.3
17 Acenaphthylene	152	10.421	10.415	(0.969)	91924	1.20000	1.3
18 Acenaphthene	154	10.815	10.816	(1.005)	60030	1.20000	1.2
21 Fluorene	166	11.881	11.879	(1.105)	77225	1.20000	1.3
25 Phenanthrene	178	13.873	13.873	(1.003)	121170	1.20000	1.2

Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL2A70.d
Report Date: 01-Jul-2010 13:45

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	13.965	13.966	(1.010)	109020	1.20000	1.3
27 Fluoranthene	202	16.401	16.399	(1.186)	115404	1.20000	1.3
28 Pyrene	202	16.851	16.854	(0.866)	126866	1.20000	1.2
29 Benzo(a)anthracene	228	19.423	19.419	(0.998)	92113	1.20000	1.3
30 Chrysene	228	19.506	19.507	(1.003)	112065	1.20000	1.2
31 Benzo(b)fluoranthene	252	21.572	21.577	(0.968)	80428	1.20000	1.3
32 Benzo(k)fluoranthene	252	21.617	21.621	(0.970)	102647	1.20000	1.2
33 Benzo(a)pyrene	252	22.168	22.168	(0.995)	75593	1.20000	1.3
34 Indeno(1,2,3-cd)pyrene	276	24.623	24.626	(1.105)	58182	1.20000	1.2(M)
35 Dibenzo(a,h)anthracene	278	24.693	24.697	(1.108)	64337	1.20000	1.3
36 Benzo(g,h,i)perylene	276	25.280	25.288	(1.134)	73502	1.20000	1.3

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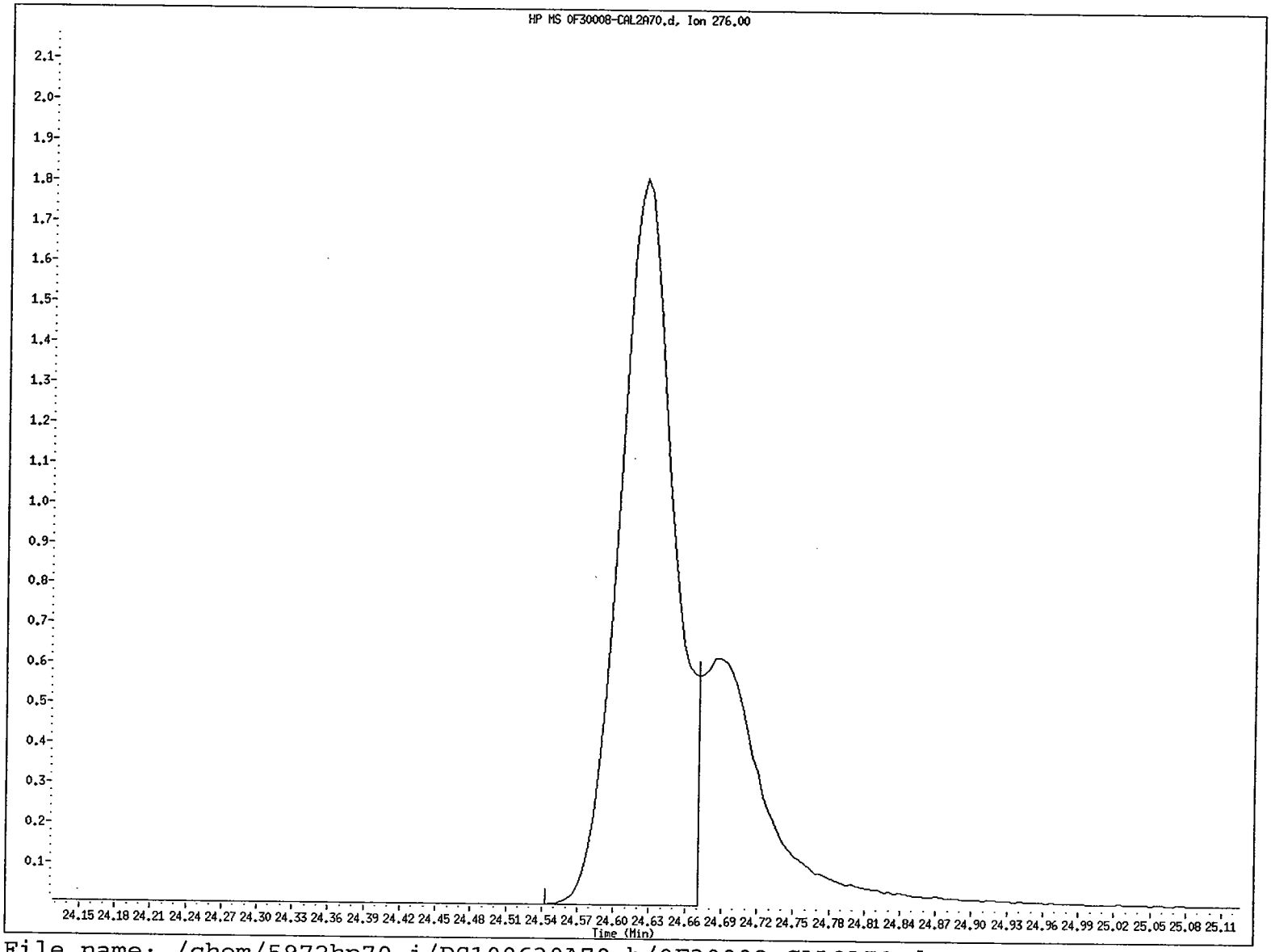
PW 7/1/10

QC Flag Legend

M - Compound response manually integrated.

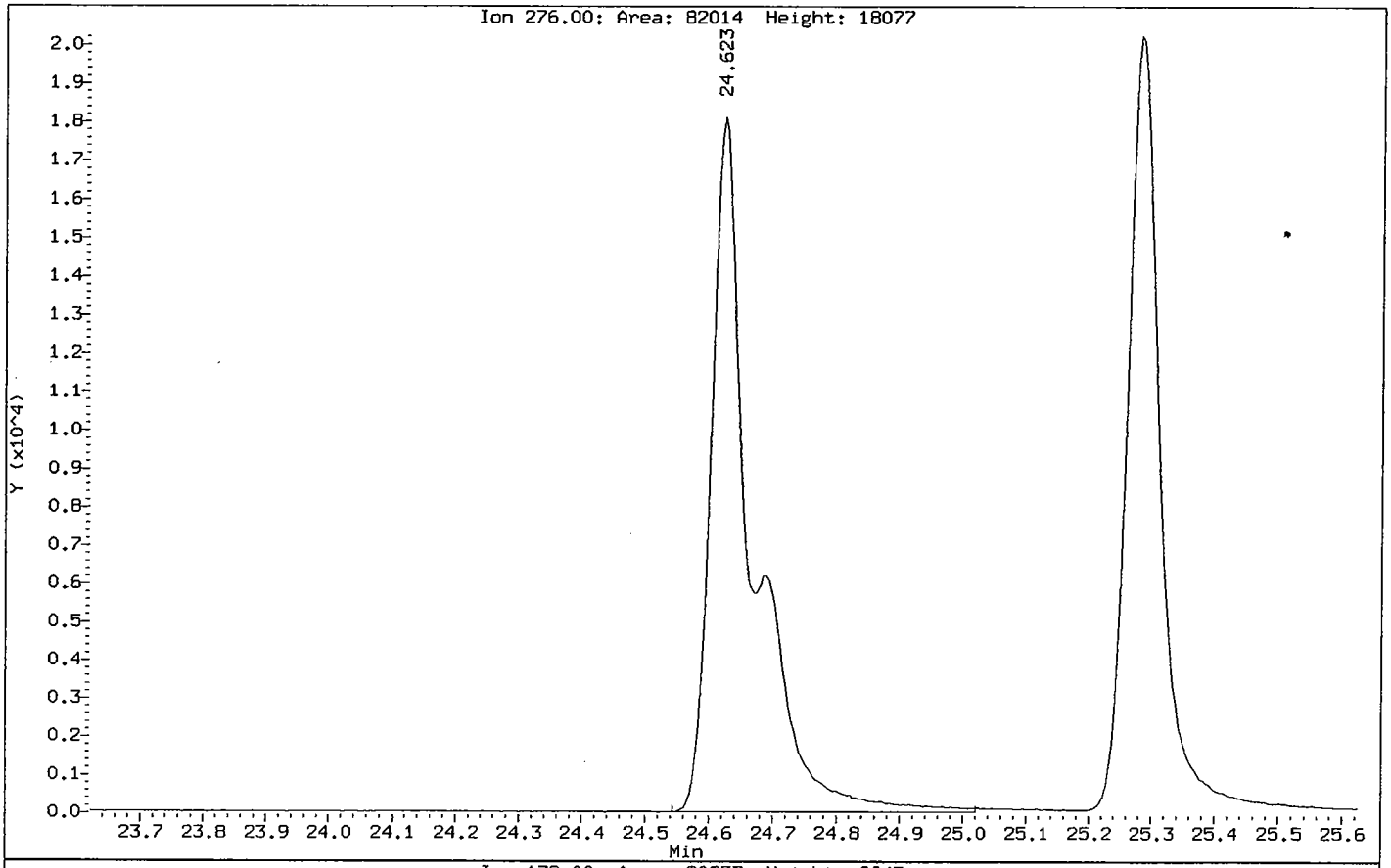
Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 58182 Manually integrated

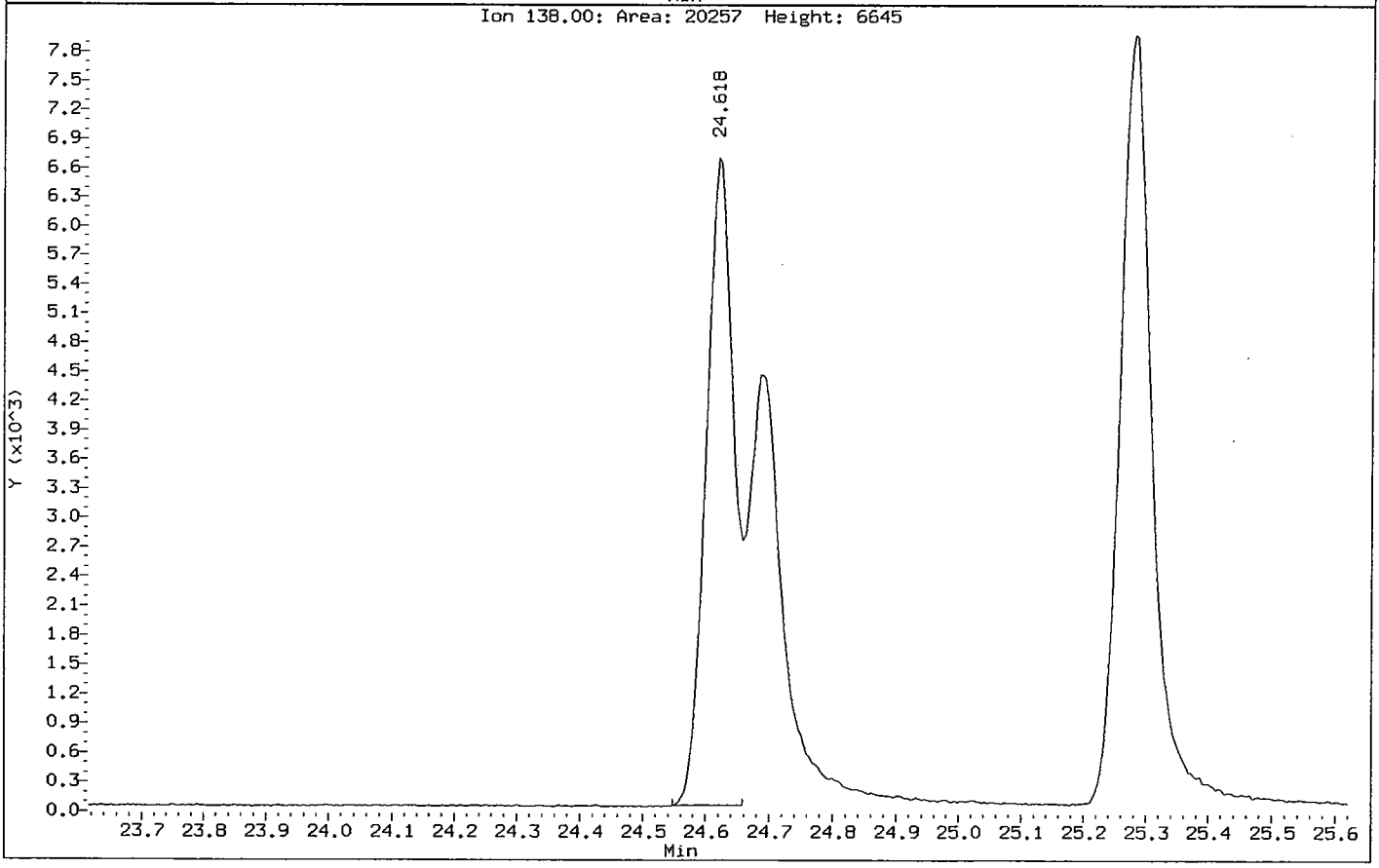


File name: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL2A70.d
Client ID: SSTD1.2Z4
Instrument ID: 5972hp70.i
Injection Date and Time: 30-JUN-2010 13:46
Retention Time: 24.62
Operator ID: MEW

Data File: /chem/5972hp70.i/DS100630A70.b/OF30008-CAL2A70.d
Injection Date: 30-JUN-2010 13:46
Instrument: 5972hp70.i
Client Sample ID: SSTD1.2Z4

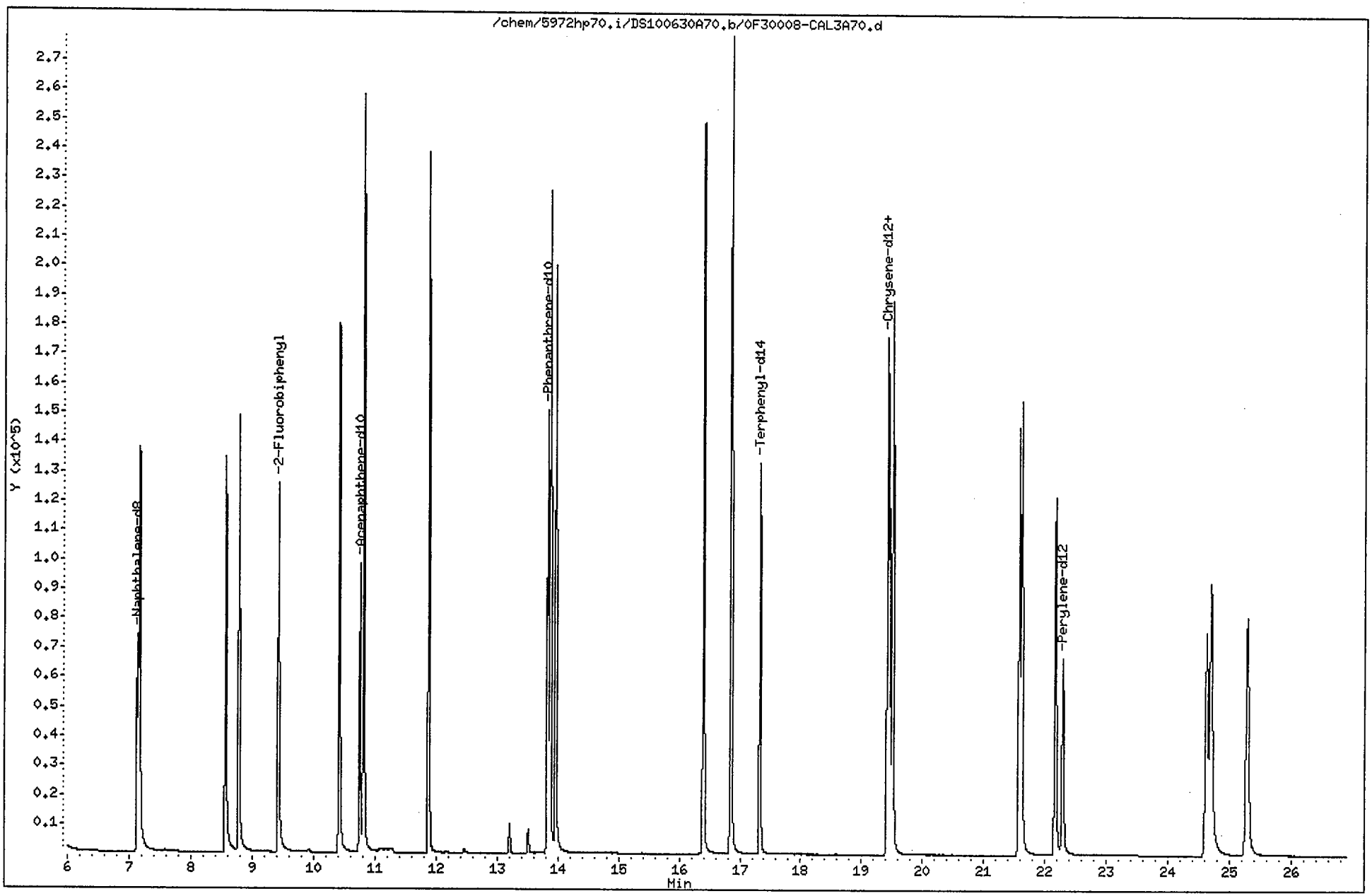
Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL3A70.d
Date : 30-JUN-2010 14:22
Client ID: SSTD003Z4
Sample Info: SSTD003Z4:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL3A70.d
Report Date: 01-Jul-2010 13:45

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630A70.b/0F30008-CAL3A70.d
Lab Smp Id: 0F30008-CAL3 Client Smp ID: SSTD003Z4
Inj Date : 30-JUN-2010 14:22
Operator : MEW Inst ID: 5972hp70.i
Smp Info : SSTD003Z4:MEW
Misc Info : SSTD003Z4
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Meth Date : 01-Jul-2010 13:45 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 14:22 Cal File: 0F30008-CAL3A70.d
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	4.822	4.822	(1.000)	30058	2.00000	
*	2 Naphthalene-d8	136	7.130	7.129	(1.000)	116045	2.00000	
*	3 Acenaphthene-d10	164	10.756	10.757	(1.000)	79465	2.00000	
*	4 Phenanthrene-d10	188	13.829	13.829	(1.000)	183132	2.00000	
*	5 Chrysene-d12	240	19.454	19.454	(1.000)	149459	2.00000	
*	6 Perylene-d12	264	22.288	22.287	(1.000)	119648	2.00000	
$	9 Nitrobenzene-d5	82	5.859	5.849	(0.822)	114506	3.00000	3.3
$	10 2-Fluorobiphenyl	172	9.428	9.428	(0.876)	166678	3.00000	3.1
$	12 Terphenyl-d14	244	17.326	17.326	(0.891)	163169	3.00000	3.1
	13 Naphthalene	128	7.161	7.160	(1.004)	221102	3.00000	3.0
	15 2-Methylnaphthalene	141	8.564	8.564	(1.201)	110983	3.00000	3.2
	17 Acenaphthylene	152	10.422	10.415	(0.969)	229532	3.00000	3.2
	18 Acenaphthene	154	10.815	10.816	(1.005)	142513	3.00000	3.0
	21 Fluorene	166	11.879	11.879	(1.104)	186558	3.00000	3.2
	25 Phenanthrene	178	13.873	13.873	(1.003)	296746	3.00000	2.9

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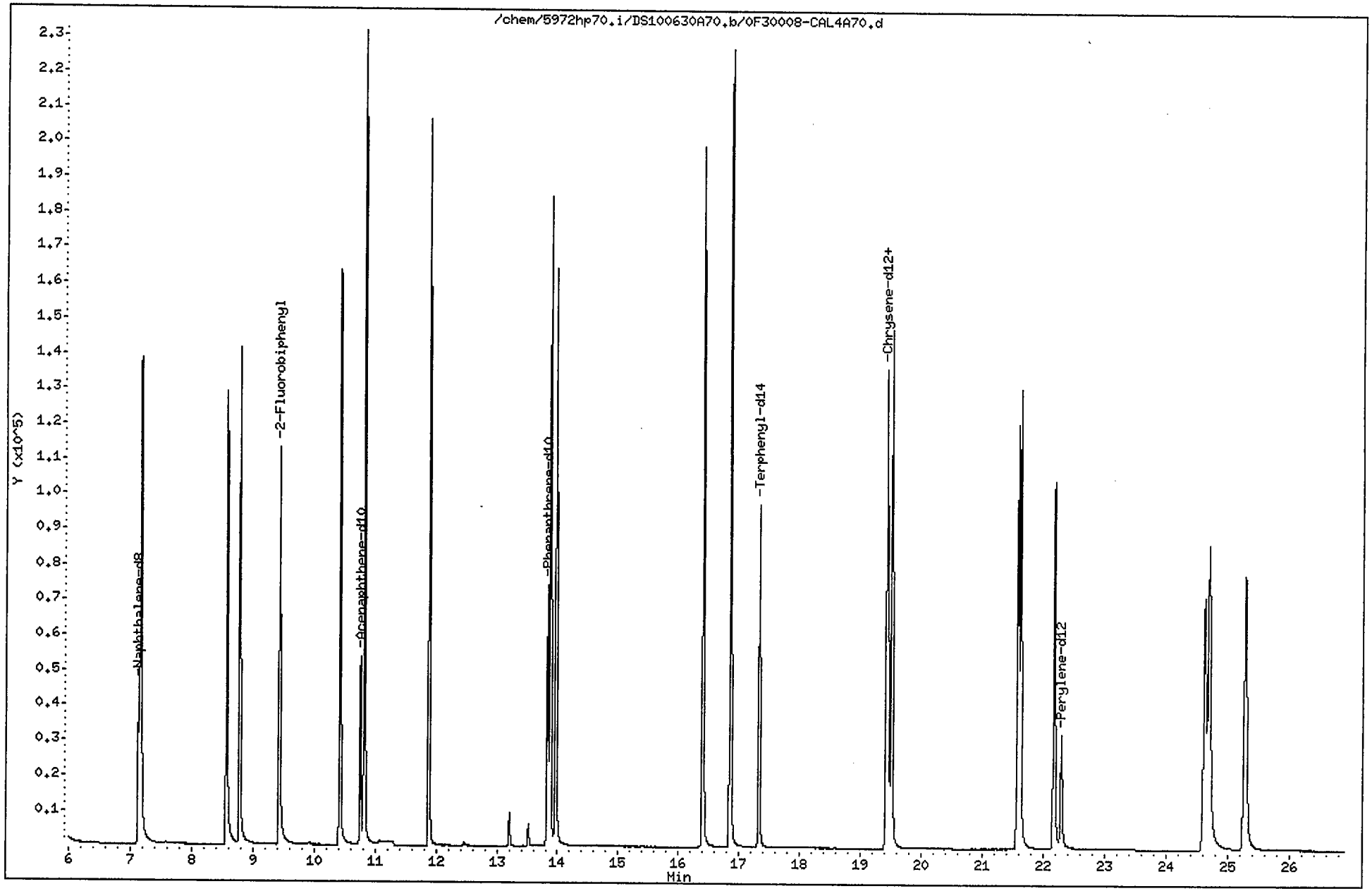
Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL3A70.d
Report Date: 01-Jul-2010 13:45

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	13.965	13.966	(1.010)	283674	3.00000	3.2
27 Fluoranthene	202	16.400	16.399	(1.186)	302283	3.00000	3.1
28 Pyrene	202	16.854	16.854	(0.866)	330629	3.00000	3.1
29 Benzo(a)anthracene	228	19.418	19.419	(0.998)	245999	3.00000	3.3
30 Chrysene	228	19.502	19.507	(1.002)	276527	3.00000	2.9
31 Benzo(b)fluoranthene	252	21.573	21.577	(0.968)	219995	3.00000	3.3
32 Benzo(k)fluoranthene	252	21.617	21.621	(0.970)	259914	3.00000	3.0
33 Benzo(a)pyrene	252	22.169	22.168	(0.995)	204181	3.00000	3.3
34 Indeno(1,2,3-cd)pyrene	276	24.619	24.626	(1.105)	166154	3.00000	3.0
35 Dibenzo(a,h)anthracene	278	24.694	24.697	(1.108)	175642	3.00000	3.3
36 Benzo(g,h,i)perylene	276	25.281	25.288	(1.134)	190684	3.00000	3.2

Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL4A70.d
Date : 30-JUN-2010 14:57
Client ID: SSTD005Z4
Sample Info: SSTD005Z4:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL4A70.d
Report Date: 01-Jul-2010 13:45

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630A70.b/0F30008-CAL4A70.d
Lab Smp Id: 0F30008-CAL4 Client Smp ID: SSTD005Z4
Inj Date : 30-JUN-2010 14:57
Operator : MEW Inst ID: 5972hp70.i
Smp Info : SSTD005Z4:MEW
Misc Info : SSTD005Z4
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Meth Date : 01-Jul-2010 13:45 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 14:57 Cal File: 0F30008-CAL4A70.d
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	4.828	4.822	(1.000)	19360	2.00000	
*	2 Naphthalene-d8	136	7.130	7.129	(1.000)	69661	2.00000	
*	3 Acenaphthene-d10	164	10.756	10.757	(1.000)	42738	2.00000	
*	4 Phenanthrene-d10	188	13.828	13.829	(1.000)	90374	2.00000	
*	5 Chrysene-d12	240	19.454	19.454	(1.000)	70893	2.00000	
*	6 Perylene-d12	264	22.287	22.287	(1.000)	60609	2.00000	
$	9 Nitrobenzene-d5	82	5.861	5.849	(0.822)	123473	5.00000	5.6
$	10 2-Fluorobiphenyl	172	9.427	9.428	(0.876)	149502	5.00000	5.1
$	12 Terphenyl-d14	244	17.328	17.326	(0.891)	120655	5.00000	4.8
	13 Naphthalene	128	7.169	7.160	(1.005)	222463	5.00000	5.0
	15 2-Methylnaphthalene	141	8.563	8.564	(1.201)	105127	5.00000	5.1
	17 Acenaphthylene	152	10.415	10.415	(0.968)	207654	5.00000	5.2
	18 Acenaphthene	154	10.815	10.816	(1.005)	128922	5.00000	5.0
	21 Fluorene	166	11.878	11.879	(1.104)	162824	5.00000	5.1
	25 Phenanthrene	178	13.872	13.873	(1.003)	245013	5.00000	4.9

Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL4A70.d
Report Date: 01-Jul-2010 13:45

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	13.965	13.966	(1.010)	231724	5.00000	5.2
27 Fluoranthene	202	16.397	16.399	(1.186)	238401	5.00000	5.0
28 Pyrene	202	16.851	16.854	(0.866)	264805	5.00000	5.2
29 Benzo(a)anthracene	228	19.418	19.419	(0.998)	189261	5.00000	5.2
30 Chrysene	228	19.506	19.507	(1.003)	221865	5.00000	5.0
31 Benzo(b)fluoranthene	252	21.573	21.577	(0.968)	179972	5.00000	5.3
32 Benzo(k)fluoranthene	252	21.617	21.621	(0.970)	221420	5.00000	5.1
33 Benzo(a)pyrene	252	22.168	22.168	(0.995)	181152	5.00000	5.6
34 Indeno(1,2,3-cd)pyrene	276	24.623	24.626	(1.105)	155905	5.00000	5.1(M)
35 Dibenzo(a,h)anthracene	278	24.693	24.697	(1.108)	169666	5.00000	5.9
36 Benzo(g,h,i)perylene	276	25.280	25.288	(1.134)	189179	5.00000	5.8

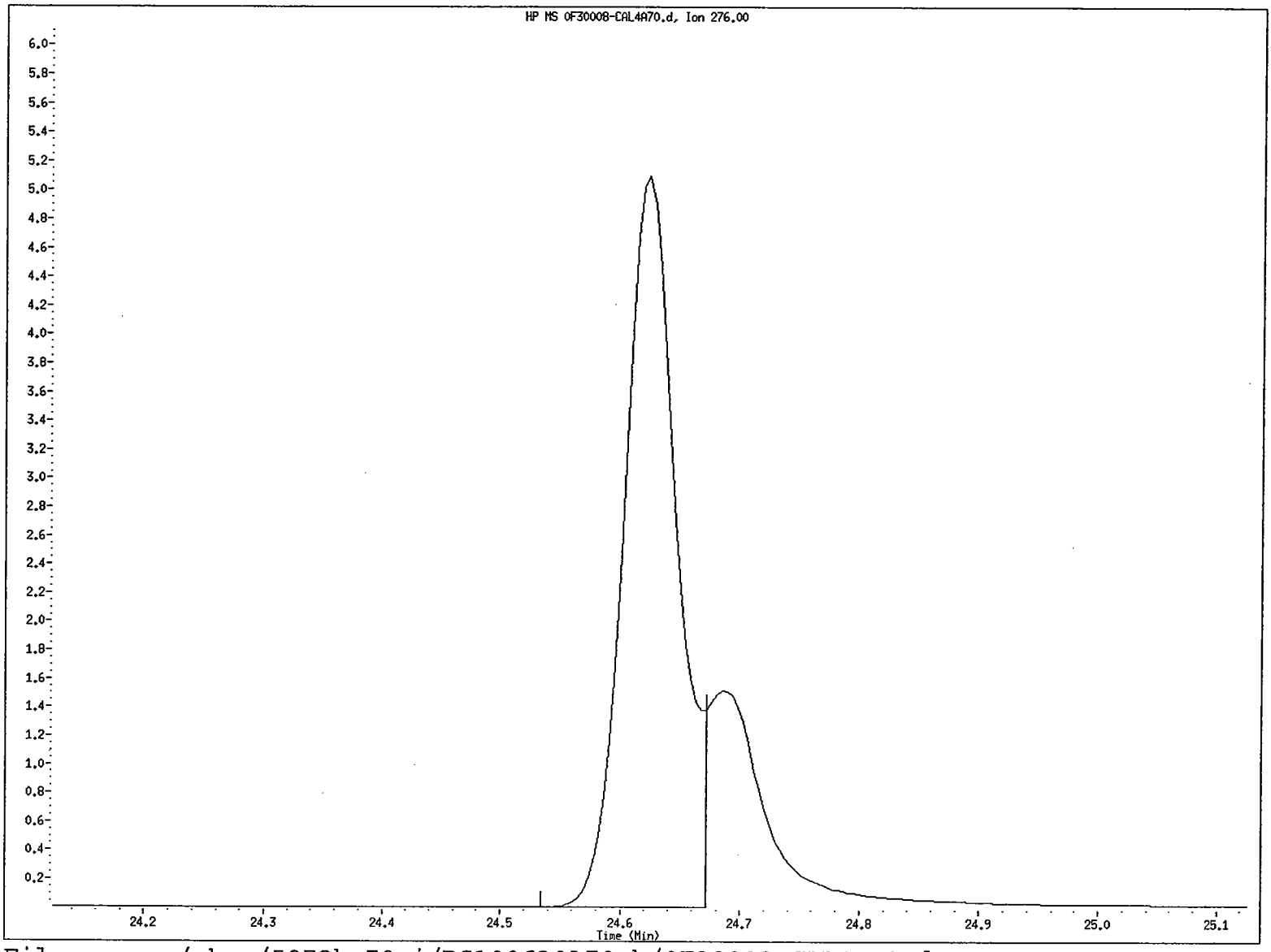
2 07/1/10

pw 7/1/10

QC Flag Legend

M - Compound response manually integrated.

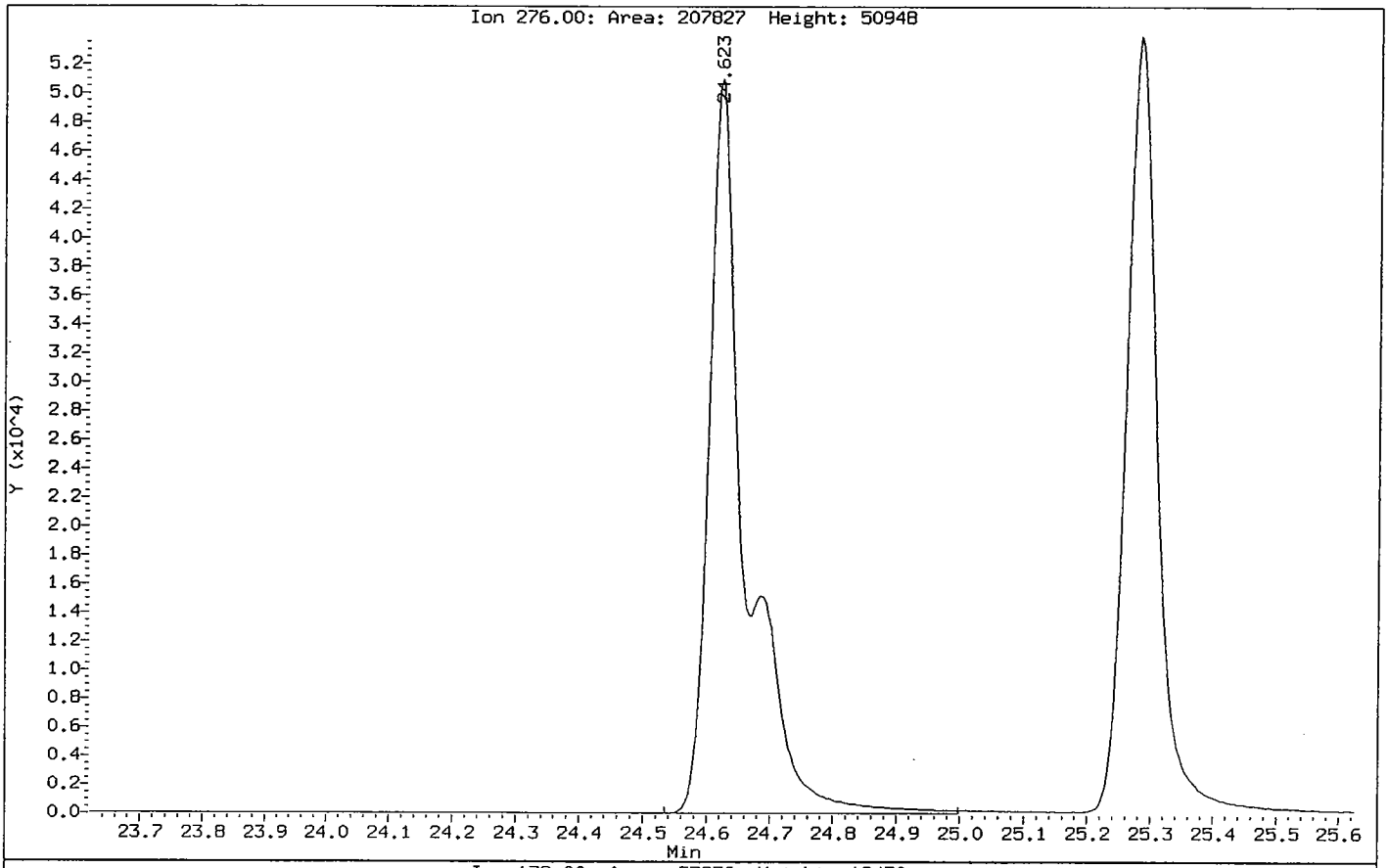
Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 155905 Manually integrated

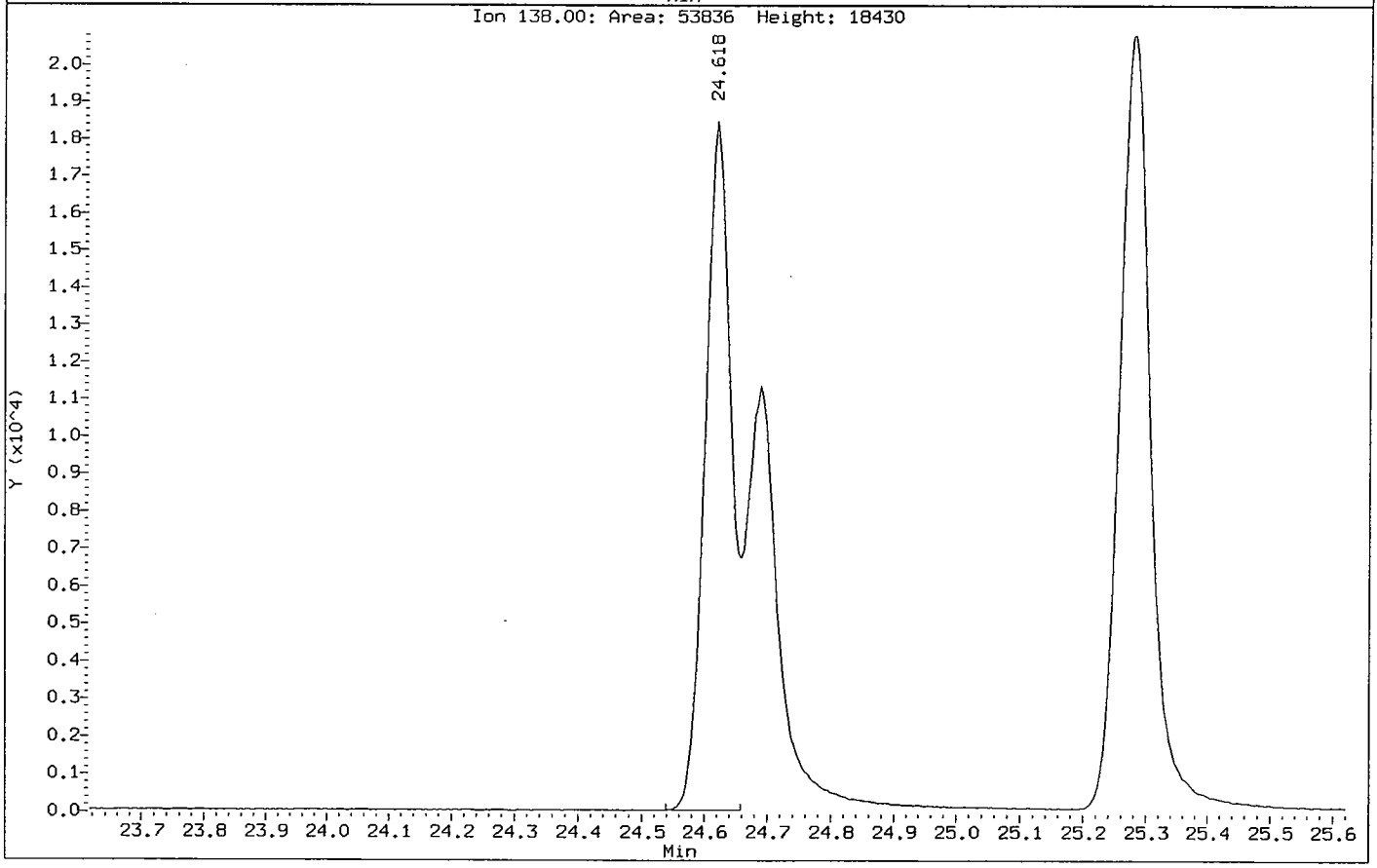


File name: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL4A70.d
Client ID: SSTD005Z4
Instrument ID: 5972hp70.i
Injection Date and Time: 30-JUN-2010 14:57
Retention Time: 24.62
Operator ID: MEW

Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL4A70.d
Injection Date: 30-JUN-2010 14:57
Instrument: 5972hp70.i
Client Sample ID: SSTD00524

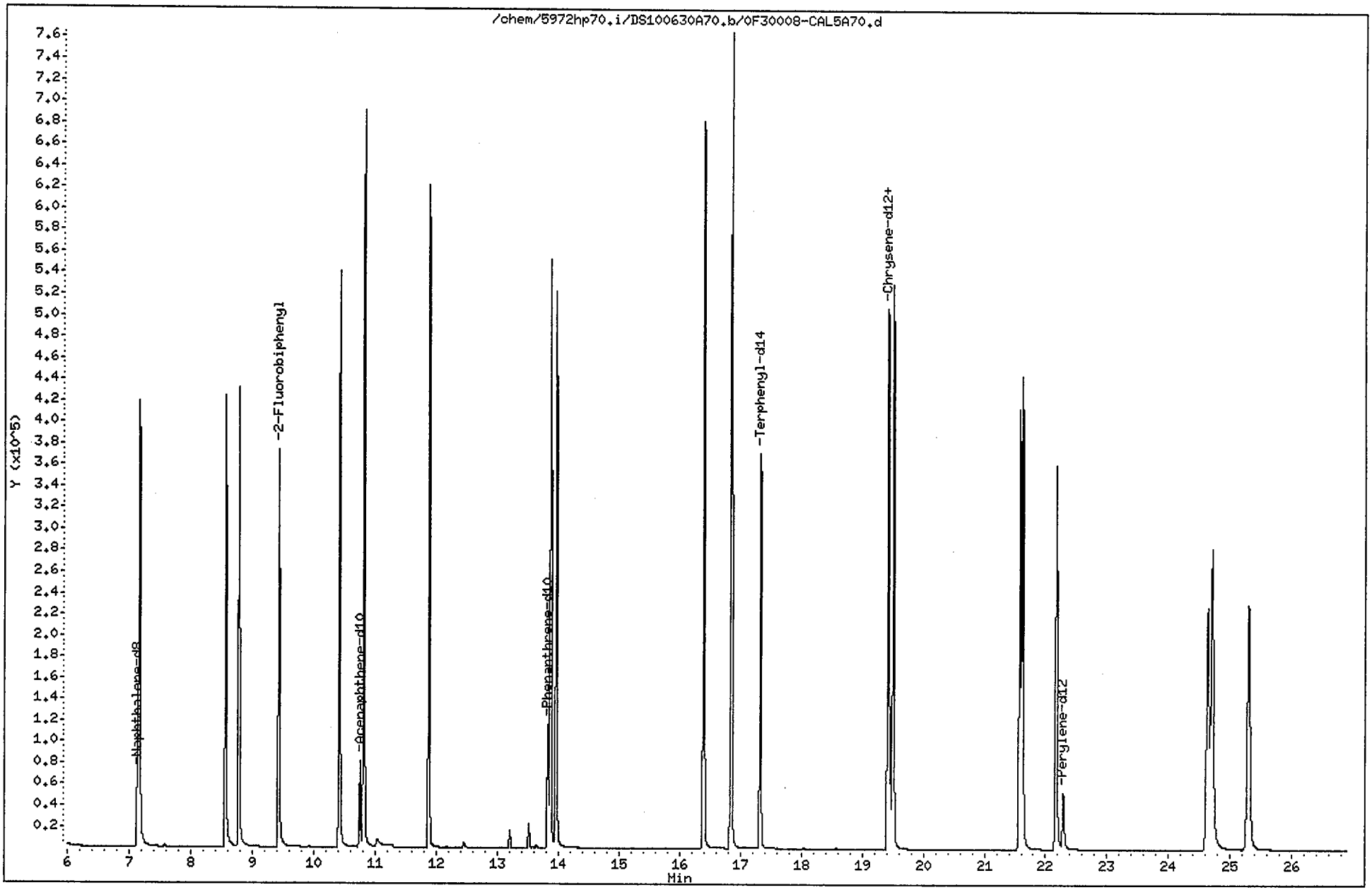
Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL5A70.d
Date : 30-JUN-2010 15:33
Client ID: SSTD010Z4
Sample Info: SSTD010Z4:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL5A70.d
Report Date: 01-Jul-2010 13:45

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630A70.b/0F30008-CAL5A70.d
Lab Smp Id: 0F30008-CAL5 Client Smp ID: SSTD010Z4
Inj Date : 30-JUN-2010 15:33
Operator : MEW Inst ID: 5972hp70.i
Smp Info : SSTD010Z4:MEW
Misc Info : SSTD010Z4
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Meth Date : 01-Jul-2010 13:45 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)	
* 1 1,4-Dichlorobenzene-d4	152	4.822	4.822	(1.000)	25242	2.00000		
* 2 Naphthalene-d8	136	7.129	7.129	(1.000)	95948	2.00000		
* 3 Acenaphthene-d10	164	10.757	10.757	(1.000)	62816	2.00000		
* 4 Phenanthrene-d10	188	13.829	13.829	(1.000)	138127	2.00000		
* 5 Chrysene-d12	240	19.454	19.454	(1.000)	118172	2.00000		
* 6 Perylene-d12	264	22.287	22.287	(1.000)	93129	2.00000		
$ 9 Nitrobenzene-d5	82	5.849	5.849	(0.820)	348070	10.0000		11(A)
$ 10 2-Fluorobiphenyl	172	9.428	9.428	(0.876)	446590	10.0000		10(A)
$ 12 Terphenyl-d14	244	17.326	17.326	(0.891)	434014	10.0000		10(A)
13 Naphthalene	128	7.160	7.160	(1.004)	605467	10.0000		9.9
15 2-Methylnaphthalene	141	8.564	8.564	(1.201)	306025	10.0000		11(A)
17 Acenaphthylene	152	10.415	10.415	(0.968)	637345	10.0000		11(A)
18 Acenaphthene	154	10.816	10.816	(1.005)	377909	10.0000		10(A)
21 Fluorene	166	11.879	11.879	(1.104)	483335	10.0000		10(A)
25 Phenanthrene	178	13.873	13.873	(1.003)	733885	10.0000		9.7

Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL5A70.d
Report Date: 01-Jul-2010 13:45

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	13.966	13.966	(1.010)	716835	10.0000	10(A)
27 Fluoranthene	202	16.399	16.399	(1.186)	797592	10.0000	11(A)
28 Pyrene	202	16.854	16.854	(0.866)	869074	10.0000	10(A)
29 Benzo(a)anthracene	228	19.419	19.419	(0.998)	692038	10.0000	11(A)
30 Chrysene	228	19.507	19.507	(1.003)	732314	10.0000	9.9
31 Benzo(b)fluoranthene	252	21.577	21.577	(0.968)	624537	10.0000	11(A)
32 Benzo(k)fluoranthene	252	21.621	21.621	(0.970)	690394	10.0000	10(A)
33 Benzo(a)pyrene	252	22.168	22.168	(0.995)	583987	10.0000	11(A)
34 Indeno(1,2,3-cd)pyrene	276	24.626	24.626	(1.105)	477815	10.0000	10
35 Dibenzo(a,h)anthracene	278	24.697	24.697	(1.108)	511498	10.0000	11(A)
36 Benzo(g,h,i)perylene	276	25.288	25.288	(1.135)	525276	10.0000	10(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/5972hp70.i/DS100630A70.b/SRC100630A70.d
Report Date: 01-Jul-2010 15:25

CompuChem

RECOVERY REPORT

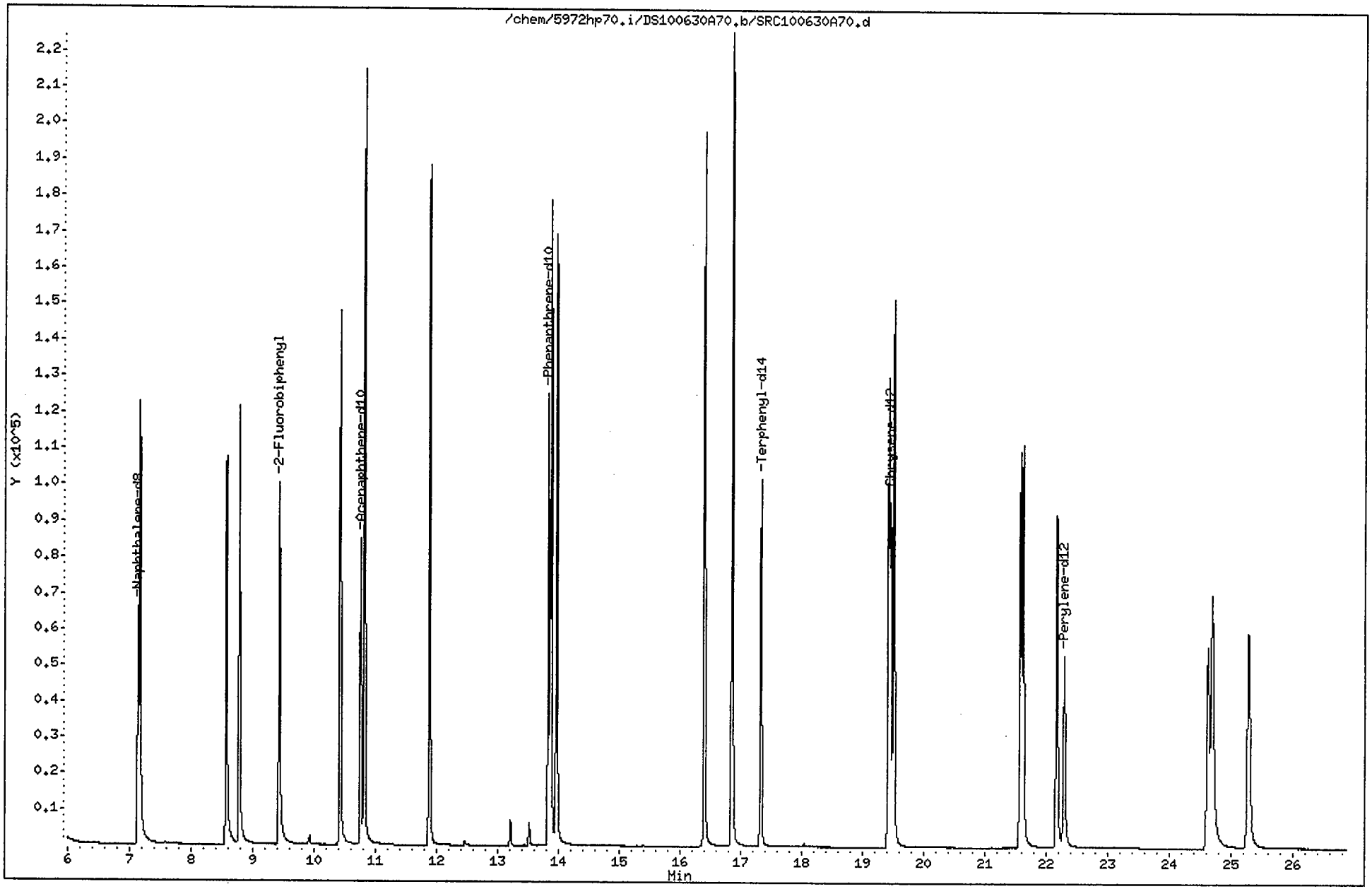
Client Name:
Client SDG: DS100630A70
Sample Matrix: LIQUID
Fraction: SV
Lab Smp Id: SSTD003VAL
Client Smp ID: SSTD003VAL
Level: LOW
Operator: MEW
Data Type: MS DATA
SampleType: LCS
SpikeList File: 2ndsourceSIM.spk
Quant Type: ISTD
Sublist File: ICALPAH.sub
Method File: /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Misc Info: SSTD003VAL

SPIKE COMPOUND	AMOUNT ADDED NG	AMOUNT RECOVERED NG	% RECOVERED	LIMITS
13 Naphthalene	3.0	2.9	96.47	80-120
14 Hexachlorobutadie	0.0030	0.0	*	80-120
15 2-Methylnaphthalen	3.0	3.0	99.56	80-120
16 1-Methylnaphthale	0.0030	0.0	*	80-120
17 Acenaphthylene	3.0	3.0	99.50	80-120
18 Acenaphthene	3.0	2.9	97.53	80-120
20 4-Nitrophenol	0.0080	0.0	*	80-120
21 Fluorene	3.0	3.0	99.80	80-120
23 Hexachlorobenzene	0.0080	0.0	*	80-120
24 Pentachlorophenol	0.0080	0.0	*	80-120
25 Phenanthrene	3.0	2.9	96.85	80-120
26 Anthracene	3.0	3.1	104.43	80-120
27 Fluoranthene	3.0	3.0	98.76	80-120
28 Pyrene	3.0	3.0	100.09	80-120
29 Benzo(a)anthracene	3.0	2.8	94.89	80-120
30 Chrysene	3.0	2.9	96.05	80-120
31 Benzo(b)fluoranthe	3.0	2.8	93.34	80-120
32 Benzo(k)fluoranthe	3.0	3.0	99.19	80-120
33 Benzo(a)pyrene	3.0	3.0	98.43	80-120
34 Indeno(1,2,3-cd)py	3.0	2.6	87.57	80-120
35 Dibenzo(a,h)anthra	3.0	3.0	98.74	80-120
36 Benzo(g,h,i)peryle	3.0	2.8	92.40	80-120

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 9 Nitrobenzene-d5	1.5	1.4	96.54	40-110
$ 10 2-Fluorobiphenyl	1.5	1.5	97.78	50-110
$ 12 Terphenyl-d14	1.5	1.5	98.45	50-135

Data File: /chem/5972hp70.i/DS100630A70.b/SRC100630A70.d
Date : 30-JUN-2010 16:09
Client ID: SSTD003VAL
Sample Info: SSTD003VAL:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630A70.b/SRC100630A70.d
Report Date: 01-Jul-2010 13:50

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630A70.b/SRC100630A70.d
Lab Smp Id: SSTD003VAL Client Smp ID: SSTD003VAL
Inj Date : 30-JUN-2010 16:09
Operator : MEW Inst ID: 5972hp70.i
Smp Info : SSTD003VAL:MEW
Misc Info : SSTD003VAL
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Meth Date : 01-Jul-2010 13:49 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 7 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	4.824	4.822	(1.000)	26203	2.00000	
* 2 Naphthalene-d8	136	7.131	7.129	(1.000)	99076	2.00000	
* 3 Acenaphthene-d10	164	10.756	10.757	(1.000)	67275	2.00000	
* 4 Phenanthrene-d10	188	13.828	13.829	(1.000)	150685	2.00000	
* 5 Chrysene-d12	240	19.453	19.454	(1.000)	120785	2.00000	
* 6 Perylene-d12	264	22.287	22.287	(1.000)	96276	2.00000	
$ 9 Nitrobenzene-d5	82	5.856	5.849	(0.821)	92859	2.89628	1.4
$ 10 2-Fluorobiphenyl	172	9.427	9.428	(0.876)	136005	2.93336	1.5
$ 12 Terphenyl-d14	244	17.328	17.326	(0.891)	126985	2.95353	1.5
13 Naphthalene	128	7.162	7.160	(1.004)	183113	2.89421	1.4
15 2-Methylnaphthalene	141	8.563	8.564	(1.201)	89057	2.98674	1.5
17 Acenaphthylene	152	10.421	10.415	(0.969)	189460	2.98502	1.5
18 Acenaphthene	154	10.815	10.816	(1.005)	117844	2.92596	1.5
21 Fluorene	166	11.879	11.879	(1.104)	151488	2.99388	1.5
25 Phenanthrene	178	13.872	13.873	(1.003)	238958	2.90545	1.5

Data File: /chem/5972hp70.i/DS100630A70.b/SRC100630A70.d
Report Date: 01-Jul-2010 13:50

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
26 Anthracene	178	13.965	13.966	(1.010)	236426	3.13277	1.6
27 Fluoranthene	202	16.397	16.399	(1.186)	239279	2.96286	1.5
28 Pyrene	202	16.851	16.854	(0.866)	262103	3.00271	1.5
29 Benzo(a)anthracene	228	19.418	19.419	(0.998)	181036	2.84661	1.4
30 Chrysene	228	19.502	19.507	(1.002)	218162	2.88158	1.4
31 Benzo(b)fluoranthene	252	21.572	21.577	(0.968)	157762	2.80018	1.4
32 Benzo(k)fluoranthene	252	21.617	21.621	(0.970)	207353	2.97559	1.5
33 Benzo(a)pyrene	252	22.163	22.168	(0.994)	157148	2.95292	1.5
34 Indeno(1,2,3-cd)pyrene	276	24.618	24.626	(1.105)	121591	2.62706	1.3 (M)
35 Dibenzo(a,h)anthracene	278	24.693	24.697	(1.108)	139412	2.96227	1.5
36 Benzo(g,h,i)perylene	276	25.276	25.288	(1.134)	144199	2.77194	1.4

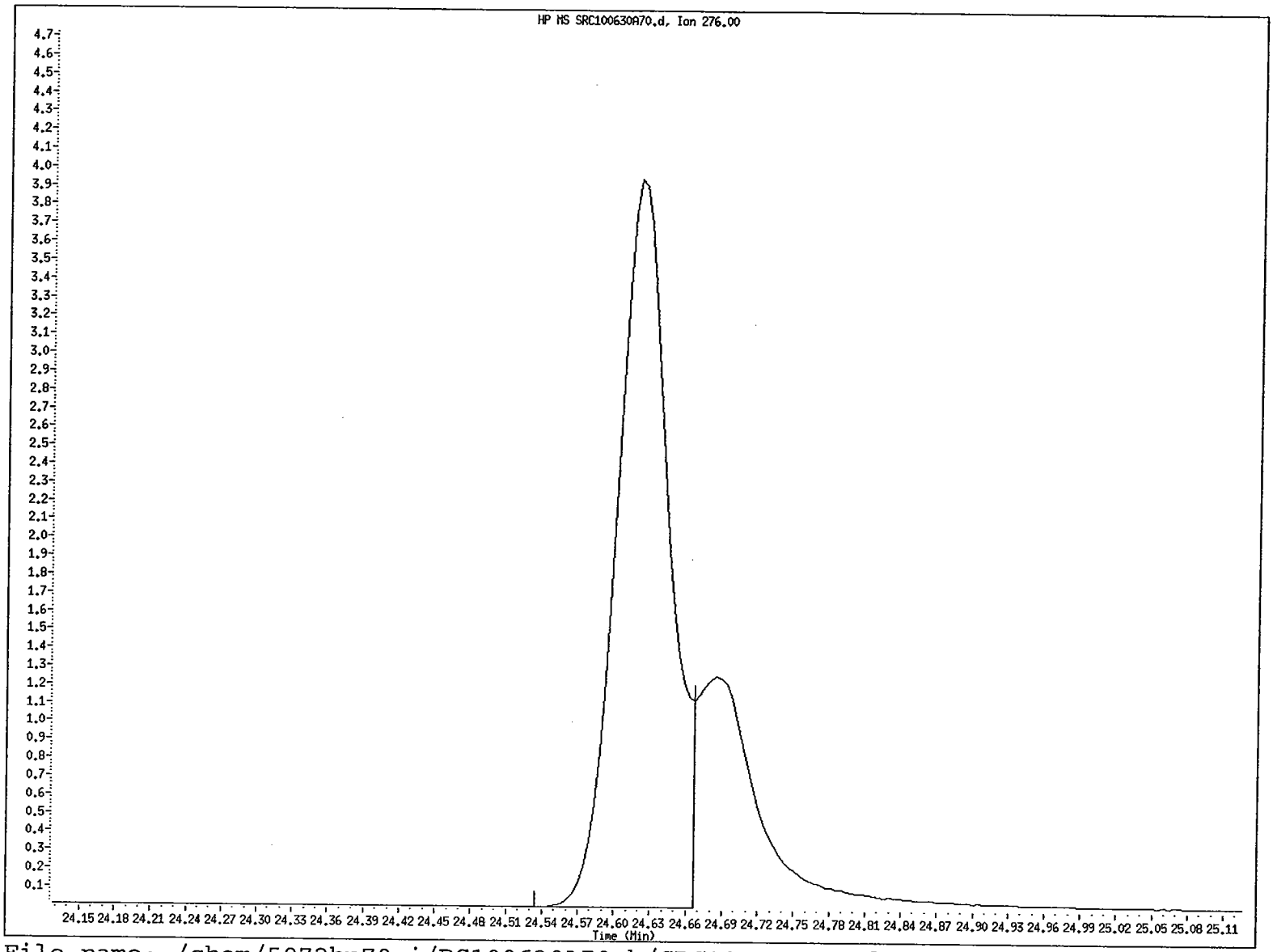
7-6-1/10

RW 7/1/10

QC Flag Legend

M - Compound response manually integrated.

Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 121591 Manually integrated



File name: /chem/5972hp70.i/DS100630A70.b/SRC100630A70.d
Client ID: SSTD003VAL
Instrument ID: 5972hp70.i
Injection Date and Time: 30-JUN-2010 16:09
Retention Time: 24.62
Operator ID: MEW

COMPUCHEM a Division of Liberty Analytical Corp
GC/MS SEMIVOLATILE RUN LOG
LOGBOOK 4U(4) 21 (5972hp70)

DATE 6/30/10 INITIAL TIME OF TUNE 1204 SHIFT/S (A) X (B)____(C)____
TIME TUNE EXPIRES 0004
METHOD: 625 (8270C) 8270D OLC03.2 OLM04.3 SOM01.2 (Circle One) or Other: DAH SIM: (Y)/N)
PREVENTIVE MAINTENANCE None 007 0105

	SEQUENCE#	QC	FILENAME	QC	DATE	TIME	CLIENT ID	SDG#	AMOUNT INJECTED	CHEMIST	COMMENTS
1	OF30008		N/A		6/30/10	1204	FC43	—	2uL	2780	SCD=LCD
2	S100630A		ASCAN A70		/ /	1228	SSTD003	—			
3			OF30008-CAL1		/ /	1311	SSTD 0.4 Z4	—			DE18005 8-18-10
4			CAL2		/ /	1346	1.2	—			DE18006
5			CAL3		/ /	1422	003	—			DF18002
6			CAL4		/ /	1457	005	—			DE18009
7			CAL5		/ /	1533	010	—			DE18010
8			SRC 100630		/ /	1609	SSTD 003 VAL	—			DE26005 8-26-10
9			0060203-BLK1A70		/ /	1748	SBLKE1	1005134			
10			-BS1		/ /	1828	SE1LCS				
11			1005134-1BR		/ /	1904	SB11-5-6				
12			0060203-1MS1		/ /	1939	MS				
13			MSD1		/ /	2015	MSD				
14			1005134-06R		/ /	2050	SS33-0-1				
15			07R		/ /	2126	SB33-4-5				
16			08R		/ /	2201	SB31-5-6				
17			09R		/ /	2237	SS31-0-1				
18			10R		/ /	2312	SS32-0-1				
19					/ /						
20					/ /						
21					/ /						
22					/ /						
23					/ /						
24					/ /						B 6-30-10

DFTPP Lot #/Exp. Date: N/A
Calibration STD Lot#/Exp. Date: See Comments
Internal STD Lot#/Exp. Date: 640 DF18001 11-18-10
Methylene Chloride Lot#/Exp. Date: JT7500 6-8-15
Column Type: RTX-5MS 0.32mm

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

REVIEWED BY: B DATE 6-30-10

b. Continuing Calibration Data (Form VII SV)

If more than one instrument is used, forms shall be arranged in order by instrument. If multiple continuing calibrations from the same instrument are used, they shall be in chronological order.

(1) Chromatograms and quantitation reports for all continuing (12-hour) calibrations.
Spectra not required.

(2) EICPs displaying each manual integration.

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: 5972HP66 Calibration Date: 05/25/10 Time: 1842

Lab File ID: 0E25012-CCV1A6 Init. Calib. Date(s): 05/25/10 05/25/10

Init. Calib. Times: 0601 0816

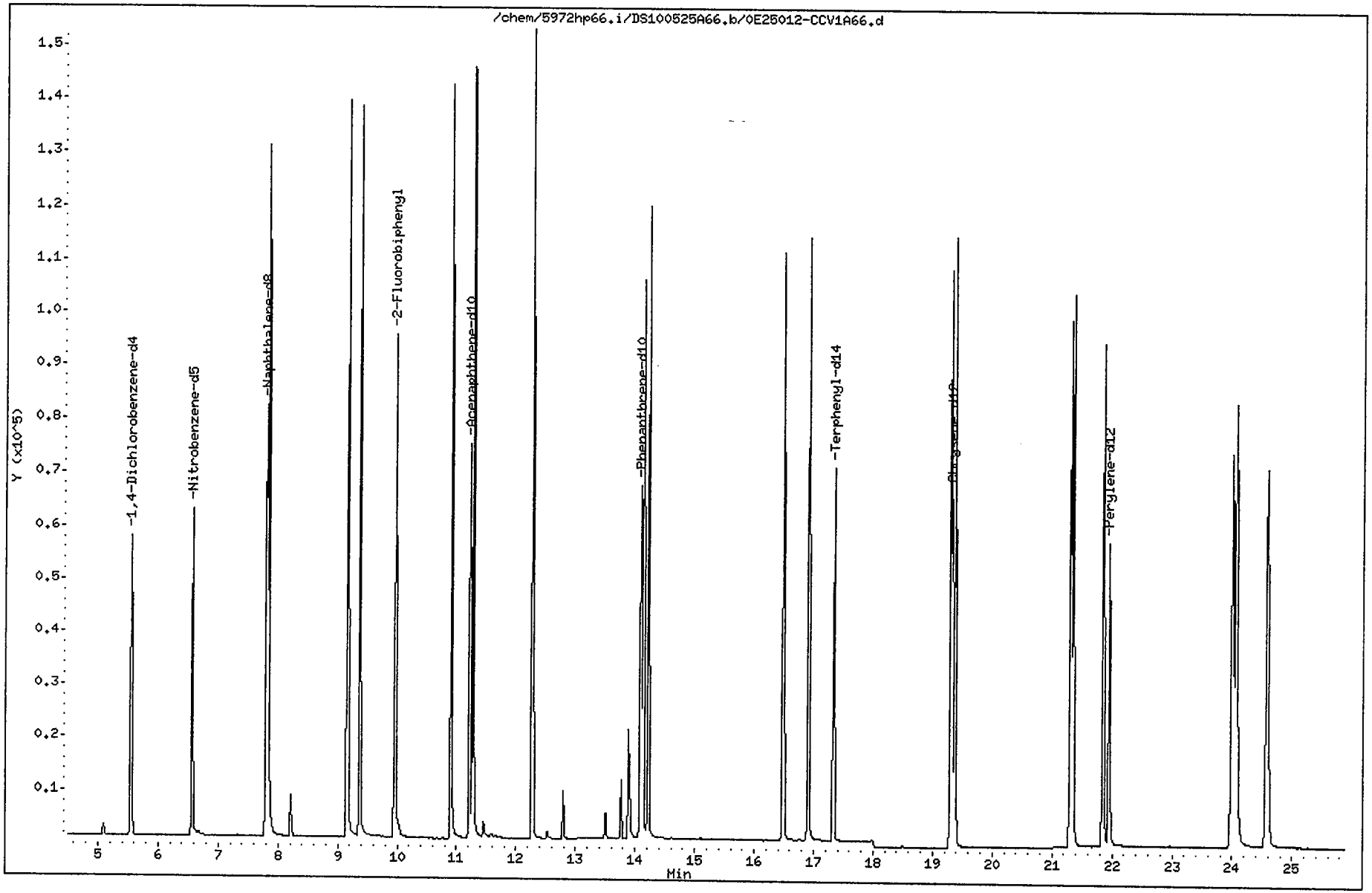
GC Column: RTX-5MS ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF3.0000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Naphthalene	1.2370000	1.1463900	0.01	-7.32	50.00	AVRG
2-Methylnaphthalene	1.4320000	1.2680212	0.01	-11.45	50.00	AVRG
Acenaphthylene	2.2340000	2.0224530	0.01	-9.47	50.00	AVRG
Acenaphthene	1.3090000	1.2063859	0.01	-7.84	20.00	AVRG
Fluorene	0.9360000	0.7949120	0.01	-15.07	50.00	AVRG
Phenanthrene	1.2470000	1.1386028	0.01	-8.69	50.00	AVRG
Anthracene	1.1220000	1.0338048	0.01	-7.86	50.00	AVRG
Fluoranthene	1.3260000	1.1479582	0.01	-13.43	20.00	AVRG
Pyrene	1.4440000	1.2732041	0.01	-11.83	50.00	AVRG
Benzo(a)anthracene	1.0870000	1.0166479	0.01	-6.47	50.00	AVRG
Chrysene	1.1770000	1.1051091	0.01	-6.11	50.00	AVRG
Benzo(b)fluoranthene	1.3190000	1.1462629	0.01	-13.10	50.00	AVRG
Benzo(k)fluoranthene	1.4190000	1.3341629	0.01	-5.98	50.00	AVRG
Benzo(a)pyrene	1.1890000	1.0756945	0.01	-9.53	20.00	AVRG
Indeno(1,2,3-cd)pyrene	1.0490000	1.0061216	0.01	-4.09	50.00	AVRG
Dibenzo(a,h)anthracene	1.0370000	0.9752954	0.01	-5.95	50.00	AVRG
Benzo(g,h,i)perylene	1.1620000	1.0873700	0.01	-6.42	50.00	AVRG
Nitrobenzene-d5	0.4450000	0.4106461	0.01	-7.72	50.00	AVRG
2-Fluorobiphenyl	2.0870000	2.0342292	0.01	-2.53	50.00	AVRG
Terphenyl-d14	0.7270000	0.6551856	0.01	-9.88	50.00	AVRG

Data File: /chem/5972hp66.i/DS100525A66.b/0E25012-CCV1A66.d
Date : 25-MAY-2010 18:42
Client ID: SSTD3.00IL
Sample Info: SSTD3.00IL:2730
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i

Operator: 2730
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100525A66.b/0E25012-CCV1A66.d
Report Date: 03-Jun-2010 10:56

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100525A66.b/0E25012-CCV1A66.d
Lab Smp Id: 0E25012-CCV1 Client Smp ID: SSTD3.00IL
Inj Date : 25-MAY-2010 18:42
Operator : 2730 Inst ID: 5972hp66.i
Smp Info : SSTD3.00IL:2730
Misc Info : SSTD3.00IL
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100525A66.b/SIM_8270Cv2DOD.m
Meth Date : 03-Jun-2010 10:56 henning Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	5.548	5.548	(1.000)	32289	2.00000	
* 2 Naphthalene-d8	136	7.803	7.803	(1.000)	112116	2.00000	
* 3 Acenaphthene-d10	164	11.218	11.218	(1.000)	52762	2.00000	
* 4 Phenanthrene-d10	188	14.086	14.086	(1.000)	93685	2.00000	
* 5 Chrysene-d12	240	19.327	19.327	(1.000)	85416	2.00000	
* 6 Perylene-d12	264	21.951	21.951	(1.000)	76342	2.00000	
$ 9 Nitrobenzene-d5	82	6.565	6.565	(0.841)	69060	3.00000	2.8
$ 10 2-Fluorobiphenyl	172	9.967	9.967	(0.888)	160995	3.00000	2.9
$ 12 Terphenyl-d14	244	17.333	17.333	(0.897)	83945	3.00000	2.7
13 Naphthalene	128	7.829	7.829	(1.003)	192793	3.00000	2.8
15 2-Methylnaphthalene	141	9.159	9.159	(0.816)	100355	3.00000	2.7
17 Acenaphthylene	152	10.905	10.905	(0.972)	160063	3.00000	2.7
18 Acenaphthene	154	11.283	11.283	(1.006)	95477	3.00000	2.8
21 Fluorene	166	12.273	12.273	(0.871)	111707	3.00000	2.5
25 Phenanthrene	178	14.139	14.139	(1.004)	160005	3.00000	2.7

6/3/10 MK

Data File: /chem/5972hp66.i/DS100525A66.b/0E25012-CCV1A66.d
Report Date: 03-Jun-2010 10:56

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	14.217	14.217	(1.009)	145278	3.00000	2.8
27 Fluoranthene	202	16.485	16.485	(0.853)	147081	3.00000	2.6
28 Pyrene	202	16.916	16.916	(0.875)	163128	3.00000	2.6
29 Benzo(a)anthracene	228	19.292	19.292	(0.998)	130257	3.00000	2.8
30 Chrysene	228	19.370	19.370	(1.002)	141591	3.00000	2.8
31 Benzo(b)fluoranthene	252	21.298	21.298	(0.970)	131262	3.00000	2.6
32 Benzo(k)fluoranthene	252	21.341	21.341	(0.972)	152779	3.00000	2.8
33 Benzo(a)pyrene	252	21.842	21.842	(0.995)	123181	3.00000	2.7
34 Indeno(1,2,3-cd)pyrene	276	23.997	23.997	(1.093)	115214	3.00000	2.9
35 Dibenzo(a,h)anthracene	278	24.062	24.062	(1.096)	111684	3.00000	2.8
36 Benzo(g,h,i)perylene	276	24.585	24.585	(1.120)	124518	3.00000	2.8

COMPUCHEM a Division of Liberty Analytical Corp
GC/MS SEMIVOLATILE RUN LOG
LOGBOOK 4X(4) 21 (5972hp66)

DATE 5/25/10 INITIAL TIME OF TUNE 1839 SHIFT/S (A) X (B)____ (C)____
TIME TUNE EXPIRES 0639
METHOD: 625 8270C 8270D OLC03.2 OLM04.3 SOM01.2 (Circle One) or Other: PAH SIM SIM: (Y)N)
PREVENTIVE MAINTENANCE None

	SEQUENCE#	REJECTED	FILENAME	REJECTED	DATE	TIME	CLIENT ID	SDG#	AMOUNT INJECTED	CHEMIST	COMMENTS
1	0E25012		NA		5/25/10	1839	FC-43	—	NA	2730	SCO = CCO
2	DS100525A66		0E25012-CCV1A66		/ /	1842	SSTD 3.00 1L	—	2µL		
3		/	1005158-035A66	1H	/ /	1918	AOC8-MW-36	1005158	~~2µL~~ 5µL		JS
4			045A66		/ /	1952	ERO51910		2µL		
5			055A66		/ /	2026	AOC8-MW-37		2µL		
6		/	0051920-BLK1A066	1H SL	/ /	2100	SBLKBP	VARIOUS	2µL		
7		/	-BS1A066	1H	/ /	2134	SBPLCS				
8			-BSD1A066		5/26/10	0005	SBPLCSD				
9		/	1005133-01A066	1H	/ /	0039	SS73-0-1	1005133			
10		/	0051920-MS2A066	1H	/ /	0116	SS73-0-1-MS	1005134			
11		/	-MSD2A066	1H	/ /	0219	SS73-0-1-MSD				
12			1005134-01A066		/ /	0253	SS02-0-1				
13			-02A066		/ /	0327	SS02D-0-1				
14		/	-03A066	1H	/ /	0401	SB02-5-6				
15		/	-04A066	1H	/ /	0503	SB02D-5-6				
16		/	-05A066	1H	/ /	0537	SB05-7-8				
17					/ /						
18	—				/ /						
19					/ /		MW 5/26/10				
20					/ /						
21					/ /						
22					/ /						
23					/ /						
24					/ /						

DFTPP Lot #/Exp. Date: NA
Calibration STD Lot#/Exp. Date: FullSim 0E18007 8-18-16
Internal STD Lot#/Exp. Date: 040 0E18001 10-2-10
Methylene Chloride Lot#/Exp. Date: JI0504 4-21-15
Column Type: FTX-5ms 0.32mm

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

REVIEWED BY: TMP DATE 5/26/10
6/01/09:jr

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: 5972HP66 Calibration Date: 05/26/10 Time: 0611

Lab File ID: 0E26002-CCV1C6 Init. Calib. Date(s): 05/25/10 05/25/10

Init. Calib. Times: 0601 0816

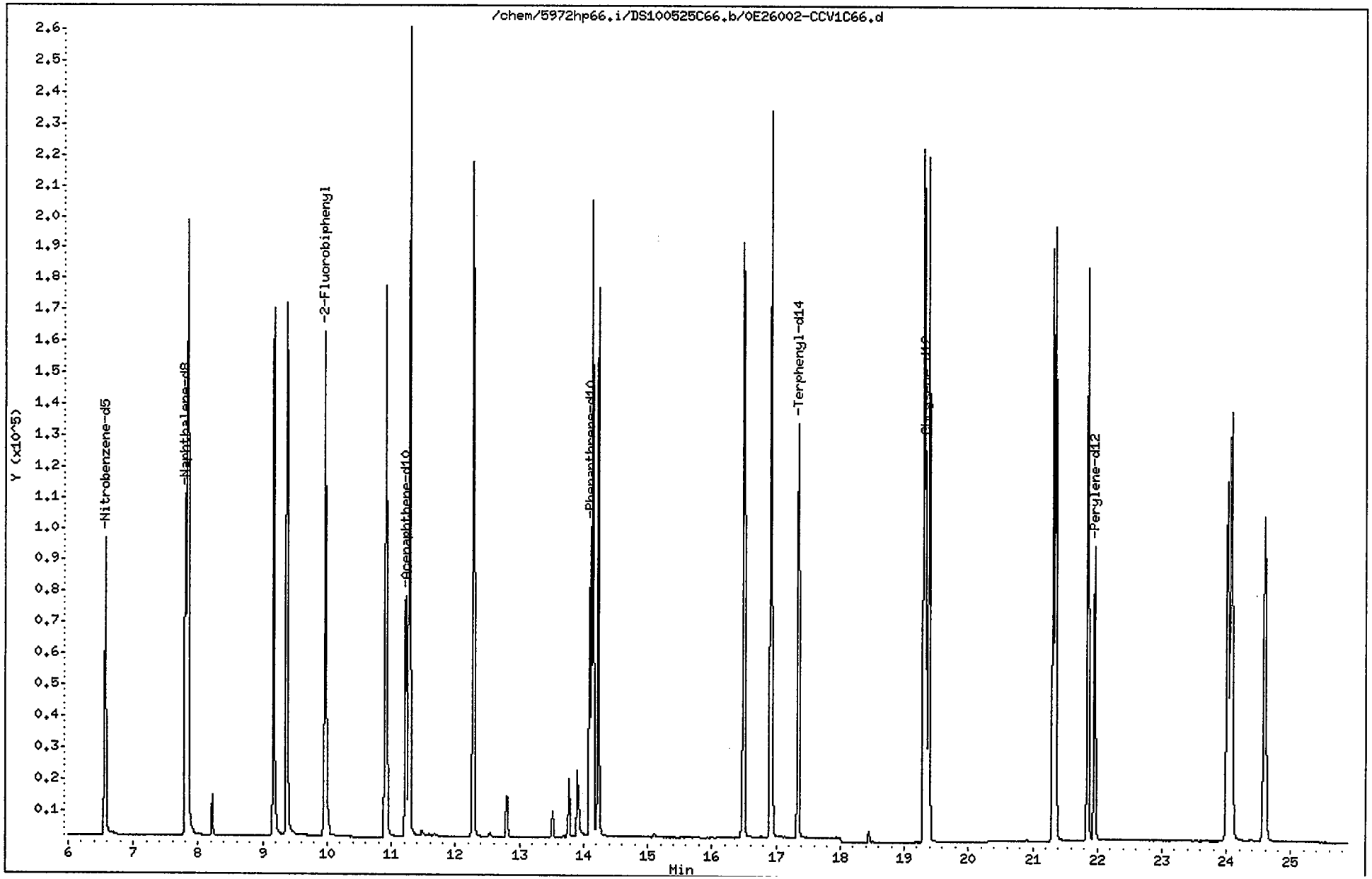
GC Column: RTX-5MS ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF3.0000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Naphthalene	1.2370000	1.2286063	0.01	-0.68	50.00	AVRG
2-Methylnaphthalene	1.4320000	1.4005638	0.01	-2.20	50.00	AVRG
Acenaphthylene	2.2340000	2.4216285	0.01	8.40	50.00	AVRG
Acenaphthene	1.3090000	1.3608634	0.01	3.96	20.00	AVRG
Fluorene	0.9360000	0.8282759	0.01	-11.51	50.00	AVRG
Phenanthrene	1.2470000	1.2440924	0.01	-0.23	50.00	AVRG
Anthracene	1.1220000	1.1797192	0.01	5.14	50.00	AVRG
Fluoranthene	1.3260000	1.1893801	0.01	-10.30	20.00	AVRG
Pyrene	1.4440000	1.2901560	0.01	-10.65	50.00	AVRG
Benzo(a)anthracene	1.0870000	1.1739355	0.01	8.00	50.00	AVRG
Chrysene	1.1770000	1.1774520	0.01	0.04	50.00	AVRG
Benzo(b)fluoranthene	1.3190000	1.3306844	0.01	0.88	50.00	AVRG
Benzo(k)fluoranthene	1.4190000	1.4426426	0.01	1.67	50.00	AVRG
Benzo(a)pyrene	1.1890000	1.2297853	0.01	3.43	20.00	AVRG
Indeno(1,2,3-cd)pyrene	1.0490000	0.9538910	0.01	-9.07	50.00	AVRG
Dibenzo(a,h)anthracene	1.0370000	0.9103267	0.01	-12.22	50.00	AVRG
Benzo(g,h,i)perylene	1.1620000	0.9309432	0.01	-19.88	50.00	AVRG
Nitrobenzene-d5	0.4450000	0.4903300	0.01	10.19	50.00	AVRG
2-Fluorobiphenyl	2.0870000	2.2582440	0.01	8.20	50.00	AVRG
Terphenyl-d14	0.7270000	0.6907753	0.01	-4.98	50.00	AVRG

FORM VII SV

Data File: /chem/5972hp66.i/DS100525C66.b/0E26002-CCV1C66.d
Date : 26-MAY-2010 06:11
Client ID: SSTD3.00IM
Sample Info: SSTD3.00IM:2743
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: 2743
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100525C66.b/0E26002-CCV1C66.d
Report Date: 26-May-2010 06:50

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100525C66.b/0E26002-CCV1C66.d
Lab Smp Id: 0E26002-CCV1 Client Smp ID: SSTD3.00IM
Inj Date : 26-MAY-2010 06:11
Operator : 2743 Inst ID: 5972hp66.i
Smp Info : SSTD3.00IM:2743
Misc Info : SSTD3.00IM
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100525C66.b/SIM_8270Cv2DOD.m
Meth Date : 26-May-2010 06:49 mweichel Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	5.560	5.560	(1.000)	41032	2.00000	
*	2 Naphthalene-d8	136	7.802	7.802	(1.000)	146916	2.00000	
*	3 Acenaphthene-d10	164	11.231	11.231	(1.000)	68609	2.00000	
*	4 Phenanthrene-d10	188	14.101	14.101	(1.000)	134040	2.00000	
*	5 Chrysene-d12	240	19.336	19.336	(1.000)	157952	2.00000	
*	6 Perylene-d12	264	21.961	21.961	(1.000)	126573	2.00000	
$	9 Nitrobenzene-d5	82	6.563	6.563	(0.841)	108056	3.00000	3.3
$	10 2-Fluorobiphenyl	172	9.966	9.966	(0.887)	232405	3.00000	3.2
$	12 Terphenyl-d14	244	17.347	17.347	(0.897)	163664	3.00000	2.9
	13 Naphthalene	128	7.841	7.841	(1.005)	270754	3.00000	3.0
	15 2-Methylnaphthalene	141	9.170	9.170	(0.817)	144138	3.00000	2.9
	17 Acenaphthylene	152	10.918	10.918	(0.972)	249220	3.00000	3.3
	18 Acenaphthene	154	11.283	11.283	(1.005)	140052	3.00000	3.1
	21 Fluorene	166	12.273	12.273	(0.870)	166534	3.00000	2.7
	25 Phenanthrene	178	14.140	14.140	(1.003)	250138	3.00000	3.0

MW 5/26/10

Data File: /chem/5972hp66.i/DS100525C66.b/0E26002-CCV1C66.d
Report Date: 26-May-2010 06:50

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	14.231	14.231	(1.009)	237195	3.00000	3.2
27 Fluoranthene	202	16.500	16.500	(0.853)	281799	3.00000	2.7
28 Pyrene	202	16.917	16.917	(0.875)	305675	3.00000	2.7
29 Benzo(a)anthracene	228	19.301	19.301	(0.998)	278139	3.00000	3.2
30 Chrysene	228	19.379	19.379	(1.002)	278972	3.00000	3.0
31 Benzo(b)fluoranthene	252	21.308	21.308	(0.970)	252643	3.00000	3.0
32 Benzo(k)fluoranthene	252	21.352	21.352	(0.972)	273899	3.00000	3.0
33 Benzo(a)pyrene	252	21.853	21.853	(0.995)	233486	3.00000	3.1
34 Indeno(1,2,3-cd)pyrene	276	24.008	24.008	(1.093)	181105	3.00000	2.7
35 Dibenzo(a,h)anthracene	278	24.073	24.073	(1.096)	172834	3.00000	2.6
36 Benzo(g,h,i)perylene	276	24.595	24.595	(1.120)	176748	3.00000	2.4

MV 5/26/10

COMPUCHEM a Division of Liberty Analytical Corp
GC/MS SEMIVOLATILE RUN LOG
LOGBOOK 4X(4) 21 (5972hp66)

DATE 5/26/10 INITIAL TIME OF TUNE 0609 SHIFT/S (A) ____ (B) ____ (C) ✓
TIME TUNE EXPIRES 1809
METHOD: 625 8270C 8270D OLC03.2 OLM04.3 SOM01.2 (Circle One) or Other: PAH SIM: (Y/N)
PREVENTIVE MAINTENANCE none

	SEQUENCE#	MATRIX	FILENAME	MATRIX	DATE	TIME	CLIENT ID	SDG#	AMOUNT INJECTED	CHEMIST	COMMENTS
1	0E260002		N/A	/	5/26/10	0609	FC43	—	N/A	2743	SCD=LCD
2	S100525C		0E260002-CCV1606	/	/ /	0611	SSTD3.00IM	—	2µL		
3			0051920-BLK1JC606	/	/ /	0647	SBLKBP	VARIOUS			
4			BS1JC606	/	/ /	0721	SBPLCS	VARIOUS			
5		/	MS2JC606	SF	/ /	0755	SS73-0-1MS	1005133			surr OK
6		/	MSD2JC606	SF	/ /	0829	SS73-0-1MSD	↓			surr OK
7			1005133-01JC606	/	/ /	0903	SS73-0-1	1005131			
8			1005131-04J2C606	/	/ /	0937	BBG-FB051810	1005134			
9			1005134-03JC606	/	/ /	1011	SB02-5-6	↓			
10			1005134-04JC606	/	/ /	1045	SB02D-5-6				
11			1005134-05JC606	/	/ /	1119	SB05-7-8				
12		/	1005132-01C606	1H	/ /	1153	SB85-1.5-2.5	1005132			prepped wrong
13		/	0051920-MS1C606	SPK SH	/ /	1227	SB85-1.5-2.5MS	↓			
14		/	-MSD1C606	1H	/ /	1301	SB85-1.5-2.5MSD				
15			-MS1JC606	/	/ /	1335	SB85-1.5-2.5MS				
16			1005132-02C606	/	/ /	1409	SB78-3.5-4.5				
17			03C606	1H	/ /	1443	SS77-0-1				
18			04C606	1H	/ /	1517	SB77-3.5-4.5				
19			05C66	/	/ /	1551	SS79-0-1				
20		/	06C66	1H	/ /	1625	SB79-11-12				
21		/	07C66	1H	/ /	1659	SS83-0-1	↓	↓	↓	
22					/ /						
23					/ /						
24					/ /						

DFTPP Lot #/Exp. Date: N/A
Calibration STD Lot#/Exp. Date: FULL SIM 0E18007 8/18/10
Internal STD Lot#/Exp. Date: 040 0E18001 10/2/10
Methylene Chloride Lot#/Exp. Date: J10504 4/21/15
Column Type: RTX-5MS 0.32mm

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

REVIEWED BY: DM DATE 5/28/10

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: 5972HP66 Calibration Date: 06/02/10 Time: 0027

Lab File ID: 0F02003-CCV1C6 Init. Calib. Date(s): 05/25/10 05/25/10

Init. Calib. Times: 0601 0816

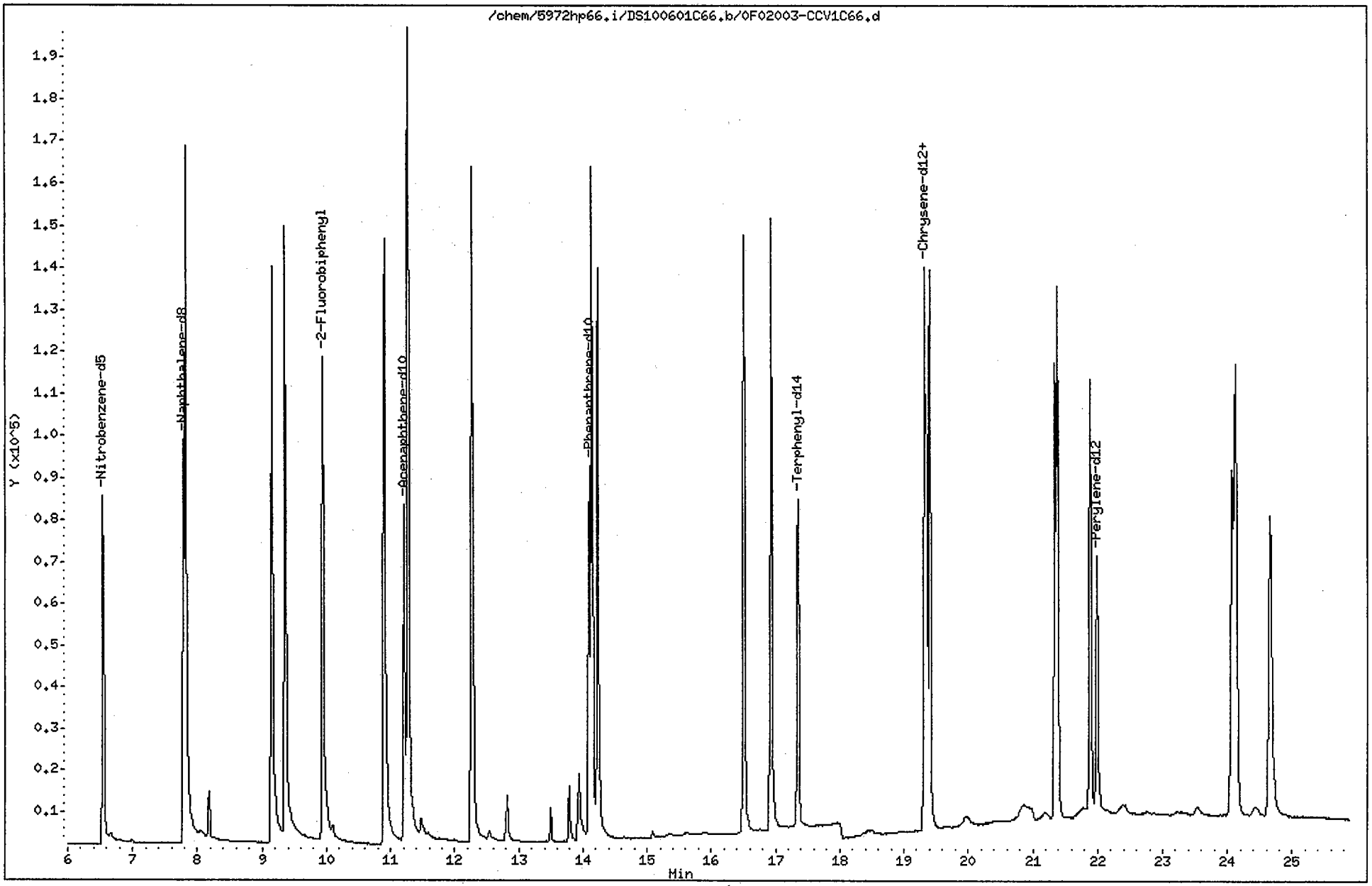
GC Column: RTX-5MS ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF3.0000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Naphthalene	1.2370000	1.1600896	0.01	-6.22	50.00	AVRG
2-Methylnaphthalene	1.4320000	1.0939729	0.01	-23.60	50.00	AVRG
Acenaphthylene	2.2340000	2.0749801	0.01	-7.12	50.00	AVRG
Acenaphthene	1.3090000	1.1167970	0.01	-14.68	20.00	AVRG
Fluorene	0.9360000	0.7869166	0.01	-15.93	50.00	AVRG
Phenanthrene	1.2470000	1.0035419	0.01	-19.52	50.00	AVRG
Anthracene	1.1220000	1.0888879	0.01	-2.95	50.00	AVRG
Fluoranthene	1.3260000	1.1144421	0.01	-15.95	20.00	AVRG
Pyrene	1.4440000	1.1781727	0.01	-18.41	50.00	AVRG
Benzo(a)anthracene	1.0870000	0.9750695	0.01	-10.30	50.00	AVRG
Chrysene	1.1770000	0.9932408	0.01	-15.61	50.00	AVRG
Benzo(b)fluoranthene	1.3190000	1.0187709	0.01	-22.76	50.00	AVRG
Benzo(k)fluoranthene	1.4190000	1.3354262	0.01	-5.89	50.00	AVRG
Benzo(a)pyrene	1.1890000	1.0495888	0.01	-11.72	20.00	AVRG
Indeno(1,2,3-cd)pyrene	1.0490000	0.9211059	0.01	-12.19	50.00	AVRG
Dibenzo(a,h)anthracene	1.0370000	0.9106300	0.01	-12.19	50.00	AVRG
Benzo(g,h,i)perylene	1.1620000	0.9616492	0.01	-17.24	50.00	AVRG
Nitrobenzene-d5	0.4450000	0.4717280	0.01	6.01	50.00	AVRG
2-Fluorobiphenyl	2.0870000	1.3997846	0.01	-32.93	50.00	AVRG
Terphenyl-d14	0.7270000	0.5922805	0.01	-18.53	50.00	AVRG

FORM VII SV

Data File: /chem/5972hp66.i/DS100601C66.b/0F02003-CCV1C66.d
Date : 02-JUN-2010 00:27
Client ID: SSTD3.00IV
Sample Info: SSTD3.00IV:2743
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: 2743
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100601C66.b/0F02003-CCV1C66.d
Report Date: 02-Jun-2010 03:06

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100601C66.b/0F02003-CCV1C66.d
Lab Smp Id: 0F02003-CCV1 Client Smp ID: SSTD3.00IV
Inj Date : 02-JUN-2010 00:27
Operator : 2743 Inst ID: 5972hp66.i
Smp Info : SSTD3.00IV:2743
Misc Info : SSTD3.00IV
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100601C66.b/SIM_8270Cv2DOD.m
Meth Date : 02-Jun-2010 01:39 mweichel Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	5.534	5.534	(1.000)	52288	2.00000	
* 2 Naphthalene-d8	136	7.789	7.789	(1.000)	154045	2.00000	
* 3 Acenaphthene-d10	164	11.205	11.205	(1.000)	85436	2.00000	
* 4 Phenanthrene-d10	188	14.100	14.100	(1.000)	152743	2.00000	
* 5 Chrysene-d12	240	19.354	19.354	(1.000)	134828	2.00000	
* 6 Perylene-d12	264	21.994	21.994	(1.000)	113722	2.00000	
$ 9 Nitrobenzene-d5	82	6.537	6.537	(0.839)	109001	3.00000	3.2
$ 10 2-Fluorobiphenyl	172	9.940	9.940	(0.887)	179388	3.00000	2.0
$ 12 Terphenyl-d14	244	17.346	17.346	(0.896)	119784	3.00000	2.4
13 Naphthalene	128	7.815	7.815	(1.003)	268059	3.00000	2.8
15 2-Methylnaphthalene	141	9.144	9.144	(0.816)	140197	3.00000	2.3
17 Acenaphthylene	152	10.905	10.905	(0.973)	265917	3.00000	2.8
18 Acenaphthene	154	11.270	11.270	(1.006)	143122	3.00000	2.6
21 Fluorene	166	12.274	12.274	(0.870)	180294	3.00000	2.5
25 Phenanthrene	178	14.139	14.139	(1.003)	229926	3.00000	2.4

mw 6/2/10

Data File: /chem/5972hp66.i/DS100601C66.b/0F02003-CCV1C66.d
Report Date: 02-Jun-2010 03:06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	14.230	14.230	(1.009)	249480	3.00000	2.9
27 Fluoranthene	202	16.499	16.499	(0.853)	225387	3.00000	2.5
28 Pyrene	202	16.929	16.929	(0.875)	238276	3.00000	2.4
29 Benzo(a)anthracene	228	19.319	19.319	(0.998)	197200	3.00000	2.7
30 Chrysene	228	19.397	19.397	(1.002)	200875	3.00000	2.5
31 Benzo(b)fluoranthene	252	21.330	21.330	(0.970)	173785	3.00000	2.3
32 Benzo(k)fluoranthene	252	21.374	21.374	(0.972)	227801	3.00000	2.8
33 Benzo(a)pyrene	252	21.885	21.885	(0.995)	179042	3.00000	2.6
34 Indeno(1,2,3-cd)pyrene	276	24.073	24.073	(1.095)	157125	3.00000	2.6(M)
35 Dibenzo(a,h)anthracene	278	24.127	24.127	(1.097)	155338	3.00000	2.6
36 Benzo(g,h,i)perylene	276	24.661	24.661	(1.121)	164041	3.00000	2.5

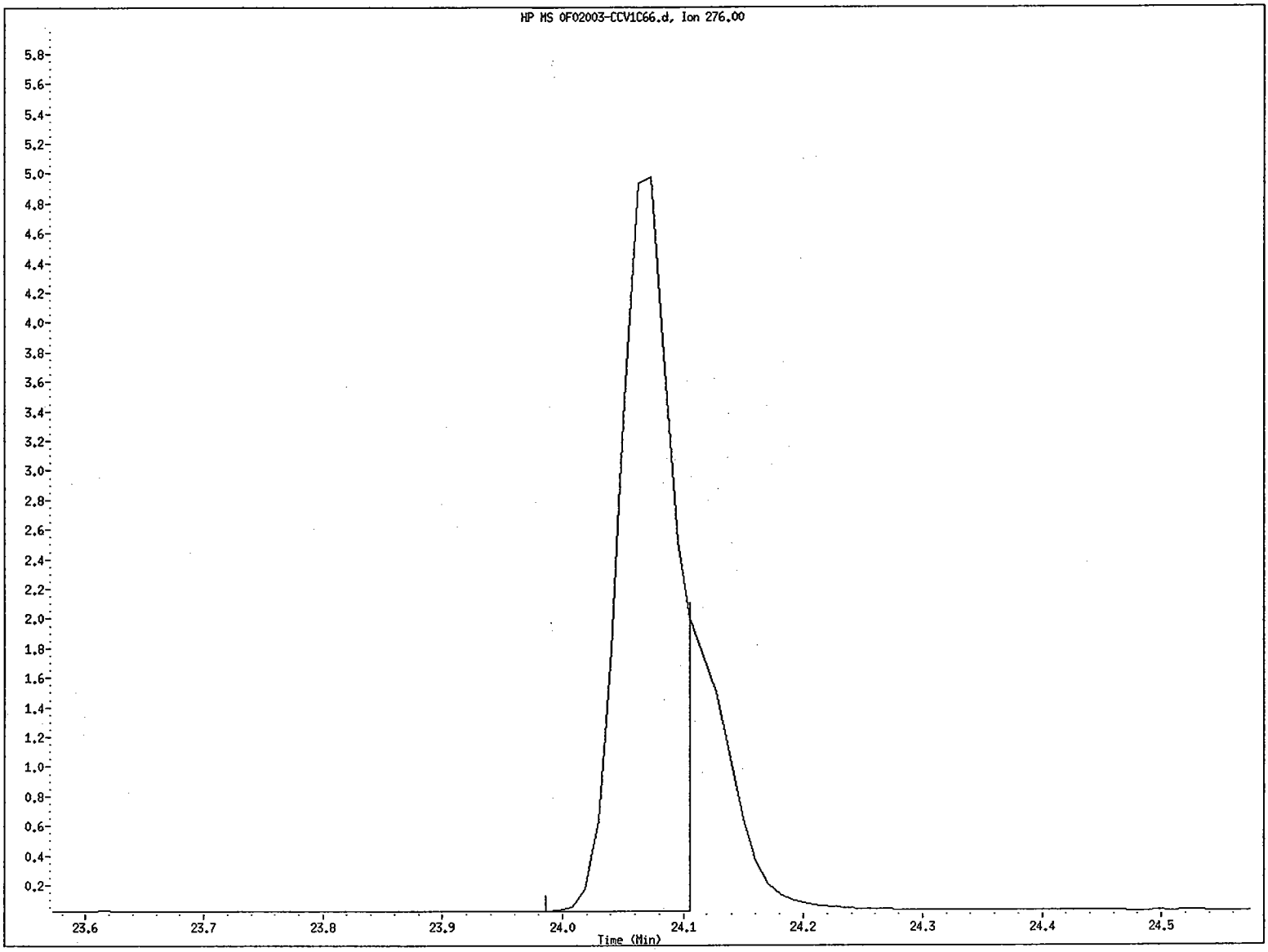
2 MW 6/2/10

pw 6/7/10

QC Flag Legend

M - Compound response manually integrated.

Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 157125 Manually integrated



File name: /chem/5972hp66.i/DS100601C66.b/0F02003-CCV1C66.d
Client ID: SSTD3.00IV
Instrument ID: 5972hp66.i
Injection Date and Time: 02-JUN-2010 00:27
Retention Time: 24.07
Operator ID: 2743

COMPUCHEM a Division of Liberty Analytical Corp
GC/MS SEMIVOLATILE RUN LOG
LOGBOOK 4X(4) 21 (5972hp66)

DATE 6/2/10 INITIAL TIME OF TUNE 0025 SHIFT/S (A) ____ (B) ____ (C) ✓
TIME TUNE EXPIRES 1225
METHOD: 625 8270C 8270D OLC03.2 OLM04.3 SOM01.2 (Circle One) or Other: PAH SIM: (Y)N)
PREVENTIVE MAINTENANCE none

506

	SEQUENCE#	RESTD	FILENAME	RESTD	DATE	TIME	CLIENT ID	SDG#	AMOUNT INJECTED	CHEMIST	COMMENTS
1	QF02003		N/A	/	6/2/10	0025	FC43	—	N/A	2743	SCD=LCD
2	S1006001C		QF02003-CCV1606	/		0027	SSTD3.00IV	—	ZHL		dws06-02-10
3		/	0052404-BS1JC606	SL		0105	SCDLCS	1005132			Rx Use surr. in-house Limits as per CA.
4		/	-BSD1JC606	SL		0139	SCDLCSD				
5		/	1005132-15JC606	SH		0213	SS81-0-1				Rx Report ISA Run
6		/	-16JC606	SL		0247	SB81-5-6				
7		/	-17JC606	SL		0321	SS71-0-1				
8		/	-18JC606	SL		0355	SS71D-0-1				
9		/	-19JC606	SL		0429	SB71-4-5				
10			-20JC606	/		0503	SB71D-4-5				Rx Use surr in-house Limits as per CA (*)
11		/	0052404-BSD1J2C606	SL		0537	SCDLCSD	1005134			Rx *
12		/	0052518-BLK1JC606	SL		0611	SBLKCO				
13			0052409-BLK1C606	/		0649	SBLKCG (1005133)	~~1005132~~			dws 06-02-10 *
14			BS1C606	SL		0723	SCGLCS				
15			BSD1C606	/		0757	SCGLCSD				
16			BS1JC606	/		0905	SCGLCS				*
17			1005133-02C606	SL		0956	SB74-4-5	1005133			
18			03C606	/		1030	SS75-0-1				*
19			04C606	SL		1104	SB75-3.5-4.5				
20			05C606	/		1138	SS63-0-1				
21							dws 06-02-10				
22											
23											
24											

DFTPP Lot #/Exp. Date: N/A
Calibration STD Lot#/Exp. Date: FULLSIM 0E18007 8/18/10
Internal STD Lot#/Exp. Date: 040 0E18001 10/2/10
Methylene Chloride Lot#/Exp. Date: J10504 4/21/15
Column Type: RTX-5MS 0.32mm

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

REVIEWED BY: JMP DATE 6/2/10

6/01/09:jr

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: 5972HP66 Calibration Date: 06/24/10 Time: 1439

Lab File ID: 0F24005-CCV1A6 Init. Calib. Date(s): 06/20/10 06/20/10

Init. Calib. Times: 0850 1107

GC Column: RTX-5MS ID: 0.32 (mm)

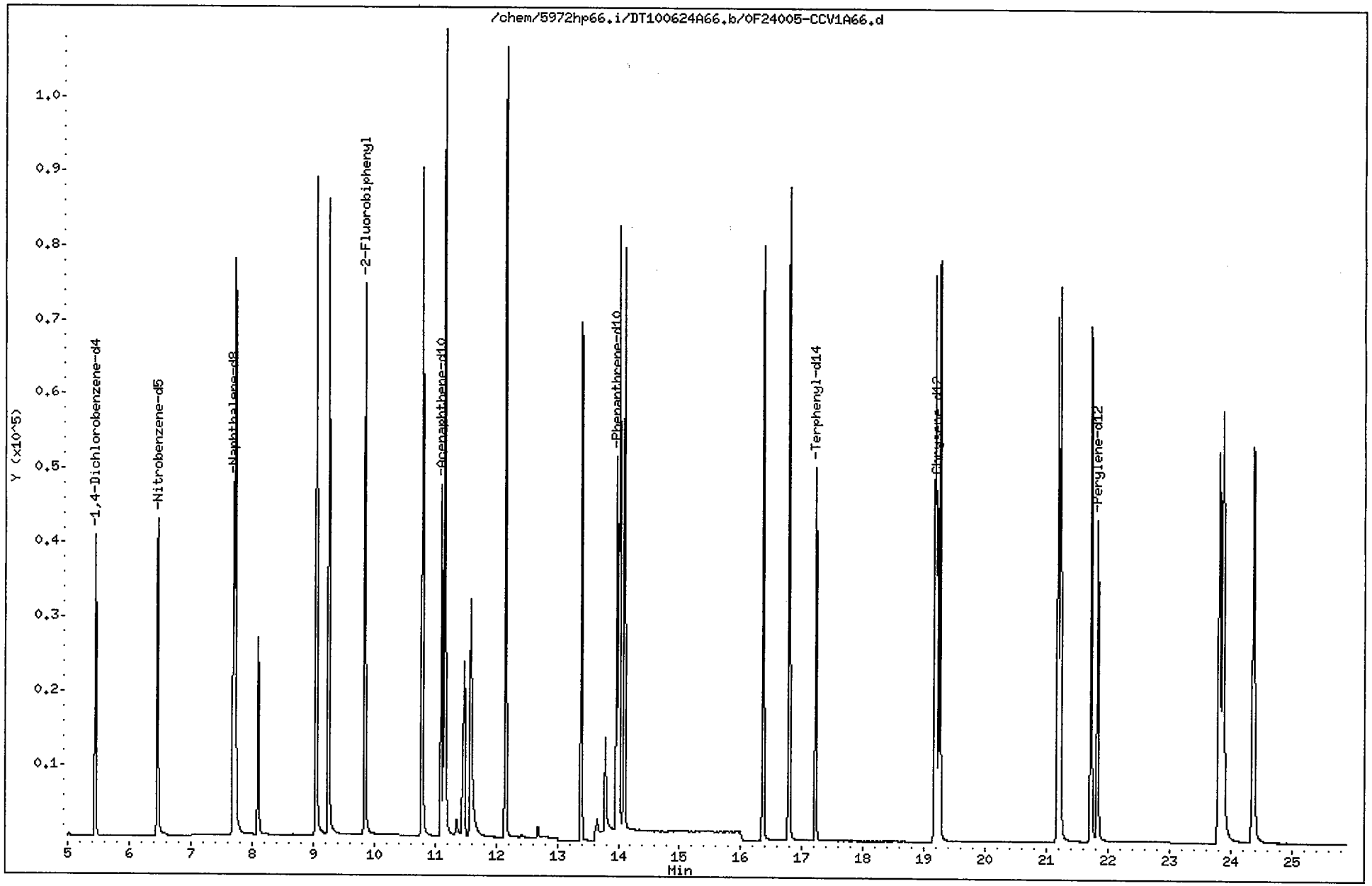
COMPOUND	RRF OR AMOUNT	RRF3.0000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Naphthalene	1.1670000	1.1023452	0.01	-5.54	50.00	AVRG
2-Methylnaphthalene	0.6170000	0.6007508	0.01	-2.63	50.00	AVRG
Acenaphthylene	2.0600000	1.8987199	0.01	-7.83	50.00	AVRG
Acenaphthene	1.0880000	1.1066148	0.01	1.71	20.00	AVRG
Fluorene	1.3940000	1.3539235	0.01	-2.87	50.00	AVRG
Phenanthrene	1.0940000	1.0394370	0.01	-4.99	50.00	AVRG
Anthracene	1.0130000	0.9657501	0.01	-4.66	50.00	AVRG
Fluoranthene	1.0410000	1.0458867	0.01	0.47	20.00	AVRG
Pyrene	1.2150000	1.2639677	0.01	4.03	50.00	AVRG
Benzo(a)anthracene	0.9450000	1.0339118	0.01	9.41	50.00	AVRG
Chrysene	0.9760000	1.0806623	0.01	10.72	50.00	AVRG
Benzo(b)fluoranthene	1.1040000	1.1185829	0.01	1.32	50.00	AVRG
Benzo(k)fluoranthene	1.1980000	1.2746516	0.01	6.40	50.00	AVRG
Benzo(a)pyrene	1.0400000	1.0981073	0.01	5.59	20.00	AVRG
Indeno(1,2,3-cd)pyrene	0.9090000	1.0150590	0.01	11.67	50.00	AVRG
Dibenzo(a,h)anthracene	0.8820000	0.9971697	0.01	13.06	50.00	AVRG
Benzo(g,h,i)perylene	1.0000000	1.1382532	0.01	13.82	50.00	AVRG
Nitrobenzene-d5	0.4900000	0.4533648	0.01	-7.48	50.00	AVRG
2-Fluorobiphenyl	1.5840000	1.4764379	0.01	-6.79	50.00	AVRG
Terphenyl-d14	0.6220000	0.6738952	0.01	8.34	50.00	AVRG

FORM VII SV

Data File: /chem/5972hp66.i/DT100624A66.b/0F24005-CCV1A66.d
Date : 24-JUN-2010 14:39
Client ID: SSTD003GB
Sample Info: SSTD003GB:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i

Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp66.i/DT100624A66.b/0F24005-CCV1A66.d
Report Date: 24-Jun-2010 16:18

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DT100624A66.b/0F24005-CCV1A66.d
Lab Smp Id: 0F24005-CCV1 Client Smp ID: SSTD003GB
Inj Date : 24-JUN-2010 14:39
Operator : MEW Inst ID: 5972hp66.i
Smp Info : SSTD003GB:MEW
Misc Info : SSTD003GB
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DT100624A66.b/SIM_8270Cv3DOD.m
Meth Date : 24-Jun-2010 16:18 mweichel Quant Type: ISTD
Cal Date : 20-JUN-2010 11:07 Cal File: 0F20001-CAL5A66.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH+EXTRAICAL.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	5.451	5.451	(1.000)	22670	2.00000	
*	2 Naphthalene-d8	136	7.694	7.694	(1.000)	71920	2.00000	
*	3 Acenaphthene-d10	164	11.104	11.104	(1.000)	38303	2.00000	
*	4 Phenanthrene-d10	188	13.968	13.968	(1.000)	68117	2.00000	
*	5 Chrysene-d12	240	19.204	19.204	(1.000)	60962	2.00000	
*	6 Perylene-d12	264	21.824	21.824	(1.000)	58769	2.00000	
$	7 2-Fluorophenol	112	Compound Not Detected.					
$	8 Phenol-d5	99	Compound Not Detected.					
$	9 Nitrobenzene-d5	82	6.461	6.461	(0.840)	48909	3.00000	2.8
$	10 2-Fluorobiphenyl	172	9.846	9.846	(0.887)	84828	3.00000	2.8
$	11 2,4,6-Tribromophenol	330	Compound Not Detected.					
$	12 Terphenyl-d14	244	17.217	17.217	(0.897)	61623	3.00000	3.3
	13 Naphthalene	128	7.718	7.718	(1.003)	118921	3.00000	2.8
	14 Hexachlorobutadiene	225	8.099	8.099	(1.053)	24176	3.00000	3.1
	15 2-Methylnaphthalene	141	9.048	9.048	(1.176)	64809	3.00000	2.9

MY 6/24/10

Data File: /chem/5972hp66.i/DT100624A66.b/0F24005-CCV1A66.d
Report Date: 24-Jun-2010 16:18

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
16 1-Methylnaphthalene	142	9.251	9.251	(1.202)	72331	3.00000	2.9
17 Acenaphthylene	152	10.792	10.792	(0.972)	109090	3.00000	2.8
18 Acenaphthene	154	11.162	11.162	(1.005)	63580	3.00000	3.1
20 4-Nitrophenol	139	11.586	11.586	(1.043)	49115	8.00000	7.4
21 Fluorene	166	12.154	12.154	(1.095)	77789	3.00000	2.9
23 Hexachlorobenzene	284	13.397	13.397	(0.959)	82318	8.00000	9.0
24 Pentachlorophenol	266	13.783	13.783	(0.987)	18056	8.00000	3.8
25 Phenanthrene	178	14.014	14.014	(1.003)	106205	3.00000	2.9
26 Anthracene	178	14.095	14.095	(1.009)	98676	3.00000	2.9
27 Fluoranthene	202	16.366	16.366	(1.172)	106864	3.00000	3.0
28 Pyrene	202	16.789	16.789	(0.874)	115581	3.00000	3.1
29 Benzo(a)anthracene	228	19.173	19.173	(0.998)	94544	3.00000	3.3
30 Chrysene	228	19.253	19.253	(1.003)	98819	3.00000	3.3
31 Benzo(b)fluoranthene	252	21.176	21.176	(0.970)	98607	3.00000	3.0
32 Benzo(k)fluoranthene	252	21.220	21.220	(0.972)	112365	3.00000	3.2
33 Benzo(a)pyrene	252	21.718	21.718	(0.995)	96802	3.00000	3.2
34 Indeno(1,2,3-cd)pyrene	276	23.804	23.804	(1.091)	89481	3.00000	3.3
35 Dibenzo(a,h)anthracene	278	23.866	23.866	(1.094)	87904	3.00000	3.4
36 Benzo(g,h,i)perylene	276	24.365	24.365	(1.116)	100341	3.00000	3.4

MW 6/24/10

CCAMS SEMIVOLATILE RUN LOG
LOGBOOK 4X(4) 21 (5972hp66)

DATE 6/24/10 INITIAL TIME OF TUNE 1351 SHIFT/S (A) ____ (B) ____ (C) ____
TIME TUNE EXPIRES 0151
METHOD: 625 8270C 8270D OLC03.2 OLM04.3 SOM01.2 (Circle One) or Other: PAH SIM (Y N)
PREVENTIVE MAINTENANCE front, liner, septum

	SEQUENCE#	REFORMATTED	FILENAME	REFORMATTED	DATE	TIME	CLIENT ID	SDG#	AMOUNT INJECTED	CHEMIST	COMMENTS
1	OF24005	MW 6/24/10	~~OF24005 T#~~ N/A	/	6/24/10	1351	FC43	—	N/A	MEW	SCD=LCD
2	T1006024A		OF24005-TUNIA606	/	/ / MW 6/24/10	1357	DFTPPGB	—	2µL		
3			↓ -CCV1A606	/	/ /	1439	SSTD003GB	—			
4			1005130-15RJA606	/	/ /	1514	SB18-12-13	1005130			
5		/	-16RJA606	IL	/ /	1548	SS25-0-1				
6			-19RJA606	/	/ /	1623	SB08-6-7				
7		/	-16RJ2A606	IL	/ /	1657	SS25-0-1				JS
8			-20RJA606	/	/ /	1731	SS05-0-1				
9			↓ -07RJA606	/	/ /	1806	SS50-0-1				
10		/	00600163-MS1JA606	SH	/ /	1840	SS50-0-1MS				
11		/	↓ -MSD1JA606	SH	/ /	1915	SS50-0-1MSD	↓			
12		/	1005133-02JA606	IH	/ /	1949	SB74-4-5	1005133			
13			-04JA606	/	/ /	2024	SB75-3.5-4.5				
14			-06A66	/	/ /	2058	SB63-5.5-6.5				
15		/	-07A66	SH	/ /	2132	SS61-0-1				no hits
16		/	-08A66	SH	/ /	2207	SS61D-0-1				↓
17		/	-09A66	SH MW 6/25/10	/ /	2241	SB61-6-7				↓
18		/	-10A66	IL SH	/ /	2315	SB61D-6-7				
19		/	-11A66	SH SH 6/25/10	↓ /	2349	SS67-0-1				
20			-12A66	/	6/25/10	0023	SS72-0-1				
21		/	-13A66	SH	6/25/10	0058	SB72-2-3				
22		/	↓ -14A66	SH	↓ /	0132	SS88-0-1	↓	↓	↓	
~~23~~					/ /						
24					/ /						B6-25-10

DFTPP Lot #/Exp. Date: N/A
Calibration STD Lot#/Exp. Date: OF18002 8/18/10
Internal STD Lot#/Exp. Date: OF18001 11/18/10
Methylene Chloride Lot#/Exp. Date: J17500 6/8/15
Column Type: RTX-5MS 0.32mm

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

REVIEWED BY: BVS DATE 6-24-10

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: 5972HP66 Calibration Date: 06/30/10 Time: 1333

Lab File ID: 0F30009-CCV2A6 Init. Calib. Date(s): 06/29/10 06/29/10

Init. Calib. Times: 1850 2107

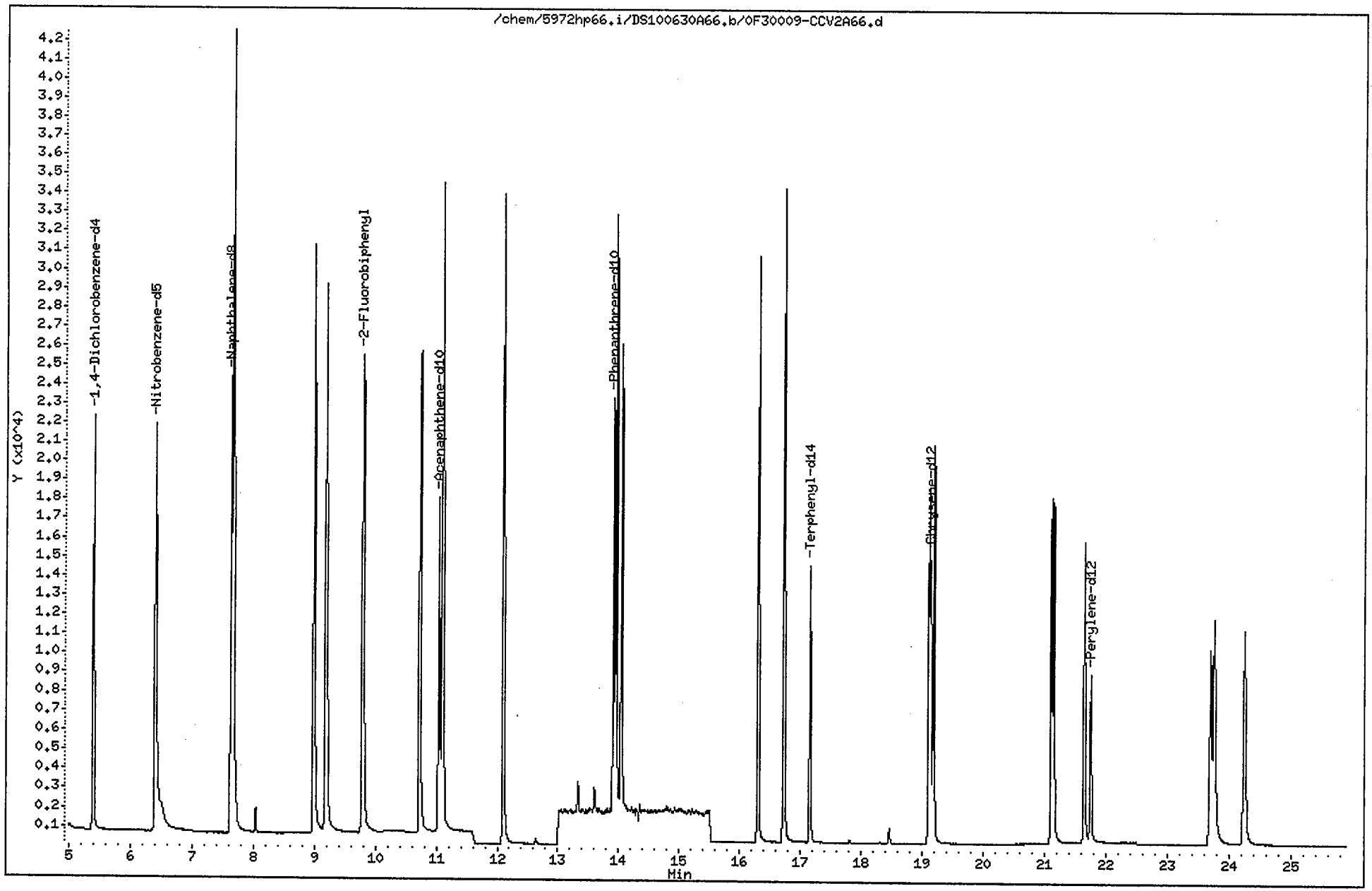
GC Column: RTX-5MS ID: 0.32 (mm)

COMPOUND	RRF or AMOUNT	RRF3.0000 or AMOUNT	CCAL RRF3.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Naphthalene	1.2660000	1.2547650	1.2547650	0.01	-0.89	50.00	AVRG
2-Methylnaphthalene	0.5340000	0.5322510	0.5322510	0.01	-0.33	50.00	AVRG
Acenaphthylene	1.8890000	1.9240388	1.9240388	0.01	1.85	50.00	AVRG
Acenaphthene	1.2400000	1.2501935	1.2501935	0.01	0.82	20.00	AVRG
Fluorene	1.4140000	1.3543998	1.3543998	0.01	-4.22	50.00	AVRG
Phenanthrene	1.1680000	1.1570374	1.1570374	0.01	-0.94	50.00	AVRG
Anthracene	0.9860000	0.9865593	0.9865593	0.01	0.06	50.00	AVRG
Fluoranthene	0.9790000	0.9235474	0.9235474	0.01	-5.66	20.00	AVRG
Pyrene	1.2910000	1.3392537	1.3392537	0.01	3.74	50.00	AVRG
Benzo(a)anthracene	0.9290000	0.9322379	0.9322379	0.01	0.35	50.00	AVRG
Chrysene	1.0860000	1.0560422	1.0560422	0.01	-2.76	50.00	AVRG
Benzo(b)fluoranthene	1.1950000	1.2521804	1.2521804	0.01	4.78	50.00	AVRG
Benzo(k)fluoranthene	1.4010000	1.3998336	1.3998336	0.01	-0.08	50.00	AVRG
Benzo(a)pyrene	1.1470000	1.1432789	1.1432789	0.01	-0.32	20.00	AVRG
Indeno(1,2,3-cd)pyrene	0.9610000	0.9443684	0.9443684	0.01	-1.73	50.00	AVRG
Dibenzo(a,h)anthracene	0.9400000	0.9233824	0.9233824	0.01	-1.77	50.00	AVRG
Benzo(g,h,i)perylene	1.1770000	1.1206290	1.1206290	0.01	-4.79	50.00	AVRG
Nitrobenzene-d5	2.9471704	3.0000000	0.8045840	0.01	-1.76	50.00	LINR
2-Fluorobiphenyl	1.6830000	1.6096840	1.6096840	0.01	-4.36	50.00	AVRG
Terphenyl-d14	0.6040000	0.6269961	0.6269961	0.01	3.81	50.00	AVRG

FORM VII SV

Data File: /chem/5972hp66.i/DS100630A66.b/0F30009-CCV2A66.d
Date : 30-JUN-2010 13:33
Client ID: SSTD003GF
Sample Info: SSTD003GF:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100630A66.b/0F30009-CCV2A66.d
Report Date: 02-Jul-2010 15:28

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100630A66.b/0F30009-CCV2A66.d
Lab Smp Id: 0F30009-CCV2 Client Smp ID: SSTD003GF
Inj Date : 30-JUN-2010 13:33
Operator : OWS Inst ID: 5972hp66.i
Smp Info : SSTD003GF:OWS
Misc Info : SSTD003GF
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100630A66.b/SIM_8270Cv3DOD.m
Meth Date : 02-Jul-2010 15:28 byrd Quant Type: ISTD
Cal Date : 29-JUN-2010 21:07 Cal File: 0F29011-CAL5A66.d
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	5.392	5.392	(1.000)	13040	2.00000	
* 2 Naphthalene-d8	136	7.637	7.637	(1.000)	33508	2.00000	
* 3 Acenaphthene-d10	164	11.042	11.042	(1.000)	14209	2.00000	
* 4 Phenanthrene-d10	188	13.912	13.912	(1.000)	22345	2.00000	
* 5 Chrysene-d12	240	19.137	19.137	(1.000)	16553	2.00000	
* 6 Perylene-d12	264	21.756	21.756	(1.000)	12421	2.00000	
$ 9 Nitrobenzene-d5	82	6.410	6.410	(0.839)	40440	3.00000	2.9(M)
$ 10 2-Fluorobiphenyl	172	9.785	9.785	(0.886)	34308	3.00000	2.9
$ 12 Terphenyl-d14	244	17.157	17.157	(0.897)	15568	3.00000	3.1
13 Naphthalene	128	7.670	7.670	(1.004)	63067	3.00000	3.0
15 2-Methylnaphthalene	141	8.987	8.987	(1.177)	26752	3.00000	3.0
17 Acenaphthylene	152	10.734	10.734	(0.972)	41008	3.00000	3.1
18 Acenaphthene	154	11.103	11.103	(1.006)	26646	3.00000	3.0
21 Fluorene	166	12.098	12.098	(1.096)	28867	3.00000	2.9
25 Phenanthrene	178	13.956	13.956	(1.003)	38781	3.00000	3.0

2 ppb/ml
pm 7/2/10

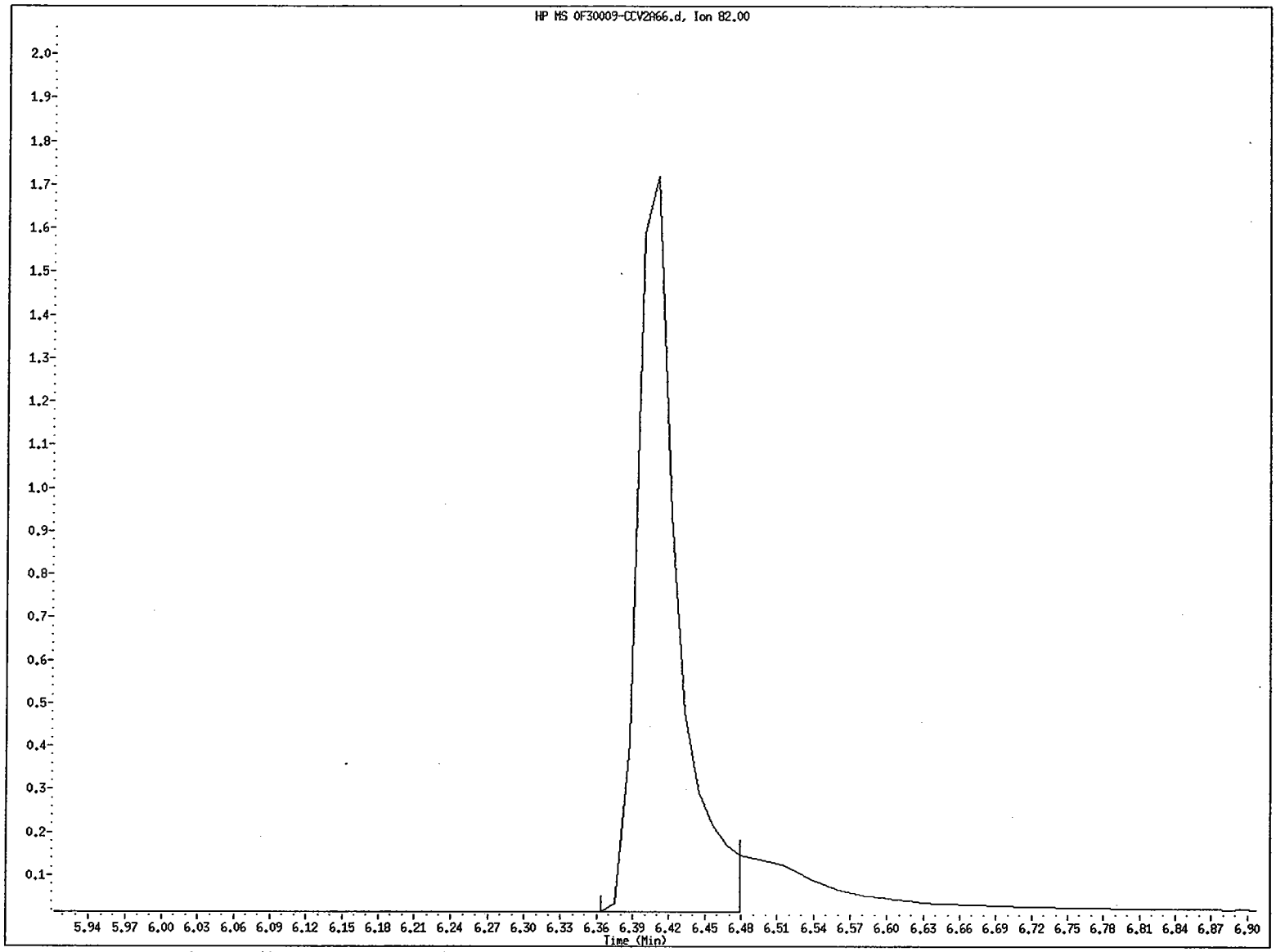
Data File: /chem/5972hp66.i/DS100630A66.b/0F30009-CCV2A66.d
Report Date: 02-Jul-2010 15:28

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	14.044	14.044	(1.010)	33067	3.00000	3.0
27 Fluoranthene	202	16.300	16.300	(1.172)	30955	3.00000	2.8
28 Pyrene	202	16.724	16.724	(0.874)	33253	3.00000	3.1
29 Benzo(a)anthracene	228	19.106	19.106	(0.998)	23147	3.00000	3.0
30 Chrysene	228	19.185	19.185	(1.003)	26221	3.00000	2.9
31 Benzo(b)fluoranthene	252	21.107	21.107	(0.970)	23330	3.00000	3.1
32 Benzo(k)fluoranthene	252	21.147	21.147	(0.972)	26081	3.00000	3.0
33 Benzo(a)pyrene	252	21.650	21.650	(0.995)	21301	3.00000	3.0
34 Indeno(1,2,3-cd)pyrene	276	23.701	23.701	(1.089)	17595	3.00000	2.9
35 Dibenzo(a,h)anthracene	278	23.763	23.763	(1.092)	17204	3.00000	2.9
36 Benzo(g,h,i)perylene	276	24.253	24.253	(1.115)	20879	3.00000	2.9

QC Flag Legend

M - Compound response manually integrated.

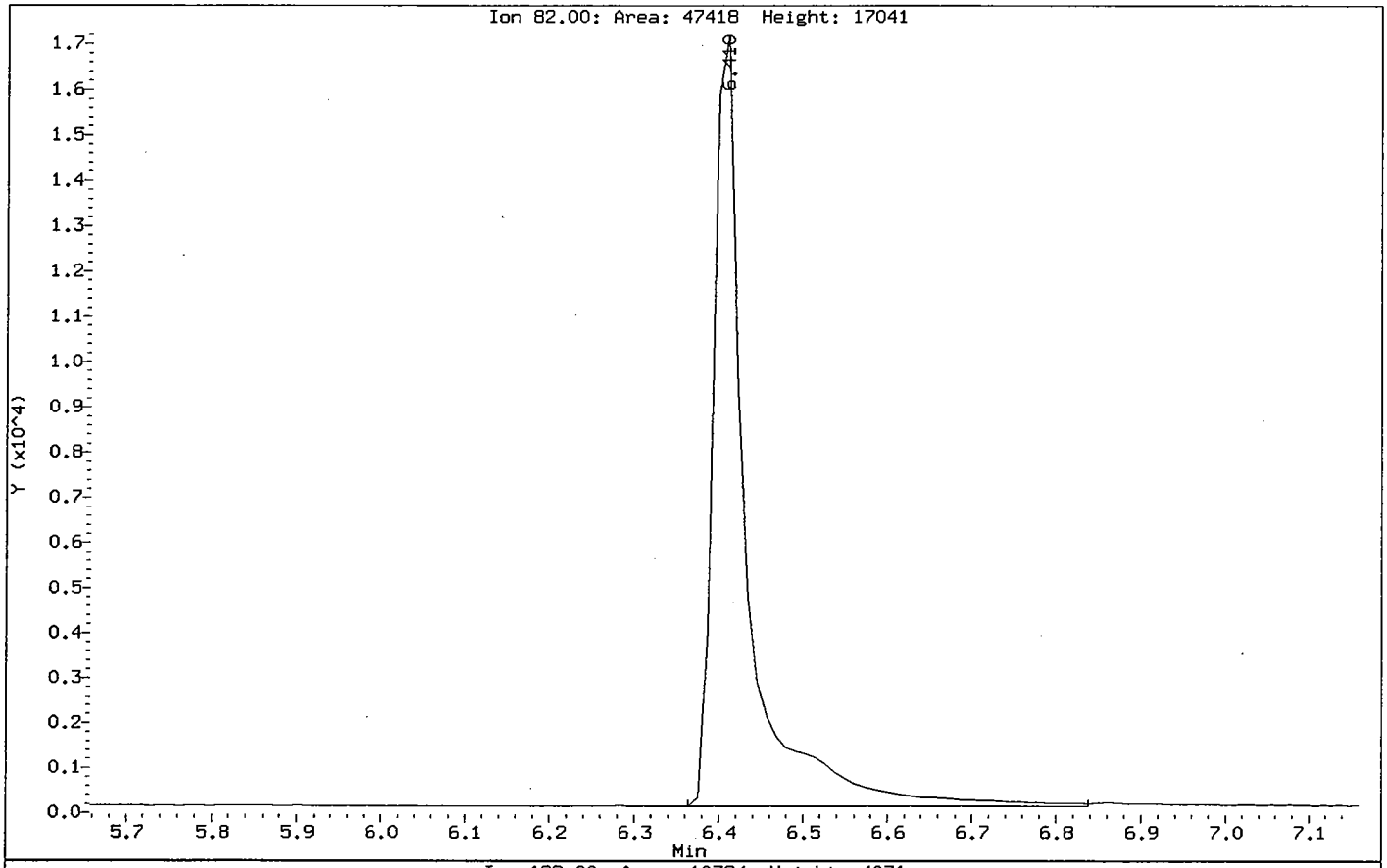
Nitrobenzene-d5 CAS Number 4165-60-0 Area = 40440 Manually integrated

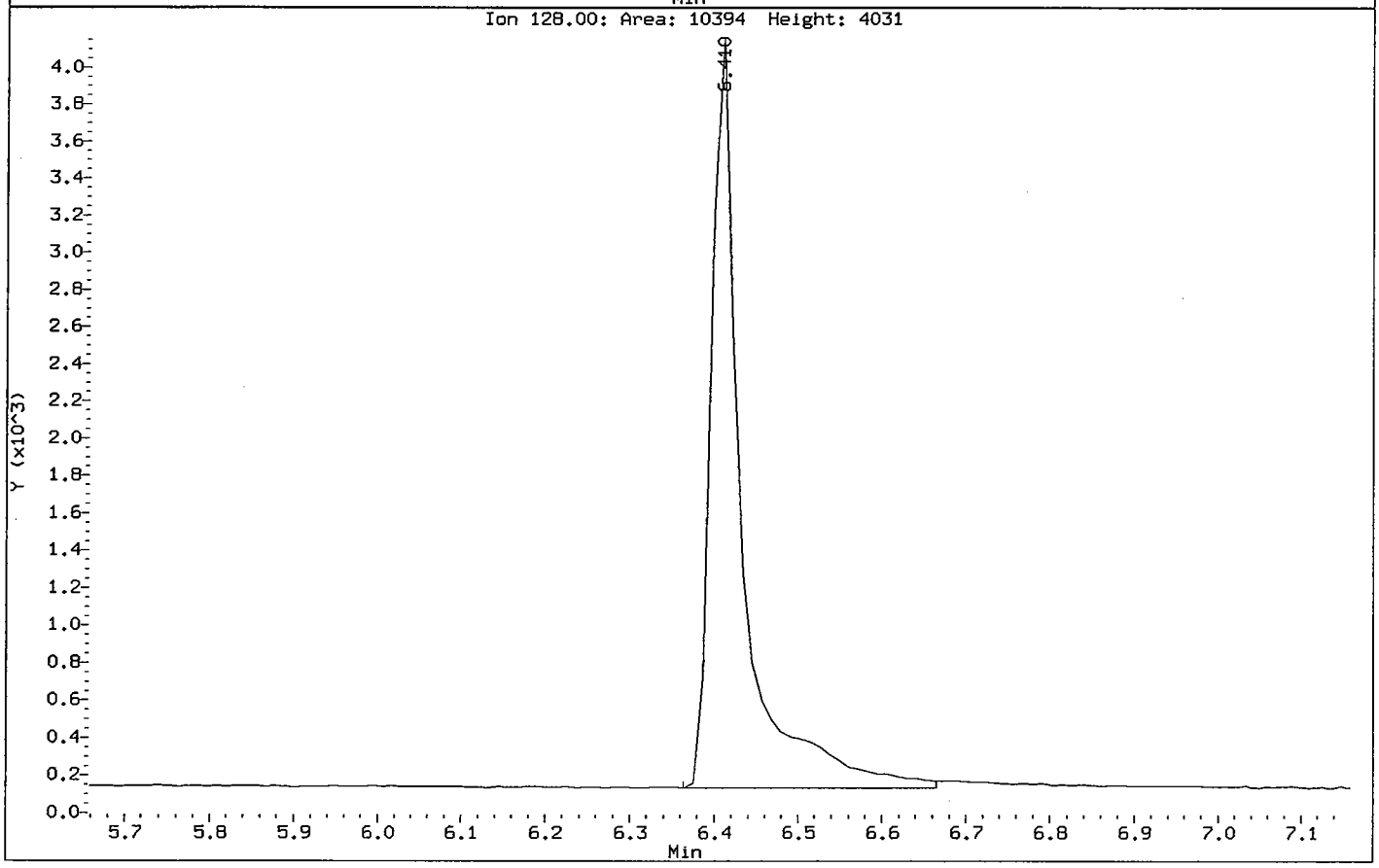


File name: /chem/5972hp66.i/DS100630A66.b/0F30009-CCV2A66.d
Client ID: SSTD003GF
Instrument ID: 5972hp66.i
Injection Date and Time: 30-JUN-2010 13:33
Retention Time: 6.41
Operator ID: OWS

Data File: /chem/5972hp66.i/DS100630A66.b/0F30009-CCV2A66.d
Injection Date: 30-JUN-2010 13:33
Instrument: 5972hp66.i
Client Sample ID: SSTD003GF

Compound: Nitrobenzene-d5
CAS Number: 4165-60-0





Data File: /chem/5972hp66.i/DS100630A66.b/SRC100630JA66.d
Report Date: 02-Jul-2010 15:33

CompuChem

RECOVERY REPORT

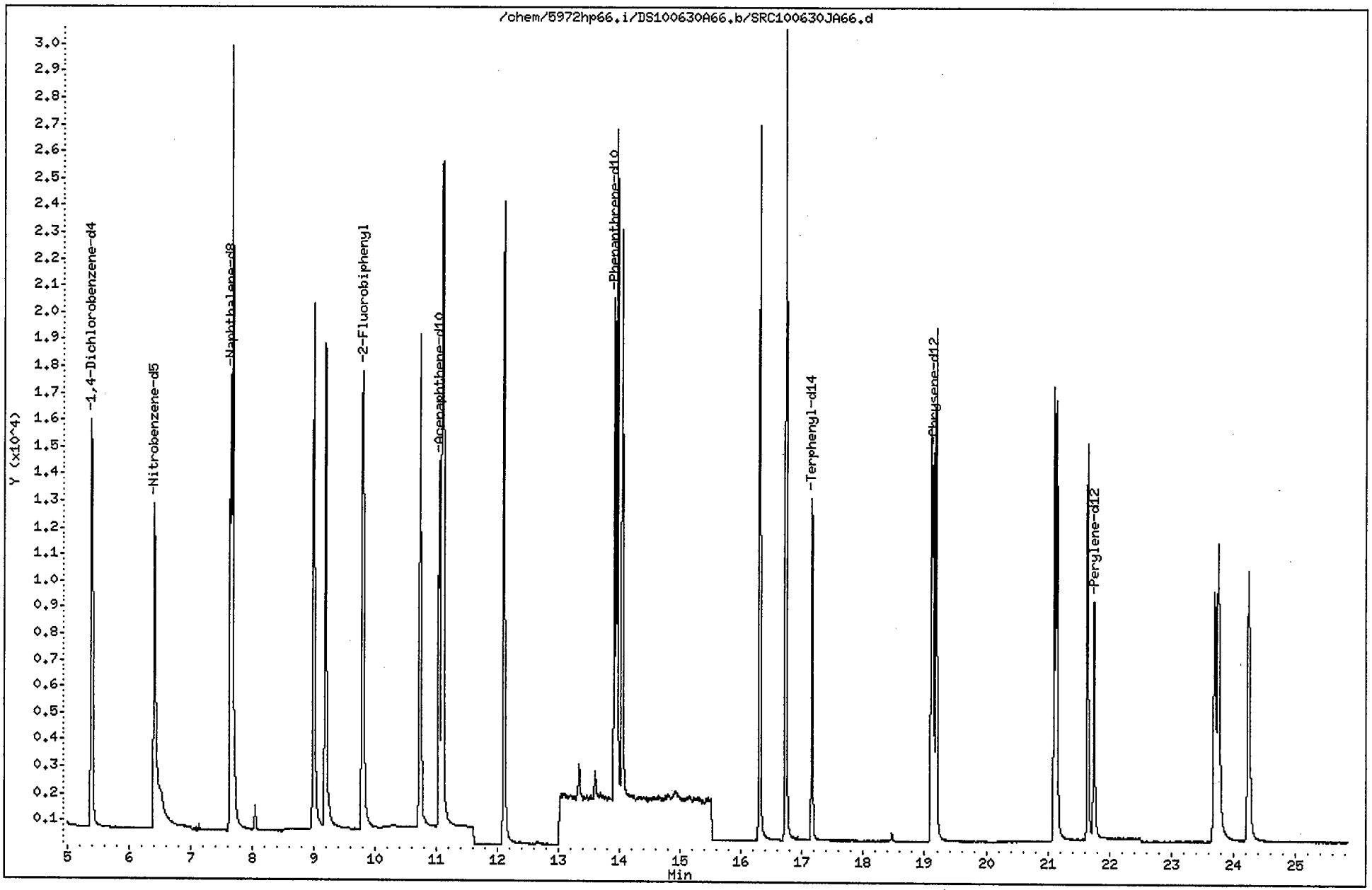
Client Name:
Sample Matrix: LIQUID
Lab Smp Id: SSTD003VAL
Level: LOW
Data Type: MS DATA
SpikeList File: 2ndsourcePAH.spk
Sublist File: ICALPAH.sub
Client SDG: DS100630A66
Fraction: SV
Client Smp ID: SSTD003VAL
Operator: OWS
SampleType: LCS
Quant Type: ISTD
Method File: /chem/5972hp66.i/DS100630A66.b/SIM_8270Cv3DOD.m
Misc Info: SSTD003VAL

SPIKE COMPOUND	AMOUNT ADDED NG	AMOUNT RECOVERED NG	% RECOVERED	LIMITS
13 Naphthalene	3.0	2.8	94.47	80-120
15 2-Methylnaphthalen	3.0	2.8	93.91	80-120
17 Acenaphthylene	3.0	2.9	95.08	80-120
18 Acenaphthene	3.0	2.9	95.96	80-120
21 Fluorene	3.0	2.8	94.52	80-120
25 Phenanthrene	3.0	2.8	92.50	80-120
26 Anthracene	3.0	3.0	100.49	80-120
27 Fluoranthene	3.0	2.8	94.18	80-120
28 Pyrene	3.0	2.9	95.71	80-120
29 Benzo(a)anthracene	3.0	2.7	88.79	80-120
30 Chrysene	3.0	2.8	92.87	80-120
31 Benzo(b)fluoranthe	3.0	2.8	94.12	80-120
32 Benzo(k)fluoranthe	3.0	2.8	93.72	80-120
33 Benzo(a)pyrene	3.0	2.8	94.36	80-120
34 Indeno(1,2,3-cd)py	3.0	2.7	91.20	80-120
35 Dibenzo(a,h)anthra	3.0	2.9	95.69	80-120
36 Benzo(g,h,i)peryle	3.0	2.6	88.10	80-120

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 9 Nitrobenzene-d5	1.5	1.3	83.50	40-110
$ 10 2-Fluorobiphenyl	1.5	1.5	97.10	50-110
$ 12 Terphenyl-d14	1.5	1.4	95.59	50-135

Data File: /chem/5972hp66.i/DS100630A66.b/SRC100630JA66.d
Date : 30-JUN-2010 14:57
Client ID: SSTD003VAL
Sample Info: SSTD003VAL:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100630A66.b/SRC100630JA66.d
Report Date: 02-Jul-2010 15:34

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100630A66.b/SRC100630JA66.d
Lab Smp Id: SSTD003VAL Client Smp ID: SSTD003VAL
Inj Date : 30-JUN-2010 14:57
Operator : OWS Inst ID: 5972hp66.i
Smp Info : SSTD003VAL:OWS
Misc Info : SSTD003VAL
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100630A66.b/SIM_8270Cv3DOD.m
Meth Date : 02-Jul-2010 15:34 byrd Quant Type: ISTD
Cal Date : 29-JUN-2010 21:07 Cal File: 0F29011-CAL5A66.d
Als bottle: 5 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	5.400	5.392	(1.000)	10706	2.00000	
* 2 Naphthalene-d8	136	7.637	7.637	(1.000)	25708	2.00000	
* 3 Acenaphthene-d10	164	11.041	11.042	(1.000)	11519	2.00000	
* 4 Phenanthrene-d10	188	13.911	13.912	(1.000)	20063	2.00000	
* 5 Chrysene-d12	240	19.136	19.137	(1.000)	16217	2.00000	
* 6 Perylene-d12	264	21.757	21.756	(1.000)	12673	2.00000	
$ 9 Nitrobenzene-d5	82	6.406	6.410	(0.839)	25562	2.50495	1.3 (M)
$ 10 2-Fluorobiphenyl	172	9.796	9.785	(0.887)	28236	2.91296	1.5
$ 12 Terphenyl-d14	244	17.155	17.157	(0.896)	14058	2.86785	1.4
13 Naphthalene	128	7.670	7.670	(1.004)	46117	2.83410	1.4
15 2-Methylnaphthalene	141	8.987	8.987	(1.177)	19335	2.81745	1.4
17 Acenaphthylene	152	10.734	10.734	(0.972)	31035	2.85234	1.4
18 Acenaphthene	154	11.103	11.103	(1.006)	20558	2.87886	1.4
21 Fluorene	166	12.098	12.098	(1.096)	23103	2.83560	1.4
25 Phenanthrene	178	13.956	13.956	(1.003)	32511	2.77505	1.4

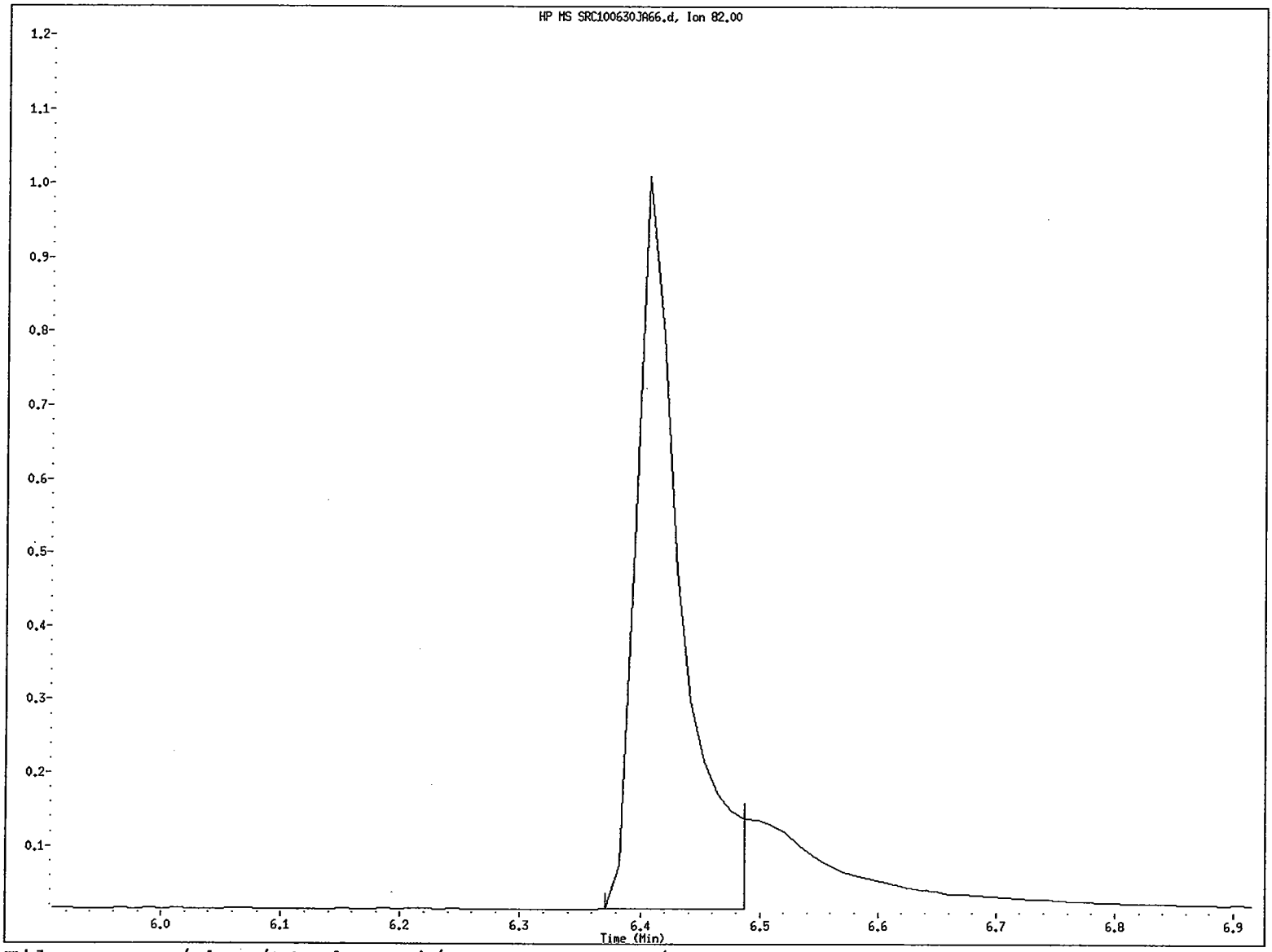
Data File: /chem/5972hp66.i/DS100630A66.b/SRC100630JA66.d
Report Date: 02-Jul-2010 15:34

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
26 Anthracene	178	14.039	14.044	(1.009)	29830	3.01484	1.5
27 Fluoranthene	202	16.303	16.300	(1.172)	27753	2.82530	1.4
28 Pyrene	202	16.723	16.724	(0.874)	30056	2.87145	1.4
29 Benzo(a)anthracene	228	19.106	19.106	(0.998)	20065	2.66357	1.3
30 Chrysene	228	19.185	19.185	(1.003)	24546	2.78621	1.4
31 Benzo(b)fluoranthene	252	21.109	21.107	(0.970)	21380	2.82346	1.4
32 Benzo(k)fluoranthene	252	21.148	21.147	(0.972)	24963	2.81149	1.4
33 Benzo(a)pyrene	252	21.651	21.650	(0.995)	20582	2.83093	1.4
34 Indeno(1,2,3-cd)pyrene	276	23.701	23.701	(1.089)	16670	2.73605	1.4
35 Dibenzo(a,h)anthracene	278	23.762	23.763	(1.092)	17108	2.87063	1.4
36 Benzo(g,h,i)perylene	276	24.252	24.253	(1.115)	19708	2.64315	1.3

QC Flag Legend

M - Compound response manually integrated.

Nitrobenzene-d5 CAS Number 4165-60-0 Area = 25562 Manually integrated



File name: /chem/5972hp66.i/DS100630A66.b/SRC100630JA66.d
Client ID: SSTD003VAL
Instrument ID: 5972hp66.i
Injection Date and Time: 30-JUN-2010 14:57
Retention Time: 6.41
Operator ID: OWS

523

COMPUCHEM a Division of Liberty Analytical Corp
GC/MS SEMIVOLATILE RUN LOG
LOGBOOK 4X(4) 21 (5972hp66)

DATE 6/30/10 INITIAL TIME OF TUNE 1232 SHIFT/S (A) X (B)____(C)____
TIME TUNE EXPIRES 0032
METHOD: 625 (8270C) 8270D OLC03.2 OLM04.3 SOM01.2 (Circle One) or Other: AAA SIM: (Y/N)
PREVENTIVE MAINTENANCE None

	SEQUENCE#	REJECTED	FILENAME	REPORTED	DATE	TIME	CLIENT ID	SDG#	AMOUNT INJECTED	CHEMIST	COMMENTS
1	0F30009		NA		6/30/10	1232	FC43	—	2uL	2780	SEP=LCX
2	S100630A		0F30009-CCV1A66	IS	/ /	1239	SSTD0036F	—			IS comparison to lcal Failed
3			0F30009-CCV2		/ /	1333	SSTD0036F	—			
4			SRC100630	IH	/ /	1420	SSTD003VAL	—			
5			SRC100630J		/ /	1457	SSTD003VAL	—			
6			1005133-02J2		/ /	1549	SB74-4-5	1005133			
7			-10J2	IH	/ /	1627	SB61D-6-7				
8			-10J3		/ /	1701	↓				
9			-11J	IH	/ /	1735	SS67-0-1				
10			-13J	IH	/ /	1810	SB72-2-3				
11			-14J	IH	/ /	1844	SS88-0-1				
12			-15	IH	/ /	1918	SB88-2.5-3.5				
13			-16	IH	/ /	1952	SS76-0-1				
14			-17	IH	/ /	2027	SB76-6-7				
15			-18	IH	/ /	2101	SS87-0-1				
16			-19	IH	/ /	2135	SB87-3-4				
17			-20	IH	/ /	2209	SS68-0-1				
18					/ /						
19					/ /						
20					/ /						
21					/ /						
22					/ /						
23					/ /						B 6-30-10
24					/ /						

DFTPP Lot #/Exp. Date: NA
Calibration STD Lot#/Exp. Date: 003 0F18002 8-18-10
Internal STD Lot#/Exp. Date: 040 0F18001 11-18-10
Methylene Chloride Lot#/Exp. Date: J17500 6-8-15
Column Type: RTX-5ms 0.32mm

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

REVIEWED BY: B DATE 6-30-10

6/01/09:jr

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Instrument ID: 5972HP70 Calibration Date: 07/01/10 Time: 1139

Lab File ID: 0G01008-CCV1A7 Init. Calib. Date(s): 06/30/10 06/30/10

Init. Calib. Times: 1311 1533

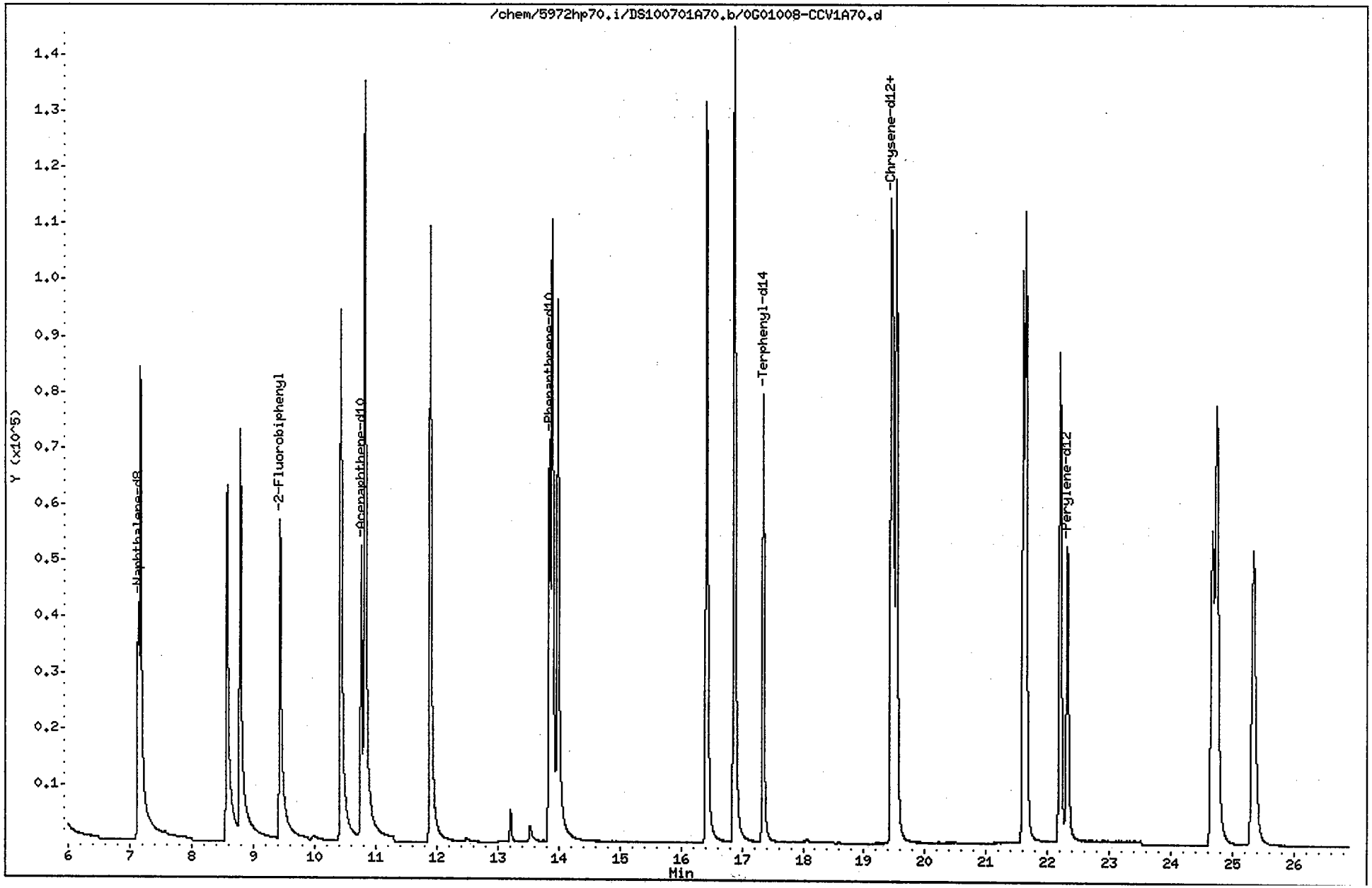
GC Column: RTX-5MS ID: 0.32 (mm)

COMPOUND	RRF or AMOUNT	RRF3.0000 or AMOUNT	CCAL RRF3.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Naphthalene	1.2770000	1.2300056	1.2300056	0.01	-3.68	50.00	AVRG
2-Methylnaphthalene	0.6020000	0.5768487	0.5768487	0.01	-4.18	50.00	AVRG
Acenaphthylene	1.8870000	1.9584195	1.9584195	0.01	3.78	50.00	AVRG
Acenaphthene	1.1970000	1.1587943	1.1587943	0.01	-3.19	20.00	AVRG
Fluorene	1.5040000	1.4666768	1.4666768	0.01	-2.48	50.00	AVRG
Phenanthrene	1.0910000	0.9513077	0.9513077	0.01	-12.80	50.00	AVRG
Anthracene	1.0020000	1.1084176	1.1084176	0.01	10.62	50.00	AVRG
Fluoranthene	1.0720000	1.0889131	1.0889131	0.01	1.58	20.00	AVRG
Pyrene	1.4450000	1.3174277	1.3174277	0.01	-8.83	50.00	AVRG
Benzo(a)anthracene	1.0530000	1.0890218	1.0890218	0.01	3.42	50.00	AVRG
Chrysene	1.2540000	1.1976940	1.1976940	0.01	-4.49	50.00	AVRG
Benzo(b)fluoranthene	1.1700000	1.0419732	1.0419732	0.01	-10.94	50.00	AVRG
Benzo(k)fluoranthene	1.4480000	1.3762752	1.3762752	0.01	-4.95	50.00	AVRG
Benzo(a)pyrene	1.1060000	1.1056617	1.1056617	0.01	-0.03	20.00	AVRG
Indeno(1,2,3-cd)pyrene	2.7517078	3.0000000	0.8856697	0.01	-8.28	50.00	LINR
Dibenzo(a,h)anthracene	0.9780000	0.9700989	0.9700989	0.01	-0.81	50.00	AVRG
Benzo(g,h,i)perylene	1.0800000	0.9851207	0.9851207	0.01	-8.78	50.00	AVRG
Nitrobenzene-d5	0.6470000	0.6369186	0.6369186	0.01	-1.56	50.00	AVRG
2-Fluorobiphenyl	1.3780000	1.3840426	1.3840426	0.01	0.44	50.00	AVRG
Terphenyl-d14	0.7120000	0.6815768	0.6815768	0.01	-4.27	50.00	AVRG

FORM VII SV

Data File: /chem/5972hp70.i/DS100701A70.b/0G01008-CCV1A70.d
Date : 01-JUL-2010 11:39
Client ID: SSTD003MG
Sample Info: SSTD003MG:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701A70.b/0G01008-CCV1A70.d
Report Date: 01-Jul-2010 12:23

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701A70.b/0G01008-CCV1A70.d
Lab Smp Id: 0G01008-CCV1 Client Smp ID: SSTD003MG
Inj Date : 01-JUL-2010 11:39
Operator : OWS Inst ID: 5972hp70.i
Smp Info : SSTD003MG:OWS
Misc Info : SSTD003MG
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701A70.b/SIM_8270Cv3DOD.m
Meth Date : 01-Jul-2010 12:19 buddy Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.820	4.820	(1.000)	26498	2.00000	
* 2 Naphthalene-d8	136	7.130	7.130	(1.000)	99928	2.00000	
* 3 Acenaphthene-d10	164	10.763	10.763	(1.000)	65800	2.00000	
* 4 Phenanthrene-d10	188	13.846	13.846	(1.000)	139762	2.00000	
* 5 Chrysene-d12	240	19.476	19.476	(1.000)	125239	2.00000	
* 6 Perylene-d12	264	22.314	22.314	(1.000)	114589	2.00000	
$ 9 Nitrobenzene-d5	82	5.856	5.856	(0.821)	95469	3.00000	3.0
$ 10 2-Fluorobiphenyl	172	9.432	9.432	(0.876)	136605	3.00000	3.0
$ 12 Terphenyl-d14	244	17.343	17.343	(0.891)	128040	3.00000	2.9
13 Naphthalene	128	7.161	7.161	(1.004)	184368	3.00000	2.9
15 2-Methylnaphthalene	141	8.572	8.572	(1.202)	86465	3.00000	2.9
17 Acenaphthylene	152	10.428	10.428	(0.969)	193296	3.00000	3.1
18 Acenaphthene	154	10.822	10.822	(1.005)	114373	3.00000	2.9
21 Fluorene	166	11.893	11.893	(1.105)	144761	3.00000	2.9
25 Phenanthrene	178	13.890	13.890	(1.003)	199435	3.00000	2.6

MS 07-01-10

Data File: /chem/5972hp70.i/DS100701A70.b/0G01008-CCV1A70.d
Report Date: 01-Jul-2010 12:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
26 Anthracene	178	13.983	13.983	(1.010)	232372	3.00000	3.3
27 Fluoranthene	202	16.417	16.417	(1.186)	228283	3.00000	3.0
28 Pyrene	202	16.871	16.871	(0.866)	247490	3.00000	2.7
29 Benzo(a)anthracene	228	19.441	19.441	(0.998)	204582	3.00000	3.1
30 Chrysene	228	19.525	19.525	(1.002)	224997	3.00000	2.9
31 Benzo(b)fluoranthene	252	21.595	21.595	(0.968)	179098	3.00000	2.7
32 Benzo(k)fluoranthene	252	21.635	21.635	(0.970)	236559	3.00000	2.9
33 Benzo(a)pyrene	252	22.195	22.195	(0.995)	190045	3.00000	3.0
34 Indeno(1,2,3-cd)pyrene	276	24.666	24.666	(1.105)	152232	3.00000	2.8(M)
35 Dibenzo(a,h)anthracene	278	24.736	24.736	(1.109)	166744	3.00000	3.0
36 Benzo(g,h,i)perylene	276	25.328	25.328	(1.135)	169326	3.00000	2.7

Zus 07-01-10

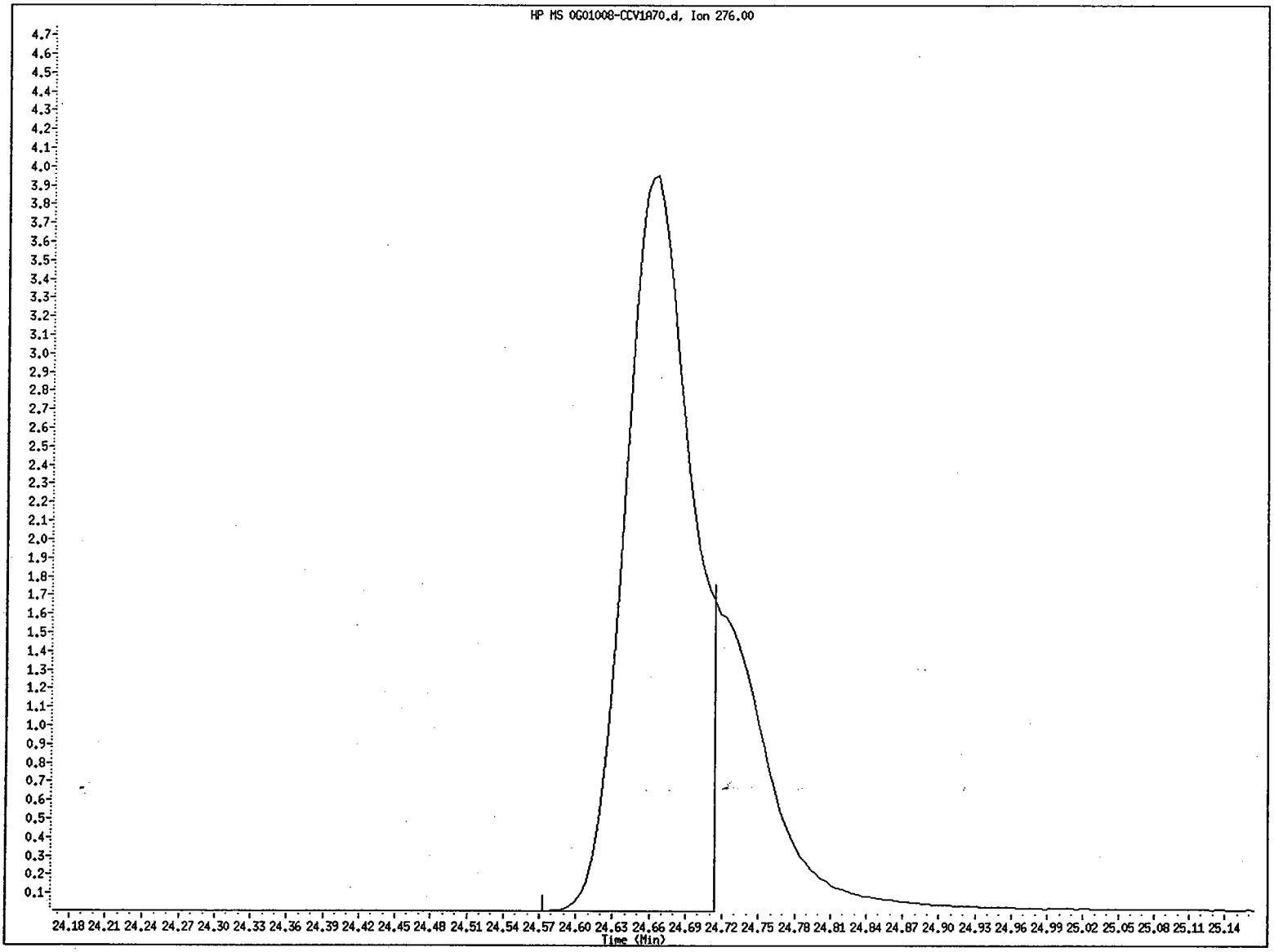
pw 7/2/10

QC Flag Legend

M - Compound response manually integrated.

Zus 07-01-10

Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 152232 Manually integrated



File name: /chem/5972hp70.i/DS100701A70.b/0G01008-CCV1A70.d
Client ID: SSTD003MG
Instrument ID: 5972hp70.i
Injection Date and Time: 01-JUL-2010 11:39
Retention Time: 24.67
Operator ID: OWS

COMPUCHEM a Division of Liberty Analytical Corp
GC/MS SEMIVOLATILE RUN LOG
LOGBOOK 4U(4) 21 (5972hp70)

DATE 7/1/10 INITIAL TIME OF TUNE 1113 SHIFT/S (A) X (B)____(C)____
TIME TUNE EXPIRES 2313
METHOD: 625 (8270C) 8270D OLC03.2 OLM04.3 SOM01.2 (Circle One) or Other: PAH SIM: (Y/N)
PREVENTIVE MAINTENANCE None

	SEQUENCE#	EXTRACTED	FILENAME	ANALYZED	DATE	TIME	CLIENT ID	SDG#	AMOUNT INJECTED	CHEMIST	COMMENTS
1	OG01008		N/A		7/1/10	1113	FC43	—	—	2730	LCO=SCO
2	S100701A		OG01008-CCV1A70		/ /	1139	SSTD003MG	—	2ul		
3			1005180-01A70		/ /	1232	SS41-0-1	1005180			
4			-02		/ /	1308	SB41-1-2				
5			-03		/ /	1343	SS35-0-1				
6			-04		/ /	1419	SB35-2-3				
7			0052409-BLK1S		/ /	1501	SBLKCG	1005133			
8			1005133-11J2		/ /	1537	SS67-0-1				
9			13J2		/ /	1612	SB72-2-3				
10			14J2		/ /	1648	SS88-0-1				
11			15J		/ /	1723	SB88-2.5-3.5				
12			16J		/ /	1759	SS76-0-1				
13			17J		/ /	1834	SB76-6-7				
14			18J		/ /	1909	SS87-0-1				
15			19J		/ /	1945	SB87-3-4				
16			20J		/ /	2020	SS68-0-1				
17					/ /						
18					/ /						
19					/ /						
20					/ /						
21					/ /						
22					/ /						
23					/ /						
24					/ /						B 7-1-10

DFTPP Lot #/Exp. Date: N/A
Calibration STD Lot#/Exp. Date: 003 OF18002 8-18-10
Internal STD Lot#/Exp. Date: 040 DF18001 11-18-10
Methylene Chloride Lot#/Exp. Date: J17580 6-8-15
Column Type: RTX-5MS 0.32mm

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

REVIEWED BY: B DATE 7-1-10

7/27/09:jr

4. Raw QC Data

    a. FC43 data

    b. Blank Data

    c. Laboratory Control Sample Data

    d. Matrix Spike Data

    e. Matrix Spike Duplicate Data

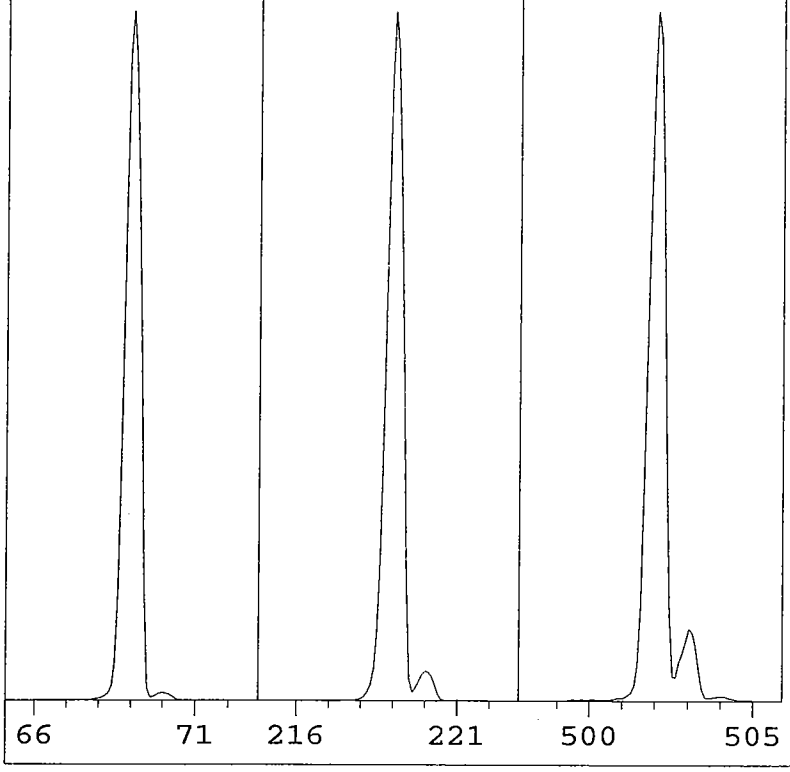
a. FC43 (Calibration Gas)

PFTBA (Perfluoro-tri-n-butylamine) scan,
showing the relative abundance of the
key ions (69, 219, and 502)
and the Instrument Operating Conditions

HP5972

Instrument: GC/MS Instrument #1
Tue May 25 05:59:20 2010 C:\HPCHEM\1\5972\SIM.U

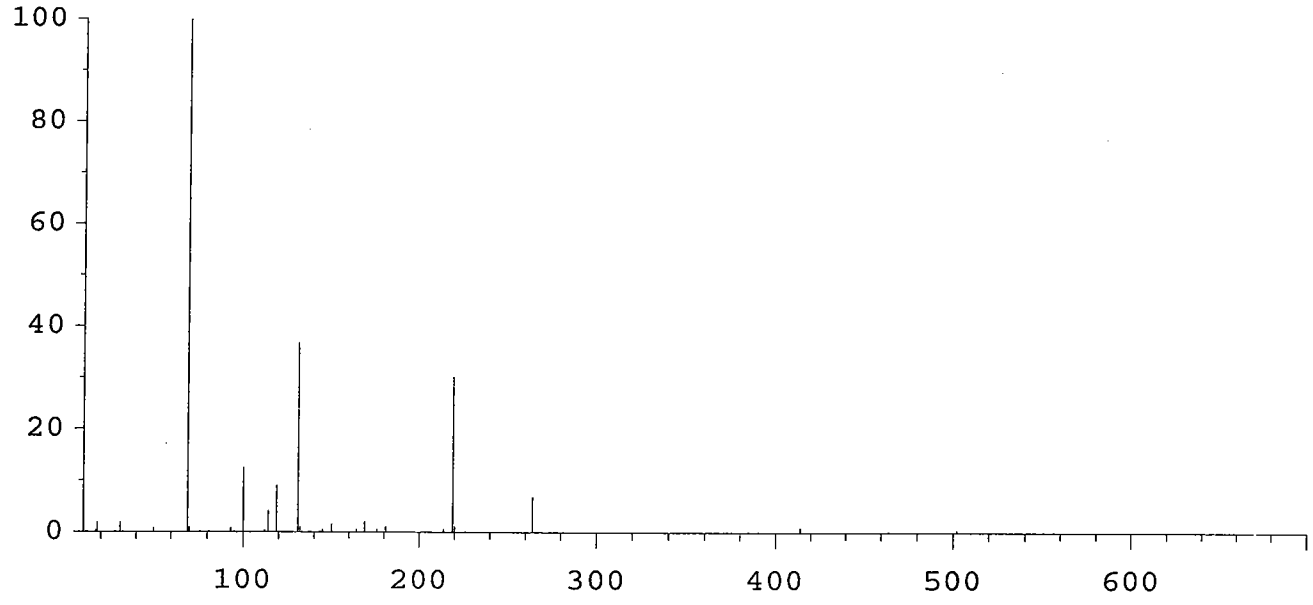
Mass	69.00	Mass	218.95	Mass	502.00
Ab	3135709	Ab	844056	Ab	15005
Pw50	0.56	Pw50	0.56	Pw50	0.58



EMVolts	2000	AmuGain	198
Xray	38.5	AmuOffs	70
Emission	35.0	Wid219	0.010
MS Temp	181	TTI	OFF
Vacuum	53	DC Pol	POS
Samples	8	Repeller	22.01
Averages	3	IonFocus	90.0
StepSize	0.10	EntLens	18.57
MassGain	-967	EntOffs	15.81
MassOffs	7	Filament	1

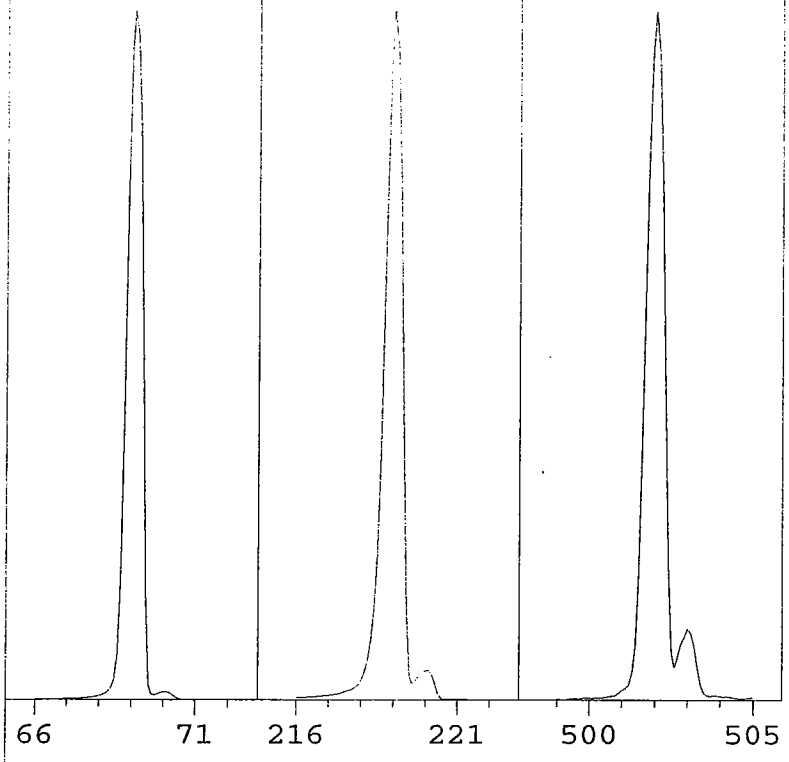
PFTBA OPEN

Scan: 10.00 - 700.00 Samples: 8 Thresh: 100
189 peaks Base: 69.00 Abundance: 2428928



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	2428928	100.00	69.95	25704	1.06
218.95	736000	30.30	220.00	32008	4.35
502.00	13063	0.54	503.00	1355	10.37

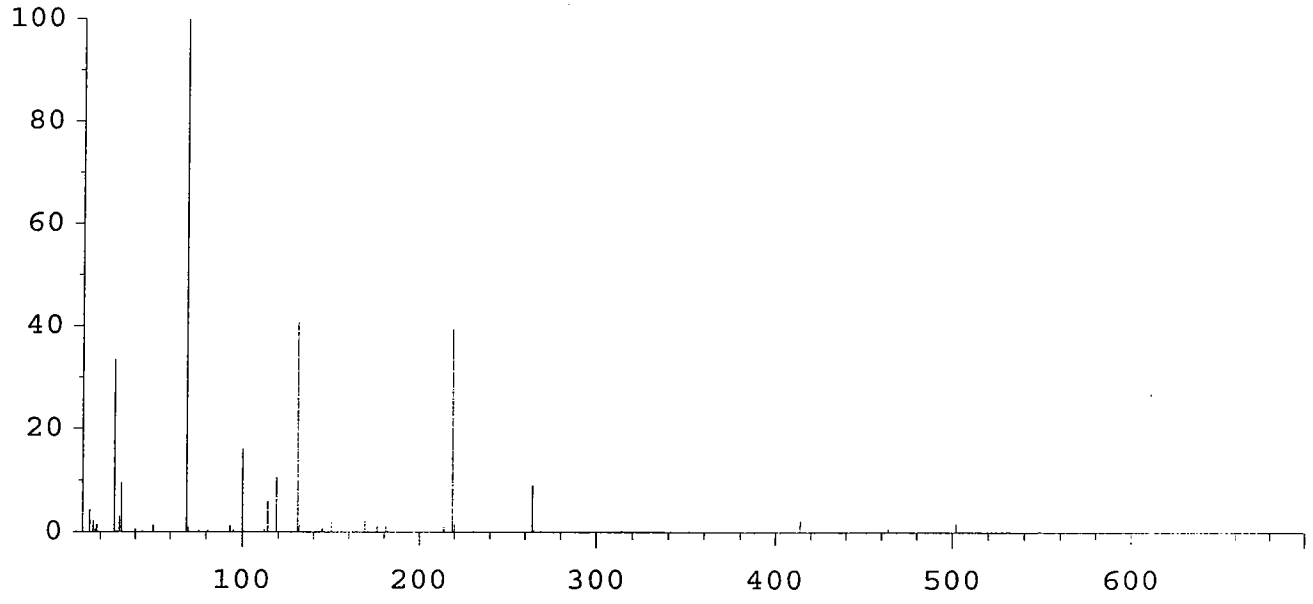
Mass	69.00	Mass	218.95	Mass	502.00
Ab	1168318	Ab	478250	Ab	20208
Pw50	0.58	Pw50	0.60	Pw50	0.63



EMVolts	2118	AmuGain	184
Xray	47.0	AmuOffs	69
Emission	35.0	Wid219	-0.012
MS Temp	171	TTI	OFF
Vacuum	52	DC Pol	POS
Samples	8	Repeller	24.86
Averages	3	IonFocus	90.0
StepSize	0.10	EntLens	0.00
MassGain	-957	EntOffs	VAR
MassOffs	7	Filament	1

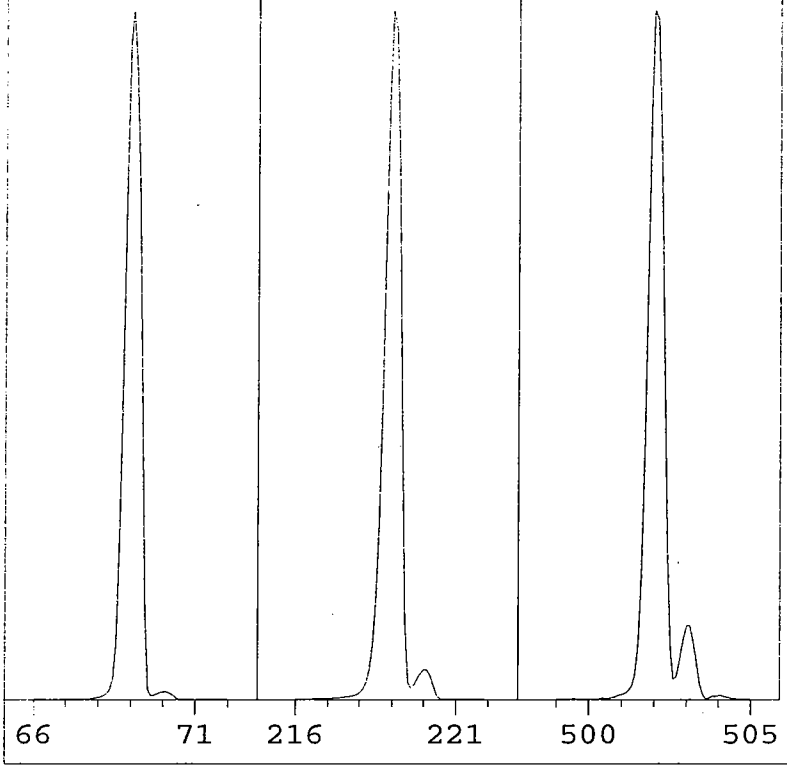
PFTBA OPEN

Scan: 10.00 - 700.00 Samples: 8 Thresh: 100
231 peaks Base: 69.00 Abundance: 994176



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	994176	100.00	70.00	11101	1.12
218.95	392576	39.49	219.95	16976	4.32
502.00	17808	1.79	502.95	1624	9.12

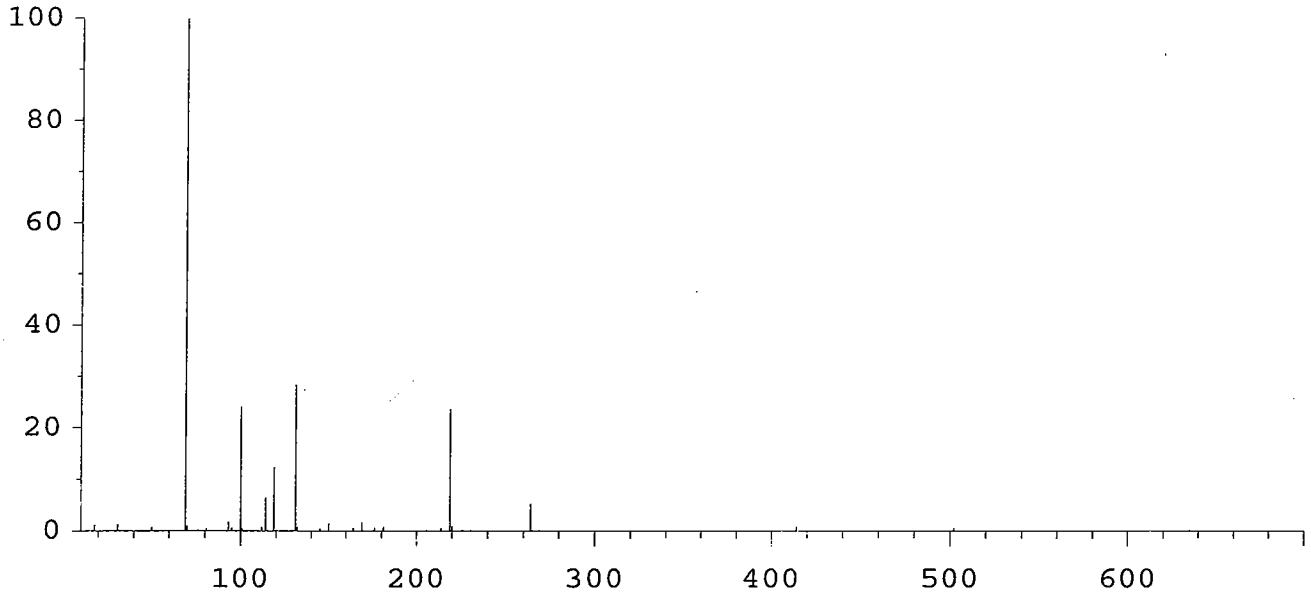
Mass	69.00	Mass	218.95	Mass	502.00
Ab	2506006	%	23.96	%	0.62
Pw50	0.57	Pw50	0.55	Pw50	0.55



EMVolts	2118	AmuGain	191
Xray	59.8	AmuOffs	58
Emission	35.0	Wid219	-0.075
MS Temp	175	TTI	OFF
Vacuum	39	DC Pol	POS
Samples	8	Repeller	28.56
Averages	3	IonFocus	90.0
StepSize	0.10	EntLens	0.00
MassGain	-957	EntOffs	VAR
MassOffs	7	Filament	1

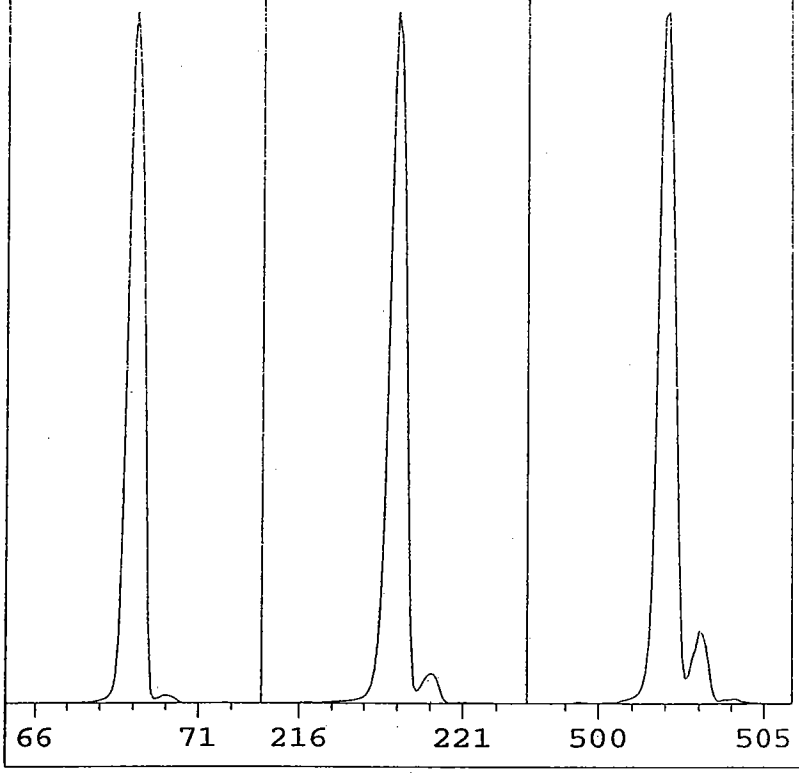
PFTBA OPEN

Scan: 10.00 - 700.00 Samples: 8 Thresh: 100
198 peaks Base: 69.00 Abundance: 2051072



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	2051072	100.00	70.00	22744	1.11
218.95	487168	23.75	219.95	21728	4.46
502.00	12824	0.63	502.95	1364	10.64

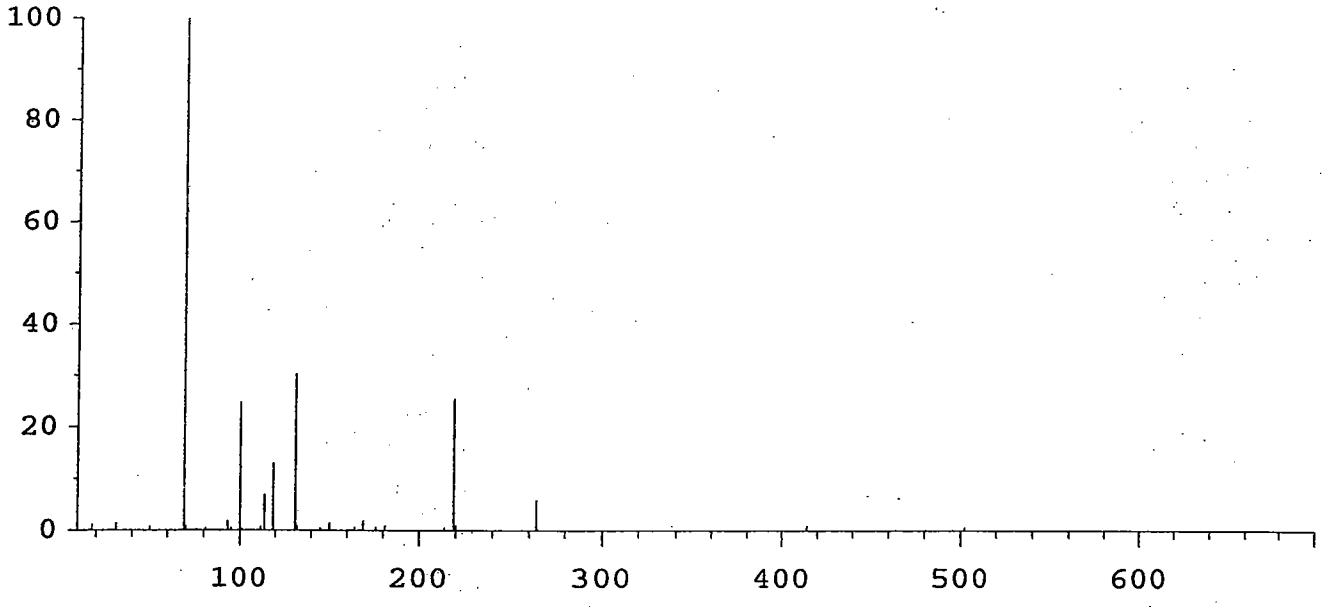
Mass	69.00	Mass	218.95	Mass	502.10
Ab	2245665	%	25.88	%	0.68
Pw50	0.58	Pw50	0.56	Pw50	0.55



EMVolts	2118	AmuGain	191
Xray	59.8	AmuOffs	58
Emission	35.0	Wid219	-0.075
MS Temp	173	TTI	OFF
Vacuum	45	DC Pol	POS
Samples	8	Repeller	28.56
Averages	3	IonFocus	90.0
StepSize	0.10	EntLens	0.00
MassGain	-957	EntOffs	VAR
MassOffs	7	Filament	1

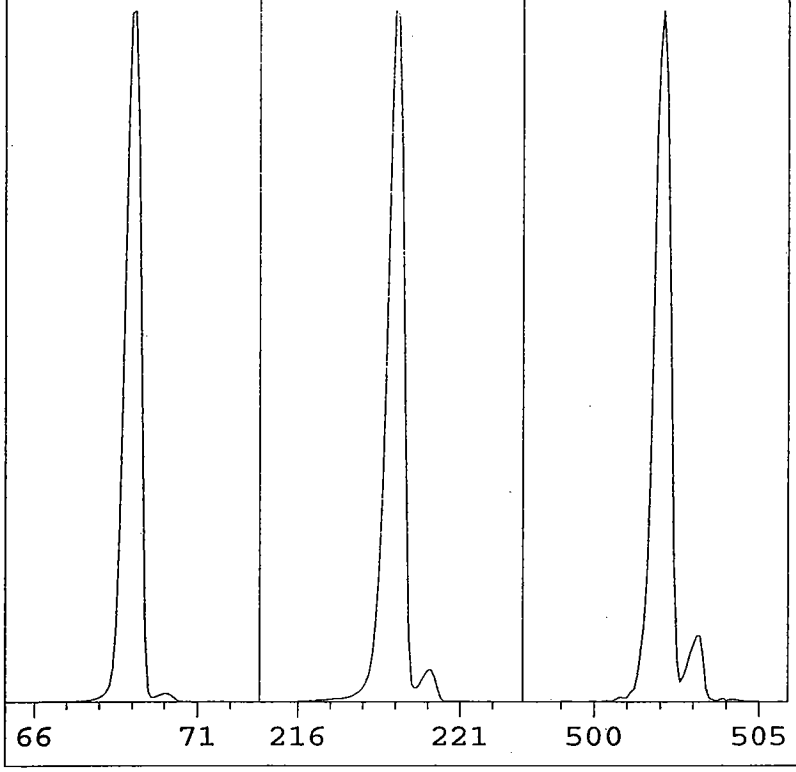
PFTBA OPEN

Scan: 10.00 - 700.00 Samples: 8 Thresh: 100
192 peaks Base: 69.00 Abundance: 1881600



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	1881600	100.00	70.00	20704	1.10
218.95	482688	25.65	219.95	20936	4.34
502.00	13847	0.74	502.95	1471	10.62

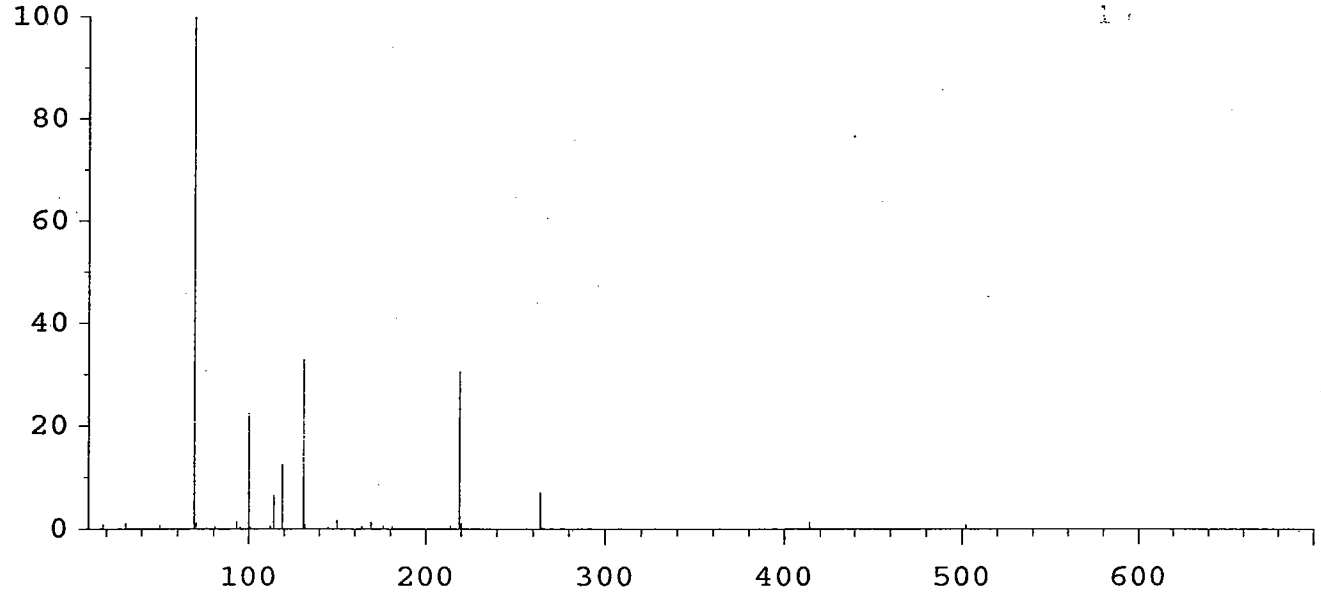
Mass	69.10	Mass	218.95	Mass	502.00
Ab	2821956	%	28.35	%	0.84
Pw50	0.55	Pw50	0.55	Pw50	0.55



EMVolts	2047	AmuGain	389
Xray	21.4	AmuOffs	76
Emission	35.0	Wid219	0.057
MS Temp	161	TTI	OFF
Vacuum	34	DC Pol	POS
Samples	8	Repeller	30.07
Averages	3	IonFocus	90.0
StepSize	0.10	EntLens	0.00
MassGain	-356	EntOffs	VAR
MassOffs	4	Filament	2

PFTBA OPEN

Scan: 10.00 - 700.00 Samples: 8 Thresh: 100
208 peaks Base: 69.00 Abundance: 2241536

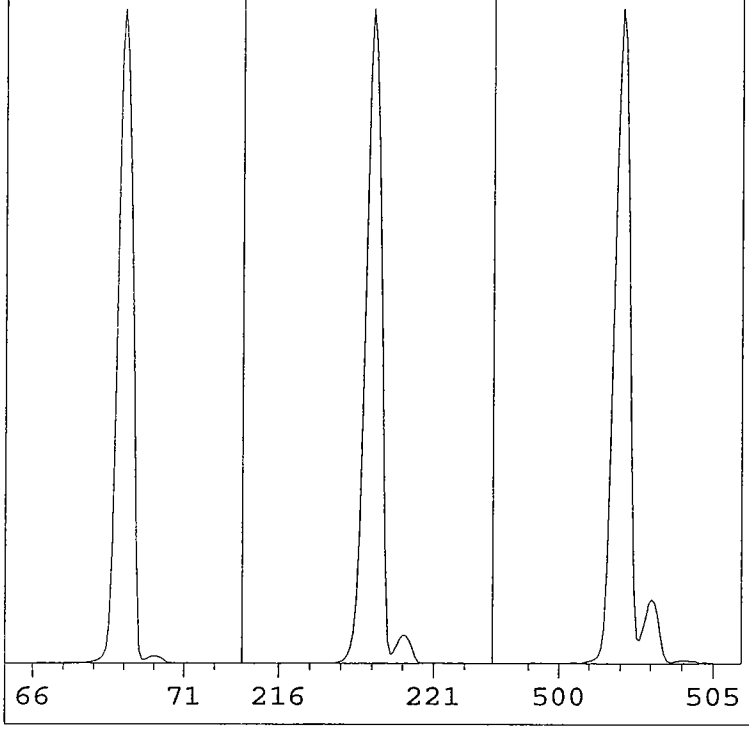


Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	2241536	100.00	70.10	29088	1.30
218.95	686208	30.61	219.95	30024	4.38
502.00	19488	0.87	503.00	1834	9.41

HP5972

Instrument: GC/MS Instrument #1
Tue May 25 18:39:03 2010 C:\HPCHEM\1\5972\SIM.U

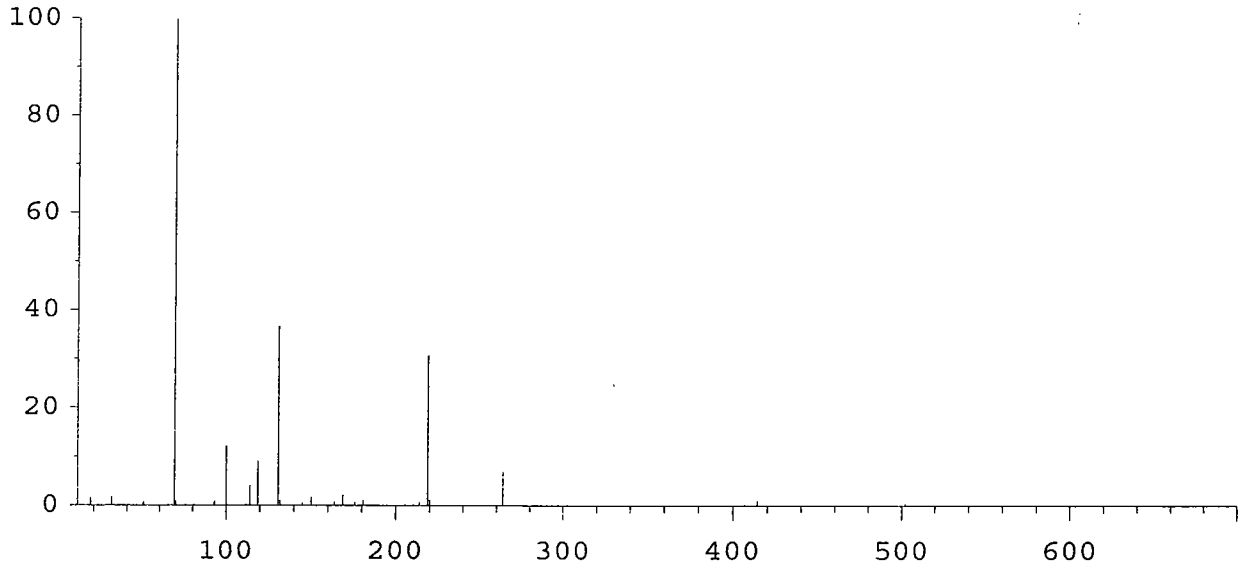
Mass	69.00	Mass	218.95	Mass	502.00
Ab	3297494	Ab	1004991	Ab	17037
Pw50	0.57	Pw50	0.56	Pw50	0.57



EMVolts	2000	AmuGain	198
Xray	38.5	AmuOffs	70
Emission	35.0	Wid219	0.010
MS Temp	182	TTI	OFF
Vacuum	50	DC Pol	POS
Samples	8	Repeller	22.01
Averages	3	IonFocus	90.0
StepSize	0.10	EntLens	18.57
MassGain	-967	EntOffs	15.81
MassOffs	7	Filament	1

PFTBA OPEN

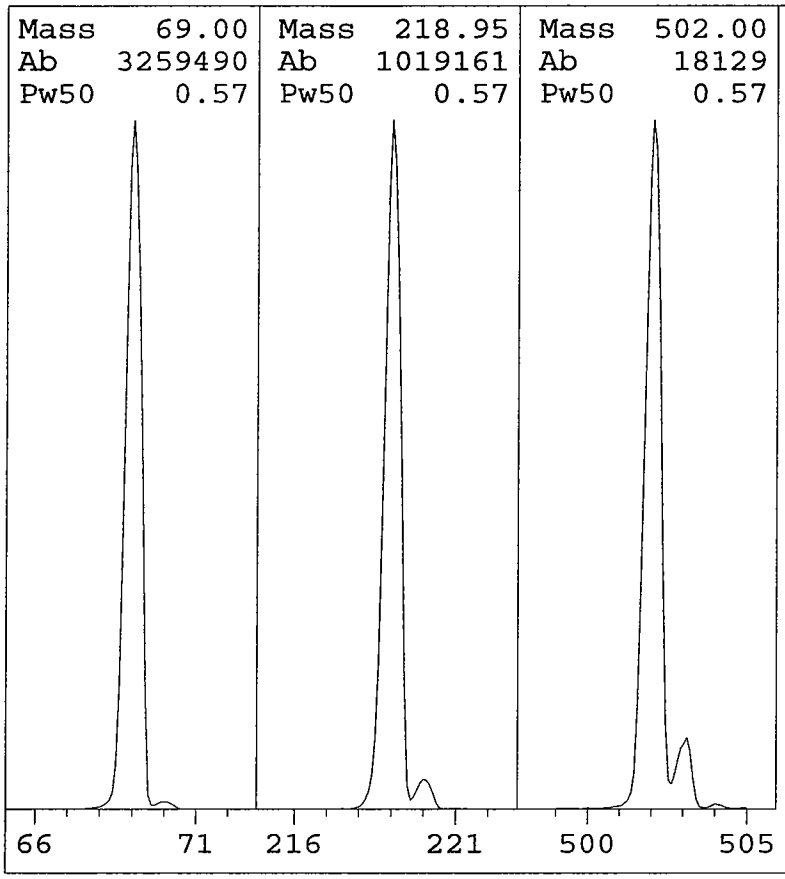
Scan: 10.00 - 700.00 Samples: 8 Thresh: 100
199 peaks Base: 69.00 Abundance: 2863616



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	2863616	100.00	69.95	29968	1.05
218.95	883200	30.84	219.95	37080	4.20
502.00	15500	0.54	503.00	1440	9.29

HP5972

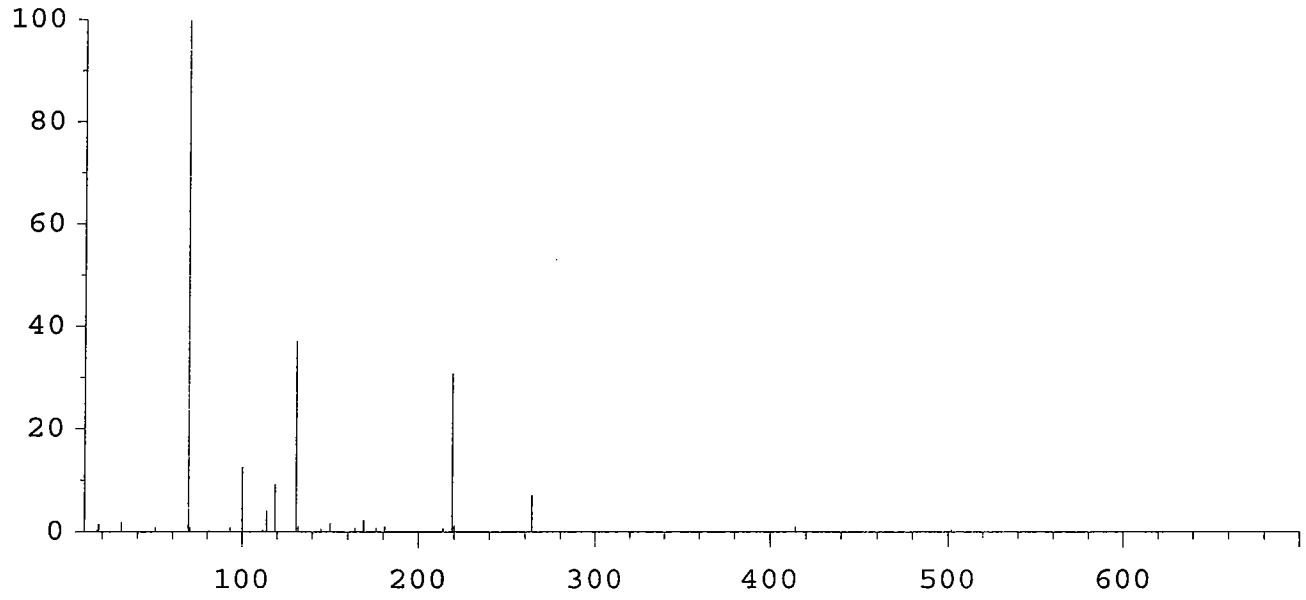
Instrument: GC/MS Instrument #1
Wed May 26 06:09:59 2010 C:\HPCHEM\1\5972\SIM.U



EMVolts	2000	AmuGain	198
Xray	38.5	AmuOffs	70
Emission	35.0	Wid219	0.010
MS Temp	180	TTI	OFF
Vacuum	54	DC Pol	POS
Samples	8	Repeller	22.01
Averages	3	IonFocus	90.0
StepSize	0.10	EntLens	18.57
MassGain	-967	EntOffs	15.81
MassOffs	7	Filament	1

PFTBA OPEN

Scan: 10.00 - 700.00 Samples: 8 Thresh: 100
200 peaks Base: 69.00 Abundance: 2897408

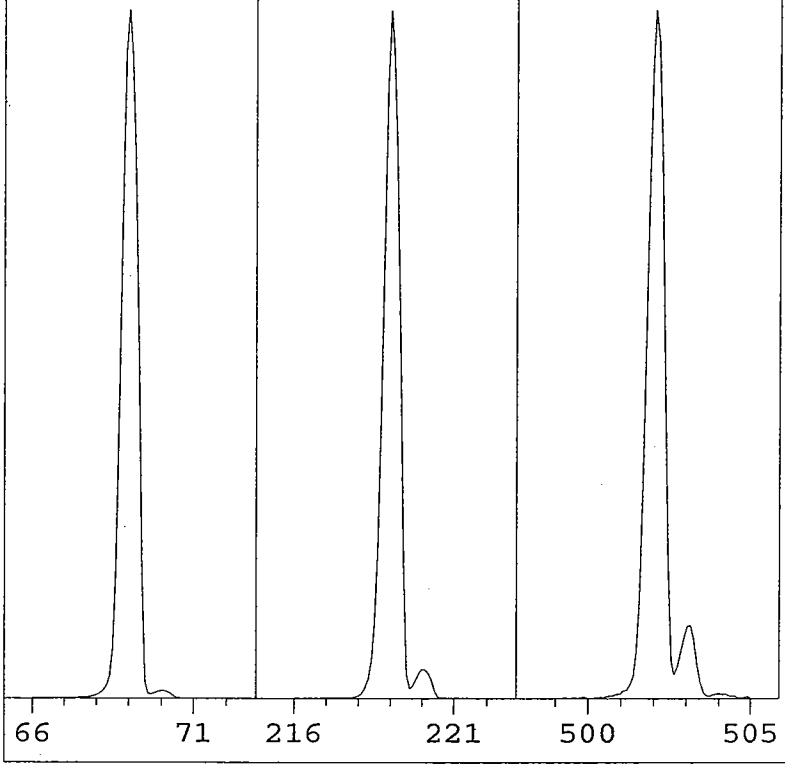


Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	2897408	100.00	69.95	30664	1.06
218.95	895744	30.92	219.95	37528	4.19
502.00	16768	0.58	503.00	1600	9.54

Instrument: GC/MS Instrument #1
Wed Jun 02 00:25:17 2010

C:\HPCHEM\1\5972\SIM.U

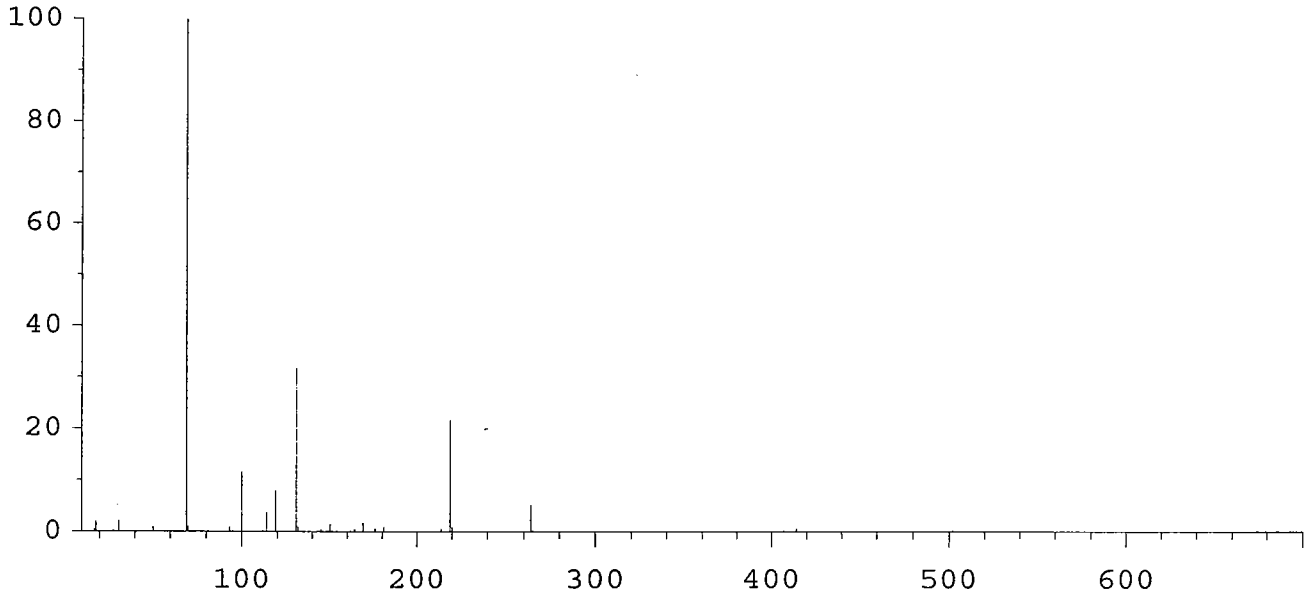
Mass	69.00	Mass	218.95	Mass	502.00
Ab	2968848	Ab	668379	Ab	10843
Pw50	0.57	Pw50	0.57	Pw50	0.60



EMVolts	2000	AmuGain	198
Xray	38.5	AmuOffs	70
Emission	35.0	Wid219	0.001
MS Temp	185	TTI	OFF
Vacuum	54	DC Pol	POS
Samples	8	Repeller	22.01
Averages	3	IonFocus	90.0
StepSize	0.10	EntLens	18.57
MassGain	-967	EntOffs	15.81
MassOffs	7	Filament	1

PFTBA OPEN

Scan: 10.00 - 700.00 Samples: 8 Thresh: 100
238 peaks Base: 69.00 Abundance: 2477056

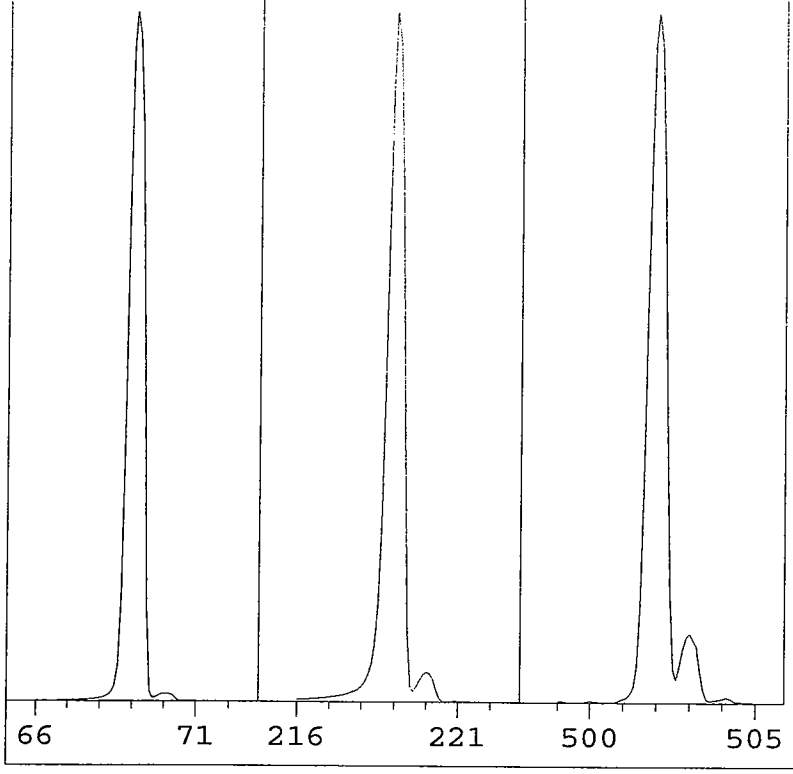


Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	2477056	100.00	69.95	27840	1.12
218.95	539264	21.77	220.00	22936	4.25
502.00	9897	0.40	503.00	908	9.17

Instrument: GC/MS Instrument #1
Thu Jun 24 13:51:33 2010

C:\HPCHEM\1\5972\66SIM.U

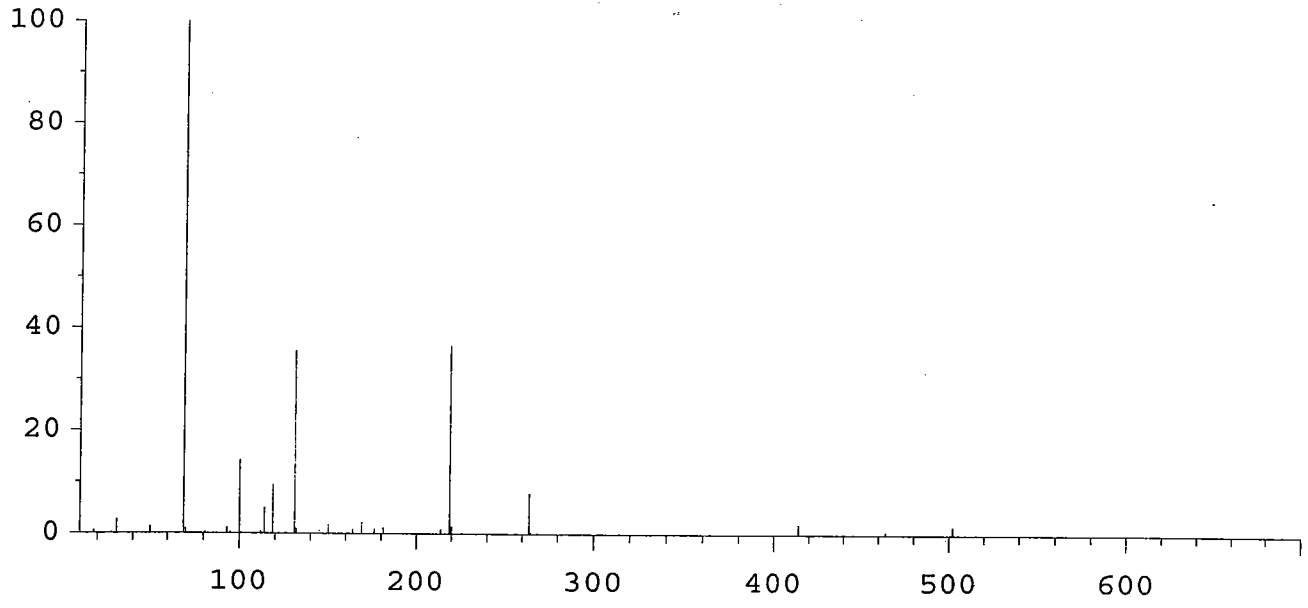
Mass	69.00	Mass	218.95	Mass	502.00
Ab	1130479	%	38.73	%	1.61
Pw50	0.57	Pw50	0.55	Pw50	0.60



EMVolts	2129	AmuGain	186
Xray	47.0	AmuOffs	68
Emission	35.0	Wid219	-0.024
MS Temp	171	TTI	OFF
Vacuum	48	DC Pol	POS
Samples	8	Repeller	24.86
Averages	3	IonFocus	90.0
StepSize	0.10	EntLens	1.51
MassGain	-957	EntOffs	VAR
MassOffs	7	Filament	1

PFTBA OPEN

Scan: 10.00 - 700.00 Samples: 8 Thresh: 100
197 peaks Base: 69.00 Abundance: 982848

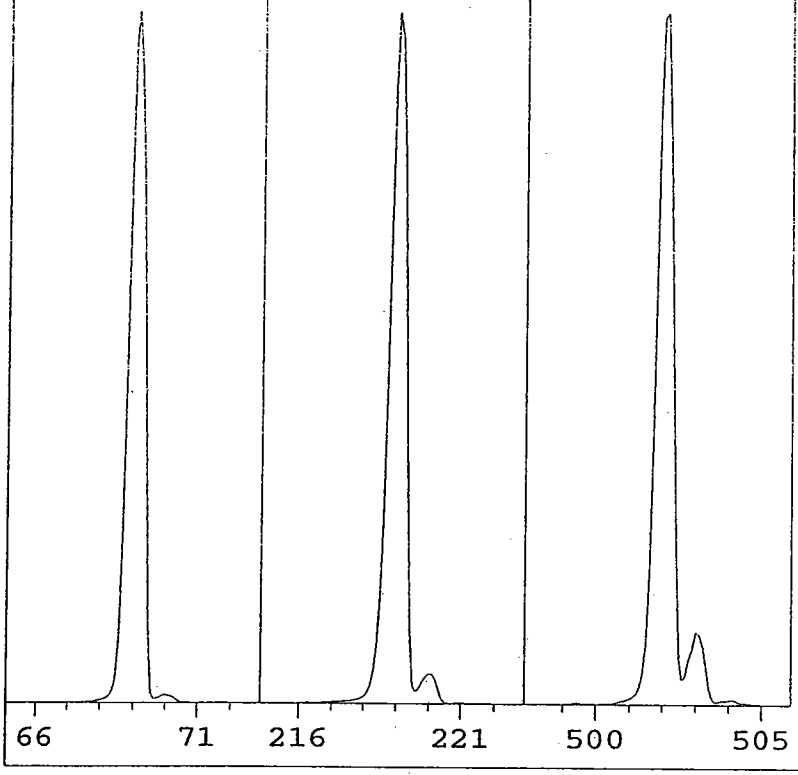


Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	982848	100.00	70.10	10659	1.08
218.95	361600	36.79	219.95	15861	4.39
502.00	16784	1.71	502.95	1767	10.53

Instrument: GC/MS Instrument #1
Wed Jun 30 12:32:09 2010

C:\HPCHEM\1\5972\66SIM.U

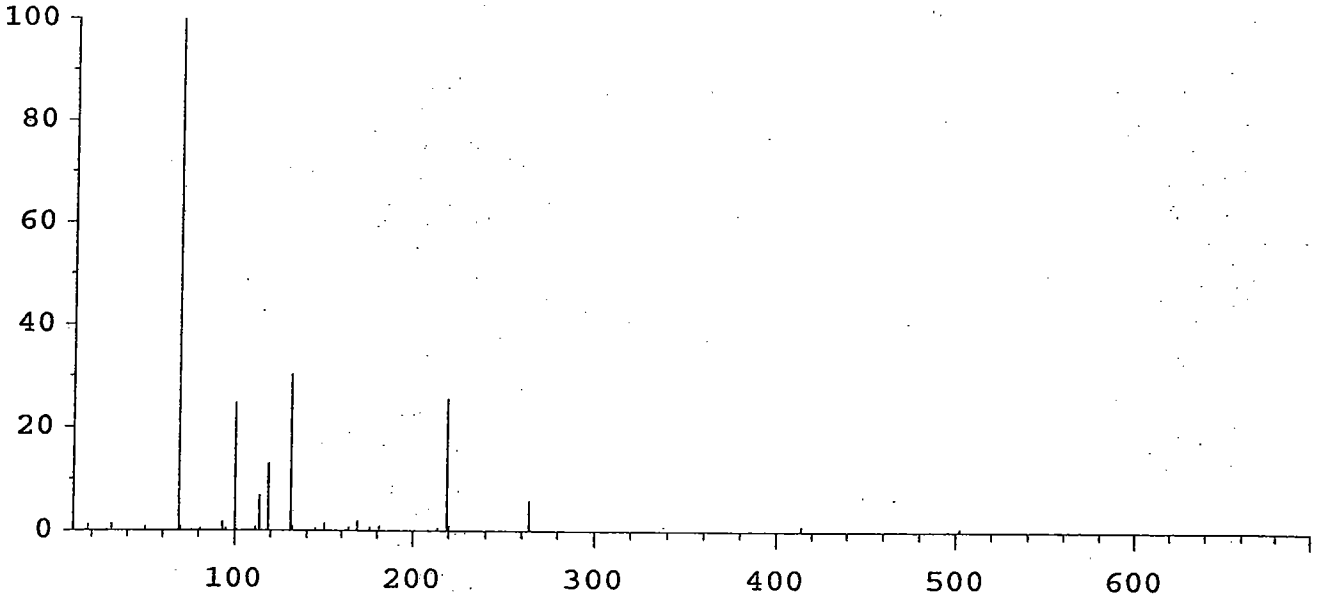
Mass	69.00	Mass	218.95	Mass	502.10
Ab	2245665	%	25.88	%	0.68
Pw50	0.58	Pw50	0.56	Pw50	0.55



EMVolts	2118	AmuGain	191
Xray	59.8	AmuOffs	58
Emission	35.0	Wid219	-0.075
MS Temp	173	TTI	OFF
Vacuum	45	DC Pol	POS
Samples	8	Repeller	28.56
Averages	3	IonFocus	90.0
StepSize	0.10	EntLens	0.00
MassGain	-957	EntOffs	VAR
MassOffs	7	Filament	1

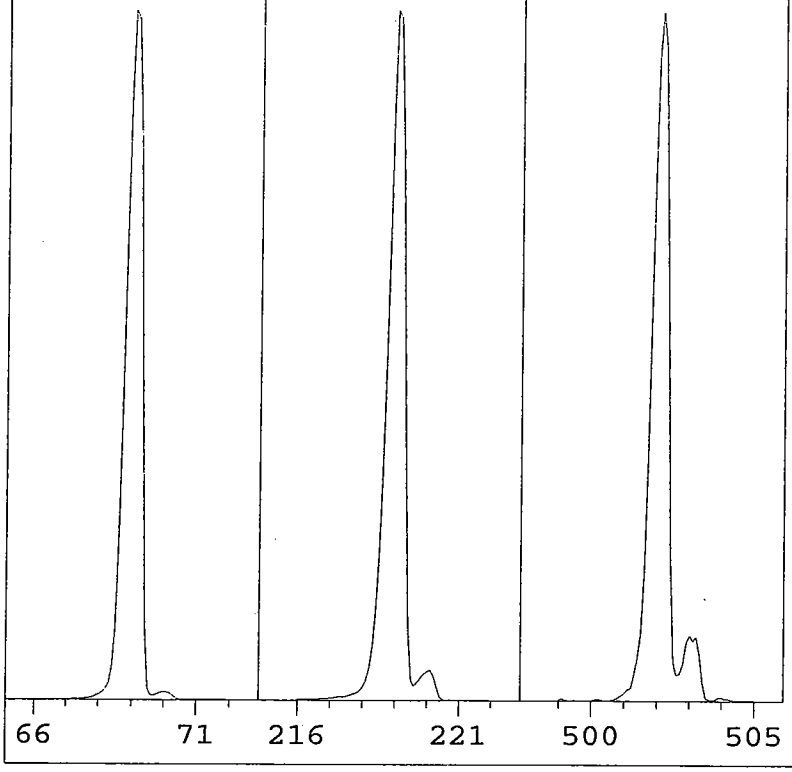
PFTBA OPEN

Scan: 10.00 - 700.00 Samples: 8 Thresh: 100
192 peaks Base: 69.00 Abundance: 1881600



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	1881600	100.00	70.00	20704	1.10
218.95	482688	25.65	219.95	20936	4.34
502.00	13847	0.74	502.95	1471	10.62

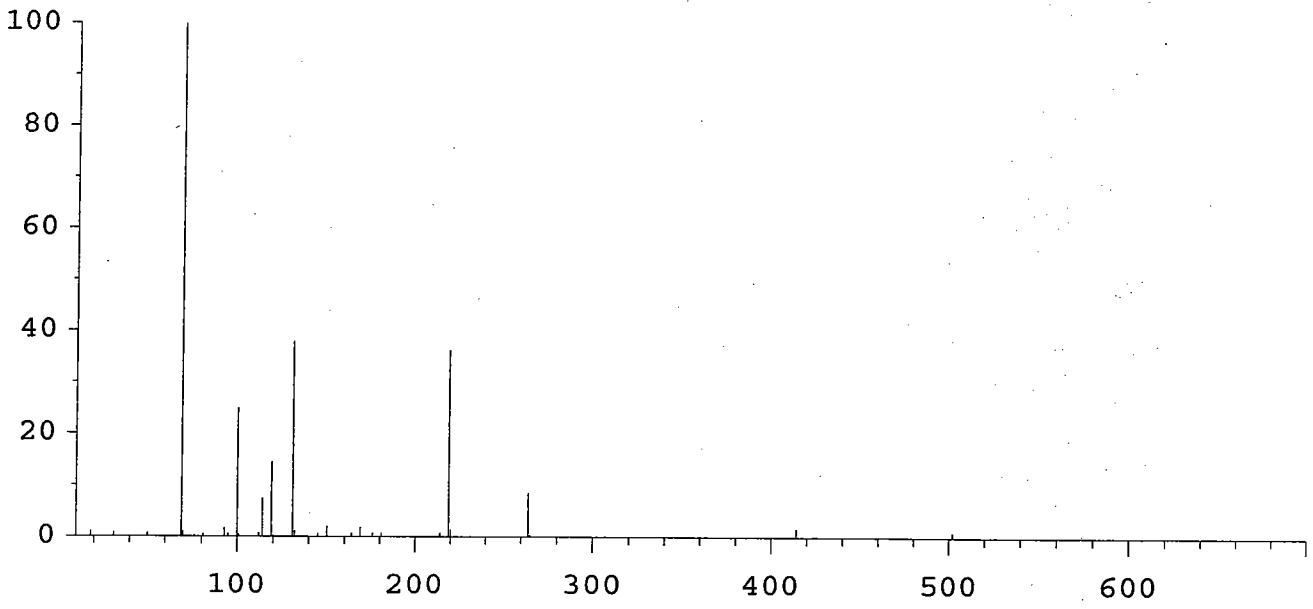
Mass	69.00	Mass	218.95	Mass	502.00
Ab	2215681	%	34.28	%	1.01
Pw50	0.56	Pw50	0.56	Pw50	0.56



EMVolts	2047	AmuGain	389
Xray	21.4	AmuOffs	76
Emission	35.0	Wid219	0.057
MS Temp	164	TTI	OFF
Vacuum	36	DC Pol	POS
Samples	8	Repeller	30.07
Averages	3	IonFocus	90.0
StepSize	0.10	EntLens	0.00
MassGain	-356	EntOffs	VAR
MassOffs	4	Filament	2

PFTBA OPEN

Scan: 10.00 - 700.00 Samples: 8 Thresh: 100
194 peaks Base: 69.00 Abundance: 1777152



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	1777152	100.00	70.00	20472	1.15
218.95	645888	36.34	219.95	27384	4.24
502.00	18968	1.07	502.90	1882	9.92

b. Blank Data

Arranged in chronological order, by extraction date.

- Tabulated Results (Form I SV)

- Chromatogram and quantitation report.

- Target compound spectra with lab-generated standard spectra.

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SBLKBP

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0051920-BLK1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0051920-BLK1JC66
Analyst: 2743

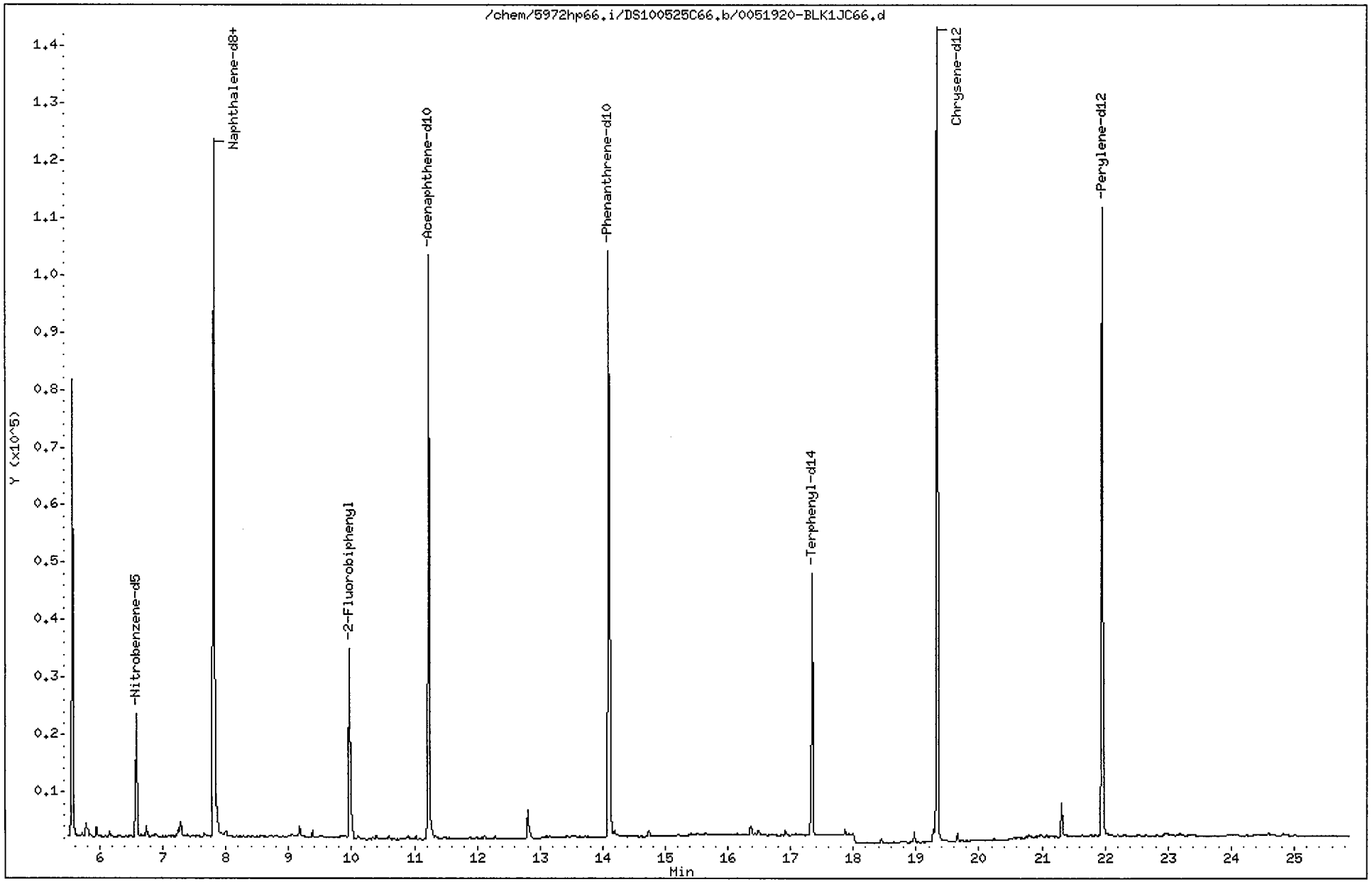
% Moisture: _____ decanted: (Y/N) ___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0051920-BLK1

Date Extracted: 05/20/10
Date Analyzed: 05/26/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	0.84	J
91-57-6	2-Methylnaphthalene	0.68	8.3	ND	U
208-96-8	Acenaphthylene	0.53	8.3	ND	U
83-32-9	Acenaphthene	0.60	8.3	ND	U
86-73-7	Fluorene	0.45	8.3	ND	U
85-01-8	Phenanthrene	1.3	8.3	ND	U
120-12-7	Anthracene	0.43	8.3	ND	U
206-44-0	Fluoranthene	1.3	8.3	ND	U
129-00-0	Pyrene	0.57	8.3	ND	U
56-55-3	Benzo(a)anthracene	0.57	8.3	ND	U
218-01-9	Chrysene	0.63	8.3	ND	U
205-99-2	Benzo(b)fluoranthene	0.57	8.3	ND	U
207-08-9	Benzo(k)fluoranthene	0.43	8.3	ND	U
50-32-8	Benzo(a)pyrene	0.38	8.3	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	ND	U
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp66.i/DS100525C66.b/0051920-BLK1JC66.d
Date : 26-MAY-2010 06:47
Client ID: SBLKBP
Instrument: 5972hp66.i
Sample Info: 0051920-BLK1:2743
Volume Injected (uL): 2.0
Operator: 2743
Column phase: Rtx-5MS
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100525C66.b/0051920-BLK1JC66.d
Report Date: 01-Jun-2010 18:06

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100525C66.b/0051920-BLK1JC66.d
Lab Smp Id: 0051920-BLK1 Client Smp ID: SBLKBP
Inj Date : 26-MAY-2010 06:47
Operator : 2743 Inst ID: 5972hp66.i
Smp Info : 0051920-BLK1:2743
Misc Info : SBLKBP
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100525C66.b/SIM_8270Cv2DOD.m
Meth Date : 01-Jun-2010 17:31 byrd Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
*	1 1,4-Dichlorobenzene-d4	152	5.571	5.560	(1.000)	45579	2.00000		(a)
*	2 Naphthalene-d8	136	7.813	7.802	(1.000)	161749	2.00000		(a)
*	3 Acenaphthene-d10	164	11.230	11.231	(1.000)	74966	2.00000		(a)
*	4 Phenanthrene-d10	188	14.101	14.101	(1.000)	141759	2.00000		(a)
*	5 Chrysene-d12	240	19.335	19.336	(1.000)	179070	2.00000		(a)
*	6 Perylene-d12	264	21.961	21.961	(1.000)	144331	2.00000		(a)
$	9 Nitrobenzene-d5	82	6.575	6.563	(0.841)	24388	0.67759	11	
$	10 2-Fluorobiphenyl	172	9.964	9.966	(0.887)	54448	0.69601	12	
$	12 Terphenyl-d14	244	17.347	17.347	(0.897)	55565	0.85401	14	
	13 Naphthalene	128	7.839	7.841	(1.003)	5027	0.05025	0.84	(a)
	15 2-Methylnaphthalene	141	Compound Not Detected.						
	17 Acenaphthylene	152	Compound Not Detected.						
	18 Acenaphthene	154	Compound Not Detected.						

6/1/10

Data File: /chem/5972hp66.i/DS100525C66.b/0051920-BLK1JC66.d
Report Date: 01-Jun-2010 18:06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /chem/5972hp66.i/DS100525C66.b/0051920-BLK1JC66.d

Date : 26-MAY-2010 06:47

Client ID: SBLKBP

Instrument: 5972hp66.i

Sample Info: 0051920-BLK1:2743

Volume Injected (uL): 2.0

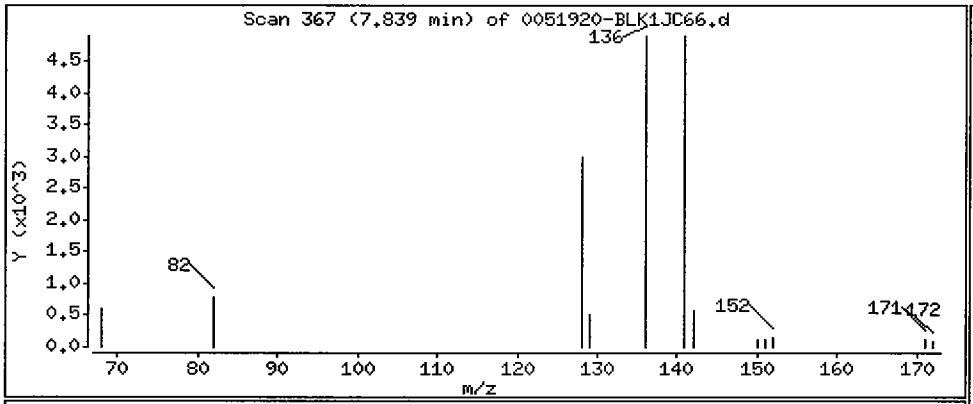
Operator: 2743

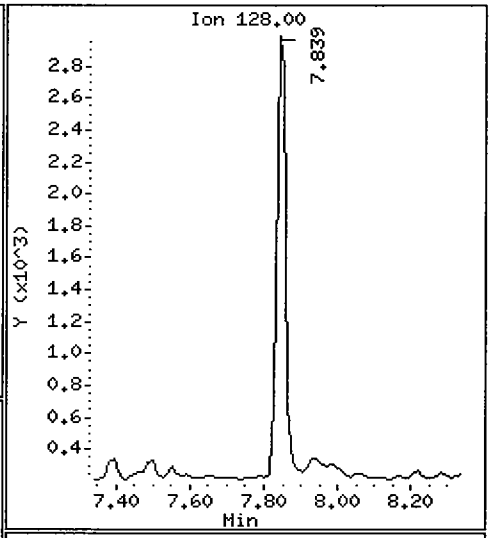
Column phase: Rtx-5MS

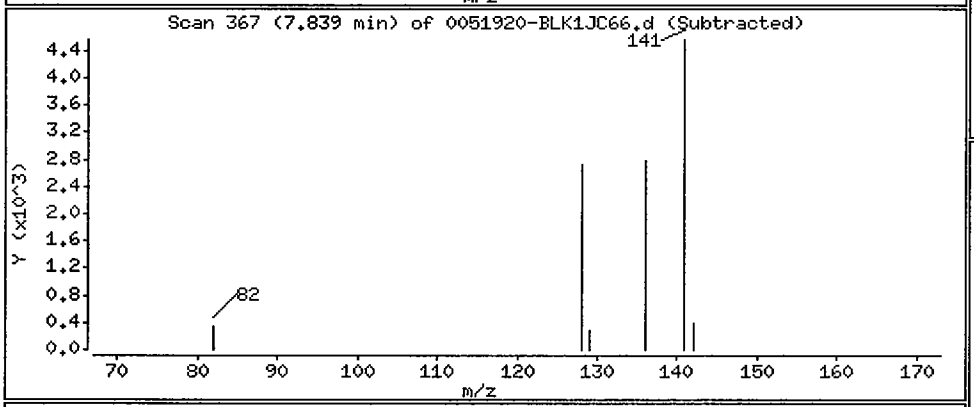
Column diameter: 0.32

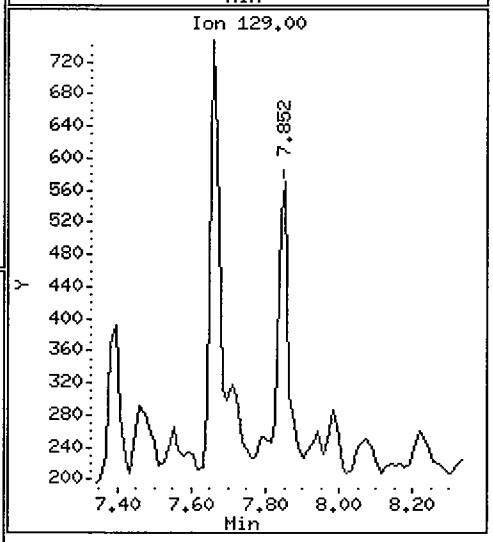
13 Naphthalene

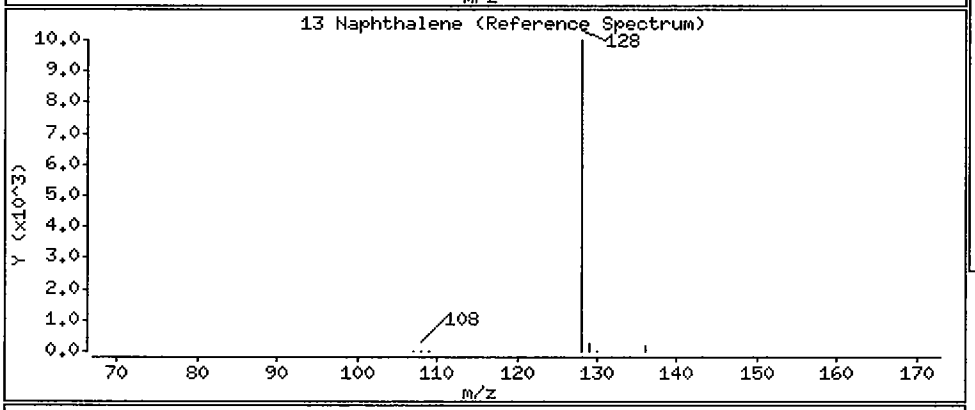
Concentration: 0.84 ug/Kg

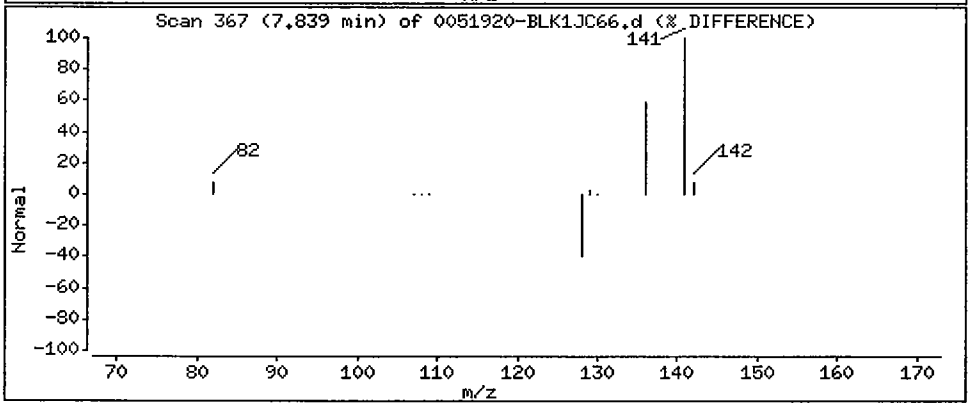












EXTRACTION WORKSHEET

Low Level Soil S-V Method 3550B for 8270C

ASSIGNED TO: T. Williams

CompuChem

DATE/TIME EXTRACTED: 5-20-10 @ 1320

EMP ID NUMBER: 1289

SIM 5-20-1

BATCH NO. 0051920

	COMPUCHEM SAMPLE NUMBER	CLIENT SAMPLE ID	QC SAMPLE TYPE	SAMPLE WEIGHT (g)	FINAL VOLUME (ml)	COMMENTS
1	0051920-BLK1	SBLKBP	MB	30.0	1.0	SAMPLES 1-26 ADDED 0.5ml DIL 393 LOT # 62929 F.V. 1.0ml
2	0051920-BS1	SBPLCS	LCS	30.0	1.0	SAMPLES 27 ADDED 0.5ml DIL 393 LOT # 0E2026 F.V. 1.0ml
3	0051920-BSD1	SBPLCSD	LCSD	30.0	1.0	GPC (3640A) PERFORMED Y (N)
4	0051920-MS1	SB85-1.5-2.5MS	MS1	30.0	1.0	
5	0051920-MS2	SS73-0-1MS	MS2	30.0	1.0	VB 5-20-10
6	0051920-MSD1	SB85-1.5-2.5MSD	MSD1	30.0	1.0	
7	0051920-MSD2	SS73-0-1MSD	MSD2	30.0	1.0	
8	1005132-01	SB85-1.5-2.5	SAMPLE	30.0	1.0	QC1
9	1005132-02	SB78-3.5-4.5	SAMPLE	30.0	1.0	
10	1005132-03	SS77-0-1	SAMPLE	30.0	1.0	
11	1005132-04	SB77-3.5-4.5	SAMPLE	30.0	1.0	
12	1005132-05	SS79-0-1	SAMPLE	30.0	1.0	
13	1005132-06	SB79-11-12	SAMPLE	30.0	1.0	
14	1005132-07	SS83-0-1	SAMPLE	30.0	1.0	
15	1005132-08	SB83-6.5-7.5	SAMPLE	30.0	1.0	VB 5-20-10
16	1005132-09	SS62-0-1	SAMPLE	30.0	1.0	
17	1005132-10	SS74-0-1	SAMPLE	30.0	1.0	
18	1005132-11	SS86-0-1	SAMPLE	30.0	1.0	
19	1005132-12	SB86-3-4	SAMPLE	30.0	1.0	
20	1005132-13	SS84-0-1	SAMPLE	30.0	1.0	
21	1005132-14	SB84-6-7	SAMPLE	30.0	1.0	
22	1005133-01	SS73-0-1	SAMPLE	30.0	1.0	QC2
23	1005134-01	SS02-0-1	SAMPLE	30.0	1.0	
24	1005134-02	SS02D-0-1	SAMPLE	30.0	1.0	
25	1005134-03	SB02-5-6	SAMPLE	30.0	1.0	VB 5-20-10
26	1005134-04	SB02D-5-6	SAMPLE	30.0	1.0	
27	1005134-05	SB05-7-8	SAMPLE	30.0	1.0	

SURR/QC Add	NO.	DIL. 393	
	AMT.	0.5 ml	
	LOT	SEE COMMENTS	
SPIKE	NO.		SIM VALID. SPK
	AMT.		0.5 mL
	LOT		082109-03

FINAL VOLUME VERIFIED:

REVIEWED BY:

SURROGATE & SPIKE ADDED BY: TMW, 5-20-10 (Initials Date)

Witness SB, 5-20-10 (Initials Date)

Analyst initials. Extracted TMW KD VB N2 VB/TMW Bottle up VB/TMW

Balance ID: SARTORIUS-BL310

Manufacturer and lot number of reagents/solvents used: 50/50 CH_2Cl_2/CH_3COCH_3-2XXB-6A9-3, Na_2SO_4-2XXB-6A9-Z, CH_2Cl_2-J17300

12/29/09: RM

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SBLKCG

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0052409-BLK1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0052409-BLK1C66
Analyst: 2743

% Moisture: _____ decanted: (Y/N) ___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK1

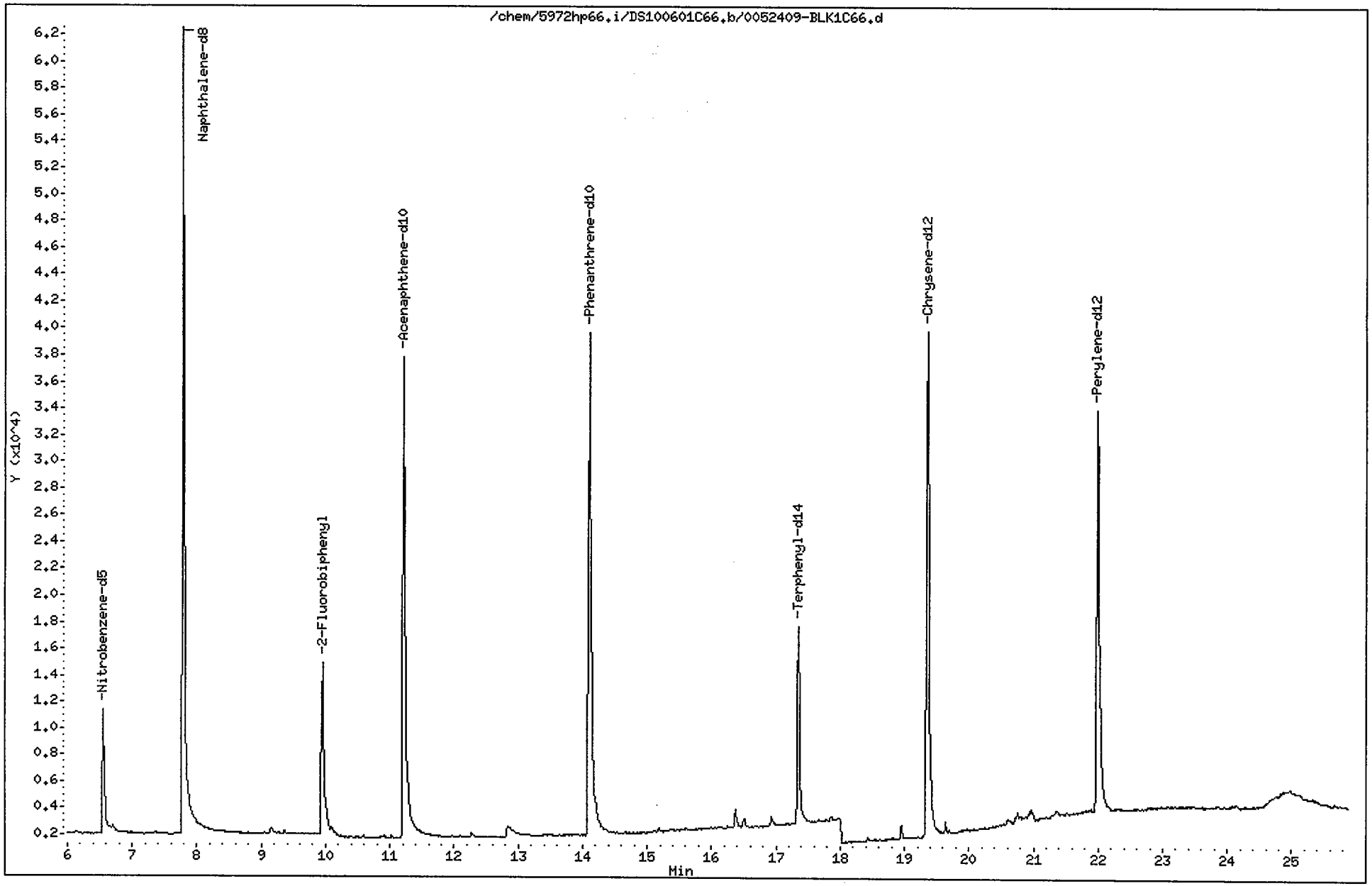
Date Extracted: 05/24/10
Date Analyzed: 06/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	ND	U
91-57-6	2-Methylnaphthalene	0.68	8.3	ND	U
208-96-8	Acenaphthylene	0.53	8.3	ND	U
83-32-9	Acenaphthene	0.60	8.3	ND	U
86-73-7	Fluorene	0.45	8.3	ND	U
85-01-8	Phenanthrene	1.3	8.3	ND	U
120-12-7	Anthracene	0.43	8.3	ND	U
206-44-0	Fluoranthene	1.3	8.3	ND	U
129-00-0	Pyrene	0.57	8.3	ND	U
56-55-3	Benzo(a)anthracene	0.57	8.3	ND	U
218-01-9	Chrysene	0.63	8.3	ND	U
205-99-2	Benzo(b)fluoranthene	0.57	8.3	ND	U
207-08-9	Benzo(k)fluoranthene	0.43	8.3	ND	U
50-32-8	Benzo(a)pyrene	0.38	8.3	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	ND	U
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp66.i/DS100601C66.b/0052409-BLK1C66.d
Date : 02-JUN-2010 06:49
Client ID: SBLKCG
Sample Info: 0052409-BLK1:2743
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: 2743
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100601C66.b/0052409-BLK1C66.d
Report Date: 07-Jun-2010 11:48

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100601C66.b/0052409-BLK1C66.d
Lab Smp Id: 0052409-BLK1 Client Smp ID: SBLKCG
Inj Date : 02-JUN-2010 06:49
Operator : 2743 Inst ID: 5972hp66.i
Smp Info : 0052409-BLK1:2743
Misc Info : SBLKCG
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100601C66.b/SIM_8270Cv2DOD.m
Meth Date : 07-Jun-2010 10:54 mead Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 12 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)	
*	1 1,4-Dichlorobenzene-d4	152	5.544	5.534	(1.000)	40072	2.00000		(a)
*	2 Naphthalene-d8	136	7.786	7.789	(1.000)	115437	2.00000		(a)
*	3 Acenaphthene-d10	164	11.217	11.205	(1.000)	52996	2.00000		(a)
*	4 Phenanthrene-d10	188	14.101	14.100	(1.000)	94129	2.00000		(a)
*	5 Chrysene-d12	240	19.353	19.354	(1.000)	81270	2.00000		(a)
*	6 Perylene-d12	264	21.994	21.994	(1.000)	69945	2.00000		(a)
$	9 Nitrobenzene-d5	82	6.548	6.537	(0.841)	15577	0.60642	10	
$	10 2-Fluorobiphenyl	172	9.950	9.940	(0.887)	28858	0.52182	8.7	
$	12 Terphenyl-d14	244	17.347	17.346	(0.896)	26251	0.88900	15	
	13 Naphthalene	128	Compound Not Detected.						
	15 2-Methylnaphthalene	141	Compound Not Detected.						
	17 Acenaphthylene	152	Compound Not Detected.						
	18 Acenaphthene	154	Compound Not Detected.						

PW 6/8/10

Data File: /chem/5972hp66.i/DS100601C66.b/0052409-BLK1C66.d
Report Date: 07-Jun-2010 11:48

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

EXTRACTION WORKSHEET

Low Level Soil S-V Method 3550B for 8270C

ASSIGNED TO: T. Williams

CompuChem

DATE/TIME EXTRACTED: 5-24-10 1315

EMP ID NUMBER: 1289

176 SIM 5-24-3

BATCH NO. 0052409

554

	COMPUCHEM SAMPLE NUMBER	CLIENT SAMPLE ID	QC SAMPLE TYPE	SAMPLE WEIGHT (g)	FINAL VOLUME (ml)	COMMENTS
1	0052409-BLK1	SBLKCG	MB	30.0	1.0	5-24-10
2	0052409-BS1	SCGLCS	LCS	30.0		5-24-10
3	0052409-BSD1	SCGLCSD	LCSD	30.0		GPC (3640A) PERFORMED Y / N
4	1005133-02	SB74-4-5	SAMPLE	30.0		
5	1005133-03	SS75-0-1	SAMPLE	30.0		
6	1005133-04	SB75-3.5-4.5	SAMPLE	30.0		
7	1005133-05	SS63-0-1	SAMPLE	30.0		
8	1005133-06	SB63-5.5-6.5	SAMPLE	30.0		
9	1005133-07	SS61-0-1	SAMPLE	30.0		
10	1005133-08	SS61D-0-1	SAMPLE	30.0		
11	1005133-09	SB61-6-7	SAMPLE	30.0		
12	1005133-10	SB61D-6-7	SAMPLE	30.0		
13	1005133-11	SS67-0-1	SAMPLE	30.0		
14	1005133-12	SS72-0-1	SAMPLE	30.0		
15	1005133-13	SB72-2-3	SAMPLE	30.0		
16	1005133-14	SS88-0-1	SAMPLE	30.0		
17	1005133-15	SB88-2.5-3.5	SAMPLE	30.0		
18	1005133-16	SS76-0-1	SAMPLE	30.0		
19	1005133-17	SB76-6-7	SAMPLE	30.0		
20	1005133-18	SS87-0-1	SAMPLE	30.0		
21	1005133-19	SB87-3-4	SAMPLE	30.0		
22	1005133-20	SS68-0-1	SAMPLE	30.0	1.0	
23						
24						
25						
26						

5-24-10

5-24-10

		S-VOL	Others
SURROGATE	NO.	DIL. 393	
	AMT.	0.5 ml	
	LOT	0E20026	
SPIKE	NO.		SIM VALID. SPK
	AMT.		0.5 mL
	LOT		082109-03

FINAL VOLUME VERIFIED:

REVIEWED BY: B. Patton

SURROGATE & SPIKE ADDED BY: TMW, 5-24-10
Initials Date

Witness: AJL, 5-24-10
Initials Date

Analyst initials. Extracted TMW KD BFP N2 AJL/BFP Bottle up AJL

Balance ID: SARTORIUS-BL310

Manufacturer and lot number of reagents/solvents used 50/50 CH_2Cl_2/CH_3COCH_3-2XB-650-1, Na_2SO_4-2XB-650-1, CH_2Cl_2-J17501

12/29/09: RM

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SBLKGC

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0052409-BLK2
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0052409-BLK1JA70
Analyst: OWS

% Moisture: _____ decanted: (Y/N) ___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK2

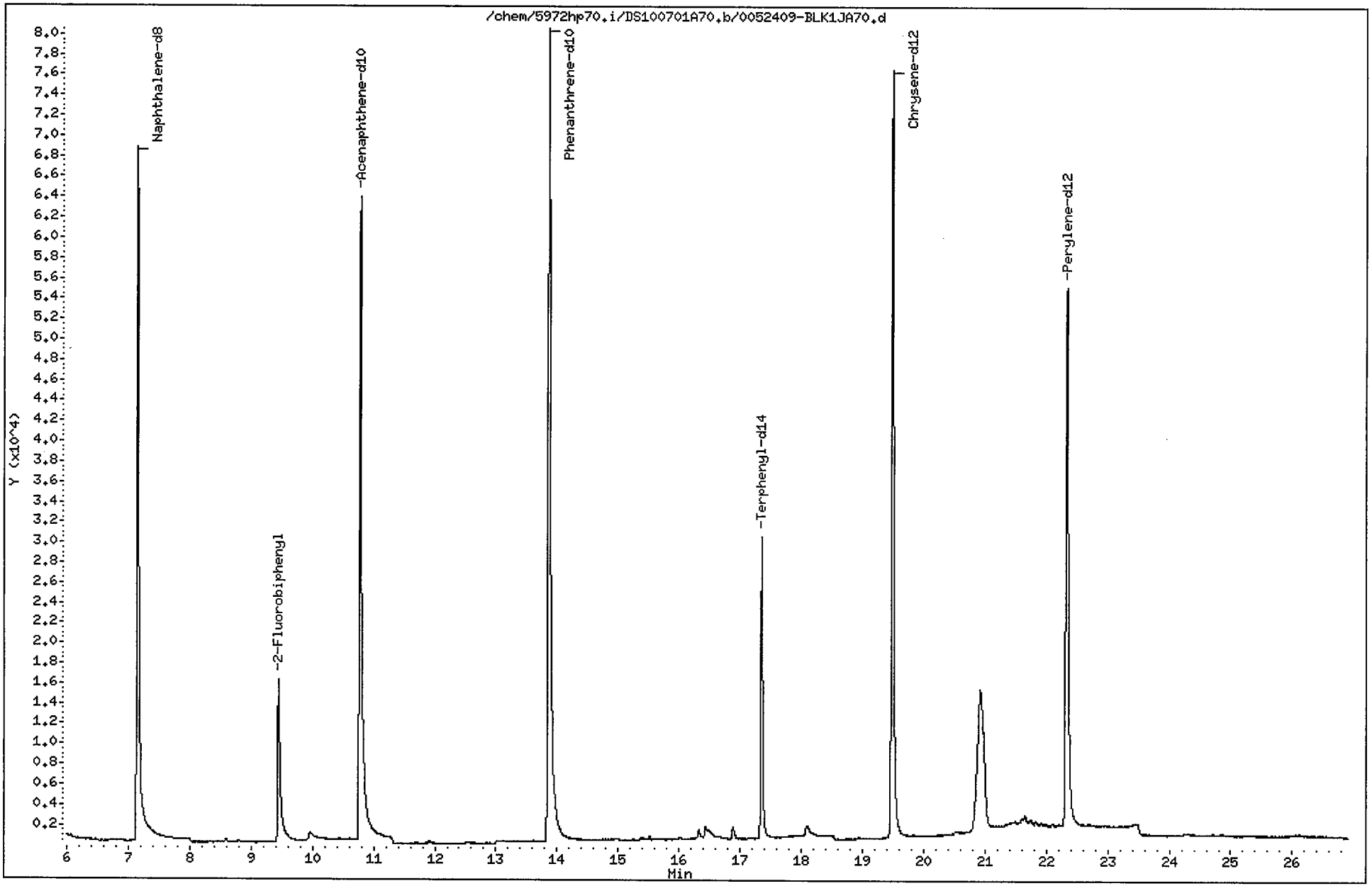
Date Extracted: 05/24/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	ND	U
91-57-6	2-Methylnaphthalene	0.68	8.3	ND	U
208-96-8	Acenaphthylene	0.53	8.3	ND	U
83-32-9	Acenaphthene	0.60	8.3	ND	U
86-73-7	Fluorene	0.45	8.3	ND	U
85-01-8	Phenanthrene	1.3	8.3	ND	U
120-12-7	Anthracene	0.43	8.3	ND	U
206-44-0	Fluoranthene	1.3	8.3	ND	U
129-00-0	Pyrene	0.57	8.3	ND	U
56-55-3	Benzo(a)anthracene	0.57	8.3	ND	U
218-01-9	Chrysene	0.63	8.3	ND	U
205-99-2	Benzo(b)fluoranthene	0.57	8.3	ND	U
207-08-9	Benzo(k)fluoranthene	0.43	8.3	ND	U
50-32-8	Benzo(a)pyrene	0.38	8.3	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	ND	U
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp70.i/DS100701A70.b/0052409-BLK1JA70.d
Date : 01-JUL-2010 15:01
Client ID: SBLKGC
Sample Info: 0052409-BLK1:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701A70.b/0052409-BLK1JA70.d
Report Date: 02-Jul-2010 14:52

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701A70.b/0052409-BLK1JA70.d
Lab Smp Id: 0052409-BLK1 2 07/1/10 Client Smp ID: SBLKGC
Inj Date : 01-JUL-2010 15:01
Operator : OWS Inst ID: 5972hp70.i
Smp Info : 0052409-BLK1:OWS
Misc Info : SBLKGC
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701A70.b/SIM_8270Cv3DOD.m
Meth Date : 02-Jul-2010 13:19 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 7 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)	
* 1 1,4-Dichlorobenzene-d4	152	4.849	4.820	(1.000)	36610	2.00000		(a)
* 2 Naphthalene-d8	136	7.146	7.130	(1.000)	138980	2.00000		(a)
* 3 Acenaphthene-d10	164	10.776	10.763	(1.000)	91295	2.00000		(a)
* 4 Phenanthrene-d10	188	13.858	13.846	(1.000)	178265	2.00000		(a)
* 5 Chrysene-d12	240	19.485	19.476	(1.000)	137015	2.00000		(a)
* 6 Perylene-d12	264	22.331	22.314	(1.000)	130070	2.00000		(a)
$ 9 Nitrobenzene-d5	82	5.877	5.856	(0.822)	25725	0.57199	9.5	
$ 10 2-Fluorobiphenyl	172	9.446	9.432	(0.877)	36886	0.58624	9.8	
$ 12 Terphenyl-d14	244	17.349	17.343	(0.890)	46694	0.95740	16	
13 Naphthalene	128	Compound Not Detected.						
15 2-Methylnaphthalene	141	Compound Not Detected.						
17 Acenaphthylene	152	Compound Not Detected.						
18 Acenaphthene	154	Compound Not Detected.						

07/2/10

Data File: /chem/5972hp70.i/DS100701A70.b/0052409-BLK1JA70.d
Report Date: 02-Jul-2010 14:52

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

EXTRACTION WORKSHEET

Low Level Soil S-V Method 3550B for 8270C

ASSIGNED TO: T. Williams

CompuChem

DATE/TIME EXTRACTED: 5-24-10 1315

EMP ID NUMBER: 1289

176 SIM 5-24-3

BATCH NO. 0052409

	COMPUCHEM NUMBER	CLIENT SAMPLE ID	QC SAMPLE TYPE	SAMPLE WEIGHT (g)	FINAL VOLUME (ml)	COMMENTS
1	0052409-BLK1	SBLKCG	MB	30.0	1.0	5-24-10
2	0052409-BS1	SCGLCS	LCS	30.0		5-24-10
3	0052409-BSD1	SCGLCSD	LCSD	30.0		GPC (3640A) PERFORMED Y / N
4	1005133-02	SB74-4-5	SAMPLE	30.0		
5	1005133-03	SS75-0-1	SAMPLE	30.0		
6	1005133-04	SB75-3.5-4.5	SAMPLE	30.0		
7	1005133-05	SS63-0-1	SAMPLE	30.0		
8	1005133-06	SB63-5.5-6.5	SAMPLE	30.0		
9	1005133-07	SS61-0-1	SAMPLE	30.0		
10	1005133-08	SS61D-0-1	SAMPLE	30.0		
11	1005133-09	SB61-6-7	SAMPLE	30.0		
12	1005133-10	SB61D-6-7	SAMPLE	30.0		
13	1005133-11	SS67-0-1	SAMPLE	30.0		
14	1005133-12	SS72-0-1	SAMPLE	30.0		
15	1005133-13	SB72-2-3	SAMPLE	30.0		
16	1005133-14	SS88-0-1	SAMPLE	30.0		
17	1005133-15	SB88-2.5-3.5	SAMPLE	30.0		
18	1005133-16	SS76-0-1	SAMPLE	30.0		
19	1005133-17	SB76-6-7	SAMPLE	30.0		
20	1005133-18	SS87-0-1	SAMPLE	30.0		
21	1005133-19	SB87-3-4	SAMPLE	30.0		
22	1005133-20	SS68-0-1	SAMPLE	30.0	1.0	
23						
24				5-24-10		
25						
26						

		S-VOL	Others
SURROGATE	NO.	DIL. 393	
	AMT.	0.5 ml	
	LOT	0E20026	
SPIKE	NO.		SIM VALID. SPK
	AMT.		0.5 mL
	LOT		082109-03

FINAL VOLUME VERIFIED:

REVIEWED BY: B. Patton

SURROGATE & SPIKE ADDED BY: TMW, 5-24-10 (Initials Date)

Witness AJL, 5-24-10 (Initials Date)

Analyst initials. Extracted TMW KD BFP N2 AJL/BFP Bottle up AJL

Balance ID: SARTORIUS-BL310

Manufacturer and lot number of reagents/solvents used 50/50 CH_2Cl_2/CH_3COCH_3-ZXB-650-1, Na_2SO_4-ZXB-650-1, CH_2Cl_2-J17501

12/29/09: RM

c. Laboratory Control Sample Data

Arranged in chronological order, by extraction date.

- Tabulated Results (Form I SV)

- Chromatogram and quantitation report

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SBPLCS

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0051920-BS1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0051920-BS1JC66
Analyst: 2743

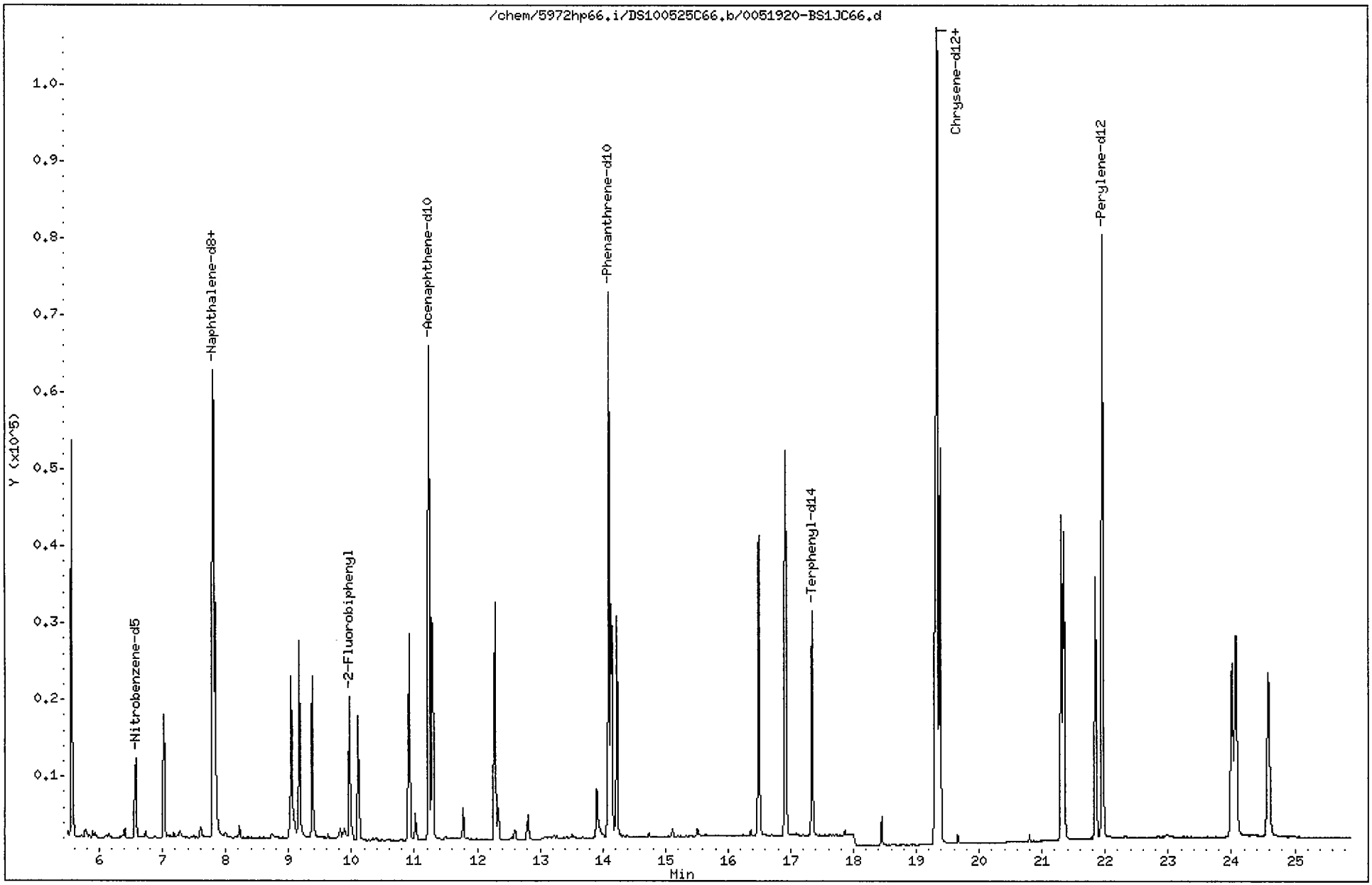
% Moisture: 0 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0051920-BLK1

Date Extracted: 05/20/10
Date Analyzed: 05/26/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	10	B
91-57-6	2-Methylnaphthalene	0.68	8.3	9.3	
208-96-8	Acenaphthylene	0.53	8.3	10	
83-32-9	Acenaphthene	0.60	8.3	10	
86-73-7	Fluorene	0.45	8.3	8.6	
85-01-8	Phenanthrene	1.3	8.3	12	
120-12-7	Anthracene	0.43	8.3	11	
206-44-0	Fluoranthene	1.3	8.3	11	
129-00-0	Pyrene	0.57	8.3	11	
56-55-3	Benzo(a)anthracene	0.57	8.3	14	
218-01-9	Chrysene	0.63	8.3	13	
205-99-2	Benzo(b)fluoranthene	0.57	8.3	13	
207-08-9	Benzo(k)fluoranthene	0.43	8.3	13	
50-32-8	Benzo(a)pyrene	0.38	8.3	11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	11	
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	11	
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	9.7	

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp66.i/DS100525C66.b/0051920-BS1JC66.d
Date : 26-MAY-2010 07:21
Client ID: SBPLCS
Instrument: 5972hp66.i
Sample Info: 0051920-BS1:2743
Volume Injected (uL): 2.0
Operator: 2743
Column phase: Rtx-5MS
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100525C66.b/0051920-BS1JC66.d
Report Date: 06-Jul-2010 11:52

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100525C66.b/0051920-BS1JC66.d
Lab Smp Id: 0051920-BS1 Client Smp ID: SBPLCS
Inj Date : 26-MAY-2010 07:21
Operator : 2743 Inst ID: 5972hp66.i
Smp Info : 0051920-BS1:2743
Misc Info : SBPLCS
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100525C66.b/SIM_8270Cv2DOD.m
Meth Date : 06-Jul-2010 11:34 parikh Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50
Processing Host: einstein

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)	
* 1 1,4-Dichlorobenzene-d4	152	5.560	5.560	(1.000)	27317	2.00000		(a)
* 2 Naphthalene-d8	136	7.802	7.802	(1.000)	94276	2.00000		(a)
* 3 Acenaphthene-d10	164	11.230	11.231	(1.000)	45876	2.00000		(a)
* 4 Phenanthrene-d10	188	14.100	14.101	(1.000)	96377	2.00000		(a)
* 5 Chrysene-d12	240	19.336	19.336	(1.000)	140645	2.00000		(a)
* 6 Perylene-d12	264	21.960	21.961	(1.000)	109682	2.00000		(a)
$ 9 Nitrobenzene-d5	82	6.577	6.563	(0.843)	12050	0.57441	9.6	
$ 10 2-Fluorobiphenyl	172	9.966	9.966	(0.887)	27063	0.56531	9.4	
$ 12 Terphenyl-d14	244	17.347	17.347	(0.897)	36985	0.72374	12	
13 Naphthalene	128	7.841	7.841	(1.005)	35826	0.61436	10	
15 2-Methylnaphthalene	141	9.171	9.170	(0.817)	18306	0.55734	9.3	
17 Acenaphthylene	152	10.917	10.918	(0.972)	31460	0.61392	10	

SDF 07/06/10

Data File: /chem/5972hp66.i/DS100525C66.b/0051920-BS1JC66.d
Report Date: 06-Jul-2010 11:52

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
18 Acenaphthene	154	11.295	11.283	(1.006)	18808	0.62643	10
21 Fluorene	166	12.285	12.273	(0.871)	23150	0.51324	8.6
25 Phenanthrene	178	14.139	14.140	(1.003)	42155	0.70145	12
26 Anthracene	178	14.231	14.231	(1.009)	35755	0.66144	11
27 Fluoranthene	202	16.499	16.500	(0.853)	60149	0.64496	11
28 Pyrene	202	16.916	16.917	(0.875)	66709	0.65683	11
29 Benzo(a)anthracene	228	19.301	19.301	(0.998)	63123	0.82562	14
30 Chrysene	228	19.380	19.379	(1.002)	63963	0.77240	13
31 Benzo(b)fluoranthene	252	21.307	21.308	(0.970)	58327	0.80636	13
32 Benzo(k)fluoranthene	252	21.351	21.352	(0.972)	59320	0.76207	13
33 Benzo(a)pyrene	252	21.851	21.853	(0.995)	44520	0.68298	11
34 Indeno(1,2,3-cd)pyrene	276	24.007	24.008	(1.093)	37179	0.64651	11
35 Dibenzo(a,h)anthracene	278	24.072	24.073	(1.096)	36162	0.63569	11
36 Benzo(g,h,i)perylene	276	24.583	24.595	(1.119)	37081	0.58176	9.7

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SBPLCSD

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0051920-BSD1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0051920-BSD1A66
Analyst: 2730

% Moisture: 0 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0051920-BLK1

Date Extracted: 05/20/10
Date Analyzed: 05/26/10
Dilution Factor: 1.0

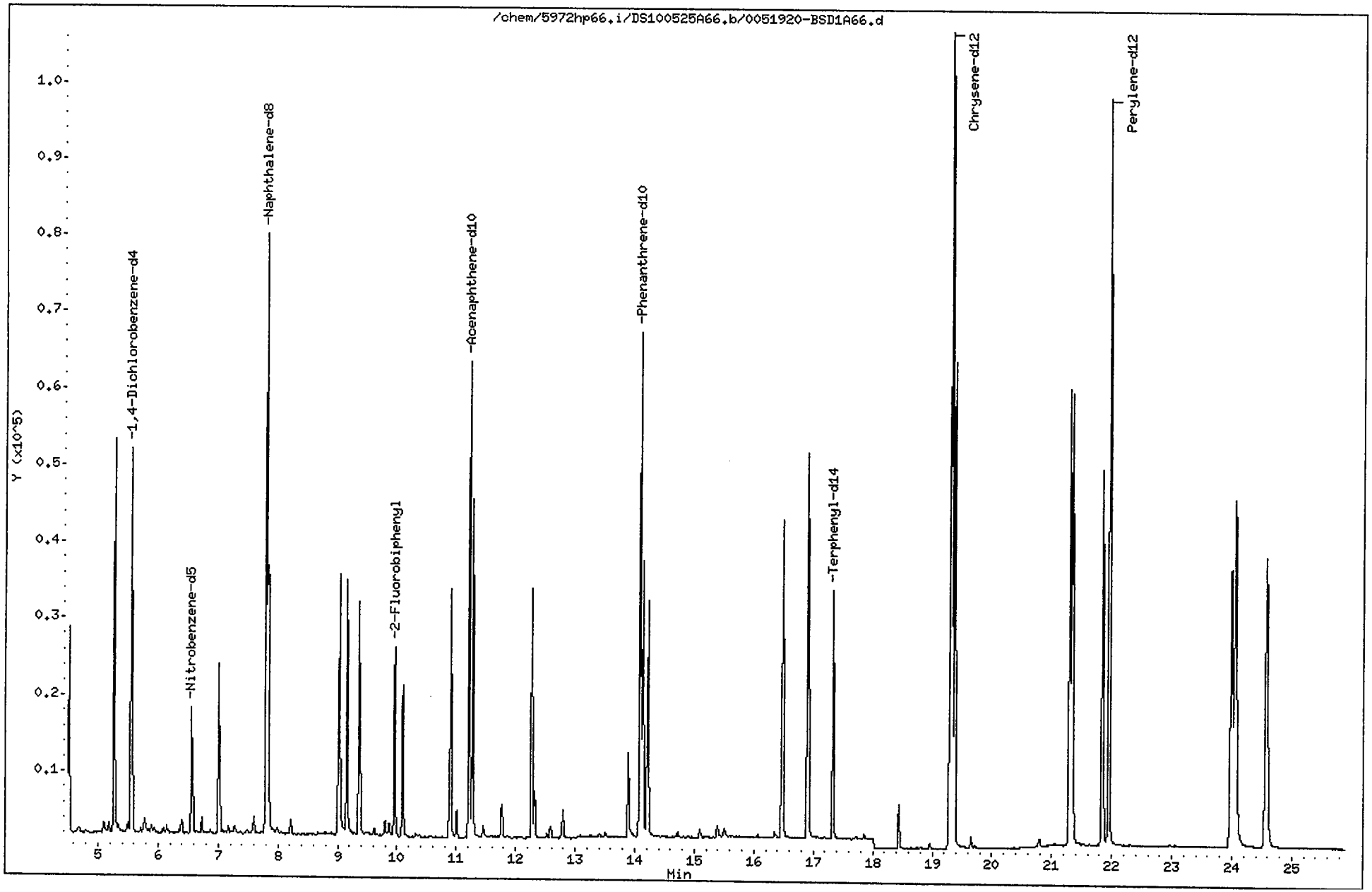
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	13	B
91-57-6	2-Methylnaphthalene	0.68	8.3	12	
208-96-8	Acenaphthylene	0.53	8.3	12	
83-32-9	Acenaphthene	0.60	8.3	13	
86-73-7	Fluorene	0.45	8.3	12	
85-01-8	Phenanthrene	1.3	8.3	15	
120-12-7	Anthracene	0.43	8.3	13	
206-44-0	Fluoranthene	1.3	8.3	11	
129-00-0	Pyrene	0.57	8.3	12	
56-55-3	Benzo(a)anthracene	0.57	8.3	16	
218-01-9	Chrysene	0.63	8.3	16	
205-99-2	Benzo(b)fluoranthene	0.57	8.3	16	
207-08-9	Benzo(k)fluoranthene	0.43	8.3	16	
50-32-8	Benzo(a)pyrene	0.38	8.3	14	
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	15	
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	15	
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	14	

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp66.i/DS100525A66.b/0051920-BSD1A66.d
Date : 26-MAY-2010 00:05
Client ID: SBPLCSD
Sample Info: 0051920-BSD1:2730
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: 2730
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100525A66.b/0051920-BSD1A66.d
Report Date: 03-Jun-2010 12:30

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100525A66.b/0051920-BSD1A66.d
Lab Smp Id: 0051920-BSD1 Client Smp ID: SBPLCSD
Inj Date : 26-MAY-2010 00:05
Operator : 2730 Inst ID: 5972hp66.i
Smp Info : 0051920-BSD1:2730
Misc Info : SBPLCSD
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100525A66.b/SIM_8270Cv2DOD.m
Meth Date : 03-Jun-2010 10:56 henning Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 7 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL) (1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)	
*	1 1,4-Dichlorobenzene-d4	152	5.556	5.548	(1.000)	28030	2.00000		(a)
*	2 Naphthalene-d8	136	7.798	7.803	(1.000)	100906	2.00000		(a)
*	3 Acenaphthene-d10	164	11.218	11.218	(1.000)	46346	2.00000		(a)
*	4 Phenanthrene-d10	188	14.087	14.086	(1.000)	86084	2.00000		(a)
*	5 Chrysene-d12	240	19.319	19.327	(1.000)	137416	2.00000		(a)
*	6 Perylene-d12	264	21.951	21.951	(1.000)	131639	2.00000		(a)
$	9 Nitrobenzene-d5	82	6.560	6.565	(0.841)	16495	0.73463	12	
$	10 2-Fluorobiphenyl	172	9.962	9.967	(0.888)	26952	0.55729	9.3	
$	12 Terphenyl-d14	244	17.333	17.333	(0.897)	38752	0.77614	13	
	13 Naphthalene	128	7.825	7.829	(1.003)	50208	0.80442	13	
	15 2-Methylnaphthalene	141	9.154	9.159	(0.816)	24396	0.73522	12	
	17 Acenaphthylene	152	10.905	10.905	(0.972)	37540	0.72514	12	
	18 Acenaphthene	154	11.270	11.283	(1.005)	23567	0.77697	13	

Data File: /chem/5972hp66.i/DS100525A66.b/0051920-BSD1A66.d
Report Date: 03-Jun-2010 12:30

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	12.274	12.273	(0.871)	28344	0.70353	12
25 Phenanthrene	178	14.126	14.139	(1.003)	47718	0.88896	15
26 Anthracene	178	14.217	14.217	(1.009)	38624	0.79995	13
27 Fluoranthene	202	16.486	16.485	(0.853)	61602	0.67606	11
28 Pyrene	202	16.903	16.916	(0.875)	68840	0.69374	12
29 Benzo(a)anthracene	228	19.292	19.292	(0.999)	72839	0.97509	16
30 Chrysene	228	19.371	19.370	(1.003)	79911	0.98766	16
31 Benzo(b)fluoranthene	252	21.298	21.298	(0.970)	81971	0.94421	16
32 Benzo(k)fluoranthene	252	21.341	21.341	(0.972)	87522	0.93683	16
33 Benzo(a)pyrene	252	21.842	21.842	(0.995)	65377	0.83566	14
34 Indeno(1,2,3-cd)pyrene	276	23.997	23.997	(1.093)	61573	0.89211	15
35 Dibenzo(a,h)anthracene	278	24.062	24.062	(1.096)	60653	0.88838	15
36 Benzo(g,h,i)perylene	276	24.574	24.585	(1.119)	66144	0.86464	14

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SCGLCS

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0052409-BS1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0052409-BS1JC66
Analyst: 2743

% Moisture: 0 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK1

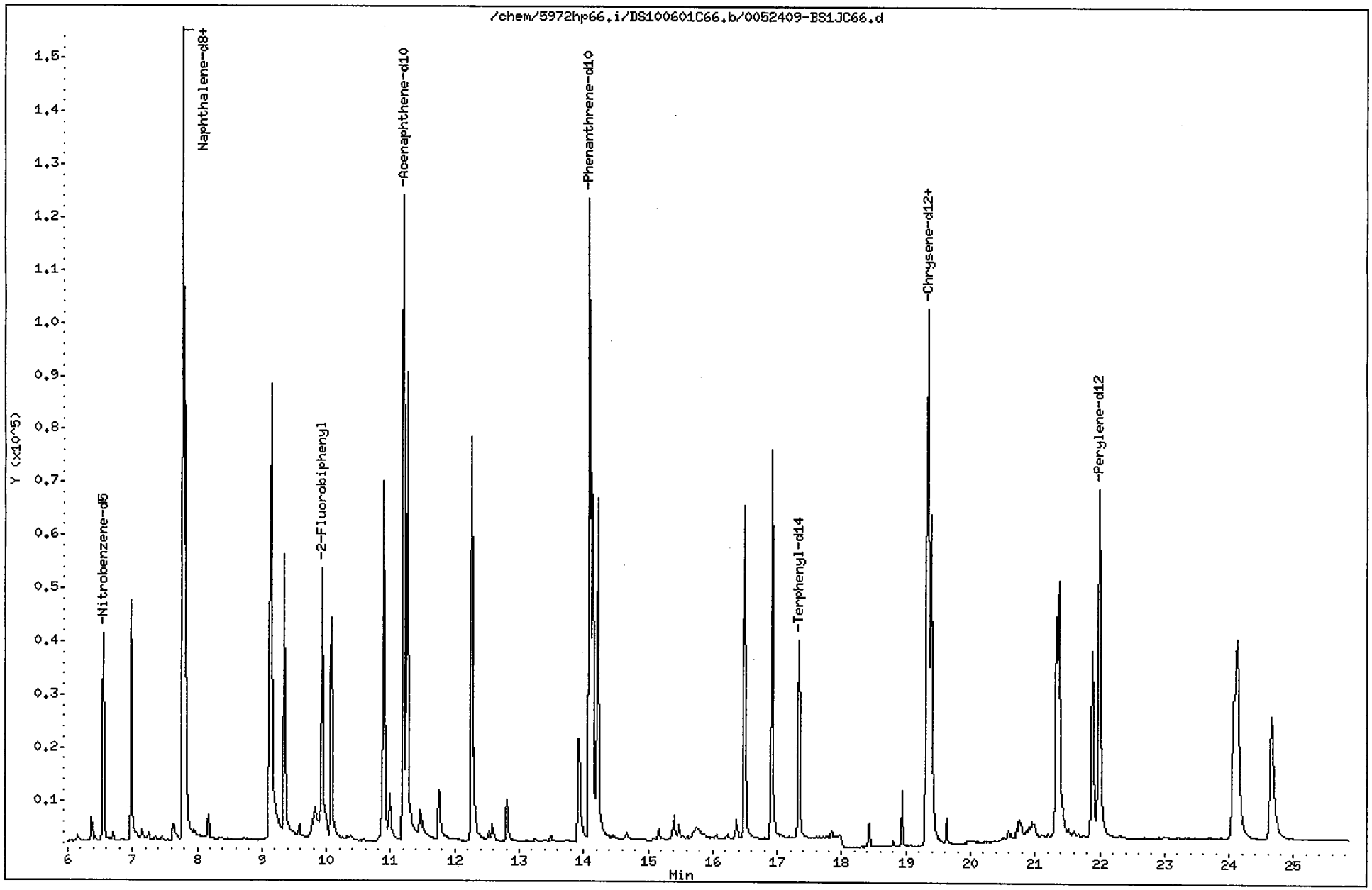
Date Extracted: 05/24/10
Date Analyzed: 06/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	13	
91-57-6	2-Methylnaphthalene	0.68	8.3	14	
208-96-8	Acenaphthylene	0.53	8.3	13	
83-32-9	Acenaphthene	0.60	8.3	13	
86-73-7	Fluorene	0.45	8.3	13	
85-01-8	Phenanthrene	1.3	8.3	14	
120-12-7	Anthracene	0.43	8.3	17	
206-44-0	Fluoranthene	1.3	8.3	16	
129-00-0	Pyrene	0.57	8.3	15	
56-55-3	Benzo(a)anthracene	0.57	8.3	15	
218-01-9	Chrysene	0.63	8.3	16	
205-99-2	Benzo(b)fluoranthene	0.57	8.3	13	
207-08-9	Benzo(k)fluoranthene	0.43	8.3	18	
50-32-8	Benzo(a)pyrene	0.38	8.3	15	
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	12	
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	14	
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	13	

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp66.i/DS100601C66.b/0052409-BS1JC66.d
Date : 02-JUN-2010 09:05
Client ID: SCGLCS
Sample Info: 0052409-BS1:2743
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: 2743
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100601C66.b/0052409-BS1JC66.d
Report Date: 08-Jun-2010 14:52

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100601C66.b/0052409-BS1JC66.d
Lab Smp Id: 0052409-BS1 Client Smp ID: SCGLCS
Inj Date : 02-JUN-2010 09:05
Operator : 2743 Inst ID: 5972hp66.i
Smp Info : 0052409-BS1:2743
Misc Info : SCGLCS
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100601C66.b/SIM_8270Cv2DOD.m
Meth Date : 07-Jun-2010 10:54 mead Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 15 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50
Processing Host: einstein

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	5.545	5.534	(1.000)	70448	2.00000	(a)
* 2 Naphthalene-d8	136	7.787	7.789	(1.000)	236680	2.00000	(a)
* 3 Acenaphthene-d10	164	11.204	11.205	(1.000)	111598	2.00000	(a)
* 4 Phenanthrene-d10	188	14.088	14.100	(1.000)	196645	2.00000	(a)
* 5 Chrysene-d12	240	19.344	19.354	(1.000)	170421	2.00000	(a)
* 6 Perylene-d12	264	21.994	21.994	(1.000)	142314	2.00000	(a)
$ 9 Nitrobenzene-d5	82	6.548	6.537	(0.841)	44640	0.84761	14
$ 10 2-Fluorobiphenyl	172	9.937	9.940	(0.887)	64592	0.55465	9.2
$ 12 Terphenyl-d14	244	17.334	17.346	(0.896)	53553	0.86486	14
13 Naphthalene	128	7.813	7.815	(1.003)	111313	0.76035	13
15 2-Methylnaphthalene	141	9.142	9.144	(0.816)	66062	0.82681	14
17 Acenaphthylene	152	10.892	10.905	(0.972)	97834	0.78482	13

6/8/10

Data File: /chem/5972hp66.i/DS100601C66.b/0052409-BS1JC66.d
Report Date: 08-Jun-2010 14:52

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
18 Acenaphthene	154	11.256	11.270	(1.005)	54821	0.75059	13
21 Fluorene	166	12.260	12.274	(0.870)	69142	0.75128	13
25 Phenanthrene	178	14.127	14.139	(1.003)	101401	0.82695	14
26 Anthracene	178	14.218	14.230	(1.009)	110131	0.99851	17
27 Fluoranthene	202	16.500	16.499	(0.853)	106756	0.94471	16
28 Pyrene	202	16.917	16.929	(0.875)	110787	0.90024	15
29 Benzo(a)anthracene	228	19.309	19.319	(0.998)	86003	0.92834	15
30 Chrysene	228	19.388	19.397	(1.002)	98631	0.98294	16
31 Benzo(b)fluoranthene	252	21.330	21.330	(0.970)	71960	0.76672	13
32 Benzo(k)fluoranthene	252	21.373	21.374	(0.972)	106530	1.05475	18
33 Benzo(a)pyrene	252	21.885	21.885	(0.995)	74575	0.88173	15
34 Indeno(1,2,3-cd)pyrene	276	24.073	24.073	(1.095)	55130	0.73885	12(M)
35 Dibenzo(a,h)anthracene	278	24.127	24.127	(1.097)	63232	0.85668	14
36 Benzo(g,h,i)perylene	276	24.660	24.661	(1.121)	65969	0.79767	13

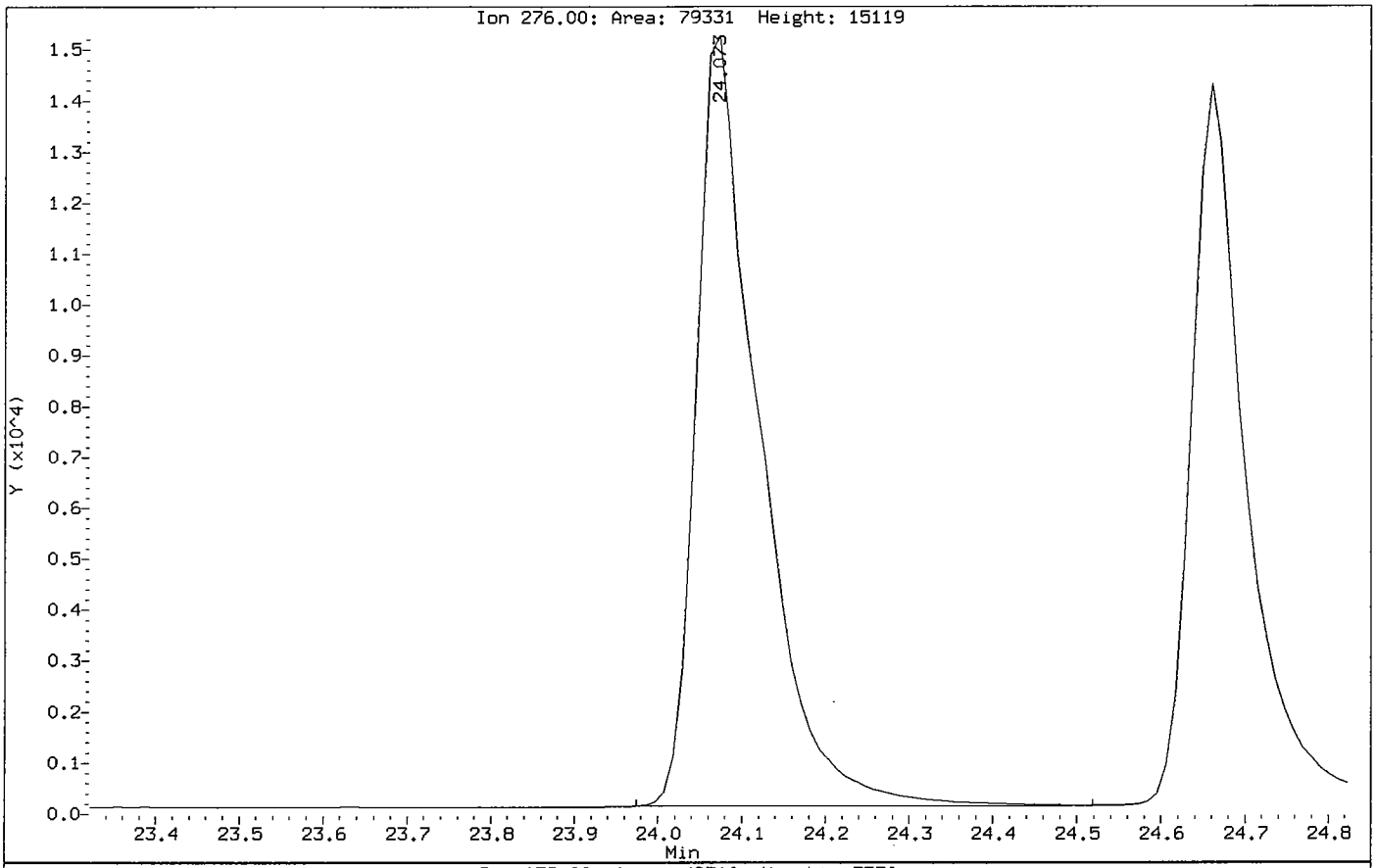
2
pm 6/8/10

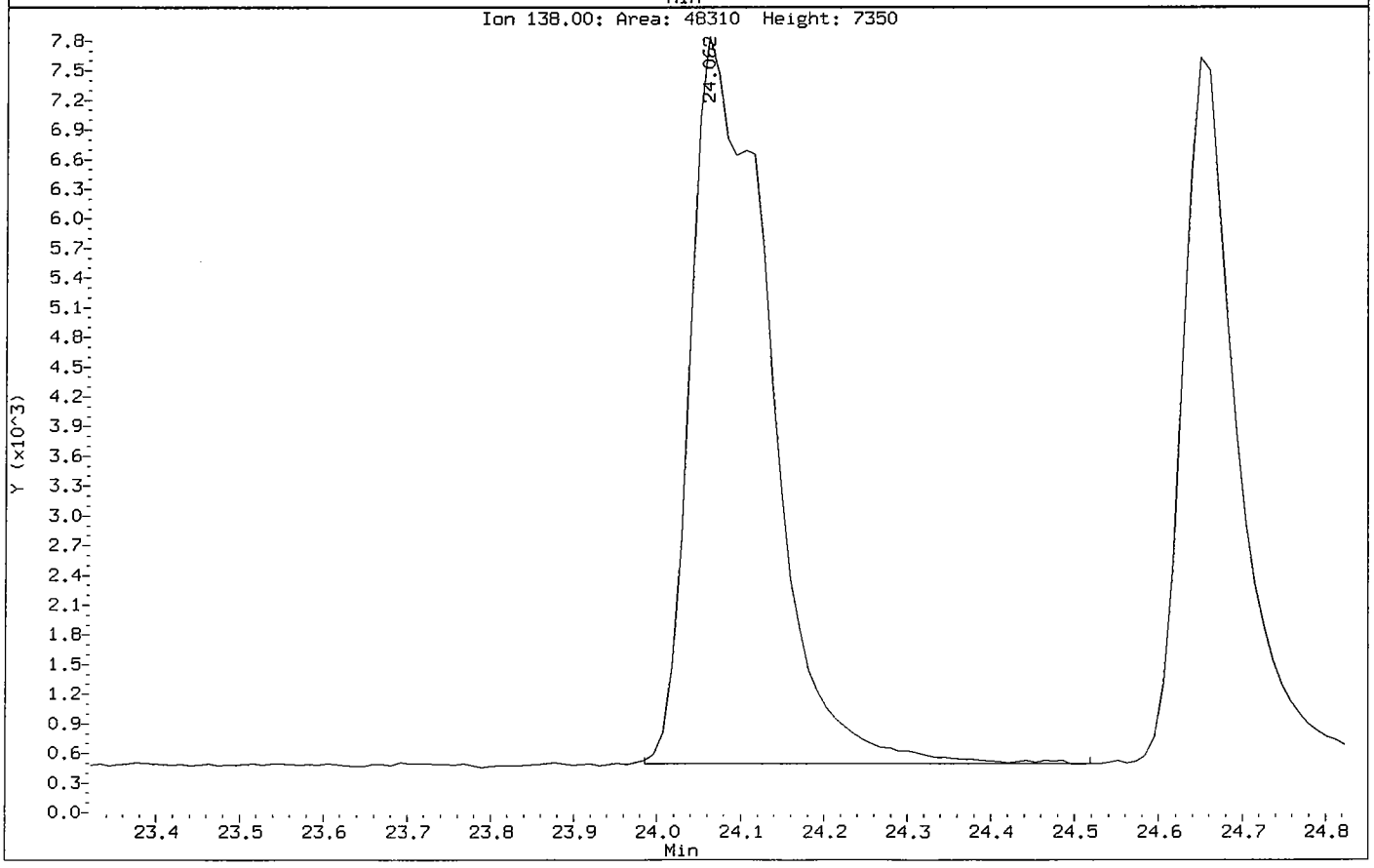
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: /chem/5972hp66.i/DS100601C66.b/0052409-BS1JC66.d
Injection Date: 02-JUN-2010 09:05
Instrument: 5972hp66.i
Client Sample ID: SCGLCS

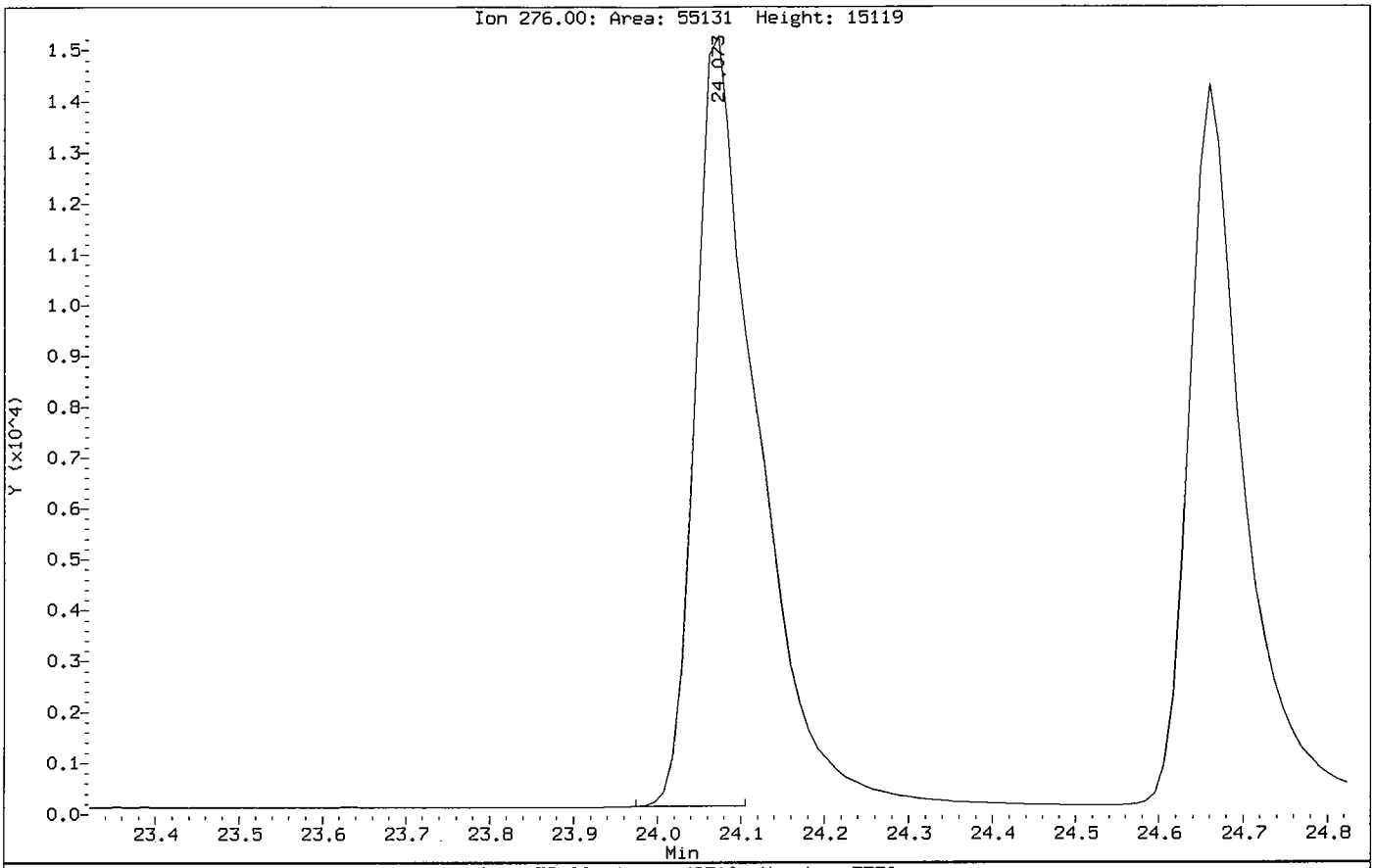
Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5

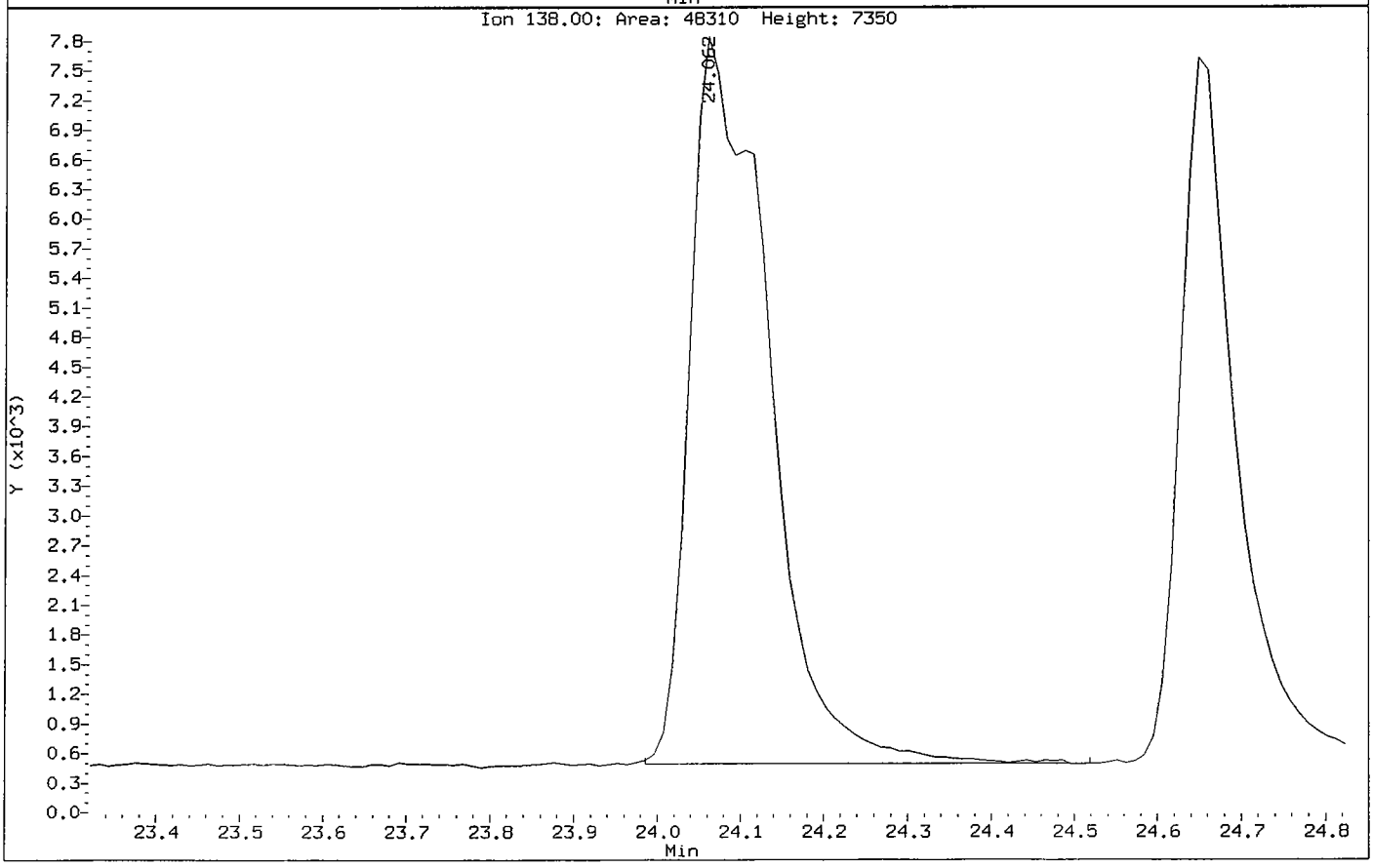




Data File: /chem/5972hp66.i/DS100601C66.b/0052409-BS1JC66.d
Injection Date: 02-JUN-2010 09:05
Instrument: 5972hp66.i
Client Sample ID: SCGLCS

Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SCGLCSD

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0052409-BSD1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0052409-BSD1C66
Analyst: 2743

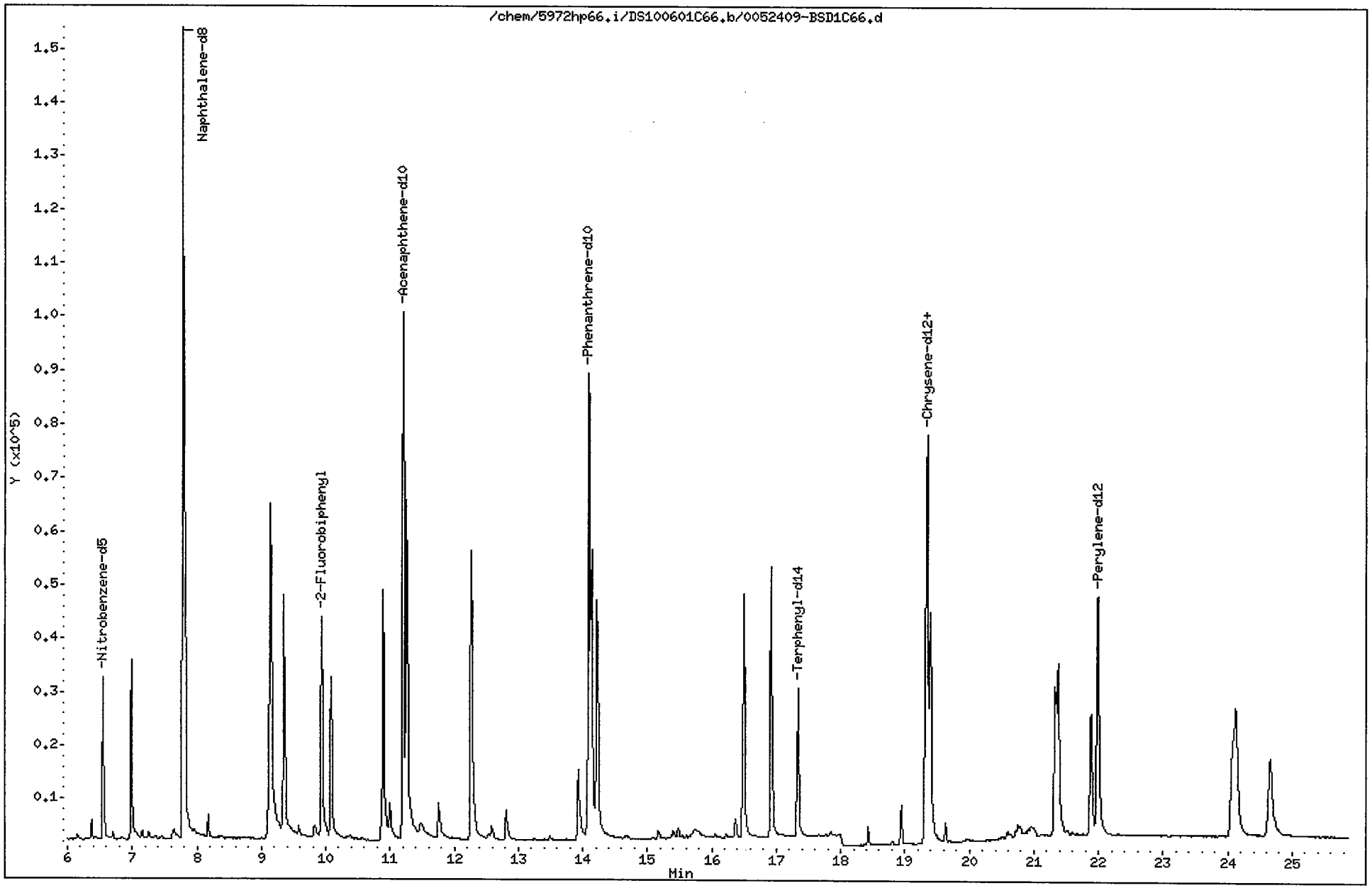
% Moisture: 0 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052409-BLK1

Date Extracted: 05/24/10
Date Analyzed: 06/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	12	
91-57-6	2-Methylnaphthalene	0.68	8.3	12	
208-96-8	Acenaphthylene	0.53	8.3	12	
83-32-9	Acenaphthene	0.60	8.3	11	
86-73-7	Fluorene	0.45	8.3	11	
85-01-8	Phenanthrene	1.3	8.3	12	
120-12-7	Anthracene	0.43	8.3	15	
206-44-0	Fluoranthene	1.3	8.3	16	
129-00-0	Pyrene	0.57	8.3	15	
56-55-3	Benzo(a)anthracene	0.57	8.3	15	
218-01-9	Chrysene	0.63	8.3	16	
205-99-2	Benzo(b)fluoranthene	0.57	8.3	12	
207-08-9	Benzo(k)fluoranthene	0.43	8.3	17	
50-32-8	Benzo(a)pyrene	0.38	8.3	14	
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	11	
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	14	
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	12	

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp66.i/DS100601C66.b/0052409-BSD1C66.d
Date : 02-JUN-2010 07:57
Client ID: SCGLCSD
Instrument: 5972hp66.i
Sample Info: 0052409-BSD1:2743
Volume Injected (uL): 2.0
Operator: 2743
Column phase: Rtx-5MS
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100601C66.b/0052409-BSD1C66.d
Report Date: 08-Jun-2010 14:53

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100601C66.b/0052409-BSD1C66.d
Lab Smp Id: 0052409-BSD1 Client Smp ID: SCGLCSD
Inj Date : 02-JUN-2010 07:57
Operator : 2743 Inst ID: 5972hp66.i
Smp Info : 0052409-BSD1:2743
Misc Info : SCGLCSD
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100601C66.b/SIM_8270Cv2DOD.m
Meth Date : 07-Jun-2010 10:54 mead Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 14 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50
Processing Host: einstein

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL) (1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)	
*	1 1,4-Dichlorobenzene-d4	152	5.557	5.534	(1.000)	64166	2.00000		(a)
*	2 Naphthalene-d8	136	7.786	7.789	(1.000)	202057	2.00000		(a)
*	3 Acenaphthene-d10	164	11.205	11.205	(1.000)	96622	2.00000		(a)
*	4 Phenanthrene-d10	188	14.100	14.100	(1.000)	172390	2.00000		(a)
*	5 Chrysene-d12	240	19.345	19.354	(1.000)	124705	2.00000		(a)
*	6 Perylene-d12	264	21.994	21.994	(1.000)	101382	2.00000		(a)
$	9 Nitrobenzene-d5	82	6.547	6.537	(0.841)	37231	0.82806	14	
$	10 2-Fluorobiphenyl	172	9.936	9.940	(0.887)	54628	0.54180	9.0	
$	12 Terphenyl-d14	244	17.333	17.346	(0.896)	41411	0.91394	15	
	13 Naphthalene	128	7.825	7.815	(1.005)	93140	0.74523	12	
	15 2-Methylnaphthalene	141	9.141	9.144	(0.816)	51776	0.74845	12	
	17 Acenaphthylene	152	10.893	10.905	(0.972)	77276	0.71599	12	

Pw 6/8/10

Data File: /chem/5972hp66.i/DS100601C66.b/0052409-BSD1C66.d
Report Date: 08-Jun-2010 14:53

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
18 Acenaphthene	154	11.258	11.270	(1.005)	43409	0.68646	11
21 Fluorene	166	12.261	12.274	(0.870)	54580	0.67650	11
25 Phenanthrene	178	14.139	14.139	(1.003)	79141	0.73622	12
26 Anthracene	178	14.217	14.230	(1.008)	85231	0.88148	15
27 Fluoranthene	202	16.499	16.499	(0.853)	80731	0.97630	16
28 Pyrene	202	16.916	16.929	(0.874)	83482	0.92704	15
29 Benzo(a)anthracene	228	19.310	19.319	(0.998)	60913	0.89855	15
30 Chrysene	228	19.388	19.397	(1.002)	69573	0.94753	16
31 Benzo(b)fluoranthene	252	21.330	21.330	(0.970)	49740	0.74394	12
32 Benzo(k)fluoranthene	252	21.374	21.374	(0.972)	73712	1.02448	17
33 Benzo(a)pyrene	252	21.885	21.885	(0.995)	50206	0.83327	14
34 Indeno(1,2,3-cd)pyrene	276	24.073	24.073	(1.095)	36601	0.68858	11(M)
35 Dibenzo(a,h)anthracene	278	24.128	24.127	(1.097)	42708	0.81223	14
36 Benzo(g,h,i)perylene	276	24.661	24.661	(1.121)	43550	0.73919	12

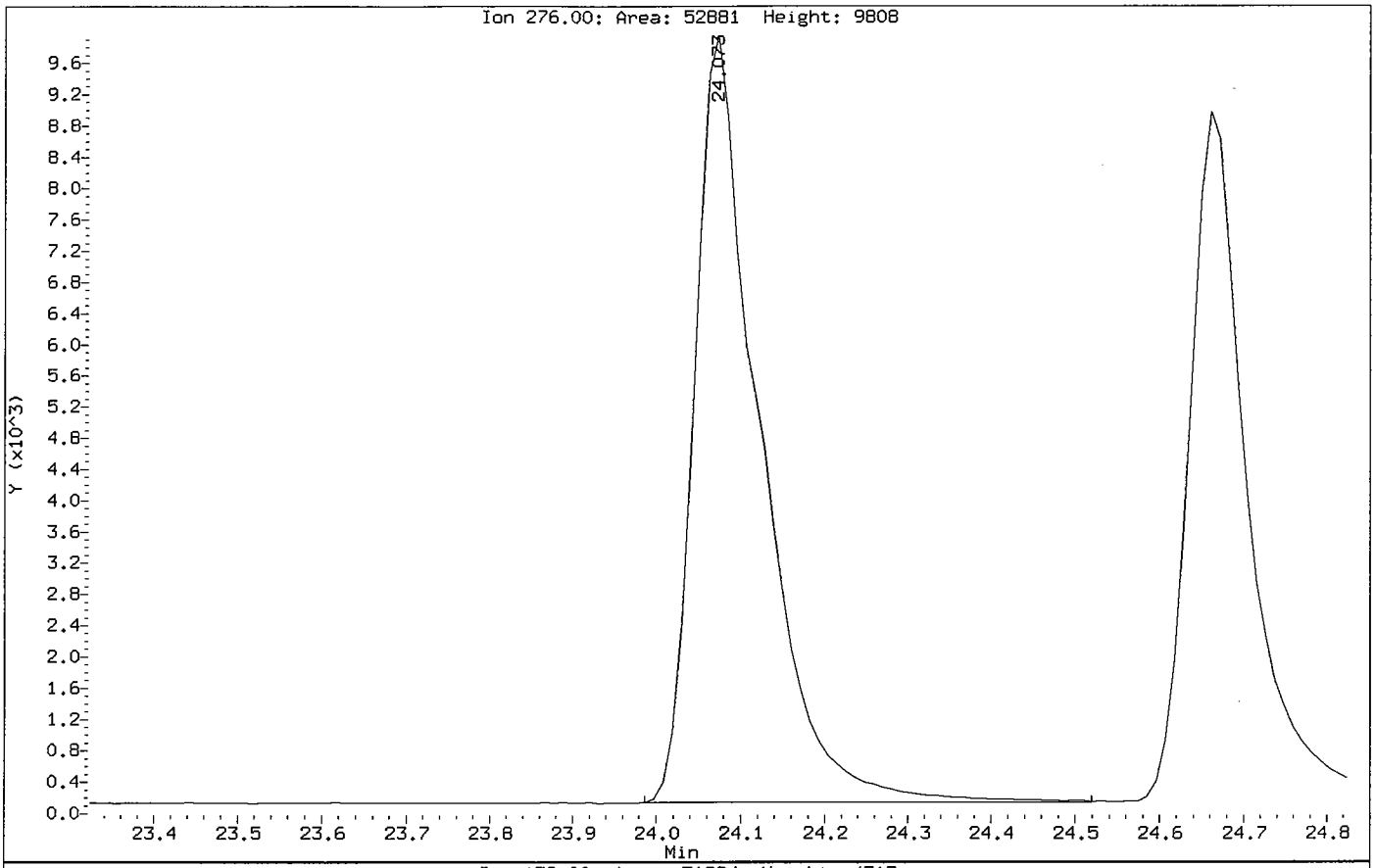
2
RLM
6/8/10

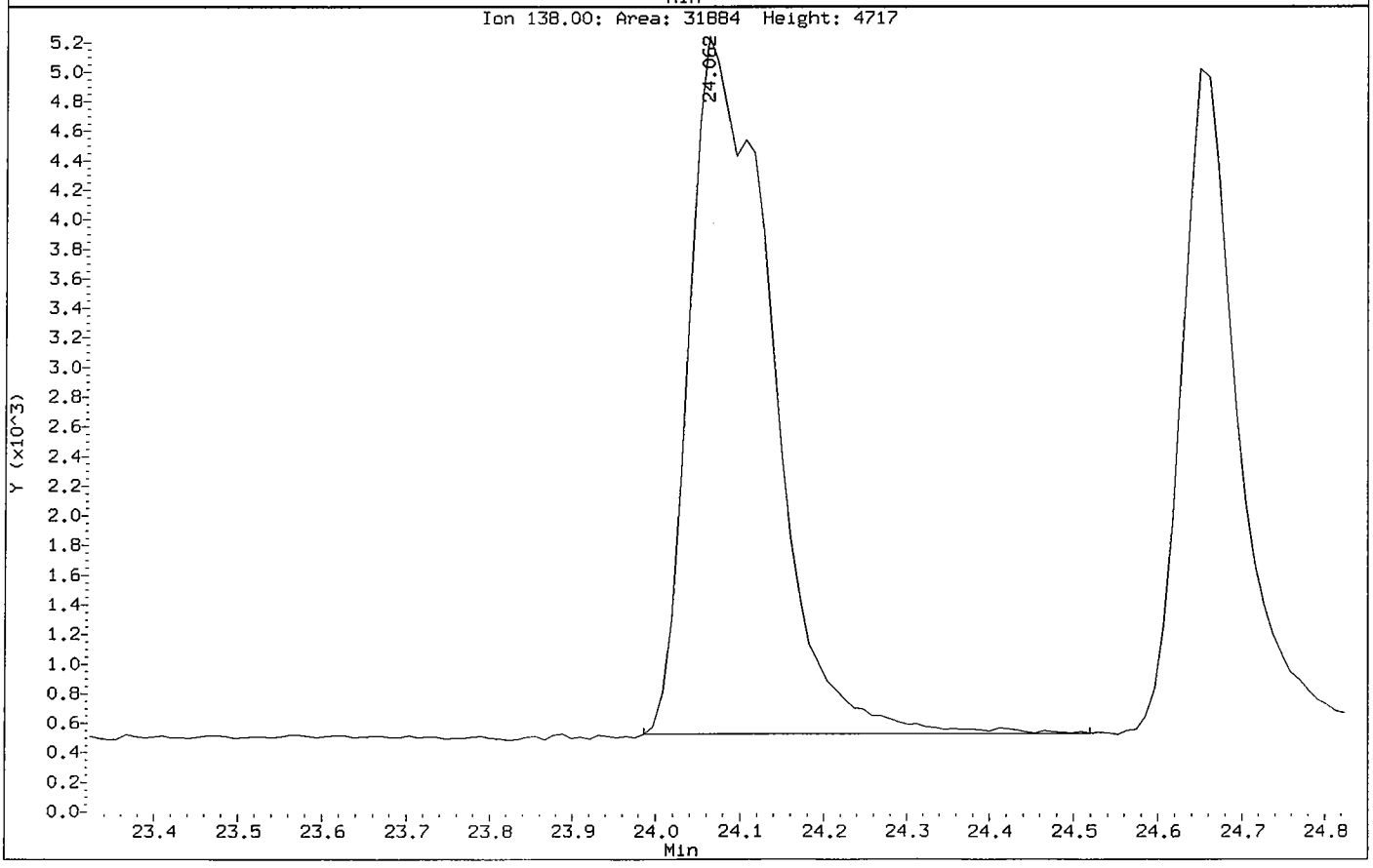
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: /chem/5972hp66.i/DS100601C66.b/0052409-BSD1C66.d
Injection Date: 02-JUN-2010 07:57
Instrument: 5972hp66.i
Client Sample ID: SCGLCSD

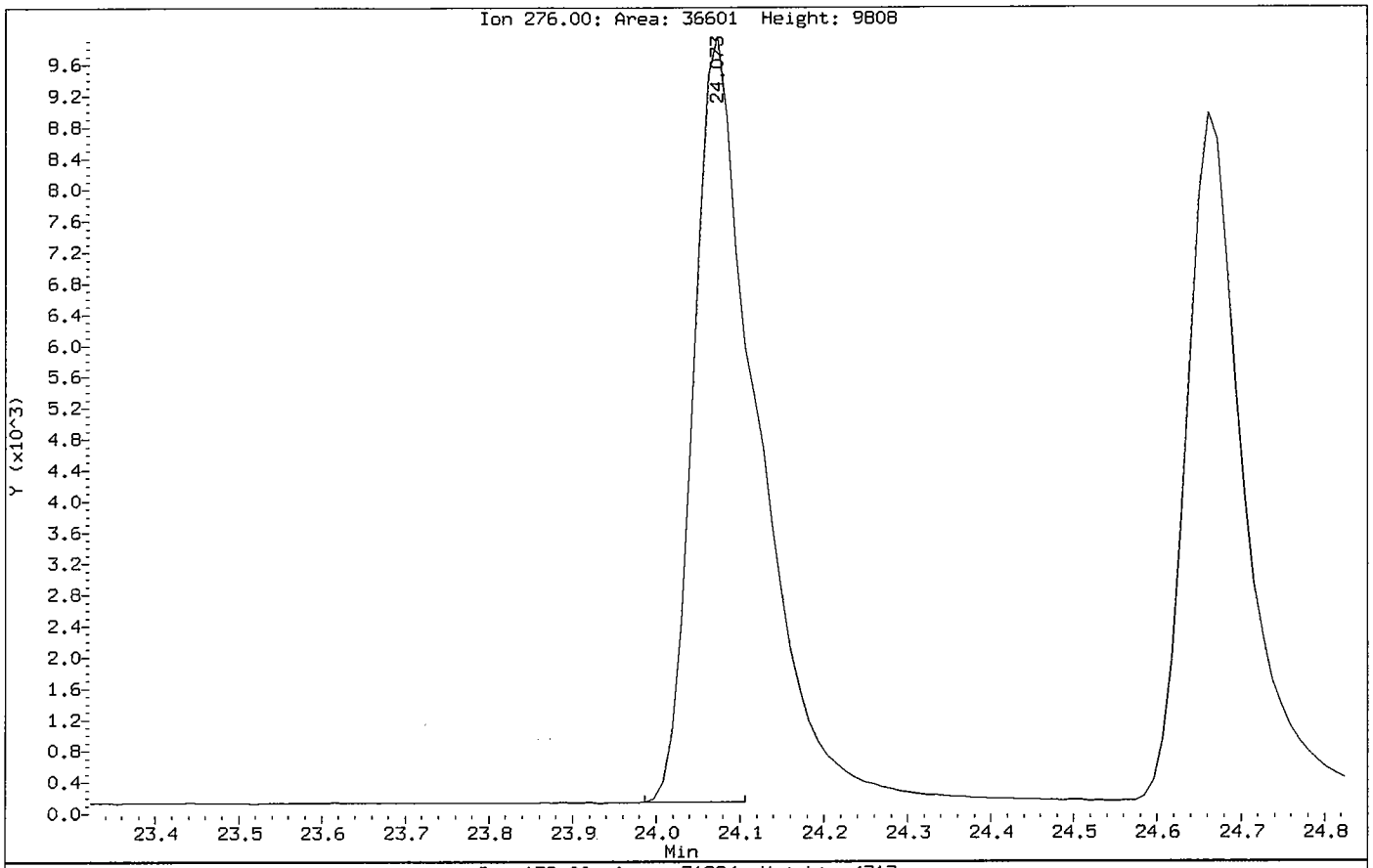
Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5

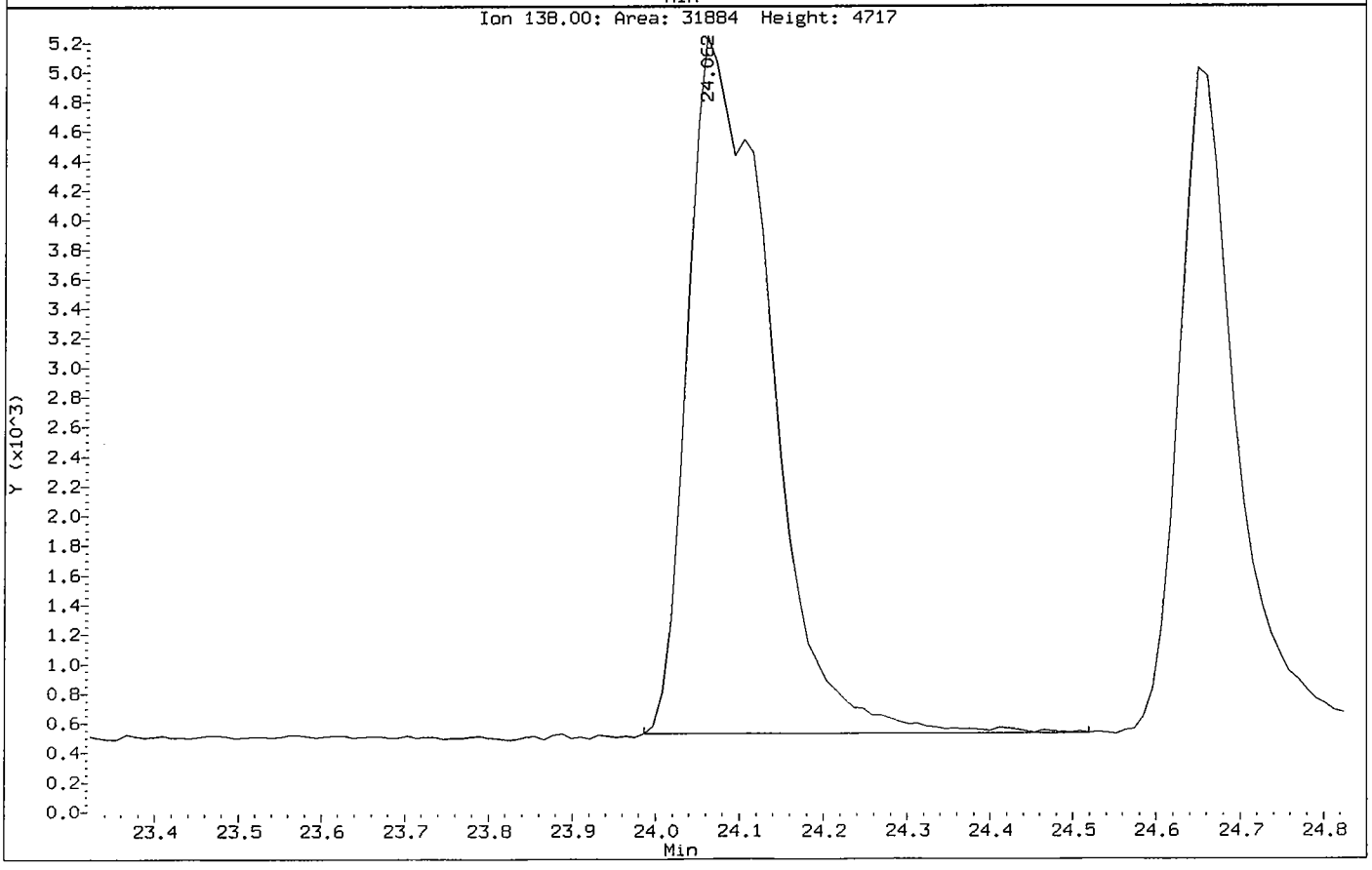




Data File: /chem/5972hp66.i/DS100601C66.b/0052409-BSD1C66.d
Injection Date: 02-JUN-2010 07:57
Instrument: 5972hp66.i
Client Sample ID: SCGLCSD

Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





d. Matrix Spike Data

- Tabulated Results (Form I SV)

- Chromatogram and quantitation report

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SS73-0-1MS

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/14/10

Lab Sample ID: 0051920-MS2
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/14/10
Lab File ID: 0051920-MS2JC66
Analyst: 2743

% Moisture: 4 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0051920-BLK1

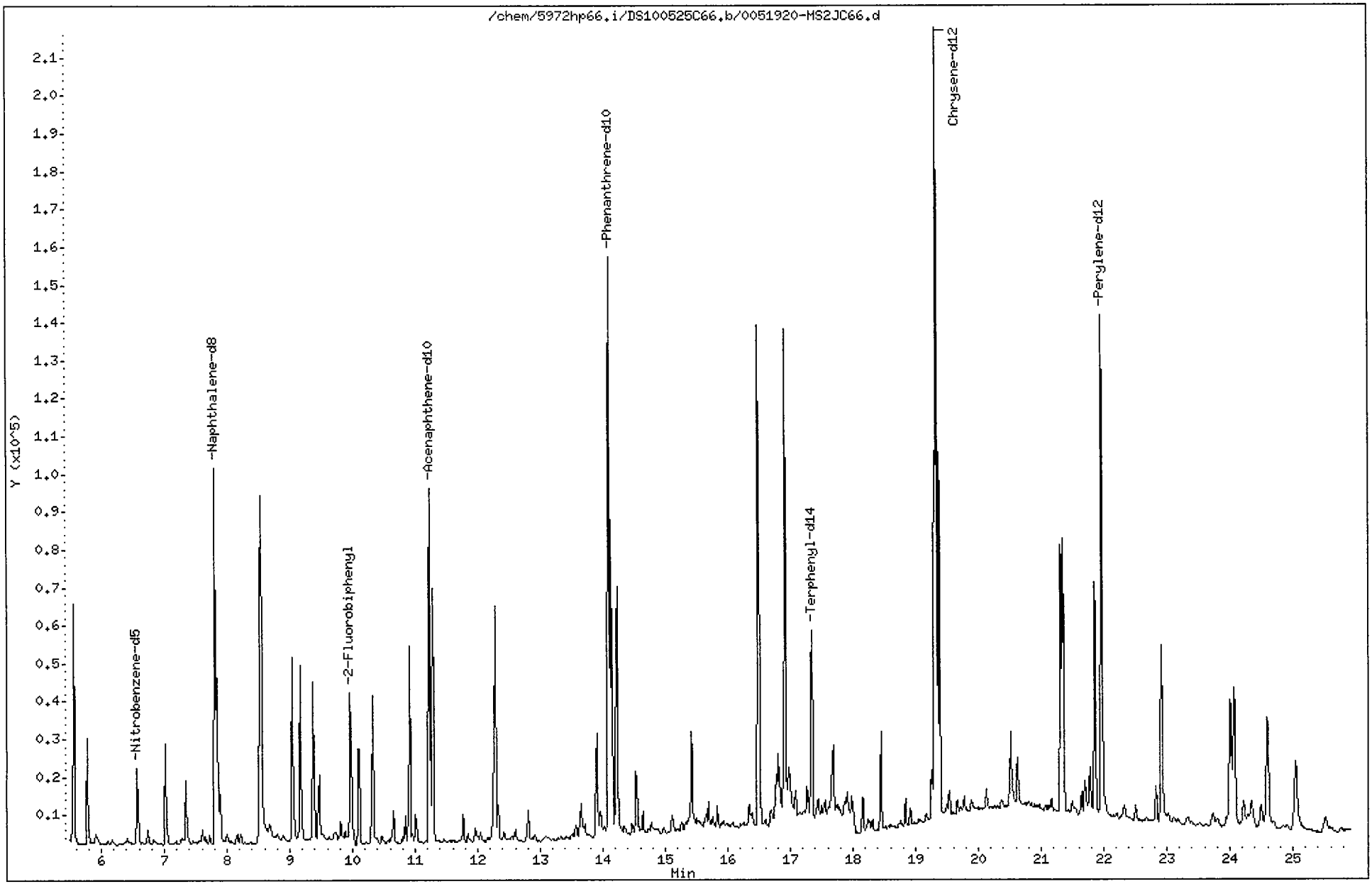
Date Extracted: 05/20/10
Date Analyzed: 05/26/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.75	8.6	12	B
91-57-6	2-Methylnaphthalene	0.71	8.6	11	
208-96-8	Acenaphthylene	0.56	8.6	14	
83-32-9	Acenaphthene	0.62	8.6	13	
86-73-7	Fluorene	0.47	8.6	8.1	J
85-01-8	Phenanthrene	1.4	8.6	13	
120-12-7	Anthracene	0.45	8.6	13	
206-44-0	Fluoranthene	1.4	8.6	16	
129-00-0	Pyrene	0.59	8.6	15	
56-55-3	Benzo(a)anthracene	0.59	8.6	15	
218-01-9	Chrysene	0.66	8.6	14	
205-99-2	Benzo(b)fluoranthene	0.59	8.6	14	
207-08-9	Benzo(k)fluoranthene	0.45	8.6	14	
50-32-8	Benzo(a)pyrene	0.40	8.6	13	
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	8.6	9.1	
53-70-3	Dibenzo(a,h)anthracene	0.35	8.6	8.0	J
191-24-2	Benzo(g,h,i)perylene	0.40	8.6	8.1	J

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp66.i/DS100525C66.b/0051920-MS2JC66.d
Date : 26-MAY-2010 07:55
Client ID: SS73-0-1MS
Instrument: 5972hp66.i
Sample Info: 0051920-MS2:2743
Volume Injected (uL): 2.0
Operator: 2743
Column phase: Rtx-5MS
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100525C66.b/0051920-MS2JC66.d
Report Date: 06-Jul-2010 11:38

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100525C66.b/0051920-MS2JC66.d
Lab Smp Id: 0051920-MS2 Client Smp ID: SS73-0-1MS
Inj Date : 26-MAY-2010 07:55
Operator : 2743 Inst ID: 5972hp66.i
Smp Info : 0051920-MS2:2743
Misc Info : SS73-0-1MS
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100525C66.b/SIM_8270Cv2DOD.m
Meth Date : 06-Jul-2010 11:34 parikh Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 4 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50
Processing Host: einstein

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	4.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
*	1 1,4-Dichlorobenzene-d4	152	5.570	5.560	(1.000)	35850	2.00000	
*	2 Naphthalene-d8	136	7.812	7.802	(1.000)	134122	2.00000	
*	3 Acenaphthene-d10	164	11.230	11.231	(1.000)	69203	2.00000	
*	4 Phenanthrene-d10	188	14.101	14.101	(1.000)	211174	2.00000	
*	5 Chrysene-d12	240	19.336	19.336	(1.000)	260847	2.00000	
*	6 Perylene-d12	264	21.961	21.961	(1.000)	184638	2.00000	
$	9 Nitrobenzene-d5	82	6.574	6.563	(0.841)	19576	0.65593	11
$	10 2-Fluorobiphenyl	172	9.963	9.966	(0.887)	50377	0.69760	12
$	12 Terphenyl-d14	244	17.347	17.347	(0.897)	63356	0.66848	12
	13 Naphthalene	128	7.838	7.841	(1.003)	57952	0.69855	12
	15 2-Methylnaphthalene	141	9.168	9.170	(0.816)	31116	0.62801	11
	17 Acenaphthylene	152	10.918	10.918	(0.972)	61676	0.79786	14

SAR 07/06/10

Data File: /chem/5972hp66.i/DS100525C66.b/0051920-MS2JC66.d
Report Date: 06-Jul-2010 11:38

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
18 Acenaphthene	154	11.282	11.283	(1.005)	34902	0.77062	13
21 Fluorene	166	12.273	12.273	(0.870)	46184	0.46730	8.1(aR)
25 Phenanthrene	178	14.140	14.140	(1.003)	102279	0.77672	13
26 Anthracene	178	14.231	14.231	(1.009)	87279	0.73688	13
27 Fluoranthene	202	16.487	16.500	(0.853)	161322	0.93268	16
28 Pyrene	202	16.917	16.917	(0.875)	164069	0.87103	15
29 Benzo(a)anthracene	228	19.301	19.301	(0.998)	120005	0.84631	15
30 Chrysene	228	19.379	19.379	(1.002)	119573	0.77854	14
31 Benzo(b)fluoranthene	252	21.308	21.308	(0.970)	97208	0.79832	14
32 Benzo(k)fluoranthene	252	21.351	21.352	(0.972)	105821	0.80757	14
33 Benzo(a)pyrene	252	21.852	21.853	(0.995)	82887	0.75536	13
34 Indeno(1,2,3-cd)pyrene	276	24.018	24.008	(1.094)	50572	0.52240	9.1
35 Dibenzo(a,h)anthracene	278	24.072	24.073	(1.096)	44294	0.46255	8.0(a)
36 Benzo(g,h,i)perylene	276	24.606	24.595	(1.120)	50078	0.46672	8.1(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

e. Matrix Spike Duplicate Data

- Tabulated Results (Form I SV)

- Chromatogram and quantitation report

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005133
Client Sample ID: SS73-0-1MSD

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/14/10

Lab Sample ID: 0051920-MSD2
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/14/10
Lab File ID: 0051920-MSD2JC66
Analyst: 2743

% Moisture: 4 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0051920-BLK1

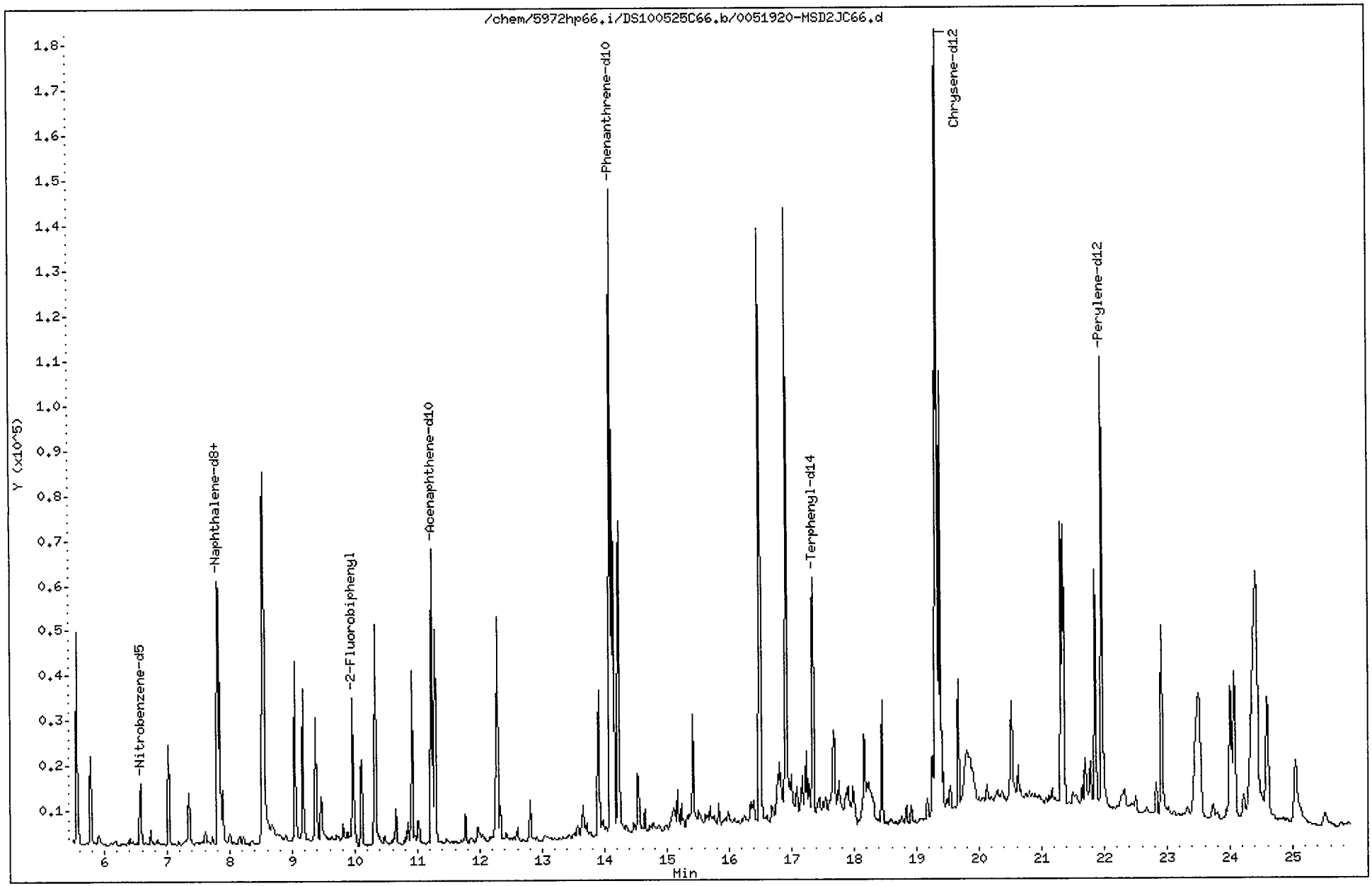
Date Extracted: 05/20/10
Date Analyzed: 05/26/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.75	8.6	13	B
91-57-6	2-Methylnaphthalene	0.71	8.6	12	
208-96-8	Acenaphthylene	0.56	8.6	15	
83-32-9	Acenaphthene	0.62	8.6	14	
86-73-7	Fluorene	0.47	8.6	7.3	J
85-01-8	Phenanthrene	1.4	8.6	15	
120-12-7	Anthracene	0.45	8.6	15	
206-44-0	Fluoranthene	1.4	8.6	19	
129-00-0	Pyrene	0.59	8.6	18	
56-55-3	Benzo(a)anthracene	0.59	8.6	17	
218-01-9	Chrysene	0.66	8.6	16	
205-99-2	Benzo(b)fluoranthene	0.59	8.6	17	
207-08-9	Benzo(k)fluoranthene	0.45	8.6	17	
50-32-8	Benzo(a)pyrene	0.40	8.6	15	
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	8.6	11	
53-70-3	Dibenzo(a,h)anthracene	0.35	8.6	9.9	
191-24-2	Benzo(g,h,i)perylene	0.40	8.6	10	

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp66.i/DS100525C66.b/0051920-MSD2JC66.d
Date : 26-MAY-2010 08:29
Client ID: SS73-0-1MSD
Sample Info: 0051920-MSD2:2743
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: 2743
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100525C66.b/0051920-MSD2JC66.d
Report Date: 06-Jul-2010 11:38

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100525C66.b/0051920-MSD2JC66.d
Lab Smp Id: 0051920-MSD2 Client Smp ID: SS73-0-1MSD
Inj Date : 26-MAY-2010 08:29
Operator : 2743 Inst ID: 5972hp66.i
Smp Info : 0051920-MSD2:2743
Misc Info : SS73-0-1MSD
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100525C66.b/SIM_8270Cv2DOD.m
Meth Date : 06-Jul-2010 11:34 parikh Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 5 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50
Processing Host: einstein

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	4.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
*	1 1,4-Dichlorobenzene-d4	152	5.560	5.560	(1.000)	25953	2.00000	
*	2 Naphthalene-d8	136	7.815	7.802	(1.000)	92547	2.00000	
*	3 Acenaphthene-d10	164	11.230	11.231	(1.000)	46884	2.00000	
*	4 Phenanthrene-d10	188	14.100	14.101	(1.000)	197683	2.00000	
*	5 Chrysene-d12	240	19.336	19.336	(1.000)	225612	2.00000	
*	6 Perylene-d12	264	21.961	21.961	(1.000)	133189	2.00000	
$	9 Nitrobenzene-d5	82	6.577	6.563	(0.842)	15443	0.74990	13
$	10 2-Fluorobiphenyl	172	9.966	9.966	(0.887)	36233	0.74059	13
$	12 Terphenyl-d14	244	17.347	17.347	(0.897)	68214	0.83214	14
	13 Naphthalene	128	7.841	7.841	(1.003)	43117	0.75321	13
	15 2-Methylnaphthalene	141	9.171	9.170	(0.817)	22647	0.67468	12
	17 Acenaphthylene	152	10.917	10.918	(0.972)	44135	0.84275	15

BAI 07/06/10

Data File: /chem/5972hp66.i/DS100525C66.b/0051920-MSD2JC66.d
Report Date: 06-Jul-2010 11:38

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
18 Acenaphthene	154	11.282	11.283	(1.005)	25178	0.82056	14
21 Fluorene	166	12.272	12.273	(0.870)	39082	0.42243	7.3(aR)
25 Phenanthrene	178	14.139	14.140	(1.003)	109272	0.88646	15
26 Anthracene	178	14.231	14.231	(1.009)	95233	0.85891	15
27 Fluoranthene	202	16.486	16.500	(0.853)	165666	1.10738	19
28 Pyrene	202	16.916	16.917	(0.875)	170727	1.04793	18
29 Benzo(a)anthracene	228	19.302	19.301	(0.998)	119727	0.97622	17
30 Chrysene	228	19.380	19.379	(1.002)	119283	0.89795	16
31 Benzo(b)fluoranthene	252	21.308	21.308	(0.970)	84665	0.96389	17
32 Benzo(k)fluoranthene	252	21.351	21.352	(0.972)	90825	0.96087	17
33 Benzo(a)pyrene	252	21.852	21.853	(0.995)	69642	0.87982	15
34 Indeno(1,2,3-cd)pyrene	276	24.007	24.008	(1.093)	44192	0.63283	11
35 Dibenzo(a,h)anthracene	278	24.072	24.073	(1.096)	39435	0.57088	9.9
36 Benzo(g,h,i)perylene	276	24.595	24.595	(1.120)	44752	0.57820	10

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

CompuChem

A Division Of

Liberty Analytical Corp.

6/14/2010

REBEKHA SHAW

CH2M HILL, INC.

P.O. BOX 241329

DENVER, CO 80224

Subject:

Report of Data - Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM
WorkOrder: 1005133

Attn. REBEKHA SHAW

Enclosed are the results of analytical work performed in accordance with the referenced account number. This report covers sample(s) appearing on the listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097

Sincerely,

Compuchem

a division of Liberty Analytical Corporation

Attachment

TOTAL NUMBER

OF PAGES ____

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

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SDG NARRATIVE
SDG # 1005133

The 20 soil samples were received intact between 1.5C and 4.3C, with proper documentations, in sealed shipping containers, on May 14th, 19th, and 21st, 2010. The samples were scheduled for the requested analyses of the Wet Chemistry fraction. The samples were analyzed, in accordance with current EPA methods, for the analytes requested as per the COC, with the exceptions and/or additions requested by the client.

SAMPLE IDs:
The cover page contained in this package lists the client ID's and the associated CompuChem numbers which are part of this SDG.

INSTRUMENTAL QUALITY CONTROL:
All calibration verification solutions (ICV & CCV), blanks (ICB, & CCB), associated with this data were confirmed to be within allowable limits.

SAMPLE PREPARATION QUALITY CONTROL:
The sample preparation procedure verifications (LCS & Blank) were found to be within acceptable ranges. All field samples were prepared and analyzed within the contract specified holding times.

MATRIX RELATED QUALITY CONTROL:
SS73-0-1 *(1005133-1)* was requested to use as the original to prepare the matrix spike and matrix spike duplicate.

I certify that this Sample Data Package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy Sample Data Package and in the electronic data deliverable has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Preeti Khare
Data Reviewer I
June 17th, 2010

Organic Undecanted Dry Weight Worksheet

0051921

Procedure: 143/190

T. WILLIAMS — Employee
1289 — ID No

Temp in: 104°

Temp out: 100°C

Date Assigned: 5-20-10

Date/Time in: 5-20-10 @ 1605

Date/Time out: 5-21-10 1625

Lab Number	Client ID	Sample Type	Weight of Container (0.00g)	Weight of Container & Wet Sample (0.00g)	Weight of Container & Dry Sample (0.00g)
1005132-01	SB85-1.5-2.5	Sample	1.32	6.35	5.49
1005132-02	SB78-3.5-4.5	Sample	1.31	7.75	6.83
1005132-03	SS77-0-1	Sample	1.32	7.26	5.89
1005132-04	SB77-3.5-4.5	Sample	1.34	7.85	7.20
1005132-05	SS79-0-1	Sample	1.31	6.38	6.18
1005132-06	SB79-11-12	Sample	1.34	6.63	5.72
1005132-07	SS83-0-1	Sample	1.32	7.20	6.84
1005132-08	SB83-6.5-7.5	Sample	1.33	7.15	6.28
1005132-09	SS62-0-1	Sample	1.33	6.25	2.85
1005132-10	SS74-0-1	Sample	1.34	7.44	7.28
1005132-11	SS86-0-1	Sample	1.34	7.03	6.30
1005132-12	SB86-3-4	Sample	1.33	7.01	6.09
1005132-13	SS84-0-1	Sample	1.31	7.40	7.10
1005132-14	SB84-6-7	Sample	1.34	7.41	6.30
1005133-01	SS73-0-1	Sample	1.34	6.16	5.96
1005134-01	SS02-0-1	Sample	1.32	7.54	6.55
1005134-02	SS02D-0-1	Sample	1.32	7.03	6.33
1005134-03	SB02-5-6	Sample	1.34	6.83	5.72
1005134-04	SB02D-5-6	Sample	1.35	6.79	5.60
1005134-05	SB05-7-8	Sample	1.35	6.82	5.30

Entered into Element by: M [illegible] 5-24-10
Date

Organic Undecanted Dry Weight Worksheet

0052410

Procedure: 143/190

T. WILLIAMS — Employee

1289 — ID No

Temp in: 105°

Temp out: 104°

Date Assigned: 5-24-10

Date/Time in: 5-24-10@1636

Date/Time out: 5-25-10@1095

Lab Number	Client ID	Sample Type	Weight of Container (0.00g)	Weight of Container & Wet Sample (0.00g)	Weight of Container & Dry Sample (0.00g)
005133-02	SB74-4-5	Sample	1.33	6.17	5.79
005133-03	SS75-0-1	Sample	1.33	7.60	6.65
005133-04	SB75-3.5-4.5	Sample	1.34	6.79	5.97
005133-05	SS63-0-1	Sample	1.31	6.89	6.56
005133-06	SB63-5.5-6.5	Sample	1.32	7.23	6.25
005133-07	SS61-0-1	Sample	1.33	6.45	6.03
005133-08	SS61D-0-1	Sample	1.34	7.19	6.79
005133-09	SB61-6-7	Sample	1.32	7.55	6.69
005133-10	SB61D-6-7	Sample	1.34	7.50	6.67
005133-11	SS67-0-1	Sample	1.32	6.70	3.73
005133-12	SS72-0-1	Sample	1.33	7.56	7.30
005133-13	SB72-2-3	Sample	1.33	6.73	6.04
005133-14	SS88-0-1	Sample	1.33	6.39	5.95
005133-15	SB88-2.5-3.5	Sample	1.34	7.68	5.99
005133-16	SS76-0-1	Sample	1.33	7.25	7.10
005133-17	SB76-6-7	Sample	1.32	6.68	5.78
005133-18	SS87-0-1	Sample	1.32	6.69	5.59
005133-19	SB87-3-4	Sample	1.31	7.16	5.61
005133-20	SS68-0-1	Sample	1.34	7.43	6.51

Entered into Element by: [signature] 5-26-10

Date

3

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CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/14/2010 14:48

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS73-0-1	1005133-01	Soil	05/14/2010 08:25	05/14/2010 16:00
SB74-4-5	1005133-02	Soil	05/17/2010 16:00	05/19/2010 09:05
SS75-0-1	1005133-03	Soil	05/17/2010 16:35	05/19/2010 09:05
SB75-3.5-4.5	1005133-04	Soil	05/17/2010 16:45	05/19/2010 09:05
SS63-0-1	1005133-05	Soil	05/18/2010 08:40	05/19/2010 09:05
SB63-5.5-6.5	1005133-06	Soil	05/18/2010 09:00	05/19/2010 09:05
SS61-0-1	1005133-07	Soil	05/18/2010 09:45	05/19/2010 09:05
SS61D-0-1	1005133-08	Soil	05/18/2010 09:50	05/19/2010 09:05
SB61-6-7	1005133-09	Soil	05/18/2010 09:55	05/19/2010 09:05
SB61D-6-7	1005133-10	Soil	05/18/2010 10:00	05/19/2010 09:05
SS67-0-1	1005133-11	Soil	05/18/2010 17:00	05/21/2010 16:00
SS72-0-1	1005133-12	Soil	05/19/2010 08:35	05/21/2010 16:00
SB72-2-3	1005133-13	Soil	05/19/2010 08:45	05/21/2010 16:00
SS88-0-1	1005133-14	Soil	05/19/2010 09:10	05/21/2010 16:00
SB88-2.5-3.5	1005133-15	Soil	05/19/2010 09:25	05/21/2010 16:00
SS76-0-1	1005133-16	Soil	05/19/2010 09:55	05/21/2010 16:00
SB76-6-7	1005133-17	Soil	05/19/2010 10:45	05/21/2010 16:00
SS87-0-1	1005133-18	Soil	05/19/2010 11:45	05/21/2010 16:00
SB87-3-4	1005133-19	Soil	05/19/2010 11:55	05/21/2010 16:00
SS68-0-1	1005133-20	Soil	05/20/2010 09:30	05/21/2010 16:00

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/14/2010 14:48

SS73-0-1

1005133-01 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**3.80**		0.50	mg/kg	1	0060154	06/11/2010 12:23	06/11/2010 14:37	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	2.09	mg/kg dry	1	0052524	05/25/2010 09:25	06/09/2010 14:42	EPA 7196A
Trivalent Chromium	**3.80**		0.500	mg/kg	1	[CALC]	06/11/2010 12:23	06/11/2010 14:37	Calc

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/14/2010 14:48

SB74-4-5
1005133-02 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**9.50**		0.50	mg/kg	1	0060154	06/11/2010 12:23	06/11/2010 14:37	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**1.09**	J	2.17	mg/kg dry	1	0052524	05/25/2010 09:25	06/09/2010 14:42	EPA 7196A
Trivalent Chromium	**8.50**		0.500	mg/kg	1	[CALC]	06/11/2010 12:23	06/11/2010 14:37	Calc

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Preeti Khare For Cathy Dover, Project Manager

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/14/2010 14:48

SS75-0-1

1005133-03 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**10.3**		0.50	mg/kg	1	0060154	06/11/2010 12:23	06/11/2010 14:37	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**1.03**	J	2.36	mg/kg dry	1	0052524	05/25/2010 09:25	06/09/2010 14:42	EPA 7196A
Trivalent Chromium	**9.43**		0.500	mg/kg	1	[CALC]	06/11/2010 12:23	06/11/2010 14:37	Calc

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Preeti Khare For Cathy Dover, Project Manager

CompuChem
A Division Of
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CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/14/2010 14:48

SB75-3.5-4.5
1005133-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM								
Metals								
Chromium	**15.4**	0.50	mg/kg	1	0060154	06/11/2010 12:23	06/11/2010 14:37	EPA 6010B
WET CHEMISTRY PARAMETERS								
Hexavalent Chromium	**3.84**	2.35	mg/kg dry	1	0052524	05/25/2010 09:25	06/09/2010 14:42	EPA 7196A
Trivalent Chromium	**12.1**	0.500	mg/kg	1	[CALC]	06/11/2010 12:23	06/11/2010 14:37	Calc

CompuChem
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Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/14/2010 14:48

SS63-0-1

1005133-05 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**2.90**		0.50	mg/kg	1	0060154	06/11/2010 12:23	06/11/2010 14:37	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	2.13	mg/kg dry	1	0052524	05/25/2010 09:25	06/09/2010 14:42	EPA 7196A
Trivalent Chromium	**2.90**		0.500	mg/kg	1	[CALC]	06/11/2010 12:23	06/11/2010 14:37	Calc

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CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/14/2010 14:48

SB63-5.5-6.5
1005133-06 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**15.7**		0.50	mg/kg	1	0060154	06/11/2010 12:23	06/11/2010 14:37	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**2.25**	J	2.40	mg/kg dry	1	0052524	05/25/2010 09:25	06/09/2010 14:42	EPA 7196A
Trivalent Chromium	**13.8**		0.500	mg/kg	1	[CALC]	06/11/2010 12:23	06/11/2010 14:37	Calc

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CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/14/2010 14:48

SS61-0-1

1005133-07 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**3.60**		0.50	mg/kg	1	0060154	06/11/2010 12:23	06/11/2010 14:37	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**0.880**	J	2.18	mg/kg dry	1	0052524	05/25/2010 09:25	06/09/2010 14:42	EPA 7196A
Trivalent Chromium	**2.79**		0.500	mg/kg	1	[CALC]	06/11/2010 12:23	06/11/2010 14:37	Calc

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/14/2010 14:48

SS61D-0-1

1005133-08 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**2.60**		0.50	mg/kg	1	0060154	06/11/2010 12:23	06/11/2010 14:37	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	2.15	mg/kg dry	1	0052524	05/25/2010 09:25	06/09/2010 14:42	EPA 7196A
Trivalent Chromium	**2.60**		0.500	mg/kg	1	[CALC]	06/11/2010 12:23	06/11/2010 14:37	Calc

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CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/14/2010 14:48

SB61-6-7

1005133-09 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**13.6**		0.50	mg/kg	1	0060154	06/11/2010 12:23	06/11/2010 14:37	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	2.32	mg/kg dry	1	0052524	05/25/2010 09:25	06/09/2010 14:42	EPA 7196A
Trivalent Chromium	**13.6**		0.500	mg/kg	1	[CALC]	06/11/2010 12:23	06/11/2010 14:37	Calc

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/14/2010 14:48

SB61D-6-7
1005133-10 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**11.5**		0.50	mg/kg	1	0060154	06/11/2010 12:23	06/11/2010 14:37	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**0.934**	J	2.31	mg/kg dry	1	0052524	05/25/2010 09:25	06/09/2010 14:42	EPA 7196A
Trivalent Chromium	**10.7**		0.500	mg/kg	1	[CALC]	06/11/2010 12:23	06/11/2010 14:37	Calc

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/14/2010 14:48

SS67-0-1
1005133-11 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**8.40**		0.50	mg/kg	1	0060154	06/11/2010 12:23	06/11/2010 14:37	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	4.46	mg/kg dry	1	0052524	05/25/2010 09:25	06/09/2010 14:42	EPA 7196A
Trivalent Chromium	**8.40**		0.500	mg/kg	1	[CALC]	06/11/2010 12:23	06/11/2010 14:37	Calc

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/14/2010 14:48

SS72-0-1

1005133-12 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**3.60**		0.50	mg/kg	1	0060154	06/11/2010 12:23	06/11/2010 14:37	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	2.09	mg/kg dry	1	0052524	05/25/2010 09:25	06/09/2010 14:42	EPA 7196A
Trivalent Chromium	**3.60**		0.500	mg/kg	1	[CALC]	06/11/2010 12:23	06/11/2010 14:37	Calc

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/14/2010 14:48

SB72-2-3
1005133-13 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**13.0**		0.50	mg/kg	1	0060154	06/11/2010 12:23	06/11/2010 14:37	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**2.22**	J	2.29	mg/kg dry	1	0052524	05/25/2010 09:25	06/09/2010 14:42	EPA 7196A
Trivalent Chromium	**11.1**		0.500	mg/kg	1	[CALC]	06/11/2010 12:23	06/11/2010 14:37	Calc

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CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/14/2010 14:48

SS88-0-1
1005133-14 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**16.8**		0.50	mg/kg	1	0060154	06/11/2010 12:23	06/11/2010 14:37	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	2.19	mg/kg dry	1	0052524	05/25/2010 09:25	06/09/2010 14:42	EPA 7196A
Trivalent Chromium	**16.8**		0.500	mg/kg	1	[CALC]	06/11/2010 12:23	06/11/2010 14:37	Calc

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CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/14/2010 14:48

SB88-2.5-3.5
1005133-15 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**23.6**		0.50	mg/kg	1	0060154	06/11/2010 12:23	06/11/2010 14:37	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**1.98**	J	2.75	mg/kg dry	1	0052524	05/25/2010 09:25	06/09/2010 14:42	EPA 7196A
Trivalent Chromium	**22.2**		0.500	mg/kg	1	[CALC]	06/11/2010 12:23	06/11/2010 14:37	Calc

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CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/14/2010 14:48

SS76-0-1
1005133-16 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**3.50**		0.50	mg/kg	1	0060154	06/11/2010 12:23	06/11/2010 14:37	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	2.05	mg/kg dry	1	0052524	05/25/2010 09:25	06/09/2010 14:42	EPA 7196A
Trivalent Chromium	**3.50**		0.500	mg/kg	1	[CALC]	06/11/2010 12:23	06/11/2010 14:37	Calc

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/14/2010 14:48

SB76-6-7
1005133-17 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**32.3**		0.50	mg/kg	1	0060154	06/11/2010 12:23	06/11/2010 14:37	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**1.88**	J	2.40	mg/kg dry	1	0052524	05/25/2010 09:25	06/09/2010 14:42	EPA 7196A
Trivalent Chromium	**30.7**		0.500	mg/kg	1	[CALC]	06/11/2010 12:23	06/11/2010 14:37	Calc

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Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/14/2010 14:48

SS87-0-1

1005133-18 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM								
Metals								
Chromium	**12.4**	0.50	mg/kg	1	0060154	06/11/2010 12:23	06/11/2010 14:37	EPA 6010B
WET CHEMISTRY PARAMETERS								
Hexavalent Chromium	**4.90**	2.52	mg/kg dry	1	0052524	05/25/2010 09:25	06/09/2010 14:42	EPA 7196A
Trivalent Chromium	**8.51**	0.500	mg/kg	1	[CALC]	06/11/2010 12:23	06/11/2010 14:37	Calc

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Preeti Khare For Cathy Dover, Project Manager

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/14/2010 14:48

SB87-3-4
1005133-19 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**28.2**		0.50	mg/kg	1	0060154	06/11/2010 12:23	06/11/2010 14:37	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	2.72	mg/kg dry	1	0052524	05/25/2010 09:25	06/09/2010 14:42	EPA 7196A
Trivalent Chromium	**28.2**		0.500	mg/kg	1	[CALC]	06/11/2010 12:23	06/11/2010 14:37	Calc

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/14/2010 14:48

SS68-0-1

1005133-20 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**0.71**		0.50	mg/kg	1	0060154	06/11/2010 12:23	06/11/2010 14:37	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	2.36	mg/kg dry	1	0052524	05/25/2010 09:25	06/09/2010 14:42	EPA 7196A
Trivalent Chromium	**0.710**		0.500	mg/kg	1	[CALC]	06/11/2010 12:23	06/11/2010 14:37	Calc

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CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/14/2010 14:48

WET CHEMISTRY PARAMETERS - Quality Control

COMPUCHEM

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0052524 - Default Prep GenChem										
Blank (0052524-BLK1)				Prepared: 05/25/2010 09:25 Analyzed: 06/09/2010 14:42						
Hexavalent Chromium	ND	2.00	mg/kg wet							
LCS (0052524-BS1)				Prepared: 05/25/2010 09:25 Analyzed: 06/09/2010 14:42						
Hexavalent Chromium	213	10.0	mg/kg wet	240.0		88.5	25-175			
Matrix Spike (0052524-MS1)		**Source: 1005133-01**		Prepared: 05/25/2010 09:25 Analyzed: 06/09/2010 14:42						
Hexavalent Chromium	28.7	2.09	mg/kg dry	41.71	0.00	68.8	75-125			
Matrix Spike Dup (0052524-MSD1)		**Source: 1005133-01**		Prepared: 05/25/2010 09:25 Analyzed: 06/09/2010 14:42						
Hexavalent Chromium	35.9	2.09	mg/kg dry	41.71	0.00	86.1	75-125	22.3	20	

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Preeti Khare For Cathy Dover, Project Manager

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/14/2010 14:48

Notes and Definitions

U	The compound was analyzed for but not detected (CLP U-flag).
J	Compound detected below the Reporting Limit; therefore, result is an estimated concentration (CLP J-flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Default Report (not modified)
			VERSION 6.01:4045
	HEXAVALENT CHROMIU (SOIL)		Result calculations based on MDL
	HEXAVALENT CHROMIU (SOIL)		Special Units: (mg/kg)
	Total Cr by Metals	(Soil)	Result calculations based on MDL
	Total Cr by Metals	(Soil)	Special Units: (mg/kg)
0052524-MS1	HEXAVALENT CHROMIU	Hexavalent Chromium	Exceeds lower control limit
0052524-MSD1	HEXAVALENT CHROMIU	Hexavalent Chromium	Exceeds RPD control limit

CompuChem
A Division Of
Liberty Analytical Corp

Hexavalent Chromium-METHOD 3060A/7196A

Initial Calibration Log

Analyst: JM

Analysis Date: 6-9-10

Work Order(s): 1005133

Calibration Data		
Absorbance Reading	Theoretical Concentration (mg/L)	Calculated Concentration (mg/L)
0.000	0	0.00013
0.034	0.05	0.02176
0.061	0.1	0.03893
0.250	0.4	0.15916
0.645	1	0.41043
1.269	2	0.80737

Regression Output	
Constant	0.000126814
Correlation Coeff.	0.999951468
No. of Observations	5
Degrees of Freedom	4
X Coefficient(s)	0.636123695

Analytical Sequence Log				
Compuchem Sample ID	Final Absorbance ample - backgour	Calculated Concentration (mg/L)	Calculated Concentration (mg/kg)	Comments
ICV	0.655	1.0295	41.1790	
PB	0.000	-0.0002	-0.0080	
LCS	1.999	3.1423	125.6908	over/ see dilution
513301	0.000	-0.0002	-0.0080	
MS	0.438	0.6883	27.5338	
MSD	0.548	0.8613	34.4507	
513302	0.016	0.0250	0.9981	
513303	0.014	0.0218	0.8724	
513304	0.052	0.0815	3.2618	
513305	-0.242	-0.3806	-15.2251	
513306	0.030	0.0470	1.8785	
CCV	0.250	0.3928	15.7122	
CCB	0.000	-0.0002	-0.0080	
513307	0.013	0.0202	0.8095	
513308	0.000	-0.0002	-0.0080	
513309	0.010	0.0155	0.6208	
513310	0.013	0.0202	0.8095	
513311	0.005	0.0077	0.3064	
513312	0.000	-0.0002	-0.0080	
513313	0.031	0.0485	1.9413	
513314	0.000	-0.0002	-0.0080	
513315	0.023	0.0360	1.4383	
513316	-0.005	-0.0081	-0.3224	
CCV	0.249	0.3912	15.6494	
CCB	0.000	-0.0002	-0.0080	
513317	0.025	0.0391	1.5640	
513318	0.062	0.0973	3.8906	
513319	0.001	0.0014	0.0549	
513320	0.000	-0.0002	-0.0080	
LCS 5X	0.676	1.0625	42.4995	212.4975 mg/kg
CCV	0.251	0.3944	15.7751	
CCB	0.000	-0.0002	-0.0080	

ICV = 1.0 mg/L 40 mg/kg

CCV = .4 mg/L 16.0 mg/kg

(LCS 5x dilution) TV = 240 mg/kg

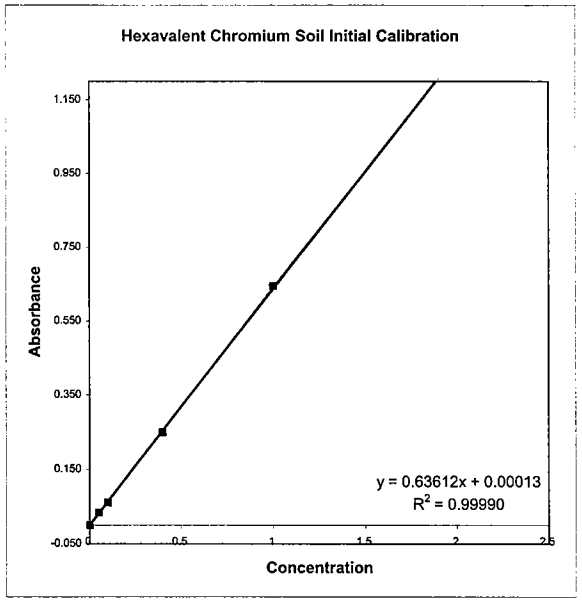
Reviewed by: [signature]

Date: 6-14-10

CompuChem
a division of
Liberty Analytical Corp.

Hexavalent Chromium-METHOD 3060A/7196A

Initial Calibration Log



Reviewed by: _____

Date: 6-14-10

Reagents/Standards Preparation Log for Hexavalent Chromium

CompuChem a division of Liberty Analytical Corp.1 UUUU

NAME	PREPARATION INSTRUCTIONS	PREPARED BY	DATE
Cr (VI) Digestion Solution NaOH Ref# 1u(6)1-13-28 Na_2CO_3 Ref# 1u(6)1-13-24	Place in a 1L volumetric flask: 20 g of NaOH 30 g of Na_2CO_3 Dilute to the volume with reagent water. Place solution in a Teflon bottle. Prepare fresh monthly or as needed	JM	06 08 10
Cr (VI) Stock Standard A Solution (**1000 mg/L**) Ref# 1u(6)1-17-25	N/A; Prepared by NSI - Hexavalent Chromium stock standard at 1000 mg/L **USE FOR ICV**	NSI	**EXP: 01/11**
Cr (VI) Intermediate Standard Solution (**10 mg/L**) Ref# 1u(6)1-17-25	Place in a 100 mL volumetric flask: 1mL of Cr (VI) Stock Standard Solution Dilute to volume reagent water. Prepare fresh daily	JM	06 08 10
Cr (VI) Stock Standard B Solution (**1000 mg/L**) Ref# 1u(6)1-18-2	N/A; Prepared by Alpha Aesar - Hexavalent Chromium stock standard at 1000 mg/L **USE FOR ICAL AND MS/MSD**	JM	06 09 10
Cr (VI) Intermediate Standard Solution (**10 mg/L**) Ref# 1u(6)1-18-2	Place in a 100 mL volumetric flask: 1mL of Cr (VI) Stock Standard B Solution Dilute to volume reagent water. Prepare fresh daily **USE FOR ICAL**	JM	06 09 10
2.0 ppm Standard	Place in a 100 mL volumetric flask: .2 ml of Cr (VI) Stock Standard Solution 50 mL of Cr (VI) Digestion solution Dilute to volume with reagent water. Prepare fresh daily	JM	06 09 10
1.0 ppm Standard	Place in a 100 mL volumetric flask: .1 mL of Cr (VI) stock Standard Solution 50 ml of Cr (VI) Digestion solution Dilute to volume with reagent water. Prepare fresh daily	JM	06 09 10
0.4 ppm Standard **(use for CCV)**	Place in a 100 mL volumetric flask: 4 mL of Cr (VI) **Intermediate** Standard Solution 50 mL of Cr (VI) Digestion solution Dilute to volume with reagent water. Prepare fresh daily	JM	06 09 10

Reagents/Standards Preparation Log for Hexavalent Chromium

CompuChem a division of Liberty Analytical Corp.1 UUUU

NAME	PREPARATION INSTRUCTIONS	PREPARED BY	DATE
0.1 ppm Standard **USE FOR LOQ**	Place in a 100 mL volumetric flask: 1 mL of Cr (VI) **Intermediate** Standard Solution 50 mL of Cr (VI) Digestion solution Dilute to volume with reagent water. Prepare fresh daily	JM	06 09 10
0.05 ppm Standard **USE FOR MDL and LOD**	Place in a 100 mL volumetric flask: .5 mL of Cr (VI) **Intermediate** Standard Stock Solution 50 mL of Cr (VI) Digestion solution Dilute to volume with reagent water. Prepare fresh daily	JM	06 09 10
ICV 1.0 ppm	Place in a 100 mL volumetric flask: .1 mL of Cr (VI) Cr (VI) Stock Standard B 50 mL of Cr (VI) Digestion solution Dilute to volume with reagent water. Prepare fresh daily	JM	06 09 10
ICB/CCB	50 mL of Cr (VI) Digestion solution in 50 ml of DI water	JM	06 09 10
LCS TV=240 mg/kg Hexavilent chromium in soil Ref# 1u(6)1-19-3	Place in a 250 mL beaker: Weigh 2.5g of Hexavalent Chromium reference standard 50 mL of Cr (VI) Digestion solution	JM	06 07 10
Matrix Spiking Solution Ref#:1u(6)1-17-25	Spike .1 ml of the 1000 ppm stock standard in 2.5 g of the original	JM	06 07 10
Phosphate Buffer Solution K2hpo4Ref# 1U(6)1-14-16 Kh2po4Ref#1u(6)1-12-21	Place in 1 L volumetric flask: 87.09g of K_2HPO_4 and 68.04 g of KH_2PO_4 Dilute to volume with reagent water. Prepare fresh every six months	JM	06 07 10
Diphenylcarbazide Solution Ref#:1U(6)1-15-22	Place in a 100 mL volumetric flask: 0.5 g of 1,5-diphenylcarbazide Dilute to volume with acetone. Prepare fresh monthly of sooner, if solution becomes colored.	JM	06 09 10

Reviewed by: _____ Date: 6-9-10 The presence of the Chemist's/Analyst's employee ID number, or signature, on this log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

11-18-09 jm

Hexavalent Chromium Analysis Log

Modified Method SW-846: 7196A

Analyst JM
SDG ID 1005133
Reviewed By: JD
Date: 6/14/10

Date: 6-9-10
Correlation Coefficient See ICAL & ASL
Slope:
Intercept:

#	Sample ID	Acidic pH	Uncorrected Absorbance	Background Abosrbance	Corrected Absorbance	Dilution	Concentration	Color	Read Time
	0		.000	.000	.000	1	NA	NA	20:00
	0.05		.034	.000	.034	1			
	0.1		.061	.000	.061	1			
	0.41		.250	.000	.250	1			
	1.0		.645	.000	.645	1			
	2.0		1.269	.000	1.269	1			
	ICV		.655	.000	.655	1			
1	0052524-BH		.000	.000	.000	1			
2	BS1		1.999...	.052	NA	1			
3	BS1		.700	.024	.676	5x			
4	1005133-01		.034	.034	.000	1			
5	MS1		.472	.034	.438	1			
6	MS1D		.580	.032	.548	1			
7	-02		.016	.016	.000	1			
8	-03		.061	.061	.000	1			
9	-04		.098	.046	.052	1			
10	-05		.059	.300	-.241	1			
	CCV		.250	.000	.250	1			
	CCB		.000	.000	.000	1			
1	-06		.040	.010	.030	1			
2	-07		.073	.060	.013	1			
3	-08		.033	.033	.000	1			
4	-09		.030	.020	.010	1			
5	-10		.018	~~.009~~ .005 per JM	.013	1			
6	-11		.025	.020	.005	1			
7	-12		.056	.056	.000	1			
8	-13		.031	.000	.031	1			
9	-14		.059	.059	.000	1			
10	-15		.046	.023	.023	1			
	CCV		.249	.000	.249	1			
	CCB		.000	.000	.000	1			

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

5/5/06:jad

JM 6-9-10

Hexavalent Chromium Analysis Log

Modified Method SW-846: 7196A

Analyst JM

SDG ID 1005133

Reviewed By: JR

Date: 6-14-10

Date: 6-9-10

Correlation Coefficient See ICAL & ASL

Slope:

Intercept:

#	Sample ID	Acidic pH	Uncorrected Absorbance	Background Abosrbance	Corrected Absorbance	Dilution	Concentration	Color	Read Time
	-16		.025	.030	-.005	1	NA	NA	
	-17		.050	.025	.025	1			
	-18		.118	.056	.062	1			
	-19	.129	~~.147~~	.130	.001	1			
	-20		.020	.020	.000	1			
	CCV		.251	.000	.251	1			
	CCB		.000	.000	.000	1			20:45
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
	CCV								
	CCB								
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
	CCV								
	CCB								

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

~~49~~ JM 6/9/2

CompuChem, a division of Liberty Analytical Corp.

Worksheet 1 K (8) **Cr(VI) DIGESTION PREP** Page __1___ of __1___

SDG # **1005133** **SW-846 Method 3060A**

Analyst No.: 2477 6-8-10 Date: ~~6-10 6-9-10~~ 6-5-10

CompuChem No.	Sample Type	Sample weight (gms)	Hot Plate Temp °C	Sample filtered? (Y or N)	Final volume (mL)	Comments
0052524-BLK1	Blank	2.5	95	Y	100	09:00
0052524-BS1	LCS	2.50				
1005133-01	Sample	2.50				
0052524-MS1	MS	2.50				
0052524-MSD1	MSD	2.50				
1005133-02	Sample	2.50				10:00
1005133-03	Sample	2.50				
1005133-04	Sample	2.50				
1005133-05	Sample	2.50				
1005133-06	Sample	2.51				
1005133-07	Sample	2.50				
1005133-08	Sample	2.51				11:00
1005133-09	Sample	2.50				
1005133-10	Sample	2.53				
1005133-11	Sample	2.50				
1005133-12	Sample	2.51				
1005133-13	Sample	2.51				
1005133-14	Sample	2.94				12:00
1005133-15	Sample	2.51				
1005133-16	Sample	2.52				
1005133-17	Sample	2.51				
1005133-18	Sample	2.50				
1005133-19	Sample	2.50				
1005133-20	Sample	2.51				13:00

Digestion Solution -	06 07 10 jm
Phosphate Buffer Solution -	06 07 10 jm

Digestion Time Start - 09:00

Matrix Spiking Solution (100mg/L CrVI) - ~~052206jm~~ 060810jm lu(6)1-18-2 Digestion Time Stop - 13:00

NaOH ref #	lu(6)1-13-28
K_2HPO_4 ref #	lu(6)1-14-6
KH_2PO_4 ref #	lu(6)1-12-21

Reviewed By: _____ Date: 6-14-10

The presence of the Chemist's/analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Generated on: 6/2/2010 9:31 AM

3/24/10:jad

SW846 - METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS73-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix (soil/water): SOIL Lab Sample ID: 1005133-01

Level (low/med): LOW Date Received: 5/14/2010

% Solids: 95.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4950			P
7440-36-0	Antimony	1.2		N	P
7440-38-2	Arsenic	0.81	B		P
7440-39-3	Barium	13.2	B		P
7440-41-7	Beryllium	0.17	B		P
7440-43-9	Cadmium	0.14	B		P
7440-70-2	Calcium	418	B		P
7440-47-3	Chromium	3.8			P
7440-48-4	Cobalt	0.40	B		P
7440-50-8	Copper	0.72			P
7439-89-6	Iron	1460		*	P
7439-92-1	Lead	6.8		N	P
7439-95-4	Magnesium	181	B	E	P
7439-96-5	Manganese	12.1			P
7439-97-6	Mercury	0.027	B		CV
7440-02-0	Nickel	1.5			P
7440-09-7	Potassium	521	U		P
7782-49-2	Selenium	0.52	U		P
7440-22-4	Silver	0.52	U		P
7440-23-5	Sodium	64.4	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	5.4			P
7440-66-6	Zinc	4.9			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SB74-4-5

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix (soil/water): SOIL Lab Sample ID: 1005133-02

Level (low/med): LOW Date Received: 5/19/2010

% Solids: 92.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7340			P
7440-36-0	Antimony	1.3		N	P
7440-38-2	Arsenic	1.5			P
7440-39-3	Barium	9.0	B		P
7440-41-7	Beryllium	0.13	B		P
7440-43-9	Cadmium	0.15	B		P
7440-70-2	Calcium	77.6	B		P
7440-47-3	Chromium	9.5			P
7440-48-4	Cobalt	0.42	B		P
7440-50-8	Copper	2.9			P
7439-89-6	Iron	2100		*	P
7439-92-1	Lead	6.1		N	P
7439-95-4	Magnesium	306	B	E	P
7439-96-5	Manganese	6.0			P
7439-97-6	Mercury	0.036	U		CV
7440-02-0	Nickel	1.2			P
7440-09-7	Potassium	326	B		P
7782-49-2	Selenium	0.37	B		P
7440-22-4	Silver	0.54	U		P
7440-23-5	Sodium	58.5	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	10.6			P
7440-66-6	Zinc	4.3			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SS75-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix (soil/water): SOIL Lab Sample ID: 1005133-03

Level (low/med): LOW Date Received: 5/19/2010

% Solids: 84.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11100			P
7440-36-0	Antimony	1.1	B	N	P
7440-38-2	Arsenic	1.1	U		P
7440-39-3	Barium	11.2	B		P
7440-41-7	Beryllium	0.19	B		P
7440-43-9	Cadmium	0.17	B		P
7440-70-2	Calcium	340	B		P
7440-47-3	Chromium	10.3			P
7440-48-4	Cobalt	0.35	B		P
7440-50-8	Copper	0.74			P
7439-89-6	Iron	2200		*	P
7439-92-1	Lead	6.6		N	P
7439-95-4	Magnesium	322	B	E	P
7439-96-5	Manganese	7.8			P
7439-97-6	Mercury	0.058			CV
7440-02-0	Nickel	2.0			P
7440-09-7	Potassium	203	B		P
7782-49-2	Selenium	0.46	B		P
7440-22-4	Silver	0.57	U		P
7440-23-5	Sodium	60.6	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	12.7			P
7440-66-6	Zinc	3.6			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SB75-3.5-4.5

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix (soil/water): SOIL Lab Sample ID: 1005133-04

Level (low/med): LOW Date Received: 5/19/2010

% Solids: 85.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15300			P
7440-36-0	Antimony	1.2		N	P
7440-38-2	Arsenic	0.77	B		P
7440-39-3	Barium	14.2	B		P
7440-41-7	Beryllium	0.18	B		P
7440-43-9	Cadmium	0.32	B		P
7440-70-2	Calcium	71.9	B		P
7440-47-3	Chromium	15.4			P
7440-48-4	Cobalt	0.57	U		P
7440-50-8	Copper	0.71			P
7439-89-6	Iron	5670		*	P
7439-92-1	Lead	9.0		N	P
7439-95-4	Magnesium	428	B	E	P
7439-96-5	Manganese	9.4			P
7439-97-6	Mercury	0.023	B		CV
7440-02-0	Nickel	1.9			P
7440-09-7	Potassium	416	B		P
7782-49-2	Selenium	0.33	B		P
7440-22-4	Silver	0.57	U		P
7440-23-5	Sodium	51.1	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	15.1			P
7440-66-6	Zinc	4.0			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS63-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix (soil/water): SOIL Lab Sample ID: 1005133-05

Level (low/med): LOW Date Received: 5/19/2010

% Solids: 94.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2060			P
7440-36-0	Antimony	1.3		N	P
7440-38-2	Arsenic	1.1	U		P
7440-39-3	Barium	9.5	B		P
7440-41-7	Beryllium	0.14	B		P
7440-43-9	Cadmium	0.10	B		P
7440-70-2	Calcium	596			P
7440-47-3	Chromium	2.9			P
7440-48-4	Cobalt	0.53	U		P
7440-50-8	Copper	1.1			P
7439-89-6	Iron	1530		*	P
7439-92-1	Lead	9.0		N	P
7439-95-4	Magnesium	136	B	E	P
7439-96-5	Manganese	12.5			P
7439-97-6	Mercury	0.024	B		CV
7440-02-0	Nickel	0.71			P
7440-09-7	Potassium	53.4	B		P
7782-49-2	Selenium	0.37	B		P
7440-22-4	Silver	0.53	U		P
7440-23-5	Sodium	66.0	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	5.0			P
7440-66-6	Zinc	3.9			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SB63-5.5-6.5

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix (soil/water): SOIL Lab Sample ID: 1005133-06

Level (low/med): LOW Date Received: 5/19/2010

% Solids: 83.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13200			P
7440-36-0	Antimony	1.6		N	P
7440-38-2	Arsenic	1.8			P
7440-39-3	Barium	15.6	B		P
7440-41-7	Beryllium	0.20	B		P
7440-43-9	Cadmium	0.28	B		P
7440-70-2	Calcium	133	B		P
7440-47-3	Chromium	15.7			P
7440-48-4	Cobalt	0.34	B		P
7440-50-8	Copper	1.7			P
7439-89-6	Iron	4470		*	P
7439-92-1	Lead	6.4		N	P
7439-95-4	Magnesium	361	B	E	P
7439-96-5	Manganese	7.4			P
7439-97-6	Mercury	0.040	U		CV
7440-02-0	Nickel	2.2			P
7440-09-7	Potassium	406	B		P
7782-49-2	Selenium	0.60	U		P
7440-22-4	Silver	0.60	U		P
7440-23-5	Sodium	117	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	24.5			P
7440-66-6	Zinc	5.4			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SS61-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix (soil/water): SOIL Lab Sample ID: 1005133-07

Level (low/med): LOW Date Received: 5/19/2010

% Solids: 91.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3480			P
7440-36-0	Antimony	1.3		N	P
7440-38-2	Arsenic	1.1	U		P
7440-39-3	Barium	5.3	B		P
7440-41-7	Beryllium	0.11	B		P
7440-43-9	Cadmium	0.12	B		P
7440-70-2	Calcium	101	B		P
7440-47-3	Chromium	3.6			P
7440-48-4	Cobalt	0.26	B		P
7440-50-8	Copper	0.58			P
7439-89-6	Iron	1730		*	P
7439-92-1	Lead	5.1		N	P
7439-95-4	Magnesium	80.2	B	E	P
7439-96-5	Manganese	9.2			P
7439-97-6	Mercury	0.023	B		CV
7440-02-0	Nickel	1.1			P
7440-09-7	Potassium	534	U		P
7782-49-2	Selenium	0.29	B		P
7440-22-4	Silver	0.53	U		P
7440-23-5	Sodium	55.9	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	4.8			P
7440-66-6	Zinc	4.2			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SS61D-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix (soil/water): SOIL Lab Sample ID: 1005133-08

Level (low/med): LOW Date Received: 5/19/2010

% Solids: 93.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2350			P
7440-36-0	Antimony	1.5		N	P
7440-38-2	Arsenic	1.1	U		P
7440-39-3	Barium	3.9	B		P
7440-41-7	Beryllium	0.07	B		P
7440-43-9	Cadmium	0.09	B		P
7440-70-2	Calcium	95.0	B		P
7440-47-3	Chromium	2.6			P
7440-48-4	Cobalt	0.33	B		P
7440-50-8	Copper	0.60			P
7439-89-6	Iron	1040		*	P
7439-92-1	Lead	2.9		N	P
7439-95-4	Magnesium	66.9	B	E	P
7439-96-5	Manganese	8.0			P
7439-97-6	Mercury	0.035	U		CV
7440-02-0	Nickel	0.84			P
7440-09-7	Potassium	536	U		P
7782-49-2	Selenium	0.26	B		P
7440-22-4	Silver	0.54	U		P
7440-23-5	Sodium	53.7	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	3.5			P
7440-66-6	Zinc	4.7			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SB61-6-7

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix (soil/water): SOIL Lab Sample ID: 1005133-09

Level (low/med): LOW Date Received: 5/19/2010

% Solids: 86.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16600			P
7440-36-0	Antimony	1.5		N	P
7440-38-2	Arsenic	0.50	B		P
7440-39-3	Barium	13.5	B		P
7440-41-7	Beryllium	0.18	B		P
7440-43-9	Cadmium	0.24	B		P
7440-70-2	Calcium	138	B		P
7440-47-3	Chromium	13.6			P
7440-48-4	Cobalt	0.59			P
7440-50-8	Copper	1.4			P
7439-89-6	Iron	2910		*	P
7439-92-1	Lead	4.8		N	P
7439-95-4	Magnesium	439	B	E	P
7439-96-5	Manganese	9.0			P
7439-97-6	Mercury	0.038	U		CV
7440-02-0	Nickel	2.5			P
7440-09-7	Potassium	729			P
7782-49-2	Selenium	0.55	U		P
7440-22-4	Silver	0.04	B		P
7440-23-5	Sodium	63.1	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	14.9			P
7440-66-6	Zinc	5.3			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SB61D-6-7

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix (soil/water): SOIL Lab Sample ID: 1005133-10

Level (low/med): LOW Date Received: 5/19/2010

% Solids: 86.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13000			P
7440-36-0	Antimony	1.3		N	P
7440-38-2	Arsenic	1.1	U		P
7440-39-3	Barium	12.3	B		P
7440-41-7	Beryllium	0.18	B		P
7440-43-9	Cadmium	0.17	B		P
7440-70-2	Calcium	122	B		P
7440-47-3	Chromium	11.5			P
7440-48-4	Cobalt	0.56	B		P
7440-50-8	Copper	1.4			P
7439-89-6	Iron	2670		*	P
7439-92-1	Lead	4.7		N	P
7439-95-4	Magnesium	378	B	E	P
7439-96-5	Manganese	8.4			P
7439-97-6	Mercury	0.038	U		CV
7440-02-0	Nickel	2.1			P
7440-09-7	Potassium	612			P
7782-49-2	Selenium	0.57	U		P
7440-22-4	Silver	0.57	U		P
7440-23-5	Sodium	53.9	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	13.5			P
7440-66-6	Zinc	4.4			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS67-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix (soil/water): SOIL Lab Sample ID: 1005133-11

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 44.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6450			P
7440-36-0	Antimony	3.0		N	P
7440-38-2	Arsenic	1.3	B		P
7440-39-3	Barium	9.3	B		P
7440-41-7	Beryllium	0.31	B		P
7440-43-9	Cadmium	0.19	B		P
7440-70-2	Calcium	2470			P
7440-47-3	Chromium	8.4			P
7440-48-4	Cobalt	0.55	B		P
7440-50-8	Copper	8.4			P
7439-89-6	Iron	2760		*	P
7439-92-1	Lead	26.6		N	P
7439-95-4	Magnesium	2120		E	P
7439-96-5	Manganese	9.7			P
7439-97-6	Mercury	0.054	B		CV
7440-02-0	Nickel	2.0			P
7440-09-7	Potassium	438	B		P
7782-49-2	Selenium	0.61	B		P
7440-22-4	Silver	0.11	B		P
7440-23-5	Sodium	4840			P
7440-28-0	Thallium	2.2	U		P
7440-62-2	Vanadium	11.3			P
7440-66-6	Zinc	8.6			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SS72-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix (soil/water): SOIL Lab Sample ID: 1005133-12

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 95.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3100			P
7440-36-0	Antimony	1.1		N	P
7440-38-2	Arsenic	0.62	B		P
7440-39-3	Barium	11.7	B		P
7440-41-7	Beryllium	0.05	B		P
7440-43-9	Cadmium	0.12	B		P
7440-70-2	Calcium	300	B		P
7440-47-3	Chromium	3.6			P
7440-48-4	Cobalt	0.28	B		P
7440-50-8	Copper	0.93			P
7439-89-6	Iron	1660		*	P
7439-92-1	Lead	3.2		N	P
7439-95-4	Magnesium	119	B	E	P
7439-96-5	Manganese	11.7			P
7439-97-6	Mercury	0.019	B		CV
7440-02-0	Nickel	1.1			P
7440-09-7	Potassium	507	U		P
7782-49-2	Selenium	0.51	U		P
7440-22-4	Silver	0.51	U		P
7440-23-5	Sodium	43.7	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	5.2			P
7440-66-6	Zinc	3.7			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SB72-2-3

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix (soil/water): SOIL Lab Sample ID: 1005133-13

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 87.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12100			P
7440-36-0	Antimony	1.4		N	P
7440-38-2	Arsenic	1.8			P
7440-39-3	Barium	12.5	B		P
7440-41-7	Beryllium	0.15	B		P
7440-43-9	Cadmium	0.31	B		P
7440-70-2	Calcium	227	B		P
7440-47-3	Chromium	13.0			P
7440-48-4	Cobalt	0.60			P
7440-50-8	Copper	1.6			P
7439-89-6	Iron	6390		*	P
7439-92-1	Lead	5.9		N	P
7439-95-4	Magnesium	400	B	E	P
7439-96-5	Manganese	11.6			P
7439-97-6	Mercury	0.038	U		CV
7440-02-0	Nickel	3.0			P
7440-09-7	Potassium	420	B		P
7782-49-2	Selenium	0.43	B		P
7440-22-4	Silver	0.57	U		P
7440-23-5	Sodium	48.5	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	18.9			P
7440-66-6	Zinc	5.8			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS88-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix (soil/water): SOIL Lab Sample ID: 1005133-14

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 91.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12800			P
7440-36-0	Antimony	1.4		N	P
7440-38-2	Arsenic	3.2			P
7440-39-3	Barium	25.8			P
7440-41-7	Beryllium	0.27	B		P
7440-43-9	Cadmium	0.51	B		P
7440-70-2	Calcium	1860			P
7440-47-3	Chromium	16.8			P
7440-48-4	Cobalt	0.55	U		P
7440-50-8	Copper	2.5			P
7439-89-6	Iron	9090		*	P
7439-92-1	Lead	22.3		N	P
7439-95-4	Magnesium	496	B	E	P
7439-96-5	Manganese	11.9			P
7439-97-6	Mercury	0.023	B		CV
7440-02-0	Nickel	2.6			P
7440-09-7	Potassium	468	B		P
7782-49-2	Selenium	0.27	B		P
7440-22-4	Silver	0.55	U		P
7440-23-5	Sodium	70.5	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	25.3			P
7440-66-6	Zinc	15.6			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SB88-2.5-3.5

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix (soil/water): SOIL Lab Sample ID: 1005133-15

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 72.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16500			P
7440-36-0	Antimony	1.4		N	P
7440-38-2	Arsenic	6.0			P
7440-39-3	Barium	20.6	B		P
7440-41-7	Beryllium	0.19	B		P
7440-43-9	Cadmium	0.46	B		P
7440-70-2	Calcium	112	B		P
7440-47-3	Chromium	23.6			P
7440-48-4	Cobalt	0.66	U		P
7440-50-8	Copper	1.6			P
7439-89-6	Iron	9690		*	P
7439-92-1	Lead	9.3		N	P
7439-95-4	Magnesium	553	B	E	P
7439-96-5	Manganese	10.5			P
7439-97-6	Mercury	0.045	U		CV
7440-02-0	Nickel	2.3			P
7440-09-7	Potassium	661	B		P
7782-49-2	Selenium	0.59	B		P
7440-22-4	Silver	0.66	U		P
7440-23-5	Sodium	84.3	B		P
7440-28-0	Thallium	1.3	U		P
7440-62-2	Vanadium	56.8			P
7440-66-6	Zinc	6.7			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS76-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix (soil/water): SOIL Lab Sample ID: 1005133-16

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 97.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3660			P
7440-36-0	Antimony	1.3		N	P
7440-38-2	Arsenic	1.1			P
7440-39-3	Barium	11.1	B		P
7440-41-7	Beryllium	0.12	B		P
7440-43-9	Cadmium	0.14	B		P
7440-70-2	Calcium	1130			P
7440-47-3	Chromium	3.5			P
7440-48-4	Cobalt	0.51	U		P
7440-50-8	Copper	1.2			P
7439-89-6	Iron	1500		*	P
7439-92-1	Lead	6.0		N	P
7439-95-4	Magnesium	146	B	E	P
7439-96-5	Manganese	16.6			P
7439-97-6	Mercury	0.018	B		CV
7440-02-0	Nickel	1.2			P
7440-09-7	Potassium	5.2	B		P
7782-49-2	Selenium	0.30	B		P
7440-22-4	Silver	0.51	U		P
7440-23-5	Sodium	52.9	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	4.7			P
7440-66-6	Zinc	4.1			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB76-6-7

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix (soil/water): SOIL Lab Sample ID: 1005133-17

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 83.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16200			P
7440-36-0	Antimony	0.96	B	N	P
7440-38-2	Arsenic	9.0			P
7440-39-3	Barium	22.0	B		P
7440-41-7	Beryllium	0.33	B		P
7440-43-9	Cadmium	1.6			P
7440-70-2	Calcium	159	B		P
7440-47-3	Chromium	32.3			P
7440-48-4	Cobalt	0.58	U		P
7440-50-8	Copper	4.5			P
7439-89-6	Iron	41800		*	P
7439-92-1	Lead	12.9		N	P
7439-95-4	Magnesium	660		E	P
7439-96-5	Manganese	16.6			P
7439-97-6	Mercury	0.040	U		CV
7440-02-0	Nickel	2.4			P
7440-09-7	Potassium	1190			P
7782-49-2	Selenium	1.1			P
7440-22-4	Silver	0.58	U		P
7440-23-5	Sodium	56.2	B		P
7440-28-0	Thallium	1.7			P
7440-62-2	Vanadium	53.4			P
7440-66-6	Zinc	10.0			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS87-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix (soil/water): SOIL Lab Sample ID: 1005133-18

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 79.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9520			P
7440-36-0	Antimony	1.3		N	P
7440-38-2	Arsenic	1.5			P
7440-39-3	Barium	9.3	B		P
7440-41-7	Beryllium	0.13	B		P
7440-43-9	Cadmium	0.15	B		P
7440-70-2	Calcium	147	B		P
7440-47-3	Chromium	12.4			P
7440-48-4	Cobalt	0.58	U		P
7440-50-8	Copper	0.45	B		P
7439-89-6	Iron	1290		*	P
7439-92-1	Lead	7.6		N	P
7439-95-4	Magnesium	250	B	E	P
7439-96-5	Manganese	6.2			P
7439-97-6	Mercury	0.056			CV
7440-02-0	Nickel	1.3			P
7440-09-7	Potassium	128	B		P
7782-49-2	Selenium	0.95			P
7440-22-4	Silver	0.58	U		P
7440-23-5	Sodium	67.7	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	11.8			P
7440-66-6	Zinc	2.6			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB87-3-4

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix (soil/water): SOIL Lab Sample ID: 1005133-19

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 73.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25600			P
7440-36-0	Antimony	1.6		N	P
7440-38-2	Arsenic	2.0			P
7440-39-3	Barium	21.1	B		P
7440-41-7	Beryllium	0.29	B		P
7440-43-9	Cadmium	0.57	B		P
7440-70-2	Calcium	202	B		P
7440-47-3	Chromium	28.2			P
7440-48-4	Cobalt	0.46	B		P
7440-50-8	Copper	0.90			P
7439-89-6	Iron	8310		*	P
7439-92-1	Lead	9.3		N	P
7439-95-4	Magnesium	820		E	P
7439-96-5	Manganese	12.2			P
7439-97-6	Mercury	0.037	B		CV
7440-02-0	Nickel	3.7			P
7440-09-7	Potassium	930			P
7782-49-2	Selenium	0.96			P
7440-22-4	Silver	0.65	U		P
7440-23-5	Sodium	84.0	B		P
7440-28-0	Thallium	1.3	U		P
7440-62-2	Vanadium	39.4			P
7440-66-6	Zinc	9.3			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SS68-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005133

Matrix (soil/water): SOIL Lab Sample ID: 1005133-20

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 84.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	235			P
7440-36-0	Antimony	1.3		N	P
7440-38-2	Arsenic	1.2	U		P
7440-39-3	Barium	4.2	B		P
7440-41-7	Beryllium	0.05	B		P
7440-43-9	Cadmium	0.58	U		P
7440-70-2	Calcium	192	B		P
7440-47-3	Chromium	0.71	B		P
7440-48-4	Cobalt	0.58	U		P
7440-50-8	Copper	0.34	B		P
7439-89-6	Iron	98.9		*	P
7439-92-1	Lead	1.8		N	P
7439-95-4	Magnesium	33.0	B	E	P
7439-96-5	Manganese	2.0			P
7439-97-6	Mercury	0.039	U		CV
7440-02-0	Nickel	0.18	B		P
7440-09-7	Potassium	583	U		P
7782-49-2	Selenium	0.58	U		P
7440-22-4	Silver	0.04	B		P
7440-23-5	Sodium	67.6	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	0.57	B		P
7440-66-6	Zinc	2.2	B		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

24777

55

CHAIN OF CUSTODY

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Page ___ of ___

Courier	
Airbill No.	
Sampling Complete? Y or N	

Client/Reporting Information

Company Name	CH2M HILL
Address	5700 Cleveland St, 101
City / State / Zip	VA Beach / VA / 23462
Project Contact	Rebekha Shaw
Phone #	757-671-6279
Sampler's Name	KRogers / RDU

Project Information

Project Name	CTO-94
Sampling Location	MCB Camp Lejeune
Turnaround time	
Batch QC or Project Specific? If Specific, which Sample ID?	
Are aqueous samples field filtered for metals? Y or N	(N)
Are high concentrations expected? Y or N If yes, which ID(s)?	(N)

Matrix codes: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other.

CompuChem No. (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other	Total Metals (6010B) 20%	Total Chromium (6010B)	SIM PAH's (8270C) 8%	TCL Pest (8081A) 8%	Grain Size (ASTM D422) 8%	Chromium VI (7196A)	Grain Size
1005133-01	BBG-SS73-0-1-10B	5-14-10	0825	SO	3							X		X	X	X	X	1005209-14
—	BBG-SS73-0-1-10B-MS	5-14-10	0825	SO	3							X		X	X	X	X	—
—	BBG-SS73-0-1-10B-SD	5-14-10	0825	SO	3							X		X	X	X	X	—
1005132-13	BBG-SS84-0-1-10B	5-14-10	0855	SO	3							X		X	X	X	X	1005209-15
-14	BBG-SB84-6-7-10B	5-14-10	0905	SO	3							X		X	X	X	X	-16
1005134-01	BBG-SS02-0-1-10B	5-14-10	0930	SO	3								X	X	X	X	X	-17
-02	BBG-SS02D-0-1-10B	5-14-10	0935	SO	3								X	X	X	(*X)	X	—
-03	BBG-SB02-5-6-10B	5-14-10	0940	SO	3								X	X	X	X	X	1005209-18
-04	BBG-SB02D-5-6-10B	5-14-10	0945	SO	3								X	X	X	(*X)	X	—

Lab Use Only

Sample Unpacked By: Jennifer Dorer	Cyanide samples checked for sulfide & chlorine? Y or (NA)	*did not rec'd Grainsize for
Sample Order Entry By: [signature]	625 & Phenol samples checked for chlorine? Y or (NA)	BBG-SS02D-01-10B or BBG-SB02D-5-6-10B
Samples Received in Good Condition? (Y) or N	608 samples checked for pH between 5.0-9.0? Y or (NA)	not needed on "dups" (JD) 5/14/10
If no, explain:		or MS/MSD [illegible]

Sample Custody

Relinquished by: [signature]	Date/Time: 5-14-10 1600	Received by: [signature]	Date/Time: 5-14-10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:
Subcontact? (Y) or N If yes, where? Grain size to CT LABS	Custody Seal(s) intact? Y or (N)	On Ice? (Y) or N	Cooler Temp: 1.7 °C

Samples stored 60 days after date report mailed at no extra charge.

JD 5/14/10 client delivered

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Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: Va Beach State: VA Zip: 23462
Project Contact: Rebukha Shaw
Phone #: 757-671-6279
Sampler's Name: K ROGERS/RDW

Project Information

Project Name: CTO-94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Requested Analysis (and Method)

Matrix
GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

CompuChem No. (Lab Use Only)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Tot Metals 6010B ($ shave 2oz.)	Tot Chromium 6010B	Chrom. VI 7196A	SIM PAH 8270C (1-8oz.)	TCL PEST 8081A (1-8oz.)	GRAIN SIZE ASTM D422		Grain size			Lab Sample Comments
1005133-02	BBG-SB74-4-5-10B	5-17	1600	SO	3							X		X	X	X	X		1005211-01			
-03	BBG-SS75-0-1-10B	5-17	1635	SO	3							X		X	X	X	X				-02	
-04	BBG-SB75-3.5-4.5-10B	5-17	1645	SO	3							X		X	X	X	X				-03	
-05	BBG-SS63-0-1-10B	5-18	0840	SO	3							X		X	X	X	X				-04	
-06	BBG-SB63-5.5-6.5-10B	5-18	0900	SO	3							X		X	X	X	X				-05	
-07	BBG-SS61-0-1-10B	5-18	0945	SO	3							X		X	X	X	X				-06	
-08	BBG-SS61D-0-1-10B	5-18	0950	SO	2							X		X	X	X					-07 (8270)	5/24/10
-09	BBG-SB61-6-7-10B	5-18	0955	SO	3							X		X	X	X	X		1005211-07			
-10	BBG-SB61D-6-7-10B	5-18	1000	SO	2							X		X	X	X						

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

Sample Custody

Relinquished by:	Date/Time: 5.18.10 1420	Received by: K. Manning	Date/Time: 5-19-10 0905
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? (Y) or N If yes, where? Grain size to CT LABS
Custody Seal(s) intact? (Y) or N
On Ice? (Y) or N
Cooler Temp: 1.5 °C

Samples stored 60 days after date report mailed at no extra charge.

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Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M Hill
Address: 5700 Cleveland St, 101
City: Va Beach State: VA Zip: 23462
Project Contact: Rebekha Shaw
Phone #: 757-671-6279
Sampler's Name: K. Rogers

Project Information

Project Name: CTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N)? If yes, which ID(s)?

Matrix
GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

CompuChem ID (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B (Share)	Tot Cr 6010B 1-202	Cr VI 7196A	SIM PAH 8270C (Share)	TCL PEST 8081A 1-802	Grain Size ASTM D422 (1-802)	Grain Size	Lab Use
1005132-15	BBG-SB81-0-1-10B	5.18	1600	SO	3							X		X	X	X	X	1005212-01	
-16	BBG-SB81-5.6-10B	5.18	1620	SO	3							X		X	X	X	X	-02	
1005133-11	BBG-SB67-0-1-10B	5.18	1700	SO	3							X		X	X	X	X	-03	
1005134-14	BBG-SB50-1-2-10B	5.18	1750	SO	3								X	X	X	X	X	-04	
1005132-17	BBG-SB71-0-1-10B	5.19	0735	SO	3							X		X	X	X	X	-05	
-18	BBG-SB71D-0-1-10B	5.19	0740	SO	3							X		X	X	X			
-19	BBG-SB71-4-5-10B	5.19	0755	SO	3							X		X	X	X	X	1005212-06	
-20	BBG-SB71D-4-5-10B	5.19	0800	SO	2							X		X	X	X			
1005133-12	BBG-SB72-0-1-10B	5.19	0835	SO	3							X		X	X	X	X	1005212-07	
-13	BBG-SB72-2-3-10B	5.19	0845	SO	3							X		X	X	X	X	-08	

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By: Kelly Dow
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or N/A
625 & Phenol samples checked for chlorine? Y or N/A
608 samples checked for pH between 5.0-9.0? Y or N/A

Comments

Sample Custody

Relinquished by:	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5.21.10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? (Y) or N If yes, where? Grain size to CTLABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 4.3 °C

Samples stored 60 days after date report mailed at no extra charge.

Client Delivery-KM 5.21.10

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Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: VA BEACH State: VA Zip: 23462
Project Contact: Rebekka Shaw
Phone #: 757-671-6279
Sampler's Name: K. Rogers

Project Information

Project Name: CTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER Contract
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Matrix Codes
GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

Compuchem Sample ID (Lab Use Only)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B (Share 1-802)	Tot Cr 6010B (Share 1-802)	Cr VI 7196A (Share 1-802) KM 5.21.10	PAH 8270C	TCL Pest 8081A	Grain Size ASTM D422 (1-802)		Grain Size		
1005133-14	BBG-SS88-0-1-10B	5.19	0910	SO	3							X		X	X	X	X		1005210-09		
-15	BBG-SB88-2.5-3.5-10B	5.19	0925	SO	3							X		X	X	X	X				-10
-16	BBG-SS76-0-1-10B	5.19	0955	SO	3							X		X	X	X	X				-11
-17	BBG-SB76-6-7-10B	5.19	1045	SO	3							X		X	X	X	X				-12
-18	BBG-SS87-0-1-10B	5.19	1145	SO	3							X		X	X	X	X				-13
-19	BBG-SB87-3-4-10B	5.19	1155	SO	3							X		X	X	X	X				-14
1005134-15	BBG-SS12-0-1-10B	5.19	1245	SO	3								X	X	X	X	X				-15
-16	BBG-SB12-2-3-10B	5.19	1255	SO	3								X	X	X	X	X				-16
1005157-02	BBG-SS51-0-1-10B	5.19	1630	SO	3							X		X	X	X	X		✓		-17
-03	BBG-SS51D-0-1-10B	5.19	1635	SO	2							X		X	X	X					—

Sample Unpacked By: K. Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Relinquished by:	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5.21.10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? (Y) or N If yes, where? Grain size to CT LABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 3.9 °C

Samples stored 60 days after date report mailed at no extra charge.

KM 5.21.10 - Client Delivery

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Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: Va Beach State: VA Zip: 23462
Project Contact: REBEKHA SHAW
Phone #: 757-671-6279
Sampler's Name: K. ROGERS

Project Information

Project Name: CTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Requested Analysis (see codes below)

Matrices

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

Lab Use	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Preserved: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B (share 1-2B2)	tot Cr 6010B	Cr VI 7196A	SIM PAH 8270C (share 1-2B2)	DCL PEST 8081A	Grain Size ASTM D422 (1-2B2)		Grain Size			Sample Comments
1005157-04	BBG-SS90-0-1-10B	5.19	1455	SO	3							X		X	X	X	X		1005212-18			
-05	BBG-SB90-2-3-10B	5.19	1500	SO	3							X		X	X	X	X		-19			
1005134-17	BBG-SS44-0-1-10B	5.20	0810	SO	3								X	X	X	X	X		-20			
1005134-18	BBG-SB44-5-6-10B	5.20	0825	SO	3								X	X	X	X	X		1005213-01			
	BBG-SB44-5-6-10B-MS	5.20	0825	SO	2								X	X	X	X			—			
	BBG-SB44-5-6-10B-SD	5.20	0825	SO	2								X	X	X	X			—			
1005133-20	BBG-SS68-0-1-10B	5.20	~~0830~~ 0930	SO	3							X		X	X	X	X		1005213-02			
1005134-19	BBG-SS43-0-1-10B	5.20	1035	SO	3								X	X	X	X	X		-03			
-20	BBG-SB43-3-4-10B	5.20	1045	SO	3								X	X	X	X	X		-04			

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (N/A)
625 & Phenol samples checked for chlorine? Y or (N/A)
608 samples checked for pH between 5.0-9.0? Y or (N/A)

Sample Custody

Relinquished by:	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5.21.10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? (Y) or N If yes, where? Grain size to CT ABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 3.1 °C

Samples stored 60 days after date report mailed at no extra charge.

Client Delivery - KM 5/21/10

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Sample ID Cross Reference

LAB WO	Project	Sample #	Field ID	Sample Date	Receive Date	DueDate	Chain of Custody ID
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-01	SS73-0-1	05/14/2010	05/14/2010	06/03/2010	BBG-SS73-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-01	SS73-0-1	05/14/2010	05/14/2010	06/10/2010	BBG-SS73-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-02	SB74-4-5	05/17/2010	05/19/2010	06/03/2010	BBG-SB74-4-5-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-02	SB74-4-5	05/17/2010	05/19/2010	06/10/2010	BBG-SB74-4-5-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-03	SS75-0-1	05/17/2010	05/19/2010	06/03/2010	BBG-SS75-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-03	SS75-0-1	05/17/2010	05/19/2010	06/10/2010	BBG-SS75-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-04	SB75-3.5-4.5	05/17/2010	05/19/2010	06/03/2010	BBG-SB75-3.5-4.5-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-04	SB75-3.5-4.5	05/17/2010	05/19/2010	06/10/2010	BBG-SB75-3.5-4.5-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-05	SS63-0-1	05/18/2010	05/19/2010	06/03/2010	BBG-SS63-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-05	SS63-0-1	05/18/2010	05/19/2010	06/10/2010	BBG-SS63-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-06	SB63-5.5-6.5	05/18/2010	05/19/2010	06/03/2010	BBG-SB63-5.5-6.5-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-06	SB63-5.5-6.5	05/18/2010	05/19/2010	06/10/2010	BBG-SB63-5.5-6.5-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-07	SS61-0-1	05/18/2010	05/19/2010	06/03/2010	BBG-SS61-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-07	SS61-0-1	05/18/2010	05/19/2010	06/10/2010	BBG-SS61-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-08	SS61D-0-1	05/18/2010	05/19/2010	06/03/2010	BBG-SS61D-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-08	SS61D-0-1	05/18/2010	05/19/2010	06/10/2010	BBG-SS61D-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-09	SB61-6-7	05/18/2010	05/19/2010	06/03/2010	BBG-SB61-6-7-10B

LAB WO	Project	Sample #	Field ID	Sample Date	Receive Date	DueDate	Chain of Custody ID
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-09	SB61-6-7	05/18/2010	05/19/2010	06/10/2010	BBG-SB61-6-7-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-10	SB61D-6-7	05/18/2010	05/19/2010	06/03/2010	BBG-SB61D-6-7-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-10	SB61D-6-7	05/18/2010	05/19/2010	06/10/2010	BBG-SB61D-6-7-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-11	SS67-0-1	05/18/2010	05/19/2010	06/03/2010	BBG-SS67-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-11	SS67-0-1	05/18/2010	05/19/2010	06/10/2010	BBG-SS67-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-12	SS72-0-1	05/19/2010	05/19/2010	06/03/2010	BBG-SS72-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-12	SS72-0-1	05/19/2010	05/19/2010	06/10/2010	BBG-SS72-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-13	SB72-2-3	05/19/2010	05/19/2010	06/03/2010	BBG-SB72-2-3-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-13	SB72-2-3	05/19/2010	05/19/2010	06/10/2010	BBG-SB72-2-3-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-14	SS88-0-1	05/19/2010	05/19/2010	06/03/2010	BBG-SS88-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-14	SS88-0-1	05/19/2010	05/19/2010	06/10/2010	BBG-SS88-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-15	SB88-2.5-3.5	05/19/2010	05/19/2010	06/03/2010	BBG-SB88-2.5-3.5-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-15	SB88-2.5-3.5	05/19/2010	05/19/2010	06/10/2010	BBG-SB88-2.5-3.5-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-16	SS76-0-1	05/19/2010	05/19/2010	06/03/2010	BBG-SS76-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-16	SS76-0-1	05/19/2010	05/19/2010	06/10/2010	BBG-SS76-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-17	SB76-6-7	05/19/2010	05/19/2010	06/03/2010	BBG-SB76-6-7-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-17	SB76-6-7	05/19/2010	05/19/2010	06/10/2010	BBG-SB76-6-7-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-18	SS87-0-1	05/19/2010	05/19/2010	06/03/2010	BBG-SS87-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-18	SS87-0-1	05/19/2010	05/19/2010	06/10/2010	BBG-SS87-0-1-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-19	SB87-3-4	05/19/2010	05/19/2010	06/03/2010	BBG-SB87-3-4-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-19	SB87-3-4	05/19/2010	05/19/2010	06/10/2010	BBG-SB87-3-4-10B
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-20	SS68-0-1	05/20/2010	05/19/2010	06/03/2010	BBG-SS68-0-1-10B

LAB WO	Project	Sample #	Field ID	Sample Date	Receive Date	DueDate	Chain of Custody ID
1005133	CTO-094 MCB CAMP LEJEUNE/39530	1005133-20	SS68-0-1	05/20/2010	05/19/2010	06/10/2010	BBG-SS68-0-1-10B

WORK ORDER

Printed: 5/28/2010 6:52:37PM

1005133

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005133** **CASE:**	**Status:**	**Prepared**

Report To:
CH2M HILL, INC.
REBEKHA SHAW
5700 CLEVELAND STREET, SUITE 101
VIRGINIA BEACH, VA 23462
Phone: 757-671-8311
Fax: -

Invoice To:
CH2M HILL, INC.
ACCOUNTS PAYABLE
P.O. BOX 241329
DENVER, CO 80224
Phone :757-671-8311
Fax: -

Date Due: 06/10/2010 00:00 (20 day TAT)

Received By: Cathy Dover — Date Received: 05/21/2010 16:00

Logged In By: Cathy Dover — Date Logged In: 05/16/2010 22:42

J & B Flags?: **YES**	TICS?:**NO**	Deliverable: **Style 9 PQL/MDL Forms**	EDD : **30) CH2 SNEDD**
Metals ND to? **RL/CRQL**	Spike Level: **FULL Spike**		

DOD CRITERIA*USE 1005133-01 FOR QC*SIM 8270C=PAH.SUB*PEST 8081A*TAL METALS*HEXAVALENT Cr 7196A + Cr+3 REPORTED ON FORMS & EDD

Analysis	Due	TAT	Expires	Received	Comments
1005133-01 SS73-0-1 [Soil] Sampled 05/14/2010 08:25 Eastern					**USE FOR QC**
Solids, Dry Weight	06/03/2010 16:00	13	11/10/2010 08:25	05/14/2010 16:00	
6010B METALS TAL	06/10/2010 16:00	20	11/10/2010 08:25	05/14/2010 16:00	
7470A/7471A Mercury	06/10/2010 16:00	20	06/11/2010 08:25	05/14/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/28/2010 08:25	05/14/2010 16:00	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/10/2010 08:25	05/14/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	05/28/2010 08:25	05/14/2010 16:00	SubList = GC- 8081 DOD
1005133-02 SB74-4-5 [Soil] Sampled 05/17/2010 16:00 Eastern					
6010B METALS TAL	06/10/2010 16:00	20	11/13/2010 16:00	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/31/2010 16:00	05/19/2010 09:05	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/13/2010 16:00	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/14/2010 16:00	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/13/2010 16:00	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	05/31/2010 16:00	05/19/2010 09:05	SubList = GC- 8081 DOD

1005133

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005133** **CASE:**	**Status:**	**Prepared**

Analysis	Due	TAT	Expires		Comments
1005133-03 SS75-0-1 [Soil] Sampled 05/17/2010 16:35 Eastern					
7470A/7471A Mercury	06/10/2010 16:00	20	06/14/2010 16:35	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/13/2010 16:35	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/13/2010 16:35	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/13/2010 16:35	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/31/2010 16:35	05/19/2010 09:05	SubList = SVsim- PAH
GC-8081A/PEST	06/10/2010 16:00	20	05/31/2010 16:35	05/19/2010 09:05	SubList = GC- 8081 DOD
1005133-04 SB75-3.5-4.5 [Soil] Sampled 05/17/2010 16:45 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/13/2010 16:45	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/13/2010 16:45	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/14/2010 16:45	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	05/31/2010 16:45	05/19/2010 09:05	SubList = GC- 8081 DOD
Solids, Dry Weight	06/03/2010 16:00	13	11/13/2010 16:45	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/31/2010 16:45	05/19/2010 09:05	SubList = SVsim- PAH
1005133-05 SS63-0-1 [Soil] Sampled 05/18/2010 08:40 Eastern					
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 08:40	05/19/2010 09:05	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 08:40	05/19/2010 09:05	SubList = SVsim- PAH
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 08:40	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/15/2010 08:40	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/14/2010 08:40	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 08:40	05/19/2010 09:05	
1005133-06 SB63-5.5-6.5 [Soil] Sampled 05/18/2010 09:00 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 09:00	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 09:00	05/19/2010 09:05	SubList = SVsim- PAH
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 09:00	05/19/2010 09:05	SubList = GC- 8081 DOD
7470A/7471A Mercury	06/10/2010 16:00	20	06/15/2010 09:00	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 09:00	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/14/2010 09:00	05/19/2010 09:05	

COMPUCHEM

Client:	CH2M HILL, INC.	**Project Manager:**	Cathy Dover
Project:	CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Project Number:**	CTO-094 MCB CAMP LEJEUNE/395307.SA.DI
SDG:	1005133 **CASE:**	**Status:**	Received

Analysis	Due	TAT	Expires		Comments
1005133-07 SS61-0-1 [Soil] Sampled 05/18/2010 09:45 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 09:45	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/15/2010 09:45	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/14/2010 09:45	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 09:45	05/19/2010 09:05	SubList = GC- 8081 DOD
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 09:45	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 09:45	05/19/2010 09:05	SubList = SVsim- PAH
1005133-08 SS61D-0-1 [Soil] Sampled 05/18/2010 09:50 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 09:50	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/14/2010 09:50	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/15/2010 09:50	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 09:50	05/19/2010 09:05	SubList = SVsim- PAH
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 09:50	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 09:50	05/19/2010 09:05	SubList = GC- 8081 DOD
1005133-09 SB61-6-7 [Soil] Sampled 05/18/2010 09:55 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 09:55	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/15/2010 09:55	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 09:55	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 09:55	05/19/2010 09:05	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 09:55	05/19/2010 09:05	SubList = SVsim- PAH
6010B METALS TAL	06/10/2010 16:00	20	11/14/2010 09:55	05/19/2010 09:05	
1005133-10 SB61D-6-7 [Soil] Sampled 05/18/2010 10:00 Eastern					
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 10:00	05/19/2010 09:05	SubList = SVsim- PAH
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 10:00	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/15/2010 10:00	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 10:00	05/19/2010 09:05	SubList = GC- 8081 DOD
6010B METALS TAL	06/10/2010 16:00	20	11/14/2010 10:00	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 10:00	05/19/2010 09:05	

1005133

COMPUCHEM

Client:	CH2M HILL, INC.	**Project Manager:**	Cathy Dover
Project:	CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Project Number:**	CTO-094 MCB CAMP LEJEUNE/395307.SA.D
SDG:	1005133 **CASE:**	**Status:**	Prepared

Analysis	Due	TAT	Expires		Comments
1005133-11 SS67-0-1 [Soil] Sampled 05/18/2010 17:00 Eastern					
6010B METALS TAL	06/10/2010 16:00	20	11/14/2010 17:00	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 17:00	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 17:00	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/15/2010 17:00	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 17:00	05/19/2010 09:05	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 17:00	05/19/2010 09:05	SubList = SVsim- PAH
1005133-12 SS72-0-1 [Soil] Sampled 05/19/2010 08:35 Eastern					
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 08:35	05/19/2010 09:05	SubList = SVsim- PAH
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 08:35	05/19/2010 09:05	SubList = GC- 8081 DOD
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 08:35	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 08:35	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 08:35	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 08:35	05/19/2010 09:05	
1005133-13 SB72-2-3 [Soil] Sampled 05/19/2010 08:45 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 08:45	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 08:45	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 08:45	05/19/2010 09:05	SubList = SVsim- PAH
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 08:45	05/19/2010 09:05	SubList = GC- 8081 DOD
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 08:45	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 08:45	05/19/2010 09:05	
1005133-14 SS88-0-1 [Soil] Sampled 05/19/2010 09:10 Eastern					
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 09:10	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 09:10	05/19/2010 09:05	SubList = SVsim- PAH
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 09:10	05/19/2010 09:05	SubList = GC- 8081 DOD
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 09:10	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 09:10	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 09:10	05/19/2010 09:05	

1005133

COMPUCHEM

Client:	CH2M HILL, INC.	**Project Manager:**	Cathy Dover
Project:	CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Project Number:**	CTO-094 MCB CAMP LEJEUNE/395307.SA.D
SDG:	1005133 **CASE:**	**Status:**	Prepared

Analysis	Due	TAT	Expires		Comments
1005133-15 SB88-2.5-3.5 [Soil] Sampled 05/19/2010 09:25 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 09:25	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 09:25	05/19/2010 09:05	SubList = GC- 8081 DOD
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 09:25	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 09:25	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 09:25	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 09:25	05/19/2010 09:05	SubList = SVsim- PAH
1005133-16 SS76-0-1 [Soil] Sampled 05/19/2010 09:55 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 09:55	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 09:55	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 09:55	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 09:55	05/19/2010 09:05	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 09:55	05/19/2010 09:05	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 09:55	05/19/2010 09:05	
1005133-17 SB76-6-7 [Soil] Sampled 05/19/2010 10:45 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 10:45	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 10:45	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 10:45	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 10:45	05/19/2010 09:05	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 10:45	05/19/2010 09:05	SubList = SVsim- PAH
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 10:45	05/19/2010 09:05	
1005133-18 SS87-0-1 [Soil] Sampled 05/19/2010 11:45 Eastern					
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 11:45	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 11:45	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 11:45	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 11:45	05/19/2010 09:05	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 11:45	05/19/2010 09:05	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 11:45	05/19/2010 09:05	

1005133

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005133** **CASE:**	**Status:**	**Batched**

Analysis	Due	TAT	Expires		Comments
1005133-19 SB87-3-4 [Soil] Sampled 05/19/2010 11:55 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 11:55	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 11:55	05/19/2010 09:05	SubList = SVsim- PAH
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 11:55	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 11:55	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 11:55	05/19/2010 09:05	SubList = GC- 8081 DOD
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 11:55	05/19/2010 09:05	
1005133-20 SS68-0-1 [Soil] Sampled 05/20/2010 09:30 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 09:30	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 09:30	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 09:30	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 09:30	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 09:30	05/19/2010 09:05	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 09:30	05/19/2010 09:05	SubList = SVsim- PAH

Analysis groups included in this work order

TRIVALENT CHROMIUM Cr3 7196A

Total Cr by Metals	HEXAVALENT CHROMI

INTERNAL DIGESTION COC

0052524

COMPUCHEM

Printed: 6/2/2010 9:30:27AM

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Matrix: Soil **Prepared using: WET CHEM - Default Prep GenChe**

Lab Number	Client ID	Sample Type	
0052524-BLK1	0052524-BLK1	Blank	
0052524-BS1	0052524-BS1	LCS	
0052524-MS1	SS73-0-1MS	Matrix Spike	
0052524-MSD1	SS73-0-1MSD	Matrix Spike Dup	
1005133-01	SS73-0-1	Sample	
1005133-02	SB74-4-5	Sample	
1005133-03	SS75-0-1	Sample	
1005133-04	SB75-3.5-4.5	Sample	
1005133-05	SS63-0-1	Sample	
1005133-06	SB63-5.5-6.5	Sample	
1005133-07	SS61-0-1	Sample	
1005133-08	SS61D-0-1	Sample	
1005133-09	SB61-6-7	Sample	
1005133-10	SB61D-6-7	Sample	
1005133-11	SS67-0-1	Sample	
1005133-12	SS72-0-1	Sample	
1005133-13	SB72-2-3	Sample	
1005133-14	SS88-0-1	Sample	

[signature]	6/8/10	Wetclem [signature]	6-8-10
Relinquished By	Date	Received By	Date
Wetclem [signature]	6-9-10	Storage	6-9-10
Relinquished By	Date	Received By	Date
Relinquished By	Date	Received By	Date
Relinquished By	Date	Received By	Date

0052524

COMPUCHEM

Printed: 6/2/2010 9:30:27AM

Matrix: Soil **Prepared using: WET CHEM - Default Prep GenChe**

Lab Number	Client ID	Sample Type	
1005133-15	SB88-2.5-3.5	Sample	
1005133-16	SS76-0-1	Sample	
1005133-17	SB76-6-7	Sample	
1005133-18	SS87-0-1	Sample	
1005133-19	SB87-3-4	Sample	
1005133-20	SS68-0-1	Sample	

JM	6-8-10	Wetzler, JM	6-8-10
Relinquished By	Date	Received By	Date
Wetzler, JM	6-8-10	Storage	6-9-10
Relinquished By	Date	Received By	Date
Relinquished By	Date	Received By	Date
Relinquished By	Date	Received By	Date

Extractions Custody Sheet

Inorg Prep Lab

Batch: 0052524 **Status**: Batched **Analysis**: HEXAVALENT CHROMIUM 7196A

Lab Id	Client_Id	Received	Container	Extraction	Preservative	Matrix	Due Date	Cust Date
1005133-01 F	SS73-0-1	05/14/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Soil	6/3/2010 4	5/17/2010
1005133-02 B	SB74-4-5	05/19/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Soil	6/3/2010 4	5/28/2010
1005133-03 B	SS75-0-1	05/19/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Soil	6/3/2010 4	5/20/2010
1005133-04 B	SB75-3.5-4.5	05/19/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Soil	6/3/2010 4	5/28/2010
1005133-05 B	SS63-0-1	05/19/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Soil	6/3/2010 4	5/28/2010
1005133-06 B	SB63-5.5-6.5	05/19/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Soil	6/3/2010 4	5/28/2010
1005133-07 B	SS61-0-1	05/19/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Soil	6/3/2010 4	5/28/2010
1005133-08 B	SS61D-0-1	05/19/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Soil	6/3/2010 4	5/28/2010
1005133-09 B	SB61-6-7	05/19/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Soil	6/3/2010 4	5/28/2010
1005133-10 B	SB61D-6-7	05/19/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Soil	6/3/2010 4	5/28/2010
1005133-11 B	SS67-0-1	05/19/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Soil	6/3/2010 4	5/28/2010
1005133-12 B	SS72-0-1	05/19/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Soil	6/3/2010 4	5/28/2010
1005133-13 B	SB72-2-3	05/19/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Soil	6/3/2010 4	5/28/2010
1005133-14 B	SS88-0-1	05/19/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Soil	6/3/2010 4	5/28/2010
1005133-15 B	SB88-2.5-3.5	05/19/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Soil	6/3/2010 4	5/28/2010
1005133-16 B	SS76-0-1	05/19/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Soil	6/3/2010 4	5/28/2010
1005133-17 B	SB76-6-7	05/19/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Soil	6/3/2010 4	5/28/2010
1005133-18 B	SS87-0-1	05/19/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Soil	6/3/2010 4	5/28/2010
1005133-19 B	SB87-3-4	05/19/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Soil	6/3/2010 4	5/28/2010
1005133-20 B	SS68-0-1	05/19/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Soil	6/3/2010 4	5/28/2010

Cooler #1	6.02.10 0950	K. Manning	6.02.10 0950
Relinquished By	Date/Time	Received By	Date/Time
K. Manning	6.02.10 0953	jm / Prep Lab	6-2-10 0953
Relinquished By	Date/Time	Received By	Date/Time
	6-2-10 1515	Cooler #1	6-2-10 1515
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

CompuChem

A Division Of

Liberty Analytical Corp.

7/8/2010

REBEKHA SHAW

CH2M HILL, INC.

5700 CLEVELAND STREET, SUITE 101

VIRGINIA BEACH, VA 23462

Subject:

Report of Data - Project: CTO-094 MCB CAMP LEJEUNE/395307.S. WorkOrder: 1005134

Attn.: REBEKHA SHAW

Enclosed are the results of analytical work performed in accordance with the referenced account number. This report covers sample(s) appearing on the listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097

Sincerely,

Compuchem

a division of Liberty Analytical Corporation

Attachment

TOTAL NUMBER

OF PAGES _____

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

CompuChem, a division of Liberty Analytical

Client: CH2M HILL, INC. **Work:** 1005134

Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM **Sdg:** 1005134

Lab ID	Client ID	Matrix	Date Sampled	Date Received
1005134-01	SS02-0-1	Soil	05/14/2010 09:30	05/14/2010 16:00
1005134-02	SS02D-0-1	Soil	05/14/2010 09:35	05/14/2010 16:00
1005134-03	SB02-5-6	Soil	05/14/2010 09:40	05/14/2010 16:00
1005134-04	SB02D-5-6	Soil	05/14/2010 09:45	05/14/2010 16:00
1005134-05	SB05-7-8	Soil	05/14/2010 08:10	05/14/2010 16:00
1005134-06	SS33-0-1	Soil	05/17/2010 11:50	05/19/2010 09:05
1005134-07	SB33-4-5	Soil	05/17/2010 12:00	05/19/2010 09:05
1005134-08	SB31-5-6	Soil	05/17/2010 12:40	05/19/2010 09:05
1005134-09	SS31-0-1	Soil	05/17/2010 12:25	05/19/2010 09:05
1005134-10	SS32-0-1	Soil	05/18/2010 11:00	05/19/2010 09:05
1005134-11	SS32D-0-1	Soil	05/18/2010 11:05	05/19/2010 09:05
1005134-12	SB32-2.5-3.5	Soil	05/18/2010 11:10	05/19/2010 09:05
1005134-13	SB32D-2.5-3.5	Soil	05/18/2010 11:15	05/19/2010 09:05
1005134-14	SB50-1-2	Soil	05/18/2010 17:50	05/21/2010 16:00
1005134-15	SS12-0-1	Soil	05/19/2010 12:45	05/21/2010 16:00
1005134-16	SB12-2-3	Soil	05/19/2010 12:55	05/21/2010 16:00
1005134-17	SS44-0-1	Soil	05/20/2010 08:10	05/21/2010 16:00
1005134-18	SB44-5-6	Soil	05/20/2010 08:25	05/21/2010 16:00
1005134-19	SS43-0-1	Soil	05/20/2010 10:35	05/21/2010 16:00
1005134-20	SB43-3-4	Soil	05/20/2010 10:45	05/21/2010 16:00

I. SAMPLE DATA PACKAGE

SW-846

The sample data package shall include data for all analyses of all samples in one Sample Delivery Group (SDG), including field and analytical samples, reanalyses, blanks, spikes, duplicates, and laboratory control samples. The sample data package consists of the following:

A. Cover Page

B. Sample Data

C. Chain-of-Custody (CoC) Documentation

LAB CODE : LIBRTY

CONTRACT # : SW-846

CASE # : _____

SDG # : 1005134

A. Cover Page -

Inorganic Analyses Data Package

The Cover Page includes laboratory information, the Case and SDG numbers, the client ID numbers in alphanumeric order showing the client ID numbers cross-referenced with Lab ID numbers, comments, and completion of the statement on the use of ICP background and interelement correction for the samples.

On separate pages, the laboratory will include any problems encountered; both technical and administrative, the corrective action taken, and the resolution. This information is included in the Inorganic Case Summary Narrative which follows the Cover Page.

SW846 - METALS

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

SOW No.: SW846

EPA Sample No.	Lab Sample ID.
SB02-5-6	1005134-03
SB02D-5-6	1005134-04
SB05-7-8	1005134-05
SB12-2-3	1005134-16
SB31-5-6	1005134-08
SB32-2.5-3.5	1005134-12
SB32D-2.5-3.5	1005134-13
SB33-4-5	1005134-07
SB43-3-4	1005134-20
SB44-5-6	1005134-18
SB44-5-6D	0052614-DUP1
SB44-5-6S	0052614-MS1
SB44-5-6SD	0052614-MSD1
SB50-1-2	1005134-14
SS02-0-1	1005134-01
SS02D-0-1	1005134-02
SS12-0-1	1005134-15
SS31-0-1	1005134-09
SS32-0-1	1005134-10
SS32D-0-1	1005134-11
SS33-0-1	1005134-06
SS43-0-1	1005134-19
SS44-0-1	1005134-17

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Name: Susan W Bass

Date: 6-3-10 Title: Senior Chemist

CompuChem
a Division of Liberty Analytical Corp.
501 Madison Avenue
Cary, NC 27513

SDG NARRATIVE
SDG # 1005134

The indicated Sample Delivery Group (SDG) consisting of twenty (20) solid samples was received into the laboratory information management system (LIMS) on May 14, 19, and 21, 2010 intact and in good condition with Chain of Custody (COC) Records in order, unless otherwise noted in any attachments or Quality Assurance Notices. The temperature of the samples upon receipt was 1.7 to 4.3°C. Sample ID's reported in this data package are noted by the receiving department on the COC if they differ from those listed by the samplers on the COC.

The samples were prepared and analyzed in accordance with SW846 methodology for the requested metal chromium.

INSTRUMENTAL QUALITY CONTROL:

All calibration verification solutions (ICV & CCV) and blanks (ICB & CCB) associated with this data were confirmed to be within allowable limits.

SAMPLE PREPARATION QUALITY CONTROL:

The sample preparation procedure verification (PBS & LCSS) was found to be within acceptable ranges and field samples were prepared and analyzed within the specified holding times.

MATRIX RELATED QUALITY CONTROL:

The sample matrix spikes, CCN = 1005134-18 ID SB44-5-6S and SB44-5-6SD were inside control limits for the requested analyte.

The sample matrix duplicate, CCN = 1005134-18 ID SB44-5-6D was inside control limits for the requested analyte.

CLP control limits for duplicate determinations are +/- 20% Relative Percent Difference (RPD) for concentrations greater than or equal to five times the CRDL in both the original and duplicate samples, and +/- the CRDL for concentrations less than five times the CRDL. The RPD is not calculated if both the original and duplicate values fall below the IDL.

A five-fold serial dilution of sample, CCN = 1005134-18 ID SB44-5-6L was performed in accordance with requirements for ICP analysis.

The adjusted sample concentration was inside control limits for the requested analyte.

Control limits for serial dilution are defined as a deviation less than or equal to 10% in the dilution adjusted concentrations from the original values for all analyte concentrations greater than fifty (50) times their respective Instrument Detection Limit (IDL) in the original sample.

The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package. Furthermore, I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice.

Susan W. Bass
Senior Chemist
June 2, 2010

Organic Undecanted Dry Weight Worksheet

0052523 | Procedure: 143/190

T. WILLIAMS | 1289
Employee | ID No

Date Assigned: 5-25-10

Temp in: 105°

Temp out: 105°

Date/Time in: 5-25-10@1415

Date/Time out: 5-26-10@0915

Lab Number	Client ID	Sample Type	Weight of Container (0.00g)	Weight of Container & Wet Sample (0.00g)	Weight of Container & Dry Sample (0.00g)
1005134-06	SS33-0-1 DECANTED	Sample	1.33	7.28	5.96
1005134-07	SB33-4-5	Sample	1.32	7.32	6.69
1005134-08	SB31-5-6	Sample	1.33	6.58	5.68
1005134-09	SS31-0-1 DECANTED	Sample	1.33	8.69	7.05
1005134-10	SS32-0-1	Sample	1.34	6.26	6.13
1005134-11	SS32D-0-1	Sample	1.32	8.11	7.90
1005134-12	SB32-2.5-3.5	Sample	1.34	7.54	7.08
1005134-13	SB32D-2.5-3.5	Sample	1.35	7.58	7.03
1005134-14	SB50-1-2	Sample	1.32	7.36	6.92
1005134-15	SS12-0-1	Sample	1.32	6.97	6.06
1005134-16	SB12-2-3	Sample	1.34	6.60	6.04
1005134-17	SS44-0-1	Sample	1.33	7.50	7.09
1005134-18	SB44-5-6	Sample	1.35	6.36	5.63
1005134-19	SS43-0-1	Sample	1.34	7.30	7.12
1005134-20	SB43-3-4	Sample	1.33	7.93	7.45

Entered into Element by: _____ 5-26-10
Date

Organic Undecanted Dry Weight Worksheet

0052523 | Procedure: 143/190

T. WILLIAMS | 1289
Employee | ID No

Temp in: 105°
Temp out: 105°

Date Assigned: 5-25-10
Date/Time in: 5-25-10@1415
Date/Time out: 5-26-10@0915

Decanted batch # 0070706

Lab Number	Client ID	Sample Type	Weight of Container (0.00g)	Weight of Container & Wet Sample (0.00g)	Weight of Container & Dry Sample (0.00g)
1005134-06	SS33-0-1 DECANTED	Sample	1.33	7.28	5.96
1005134-07	SB33-4-5	Sample	1.32	7.32	6.69
1005134-08	SB31-5-6	Sample	1.33	6.58	5.68
1005134-09	SS31-0-1 DECANTED	Sample	1.33	8.64	7.05
1005134-10	SS32-0-1	Sample	1.34	6.26	6.13
1005134-11	SS32D-0-1	Sample	1.32	8.11	7.90
1005134-12	SB32-2.5-3.5	Sample	1.34	7.54	7.08
1005134-13	SB32D-2.5-3.5	Sample	1.35	7.58	7.03
1005134-14	SB50-1-2	Sample	1.32	7.36	6.92
1005134-15	SS12-0-1	Sample	1.32	6.97	6.06
1005134-16	SB12-2-3	Sample	1.34	6.60	6.04
1005134-17	SS44-0-1	Sample	1.33	7.50	7.09
1005134-18	SB44-5-6	Sample	1.35	6.36	5.63
1005134-19	SS43-0-1	Sample	1.34	7.30	7.12
1005134-20	SB43-3-4	Sample	1.33	7.93	7.45
1005134-06	~~SS33-0-1~~ ~~SS33-0-1~~ 7-7-10	Sample	1.33	8.40	7.05
1005134-09	SS31-0-1	Sample	1.33	8.54	7.74

* undecanted in @ 12:45 on 7-7-10 temp. 103°C
out @ 0930 on 7-8-10 temp 105°C

Entered into Element by: _____ 5-26-10
Date

Organic Undecanted Dry Weight Worksheet

0051921

Procedure: 143/190

T. WILLIAMS — Employee

1289 — ID No

Temp in: 104°

Temp out: 100°C

Date Assigned: 5-20-10

Date/Time in: 5-20-10 @ 1605

Date/Time out: 5-21-10 1625

Lab Number	Client ID	Sample Type	Weight of Container (0.00g)	Weight of Container & Wet Sample (0.00g)	Weight of Container & Dry Sample (0.00g)
1005132-01	SB85-1.5-2.5	Sample	1.32	6.35	5.49
1005132-02	SB78-3.5-4.5	Sample	1.31	7.75	6.83
1005132-03	SS77-0-1	Sample	1.32	7.26	5.89
1005132-04	SB77-3.5-4.5	Sample	1.34	7.85	7.20
1005132-05	SS79-0-1	Sample	1.31	6.38	6.18
1005132-06	SB79-11-12	Sample	1.34	6.63	5.72
1005132-07	SS83-0-1	Sample	1.32	7.20	6.84
1005132-08	SB83-6.5-7.5	Sample	1.33	7.15	6.28
1005132-09	SS62-0-1	Sample	1.33	6.25	2.85
1005132-10	SS74-0-1	Sample	1.34	7.44	7.28
1005132-11	SS86-0-1	Sample	1.34	7.03	6.30
1005132-12	SB86-3-4	Sample	1.33	7.01	6.09
1005132-13	SS84-0-1	Sample	1.31	7.40	7.10
1005132-14	SB84-6-7	Sample	1.34	7.41	6.30
1005133-01	SS73-0-1	Sample	1.34	6.16	5.96
1005134-01	SS02-0-1	Sample	1.32	7.54	6.55
1005134-02	SS02D-0-1	Sample	1.32	7.03	6.33
1005134-03	SB02-5-6	Sample	1.34	6.83	5.72
1005134-04	SB02D-5-6	Sample	1.35	6.79	5.60
1005134-05	SB05-7-8	Sample	1.35	6.82	5.30

Entered into Element by: M Sell — 5-24-10 (Date)

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DATA REPORTING QUALIFIERS FOR INORGANICS

On Form I, under the column labeled "C" for concentration qualifier and "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each analyte.

The C (concentration) qualifiers used are:

U: This flag indicates the analyte was analyzed for but not detected. This reported value was obtained from a reading that was less than the Instrument Detection Limit (IDL). The IDL will be adjusted to reflect any dilution and, for soils, the percent moisture.

B: This flag indicates the analyte was analyzed for and the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Method Detection Limit (MDL).

The Q qualifiers used are:

E: This flag indicates an estimated value. This flag is used:

1. When the serial dilution (a five fold dilution for CLP and a five fold dilution for SW-846 method 6010B) results are not within 10%. The analyte concentration must be sufficiently high (minimally a factor of 50X above the IDL in the original sample).

N: This flag indicates the sample spike recovery is outside of control limits:

***:** This flag is used for duplicate analysis when the sample and the sample duplicate results are not within control limits.

The extensions: D, S, SD, L. A, added to the end of the client ID represent as follows:

D: matrix duplicate
S: matrix spike
SD: matrix spike duplicate
L: serial dilution
A: post digestion spike

Method Codes:

P: ICP PLASMA
CV: MERCURY COLD VAPOR AA
CA: MIDI-DISTILLATION SPECTROPHOTOMETRIC
MS: MASS SPECTROMETRY
AS: SEMI-AUTOMATED SPECTROPHOTOMETRIC

B. Sample Data

1. Results
2. Quality Control Data
3. Quarterly Verification of Instrument Performance
4. Raw Data
5. Digestion and Distillation Logs

LAB CODE : LIBRTY

CONTRACT # : SW-846

CASE # : _____

SDG # : 1005134

1. Results

Sample results shall be arranged in packets with the Inorganic Analysis Data Sheet (Form I - IN). These sample packets shall be placed in increasing Client Sample ID number order, considering both letters and numbers, and shall include all the samples in the SDG.

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB02-5-6

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-03

Level (low/med): LOW Date Received: 5/14/2010

% Solids: 79.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	18.0			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS
-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SB02D-5-6

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-04

Level (low/med): LOW Date Received: 5/14/2010

% Solids: 78.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	18.9			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SB05-7-8

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-05

Level (low/med): LOW Date Received: 5/14/2010

% Solids: 72.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	30.5			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SB12-2-3

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-16

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 89.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	8.8			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS
-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SB31-5-6

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-08

Level (low/med): LOW Date Received: 5/19/2010

% Solids: 82.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	10.4			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SB32-2.5-3.5

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-12

Level (low/med): LOW Date Received: 5/19/2010

% Solids: 92.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	13.9			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB32D-2.5-3.5

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-13

Level (low/med): LOW Date Received: 5/19/2010

% Solids: 91.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	15.3			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS
-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SB33-4-5

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-07

Level (low/med): LOW Date Received: 5/19/2010

% Solids: 89.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.6			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB43-3-4

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-20

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 92.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	2.0			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB44-5-6

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-18

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 85.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	20.0			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS
-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SB50-1-2

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-14

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 84.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	5.8			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SS02-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-01

Level (low/med): LOW Date Received: 5/14/2010

% Solids: 84.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	14.9			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.: SS02D-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-02

Level (low/med): LOW Date Received: 5/14/2010

% Solids: 87.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	13.6			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS12-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-15

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 92.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	15.8			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS31-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-09

Level (low/med): LOW Date Received: 5/19/2010

% Solids: 88.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	3.9			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS
-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SS32-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-10

Level (low/med): LOW Date Received: 5/19/2010

% Solids: 97.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	2.4			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS32D-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-11

Level (low/med): LOW Date Received: 5/19/2010

% Solids: 96.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	2.0			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS33-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-06

Level (low/med): LOW Date Received: 5/19/2010

% Solids: 80.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	0.82	B		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.: SS43-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-19

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 97.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	0.57	B		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SS44-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-17

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 93.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	3.1			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

2. Quality Control Data

a. Initial and Continuing Calibration Verification
[Form II (Part 1) - IN]

b. CRDL Standard for AA (if applicable) and ICP
[Form II (Part 2) - IN]

c. Blanks
[Form III - IN]

d. ICP Interference Check Sample
[Form IV - IN]

e. Spike Sample Recovery
[Form V (Part 1) - IN]

f. Post Digest Spike Sample Recovery
[Form V (Part 2) - IN]

g. Duplicates
[Form VI - IN]

h. Laboratory Control Sample
[Form VII - IN]

i. Standard Addition Results (if applicable)
[Form VIII - IN]

j. ICP Serial Dilutions
[Form IX - IN]

k. Preparation Log
[Form XIII - IN]

l. Analysis Run Log
[Form XIV - IN]

SW846 - METALS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Initial Calibration Source: EPA-0307

Continuing Calibration Source: HP0912103/4

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Chromium	490.0	520.42	106	1000.0	1032.25	103	1029.34	103	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

SW846 - METALS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Initial Calibration Source: EPA-0307

Continuing Calibration Source: HP0912103/4

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Chromium				1000.0	978.19	98	966.24	97	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

SW846 - METALS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Initial Calibration Source: EPA-0307

Continuing Calibration Source: HP0912103/4

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Chromium				1000.0	975.16	98	988.52	99	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

SW846 - METALS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Initial Calibration Source: EPA-0307

Continuing Calibration Source: HP0912103/4

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Chromium				1000.0	1011.79	101	996.17	100	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

SW846 - METALS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Initial Calibration Source: EPA-0307

Continuing Calibration Source: HP0912103/4

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Chromium				1000.0	1006.02	101	1002.04	100	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

SW846 - METALS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Initial Calibration Source: EPA-0307

Continuing Calibration Source: HP0912103/4

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Chromium				1000.0	1013.43	101			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: 1005134

AA CRDL Standard Source: _____

ICP CRDL Standard Source: HP1004012

Concentration Units: ug/L

Analyte	CRDL Standard for ICP								
	Initial						Final		
	True	Found	%R	True	Found	%R	Found	%R	
Chromium				10.0	9.72	97.2			

Control Limits: no limits have been established by EPA at this time

SW846 - METALS

3

BLANKS

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Chromium	10.0	U	10.0	U	10.0	U	10.0	U	1.000	U	P

SW846 - METALS

3

BLANKS

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Chromium			10.0	U	10.0	U	10.0	U			P

SW846 - METALS

3

BLANKS

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Chromium			10.0	U	10.0	U	10.0	U			P

SW846 - METALS

3

BLANKS

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: 1005134

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Chromium			10.0	U	10.0	U					P

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: 1005134

ICP ID Number: P4 ICS Source: EPA-503-203

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Chromium	43	511	45.5	528	103.3			

SW846 - METALS

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

SB44-5-6S

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 85.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Chromium	75 - 125	47.4676		19.9991		23.42	117		P

Comments:

SW846 - METALS

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

SB44-5-6SD

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 85.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Chromium	75 - 125	47.8897		19.9991		23.42	119		P

Comments:

6

DUPLICATES

SAMPLE NO.

SB44-5-6D

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 85.4 % Solids for Duplicate: 85.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Chromium		19.9991		22.2646		10.7		P

6

DUPLICATES

SAMPLE NO.

SB44-5-6SD

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 85.4 % Solids for Duplicate: 85.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Chromium		47.4676		47.8897		0.9	*	P

7

LABORATORY CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: 1005134

Solid LCS Source: ERA-540

Aqueous LCS Source: _____

	Aqueous (ug/L)			Solid (mg/kg)				
Analyte	True	Found	%R	True	Found	C	Limits	%R
Chromium				60.8	56.67		47.7 - 73.8	93

9
ICP SERIAL DILUTIONS

SAMPLE NO.

SB44-5-6L

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Chromium	170.79		176.72		3.5		P

13

PREPARATION LOG

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Method: P

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS	5/27/2010	1.00	100.0
PBS	5/27/2010	1.00	100.0
SB02-5-6	5/27/2010	1.01	100.0
SB02D-5-6	5/27/2010	1.05	100.0
SB05-7-8	5/27/2010	1.05	100.0
SB12-2-3	5/27/2010	1.02	100.0
SB31-5-6	5/27/2010	1.00	100.0
SB32-2.5-3.5	5/27/2010	1.02	100.0
SB32D-2.5-3.5	5/27/2010	1.01	100.0
SB33-4-5	5/27/2010	1.05	100.0
SB43-3-4	5/27/2010	1.03	100.0
SB44-5-6	5/27/2010	1.00	100.0
SB44-5-6D	5/27/2010	1.00	100.0
SB44-5-6S	5/27/2010	1.00	100.0
SB44-5-6SD	5/27/2010	1.00	100.0
SB50-1-2	5/27/2010	1.02	100.0
SS02-0-1	5/27/2010	1.01	100.0
SS02D-0-1	5/27/2010	1.00	100.0
SS12-0-1	5/27/2010	1.03	100.0
SS31-0-1	5/27/2010	1.01	100.0
SS32-0-1	5/27/2010	1.01	100.0
SS32D-0-1	5/27/2010	1.05	100.0
SS33-0-1	5/27/2010	1.00	100.0
SS43-0-1	5/27/2010	1.02	100.0
SS44-0-1	5/27/2010	1.01	100.0

SW846 - METALS

14

ANALYSIS RUN LOG

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID Number: P4 Method: P

Start Date: 6/1/2010 End Date: 6/2/2010

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	0929									X															
S	1.00	0936									X															
S	1.00	0944																								
S	1.00	0949																								
S	1.00	0956																								
ICV	1.00	1001									X															
ICB	1.00	1008									X															
ZZZZZZ	1.00	1015																								
ICSA	1.00	1023									X															
ICSAB	1.00	1030									X															
CCV	1.00	1037									X															
CCB	1.00	1044									X															
LRS	1.00	1053									X															
ZZZZZZ	1.00	1100																								
ZZZZZZ	1.00	1107																								
ZZZZZZ	1.00	1114																								
ZZZZZZ	1.00	1121																								
ZZZZZZ	1.00	1128																								
ZZZZZZ	1.00	1135																								
ZZZZZZ	5.00	1143																								
ZZZZZZ	1.00	1150																								
ZZZZZZ	1.00	1157																								
CCV	1.00	1204									X															
CCB	1.00	1211									X															
ZZZZZZ	1.00	1218																								
ZZZZZZ	1.00	1225																								
ZZZZZZ	1.00	1233																								
ZZZZZZ	1.00	1240																								
ZZZZZZ	1.00	1247																								
ZZZZZZ	1.00	1254																								
ZZZZZZ	1.00	1301																								
ZZZZZZ	1.00	1308																								
ZZZZZZ	1.00	1315																								
ZZZZZZ	1.00	1322																								
CCV	1.00	1330									X															
CCB	1.00	1337									X															
ZZZZZZ	1.00	1346																								
ZZZZZZ	1.00	1353																								

SW846 - METALS

14

ANALYSIS RUN LOG

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID Number: P4 Method: P

Start Date: 6/1/2010 End Date: 6/2/2010

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	5.00	1400																								
ZZZZZZ	1.00	1407																								
ZZZZZZ	1.00	1415																								
ZZZZZZ	1.00	1422																								
ZZZZZZ	1.00	1429																								
ZZZZZZ	1.00	1436																								
ZZZZZZ	1.00	1443																								
ZZZZZZ	1.00	1508																								
CCV	1.00	1515									X															
CCB	1.00	1522									X															
ZZZZZZ	1.00	1529																								
ZZZZZZ	1.00	1536																								
ZZZZZZ	1.00	1544																								
CCV	1.00	1552									X															
CCB	1.00	1559									X															
ZZZZZZ	1.00	1609																								
ZZZZZZ	1.00	1616																								
ZZZZZZ	1.00	1623																								
ZZZZZZ	1.00	1630																								
ZZZZZZ	1.00	1637																								
ZZZZZZ	1.00	1645																								
ZZZZZZ	5.00	1652																								
ZZZZZZ	1.00	1659																								
ZZZZZZ	1.00	1706																								
ZZZZZZ	1.00	1724																								
CCV	1.00	1732									X															
CCB	1.00	1739									X															
ZZZZZZ	1.00	1746																								
ZZZZZZ	1.00	1755																								
ZZZZZZ	1.00	1802																								
ZZZZZZ	1.00	1809																								
ZZZZZZ	1.00	1816																								
ZZZZZZ	1.00	1823																								
ZZZZZZ	1.00	1830																								
ZZZZZZ	1.00	1837																								
ZZZZZZ	1.00	1845																								
ZZZZZZ	1.00	1852																								
CCV	1.00	1859									X															

SW846 - METALS

14

ANALYSIS RUN LOG

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID Number: P4 Method: P

Start Date: 6/1/2010 End Date: 6/2/2010

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCB	1.00	1906									X															
ZZZZZZ	1.00	1913																								
ZZZZZZ	1.00	1920																								
ZZZZZZ	1.00	1928																								
ZZZZZZ	1.00	1935																								
ZZZZZZ	1.00	1942																								
ZZZZZZ	1.00	1949																								
ZZZZZZ	1.00	1956																								
PBS	1.00	2003									X															
LCSS	1.00	2010									X															
SB44-5-6	1.00	2017									X															
CCV	1.00	2025									X															
CCB	1.00	2032									X															
SB44-5-6D	1.00	2039									X															
SB44-5-6S	1.00	2046									X															
SB44-5-6SD	1.00	2053									X															
SB44-5-6L	5.00	2100									X															
ZZZZZZ	1.00	2108																								
SS02-0-1	1.00	2115									X															
SS02D-0-1	1.00	2122									X															
SB02-5-6	1.00	2129									X															
SB02D-5-6	1.00	2136									X															
SB05-7-8	1.00	2143									X															
CCV	1.00	2150									X															
CCB	1.00	2158									X															
SS33-0-1	1.00	2205									X															
SB33-4-5	1.00	2212									X															
SB31-5-6	1.00	2219									X															
SS31-0-1	1.00	2226									X															
SS32-0-1	1.00	2233									X															
SS32D-0-1	1.00	2240									X															
SB32-2.5-3.5	1.00	2247									X															
SB32D-2.5-3.5	1.00	2255									X															
SB50-1-2	1.00	2302									X															
SS12-0-1	1.00	2309									X															
CCV	1.00	2316									X															
CCB	1.00	2323									X															
SB12-2-3	1.00	2330									X															

SW846 - METALS

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID Number: P4 Method: P

Start Date: 6/1/2010 End Date: 6/2/2010

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
SS44-0-1	1.00	2337									X															
SS43-0-1	1.00	2345									X															
SB43-3-4	1.00	2352									X															
ZZZZZZ	1.00	2359																								
ZZZZZZ	1.00	0006																								
ZZZZZZ	1.00	0013																								
ZZZZZZ	5.00	0020																								
ZZZZZZ	1.00	0027																								
ZZZZZZ	1.00	0035																								
CCV	1.00	0042									X															
CCB	1.00	0049									X															

3. Quarterly Verification of Instrument Performance

a. Instrument Detection Limits (Quarterly)
[Form X - IN]

b. ICP Interelement Correction Factors (Annually)
[Form XI (Part 1) - IN]

c. ICP Interelement Correction Factors (Annually)
[Form XI (Part 2) - IN]

d. ICP Linear Ranges (Quarterly)
[Form XII - IN]

SW846 - METALS

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INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: 1005134

ICP ID Number: P4 Date: 4/15/2010

Flame AA ID Number: _____

Furnace AA ID Number: _____

Analyte	Wave-length (nm)	Back-ground	CRQL ug/L	MDL ug/L	M
Chromium	267.72		10	0.75	P

Comments: _____

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

ICP ID Number: P4 Date: 4/15/2010

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRQL mg/Kg	MDL mg/Kg	M
Chromium	267.72		1.00	0.12	P

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

ICP ID Number: P4 Date: 4/15/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Ag
Aluminum	308.21	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.84	0.0000000	0.0000000	0.0000430	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.41	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000560	0.0000000	0.0000840	0.0000000	0.0000000
Calcium	317.93	0.0000000	0.0000000	0.0000000	0.0001550	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000390	0.0000000	0.0000000
Copper	324.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.44	0.0000000	0.0000000	0.0000000	-0.000904	0.0000000
Lead	220.35	0.0001750	0.0000000	0.0001440	0.0000000	0.0000000
Lead	220.35	-0.0001560	0.0000000	0.0000000	0.0000000	-0.0004960
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000270	0.0000000
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.02	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.02	0.0000000	0.0000000	-0.0004680	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.23	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0007960	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	-0.0002910	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

ICP ID Number: P4 Date: 4/15/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for: As	Ba	Be	Cd	Co
Aluminum	308.21	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.84	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.41	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.93	0.0052730	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0003220	0.0000000	0.0000000	-0.000280	0.0000000
Cobalt	228.62	0.0000000	0.0001680	0.0000000	0.0000000	0.0000000
Copper	324.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0703370
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0003730
Lead	220.35	0.0000000	0.0000000	-0.0002140	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.60	0.0005150	0.0000000	0.0000000	0.0000000	-0.0012010
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.02	-0.0003910	0.0000000	-0.0007140	-0.000134	0.0004890
Selenium	196.02	0.0000000	0.0000000	0.0001610	0.0000930	-0.0008840
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.23	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

ICP ID Number: P4 Date: 4/15/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cr	Cu	Mn	Mo	Ni
Aluminum	308.21	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.84	0.0021050	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	-0.0030670	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.41	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0001080	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	-0.0001310	0.0000000	0.0000000
Calcium	317.93	0.0000000	0.0068740	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.44	0.0028440	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0001690	-0.0000920	0.0000000	-0.000603	0.0002400
Lead	220.35	0.0000000	0.0000000	0.0001170	-0.001218	0.0001630
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.02	-0.0002310	-0.0001110	0.0000000	0.0000000	-0.0001570
Selenium	196.02	0.0000000	0.0000000	0.0004510	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.23	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	-0.0007390	0.0000000	0.0000000
Vanadium	292.40	-0.0016760	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	-0.0011640	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

ICP ID Number: P4 Date: 4/15/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Pb	Sb	Se	Sn	Tl
Aluminum	308.21	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.84	0.0000000	0.0000000	0.0000000	-0.004391	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.41	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	-0.0000500	-0.0001990	-0.0000650	-0.000243	-0.0000490
Calcium	317.93	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	-0.000264	0.0003640
Lead	220.35	0.0000000	-0.0001490	0.0000000	-0.000187	-0.0011190
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.02	-0.0002150	-0.0005640	0.0000000	-0.000481	-0.0003860
Selenium	196.02	0.0000000	0.0000000	0.0000000	0.0001400	-0.0004280
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.23	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

ICP ID Number: P4 Date: 4/15/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for: V	Zn			
Aluminum	308.21	0.0168710	0.0000000			
Antimony	206.84	-0.0021410	0.0000000			
Arsenic	189.04	0.0000000	0.0000000			
Barium	493.41	0.0000000	0.0000000			
Beryllium	313.04	0.0052620	0.0000000			
Cadmium	226.50	0.0000000	-0.0000580			
Calcium	317.93	0.0000000	0.0000000			
Chromium	267.72	-0.0003410	0.0000000			
Cobalt	228.62	0.0000000	0.0000000			
Copper	324.70	0.0000000	0.0000000			
Iron	271.44	0.0249430	0.0000000			
Lead	220.35	0.0000000	0.0000000			
Lead	220.35	-0.0001610	0.0000000			
Magnesium	279.08	0.0000000	0.0000000			
Manganese	257.61	0.0000000	0.0000000			
Nickel	231.60	0.0000000	0.0000000			
Potassium	766.49	0.0000000	0.0000000			
Selenium	196.02	0.0003030	-0.0001740			
Selenium	196.02	0.0000000	0.0000000			
Silver	328.07	0.0000000	0.0000000			
Sodium	330.23	0.0000000	0.0376950			
Thallium	190.86	-0.0004340	0.0000000			
Vanadium	292.40	0.0000000	0.0000000			
Zinc	206.20	0.0000000	0.0000000			

Comments:

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ICP LINEAR RANGES (QUARTERLY)

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: 1005134

ICP ID Number: P4 Date: 4/15/2010

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Chromium	15.00	60000.0	P

Comments: _____

4. Raw Data

For each reported value, the laboratory shall include in the data package all raw data used to obtain that value. This applies to all required QA/QC measurements, instrument standardization, as well as all sample analysis results. This does not apply to the Quarterly Verification of Instrument Parameters submitted as a part of each data package.

The order of the raw data in the data package shall be: ICP, Flame AA (if used), Furnace AA (if used), mercury, and cyanide (if a target analyte).

Raw data shall be labeled using EPA sample number convention in order to identify:

- calibration standards, including source and preparation date
- initial and continuing calibration blanks and preparation blanks
- initial and continuing calibration verification standards, interference check samples, ICP serial dilution samples, CRDL standard for ICP and AA (if used), Laboratory Control Sample, and post digestion spike
- diluted and undiluted samples (by client ID number) and all weights, dilutions, and volumes used to obtain the reported values
- duplicates
- spikes
- instrument used, including all data voided or data not used and a brief written explanation
- all information for furnace analysis (if used)
- date and time of each analysis (instrument run logs can be submitted if they contain this information
- integration time for AA analyses (if used)

Daily Instrument Profile

Nebulizer pressure: 30
Peak position: +0.0231
Peak intensity: 1821
Vernier position: 431

Maintenance: NONE

Printed: 6/3/2010 9:31:19 AM

Method(s) (circle one): ILM04.1 ILM05.4 (6010B) 200.7 Other _____

Operator(s): JF

Date/Time 060110/0921 to 060210/0305

↑	Specified element(s) fail(s) high
↓	Specified element(s) fail(s) low
RR	Re-run sample(s) neat
RR #X	Re-run at a #-fold dilution
#X	Sample run at a #-fold dilution (aliquot of sample diluted with acidified water)
L	Matrix = leachate
W	Matrix = water
S	Matrix = solid
B	Matrix = biological tissue

SDG	Matrix	Comments
1005065	W	TAL
1005066	S	TAL complete
1005134	S	Cr only RR #03-20
1005195	W	custom complete
1005201	W	Mn only ↓

ICP Run Log (P4)

File Name: P40601A

Sample ID	Client ID	Sample Type	DF	Date	Time	SDG	Action Needed
CAL1	S0 BLANK	CALIB STD	1	06/01/10	09:29:44		
CAL2	S RSTD-1	CALIB STD	1	06/01/10	09:36:53		
CAL4	S RSTD-3	CALIB STD	1	06/01/10	09:44:02		
CAL3	S RSTD-2	CALIB STD	1	06/01/10	09:49:38		
CAL5	S RSTD-4	CALIB STD	1	06/01/10	09:56:00		
ICV1	ICV1	ICV	1	06/01/10	10:01:36		
ICB1	ICB	ICB	1	06/01/10	10:08:45		
CRL1	CRI	CRI	1	06/01/10	10:15:54		
IFA1	ICSA	ICS	1	06/01/10	10:23:02		
IFB1	ICSAB	ICS	1	06/01/10	10:30:10		
CCV1	CCV	CCV	1	06/01/10	10:37:19		
CCB1	CCB	CCB	1	06/01/10	10:44:28		
_RS	LRS	LRS	1	06/01/10	10:53:02		
)051812-BLK1	PBW	PBW	1	06/01/10	11:00:11	1005065	

ıe presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP ıs occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the itials of the lab supervisor and a QA department representative, signifying approval of the deviation.

eviewed By: L. Tomato Date: 6-3-10

ICP Run Log (P4)

File Name: P40601A

Sample ID	Client ID	Sample Type	DF	Date	Time	SDG	Action Needed
0051812-BS1	LCSW	LCS	1	06/01/10	11:07:19	1005065	
1005065-01	SDZ-WN22	SAMPLE	1	06/01/10	11:14:28	1005065	K, Mg, Na ↑ 15X
0051812-DUP1	SDZ-WN22D	SAMPLE	1	06/01/10	11:21:36	1005065	K, Mg, Na ↑ 15X
0051812-MS1	SDZ-WN22S	SAMPLE	1	06/01/10	11:28:44	1005065	
0051812-MSD1	SDZ-WN22SD	SAMPLE	1	06/01/10	11:35:52	1005065	
SRD1	SDZ-WN22L	SAMPLE	1	06/01/10	11:43:00	1005065	
0051812-PS1	SDZ-WN22A	SAMPLE	1	06/01/10	11:50:08	1005065	
1005065-02	SDZ-WN19	SAMPLE	1	06/01/10	11:57:16	1005065	K, Mg, Na ↑ 15X
CCV2	CCV	CCV	1	06/01/10	12:04:25		
CCB2	CCB	CCB	1	06/01/10	12:11:35		
1005065-03	SDZ-WN19D	SAMPLE	1	06/01/10	12:18:43	1005065	K, Mg, Na ↑ 15X
1005065-04	SDZ-WN16	SAMPLE	1	06/01/10	12:25:52	1005065	
1005065-05	SDZ-WN20	SAMPLE	1	06/01/10	12:33:00	1005065	
1005065-06	SDZ-WN20D	SAMPLE	1	06/01/10	12:40:08	1005065	
1005065-07	SDZ-WN21	SAMPLE	1	06/01/10	12:47:17	1005065	
1005065-08	SDZ-SW01	SAMPLE	1	06/01/10	12:54:25	1005065	
1005065-09	SDZ-SW01D	SAMPLE	1	06/01/10	13:01:34	1005065	
1005065-10	SDZ-SW04	SAMPLE	1	06/01/10	13:08:42	1005065	
1005065-11	SDZ-SW05	SAMPLE	1	06/01/10	13:15:50	1005065	
IBL1	IBL	SAMPLE	1	06/01/10	13:22:59		
CCV3	CCV	CCV	1	06/01/10	13:30:08		
CCB3	CCB	CCB	1	06/01/10	13:37:17		
1005065-01	SDZ-WN22	SAMPLE	15	06/01/10	13:46:27	1005065	
0051812-DUP1	SDZ-WN22D	SAMPLE	15	06/01/10	13:53:36	1005065	
SRD2	SDZ-WN22L	SAMPLE	75	06/01/10	14:00:44	1005065	
1005065-02	SDZ-WN19	SAMPLE	15	06/01/10	14:07:53	1005065	
1005065-03	SDZ-WN19D	SAMPLE	15	06/01/10	14:15:01	1005065	
1005065-04	SDZ-WN16	SAMPLE	15	06/01/10	14:22:09	1005065	
1005065-05	SDZ-WN20	SAMPLE	15	06/01/10	14:29:17	1005065	
1005065-06	SDZ-WN20D	SAMPLE	15	06/01/10	14:36:25	1005065	
1005065-07	SDZ-WN21	SAMPLE	15	06/01/10	14:43:33	1005065	
1005065-08	SDZ-SW01	SAMPLE	15	06/01/10	15:08:20	1005065	

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Reviewed By: L. Jones Date: 6-3-10

ICP Run Log (P4)

File Name: P40601A

Sample ID	Client ID	Sample Type	DF	Date	Time	SDG	Action Needed
CCV4	CCV	CCV	1	06/01/10	15:15:29		
CCB4	CCB	CCB	1	06/01/10	15:22:39		
1005065-09	SDZ-SW01D	SAMPLE	15	06/01/10	15:29:48	1005065	
1005065-10	SDZ-SW04	SAMPLE	15	06/01/10	15:36:56	1005065	
1005065-11	SDZ-SW05	SAMPLE	15	06/01/10	15:44:51	1005065	
CCV5	CCV	CCV	1	06/01/10	15:52:00		
CCB5	CCB	CCB	1	06/01/10	15:59:10		
0051436-BLK1	PBS	PBS	1	06/01/10	16:09:18	1005066	
0051436-BS1	LCSS	LCS	1	06/01/10	16:16:27	1005066	
1005066-08	SDZ-SD30	SAMPLE	1	06/01/10	16:23:35	1005066	
0051436-DUP1	SDZ-SD30D	SAMPLE	1	06/01/10	16:30:43	1005066	
0051436-MS1	SDZ-SD30S	SAMPLE	1	06/01/10	16:37:51	1005066	
0051436-MSD1	SDZ-SD30SD	SAMPLE	1	06/01/10	16:45:00	1005066	
SRD3	SDZ-SD30L	SAMPLE	1	06/01/10	16:52:08	1005066	
0051436-PS1	SDZ-SD30A	SAMPLE	1	06/01/10	16:59:16	1005066	
1005066-01	SDZ-SD24	SAMPLE	1	06/01/10	17:06:24	1005066	
1005066-02	SDZ-SD25	SAMPLE	1	06/01/10	17:24:58	1005066	
CCV6	CCV	CCV	1	06/01/10	17:32:07		
CCB6	CCB	CCB	1	06/01/10	17:39:17		
1005066-03	SDZ-SD26	SAMPLE	1	06/01/10	17:46:25	1005066	RR
1005066-04	SDZ-SD27	SAMPLE	1	06/01/10	17:55:07	1005066	
1005066-05	SDZ-SD29	SAMPLE	1	06/01/10	18:02:15	1005066	
1005066-06	SDZ-SD29D	SAMPLE	1	06/01/10	18:09:23	1005066	
1005066-07	SDZ-SD17	SAMPLE	1	06/01/10	18:16:32	1005066	
1005066-09	SDZ-SD23	SAMPLE	1	06/01/10	18:23:40	1005066	
1005066-10	SDZ-SD23D	SAMPLE	1	06/01/10	18:30:49	1005066	
1005066-11	SDZ-SD22	SAMPLE	1	06/01/10	18:37:57	1005066	
1005066-12	SDZ-SD05	SAMPLE	1	06/01/10	18:45:05	1005066	
1005066-13	SDZ-SD28	SAMPLE	1	06/01/10	18:52:13	1005066	
CCV7	CCV	CCV	1	06/01/10	18:59:22		Zn ↑
CCB7	CCB	CCB	1	06/01/10	19:06:37		
1005066-14	SDZ-SD08	SAMPLE	1	06/01/10	19:13:46	1005066	RR

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eviewed By: L. Tomato Date: 10-3-10

ICP Run Log (P4)

File Name: P40601A

Sample ID	Client ID	Sample Type	DF	Date	Time	SDG	Action Needed
1005066-15	SDZ-SD07	SAMPLE	1	06/01/10	19:20:54	1005066	RA
1005066-16	SDZ-SD06	SAMPLE	1	06/01/10	19:28:02	1005066	
1005066-17	SDZ-SD09	SAMPLE	1	06/01/10	19:35:10	1005066	
1005066-18	SDZ-SD09D	SAMPLE	1	06/01/10	19:42:18	1005066	
1005066-19	SDZ-SD03	SAMPLE	1	06/01/10	19:49:26	1005066	
1005066-20	SDZ-SD02	SAMPLE	1	06/01/10	19:56:34	1005066	
0052614-BLK1	PBS	PBS	1	06/01/10	20:03:42	1005134	
0052614-BS1	LCSS	LCS	1	06/01/10	20:10:51	1005134	
1005134-18	SB44-5-6	SAMPLE	1	06/01/10	20:17:59	1005134	
CCV8	CCV	CCV	1	06/01/10	20:25:09		
CCB8	CCB	CCB	1	06/01/10	20:32:18		
0052614-DUP1	SB44-5-6D	SAMPLE	1	06/01/10	20:39:27	1005134	
0052614-MS1	SB44-5-6S	SAMPLE	1	06/01/10	20:46:36	1005134	
0052614-MSD1	SB44-5-6SD	SAMPLE	1	06/01/10	20:53:44	1005134	
SRD4	SB44-5-6L	SAMPLE	5	06/01/10	21:00:53	1005134	
0052614-PS1	SB44-5-6A	SAMPLE	1	06/01/10	21:08:01	1005134	
1005134-01	SS02-0-1	SAMPLE	1	06/01/10	21:15:09	1005134	
1005134-02	SS02D-0-1	SAMPLE	1	06/01/10	21:22:17	1005134	
1005134-03	SB02-5-6	SAMPLE	1	06/01/10	21:29:25	1005134	
1005134-04	SB02D-5-6	SAMPLE	1	06/01/10	21:36:33	1005134	
1005134-05	SB05-7-8	SAMPLE	1	06/01/10	21:43:41	1005134	
CCV9	CCV	CCV	1	06/01/10	21:50:50		
CCB9	CCB	CCB	1	06/01/10	21:58:00		
1005134-06	SS33-0-1	SAMPLE	1	06/01/10	22:05:08	1005134	
1005134-07	SS33-4-5	SAMPLE	1	06/01/10	22:12:16	1005134	
1005134-08	SS33-5-6	SAMPLE	1	06/01/10	22:19:25	1005134	
1005134-09	SS31-0-1	SAMPLE	1	06/01/10	22:26:33	1005134	
1005134-10	SS32-0-1	SAMPLE	1	06/01/10	22:33:42	1005134	
1005134-11	SS32D-0-1	SAMPLE	1	06/01/10	22:40:50	1005134	
1005134-12	SB32-2.5-3.5	SAMPLE	1	06/01/10	22:47:59	1005134	
1005134-13	SB32D-2.5-3.5	SAMPLE	1	06/01/10	22:55:07	1005134	
1005134-14	SB50-1-2	SAMPLE	1	06/01/10	23:02:16	1005134	

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eviewed By: 2. Forsetto Date: 6-3-10

ICP Run Log (P4)

File Name: P40601A

Sample ID	Client ID	Sample Type	DF	Date	Time	SDG	Action Needed
1005134-15	SS12-0-1	SAMPLE	1	06/01/10	23:09:24	1005134	
CCVA	CCV1	CCV	1	06/01/10	23:16:33		
CCBA	CCB1	CCB	1	06/01/10	23:23:42		
1005134-16	SB12-2-3	SAMPLE	1	06/01/10	23:30:51	1005134	
1005134-17	SS40-0-1	SAMPLE	1	06/01/10	23:37:59	1005134	
1005134-19	SS43-0-1	SAMPLE	1	06/01/10	23:45:08	1005134	
1005134-20	SB43-3-4	SAMPLE	1	06/01/10	23:52:16	1005134	
0052621-BLK1	PBW	PBW	1	06/01/10	23:59:24	1005195	
0052621-BS1	LCSW	LCS	1	06/02/10	00:06:33	1005195	
1005195-01	5-17-10	SAMPLE	1	06/02/10	00:13:41	1005195	
SRD5	5-17-10L	SAMPLE	5	06/02/10	00:20:50	1005195	
1005195-02	5-18-10	SAMPLE	1	06/02/10	00:27:58	1005195	
1005195-03	5-20-10	SAMPLE	1	06/02/10	00:35:07	1005195	
CCVB	CCV1	CCV	1	06/02/10	00:42:15		
CCBB	CCB1	CCB	1	06/02/10	00:49:25		
1005195-04	5-21-10	SAMPLE	1	06/02/10	00:56:33	1005195	
1005195-05	5-19-10	SAMPLE	1	06/02/10	01:03:42	1005195	
0052724-BLK1	PBW	PBW	1	06/02/10	01:10:51	1005201	
0052724-BS1	LCSW	LCS	1	06/02/10	01:17:59	1005201	
0052724-BSD1	LCSWD	LCS	1	06/02/10	01:25:08	1005201	
1005201-01	MW-01	SAMPLE	1	06/02/10	01:32:17	1005201	
SRD6	MW-01L	SAMPLE	1	06/02/10	01:39:26	1005201	
1005201-02	PZ-1	SAMPLE	1	06/02/10	01:46:34	1005201	
1005201-03	PZ-2	SAMPLE	1	06/02/10	01:53:43	1005201	
1005201-04	PZ-3	SAMPLE	1	06/02/10	02:00:51	1005201	
CCVC	CCV1	CCV	1	06/02/10	02:08:00		
CCBC	CCB1	CCB	1	06/02/10	02:15:09		
1005201-05	PZ-4	SAMPLE	1	06/02/10	02:22:18	1005201	
1005201-06	MW-06	SAMPLE	1	06/02/10	02:29:27	1005201	
1005201-07	MW-07	SAMPLE	1	06/02/10	02:36:35	1005201	
1005201-08	MW-09	SAMPLE	1	06/02/10	02:43:44	1005201	
1005201-09	MW-01DUP	SAMPLE	1	06/02/10	02:50:53	1005201	

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Reviewed By: L. Forsto Date: 6-3-10

ICP Run Log (P4)

File Name: P40601A

Sample ID	Client ID	Sample Type	DF	Date	Time	SDG	Action Needed
CCVD	CCV1	CCV	1	06/02/10	02:58:02		
CCBD	CCB1	CCB	1	06/02/10	03:05:11		

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Reviewed By: L. Tomato Date: 6-3-10

Daily Standards/QC Preparation Log for Trace ICP (P3 & P4) 1 of 3 CompuChem a division of Liberty Analytical Corp. Worksheet 1 P(6) 2

STANDARDS and REAGENTS TRACEABILITY

Seq. File Name: P30601, P40601A & P40602

HNO_3 [Baker Instra-analyzed Trace-Metals grade]
HCl [Baker Instra-analyzed Trace-Metals grade]
SM-770-027 multi-element standard mix (RSTD-1)
SM-770-028 part A multi-element standard mix (RSTD-2A)
SM-770-028 part B multi-element standard mix (RSTD-2B)
SM-770-029 part A multi-element standard mix (RSTD-3A)
SM-770-029 part B multi-element standard mix (RSTD-3B)
SM-770-030 multi-element standard mix (RSTD-4)
SPEX-R multi-element standard mix
ICP-AES-CRQL-R multi-element standard mix
ICV1 multi-element standard mix
ICSA multi-element standard mix
ICSB multi-element standard mix
SM-770-031 multi-element standard mix (PDS-R)
ARSENIC (As) 1,000 PPM single-element standard
Internal Mix
SM-770-040 multi-element CCV mix (Soln A)
SM-770-040 multi-element CCV mix (Soln B)
SM-770-042 (LRS 6010B)

Ref #*	Manufacturer	Lot #	Expiration Date
0 E19001	JT Baker	J10027	05/15
0 E20028	Caledon	7 2420	05/15
9G08002	High Purity	0916328	06/15/10
9J22002	High Purity	0928011	10/12/2010
9J22001	High Purity	0928012	10/12/2010
0D14008	High Purity	0925430	04/09/11
9G08005	High Purity	0906204	10/16/10
9G08001	High Purity	0916327	06/15/10
0A04007	High Purity	0916301	06/15/10
9I04002	High Purity	0923808	08/28/10
0B04003	EPA	0307	02/04/11
0B04002	EPA	1206	02/04/11
0B04001	EPA	0203	02/04/11
9I22001	High Purity	0926418	09/17/10
9F17001	High Purity	0911221	12/05/10
0B04004	High Purity	0934101	12/10/10
0E03001	High Purity	1010910	04/21/11
0E03001	High Purity	1010911	04/21/11
0B23007	High Purity	1004021	02/10/11

Multi-Element Stock Standard Concentrations:

Stock Standard	Analyte Concentrations (µg/mL)
RSTD-1 multi-element standard mix	Cd:1,000 Cr:1,000 Cu:1,000 Pb:1,000 Ni:1,000 Se:1,000 Ag:100 Tl:1,000 Zn:1,000
RSTD-2A/2B multi-element standard mix	Part A: As:1,000 Ba:1,000 Be:1,000 Co:1,000 Mn:1,000 Mo:1,000 V:1,000 Part B: Fe:25,000
RSTD-3A/3B multi-element standard mix	Part A: Ca:10,000 Mg:10,000 K:10,000 Na:10,000 Part B: Al:10,000
RSTD-4 multi-element standard mix	Sb:1,000 Bi:1,000 B:1,000 Sn:1,000 Ti:1,000
SPEX-R multi-element standard mix	Mo:1,000 Sn:1,000 Bi:1,000 Ti:1,000 B:1,000
ICP-AES-CRQL-R multi-element standard mix	Ag:10 Be:5 Cd:5 Co:50 Cr:10 Cu:25 Mn:15 Ni:40 Tl:25 V:50 Zn:60 Pb:10 Se:35 As:10 Sb:60
PDS-R multi-element standard mix	Al:400 Ba:400 Ag:20 Be:10 Cd:10 Co:100 Cr:20 Cu:50 Fe:200 Mn:30 Ni:80 Tl:20 V:100 Zn:40 Pb:6 Se:10 As:20 Sb:120
Internal Mix	Li:50,000 Y:250
LRS 6010B multi-element standard mix	Al: 20 Sb:1 As:1 Ba:20 Be:0.5 Bi:2 B:2 Cd:0.5 Ca:500 Cr:1 Co:0.5 Cu:0.5 Fe:10 Pb:0.3 Mg:500 Mn:1 Mo:2 Ni:0.5 K:500 Se:0.5 Ti:0.5 V:2 Zn:2

Entered By: _____

Reviewed By: _____ Date: 6-3-10

*Ref# = Logbook ID, Page number, and item number from Materials Receipt Log
**High Purity is abbreviated "HP" on reporting forms

Daily Standards/QC Preparation Log for Trace ICP (P3 & P4) 2 of 3 CompuChem a division of Liberty Analytical Corp. **Worksheet 1 P(6) 2**

Standard Lot Number*	LIMS ID Number	Preparation instructions	Resultant Analyte Conc. (µg/L)
S0/ICB/CCB- 052310-JCF	0E23005	Place in a 500 mL volumetric flask: 100 mL deionized water, 20 mL concentrated HNO_3, and 100 mL concentrated HCl. Bring up to volume with deionized water. Transfer to a 2L Teflon bottle and add 1.5L deionized water. Final volume 2 L. Prepare as needed.	N/A
RSTD-1- 052610-JCF	0E26010	In a 200 mL volumetric flask, combine 150 mL deionized water, 2 mL concentrated HNO_3, and 10 mL concentrated HCl. Pipet 0.4 mL RSTD-1 into flask. Bring up to 200 mL volume with deionized water. Prepare as needed.	Cd:2,000 Cr:2,000 Cu:2,000 Pb:2,000 Ni:2,000 Se:2,000 Ag:200 Tl:2,000 Zn:2,000
RSTD-2- 052610-JCF	0E26011	In a 200 mL volumetric flask, combine 150 mL deionized water, 2 mL concentrated HNO_3, and 10 mL concentrated HCl. Pipet 0.4 mL each RSTD-2A and RSTD-2B into flask. Bring up to 200 mL volume with deionized water. Prepare as needed.	As:2,000 Ba:2,000 Be:2,000 Co:2,000 Fe:50,000 Mn:2,000 Mo:2,000 V:2,000
RSTD-3- 052610-JCF	0E26012	In a 200 mL volumetric flask, combine 150 mL deionized water, 2 mL concentrated HNO_3, and 10 mL concentrated HCl. Pipet 2.0 mL each RSTD-3A and RSTD-3B into flask. Bring up to 200 mL volume with deionized water. Prepare as needed.	K:100,000 Na:100,000 Al:100,000 Mg:100,000 Ca:100,000
RSTD-4- 052610-JCF	0E26013	In a 200 mL volumetric flask, combine 150 mL deionized water, 2 mL concentrated HNO_3, and 10 mL concentrated HCl. Pipet 0.4 mL RSTD-4 into flask. Bring up to 200 mL volume with deionized water. Prepare as needed.	Sn:2,000 Bi:2,000 Ti:2,000 Sb:2,000 B:2,000
ICV1- 051110-JCF	0E11002	Place in a 500 mL volumetric flask: 300 mL deionized water, 5 mL concentrated HNO_3, and 25 mL concentrated HCl. Pipet 50.0 mL ICV1 into flask and 0.55 mL Compuchem SPEX-R. Bring up to volume with deionized water. Transfer to a 500mL Teflon bottle. Final volume 500 mL. Prepare as needed.	Al:2,521 Ba:497 K:10,021 Mg:6,074 Na:10,097 Ca:10,026 Ag:501 Be:495 Cd:496 Co:499 Cr:490 Cu:492 Fe:5,082 Mn:499 Ni:503 Tl:1,028 V:501 Zn:1,025 Pb:1002 Se:1,029 As:999 Sb:994 Mo:1,100 Sn:1,100 Bi:1,100 Ti:1,100 B:1,100
CCV/CVS1- 051210-SCM	0E12009	Place in a 500-mL volumetric flask: 300 mL deionized water, 20 mL concentrated HNO_3, and 100 mL concentrated HCl. Add 50 ml of SM-770-40 Soln A and Soln B. Bring up to volume with deionized water. Transfer to a 2000mL Teflon bottle and add 1.5 L of deionized water. Prepare as needed.	Al:50,000 Ba:1,000 K:50,000 Mg:50,000 Na:50,000 Ca:50,000 Ag:100 Be:1,000 Cd:1,000 Co:1,000 Cr:1,000 Cu:1,000 Fe:25,000 Mn:1,000 Ni:1,000 Tl:1,000 V:1,000 Zn:1,100 Pb:1,000 Se:1,000 As:1,000 Mo:1,000 Sn:1,000 Bi:1,000 Ti:1,000 Sb:1,000 B:1,000
LRS- 042510-JCF	0D25008	In a 500 mL volumetric flask, combine 200 mL deionized water, 5 mL concentrated HNO_3 and 25 mL concentrated HCl. Pipet 5.0mL of LRS 6010B. Bring up to volume with deionized water and transfer to a 500mL Teflon bottle. Final volume 500 mL. Prepare as needed.	Al:200 Ba:200 K:5,000 Mg:5,000 Na:5,000 Ca:5,000 Ag:5 Be:5 Cd:5 Co:10 Cr:10 Cu:5 Fe:100 Mn:10 Ni:5 Tl:10 V:20 Zn:20 Pb:3 Se:5 As:10 Mo:20 Sn:20 Bi:20 Ti:20 Sb:10 B:20

Standard Solutions Prepared By: [signature]

Entered By: [signature]

Reviewed By: L. Fonseca Date: 6-3-10

*Standard Lot Number consists of standard ID, date prepared, and initials of preparer.

Daily Standards/QC Preparation Log for Trace ICP (P3 & P4) 3 of 3 CompuChem a division of Liberty Analytical Corp. **Worksheet 1 P(6) 2**

Standard Lot Number*	LIMS ID Number	Preparation Instructions	Resultant Analyte Conc. (µg/L)
As- 051310-JF	0E13006	In a 100 mL volumetric flask, combine 50 mL deionized water, 1 mL concentrated HNO_3, 5 mL concentrated HCl, and 0.1 mL 1000-ppm As standard. Bring to final 100 mL volume	As:1,000
ICSA- 051810-JF	0E18020	In a 500-mL volumetric flask, combine 350 mL deionized water, 5 mL concentrated HNO_3, and 25 mL concentrated HCl. Pipet 50.0 mL ICSA into flask. Bring up to volume with deionized water and transfer to a 500mL Teflon bottle. Final volume 500 mL.	Al:244,100 Ba:2 Ca:234,900 Co:4 Cr:43 Cu:23 Fe:95,600 Mg:247,500 Mn:19 Ni:21 Zn:28 Pb:10
ICSAB- 051810-JF	0E18021	In a 500-mL volumetric flask, combine 350 mL deionized water, 5 mL concentrated HNO_3, and 25 mL concentrated HCl. Pipet 50.0 mL ICSA and 50.0 mL ICSB into flask. Add 0.5 mL Compuchem SPEX-R. Bring up to volume with deionized water and transfer to a 500mL Teflon bottle. Final volume 500 mL.	Ag:206 Al:241,100 Ba:495 Be:475 Ca:231,100 Cd:940 Co:461 Cr:511 Cu:548 Fe:94,800 Mg:251,100 Mn:502 Ni:984 Tl:103 V:494 Zn:1028 Pb:61 Se:53 Sb:589 As:101 Sn:1,000 Bi:1,000 Mo:1,000 Ti:1,000 B:1,000
EPA-CRI- 052310-JF	0E23004	In a 500 mL volumetric flask, combine 300 mL deionized water, 5 mL concentrated HNO_3, and 25 mL concentrated HCl. Pipet 0.50 mL ICP-AES-CRQL-R and 25 µL Compuchem SPEX-R into flask. Bring up to volume with deionized water and transfer to a 500mL Teflon bottle. Final volume 500 mL. Prepare as needed.	Ag:10 Be:5 Cd:5 Co:50 Cr:10 Cu:25 Mn:15 Ni:40 Tl:25 V:50 Zn:60 Pb:10 Se:35 As:10 Sb:60 Sn:50 B:50 Mo:50 Bi:50 Ti:50
P3RINSE- 050910-JF	0E09008	In a 10 L container, combine 8 L deionized water and 400 mL concentrated HNO_3 Fill with deionized water. Final volume 10 L.	N/A
P4RINSE- 050910-JF	0E09006	In a 10 L container, combine 8 L deionized water and 400 mL concentrated HNO_3 Fill with deionized water. Final volume 10 L.	N/A
P5RINSE- NA	NA	In a 10 L container, combine 8 L deionized water and 400 mL concentrated HNO_3 Fill with deionized water. Final volume 10 L.	N/A
P3INTSTD- 050910-JF	0E09007	In a 10 L container, combine 8 L deionized water, 400 mL concentrated HNO_3, and 200 mL Internal Mix. Fill with deionized water. Final volume 10 L.	Li:1,000,000 Y:5,000
P4INTSTD- ~~050410-JF~~ 051110-JF ~~060210~~	0E11004	In a 10 L container, combine 8 L deionized water, 400 mL concentrated HNO_3, and 200 mL Internal Mix. Fill with deionized water. Final volume 10 L.	Li:1,000,000 Y:5,000
P5INTSTD- NA	NA	In a 10 L container, combine 8 L deionized water, 400 mL concentrated HNO_3, and 200 mL Internal Mix. Fill with deionized water. Final volume 10 L.	Li:1,000,000 Y:5,000

Standard Solutions Prepared By: _____

Entered By: _____

Reviewed By: L. Tomasko Date: 6-3-10

*Standard Lot Number consists of standard ID, date prepared, and initials of preparer.

METHOD: ALT-P4Q2 STANDARD: S0 BLANK
RUN TIME: 06/01/10 09:29:44

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
AVGE	.00433	.24193	.04158	.07841	.03143	.12908	.09261
SDEV	.00305	.00419	.00049	.00159	.00036	.00093	.00090
%RSD	70.501	1.7333	1.1689	2.0275	1.1505	.71741	.97252
#1	.00700	.24277	.04126	.07813	.03184	.12840	.09321
#2	.00500	.23738	.04214	.07697	.03129	.12871	.09157
#3	.00100	.24565	.04133	.08012	.03116	.13014	.09304

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
AVGE	.00042	.65830	-.00043	.04441	.00332	.00063	.00036
SDEV	.00021	.02914	.00105	.01384	.00049	.00036	.00127
%RSD	49.398	4.4268	247.83	31.174	14.791	57.378	356.26
#1	.00042	.68897	-.00042	.02849	.00276	.00084	.00021
#2	.00063	.65497	.00063	.05111	.00360	.00083	-.00083
#3	.00021	.63097	-.00148	.05362	.00361	.00021	.00170

ELEM	NI2316	TL1908	V_2924	ZN2062	SB2068	AS1890	22031
AVGE	-.00041	-.00757	.00112	.00049	.01513	.00420	.08042
SDEV	.00201	.00276	.00103	.00024	.00209	.00219	.03404
%RSD	490.96	36.496	92.230	49.620	13.829	52.219	42.330
#1	-.00147	-.00922	.00230	.00021	.01655	.00168	.11269
#2	-.00167	-.00438	.00042	.00063	.01272	.00563	.04485
#3	.00191	-.00911	.00064	.00064	.01611	.00530	.08372

ELEM	22032	19601	19602	SN1899	BI2230	MO2020	TI3349
AVGE	-.01927	-.05464	.05915	-.01310	.00182	.00349	-.00967
SDEV	.00847	.01204	.01512	.03969	.00072	.00299	.00332
%RSD	43.929	22.040	25.558	302.99	39.878	85.792	34.370
#1	-.01927	-.04168	.07562	-.04168	.00189	.00607	-.00628
#2	-.02774	-.05674	.04589	-.02983	.00250	.00417	-.00980
#3	-.01081	-.06549	.05595	.03222	.00106	.00021	-.01293

METHOD: ALT-P4Q2 STANDARD: S RSTD-1
RUN TIME: 06/01/10 09:36:53

ELEM	AG3280	CD2265	CR2677	CU3247	NI2316	TL1908	ZN2062
AVGE	5.7534	20.032	4.4563	122.35	7.3927	6.2920	2.0274
SDEV	.0580	.101	.0542	.75	.0314	.0254	.0210
%RSD	1.0088	.50273	1.2159	.61035	.42469	.40440	1.0365
#1	5.8127	20.146	4.5158	123.18	7.4286	6.3135	2.0510
#2	5.7507	19.992	4.4432	122.12	7.3785	6.2639	2.0207
#3	5.6967	19.957	4.4098	121.74	7.3709	6.2987	2.0106

ELEM	22031	22032	19601	19602
AVGE	33.059	11.869	8.9983	17.136
SDEV	.166	.094	.0877	.124
%RSD	.50135	.79081	.97496	.72331
#1	33.237	11.974	8.9469	16.993
#2	33.032	11.843	8.9485	17.194
#3	32.908	11.792	9.0996	17.219

STANDARDIZATION RPT. 06/01/10 09:49:34 AM PAGE 1

METHOD: ALT-P4Q2 STANDARD: S RSTD-3
RUN TIME: 06/01/10 09:44:02

ELEM	AL3082	CA3179	K_7664	MG2790	NA3302
AVGE	60.539	82.569	413.46	62.755	3.8686
SDEV	.516	1.111	4.25	.967	.0281
%RSD	.85261	1.3452	1.0281	1.5403	.72729
#1	60.020	81.292	408.95	61.659	3.8409
#2	61.052	83.312	417.40	63.487	3.8972
#3	60.545	83.103	414.04	63.118	3.8677

STANDARDIZATION RPT. 06/01/10 09:55:56 AM PAGE 1

METHOD: ALT-P4Q2 STANDARD: S RSTD-2
RUN TIME: 06/01/10 09:49:38

ELEM	BA4934	BE3130	CO2286	FE2714	MN2576	V_2924	AS1890
AVGE	32.330	16.490	4.3047	5.9731	4.8031	3.5888	14.948
SDEV	.253	.051	.0244	.0294	.0216	.0292	.058
%RSD	.78202	.30965	.56645	.49239	.45053	.81343	.38534
#1	32.319	16.431	4.2821	5.9396	4.7782	3.5906	14.882
#2	32.587	16.514	4.3305	5.9850	4.8176	3.5588	14.974
#3	32.082	16.525	4.3015	5.9947	4.8135	3.6171	14.988

ELEM	MO2020
AVGE	3.8889
SDEV	.0108
%RSD	.27646
#1	3.8766
#2	3.8939
#3	3.8963

METHOD: ALT-P4Q2 STANDARD: S RSTD-4
RUN TIME: 06/01/10 09:56:00

ELEM	SB2068	SN1899	BI2230	TI3349
AVGE	5.4487	20.647	3.9787	44.592
SDEV	.0178	.129	.0159	.377
%RSD	.32750	.62319	.40086	.84595
#1	5.4606	20.586	3.9780	44.883
#2	5.4282	20.561	3.9631	44.729
#3	5.4574	20.795	3.9950	44.166

ANALYSIS REPORT QC STANDARD 06/01/10 10:08:42 AM PAGE 1

METHOD: ALT-P4Q2 SAMPLE NAME: ICV1 OPERATOR:
RUN TIME: 06/01/10 10:01:36
COMMENT: ICV1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	539.2858	2450.417	502.7192	502.8177	9727.450	529.6948	507.9078
SDEV	3.8227	10.533	5.1274	6.2035	144.093	3.2679	4.8959
%RSD	.7088516	.4298415	1.019927	1.233756	1.481307	.6169405	.9639255
#1	534.9026	2455.134	508.6385	497.1933	9588.774	525.9385	502.4719
#2	541.0251	2438.350	499.6516	501.7882	9717.165	531.8842	509.2812
#3	541.9296	2457.767	499.8675	509.4716	9876.410	531.2616	511.9703
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	501.0000	2521.000	497.0000	495.0000	10026.00	496.0000	499.0000
RANGE	10.40000	10.40000	10.40000	10.40000	10.40000	10.40000	10.40000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	520.4164	526.4744	4937.147	10789.26	5965.898	494.4835	9659.353
SDEV	13.1192	1.2806	75.963	105.47	72.259	7.8776	29.129
%RSD	2.520903	.2432493	1.538596	.9775220	1.211194	1.593103	.3015624
#1	508.1897	525.8444	4866.338	10900.00	5903.615	486.5604	9679.373
#2	518.7841	525.6308	4927.719	10777.76	5948.957	494.5753	9625.936
#3	534.2753	527.9480	5017.383	10690.01	6045.122	502.3148	9672.752
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	490.0000	492.0000	5082.000	10021.00	6074.000	499.0000	10097.00
RANGE	10.40000	10.40000	10.40000	10.40000	10.40000	10.40000	10.40000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	524.7100	1050.070	503.5910	1069.295	1035.502	1020.136	1014.756
SDEV	4.3098	8.913	9.5723	17.632	8.874	2.968	3.541
%RSD	.8213625	.8487580	1.900809	1.648904	.8569413	.2909648	.3489302
#1	520.4926	1040.040	493.5883	1049.508	1025.350	1016.713	1011.390
#2	524.5308	1053.088	504.5195	1075.037	1039.373	1021.993	1014.428
#3	529.1065	1057.081	512.6652	1083.340	1041.782	1021.702	1018.449
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	503.0000	1028.000	501.0000	1025.000	1002.000	1029.000	994.0000
RANGE	10.40000	10.40000	10.40000	10.40000	10.40000	10.40000	10.40000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1012.841	1040.136	1033.185	1025.994	1017.209	1130.464	1097.013
SDEV	9.118	9.417	9.476	1.097	4.417	9.163	2.622
%RSD	.9002832	.9053577	.9171185	.1069380	.4342686	.8105261	.2389971
#1	1003.213	1030.005	1023.023	1025.780	1012.184	1120.995	1097.935
#2	1013.963	1048.622	1034.752	1025.020	1020.479	1131.109	1099.050
#3	1021.346	1041.782	1041.779	1027.183	1018.964	1139.286	1094.055
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	999.0000					1100.000	1100.000
RANGE	10.40000					10.40000	10.40000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1082.373	1099.764	4692.866
SDEV	10.807	4.244	26.200
%RSD	.9984340	.3858558	.5582998
#1	1071.058	1095.362	4668.733
#2	1083.476	1103.830	4689.133
#3	1092.587	1100.101	4720.733
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1100.000	1100.000	
RANGE	10.40000	10.40000	

METHOD: ALT-P4Q2 SAMPLE NAME: ICB OPERATOR:
RUN TIME: 06/01/10 10:08:45
COMMENT: ICB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0000000	49.50936	.1048838	.1648288	417.0830	.1437489	-.189347
SDEV	.1715985	5.81106	.0837667	.0966928	1.3373	.1250477	.219513
%RSD	6909E6	11.73729	79.86619	58.66256	.3206236	86.99038	115.9318
#1	.1971243	45.13832	.1946439	.0765434	418.6149	.1057758	-.231688
#2	-.115955	47.28592	.0912160	.1497789	416.1488	.2833815	-.384606
#3	-.081169	56.10384	.0287915	.2681641	416.4853	.0420894	.0482524
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2599505	.1424318	9.394834	-1445.39	49.52970	.1970955	-43.3737
SDEV	.3112267	.3419766	5.723921	5.78	2.21133	.0486899	88.2404
%RSD	119.7254	240.0985	60.92625	.3999299	4.464655	24.70370	203.4424
#1	-.093275	.5368561	2.835574	-1441.67	49.63751	.2529635	4.657688
#2	.3792410	-.071215	13.37827	-1442.45	51.68515	.1637047	10.43172
#3	.4938856	-.038346	11.97066	-1452.05	47.26643	.1746183	-145.210
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1693940	-.660459	-.185308	.6128014	.7935528	-.441665	.5950077
SDEV	.3753608	2.326332	.060644	.3085473	.9154092	.679777	1.459356
%RSD	221.5904	352.2295	32.72618	50.35030	115.3558	153.9123	245.2667
#1	-.232713	-1.62286	-.150887	.9506487	1.552988	-1.11540	-1.04450
#2	.5105489	1.992643	-.149707	.5418363	1.050560	-.453585	1.077510
#3	.2303456	-2.35116	-.255331	.3459193	-.222889	.2439931	1.752010
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-3.05652	-3.11027	2.739989	-2.19935	.4333633	.2818313	-.606195
SDEV	2.92040	2.28512	.664540	3.73081	2.822676	1.591820	2.286189
%RSD	95.54652	73.47014	24.25338	169.6325	651.3419	564.8130	377.1377
#1	.3139505	-.564549	2.607634	.2608911	-1.80489	1.835601	1.955771
#2	-4.83487	-3.78210	3.460746	-.366894	-.499385	.3553817	-1.33590
#3	-4.64863	-4.98417	2.151586	-6.49204	3.604361	-1.34549	-2.43846
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.442823	.1757885	4736.844
SDEV	1.347111	.0125628	76.731
%RSD	93.36639	7.146549	1.619875
#1	2.882356	.1678842	4766.733
#2	1.233465	.1692066	4794.133
#3	.2126473	.1902747	4649.667
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: CRI OPERATOR:
RUN TIME: 06/01/10 10:15:54
COMMENT: CRI
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	9.809834	25.98738	.1493930	5.853406	375.9710	5.138289	49.48420
SDEV	.200840	2.24974	.0271865	.170370	.7801	.191540	.65483
%RSD	2.047334	8.657035	18.19800	2.910616	.2074822	3.727690	1.323303
#1	9.693879	25.03693	.1383627	5.782616	376.5959	5.140853	49.54468
#2	9.693879	24.36885	.1294551	5.729845	376.2203	4.945481	48.80122
#3	10.04174	28.55636	.1803612	6.047759	375.0967	5.328535	50.10668
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	10.00000	.0000000	.0000000	5.000000	.0000000	5.000000	50.00000
RANGE	3.000000	400.0000	400.0000	1.500000	2000.000	1.500000	15.00000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	10.06194	25.45681	-12.9410	-1434.52	-1.21565	15.81327	10.88570
SDEV	.27465	.16867	11.1781	5.25	2.36654	.29647	72.96100
%RSD	2.729592	.6625720	86.37737	.3658818	194.6736	1.874788	670.2463
#1	10.32350	25.59924	-1.75161	-1438.19	-2.84576	16.15555	-28.1416
#2	10.08646	25.27055	-12.9636	-1436.86	1.498769	15.63743	-34.2610
#3	9.775849	25.50063	-24.1077	-1428.51	-2.29994	15.64682	95.05969
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	10.00000	25.00000	.0000000	.0000000	.0000000	15.00000	.0000000
RANGE	3.000000	7.500000	200.0000	2000.000	2000.000	4.500000	2000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	41.83440	23.50144	49.37636	63.60467	9.514122	34.41217	62.22384
SDEV	.46703	.80942	.05576	.54880	.252058	.57650	2.49729
%RSD	1.116370	3.444120	.1129374	.8628276	2.649306	1.675287	4.013400
#1	41.78120	22.57374	49.42990	63.84139	9.575422	33.90815	64.55782
#2	41.39625	23.86684	49.38057	62.97724	9.729876	35.04078	62.52341
#3	42.32575	24.06373	49.31861	63.99538	9.237067	34.28757	59.59027
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	40.00000	25.00000	50.00000	60.00000	10.00000	35.00000	60.00000
RANGE	12.00000	12.50000	15.00000	18.00000	5.000000	10.50000	30.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	Q6.146929	9.528299	9.504026	33.33766	34.94593	49.45590	50.27281
SDEV	1.433839	1.444102	1.096233	1.59037	1.06909	1.38572	1.34458
%RSD	23.32610	15.15592	11.53441	4.770497	3.059266	2.801931	2.674565
#1	Q6.602584	8.944907	9.887173	31.91811	34.89898	47.91497	49.64297
#2	7.297571	8.467158	10.35726	33.03851	36.03773	49.85305	49.35876
#3	Q4.540632	11.17283	8.267644	35.05637	33.90110	50.59969	51.81670
ERRORS	QC FAIL	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	NOCHECK
VALUE	10.00000					50.00000	
RANGE	3.000000					15.00000	

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	46.99931	48.90644	4504.777
SDEV	.63205	.57941	33.615
%RSD	1.344805	1.184725	.7462081
#1	46.82639	49.55691	4478.533
#2	47.69981	48.71676	4493.133
#3	46.47171	48.44565	4542.667
ERRORS	NOCHECK	NOCHECK	NOCHECK
VALUE			
RANGE			

METHOD: ALT-P4Q2 SAMPLE NAME: ICSA OPERATOR:
RUN TIME: 06/01/10 10:23:02
COMMENT: ICSA
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.266698	236583.5	2.620434	1.184290	251984.8	8.109126	-.104239
SDEV	.144828	2584.6	.113634	.212146	4062.8	.221076	.236760
%RSD	54.30433	1.092469	4.336456	17.91338	1.612313	2.726258	227.1319
#1	-.150742	234193.8	2.751638	1.424025	247744.7	8.345177	-.328232
#2	-.220315	236230.0	2.556246	1.108026	252366.4	8.075272	.1434994
#3	-.429035	239326.6	2.553420	1.020819	255843.3	7.906931	-.127985
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	244100.0	2.000000	.0000000	234900.0	.0000000	4.000000
RANGE	10.00000	48820.00	400.0000	10.00000	46980.00	10.00000	10.00000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	45.48906	24.57483	95462.55	-1429.14	259114.8	18.83583	899.7162
SDEV	1.46334	.14359	1386.28	3.68	3244.5	.32374	43.3493
%RSD	3.216906	.5842819	1.452173	.2574651	1.252163	1.718731	4.818112
#1	44.59543	24.41596	94562.88	-1424.92	257045.0	18.55624	948.3849
#2	44.69394	24.69535	94765.77	-1430.80	257445.2	18.76073	885.5153
#3	47.17783	24.61318	97059.00	-1431.70	262854.1	19.19051	865.2485
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	43.00000	23.00000	95600.00	.0000000	247500.0	19.00000	.0000000
RANGE	20.00000	10.00000	19120.00	2000.000	49500.00	20.00000	2000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	22.21630	8.247734	-3.42435	35.06207	5.717606	-1.71415	.2438313
SDEV	.33882	2.942858	.36316	.19707	1.620412	2.95922	2.874278
%RSD	1.525112	35.68081	10.60536	.5620580	28.34075	172.6352	1178.798
#1	22.59083	9.789414	-3.07643	35.12826	5.182280	-3.67933	2.796905
#2	22.12701	10.09946	-3.80104	34.84042	4.432591	-3.15242	.8038220
#3	21.93107	4.854332	-3.39557	35.21752	7.537945	1.689301	-2.86923
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	21.00000	.0000000	1.000000	28.00000	10.00000	.0000000	.0000000
RANGE	10.00000	20.00000	40.00000	40.00000	6.000000	10.00000	20.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.10884	-8.30742	12.71631	7.056289	-6.09543	1.705831	4.394902
SDEV	.40692	1.60737	3.22843	1.697619	4.57888	2.967427	1.170148
%RSD	36.69821	19.34863	25.38813	24.05824	75.11983	173.9579	26.62513
#1	-.955192	-7.96915	11.74484	5.541776	-8.28560	4.511669	5.499003
#2	-1.57022	-6.89611	10.08516	8.891320	-9.16790	-1.40034	3.168339
#3	-.801110	-10.0570	16.31893	6.735771	-.832794	2.006165	4.517365
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	20.00000					100.0000	100.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.928397	-4.61842	4589.511
SDEV	1.868667	.00574	10.479
%RSD	201.2788	.1242890	.2283196
#1	.9213743	-4.62364	4588.933
#2	-.891164	-4.61227	4600.267
#3	-2.81540	-4.61933	4579.333

ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	100.0000	100.0000	

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METHOD: ALT-P4Q2 SAMPLE NAME: ICSAB OPERATOR:
RUN TIME: 06/01/10 10:30:10
COMMENT: ICSAB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	210.2041	243580.9	505.2797	477.7933	242208.0	976.8732	467.8904
SDEV	2.8370	3245.8	7.1661	1.4586	620.7	4.1353	1.1259
%RSD	1.349632	1.332519	1.418242	.3052774	.2562518	.4233212	.2406349
#1	213.3349	240193.7	497.6127	476.5017	242803.0	977.3309	468.3060
#2	209.4736	243885.2	506.4178	477.5030	241564.5	972.5281	466.6157
#3	207.8038	246663.8	511.8087	479.3752	242256.4	980.7606	468.7494
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	206.0000	241100.0	495.0000	475.0000	231100.0	940.0000	461.0000
RANGE	41.20000	48220.00	400.0000	95.00000	46220.00	188.0000	92.20000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	527.6021	546.5955	92336.27	-1429.20	254501.6	487.7480	748.0809
SDEV	3.5097	2.5625	255.62	3.39	1271.7	4.0392	77.6520
%RSD	.6652223	.4688198	.2768360	.2370860	.4996920	.8281319	10.38016
#1	523.8265	549.4935	92168.45	-1431.22	253066.2	483.7730	666.7917
#2	528.2145	545.6642	92209.91	-1431.08	254951.1	487.6226	755.9554
#3	530.7653	544.6289	92630.47	-1425.28	255487.6	491.8485	821.4957
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	511.0000	548.0000	94800.00	.0000000	251100.0	502.0000	.0000000
RANGE	102.2000	109.6000	18960.00	2000.000	50220.00	100.4000	2000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1001.510	115.3812	479.3438	973.5144	56.09301	47.02555	616.1391
SDEV	2.486	6.3240	7.4178	6.3969	2.94782	3.67752	3.4511
%RSD	.2482658	5.480997	1.547499	.6570927	5.255233	7.820262	.5601177
#1	1000.731	109.7979	470.8155	980.8492	53.48946	45.10762	618.2700
#2	999.5066	114.0969	482.9191	969.0912	59.29367	51.26557	612.1574
#3	1004.293	122.2488	484.2970	970.6028	55.49588	44.70346	617.9899
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	984.0000	103.0000	494.0000	1028.000	61.00000	53.00000	589.0000
RANGE	196.8000	20.60000	98.80000	205.6000	12.20000	10.60000	117.8000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	99.63528	35.70061	66.27022	50.22838	45.42377	973.7637	1000.097
SDEV	3.44518	3.05821	3.05438	4.40643	3.31978	1.4222	3.979
%RSD	3.457787	8.566253	4.608977	8.772789	7.308465	.1460568	.3978514
#1	103.4355	34.03798	63.19791	47.67077	43.82524	972.3527	995.7835
#2	98.75414	39.22996	69.30634	55.31646	49.24039	973.7416	1000.883
#3	96.71624	33.83391	66.30641	47.69790	43.20567	975.1969	1003.624
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	101.0000					1000.000	1000.000
RANGE	20.20000					200.0000	200.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	922.3020	965.1104	4374.511
SDEV	6.3221	5.1079	73.301
%RSD	.6854685	.5292557	1.675628
#1	916.1757	964.6807	4447.999
#2	921.9272	960.2309	4374.133
#3	928.8032	970.4196	4301.400
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	200.0000	200.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV OPERATOR:
RUN TIME: 06/01/10 10:37:19
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	106.4587	46967.62	972.7573	1006.739	48127.48	1031.370	974.8431
SDEV	.9749	350.43	8.8790	3.469	410.10	2.807	6.4195
%RSD	.9157139	.7461100	.9127642	.3445641	.8521172	.2722045	.6585206
#1	105.4615	47319.73	982.0540	1002.735	47686.96	1029.537	970.3732
#2	106.5051	46964.25	964.3652	1008.858	48197.25	1029.969	971.9570
#3	107.4096	46618.89	971.8528	1008.623	48498.22	1034.602	982.1992
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1032.252	1027.881	24089.95	50891.58	49218.64	977.1611	49459.65
SDEV	12.338	6.492	144.19	647.45	146.63	11.3832	208.87
%RSD	1.195214	.6315513	.5985458	1.272222	.2979076	1.164921	.4223018
#1	1019.330	1021.587	23968.77	51624.17	49279.78	966.2100	49693.10
#2	1033.519	1027.503	24051.66	50654.43	49051.34	976.3413	49290.46
#3	1043.907	1034.553	24249.42	50396.13	49324.81	988.9320	49395.39
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1017.380	1008.702	992.0812	1144.469	1007.651	1014.859	1020.716
SDEV	2.934	1.676	1.7168	6.855	.912	9.698	4.930
%RSD	.2883597	.1661097	.1730531	.5989889	.0905307	.9556406	.4830129
#1	1016.897	1009.106	992.2432	1138.165	1006.946	1026.058	1026.005
#2	1014.718	1006.861	993.7114	1143.476	1007.327	1009.217	1016.249
#3	1020.526	1010.138	990.2892	1151.767	1008.682	1009.303	1019.893
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1009.094	1006.864	1008.041	1026.346	1009.122	1027.954	1000.673
SDEV	3.228	1.574	1.491	15.392	7.337	5.402	8.980
%RSD	.3198819	.1562975	.1479157	1.499709	.7270505	.5254671	.8974026
#1	1012.659	1005.376	1007.726	1043.596	1017.300	1034.096	1010.700
#2	1006.369	1008.511	1006.733	1021.431	1003.117	1023.941	997.9486
#3	1008.254	1006.705	1009.665	1014.012	1006.950	1025.825	993.3710
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	994.3650	998.3530	4641.622
SDEV	4.1227	2.4873	65.120
%RSD	.4146096	.2491444	1.402961
#1	994.2385	996.8560	4569.066
#2	990.3070	1001.224	4660.800
#3	998.5496	996.9789	4694.999
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

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METHOD: ALT-P4Q2 SAMPLE NAME: CCB OPERATOR:
RUN TIME: 06/01/10 10:44:28
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.185529	6.841782	.0167820	.2470612	370.9499	-.264132	-.765300
SDEV	.211599	3.930407	.0823241	.1439638	.5625	.020388	.246346
%RSD	114.0518	57.44712	490.5485	58.27052	.1516383	7.718988	32.18949
#1	-.046382	9.088824	.0678912	.3472878	370.5318	-.279172	-.565472
#2	-.081169	2.303411	.0606403	.0820934	371.5894	-.272297	-.689892
#3	-.429035	9.133111	-.078185	.3118025	370.7283	-.240927	-1.04054
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4956590	-.104084	-3.13733	-1442.48	-.791202	.0583109	-64.0729
SDEV	.1619246	.242093	2.77962	7.00	2.454428	.0530657	79.8794
%RSD	32.66855	232.5941	88.59830	.4850539	310.2149	91.00483	124.6696
#1	.5904918	-.235559	-6.17060	-1437.99	-1.78849	-.002853	-55.0998
#2	.5877941	.1752998	-.711984	-1438.91	2.004893	.0856944	10.94108
#3	.3086911	-.251993	-2.52941	-1450.54	-2.59001	.0920911	-148.060
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3707726	-2.14186	-.340786	.2778129	-2.03994	-.612510	-.068926
SDEV	.5993965	2.51404	.367353	.1216310	1.71207	1.622618	1.466307
%RSD	161.6615	117.3767	107.7959	43.78161	83.92717	264.9129	2127.375
#1	-.181656	-1.64895	-.020644	.3460475	-.960701	-1.67736	1.363630
#2	.2858863	-4.86584	-.259859	.1373842	Q-4.01400	1.255003	-.003607
#3	1.008087	.0892278	-.741855	.3500070	-1.14513	-1.41517	-1.56680
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.30572	-4.25807	-.935159	-4.25956	1.205666	.7341528	-.048028
SDEV	.81993	3.53117	1.497495	3.78721	2.280346	1.075020	1.366076
%RSD	35.56068	82.92894	160.1327	88.91097	189.1358	146.4300	2844.312
#1	-2.64809	-.487209	-1.19969	-2.23706	-1.40053	.2429838	.3940985
#2	-1.37009	-7.48686	-2.28276	-1.91296	2.834021	-.007548	1.042227
#3	-2.89897	-4.80013	.6769747	-8.62865	2.183506	1.967023	-1.58041
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.488936	.0353827	4622.022
SDEV	1.102085	.0762335	57.966
%RSD	74.01831	215.4544	1.254118
#1	2.666092	.0739722	4648.600
#2	1.319069	.0846057	4661.933
#3	.4816464	-.052430	4555.533
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: LRS OPERATOR:
RUN TIME: 06/01/10 10:53:02
COMMENT: SDG:LRS CLIENTID:LRS 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3.872913	221.7981	194.4248	6.207468	4887.710	5.184595	4.916995
SDEV	.140588	2.5241	2.7513	.146063	107.266	.430520	.761083
%RSD	3.630043	1.138012	1.415080	2.353026	2.194608	8.303827	15.47863
#1	3.745362	219.0326	196.7584	6.075803	4787.031	4.781117	4.473997
#2	4.023655	222.3840	195.1250	6.364584	4875.569	5.134835	4.481181
#3	3.849722	223.9777	191.3911	6.182016	5000.530	5.637832	5.795809
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	7.500000	300.0000	300.0000	7.500000	7500.000	7.500000	7.500000
LOW	2.500000	100.0000	100.0000	2.500000	2500.000	2.500000	2.500000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	9.721294	4.535881	L47.62000	4846.626	4899.488	9.716681	4785.363
SDEV	.838431	.180279	6.96860	89.474	47.552	.175167	109.734
%RSD	8.624689	3.974512	14.63376	1.846099	.9705532	1.802747	2.293117
#1	10.10863	4.678312	55.48661	4917.423	4844.665	9.524708	4690.793
#2	8.759221	4.333191	L42.22087	4876.390	4929.543	9.757503	4905.682
#3	10.29603	4.596140	L45.15252	4746.063	4924.256	9.867833	4759.614
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	15.00000	7.500000	150.0000	7500.000	7500.000	15.00000	7500.000
LOW	5.000000	2.500000	50.00000	2500.000	2500.000	5.000000	2500.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	5.260096	8.350606	19.72791	20.83795	2.940507	4.747622	10.09466
SDEV	.922188	.568382	.45787	.29317	.735560	.758514	.58060
%RSD	17.53178	6.806473	2.320911	1.406919	25.01472	15.97672	5.751527
#1	6.011841	8.514577	19.44775	20.50703	3.575318	5.342085	9.636289
#2	4.231084	7.718263	19.47970	21.06523	3.111781	3.893341	10.74754
#3	5.537362	8.818977	20.25629	20.94157	2.134420	5.007440	9.900154
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	7.500000	15.00000	30.00000	30.00000	4.500000	7.500000	15.00000
LOW	2.500000	5.000000	10.00000	10.00000	1.500000	2.500000	5.000000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	7.157039	3.812848	2.501981	6.540280	3.849962	20.87520	21.29538
SDEV	1.537573	3.219380	1.747143	4.080097	3.027424	2.89265	.79681
%RSD	21.48336	84.43505	69.83038	62.38413	78.63517	13.85685	3.741703
#1	8.797286	1.983991	4.366756	1.911311	7.052204	18.77537	21.36332
#2	6.925406	7.530108	.9029082	9.614154	1.034538	24.17465	22.05605
#3	5.748424	1.924444	2.236279	8.095376	3.463144	19.67556	20.46678
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	15.00000					30.00000	30.00000
LOW	5.000000					10.00000	10.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	19.63359	19.64424	4516.555
SDEV	.61400	.08941	49.705
%RSD	3.127287	.4551404	1.100507
#1	19.38621	19.62130	4478.533
#2	20.33269	19.56854	4498.333
#3	19.18187	19.74289	4572.800
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	30.00000	30.00000	
LOW	10.00000	10.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0051812-BLK1 OPERATOR:
RUN TIME: 06/01/10 11:00:11
COMMENT: SDG:1005065 CLIENTID:PBW 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.185529	20.04495	.0398742	.5384911	379.0334	-.154452	-.487567
SDEV	.271692	6.95274	.0515742	.1775206	.9869	.073001	.226387
%RSD	146.4422	34.68572	129.3423	32.96630	.2603813	47.26486	46.43199
#1	.1275510	24.60802	.0963280	.7068731	377.9051	-.092514	-.663395
#2	-.359462	23.48394	-.004773	.5555385	379.7364	-.234938	-.232128
#3	-.324675	12.04290	.0280677	.3530618	379.4587	-.135904	-.567177
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000
LOW	-5.00000	-200.000	-200.000	-5.00000	-5000.00	-5.00000	-5.00000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.092136	.0273910	-8.41577	-1423.56	.0814562	.1398763	36.08216
SDEV	.164691	.1807777	10.09893	2.08	.7154876	.0987820	12.27897
%RSD	178.7487	659.9894	120.0001	.1460520	878.3712	70.62096	34.03059
#1	-.282302	-.153387	2.859965	-1425.09	-.625792	.0827979	46.19201
#2	.0038648	.0273910	-11.4784	-1421.19	.8049076	.0828911	22.41815
#3	.0020301	.2081687	-16.6288	-1424.40	.0652533	.2539399	39.63631
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000
LOW	-5.00000	-5.00000	-100.000	-5000.00	-5000.00	-10.0000	-5000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0962415	-4.93291	-.190196	4.097767	.2631161	.2029845	.0485875
SDEV	.8894685	.75939	.067398	1.313273	1.138118	.8123773	1.638231
%RSD	924.2047	15.39430	35.43629	32.04850	432.5536	400.2164	3371.710
#1	.7481558	-5.80509	-.146034	2.605506	-.607846	-.155202	1.108308
#2	.4576052	-4.57529	-.267773	5.077464	1.550878	-.368744	.8757621
#3	-.917037	-4.41836	-.156780	4.610331	-.153683	1.132900	-1.83831
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000
LOW	-40.0000	-10.0000	-20.0000	-20.0000	-3.00000	-5.00000	-10.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.47284	1.135295	-.174872	-3.61912	2.108621	-1.16335	.6998104
SDEV	2.26757	1.367409	1.476618	4.69307	1.264770	.76452	1.792554
%RSD	91.69910	120.4453	844.3980	129.6741	59.98090	65.71730	256.1485
#1	-4.96615	1.611899	-1.71862	-3.87928	1.701484	-.650972	2.309742
#2	-.533769	2.200621	1.223930	-8.17670	3.526818	-.796970	1.021495
#3	-1.91860	-.406634	-.029930	1.198612	1.097561	-2.04212	-1.23181
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	10.00000					100.0000	50.00000
LOW	-10.0000					-100.000	-50.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.625703	-.075480	4732.533
SDEV	.554224	.048833	32.805
%RSD	88.57632	64.69722	.6931830
#1	-.035037	-.045357	4714.466
#2	-1.13434	-.131822	4712.733
#3	-.707727	-.049260	4770.400
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	5.000000	40.00000	
LOW	-5.00000	-40.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0051812-BS1 OPERATOR:
RUN TIME: 06/01/10 11:07:19
COMMENT: SDG:1005065 CLIENTID:LCSW 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1025.452	19029.00	19105.42	486.9346	46967.34	498.9880	4716.501
SDEV	10.913	234.25	171.62	2.6119	128.27	2.1982	31.739
%RSD	1.064165	1.231000	.8982741	.5363990	.2731110	.4405278	.6729332
#1	1037.326	18764.08	19291.55	483.9467	46820.34	499.6320	4704.633
#2	1023.168	19114.18	18953.46	488.0727	47025.06	500.7923	4752.463
#3	1015.863	19208.74	19071.25	488.7843	47056.61	496.5398	4692.406
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1200.000	24000.00	24000.00	600.0000	60000.00	600.0000	6000.000
LOW	800.0000	16000.00	16000.00	400.0000	40000.00	400.0000	4000.000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1000.636	2578.599	9259.819	52045.16	47234.02	1418.399	50267.20
SDEV	3.663	5.866	20.009	746.84	251.28	11.055	460.64
%RSD	.3660792	.2275021	.2160832	1.434988	.5319996	.7794263	.9163747
#1	1004.250	2583.507	9252.398	51183.20	47003.06	1422.853	49737.72
#2	1000.734	2572.102	9282.478	52452.68	47501.61	1426.533	50488.05
#3	996.9252	2580.187	9244.581	52499.59	47197.40	1405.812	50575.83
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1200.000	3000.000	12000.00	60000.00	60000.00	1800.000	60000.00
LOW	800.0000	2000.000	8000.000	40000.00	40000.00	1200.000	40000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3912.220	959.5925	4910.556	1980.649	291.4547	463.1220	5914.826
SDEV	16.429	9.2799	30.660	15.879	3.8937	6.3103	28.945
%RSD	.4199430	.9670671	.6243612	.8016885	1.335962	1.362556	.4893606
#1	3918.025	949.0369	4877.246	1984.334	288.4882	456.0034	5928.949
#2	3924.959	963.2731	4937.595	1994.361	295.8639	468.0280	5933.998
#3	3893.677	966.4675	4916.827	1963.252	290.0121	465.3347	5881.530
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	4800.000	1200.000	6000.000	2400.000	360.0000	600.0000	7200.000
LOW	3200.000	800.0000	4000.000	1600.000	240.0000	400.0000	4800.000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	964.5699	287.9758	293.1881	457.1961	466.0778	994.1347	980.1293
SDEV	11.7077	6.9661	2.3690	9.6099	7.7723	8.3133	3.6393
%RSD	1.213778	2.418994	.8080128	2.101914	1.667587	.8362383	.3713074
#1	952.7100	282.3965	291.5257	449.0336	459.4804	984.5554	976.0240
#2	976.1193	295.7835	295.9006	454.7674	474.6456	999.4627	982.9595
#3	964.8805	285.7473	292.1379	467.7874	464.1075	998.3860	981.4044
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	1200.000					1205.000	1205.000
LOW	800.0000					795.0000	795.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	969.2806	986.1492	4539.777
SDEV	7.9062	5.1103	61.132
%RSD	.8156724	.5182058	1.346594
#1	970.2351	980.3064	4610.333
#2	976.6662	988.3555	4502.600
#3	960.9406	989.7856	4506.400
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	1205.000	1205.000	
LOW	795.0000	795.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005065-01 OPERATOR:
RUN TIME: 06/01/10 11:14:28
COMMENT: SDG:1005065 CLIENTID:SDZ-WN22 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1507421	109.5800	10.48207	3.080193	364492.1	9.393955	33.31194
SDEV	.2096839	10.5738	.36171	.393665	6449.5	.246112	.05688
%RSD	139.1011	9.649371	3.450781	12.78052	1.769446	2.619895	.1707437
#1	.3710575	121.6510	10.89633	3.534544	357062.8	9.471795	33.26432
#2	-.046382	105.1329	10.32108	2.865073	367760.1	9.118336	33.29657
#3	.1275510	101.9561	10.22881	2.840960	368653.5	9.591735	33.37492
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.59755	-2.16386	382.9233	C.0000000	H1089487.	148.5764	H4091034.
SDEV	.99851	.30848	26.0075	.0000000	12911.	.9868	23460.
%RSD	62.50248	14.25611	6.791839	.0000000	1.185069	.6641927	.5734506
#1	-2.70059	-2.43776	364.0740	C.0000000	H1074719.	147.4914	H4116425.
#2	-1.33670	-1.82969	372.1015	C.0000000	H1095104.	149.4203	H4086517.
#3	-.755353	-2.22412	412.5944	C.0000000	H1098638.	148.8176	H4070162.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC PASS	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.287845	-5.11301	1.047470	4.374359	-1.42561	1.196406	2.396350
SDEV	.530167	1.19569	.931812	.648272	1.25961	1.994771	3.671664
%RSD	184.1852	23.38528	88.95837	14.81983	88.35631	166.7303	153.2190
#1	-.564686	-3.76798	1.853697	3.626148	-.089737	-.373023	2.584022
#2	.3234359	-6.05543	1.261424	4.768259	-2.59175	3.441182	5.970579
#3	-.622283	-5.51562	.0272889	4.728672	-1.59533	.5210574	-1.36555
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.120283	4.401035	-4.33859	-10.0512	6.807891	3.587305	3.490324
SDEV	2.768422	4.801009	1.82628	3.7396	4.099639	4.777268	1.794176
%RSD	247.1181	109.0882	42.09387	37.20520	60.21893	133.1715	51.40428
#1	3.708705	9.408959	-4.83592	-5.99029	2.427444	9.011443	5.552150
#2	1.450637	3.956249	-5.86469	-10.8103	10.55240	1.744908	2.634697
#3	-1.79849	-.162104	-2.31516	-13.3529	7.443830	.0055626	2.284126
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	11.40347	-20.7900	3136.000
SDEV	1.71294	.1868	59.745
%RSD	15.02123	.8985854	1.905133
#1	13.30736	-20.9311	3068.933
#2	10.91584	-20.8607	3155.533
#3	9.987220	-20.5781	3183.533
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0051812-DUP1 OPERATOR:
RUN TIME: 06/01/10 11:21:36
COMMENT: SDG:1005065 CLIENTID:SDZ-WN22D 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.046382	82.21138	10.22433	1.994401	388212.1	9.326572	33.51675
SDEV	.104360	9.63121	.07440	.266419	8564.1	.769616	1.25276
%RSD	225.0000	11.71518	.7276539	13.35837	2.206042	8.251865	3.737708
#1	-.046382	93.20412	10.29552	2.301783	397000.8	10.02469	34.92791
#2	-.150742	75.25555	10.14710	1.851517	387743.8	9.453726	33.08661
#3	.0579777	78.17448	10.23038	1.829904	379891.8	8.501297	32.53572
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.915763	-1.90638	428.3623	C.0000000	H1137951.	154.0200	H4029898.
SDEV	.682417	.05021	15.2683	.0000000	23985.	4.3872	49977.
%RSD	74.51900	2.633685	3.564341	.0000000	2.107706	2.848436	1.240157
#1	-1.02463	-1.89543	445.5952	C.0000000	H1164076.	158.6146	H4085850.
#2	-1.53720	-1.86256	422.9696	C.0000000	H1132848.	153.5704	H4014159.
#3	-.185454	-1.96117	416.5222	C.0000000	H1116928.	149.8749	H3989686.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC PASS	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.176596	-4.42004	1.129026	3.650975	-.132502	-.576359	2.291722
SDEV	.077284	2.28585	.782702	.314075	1.020779	1.162073	1.873265
%RSD	43.76295	51.71571	69.32541	8.602492	770.3849	201.6229	81.74049
#1	-.099771	-6.98227	.8903526	3.742656	-.945531	-.857325	.2689153
#2	-.175688	-3.68788	2.003278	3.909008	-.465062	-1.57219	2.639567
#3	-.254330	-2.58996	.4934460	3.301261	1.013085	.7004364	3.966684
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.553211	.0538901	-.229511	-15.0827	6.662281	1.322863	2.056613
SDEV	.992334	1.873651	1.826139	5.7162	1.692037	2.919913	1.533728
%RSD	179.3770	3476.796	795.6636	37.89913	25.39727	220.7268	74.57546
#1	-1.69325	-1.44961	-.698080	-19.7770	8.584589	-1.23427	2.853514
#2	-.083034	2.152928	-1.77571	-16.7539	6.003677	4.504505	3.027846
#3	.1166461	-.541648	1.785255	-8.71712	5.398575	.6983545	.2884783
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	9.877558	-21.0375	3329.933
SDEV	1.465869	.3607	76.027
%RSD	14.84041	1.714442	2.283132
#1	8.808117	-21.4405	3243.933
#2	11.54850	-20.9269	3357.666
#3	9.276058	-20.7450	3388.200
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0051812-MS1 OPERATOR:
RUN TIME: 06/01/10 11:28:44
COMMENT: SDG:1005065 CLIENTID:SDZ-WN22S 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	57.45594	2676.770	1939.127	42.72071	370349.5	52.67215	444.6977
SDEV	.46018	.910	19.328	.74576	9387.2	.89667	9.2099
%RSD	.8009304	.0339935	.9967300	1.745670	2.534674	1.702352	2.071057
#1	57.62987	2676.631	1949.424	43.48935	379844.2	53.30405	454.4707
#2	57.80381	2675.938	1951.126	42.67265	370130.3	53.06650	443.4430
#3	56.93414	2677.742	1916.831	42.00015	361073.8	51.64589	436.1795
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	180.4744	241.9246	1244.407	C.0000000	H1098480.	594.8635	H4085026.
SDEV	4.4212	.6555	39.749	.0000000	24845.	14.4161	4647.
%RSD	2.449788	.2709620	3.194180	.0000000	2.261722	2.423435	.1137532
#1	185.4659	241.1686	1285.175	C.0000000	H1123165.	610.9036	H4089100.
#2	178.9066	242.3354	1242.283	C.0000000	H1098795.	590.6986	H4086012.
#3	177.0508	242.2697	1205.763	C.0000000	H1073479.	582.9884	H4079965.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC PASS	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	412.3366	36.93475	470.4185	432.6519	13.79411	11.41882	625.7684
SDEV	6.2067	.61797	8.6049	12.4799	1.57710	3.26230	7.6196
%RSD	1.505253	1.673127	1.829191	2.884523	11.43313	28.56954	1.217637
#1	417.1411	36.34114	479.6492	446.7363	13.13898	14.05185	633.7146
#2	414.5400	37.57448	468.9874	428.2502	15.59319	12.43532	625.0665
#3	405.3289	36.88862	462.6189	422.9693	12.65017	7.769279	618.5240
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	50.25030	11.79969	14.78461	-3.75779	18.99195	1049.272	1327.160
SDEV	3.76834	3.39155	1.63320	5.91118	2.28790	13.832	1.424
%RSD	7.499138	28.74267	11.04665	157.3046	12.04668	1.318213	.1072947
#1	52.07029	13.30628	13.05118	2.308515	19.91091	1065.240	1327.063
#2	52.76320	14.17694	16.29458	-4.08133	20.67749	1041.573	1328.630
#3	45.91743	7.915868	15.00807	-9.50055	16.38744	1041.004	1325.787
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	967.6163	944.4562	3200.844
SDEV	14.5740	11.8911	8.938
%RSD	1.506181	1.259043	.2792480
#1	982.8368	955.0646	3201.800
#2	966.2235	946.7015	3209.266
#3	953.7887	931.6025	3191.467
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0051812-MSD1 OPERATOR:
RUN TIME: 06/01/10 11:35:52
COMMENT: SDG:1005065 CLIENTID:SDZ-WN22SD 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	58.51114	2672.462	1924.779	44.13133	385287.7	53.86872	459.7984
SDEV	.77811	40.493	10.760	.15586	7322.0	.66158	5.9375
%RSD	1.329854	1.515187	.5590035	.3531628	1.900390	1.228125	1.291320
#1	57.66466	2715.703	1936.528	43.95483	377409.1	53.97915	453.0535
#2	58.67347	2666.247	1922.402	44.18912	386570.6	54.46814	462.1064
#3	59.19527	2635.436	1915.406	44.25003	391883.5	53.15888	464.2354
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	185.3470	245.9839	1292.077	C.0000000	H1135585.	613.9031	H4069987.
SDEV	3.7011	.7771	49.387	.0000000	14268.	9.2018	23394.
%RSD	1.996876	.3159254	3.822266	.0000000	1.256481	1.498907	.5747914
#1	181.0901	245.0964	1237.232	C.0000000	H1120622.	603.3239	H4094919.
#2	187.1473	246.5426	1305.969	C.0000000	H1137093.	620.0496	H4066525.
#3	187.8035	246.3126	1333.029	C.0000000	H1149039.	618.3359	H4048517.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC PASS	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	425.5654	35.47414	475.4320	456.4842	13.87850	12.58332	629.3897
SDEV	3.9631	3.53827	5.9148	8.2643	1.41885	.30713	3.4143
%RSD	.9312516	9.974229	1.244096	1.810420	10.22339	2.440768	.5424717
#1	421.7124	34.04383	468.9316	447.1794	12.43981	12.75381	633.2520
#2	425.3539	39.50366	476.8673	459.3028	15.27665	12.76740	628.1434
#3	429.6301	32.87493	480.4970	462.9706	13.91905	12.22877	626.7737
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	48.29237	17.01399	12.30941	1.865479	17.93051	1075.164	1327.945
SDEV	.04586	3.69303	2.11109	3.133597	2.02486	8.569	13.873
%RSD	.0949720	21.70587	17.15019	167.9781	11.29280	.7970234	1.044687
#1	48.31888	17.18828	10.06536	.1344508	19.05024	1084.742	1343.462
#2	48.31882	20.61679	12.60690	-.020748	19.14819	1068.224	1323.634
#3	48.23941	13.23689	14.25597	5.482736	15.59309	1072.527	1316.740
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	987.1318	940.9356	3283.578
SDEV	6.0823	9.2594	63.724
%RSD	.6161597	.9840649	1.940688
#1	987.0817	930.3647	3213.600
#2	981.0747	944.8318	3298.867
#3	993.2390	947.6101	3338.266
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: SDI1005065-01 OPERATOR:
RUN TIME: 06/01/10 11:43:00
COMMENT: SDG:1005065 CLIENTID:SDZ-WN22L 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.023191	50.64780	2.004046	1.572043	76847.30	1.877720	7.651128
SDEV	.281177	4.26141	.069904	.243342	1052.28	.320488	.460328
%RSD	1212.436	8.413811	3.488149	15.47938	1.369317	17.06792	6.016478
#1	.0231911	55.56843	2.049058	1.843584	75634.32	1.584576	7.130750
#2	.2319110	48.20032	2.039565	1.498843	77515.45	2.219899	8.005165
#3	-.324675	48.17465	1.923514	1.373703	77392.14	1.828685	7.817469
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.20986	-.602592	L-228.154	H119154.5	240636.6	30.31255	H1543206.
SDEV	1.28975	.536157	24.243	2589.4	1705.1	.47606	10507.
%RSD	106.6028	88.97502	10.62560	2.173135	.7085915	1.570491	.6808613
#1	-2.61443	-1.22162	L-254.772	H122136.2	238898.2	29.81793	H1555294.
#2	-.078804	-.284861	L-222.349	H117855.8	240705.2	30.35217	H1538059.
#3	-.936358	-.301295	L-207.340	H117471.4	242306.3	30.76757	H1536265.
ERRORS	LC PASS	LC PASS	LC LOW	LC HIGH	LC PASS	LC PASS	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3938359	-2.04291	-.021349	2.135660	-.546892	-.982366	-.160892
SDEV	.9725401	1.59173	.228679	1.123619	.901752	1.594383	2.369497
%RSD	246.9405	77.91496	1071.124	52.61225	164.8867	162.3003	1472.726
#1	-.676911	-2.11419	-.153294	.8444263	.0677753	-2.00733	-2.55386
#2	1.222400	-.416730	.2427060	2.671476	-1.58210	.8545569	2.184417
#3	.6360188	-3.59779	-.153460	2.891078	-.126355	-1.79432	-.113235
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.66334	-.096467	-.774660	-5.44801	1.244217	.2663946	.0348494
SDEV	2.38767	2.236406	1.229604	1.75071	1.947272	.5096617	1.722878
%RSD	89.64951	2318.305	158.7282	32.13478	156.5058	191.3183	4943.781
#1	-4.58668	2.476045	-1.13750	-4.88517	-.573523	-.307144	1.808229
#2	-3.41239	-1.18741	-1.78201	-4.04796	3.299269	.4389501	-.071038
#3	.0090456	-1.57803	.5955366	-7.41092	1.006905	.6673780	-1.63264
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.312722	-3.76360	4181.733
SDEV	.938918	.47598	71.420
%RSD	40.59798	12.64702	1.707898
#1	3.396866	-4.31290	4099.733
#2	1.777007	-3.50515	4215.133
#3	1.764291	-3.47275	4230.333
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0051812-PS1 OPERATOR:
RUN TIME: 06/01/10 11:50:08
COMMENT: SDG:1005065 CLIENTID:SDZ-WN22A 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	17.91512	580.9112	344.4636	9.981926	355305.0	15.90115	101.9608
SDEV	.08755	11.7806	3.9757	.207783	4063.0	.12226	2.4613
%RSD	.4886671	2.027960	1.154159	2.081596	1.143511	.7688655	2.413950
#1	18.00789	567.3156	340.0877	9.768196	358003.4	16.03825	102.6007
#2	17.83395	587.3184	347.8533	10.18320	357279.4	15.80344	104.0389
#3	17.90353	588.0996	345.4500	9.994378	350632.1	15.86176	99.24271
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	15.45531	39.31097	537.8331	C.0000000	H1060934.	169.0309	H4122152.
SDEV	.38546	.08107	16.1174	.0000000	12882.	2.7384	25311.
%RSD	2.494051	.2062195	2.996721	.0000000	1.214193	1.620068	.6140270
#1	15.49699	39.25618	553.7667	C.0000000	H1070638.	171.1933	H4094218.
#2	15.81824	39.27262	521.5381	C.0000000	H1065844.	169.9477	H4143563.
#3	15.05070	39.40409	538.1944	C.0000000	H1046319.	165.9518	H4128675.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC PASS	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	57.58043	10.36624	80.07867	31.76833	2.119623	9.435397	136.0034
SDEV	.30988	5.68515	.77034	.37219	2.230959	1.368832	2.9205
%RSD	.5381646	54.84294	.9619756	1.171565	105.2526	14.50741	2.147405
#1	57.74847	3.957289	80.96619	32.19739	4.017028	8.471139	132.8699
#2	57.22283	14.80155	79.68640	31.57514	2.679915	8.832927	138.6497
#3	57.76999	12.33987	79.58343	31.53246	-.338075	11.00213	136.4906
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	20.31192	-.829616	3.587572	-5.05072	16.66363	3.201167	-.863105
SDEV	1.86101	1.487886	4.071851	1.40333	1.38694	2.220523	2.809722
%RSD	9.162167	179.3465	113.4988	27.78478	8.323135	69.36605	325.5365
#1	18.34074	-2.32508	7.178926	-5.67561	15.53000	3.636989	-.257230
#2	20.55642	-.814349	4.419937	-6.03306	16.25079	5.171467	-3.92634
#3	22.03859	.6505791	-.836146	-3.44349	18.21012	.7950451	1.594251
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	10.27849	-20.1435	3063.044
SDEV	.44842	.1907	34.936
%RSD	4.362725	.9469287	1.140564
#1	10.79621	-20.0457	3103.333
#2	10.02749	-20.3634	3041.133
#3	10.01177	-20.0216	3044.666
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005065-02 OPERATOR:
RUN TIME: 06/01/10 11:57:16
COMMENT: SDG:1005065 CLIENTID:SDZ-WN19 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.197124	94.37579	14.97775	2.272918	433244.7	9.489675	35.06981
SDEV	.256416	10.99258	.08966	.271690	2215.5	.276112	.65338
%RSD	130.0785	11.64767	.5986356	11.95336	.5113780	2.909610	1.863091
#1	.0927644	102.4773	15.04896	2.511684	433832.9	9.624705	35.73832
#2	-.289889	98.78735	15.00723	2.329768	435106.8	9.672286	35.03842
#3	-.394249	81.86270	14.87706	1.977300	430794.4	9.172033	34.43268
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.733707	-2.28985	476.7537	C.0000000	H1154058.	-14.2420	H4106179.
SDEV	.229979	.17392	15.1983	.0000000	9954.	.1913	18883.
%RSD	31.34482	7.595450	3.187866	.0000000	.8625050	1.342876	.4598618
#1	-.602766	-2.09264	460.3909	C.0000000	H1155576.	-14.2992	H4118604.
#2	-.599100	-2.42133	490.4289	C.0000000	H1163166.	-14.3981	H4115483.
#3	-.999256	-2.35559	479.4412	C.0000000	H1143433.	-14.0286	H4084450.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC PASS	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.409418	-6.34747	1.898078	1.225481	-1.15897	.5580887	3.123174
SDEV	.694550	2.66135	.418390	.460776	1.08637	1.046678	2.574420
%RSD	49.27916	41.92766	22.04283	37.59961	93.73596	187.5469	82.42961
#1	2.007465	-7.39298	1.580317	1.334954	-.098904	-.565715	6.095263
#2	1.573164	-3.32213	1.741806	1.621661	-2.26986	1.505132	1.688601
#3	.6476268	-8.32731	2.372111	.7198270	-1.10814	.7348486	1.585656
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-4.07582	-1.03344	-1.22533	-10.4672	6.058795	4.761038	-.367104
SDEV	1.95327	.48068	1.52148	2.5109	.665149	1.804508	3.555199
%RSD	47.92336	46.51299	124.1688	23.98839	10.97824	37.90157	968.4438
#1	-3.02150	-1.05218	.3732863	-13.3638	5.820013	4.857805	2.216792
#2	-2.87625	-1.50448	-2.65568	-9.12869	6.810372	2.910093	1.103564
#3	L-6.32970	-.543658	-1.39360	-8.90918	5.545998	6.515215	-4.42167
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.062892	-22.5713	3291.222
SDEV	1.096149	.3379	42.895
%RSD	53.13655	1.496917	1.303315
#1	1.729691	-22.8054	3253.600
#2	3.286978	-22.7245	3282.133
#3	1.172006	-22.1839	3337.933
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV OPERATOR:
RUN TIME: 06/01/10 12:04:25
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	108.9750	47235.07	967.6594	1006.215	48051.24	1033.925	977.2410
SDEV	1.1310	522.17	4.4250	18.506	983.25	20.213	20.4115
%RSD	1.037824	1.105469	.4572901	1.839215	2.046257	1.954953	2.088690
#1	109.8098	47727.54	969.6758	1020.683	48738.01	1042.909	980.7345
#2	109.4272	47290.12	970.7170	1012.599	48490.83	1048.088	995.6802
#3	107.6878	46687.56	962.5853	985.3612	46924.89	1010.777	955.3081
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1029.335	1056.433	24224.46	52384.91	48973.79	978.0275	49846.74
SDEV	23.867	5.919	511.59	459.05	860.64	22.6387	531.89
%RSD	2.318727	.5602484	2.111863	.8763031	1.757349	2.314735	1.067048
#1	1035.072	1059.550	24337.62	52383.45	49096.91	985.5471	50149.00
#2	1049.810	1060.142	24669.98	52844.68	49766.24	995.9495	50158.62
#3	1003.121	1049.607	23665.76	51926.59	48058.22	952.5857	49232.59
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1021.921	1020.308	988.6379	1149.489	1015.729	1027.730	1028.504
SDEV	15.120	7.604	20.6525	29.075	16.536	16.020	10.227
%RSD	1.479526	.7452578	2.088986	2.529422	1.628040	1.558766	.9943735
#1	1031.386	1019.979	1001.588	1160.688	1020.323	1034.907	1031.333
#2	1029.894	1028.072	999.5053	1171.300	1029.483	1038.907	1037.018
#3	1004.484	1012.874	964.8208	1116.480	997.3818	1009.377	1017.160
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1029.666	1008.794	1019.189	1033.337	1024.929	1042.397	1012.809
SDEV	17.121	16.406	16.910	17.498	16.062	18.438	14.358
%RSD	1.662802	1.626327	1.659131	1.693313	1.567160	1.768759	1.417641
#1	1037.853	1009.114	1025.916	1034.455	1035.131	1049.656	1020.385
#2	1041.157	1025.039	1031.699	1050.249	1033.242	1056.101	1021.793
#3	1009.988	992.2306	999.9506	1015.307	1006.414	1021.435	996.2501
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1001.345	999.5121	4699.822
SDEV	13.342	13.2680	23.501
%RSD	1.332429	1.327447	.5000473
#1	1003.687	1011.064	4699.533
#2	1013.362	1002.451	4676.466
#3	986.9874	985.0211	4723.466
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB OPERATOR:
RUN TIME: 06/01/10 12:11:35
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1159555	86.11052	.3903096	1.802475	401.1611	-.090832	-.302317
SDEV	.3156461	7.66474	.0349048	.076689	1.2259	.217404	.231623
%RSD	272.2132	8.901047	8.942838	4.254653	.3055979	239.3471	76.61584
#1	-.220315	89.42903	.3550850	1.800007	400.9042	-.332711	-.424271
#2	.4058442	91.55682	.4248854	1.880369	400.0840	-.028078	-.447483
#3	.1623377	77.34572	.3909584	1.727050	402.4951	.0882928	-.035198
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.189878	-.591636	-4.61932	-1424.16	38.51262	.2912040	24.66169
SDEV	.728791	.247245	9.74561	4.38	1.31232	.0894970	61.25690
%RSD	383.8209	41.79002	210.9750	.3077460	3.407497	30.73343	248.3888
#1	.5376199	-.334164	5.078942	-1428.80	37.63066	.1977140	-45.4088
#2	-.919955	-.827196	-14.4116	-1423.60	37.88647	.2998120	51.33039
#3	-.187298	-.613549	-4.52531	-1420.09	40.02074	.3760859	68.06351
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1853996	-.297656	.4371885	.5048985	.6630951	-.419101	-1.93173
SDEV	.9551005	1.191498	.3032399	.4636195	1.369327	.112577	.82492
%RSD	515.1577	400.2937	69.36137	91.82430	206.5054	26.86146	42.70347
#1	.5493856	.8647453	.1483083	1.025202	-.910165	-.476462	-2.25425
#2	-.898177	-1.51626	.4102646	.1356295	1.312990	-.491445	-2.54666
#3	.9049900	-.241451	.7529927	.3538645	1.586460	-.289397	-.994281
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-4.69380	1.927089	.0292872	-2.93687	.8351387	-.889403	1.639450
SDEV	3.19152	3.114783	.4979225	4.14872	2.000696	.456370	2.124565
%RSD	67.99444	161.6315	1700.136	141.2633	239.5645	51.31198	129.5901
#1	-5.43384	-1.65203	-.542551	-7.72709	3.140651	-.807887	-.565594
#2	-7.45029	3.409581	.2634614	-.589952	-.445071	-1.38104	3.673160
#3	-1.19727	4.023717	.3669513	-.493583	-.190164	-.479284	1.810783
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.127047	.1057585	4379.800
SDEV	.461575	.1649342	77.911
%RSD	40.95435	155.9535	1.778881
#1	1.645694	.2573870	4370.200
#2	.9740515	-.069855	4307.133
#3	.7613967	.1297435	4462.066
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005065-03 OPERATOR:
RUN TIME: 06/01/10 12:18:43
COMMENT: SDG:1005065 CLIENTID:SDZ-WN19D 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.104360	90.17084	13.91785	2.102560	415250.9	9.236299	33.45409
SDEV	.053137	6.11993	.04596	.186291	6255.2	.208659	.33987
%RSD	50.91751	6.787039	.3301942	8.860177	1.506376	2.259122	1.015933
#1	-.150742	92.43838	13.97002	2.254373	413068.0	9.029525	33.77843
#2	-.046382	94.83337	13.88335	2.158634	410379.6	9.446794	33.48327
#3	-.115955	83.24075	13.90019	1.894673	422305.1	9.232580	33.10057
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1341175	-2.15290	433.8561	C.0000000	H1096349.	-13.7018	H3994729.
SDEV	.5170106	.18690	20.3780	.0000000	11319.	.3177	3543.
%RSD	385.4908	8.681299	4.696941	.0000000	1.032420	2.318871	.0887030
#1	.5002357	-2.20768	427.8231	C.0000000	H1083388.	-13.3367	H3990650.
#2	-.457314	-2.30629	417.1758	C.0000000	H1101368.	-13.8534	H3997051.
#3	.3594307	-1.94473	456.5694	C.0000000	H1104290.	-13.9154	H3996486.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC PASS	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.223939	-6.94783	1.971854	1.403072	-1.65667	.5378417	4.236527
SDEV	1.165065	1.29252	.200927	.606039	2.25388	1.221646	.314431
%RSD	95.18982	18.60317	10.18977	43.19370	136.0488	227.1386	7.421904
#1	1.637301	-5.90966	2.203859	1.604591	.4592200	1.254531	4.032143
#2	2.125963	-8.39549	1.857335	.7219459	-1.40228	-.872732	4.598598
#3	-.091447	-6.53834	1.854368	1.882680	L-4.02695	1.231726	4.078841
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-3.91580	-3.80665	-.587232	-11.1346	6.361663	.8021463	-.816033
SDEV	2.63171	3.19343	3.321786	6.4023	2.523563	3.146364	1.502289
%RSD	67.20751	83.89075	565.6682	57.49927	39.66830	392.2432	184.0967
#1	-4.35305	-.926003	1.147139	-13.8441	8.788883	-2.75632	-1.83264
#2	-1.09285	-7.24057	1.508390	-15.7366	6.544415	3.215876	-1.52500
#3	L-6.30150	-3.25339	-4.41723	-3.82303	3.751692	1.946885	.9095438
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.015982	-20.9617	3334.111
SDEV	.856166	.1630	15.367
%RSD	84.26981	.7776873	.4608998
#1	.2443826	-20.8148	3321.800
#2	.8665277	-20.9333	3329.200
#3	1.937034	-21.1371	3351.333
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005065-04 OPERATOR:
RUN TIME: 06/01/10 12:25:52
COMMENT: SDG:1005065 CLIENTID:SDZ-WN16 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.452226	113.7369	11.28110	2.918478	353789.4	9.205680	31.14736
SDEV	.020084	10.1729	.11006	.377969	5766.7	.350535	.46597
%RSD	4.441155	8.944195	.9756333	12.95090	1.629977	3.807812	1.496019
#1	-.463822	105.3336	11.17635	2.761522	357896.3	9.434106	31.01710
#2	-.463822	110.8306	11.27117	2.644275	356275.2	8.802087	30.76037
#3	-.429035	125.0467	11.39580	3.349638	347196.7	9.380848	31.66459
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1926521	-2.48706	1677.237	C.0000000	H1018054.	-11.8725	H3972859.
SDEV	.3278842	.11504	27.338	.0000000	12371.	.1503	26767.
%RSD	170.1950	4.625552	1.629935	.0000000	1.215115	1.265589	.6737463
#1	-.185919	-2.53637	1695.957	C.0000000	H1027853.	-11.7054	H3943883.
#2	.3773794	-2.35559	1689.889	C.0000000	H1022155.	-11.9966	H3978032.
#3	.3864962	-2.56924	1645.865	C.0000000	H1004154.	-11.9154	H3996662.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC PASS	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.307337	-2.65415	-.015242	3.765914	.3860008	1.066049	5.844616
SDEV	.397684	4.57217	.203870	.336207	1.912446	1.990590	.776869
%RSD	30.41939	172.2648	1337.593	8.927638	495.4514	186.7259	13.29204
#1	1.152110	-7.93315	-.126072	3.714893	1.493762	1.439205	6.280158
#2	1.759224	-.076625	.2200364	3.458133	-1.82230	2.843653	4.947690
#3	1.010676	.0473226	-.139689	4.124715	1.486538	-1.08471	6.306001
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0844076	-5.81653	3.478851	-12.8213	7.995558	-.239066	-.169509
SDEV	1.418754	1.03346	2.737262	4.4386	.931269	3.919025	1.067004
%RSD	1680.837	17.76763	78.68294	34.61852	11.64733	1639.305	629.4680
#1	1.715944	-4.64304	4.553851	-10.9776	7.634587	-3.80334	-.446188
#2	-.603178	-6.21554	.3672714	-9.60177	9.053276	-.871620	-1.07092
#3	-.859543	-6.59099	5.515429	-17.8846	7.298811	3.957760	1.008583
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	7.364047	-19.0771	3225.422
SDEV	.759701	.0339	45.672
%RSD	10.31635	.1779296	1.415997
#1	6.492530	-19.0956	3269.200
#2	7.886344	-19.0978	3229.000
#3	7.713265	-19.0379	3178.066
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005065-05 OPERATOR:
RUN TIME: 06/01/10 12:33:00
COMMENT: SDG:1005065 CLIENTID:SDZ-WN20 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.139147	96.94180	9.151360	2.559451	357587.5	8.902208	31.59654
SDEV	.087544	8.34106	.104752	.238744	2486.4	.512471	.62476
%RSD	62.91529	8.604191	1.144666	9.327929	.6953149	5.756673	1.977309
#1	-.046382	106.4430	9.143419	2.832160	356151.4	9.371143	32.04671
#2	-.150742	93.55794	9.259857	2.458038	360458.5	8.980312	31.85964
#3	-.220315	90.82443	9.050804	2.388155	356152.6	8.355168	30.88325
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.641094	-1.95569	345.1934	C.0000000	H1059752.	29.70400	H3949700.
SDEV	.085220	.07767	2.6720	.0000000	1668.	.35814	18710.
%RSD	13.29282	3.971266	.7740645	.0000000	.1573857	1.205694	.4737194
#1	-.739452	-1.89543	343.0381	C.0000000	H1060514.	30.06722	H3964630.
#2	-.594504	-1.92830	348.1831	C.0000000	H1060902.	29.35116	H3955760.
#3	-.589327	-2.04334	344.3591	C.0000000	H1057839.	29.69361	H3928711.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC PASS	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.023220	-8.01700	1.276411	1.993817	-1.65617	2.458841	2.774568
SDEV	1.021422	2.95629	.326057	.602480	1.40661	.738721	1.474051
%RSD	99.82430	36.87530	25.54482	30.21740	84.93175	30.04345	53.12724
#1	.9007764	-4.73412	1.017281	2.217779	-.036391	1.887795	3.510496
#2	.0685388	L-10.4688	1.169434	1.311430	-2.36213	3.293124	3.735753
#3	2.100345	-8.84808	1.642517	2.452241	-2.56998	2.195604	1.077456
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.71286	-.009984	-2.48168	-9.98877	8.669658	3.334061	1.792554
SDEV	2.28329	1.618016	2.13348	3.09194	1.964560	1.341312	.771960
%RSD	133.3025	16206.71	85.96912	30.95413	22.66017	40.23059	43.06481
#1	.4271760	.4258810	-.270884	-7.16903	6.405714	2.736701	2.037270
#2	-4.11651	-1.80129	-2.64580	-9.50209	9.677482	2.395207	.9278971
#3	-1.44924	1.345454	-4.52836	-13.2952	9.925777	4.870274	2.412495
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	10.65157	-19.6223	3320.089
SDEV	.24778	.1414	44.580
%RSD	2.326222	.7207537	1.342745
#1	10.44457	-19.7714	3277.133
#2	10.92612	-19.6055	3317.000
#3	10.58401	-19.4901	3366.133
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005065-06 OPERATOR:
RUN TIME: 06/01/10 12:40:08
COMMENT: SDG:1005065 CLIENTID:SDZ-WN20D 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.324675	86.67120	9.228588	2.337297	352114.4	8.342429	30.96206
SDEV	.180757	10.51705	.092874	.237123	1646.7	.219649	.56642
%RSD	55.67307	12.13443	1.006373	10.14517	.4676571	2.632909	1.829407
#1	-.220315	98.04127	9.207952	2.519692	350750.2	8.093271	31.58264
#2	-.220315	77.29163	9.330045	2.422949	351649.3	8.425952	30.83066
#3	-.533395	84.68070	9.147768	2.069249	353943.6	8.508065	30.47289
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.25421	-1.65439	322.1334	C.0000000	H1040362.	31.33750	H3963510.
SDEV	1.28725	.50315	44.2105	.0000000	7014.	.26561	19928.
%RSD	102.6338	30.41316	13.72428	.0000000	.6742243	.8475753	.5027979
#1	-1.85649	-1.27092	336.5511	C.0000000	H1034061.	31.62113	H3974242.
#2	-2.12991	-2.22412	272.5139	C.0000000	H1039105.	31.09463	H3975772.
#3	.2237644	-1.46813	357.3352	C.0000000	H1047920.	31.29675	H3940515.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC PASS	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.499498	-2.69750	.4406017	19.60796	-.016834	.6878120	2.202911
SDEV	1.977788	1.91541	.6589845	.87055	3.971472	1.454332	1.979303
%RSD	395.9553	71.00708	149.5647	4.439775	23591.66	211.4432	89.84944
#1	.0659631	-.526584	1.193888	19.87390	L-3.01050	.8605272	3.332102
#2	-2.69843	-3.41667	-.029208	18.63546	4.488496	2.048074	-.082538
#3	1.133975	-4.14924	.1571250	20.31453	-1.52849	-.845165	3.359168
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-3.57180	-3.05894	1.498093	-13.0385	7.537005	3.338832	-.490955
SDEV	2.34822	5.10868	3.641698	6.6730	1.790939	1.326426	2.799488
%RSD	65.74349	167.0083	243.0888	51.17897	23.76194	39.72726	570.2127
#1	-2.60430	-5.23318	-1.90456	-8.57565	5.567819	1.814425	2.678256
#2	L-6.24920	2.777196	5.339147	-9.83024	7.974613	4.229657	-2.62711
#3	-1.86189	-6.72084	1.059691	-20.7097	9.068582	3.972415	-1.52401
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	10.26116	-19.4768	3286.266
SDEV	1.12491	.4941	41.023
%RSD	10.96278	2.536889	1.248323
#1	10.67230	-19.1980	3259.200
#2	11.12265	-20.0473	3266.133
#3	8.988512	-19.1851	3333.467
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005065-07 OPERATOR:
RUN TIME: 06/01/10 12:47:17
COMMENT: SDG:1005065 CLIENTID:SDZ-WN21 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.150742	112.3798	10.68710	3.147980	341385.8	8.939507	31.50115
SDEV	.382653	5.8223	.07617	.183651	2987.3	.159536	.58597
%RSD	253.8462	5.180928	.7127459	5.833924	.8750630	1.784621	1.860148
#1	-.533395	115.1300	10.68084	3.176382	338366.5	8.853874	31.93084
#2	-.150742	116.3175	10.76621	3.315775	341450.6	8.841073	31.73895
#3	.2319110	105.6918	10.61425	2.951783	344340.2	9.123576	30.83367
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.27991	-2.28437	851.9506	C.0000000	H1016078.	-6.65027	H3989244.
SDEV	.68018	.27809	17.1588	.0000000	11056.	.20031	22324.
%RSD	53.14283	12.17366	2.014063	.0000000	1.088112	3.012035	.5596144
#1	-1.05127	-1.97760	865.2807	C.0000000	H1005096.	-6.51787	H4000968.
#2	-2.04495	-2.51993	832.5908	C.0000000	H1015932.	-6.55224	H4003265.
#3	-.743510	-2.35559	857.9804	C.0000000	H1027207.	-6.88072	H3963501.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC PASS	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.047005	-5.20185	1.317214	15.59444	-2.99700	-.109561	2.119946
SDEV	1.113636	3.23810	1.066304	.40751	2.25405	1.952797	2.849433
%RSD	2369.189	62.24899	80.95144	2.613159	75.21018	1782.376	134.4107
#1	1.188992	-8.85349	.1637208	15.59605	L-5.59488	.0283390	5.372158
#2	-.972282	-2.68003	2.266913	15.18613	-1.56017	1.770630	.0618616
#3	-.357725	-4.07202	1.521008	16.00114	-1.83596	-2.12765	.9258174
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.066441	-.144670	-4.42499	-9.06481	4.357547	3.104393	.3418059
SDEV	2.584834	4.057884	1.87995	5.93255	2.521796	1.664778	1.742919
%RSD	125.0863	2804.923	42.48488	65.44599	57.87191	53.62652	509.9147
#1	4.547035	-4.10144	-6.34434	-14.0907	7.073430	2.116474	-1.23618
#2	-.611338	4.007284	-4.34355	-2.52068	3.909242	5.026463	.0490171
#3	2.263625	-.339854	-2.58708	-10.5830	2.089969	2.170243	2.212576
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	10.71395	-19.2396	3193.644
SDEV	.48728	.3232	55.107
%RSD	4.548099	1.679747	1.725527
#1	10.76419	-18.8781	3152.000
#2	11.17416	-19.3401	3172.800
#3	10.20349	-19.5006	3256.133
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005065-08 OPERATOR:
RUN TIME: 06/01/10 12:54:25
COMMENT: SDG:1005065 CLIENTID:SDZ-SW01 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1159555	79.40797	6.919978	2.127331	346562.0	8.217229	30.21617
SDEV	.1568617	24.95657	.401274	.592971	19050.3	1.001572	3.20293
%RSD	135.2775	31.42829	5.798769	27.87392	5.496940	12.18868	10.60005
#1	.2666976	93.74667	7.265536	2.650696	356617.4	8.863951	31.97621
#2	-.046382	50.59072	6.479874	1.483312	324590.8	7.063531	26.51915
#3	.1275510	93.88654	7.014524	2.247984	358477.8	8.724205	32.15314
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.301992	-2.26794	347.8717	C.0000000	H1028587.	L-26.4793	H3891276.
SDEV	.592053	.28099	43.5643	.0000000	60971.	1.4784	107636.
%RSD	196.0492	12.38969	12.52309	.0000000	5.927628	5.583160	2.766073
#1	-.183353	-2.40489	360.2408	C.0000000	H1059602.	L-27.3977	H3965884.
#2	-.944382	-1.94473	299.4604	C.0000000	H958343.9	L-24.7739	H3767887.
#3	.2217581	-2.45420	383.9139	C.0000000	H1067815.	L-27.2663	H3940057.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC LOW	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.123392	-3.73331	1.854943	5.291459	.1430099	.3204494	3.487081
SDEV	.903959	4.13871	.865450	.745113	1.042403	1.344298	3.324841
%RSD	732.5924	110.8591	46.65643	14.08143	728.9028	419.5041	95.34740
#1	-.014338	-4.92713	2.196042	5.444299	.7228414	.4327985	.0780664
#2	-1.07693	.8710974	.8709175	4.481777	-1.06039	1.605047	3.662362
#3	.7210937	-7.14390	2.497868	5.948302	.7665770	-1.07650	6.720814
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.45743	-.548040	.4843083	-12.2971	6.616214	3.284306	1.631881
SDEV	1.67588	2.720359	1.731546	3.6393	2.333372	2.062142	1.190219
%RSD	68.19624	496.3800	357.5297	29.59443	35.26748	62.78777	72.93540
#1	-4.29147	2.533956	-.185030	-16.2623	8.764170	5.053034	2.935822
#2	-2.07501	-1.56336	-.812660	-9.10949	6.950901	3.780569	1.355978
#3	-1.00582	-2.61471	2.450615	-11.5195	4.133570	1.019315	.6038446
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	10.25519	-19.0721	3415.089
SDEV	.88539	.9339	149.458
%RSD	8.633572	4.896744	4.376392
#1	9.551956	-19.7489	3305.467
#2	9.964153	-18.0067	3585.333
#3	11.24947	-19.4609	3354.467
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005065-09 OPERATOR:
RUN TIME: 06/01/10 13:01:34
COMMENT: SDG:1005065 CLIENTID:SDZ-SW01D 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0115955	132.1390	8.058888	3.686040	358935.6	9.058476	34.35691
SDEV	.3501779	20.0580	.349550	.493391	15718.7	.846966	3.19008
%RSD	3019.933	15.17946	4.337449	13.38538	4.379259	9.349978	9.285115
#1	-.359462	154.8107	8.428580	4.205432	376939.1	10.02945	37.90196
#2	.0579777	116.7023	7.733753	3.223592	347937.9	8.471727	31.71774
#3	.3362709	124.9039	8.014332	3.629097	351929.9	8.674249	33.45104
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.810448	-2.40489	369.2524	C.0000000	H1090134.	L-28.0505	H4146775.
SDEV	1.198602	.15677	46.1407	.0000000	50132.	1.2880	82991.
%RSD	147.8938	6.518940	12.49571	.0000000	4.598669	4.591555	2.001330
#1	.4382678	-2.30629	420.0381	C.0000000	H1147539.	L-29.4483	H4240875.
#2	-.917911	-2.32272	357.8086	C.0000000	H1054976.	L-26.9118	H4084030.
#3	-1.95170	-2.58567	329.9105	C.0000000	H1067888.	L-27.7914	H4115421.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC LOW	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6028282	-3.00357	1.392601	4.848248	-.567586	2.044600	6.616794
SDEV	1.058659	.86158	.271627	.813408	2.221458	3.088501	2.769143
%RSD	175.6154	28.68509	19.50503	16.77737	391.3872	151.0565	41.85022
#1	.6274076	-2.26466	1.417949	5.134779	1.163926	5.369976	9.799127
#2	1.648983	-2.79611	1.650665	5.479616	L-3.07233	-.733993	4.755961
#3	-.467907	-3.94993	1.109188	3.930347	.2056445	1.497817	5.295292
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-3.59900	.9477741	-1.32813	-12.3499	9.227050	4.417312	1.018795
SDEV	4.63517	3.082441	1.81676	3.9918	3.976826	1.029513	2.760891
%RSD	128.7905	325.2295	136.7904	32.32277	43.09965	23.30632	270.9957
#1	L-6.44032	2.979684	.2532598	-11.5377	13.80697	4.597398	-.565370
#2	1.749763	-2.59898	-3.31256	-16.6854	7.225815	5.344900	-.585022
#3	L-6.10645	2.462619	-.925090	-8.82663	6.648360	3.309638	4.206777
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	11.02073	-20.9813	3036.822
SDEV	.20112	.4842	94.680
%RSD	1.824885	2.307819	3.117729
#1	11.20346	-21.2990	2928.066
#2	10.80525	-20.4240	3100.867
#3	11.05348	-21.2210	3081.533
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005065-10 OPERATOR:
RUN TIME: 06/01/10 13:08:42
COMMENT: SDG:1005065 CLIENTID:SDZ-SW04 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.046382	101.0057	7.495453	2.892930	368371.1	9.387856	33.13825
SDEV	.180757	15.2619	.123463	.330050	1701.9	.385489	.66463
%RSD	389.7114	15.10998	1.647178	11.40884	.4620052	4.106251	2.005627
#1	.1623377	117.7446	7.610263	3.265453	366811.9	9.828782	33.87114
#2	-.150742	97.40947	7.511241	2.776327	368114.8	9.114574	32.96902
#3	-.150742	87.86304	7.364855	2.637009	370186.6	9.220211	32.57460
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.618535	-2.34463	398.3537	C.0000000	H1106864.	L-28.9281	H4096198.
SDEV	.757001	.08107	18.8234	.0000000	5235.	.2016	30494.
%RSD	122.3862	3.457635	4.725310	.0000000	.4729618	.6970270	.7444497
#1	-1.19733	-2.28985	379.0965	C.0000000	H1112572.	L-29.1528	H4128850.
#2	-.896407	-2.30629	399.2534	C.0000000	H1102286.	L-28.7629	H4091283.
#3	.2381344	-2.43776	416.7111	C.0000000	H1105734.	L-28.8688	H4068459.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC LOW	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1502296	-5.71549	1.371664	.7517028	-.570986	1.132035	4.804892
SDEV	.3922844	3.45202	.573104	.5324308	1.480654	2.397008	1.770850
%RSD	261.1233	60.39765	41.78164	70.82996	259.3153	211.7433	36.85515
#1	.2387511	-7.26147	1.808640	1.066962	.3112594	-1.46709	4.382185
#2	-.278752	-8.12432	.7227845	1.051174	.2561850	1.607535	3.283646
#3	.4906895	-1.76069	1.583567	.1369722	-2.28040	3.255655	6.748843
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.933955	-.382451	-.669080	-13.6470	8.506645	3.435795	2.154989
SDEV	2.233317	4.309773	.560924	2.8947	2.249278	.987907	1.971188
%RSD	239.1246	1126.883	83.83523	21.21149	26.44142	28.75338	91.47092
#1	-.307152	3.179687	-1.12467	-16.9839	6.275824	2.336126	.0596082
#2	.9189862	.8460522	-.042582	-12.1460	8.470178	3.722941	2.432862
#3	-3.41370	-5.17309	-.839986	-11.8110	10.77393	4.248320	3.972496
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	10.56986	-21.0131	3188.266
SDEV	1.16958	.4936	45.303
%RSD	11.06527	2.348915	1.420921
#1	10.81900	-21.4530	3140.000
#2	9.295780	-21.1071	3194.933
#3	11.59480	-20.4793	3229.867
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005065-11 OPERATOR:
RUN TIME: 06/01/10 13:15:50
COMMENT: SDG:1005065 CLIENTID:SDZ-SW05 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.104360	124.5644	8.769728	3.337747	368380.0	9.330550	34.15671
SDEV	.140589	14.2374	.114865	.343911	2250.7	.303565	.57550
%RSD	134.7151	11.42976	1.309786	10.30369	.6109620	3.253447	1.684869
#1	-.255102	110.5367	8.639567	3.061167	368518.7	8.982411	33.85482
#2	-.081169	124.1538	8.856890	3.229254	370558.1	9.539987	33.79498
#3	.0231911	139.0027	8.812726	3.722821	366063.2	9.469254	34.82034
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3566947	-2.26246	422.6198	C.0000000	H1114819.	L-25.4575	H4167748.
SDEV	.5204321	.12552	31.1132	.0000000	9712.	.0664	32821.
%RSD	145.9041	5.547925	7.361973	.0000000	.8711768	.2608885	.7874892
#1	.3989947	-2.12551	400.4409	C.0000000	H1107137.	L-25.5210	H4135200.
#2	.8546858	-2.28985	458.1858	C.0000000	H1125735.	L-25.3885	H4167209.
#3	-.183596	-2.37202	409.2328	C.0000000	H1111584.	L-25.4630	H4200834.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC LOW	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.195629	-6.06815	1.698783	.8760983	-.809007	1.757013	6.696056
SDEV	.964229	2.07294	.155036	.4717525	1.527259	.583411	1.889724
%RSD	80.64616	34.16100	9.126292	53.84698	188.7820	33.20472	28.22145
#1	.7682549	-4.44866	1.830917	1.386538	-.407353	1.490349	5.025352
#2	2.299683	-8.40433	1.528114	.4561389	-2.49695	2.426103	8.746981
#3	.5189510	-5.35145	1.737319	.7856184	.4772862	1.354587	6.315836
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-4.05811	-5.79309	1.675333	-14.0731	9.656262	2.693178	.7622217
SDEV	1.22671	2.56162	2.197649	2.7475	.874843	1.306507	1.029631
%RSD	30.22871	44.21849	131.1768	19.52331	9.059854	48.51172	135.0828
#1	L-5.46536	-2.85923	.8128560	-16.8661	10.65095	1.403667	-.260946
#2	-3.21462	-7.58592	.0397486	-11.3734	9.311562	2.659824	.7494146
#3	-3.49435	-6.93413	4.173396	-13.9799	9.006276	4.016042	1.798196
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	9.767495	-21.4423	3062.844
SDEV	.628906	.1402	58.670
%RSD	6.438764	.6539300	1.915535
#1	10.39104	-21.3013	3121.867
#2	9.778091	-21.4439	3062.133
#3	9.133358	-21.5817	3004.533
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: IBL OPERATOR:
RUN TIME: 06/01/10 13:22:59
COMMENT: SDG: CLIENTID: 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.069573	38.79225	.0507544	1.141038	372.2095	.0060560	-.123680
SDEV	.368695	.83445	.0737642	.061562	1.4370	.1100523	.206130
%RSD	529.9371	2.151068	145.3354	5.395296	.3860723	1817.232	166.6634
#1	.2666976	38.87709	.1331792	1.198653	373.8143	.1112046	.1115784
#2	-.463822	39.58104	.0281368	1.148290	371.0417	-.108319	-.210013
#3	-.011596	37.91863	-.009053	1.076171	371.7726	.0152826	-.272606
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0772919	-.958670	-10.5842	L-1425.97	12.60552	.1209650	113.1529
SDEV	.5459081	.227721	4.2372	6.13	3.22106	.1044204	49.6672
%RSD	706.2938	23.75384	40.03321	.4295702	25.55275	86.32279	43.89387
#1	.6066083	-.695721	-8.17254	L-1419.36	12.97419	.0003908	158.3863
#2	.1090858	-1.09015	-8.10338	L-1431.46	9.215990	.1811681	60.00289
#3	-.483818	-1.09015	-15.4768	L-1427.09	15.62638	.1813362	121.0694
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.7271049	-2.95295	-.011986	2.401129	.3852559	-2.52806	-.745183
SDEV	.6847632	1.31461	.245985	.647243	.8109832	1.09834	1.909599
%RSD	94.17667	44.51845	2052.200	26.95577	210.5051	43.44603	256.2591
#1	.0525166	-4.18534	.2356718	2.266521	1.204090	-1.74734	1.182390
#2	.7071897	-1.56922	-.256264	1.831774	-.417642	-3.78399	-2.63629
#3	1.421608	-3.10428	-.015367	3.105091	.3693202	-2.05284	-.781653
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.61722	-1.92586	1.536437	-9.08642	.7435624	.5830867	-.137566
SDEV	.82975	1.69330	.681953	1.71896	2.148539	.6786656	.585616
%RSD	31.70343	87.92418	44.38537	18.91795	288.9521	116.3919	425.6984
#1	-2.89764	.0251421	1.790028	-11.0158	2.877290	.5853501	-.357448
#2	-3.27043	-2.78980	.7640190	-8.52537	-1.41949	1.260618	-.581417
#3	-1.68360	-3.01292	2.055265	-7.71807	.7728847	-.096708	.5261664
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.924756	-.067025	4570.511
SDEV	.130185	.101622	12.247
%RSD	14.07776	151.6171	.2679515
#1	-.997959	.0468701	4556.600
#2	-1.00186	-.148424	4579.667
#3	-.774449	-.099522	4575.267
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV OPERATOR:
RUN TIME: 06/01/10 13:30:08
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	105.0905	47024.71	957.9305	975.5940	46118.68	1002.658	946.8699
SDEV	1.1581	441.74	3.0166	15.1771	1020.36	15.517	16.8440
%RSD	1.102007	.9393801	.3149033	1.555681	2.212465	1.547580	1.778916
#1	106.3660	47382.85	955.1989	991.2842	47175.89	1020.014	966.2872
#2	104.1048	47160.19	961.1680	974.5095	46040.47	997.8326	938.1353
#3	104.8006	46531.10	957.4245	960.9882	45139.67	990.1263	936.1873
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	978.1918	1036.624	23504.30	54296.98	48037.36	938.2438	50150.05
SDEV	19.4450	6.231	312.42	273.86	401.19	17.8027	218.63
%RSD	1.987850	.6011167	1.329200	.5043703	.8351563	1.897449	.4359536
#1	999.6696	1043.559	23847.18	54018.25	48467.18	958.5508	50185.34
#2	973.1220	1034.816	23429.95	54565.69	47972.08	930.8575	50348.89
#3	961.7839	1031.496	23235.76	54306.98	47672.82	925.3232	49915.92
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	996.8096	1018.482	952.5039	1103.849	983.5714	1030.235	1017.137
SDEV	10.9646	6.042	10.2089	21.688	15.5211	4.652	2.234
%RSD	1.099968	.5931921	1.071791	1.964736	1.578031	.4515362	.2196215
#1	1006.390	1024.196	964.2696	1128.759	999.0563	1033.480	1018.270
#2	999.1877	1012.159	947.2494	1093.623	983.6434	1032.320	1018.577
#3	984.8511	1019.092	945.9925	1089.165	968.0144	1024.905	1014.564
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1028.289	980.6361	985.0337	1057.863	1016.439	1029.850	1010.377
SDEV	7.344	6.3120	25.2548	11.545	12.737	12.914	5.292
%RSD	.7141819	.6436662	2.563851	1.091369	1.253078	1.254012	.5237165
#1	1035.755	979.8922	1008.621	1049.490	1025.485	1043.625	1008.987
#2	1028.038	974.7291	988.0908	1053.066	1021.959	1027.910	1016.224
#3	1021.074	987.2872	958.3895	1071.033	1001.874	1018.016	1005.919
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	976.9622	973.9300	4557.267
SDEV	7.0644	16.0910	26.590
%RSD	.7231020	1.652170	.5834618
#1	982.3027	985.7076	4584.800
#2	979.6319	980.4865	4531.733
#3	968.9520	955.5959	4555.267
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB OPERATOR:
RUN TIME: 06/01/10 13:37:17
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2203154	86.51256	.3804132	1.836569	404.8674	.1559668	.1332591
SDEV	.1915899	3.03731	.0767110	.113578	.5448	.2628747	.7149777
%RSD	86.96164	3.510833	20.16518	6.184222	.1345653	168.5453	536.5320
#1	.4058442	89.82072	.4689785	1.965876	405.3525	.3677340	.6704550
#2	.0231911	83.84985	.3348203	1.752950	404.2779	-.138249	-.678256
#3	.2319110	85.86710	.3374408	1.790882	404.9716	.2384157	.4075778
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1473566	-.810761	4.229212	-1419.04	47.25161	.3069767	38.55257
SDEV	.1180088	.134521	5.362491	4.78	4.60572	.0481699	47.52587
%RSD	80.08382	16.59195	126.7965	.3365319	9.747234	15.69170	123.2755
#1	.2178068	-.958670	1.110475	-1413.67	52.56548	.2821159	92.98445
#2	.0111184	-.777892	1.155932	-1420.60	44.78109	.3624977	17.38528
#3	.2131446	-.695721	10.42123	-1422.83	44.40825	.2763167	5.287965
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2518910	-.061250	.2452255	.6374223	-.351989	-.533890	-.602714
SDEV	.9893798	5.711430	.2127873	.1235749	1.292277	.177580	.711530
%RSD	392.7809	9324.775	86.77209	19.38666	367.1361	33.26164	118.0543
#1	.5398197	1.188011	.3795734	.5712675	-1.82200	-.591547	-.593215
#2	1.065368	4.922144	.3562127	.5610080	.6050231	-.334645	.1040187
#3	-.849515	-6.29391	-.000110	.7799913	.1610080	-.675477	-1.31895
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-3.92425	.7487268	-.904193	-3.73777	1.062975	-2.01464	.2850974
SDEV	1.16154	.6697720	1.716658	1.56242	.998797	1.39050	.8527664
%RSD	29.59897	89.45480	189.8552	41.80101	93.96249	69.01990	299.1140
#1	-2.67389	.3022130	-2.88521	-4.46168	1.337913	-1.71779	1.127647
#2	-4.12917	1.518851	.1461526	-4.80694	1.895507	-.796533	.3051773
#3	-4.96969	.4251165	.0264825	-1.94468	-.044496	-3.52960	-.577532
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.5015638	.1736316	4522.222
SDEV	.4238707	.0351334	52.674
%RSD	84.50982	20.23448	1.164787
#1	.9908549	.2007915	4467.466
#2	.2463357	.1861500	4572.533
#3	.2675008	.1339535	4526.667
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005065-01 OPERATOR:
RUN TIME: 06/01/10 13:46:27
COMMENT: SDG:1005065 CLIENTID:SDZ-WN22 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.417440	40.43220	.5964548	1.078395	26221.49	.8005223	3.849298
SDEV	1.033306	3.38033	.0700249	.127567	573.31	.5570314	1.011252
%RSD	247.5341	8.360493	11.74019	11.82936	2.186426	69.58350	26.27107
#1	-.081169	44.08534	.6210836	1.217734	26581.20	.9625729	4.743821
#2	.4058442	37.41502	.6508378	1.050103	26522.92	1.258560	4.052037
#3	-1.57699	39.79623	.5174429	.9673493	25560.34	.1804342	2.752035
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1529741	-.547811	L-245.099	35784.75	83062.58	10.62338	660168.2
SDEV	.7144844	.260887	22.720	482.99	1359.70	.02421	2204.7
%RSD	467.0625	47.62353	9.269885	1.349716	1.636962	.2279277	.3339620
#1	-.589717	-.843630	L-261.474	35750.56	84476.92	10.61647	661840.4
#2	.2132005	-.350599	L-254.663	35319.76	82945.75	10.65030	657669.8
#3	.8354389	-.449205	L-219.160	36283.93	81765.05	10.60337	660994.7
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6908168	-1.98367	-.905437	2.964410	-.189878	-1.13264	2.003615
SDEV	.7012726	2.23629	.951469	.982069	1.210842	.91475	1.154458
%RSD	101.5135	112.7348	105.0839	33.12864	637.6960	80.76208	57.61877
#1	.4837629	.4288274	-.696361	2.300699	1.069021	-.174545	2.625777
#2	.1163838	-2.39250	-.075894	2.499976	-.292527	-1.22660	.6715249
#3	1.472304	-3.98734	-1.94406	4.092553	-1.34613	-1.99679	2.713543
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.63824	-8.58729	3.999830	-10.6778	3.630075	-1.92340	-1.23477
SDEV	2.06496	10.39745	3.781878	10.7260	4.583228	3.08560	2.95591
%RSD	78.27026	121.0795	94.55096	100.4515	126.2571	160.4245	239.3888
#1	L-5.01575	-2.23298	2.714850	-7.33456	3.397402	1.011300	1.008139
#2	-1.60645	-2.94265	1.027875	-2.02157	-.832385	-1.64100	-.128135
#3	-1.29252	-20.5862	8.256766	-22.6773	8.325208	-5.14049	-4.58432
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-1.06471	-.966817	4474.578
SDEV	.63423	.237194	51.147
%RSD	59.56820	24.53353	1.143048
#1	-.753281	-1.15528	4485.066
#2	-.646402	-1.04470	4519.667
#3	-1.79445	-.700473	4418.999
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0051812-DUP1 OPERATOR:
RUN TIME: 06/01/10 13:53:36
COMMENT: SDG:1005065 CLIENTID:SDZ-WN22D 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.104360	50.37205	.6843013	1.628494	25649.32	.8678884	2.990498
SDEV	.334266	9.48101	.0267861	.312940	507.30	.2571105	.128816
%RSD	320.3008	18.82197	3.914372	19.21651	1.977830	29.62484	4.307504
#1	-.463822	60.51928	.7139808	1.943695	25076.10	.6703251	2.955058
#2	-.046382	48.85719	.6770006	1.623922	25831.46	1.158588	2.883112
#3	.1971243	41.73967	.6619223	1.317865	26040.42	.7747524	3.133324
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.52797	-1.04632	L-273.124	37464.90	82942.38	10.10453	670450.1
SDEV	.02520	.12552	.658	871.20	158.44	.20401	6780.7
%RSD	1.649091	11.99630	.2407589	2.325382	.1910218	2.018965	1.011365
#1	-1.55385	-1.15588	L-273.442	38310.85	82942.85	9.967672	677078.2
#2	-1.52655	-.909366	L-272.368	37513.39	82783.71	10.00691	670745.4
#3	-1.50351	-1.07371	L-273.562	36570.47	83100.59	10.33900	663526.5
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.338556	-1.45861	-.024236	-.084023	-.637509	-1.78908	.0919325
SDEV	.246777	2.15362	.317441	.436831	2.761360	2.11453	1.212721
%RSD	72.89108	147.6487	1309.806	519.8920	433.1486	118.1911	1319.143
#1	-.390059	-3.90041	-.312130	-.090978	2.050724	.5804721	.7415698
#2	-.070092	.1700299	.3161973	.3562433	-.496646	-3.48391	-1.30721
#3	-.555517	-.645439	-.076775	-.517335	L-3.46660	-2.46379	.8414369
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-4.68821	-.903912	-.507266	-4.04159	-.667268	.5655903	.6894018
SDEV	1.42080	4.636962	3.450511	.67988	2.832748	1.564862	1.611965
%RSD	30.30592	512.9885	680.2177	16.82206	424.5291	276.6777	233.8209
#1	L-6.24773	-.809213	3.475736	-3.26430	2.497163	-.657324	-1.14915
#2	-4.34958	3.684976	-2.58708	-4.52563	-2.96659	2.329069	1.860110
#3	-3.46731	-5.58750	-2.41045	-4.33484	-1.53238	.0250258	1.357250
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.891339	-1.53083	4382.644
SDEV	.367217	.22263	83.782
%RSD	41.19833	14.54339	1.911668
#1	-1.31161	-1.62473	4297.267
#2	-.729946	-1.69112	4385.933
#3	-.632459	-1.27662	4464.733
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: SDI1005065-01 OPERATOR:
RUN TIME: 06/01/10 14:00:44
COMMENT: SDG:1005065 CLIENTID:SDZ-WN22L 1:75
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0463822	32.31741	.1430833	.9349707	5356.276	.2293792	1.402720
SDEV	.0724142	6.62278	.0266327	.0863101	27.821	.2321798	.281568
%RSD	156.1250	20.49291	18.61345	9.231315	.5194076	101.2210	20.07301
#1	.1275510	32.59682	.1368621	.8921233	5374.190	-.037239	1.330706
#2	-.011596	25.55934	.1201118	.8784682	5324.226	.3870510	1.164152
#3	.0231911	38.79605	.1722760	1.034321	5370.414	.3383256	1.713301
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.350916	-.591636	L-110.825	5738.253	16675.04	2.162369	144136.4
SDEV	.399752	.180279	2.277	26.626	137.07	.058932	277.1
%RSD	113.9168	30.47128	2.054193	.4640127	.8220149	2.725335	.1922377
#1	-.286003	-.531377	L-111.115	5731.060	16714.35	2.184933	143825.1
#2	-.779152	-.449205	L-112.943	5715.963	16522.61	2.095489	144228.2
#3	.0124074	-.794327	L-108.417	5767.737	16788.16	2.206684	144355.9
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4746972	-3.63496	-.285202	2.544647	-.308209	-.731732	-.008996
SDEV	.6927776	2.59481	.125434	.430660	1.313593	.430211	1.330874
%RSD	145.9409	71.38479	43.98077	16.92415	426.2016	58.79346	14794.64
#1	.2329001	-2.67159	-.286436	2.682040	-1.80143	-.528993	.6869493
#2	-.064776	-6.57368	-.410014	2.889847	.6691540	-.440349	.8296114
#3	1.255968	-1.65962	-.159155	2.062054	.2076474	-1.22585	-1.54355
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-3.03559	-2.68904	.8777725	-5.30321	1.547930	1.331523	.5692150
SDEV	.20370	2.21915	3.068941	1.35464	.941389	1.273704	2.080106
%RSD	6.710406	82.52563	349.6283	25.54385	60.81598	95.65774	365.4341
#1	-2.80348	-.265096	-2.57109	-3.88471	1.143705	2.416388	2.409649
#2	-3.18461	-4.62072	3.307489	-6.58338	2.623921	-.070923	-1.68758
#3	-3.11869	-3.18130	1.896915	-5.44153	.8761632	1.649103	.9855761
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.923614	-.415289	4563.955
SDEV	.428244	.109937	23.999
%RSD	46.36616	26.47232	.5258284
#1	-.433988	-.374920	4574.667
#2	-1.22837	-.539704	4580.733
#3	-1.10849	-.331244	4536.466
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005065-02 OPERATOR:
RUN TIME: 06/01/10 14:07:53
COMMENT: SDG:1005065 CLIENTID:SDZ-WN19 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.115955	65.60626	1.076392	1.991748	28562.28	.7281603	3.060358
SDEV	.060252	7.00018	.032516	.233800	179.18	.0582990	.133156
%RSD	51.96153	10.66999	3.020814	11.73843	.6273212	8.006344	4.350978
#1	-.046382	62.95293	1.038868	1.745908	28714.12	.6609089	3.131640
#2	-.150742	73.54522	1.094050	2.211283	28608.07	.7591940	2.906736
#3	-.150742	60.32063	1.096259	2.018053	28364.65	.7643779	3.142698
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.968893	-.898410	L-249.451	40101.59	86555.99	-1.23047	697652.4
SDEV	.750870	.132837	23.591	774.14	995.71	.08805	7034.2
%RSD	77.49766	14.78580	9.457162	1.930440	1.150371	7.155611	1.008272
#1	-.831693	-.777892	L-225.137	39892.55	86783.85	-1.14161	697173.6
#2	-.296084	-.876498	L-250.970	40958.78	87418.02	-1.23211	H704913.8
#3	-1.77890	-1.04084	L-272.246	39453.44	85466.09	-1.31768	690869.8
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2681062	-2.01497	-.295861	1.140561	-.081848	-1.46736	-.253611
SDEV	.1623523	1.48779	.133640	.487634	.791475	.83941	1.750405
%RSD	60.55521	73.83675	45.16978	42.75385	967.0020	57.20544	690.1932
#1	.4393861	-1.19934	-.156248	1.519245	-.753477	-2.38104	1.755062
#2	.2484638	-3.73221	-.422596	1.312102	.7907329	-.730338	-1.06341
#3	.1164688	-1.11337	-.308738	.5903375	-.282800	-1.29071	-1.45248
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-3.43817	-1.02646	.3868712	-6.85815	1.221112	.2382656	-.141065
SDEV	1.11582	5.42872	3.256421	1.05284	1.030832	1.091971	2.982203
%RSD	32.45385	528.8775	841.7327	15.35171	84.41747	458.2997	2114.068
#1	-2.16692	-3.77235	.7508265	-7.22512	.0344988	1.270382	-3.56200
#2	-4.25543	-4.53369	3.446025	-5.67093	1.733326	-.905050	1.910631
#3	-3.89215	5.226659	-3.03624	-7.67839	1.895511	.3494656	1.228174
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-1.39603	-1.28916	4199.022
SDEV	1.26816	.28501	66.287
%RSD	90.84047	22.10852	1.578618
#1	-1.05507	-1.12003	4209.466
#2	-2.79981	-1.12923	4128.133
#3	-.333203	-1.61823	4259.466
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005065-03 OPERATOR:
RUN TIME: 06/01/10 14:15:01
COMMENT: SDG:1005065 CLIENTID:SDZ-WN19D 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.011596	46.72338	.9127604	1.399029	28466.14	.5570107	3.028878
SDEV	.309190	2.98935	.0465745	.090818	334.19	.1809147	.498557
%RSD	2666.459	6.397972	5.102599	6.491473	1.174006	32.47958	16.46013
#1	.2319110	49.59949	.9483428	1.494930	28111.22	.3632260	2.453767
#2	-.359462	43.63239	.9298921	1.387823	28512.43	.7214734	3.338679
#3	.0927644	46.93826	.8600464	1.314335	28774.78	.5863327	3.294188
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.494626	-1.18327	L-257.794	36696.98	82491.48	-1.24662	662874.2
SDEV	.179029	.07767	12.688	75.70	609.29	.06765	1502.9
%RSD	36.19488	6.563661	4.921705	.2062846	.7386069	5.426666	.2267240
#1	-.391152	-1.15588	L-243.419	36675.03	81795.73	-1.16850	661965.2
#2	-.391376	-1.12301	L-262.530	36634.68	82748.88	-1.28530	662048.4
#3	-.701352	-1.27092	L-267.432	36781.23	82929.83	-1.28605	664608.9
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.380924	-2.11386	.0205743	.4295704	-.712662	-1.05164	.4107251
SDEV	1.217608	3.30845	.3873625	.3358310	1.236827	1.09408	.5242054
%RSD	319.6460	156.5120	1882.745	78.17834	173.5502	104.0359	127.6293
#1	.7311069	1.677069	.4433319	.1362438	-1.57397	-1.79551	.2239108
#2	-.191882	-3.60010	-.317322	.7958973	-1.26860	.2046082	1.002747
#3	-1.68200	-4.41856	-.064287	.3565701	.7045789	-1.56401	.0055174
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.94642	-3.18897	.5208957	-4.70645	.7702869	.0601473	-.645497
SDEV	1.29869	.17312	1.938181	4.76599	1.019884	1.787441	.369120
%RSD	44.07684	5.428679	372.0862	101.2652	132.4031	2971.771	57.18387
#1	-2.84913	-3.03280	-.848372	-9.29890	1.947825	-.602785	-.798774
#2	-4.29102	-3.15899	-.327564	.2159368	.1962143	2.084344	-.224433
#3	-1.69912	-3.37512	2.738623	-5.03638	.1668216	-1.30112	-.913286
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.892748	-1.34241	4413.333
SDEV	.273379	.07657	13.261
%RSD	30.62214	5.704255	.3004740
#1	-1.20841	-1.36362	4425.800
#2	-.736848	-1.40615	4414.800
#3	-.732986	-1.25747	4399.400
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005065-04 OPERATOR:
RUN TIME: 06/01/10 14:22:09
COMMENT: SDG:1005065 CLIENTID:SDZ-WN16 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.173933	44.83382	.6784766	1.246887	25393.25	.6929061	3.448808
SDEV	.434949	4.67119	.0511672	.190013	456.94	.1836866	.285898
%RSD	250.0667	10.41890	7.541491	15.23900	1.799467	26.50960	8.289777
#1	.2666976	42.10874	.6758643	1.136127	25868.09	.4808072	3.777145
#2	-.602969	42.16517	.6286655	1.138243	25355.05	.8000994	3.314370
#3	-.185529	50.22755	.7308999	1.466292	24956.60	.7978119	3.254908
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1844401	-1.06823	L-149.265	34852.69	78387.51	-1.01169	639834.1
SDEV	.5735303	.05021	8.305	717.04	200.44	.08894	4724.3
%RSD	310.9575	4.700061	5.564179	2.057353	.2557001	8.791576	.7383565
#1	.8216593	-1.12301	L-144.619	34127.98	78486.83	-.909109	634843.9
#2	-.290377	-1.02441	L-144.323	34868.26	78156.80	-1.06728	640420.9
#3	.0220379	-1.05728	L-158.854	35561.82	78518.89	-1.05869	644237.6
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1200714	-2.42172	-.495900	1.014086	-1.01668	-1.73901	.1925548
SDEV	.3884481	1.55377	.507007	.207081	1.12460	.34971	1.722789
%RSD	323.5141	64.15964	102.2397	20.42046	110.6157	20.10982	894.7007
#1	-.187703	-1.10983	-.037930	1.220321	-.735876	-1.48316	2.046267
#2	-.008616	-4.13758	-1.04072	1.015768	-.059080	-1.59637	-1.35945
#3	.5565328	-2.01777	-.409047	.8061691	-2.25507	-2.13750	-.109148
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.95358	-3.77200	.3561841	-6.71410	.7420666	-.208481	-1.65006
SDEV	2.96178	.95049	1.799958	.19183	.4486645	1.345998	1.01745
%RSD	100.2777	25.19851	505.3446	2.857064	60.46148	645.6208	61.66122
#1	-2.24474	-2.73211	.2580489	-6.69535	1.116327	1.313991	-.800227
#2	-.410535	-4.59592	2.203202	-6.53234	.8651733	-.699032	-1.37245
#3	L-6.20547	-3.98798	-1.39270	-6.91462	.2446998	-1.24040	-2.77750
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-1.21111	-1.03283	4416.844
SDEV	.82423	.13830	66.471
%RSD	68.05547	13.39027	1.504934
#1	-1.21585	-.894658	4483.733
#2	-.384527	-1.03258	4415.999
#3	-2.03297	-1.17126	4350.800
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005065-05 OPERATOR:
RUN TIME: 06/01/10 14:29:17
COMMENT: SDG:1005065 CLIENTID:SDZ-WN20 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.046382	48.07791	.5893358	1.485606	25005.43	.8127281	3.464840
SDEV	.228111	11.10472	.0873222	.313078	36.98	.0715656	.217550
%RSD	491.8079	23.09734	14.81705	21.07407	.1478896	8.805602	6.278802
#1	.1971243	60.24655	.6838414	1.839893	25011.46	.8311895	3.632008
#2	-.081169	45.49471	.5725244	1.370739	24965.80	.8732542	3.543643
#3	-.255102	38.49247	.5116416	1.246187	25039.02	.7337405	3.218870
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.37579	-1.23258	L-276.046	34679.19	80535.43	1.853491	637386.2
SDEV	.42927	.09488	8.142	589.78	972.22	.086397	5596.1
%RSD	31.20136	7.698019	2.949598	1.700687	1.207198	4.661303	.8779757
#1	-1.53569	-1.28736	L-277.679	35352.27	81612.80	1.910211	643677.9
#2	-1.70216	-1.12301	L-283.248	34432.46	79723.48	1.754057	635515.6
#3	-.889527	-1.28736	L-267.211	34252.84	80270.02	1.896206	632964.9
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1381612	-1.29600	-.069894	.8648263	-1.00795	-.444394	-1.71703
SDEV	.4265719	3.51057	.549817	.2587097	.23137	1.670077	1.64372
%RSD	308.7495	270.8773	786.6480	29.91464	22.95488	375.8101	95.73076
#1	.1793944	-4.10609	.3212876	1.025980	-1.26198	.0824803	-3.56148
#2	.5426192	-2.42109	.1675645	1.002086	-.809271	.8987055	-.407086
#3	-.307530	2.639186	-.698533	.5664128	-.952598	-2.31437	-1.18252
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.89740	.2764401	-1.65190	-2.03355	.3462734	2.089576	.3080935
SDEV	.47493	2.047442	1.02144	4.66730	.5145561	1.471129	1.067674
%RSD	16.39159	740.6459	61.83406	229.5149	148.5982	70.40322	346.5422
#1	-3.44575	.6113163	-2.19999	-1.62515	.9322414	3.783740	1.064046
#2	-2.61644	2.135801	-2.28230	2.416129	.1384311	1.134915	-.913286
#3	-2.63001	-1.91780	-.473404	-6.89162	-.031852	1.350071	.7735205
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.398511	-1.35752	4447.222
SDEV	.399125	.15097	79.008
%RSD	100.1541	11.12114	1.776580
#1	-.722986	-1.50100	4357.733
#2	-.519713	-1.37154	4476.600
#3	.0471657	-1.20003	4507.333
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005065-06 OPERATOR:
RUN TIME: 06/01/10 14:36:25
COMMENT: SDG:1005065 CLIENTID:SDZ-WN20D 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.255102	45.73855	.5379442	1.341808	24628.38	.7259827	3.043102
SDEV	.159412	3.35121	.0518825	.086814	251.51	.0849885	.222891
%RSD	62.48967	7.326889	9.644586	6.469938	1.021239	11.70668	7.324475
#1	-.289889	41.87151	.5479884	1.286313	24415.53	.8236658	2.814770
#2	-.394249	47.54907	.5840702	1.441853	24905.92	.6852985	3.260121
#3	-.081169	47.79507	.4817740	1.297258	24563.69	.6689837	3.054414
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.182198	-1.15040	L-248.011	35150.85	79680.77	1.997063	642286.2
SDEV	.641632	.17263	15.418	246.25	619.31	.179674	3119.2
%RSD	352.1628	15.00568	6.216827	.7005473	.7772417	8.996931	.4856473
#1	-.900654	-1.32023	L-264.308	34914.18	79173.19	1.808883	638684.4
#2	.0203208	-1.15588	L-246.069	35132.70	80370.81	2.015496	644098.4
#3	.3337398	-.975104	L-233.656	35405.67	79498.30	2.166810	644075.8
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2623267	-3.05298	-.267479	1.833963	-1.37770	-.484216	-.056953
SDEV	.1579156	1.92073	.198144	.270259	1.53668	.509892	.912008
%RSD	60.19805	62.91335	74.07837	14.73635	111.5396	105.3027	1601.323
#1	.2391616	-4.79715	-.446092	1.668383	-.552531	.1015220	-.037496
#2	.1172732	-3.36734	-.054342	1.687673	-.429875	-.828791	-.978535
#3	.4305454	-.994461	-.302001	2.145832	L-3.15069	-.725377	.8451704
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-4.86050	-3.49153	-.325121	-2.95577	.7469532	.6267099	-.332589
SDEV	.69427	2.88180	1.507768	2.42986	1.451116	1.794145	.506614
%RSD	14.28400	82.53681	463.7561	82.20743	194.2714	286.2799	152.3246
#1	-4.06397	-.420315	-.621267	-2.74615	1.520497	-1.10555	-.913286
#2	L-5.18025	-3.91787	1.308747	-.637507	-.927049	.5087662	-.103486
#3	L-5.33729	-6.13641	-1.66284	-5.48365	1.647412	2.476916	.0190058
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.294365	-1.19479	4388.511
SDEV	.717796	.25645	42.146
%RSD	243.8454	21.46367	.9603662
#1	-.975325	-1.48847	4433.533
#2	.4553227	-1.08079	4381.999
#3	-.363093	-1.01511	4349.999
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005065-07 OPERATOR:
RUN TIME: 06/01/10 14:43:33
COMMENT: SDG:1005065 CLIENTID:SDZ-WN21 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.057978	69.08298	.7585090	2.176277	24170.79	.7392413	3.857317
SDEV	.131700	10.81212	.0468576	.255055	149.08	.3541573	.389515
%RSD	227.1563	15.65091	6.177591	11.71977	.6167611	47.90822	10.09808
#1	-.150742	80.09305	.7836174	2.414159	24259.63	1.143198	4.301233
#2	.0927644	68.67555	.7874616	2.207707	24254.06	.5924125	3.572702
#3	-.115955	58.48033	.7044481	1.906964	23998.68	.4821131	3.698016
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.768665	-1.63796	L-230.337	37372.55	80690.66	-.736940	659871.4
SDEV	.344893	.12335	13.248	1261.06	1400.31	.070439	14767.8
%RSD	44.86915	7.530666	5.751374	3.374283	1.735402	9.558357	2.237987
#1	-1.07773	-1.63248	L-236.577	38655.13	82079.25	-.655607	674988.6
#2	-.831635	-1.76395	L-239.313	37328.35	80713.80	-.776901	659146.0
#3	-.396625	-1.51744	L-215.122	36134.18	79278.92	-.778310	645479.6
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2727437	-1.40355	.0561399	1.601723	-1.02914	-.205827	-1.22989
SDEV	.3338263	1.96641	.5409300	.099048	1.68549	3.390893	1.89980
%RSD	122.3956	140.1018	963.5391	6.183834	163.7756	1647.446	154.4689
#1	.5885332	-3.61657	-.552513	1.570495	-.129028	-1.16359	.8471460
#2	-.076587	-.737127	.2389685	1.522053	.0151900	-3.01482	-1.65712
#3	.3062850	.1430343	.4819640	1.712622	-2.97360	3.560938	-2.87970
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-4.49912	-.570554	-1.26098	-2.09006	.7319905	.8591625	1.193229
SDEV	1.67701	2.126971	2.32857	8.10490	2.341105	1.508963	.490540
%RSD	37.27420	372.7907	184.6627	387.7832	319.8272	175.6318	41.11024
#1	-4.71983	-2.13363	.8687927	-8.21930	2.355991	2.108388	1.709210
#2	L-6.05484	1.851594	-.904513	-5.15029	-1.95157	1.286475	1.137604
#3	-2.72268	-1.42962	-3.74723	7.099408	1.791551	-.817375	.7328737
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.6499432	-1.47901	4190.400
SDEV	.5408384	.15103	125.795
%RSD	83.21317	10.21141	3.001971
#1	1.273245	-1.40994	4059.466
#2	.3047196	-1.65222	4201.400
#3	.3718649	-1.37486	4310.333
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005065-08 OPERATOR:
RUN TIME: 06/01/10 15:08:20
COMMENT: SDG:1005065 CLIENTID:SDZ-SW01 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.115955	40.58411	.4057063	1.183454	24748.27	.8271984	4.207159
SDEV	.159412	6.09557	.0365662	.147121	401.68	.2818188	.654454
%RSD	137.4773	15.01960	9.012982	12.43151	1.623045	34.06907	15.55571
#1	-.081169	33.63233	.4407053	1.019213	24983.78	.6963864	4.315678
#2	.0231911	45.01423	.3677522	1.303168	24976.56	1.150651	4.800571
#3	-.289889	43.10577	.4086616	1.227980	24284.47	.6345579	3.505229
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.320989	-.936757	L-257.436	33906.43	78664.91	-2.05800	630929.8
SDEV	.290185	.111866	2.802	523.27	919.19	.15471	5684.5
%RSD	90.40354	11.94187	1.088476	1.543289	1.168482	7.517590	.9009771
#1	-.486133	-1.02441	L-257.333	33365.99	78781.19	-2.21705	626122.4
#2	-.490911	-.810761	L-260.288	34410.66	79520.41	-2.04894	637203.9
#3	.0140769	-.975104	L-254.686	33942.63	77693.11	-1.90802	629462.9
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2004500	-2.99330	-.320099	1.001146	-1.84984	.2893627	1.788373
SDEV	.6174985	2.93557	.374770	.574370	.96116	2.289109	1.520223
%RSD	308.0562	98.07133	117.0794	57.37121	51.95915	791.0866	85.00593
#1	-.183008	.3690667	-.694982	.7784441	-2.58011	1.836440	.2461624
#2	.9127789	-5.04654	.0545586	.5714764	-2.20849	1.371878	1.833346
#3	-.128421	-4.30242	-.319875	1.653518	-.760923	-2.34023	3.285610
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.22126	-5.53106	-.014683	-4.72679	2.790987	-1.07178	-.282675
SDEV	1.74344	3.12190	2.539791	4.63856	1.998647	.44293	1.695713
%RSD	78.48871	56.44310	17297.90	98.13345	71.61076	41.32627	599.8805
#1	-3.47933	-2.05716	-2.84386	-4.57506	5.034719	-1.09546	1.657895
#2	-2.95330	-8.10185	.7310599	-.165954	2.136930	-1.50240	-1.02694
#3	-.231151	-6.43418	2.068752	-9.43936	1.201314	-.617491	-1.47898
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.0083498	-1.14558	4491.933
SDEV	1.335455	.21816	38.211
%RSD	15993.79	19.04313	.8506559
#1	1.180526	-1.37939	4534.600
#2	-1.44546	-1.10988	4460.866
#3	.2899845	-.947484	4480.333
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV OPERATOR:
RUN TIME: 06/01/10 15:15:29
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	103.0032	45753.99	932.2402	967.8004	45470.00	1000.816	944.6883
SDEV	2.4036	275.52	11.5798	16.9010	1090.26	16.140	18.2331
%RSD	2.333559	.6021838	1.242147	1.746328	2.397765	1.612726	1.930063
#1	100.3131	45830.09	938.6199	948.3477	Q44225.45	982.1836	923.8879
#2	103.7570	45983.46	939.2272	976.1716	45927.99	1009.754	957.9089
#3	104.9397	45448.41	918.8737	978.8820	46256.57	1010.510	952.2680
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	966.2388	1018.316	23445.44	53378.64	47632.88	927.7909	48989.83
SDEV	22.4004	9.050	417.20	898.78	516.00	19.4108	322.32
%RSD	2.318309	.8887630	1.779430	1.683781	1.083284	2.092152	.6579318
#1	940.4277	1008.110	22964.14	54221.14	47108.36	905.4997	49233.67
#2	977.6888	1021.471	23668.23	53482.23	48139.91	936.9106	49111.41
#3	980.5998	1025.367	23703.93	52432.56	47650.36	940.9625	48624.40
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	989.6303	1020.122	940.5005	1112.667	984.9268	1035.579	1009.417
SDEV	14.2758	4.950	15.9353	33.454	7.4302	6.261	8.128
%RSD	1.442542	.4852515	1.694338	3.006694	.7543918	.6046190	.8051798
#1	973.2341	1017.335	923.4804	1074.367	976.6930	1028.508	1002.810
#2	999.3030	1025.837	955.0660	1127.459	986.9555	1040.424	1018.493
#3	996.3536	1017.192	942.9553	1136.176	991.1320	1037.803	1006.947
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1032.280	986.1924	984.2921	1065.619	1020.578	1028.951	1000.274
SDEV	11.165	13.6007	4.7466	8.015	5.386	15.853	7.774
%RSD	1.081548	1.379113	.4822324	.7521170	.5277365	1.540661	.7771622
#1	1020.192	970.5217	979.7714	1056.570	1014.496	1010.659	993.7600
#2	1042.205	993.1326	983.8687	1071.823	1024.745	1037.485	1008.879
#3	1034.444	994.9229	989.2361	1068.465	1022.493	1038.708	998.1820
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	967.3647	959.3871	4554.866
SDEV	8.1694	6.4385	73.936
%RSD	.8444964	.6711036	1.623239
#1	958.1094	952.1952	4485.333
#2	973.5711	964.6146	4546.733
#3	970.4137	961.3514	4632.533
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB OPERATOR:
RUN TIME: 06/01/10 15:22:39
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.324675	41.85221	.1085370	1.091753	378.8760	.1415884	1.199397
SDEV	.309190	10.97407	.0695268	.259589	.8747	.2788009	.778525
%RSD	95.23065	26.22099	64.05813	23.77730	.2308607	196.9093	64.90974
#1	-.081169	49.24851	.1887695	1.266119	378.6119	.4568708	1.526343
#2	-.220315	47.06479	.0708787	1.215720	378.1638	.0403182	1.761135
#3	-.672542	29.24332	.0659630	.7934209	379.8523	-.072424	.3107125
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2040321	-1.15040	-5.74182	-1432.72	13.34389	.1183061	25.19838
SDEV	.2885199	.09906	2.18968	1.93	1.42731	.1328431	18.87800
%RSD	141.4091	8.611002	38.13562	.1347048	10.69632	112.2876	74.91753
#1	.2099666	-1.25449	-8.26717	-1431.57	11.70709	.0919272	11.37747
#2	-.087409	-1.13945	-4.58712	-1434.95	14.32919	.0006316	17.51034
#3	.4895390	-1.05728	-4.37117	-1431.65	13.99540	.2623596	46.70732
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3409235	-.165123	-.213395	.4173934	-.154244	-1.44842	.1633975
SDEV	.9635780	2.259645	.309442	.2429375	.592736	.63236	.6093909
%RSD	282.6376	1368.460	145.0086	58.20348	384.2843	43.65834	372.9500
#1	-.185597	2.200971	-.253982	.1369439	.1527411	-.853885	.8585581
#2	-.244677	-2.30064	.1143369	.5630664	-.837507	-1.37858	-.278634
#3	1.453045	-.395701	-.500542	.5521699	.2220333	-2.11280	-.089732
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-3.17002	.0112112	-.239479	-4.35220	-.001343	-.252460	-.000915
SDEV	.77139	2.743473	1.820288	2.37834	.615079	2.182264	1.471148
%RSD	24.33389	24470.88	760.1041	54.64689	45783.74	864.4008	160713.0
#1	-2.27930	2.362598	-.953185	-1.61445	-.476829	-.762387	.9784329
#2	-3.61442	.6739622	-1.59476	-5.53388	.6932988	-2.13461	-1.69264
#3	-3.61634	-3.00293	1.829513	-5.90826	-.220500	2.139618	.7114642
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.131758	.0024336	4594.089
SDEV	.811499	.2073037	72.158
%RSD	615.8987	8518.529	1.570671
#1	.7112880	-.022434	4553.533
#2	-.199044	-.191315	4551.333
#3	-.907520	.2210494	4677.400
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005065-09 OPERATOR:
RUN TIME: 06/01/10 15:29:48
COMMENT: SDG:1005065 CLIENTID:SDZ-SW01D 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.278293	56.71302	.4587729	1.676591	25004.85	.6013246	3.181668
SDEV	.171598	7.41913	.0263528	.239058	573.83	.2690869	.795829
%RSD	61.66103	13.08189	5.744182	14.25860	2.294878	44.74902	25.01296
#1	-.359462	62.32788	.4444535	1.778247	25511.36	.8244681	4.054372
#2	-.394249	48.30215	.4426801	1.403505	25121.55	.3025017	2.994585
#3	-.081169	59.50903	.4891852	1.848020	24381.64	.6770039	2.496047
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.293221	-1.27640	L-251.931	36938.70	82855.27	-2.19037	662671.1
SDEV	.561829	.25158	8.115	215.93	1775.22	.07533	4030.0
%RSD	191.6059	19.70984	3.221254	.5845715	2.142558	3.439332	.6081520
#1	-.079847	-1.56674	L-258.403	37183.62	84695.93	-2.27133	667324.1
#2	.1306630	-1.13945	L-242.826	36775.77	82716.22	-2.12233	660404.9
#3	-.930480	-1.12301	L-254.565	36856.72	81153.66	-2.17744	660284.4
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3093469	-2.17610	-.036143	1.204689	-2.48882	.6477110	.9060177
SDEV	.4502396	2.55598	.521527	.580941	1.14133	1.140527	1.737872
%RSD	145.5452	117.4569	1442.944	48.22332	45.85854	176.0858	191.8143
#1	.6336574	-3.28578	-.033680	1.747056	-1.81847	1.929471	2.515168
#2	-.204707	-3.98971	-.558897	1.275369	L-3.80665	.2687861	1.139795
#3	.4990905	.7471759	.4841477	.5916416	-1.84133	-.255124	-.936910
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.99349	-4.50033	-1.48742	-3.11340	2.522599	-.598916	-1.59199
SDEV	.41782	2.95808	.45092	2.23397	1.439616	1.163351	.68422
%RSD	20.95946	65.73025	30.31540	71.75361	57.06878	194.2429	42.97892
#1	-2.22492	-3.52144	-.971124	-2.22932	4.002884	-1.31229	-2.35477
#2	-1.51116	-7.82377	-1.80394	-1.45676	1.127428	.7435243	-1.38885
#3	-2.24439	-2.15577	-1.68718	-5.65411	2.437483	-1.22798	-1.03234
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.287079	-1.20676	4247.178
SDEV	.900101	.20328	23.221
%RSD	313.5375	16.84540	.5467297
#1	.0498236	-1.38673	4220.600
#2	.3959706	-.986267	4263.533
#3	-1.30703	-1.24729	4257.400
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005065-10 OPERATOR:
RUN TIME: 06/01/10 15:36:56
COMMENT: SDG:1005065 CLIENTID:SDZ-SW04 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.092764	41.77797	.4341228	1.271673	26280.93	1.211586	4.046388
SDEV	.231621	8.75900	.0427837	.200920	151.25	.244728	.344432
%RSD	249.6873	20.96560	9.855204	15.79966	.5755077	20.19896	8.512096
#1	.0579777	47.80509	.4821224	1.468043	26115.09	1.434694	4.358176
#2	.0231911	31.73053	.4202457	1.066493	26411.29	.9498365	3.676660
#3	-.359462	45.79830	.4000002	1.280484	26316.40	1.250226	4.104327
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.956271	-.986061	L-273.206	35038.05	83744.05	-2.31977	648162.8
SDEV	.206409	.342108	6.076	218.33	520.24	.05999	1117.4
%RSD	21.58474	34.69444	2.224115	.6231234	.6212300	2.586058	.1724018
#1	-.894660	-1.36953	L-273.947	35288.28	84342.85	-2.36591	649377.6
#2	-1.18647	-.712155	L-266.793	34886.37	83486.27	-2.25195	647178.8
#3	-.787683	-.876498	L-278.878	34939.50	83403.03	-2.34144	647932.1
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4208829	-3.30695	.0025849	.2793245	-.358979	-.493328	.6038715
SDEV	.7336645	2.03351	.2626045	.3280732	2.490185	1.775380	2.015454
%RSD	174.3156	61.49206	10159.00	117.4523	693.6852	359.8781	333.7554
#1	.8492156	-4.65764	.2975470	.3527906	-.246256	-1.98018	2.580741
#2	.8396951	-4.29500	-.205799	.5644363	2.072931	-.972168	-1.44807
#3	-.426262	-.968206	-.083993	-.079253	-2.90361	1.472362	.6789416
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.96129	.0865390	-.584089	-3.85824	1.183920	.3470168	1.446237
SDEV	.28070	.8206096	3.347866	3.82897	.755013	2.625547	1.964807
%RSD	9.478924	948.2544	573.1777	99.24150	63.77236	756.6052	135.8565
#1	-2.82790	-.181457	-.281311	-6.94700	.4968067	3.122830	.6739151
#2	-2.77216	1.007642	2.602104	-5.05350	1.062769	.0148772	3.679857
#3	-3.28381	-.566568	-4.07306	.4257947	1.992183	-2.09666	-.015062
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.0503836	-1.24222	4504.022
SDEV	.4709604	.08936	28.691
%RSD	934.7490	7.193234	.6369992
#1	.5263575	-1.32809	4471.400
#2	.0401912	-1.24881	4525.333
#3	-.415398	-1.14975	4515.333
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005065-11 OPERATOR:
RUN TIME: 06/01/10 15:44:51
COMMENT: SDG:1005065 CLIENTID:SDZ-SW05 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.487013	44.92150	.4754211	1.244075	26418.09	.9313397	3.690576
SDEV	.072414	6.10676	.0370009	.102101	297.44	.4681350	.511174
%RSD	14.86904	13.59429	7.782755	8.206958	1.125892	50.26468	13.85080
#1	-.429035	42.60247	.4590927	1.137487	26746.77	1.401024	4.008995
#2	-.568182	40.31395	.4493932	1.253736	26167.45	.4647699	3.100952
#3	-.463822	51.84808	.5177774	1.341001	26340.06	.9282250	3.961780
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.18818	-1.24901	L-279.468	36840.85	84900.20	-2.12655	665039.4
SDEV	1.13978	.27955	22.961	157.01	46.14	.23728	1520.8
%RSD	95.92722	22.38135	8.216009	.4261901	.0543413	11.15818	.2286819
#1	-.803639	-1.04084	L-269.193	36667.96	84870.20	-1.90641	665644.9
#2	-2.47050	-1.56674	L-305.772	36974.57	84877.07	-2.37789	666164.2
#3	-.290396	-1.13945	L-263.438	36880.03	84953.32	-2.09536	663309.1
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.422852	-2.62485	-.532757	.0590155	-1.44194	-1.26115	-1.94645
SDEV	.521895	5.15381	.079169	.6775615	1.05597	.52800	2.74573
%RSD	123.4225	196.3473	14.86026	1148.108	73.23267	41.86627	141.0634
#1	-.750749	-8.33451	-.572298	.7971395	-2.63337	-1.06031	-.404689
#2	-.696781	-1.22315	-.584367	-.534700	-.621620	-1.86009	-5.11656
#3	.1789738	1.683125	-.441606	-.085393	-1.07084	-.863041	-.318113
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.79019	-2.06969	-1.13130	-3.39097	-.200594	-1.59390	-.180197
SDEV	1.83129	3.45524	.45904	1.66929	1.284574	3.36995	.067141
%RSD	65.63309	166.9447	40.57652	49.22742	640.3840	211.4281	37.25967
#1	-1.17750	-5.60990	-1.15009	-1.78680	-.700355	2.282422	-.222635
#2	-4.78103	1.293789	-1.58066	-3.26757	-1.16018	-3.23684	-.215167
#3	-2.41203	-1.89296	-.663154	-5.11853	1.258753	-3.82727	-.102790
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-1.08415	-1.37831	4380.155
SDEV	.62539	.35627	23.712
%RSD	57.68479	25.84844	.5413485
#1	-.616269	-1.11153	4404.667
#2	-.841715	-1.78290	4357.333
#3	-1.79445	-1.24050	4378.466
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV OPERATOR:
RUN TIME: 06/01/10 15:52:00
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	100.3479	46029.00	936.3847	971.5792	45973.78	1003.598	952.9863
SDEV	1.1579	1333.10	31.0264	15.8261	744.50	14.509	10.6963
%RSD	1.153914	2.896221	3.313427	1.628903	1.619404	1.445717	1.122403
#1	99.86086	47042.34	960.5790	971.7691	45567.52	1000.536	950.9280
#2	101.6698	46525.82	947.1702	987.3094	46833.03	1019.394	964.5621
#3	99.51299	Q44518.83	901.4049	955.6590	45520.79	990.8646	943.4686
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	975.1560	991.8787	23568.33	53888.94	47946.60	937.2009	49054.56
SDEV	23.1234	14.9017	440.18	2082.86	1032.60	15.7388	1431.41
%RSD	2.371248	1.502374	1.867682	3.865095	2.153647	1.679345	2.917988
#1	965.6721	995.5381	23506.24	Q55784.03	48413.66	933.0541	50240.60
#2	1001.514	1004.610	24036.26	54223.89	48663.15	954.5980	49458.49
#3	958.2824	975.4882	23162.49	51658.91	46762.99	923.9507	47464.59
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	993.7891	1030.370	941.4646	1118.215	990.9040	1038.032	1009.190
SDEV	16.9081	16.053	18.0248	21.487	19.0316	22.738	21.508
%RSD	1.701375	1.557958	1.914551	1.921572	1.920627	2.190456	2.131169
#1	996.4543	1040.405	944.6674	1096.805	999.4028	1052.867	1025.251
#2	1009.206	1038.850	957.6733	1139.779	1004.206	1049.374	1017.565
#3	975.7067	1011.856	922.0530	1118.060	969.1039	1011.854	984.7553
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1034.785	1000.782	985.9693	1073.401	1020.371	1036.180	1004.101
SDEV	24.904	19.910	18.7434	20.529	23.994	13.614	23.759
%RSD	2.406644	1.989439	1.901011	1.912559	2.351450	1.313845	2.366183
#1	1048.178	1012.561	992.8310	1089.483	1034.584	1039.748	1020.552
#2	1050.127	1011.992	1000.315	1080.443	1033.861	1047.655	1014.888
#3	1006.051	977.7947	964.7620	1050.277	992.6693	1021.138	976.8618
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	967.5165	959.0187	4427.578
SDEV	17.4411	18.7977	81.663
%RSD	1.802670	1.960099	1.844412
#1	967.8271	965.6303	4342.200
#2	984.8003	973.6174	4435.600
#3	949.9222	937.8085	4504.933
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB OPERATOR:
RUN TIME: 06/01/10 15:59:10
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0579777	41.56664	.2174830	.8973705	387.8085	.4534877	2.403646
SDEV	.1254250	3.73729	.0534075	.0591021	1.7284	.2183393	.165300
%RSD	216.3331	8.991087	24.55706	6.586138	.4456753	48.14668	6.877034
#1	-.081169	43.40360	.2726690	.8522093	389.8025	.5797908	2.242389
#2	.1623377	44.02997	.1660523	.9642614	386.7410	.5793008	2.572711
#3	.0927644	37.26637	.2137278	.8756409	386.8818	.2013714	2.395837
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6089435	-.728589	7.384067	-1422.42	23.40953	.2860041	93.18218
SDEV	.1474901	.285125	2.707291	1.29	1.09782	.0513363	23.19726
%RSD	24.22066	39.13387	36.66396	.0904114	4.689625	17.94949	24.89452
#1	.7712028	-.399902	8.023212	-1423.76	22.23138	.2580772	69.88784
#2	.4830113	-.876498	4.414392	-1422.29	23.59342	.3452498	93.37756
#3	.5726162	-.909366	9.714599	-1421.20	24.40379	.2546853	116.2811
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.9785884	-2.12435	.2470855	.7520672	.0819623	-.247574	1.840358
SDEV	.2312061	1.68649	.1334797	.2047239	.7247076	.849075	.520785
%RSD	23.62649	79.38862	54.02166	27.22149	884.1967	342.9578	28.29803
#1	1.212452	-.177091	.0929729	.5487075	.2404156	-.017430	1.259078
#2	.7501354	-3.07818	.3260927	.9581286	.7143328	.4627049	2.264424
#3	.9731773	-3.11779	.3221909	.7493654	-.708862	-1.18800	1.997570
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.98674	-.598091	.4189272	-2.60559	.9271131	1.019056	1.472470
SDEV	2.33035	1.645017	.4290976	3.58855	2.491058	1.688593	2.082922
%RSD	78.02341	275.0448	102.4277	137.7251	268.6898	165.7017	141.4577
#1	-4.13024	.3939457	.1612060	.9416751	-.498824	.0113562	1.662568
#2	-4.52445	.3087381	.9142705	-6.23405	3.803505	.0773080	-.698985
#3	-.305518	-2.49696	.1813050	-2.52439	-.523342	2.968504	3.453826
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.6144403	.3134505	4736.244
SDEV	.5665851	.1201040	18.648
%RSD	92.21159	38.31673	.3937267
#1	.9518964	.3573613	4721.933
#2	-.039686	.4054197	4729.466
#3	.9311102	.1775703	4757.333
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0051436-BLK1 OPERATOR:
RUN TIME: 06/01/10 16:09:18
COMMENT: SDG:1005066 CLIENTID:PBS 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0811688	57.80500	.1363146	1.579184	427.9385	.0942726	.7953479
SDEV	.1915899	2.48263	.1275177	.270839	39.2500	.1928048	.1795936
%RSD	236.0387	4.294839	93.54665	17.15054	9.171885	204.5183	22.58051
#1	-.046382	55.18105	.0191885	1.730277	384.8952	.1450073	.5959154
#2	.3014843	60.11679	.2721556	1.740770	437.1714	.2566370	.8458315
#3	-.011596	58.11716	.1175996	1.266506	461.7491	-.118826	.9442970
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000
LOW	-5.00000	-200.000	-200.000	-5.00000	-5000.00	-5.00000	-5.00000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.190789	-1.06823	-3.34634	-1426.10	9.581345	.1513778	100.2195
SDEV	.297209	.25583	5.65547	12.13	5.897375	.0473217	83.7087
%RSD	155.7785	23.94930	169.0044	.8502238	61.55060	31.26064	83.52538
#1	-.489879	-1.33666	-8.32901	-1439.79	3.041487	.0968766	5.477329
#2	-.186990	-1.04084	-4.51071	-1416.69	11.20758	.1820273	164.1764
#3	.1045016	-.827196	2.800688	-1421.83	14.49497	.1752295	131.0047
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000
LOW	-5.00000	-5.00000	-100.000	-5000.00	-5000.00	-10.0000	-5000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.763223	-5.38232	-.095404	.1294793	.3736680	.0479039	.8959761
SDEV	.542136	.99685	.348674	.5668122	.5267959	.5796995	1.179996
%RSD	71.03243	18.52089	365.4707	437.7627	140.9797	1210.129	131.6995
#1	-.556439	-4.30525	-.497969	-.514238	-.166817	.1088455	1.387765
#2	-1.37832	-6.27250	.1113173	.3488821	.8856143	.5947251	1.750535
#3	-.354910	-5.56920	.1004395	.5537938	.4022068	-.559859	-.450372
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000
LOW	-40.0000	-10.0000	-20.0000	-20.0000	-3.00000	-5.00000	-10.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-3.26263	2.926348	-.903406	-5.55158	2.840801	2.923644	1.022642
SDEV	.53903	2.646980	.640064	.25995	.971299	2.129207	1.929816
%RSD	16.52131	90.45335	70.85012	4.682422	34.19102	72.82716	188.7088
#1	-3.75690	-.105892	-.199934	-5.37778	2.845344	.5084504	-1.13967
#2	-2.68789	4.775099	-1.05886	-5.85042	3.809821	4.529553	1.637444
#3	-3.34309	4.109838	-1.45143	-5.42654	1.867239	3.732929	2.570155
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	10.00000					100.0000	50.00000
LOW	-10.0000					-100.000	-50.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.240901	-.125698	4566.200
SDEV	.761619	.430803	89.247
%RSD	316.1542	342.7292	1.954514
#1	.2909855	-.585375	4476.066
#2	-1.11338	-.060524	4567.999
#3	.0996916	.2688050	4654.533
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	5.000000	40.00000	
LOW	-5.00000	-40.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0051436-BS1 OPERATOR:
RUN TIME: 06/01/10 16:16:27
COMMENT: SDG:1005066 CLIENTID:LCSS 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	822.1475	65262.62	1387.243	1256.993	37357.53	2153.780	612.1821
SDEV	6.8522	922.06	21.082	8.708	258.85	15.701	3.9384
%RSD	.8334504	1.412843	1.519685	.6927682	.6928870	.7289860	.6433393
#1	814.3438	66327.02	1410.656	1264.738	37410.15	2166.707	616.3252
#2	824.9189	64708.70	1369.766	1247.567	37076.42	2136.308	608.4866
#3	827.1800	64752.13	1381.307	1258.674	37586.02	2158.325	611.7344
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1110.000	108000.0	1840.000	1690.000	52200.00	2770.000	811.0000
LOW	490.0000	43900.00	1280.000	1170.000	34200.00	1880.000	561.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	564.8033	1378.705	114041.2	25510.53	18368.13	2688.021	3937.483
SDEV	5.8623	2.361	992.2	415.38	169.93	22.800	4.197
%RSD	1.037944	.1712676	.8700404	1.628251	.9251170	.8481956	.1065791
#1	571.5184	1378.015	115096.4	25985.51	18564.31	2713.154	3936.903
#2	562.1863	1381.334	113127.0	25330.72	18266.59	2668.666	3933.606
#3	560.7053	1376.766	113900.2	25215.35	18273.50	2682.243	3941.939
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	738.0000	1540.000	214000.0	30600.00	27300.00	3650.000	6580.000
LOW	477.0000	1080.000	74200.00	17000.00	17100.00	2430.000	2540.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	462.6373	1425.343	616.9036	1118.918	675.2563	703.3545	598.7754
SDEV	4.9153	4.031	6.1052	7.518	2.9230	4.2873	8.9031
%RSD	1.062447	.2828170	.9896475	.6719341	.4328763	.6095527	1.486889
#1	467.0931	1429.937	623.9188	1117.395	676.6206	708.1052	608.7608
#2	457.3649	1423.697	612.7938	1112.277	671.9006	699.7731	591.6650
#3	463.4540	1422.396	613.9980	1127.081	677.2479	702.1852	595.9004
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	588.0000	1970.000	930.0000	1410.000	918.0000	1030.000	1730.000
LOW	404.0000	1190.000	517.0000	905.0000	619.0000	626.0000	30.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	733.9700	673.9899	675.8854	700.3029	704.8752	1644.872	-.781711
SDEV	9.3594	3.7709	3.1002	10.7156	4.6980	13.329	1.134045
%RSD	1.275176	.5594922	.4586798	1.530141	.6664958	.8103262	145.0722
#1	744.6757	677.8008	676.0281	711.0661	706.6241	1655.783	-2.08972
#2	727.3369	670.2603	672.7164	700.2072	699.5537	1630.016	-.181518
#3	729.8974	673.9086	678.9118	689.6355	708.4480	1648.817	-.073897
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	NOCHECK
HIGH	973.0000					2280.000	
LOW	645.0000					1220.000	

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	556.7786	2431.126	4830.355
SDEV	3.1440	12.424	58.851
%RSD	.5646791	.5110419	1.218352
#1	557.2494	2436.341	4763.200
#2	553.4257	2416.944	4872.933
#3	559.6606	2440.093	4854.933
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	705.0000	4510.000	
LOW	463.0000	1110.000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005066-08 OPERATOR:
RUN TIME: 06/01/10 16:23:35
COMMENT: SDG:1005066 CLIENTID:SDZ-SD30 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.475417	37563.76	59.55891	3.753328	196556.8	1.876397	6.056599
SDEV	.368695	204.48	.32626	.171013	2575.6	.130688	.273369
%RSD	77.55177	.5443448	.5477970	4.556305	1.310337	6.964860	4.513574
#1	-.533395	37329.60	59.27999	3.832817	193647.1	2.027284	5.745038
#2	-.811688	37654.65	59.47904	3.870130	197479.2	1.803007	6.256291
#3	-.081169	37707.04	59.91769	3.557038	198544.2	1.798899	6.168467
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	122.5500	15.68933	48760.73	9977.705	20009.51	329.4056	36208.14
SDEV	2.3590	.23872	471.73	88.215	226.57	3.9407	18.16
%RSD	1.924890	1.521561	.9674389	.8841212	1.132298	1.196313	.0501593
#1	121.9262	15.45925	48392.14	10016.59	19889.26	328.5248	36224.17
#2	125.1581	15.67289	49292.35	10039.79	20270.85	333.7122	36211.84
#3	120.5656	15.93584	48597.71	9876.728	19868.42	325.9798	36188.42
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	29.95143	.9445496	118.2559	109.4591	31.91961	-.415630	10.57702
SDEV	.60029	5.312126	.8121	1.2034	1.53495	2.155552	1.45114
%RSD	2.004219	562.3978	.6867628	1.099381	4.808790	518.6231	13.71973
#1	29.72409	6.674221	117.3246	108.4150	30.31957	1.504921	10.30894
#2	29.49801	-3.81682	118.8166	110.7752	32.05934	-.004768	12.14350
#3	30.63219	-.023754	118.6266	109.1869	33.37991	-2.74704	9.278608
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	31.86256	34.56215	30.59686	-20.8092	9.763085	19.02985	1.286171
SDEV	2.38388	5.43029	2.28819	2.7355	4.108419	1.09973	.896019
%RSD	7.481758	15.71167	7.478499	13.14542	42.08115	5.778969	69.66565
#1	34.39968	33.37089	28.79274	-20.3522	12.41431	18.20158	.9451248
#2	31.51873	29.82639	33.17064	-23.7443	11.84443	18.61040	.6107532
#3	29.66927	40.48917	29.82719	-18.3310	5.030516	20.27758	2.302635
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	12.58620	941.1134	4375.644
SDEV	.85846	7.8380	44.578
%RSD	6.820622	.8328394	1.018777
#1	12.23400	933.0397	4372.600
#2	13.56475	941.6083	4332.667
#3	11.95987	948.6921	4421.667
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0051436-DUP1 OPERATOR:
RUN TIME: 06/01/10 16:30:43
COMMENT: SDG:1005066 CLIENTID:SDZ-SD30D 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.927644	39208.06	61.69181	3.287114	198679.0	2.058407	6.706117
SDEV	.175089	174.93	.37096	.177605	1205.2	.249605	.123617
%RSD	18.87459	.4461698	.6013064	5.403060	.6066113	12.12612	1.843353
#1	-1.08998	39023.72	61.37182	3.461806	197447.3	2.303794	6.703232
#2	-.950835	39371.75	61.60520	3.292804	198733.8	1.804788	6.831151
#3	-.742115	39228.72	62.09841	3.106733	199855.8	2.066637	6.583967
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	132.7265	18.32430	52231.31	10322.03	21246.26	355.4862	37411.89
SDEV	1.2415	.15270	107.23	80.93	64.77	5.0837	253.51
%RSD	.9354165	.8333297	.2052959	.7840883	.3048347	1.430073	.6776210
#1	131.4046	18.22021	52110.36	10311.70	21208.38	349.6284	37396.67
#2	133.8679	18.49960	52314.73	10407.64	21321.04	358.7459	37672.66
#3	132.9069	18.25309	52268.82	10246.76	21209.35	358.0841	37166.33
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	33.55142	-.563610	127.7476	120.0974	29.54901	.3621274	8.283347
SDEV	1.47353	.290262	2.0577	.5044	.63855	1.144565	1.493493
%RSD	4.391864	51.50057	1.610761	.4200291	2.160996	316.0669	18.03007
#1	34.28292	-.613613	125.3847	120.2752	29.24433	-.959045	9.483767
#2	31.85527	-.251595	129.1454	119.5281	30.28284	1.052799	8.755410
#3	34.51608	-.825623	128.7126	120.4889	29.11987	.9926286	6.610866
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	32.80588	29.26188	29.68905	-20.8762	10.96274	16.71143	-.210790
SDEV	.75644	2.07756	1.21450	1.1958	1.14864	2.82614	1.733475
%RSD	2.305791	7.099895	4.090734	5.727837	10.47765	16.91144	822.3726
#1	32.13830	26.89451	30.41416	-22.2205	9.653071	13.51483	-2.02776
#2	33.62747	30.10951	30.36606	-20.4773	11.79907	18.87842	1.424958
#3	32.65188	30.78162	28.28694	-19.9309	11.43610	17.74103	-.029571
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	11.69762	998.1092	4573.111
SDEV	.96351	9.0244	21.914
%RSD	8.236835	.9041538	.4792007
#1	10.75332	992.7395	4558.733
#2	12.67926	1008.528	4562.267
#3	11.66029	993.0601	4598.333
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0051436-MS1 OPERATOR:
RUN TIME: 06/01/10 16:37:51
COMMENT: SDG:1005066 CLIENTID:SDZ-SD30S 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	46.67208	52720.29	1854.692	47.72694	208567.8	47.88872	441.8965
SDEV	.65173	295.69	16.581	.62640	4027.8	1.20604	10.7603
%RSD	1.396400	.5608600	.8940032	1.312469	1.931148	2.518426	2.435031
#1	47.40260	53047.60	1835.546	48.26022	212528.2	48.10333	452.6543
#2	46.15028	52640.81	1864.365	47.88351	208699.4	48.97305	441.9015
#3	46.46336	52472.47	1864.165	47.03711	204475.9	46.58978	431.1336
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	317.2440	264.4068	52355.33	11643.86	20771.14	766.9464	37070.16
SDEV	8.6488	3.1559	931.76	131.67	219.46	17.5550	262.59
%RSD	2.726237	1.193582	1.779689	1.130825	1.056544	2.288943	.7083637
#1	327.2285	268.0223	53358.33	11496.70	21001.94	787.0558	36773.99
#2	312.4359	262.2046	52190.97	11684.32	20746.33	754.6819	37161.97
#3	312.0676	262.9934	51516.68	11750.55	20565.14	759.1013	37274.52
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	480.6229	42.56976	573.6591	561.4324	46.32167	7.138413	275.2104
SDEV	7.2719	1.12504	8.6157	15.5124	1.80792	.307344	4.6807
%RSD	1.513006	2.642817	1.501889	2.763010	3.902963	4.305495	1.700767
#1	485.7573	42.91725	583.2351	576.2364	44.25178	7.331766	279.3433
#2	483.8097	41.31197	571.2071	562.7636	47.12163	6.784013	276.1604
#3	472.3017	43.48006	566.5352	545.2974	47.59161	7.299460	270.1276
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	67.93143	48.25033	45.35483	-15.6302	18.50292	938.2122	929.8662
SDEV	4.05220	.64848	2.80516	3.0637	1.44342	15.4834	6.2148
%RSD	5.965139	1.343996	6.184926	19.60108	7.801027	1.650305	.6683575
#1	71.39273	48.52126	42.11623	-12.1919	17.07627	953.1558	926.9737
#2	68.92748	47.51031	46.92346	-16.6284	18.46994	939.2404	937.0001
#3	63.47407	48.71941	47.02479	-18.0702	19.96254	922.2404	925.6249
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	891.9678	1880.153	4455.022
SDEV	3.2998	3.293	67.237
%RSD	.3699508	.1751642	1.509234
#1	894.4603	1876.378	4532.333
#2	893.2174	1881.644	4410.200
#3	888.2256	1882.437	4422.533
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0051436-MSD1 OPERATOR:
RUN TIME: 06/01/10 16:45:00
COMMENT: SDG:1005066 CLIENTID:SDZ-SD30SD 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	49.60576	53973.69	1852.866	49.60809	252777.7	50.48283	461.6773
SDEV	.34845	517.23	11.299	.57630	4033.6	.23074	9.2635
%RSD	.7024330	.9583055	.6097990	1.161697	1.595713	.4570566	2.006480
#1	49.94203	53921.19	1840.215	49.17500	249387.5	50.21643	452.3438
#2	49.24629	54515.17	1861.954	50.26218	257238.7	50.61301	470.8691
#3	49.62894	53484.71	1856.430	49.38709	251706.9	50.61906	461.8191
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	333.0402	272.4048	56577.52	11604.49	22161.10	802.6036	37191.41
SDEV	7.7966	1.0873	846.59	113.42	262.83	12.8632	271.29
%RSD	2.341032	.3991531	1.496340	.9774140	1.185978	1.602686	.7294506
#1	325.7548	271.1777	55789.60	11574.38	21957.01	789.8956	37105.41
#2	341.2631	273.2484	57472.59	11729.93	22457.67	815.6166	37495.28
#3	332.1026	272.7883	56470.39	11509.16	22068.64	802.2987	36973.54
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	501.6679	40.92618	594.2859	620.1267	48.18382	8.954067	274.5499
SDEV	6.6929	3.85872	9.1647	10.5666	2.09754	3.182645	3.1862
%RSD	1.334122	9.428483	1.542137	1.703950	4.353194	35.54413	1.160527
#1	494.5105	37.81679	592.3263	608.4122	45.84355	7.800584	273.2114
#2	507.7711	39.71709	604.2720	628.9390	49.89432	6.508997	278.1871
#3	502.7222	45.24465	586.2596	623.0288	48.81360	12.55262	272.2513
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	71.45622	49.71402	47.41593	-6.93190	16.88251	981.0301	943.3348
SDEV	1.77380	.54703	3.12231	5.80547	1.89255	7.1875	9.1770
%RSD	2.482364	1.100352	6.584940	83.75005	11.21012	.7326526	.9728277
#1	70.19264	49.79906	43.86482	-9.49190	16.43124	974.4260	934.8337
#2	70.69197	50.21355	49.73097	-11.0174	15.25639	988.6853	953.0640
#3	73.48404	49.12945	48.65200	-.286429	18.95991	979.9790	942.1066
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	919.6667	1914.178	4614.689
SDEV	6.0284	24.476	35.711
%RSD	.6555030	1.278667	.7738525
#1	912.7490	1904.920	4620.400
#2	922.4546	1941.933	4576.466
#3	923.7967	1895.682	4647.200
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: SDI1005066-08 OPERATOR:
RUN TIME: 06/01/10 16:52:08
COMMENT: SDG:1005066 CLIENTID:SDZ-SD30L 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.405844	7588.757	11.59500	1.600408	40852.19	.2975203	1.280649
SDEV	.020084	43.148	.10602	.186718	783.74	.1819204	.431294
%RSD	4.948716	.5685833	.9143879	11.66690	1.918484	61.14552	33.67775
#1	-.394249	7620.278	11.56823	1.384858	41736.41	.4180781	1.754690
#2	-.429035	7539.581	11.50492	1.704048	40577.02	.3862193	1.175837
#3	-.394249	7606.412	11.71184	1.712319	40243.13	.0882636	.9114218
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	26.36720	2.185769	10498.16	825.2268	4401.807	68.62790	7166.210
SDEV	1.02717	.233190	141.73	23.0215	28.693	.90396	29.269
%RSD	3.895631	10.66856	1.350062	2.789716	.6518470	1.317195	.4084282
#1	27.41751	2.393937	10659.84	801.4830	4433.176	69.59405	7148.841
#2	25.36485	2.229594	10439.28	826.7466	4395.357	68.48695	7200.002
#3	26.31925	1.933776	10395.35	847.4507	4376.888	67.80269	7149.787
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	7.497795	-4.11229	24.44290	25.55621	6.627261	-.182850	4.645717
SDEV	.440860	3.06379	.53919	1.06027	.704410	1.949387	1.473465
%RSD	5.879866	74.50331	2.205915	4.148763	10.62898	1066.112	31.71663
#1	7.989782	-1.64949	25.01974	26.12678	5.834756	-1.89069	6.208271
#2	7.365023	-7.54319	24.35736	26.20901	7.182089	-.598793	3.281416
#3	7.138580	-3.14420	23.95159	24.33284	6.864938	1.940938	4.447464
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	5.961096	2.953989	8.458179	-10.9086	5.169371	5.111858	-.071918
SDEV	1.385215	2.654751	1.752884	4.8854	.559543	2.216085	.923243
%RSD	23.23759	89.87004	20.72413	44.78466	10.82420	43.35185	1283.741
#1	6.356942	2.479739	7.506817	-15.5519	4.927044	6.498083	.5075827
#2	7.105298	.5683250	10.48105	-11.3615	4.771836	2.556001	.4132584
#3	4.421048	5.813901	7.386673	-5.81260	5.809231	6.281490	-1.13660
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.346879	191.0093	4588.489
SDEV	.788053	2.0881	49.207
%RSD	33.57877	1.093205	1.072394
#1	3.239730	193.4096	4638.800
#2	2.052575	189.6113	4586.200
#3	1.748333	190.0069	4540.466
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0051436-PS1 OPERATOR:
RUN TIME: 06/01/10 16:59:16
COMMENT: SDG:1005066 CLIENTID:SDZ-SD30A 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	17.01067	37493.71	403.9117	12.36716	202906.3	11.04343	93.57217
SDEV	.64363	276.40	5.0526	.35213	552.1	.46131	1.46291
%RSD	3.783691	.7371929	1.250906	2.847293	.2720787	4.177215	1.563398
#1	17.41651	37698.06	408.7968	12.69576	203542.8	11.25602	94.46230
#2	16.26855	37603.85	404.2312	12.41024	202557.0	11.36011	94.37044
#3	17.34694	37179.22	398.7069	11.99547	202619.3	10.51416	91.88379
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	143.2660	64.98689	49973.19	9559.425	20097.47	359.1449	35560.57
SDEV	2.2086	.16867	556.70	123.955	173.13	3.7560	179.60
%RSD	1.541640	.2595397	1.113991	1.296683	.8614576	1.045807	.5050439
#1	143.5156	64.84447	50369.58	9643.693	20206.26	360.1547	35725.62
#2	145.3391	64.94307	50213.25	9617.486	20188.33	362.2927	35586.79
#3	140.9431	65.17315	49336.74	9417.096	19897.83	354.9872	35369.31
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	103.0535	13.76790	209.5896	150.9134	36.65732	7.181721	114.6031
SDEV	1.0054	1.21215	2.0193	.5605	1.92288	1.549785	2.4592
%RSD	.9756278	8.804180	.9634418	.3713755	5.245556	21.57957	2.145836
#1	103.7190	15.15786	211.8308	151.1785	38.87647	7.095365	116.3956
#2	103.5446	13.21547	209.0260	151.2921	35.61093	5.676920	111.7995
#3	101.8969	12.93037	207.9120	150.2696	35.48456	8.772878	115.6141
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	50.93963	38.94855	35.51009	-15.6887	18.59713	19.89824	-1.81587
SDEV	1.79848	7.79584	1.47920	8.3758	2.62783	4.40476	4.07322
%RSD	3.530615	20.01574	4.165563	53.38708	14.13032	22.13644	224.3128
#1	48.93813	47.57088	34.53243	-10.5753	15.91478	21.22760	2.007638
#2	51.46079	32.39759	37.21183	-25.3548	21.16683	14.98192	-6.09969
#3	52.41999	36.87717	34.78600	-11.1361	18.70979	23.48522	-1.35555
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	12.17192	947.2663	4540.644
SDEV	.74410	3.3518	46.677
%RSD	6.113219	.3538393	1.027973
#1	11.42917	948.0344	4521.400
#2	12.16922	943.5971	4506.667
#3	12.91736	950.1674	4593.866
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005066-01 OPERATOR:
RUN TIME: 06/01/10 17:06:24
COMMENT: SDG:1005066 CLIENTID:SDZ-SD24 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.579777	4284.895	15.09351	1.711322	149383.8	.9275720	2.465543
SDEV	.334266	42.308	.02515	.118315	1689.3	.2960949	.281829
%RSD	57.65414	.9873758	.1666510	6.913635	1.130865	31.92150	11.43069
#1	-.220315	4297.912	15.08936	1.823831	150132.5	1.199277	2.785733
#2	-.637755	4237.608	15.07069	1.722184	147449.5	.6119849	2.255088
#3	-.881262	4319.166	15.12048	1.587951	150569.3	.9714545	2.355807
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	43.88361	.9477144	10034.00	748.3359	7721.413	82.91110	22910.35
SDEV	1.14809	.0434812	130.47	12.0673	85.322	2.26502	178.68
%RSD	2.616220	4.588001	1.300276	1.612549	1.105007	2.731865	.7799289
#1	43.78428	.9312805	10045.88	744.4653	7738.389	83.25286	23022.65
#2	42.78841	.9970174	9897.993	738.6788	7628.878	80.49461	22704.31
#3	45.07814	.9148455	10158.12	761.8635	7796.970	84.98581	23004.10
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	4.665419	-9.88042	19.80187	31.71835	9.596693	-.837059	13.88830
SDEV	.448943	1.47548	.47981	.38150	.628077	1.988084	2.56798
%RSD	9.622783	14.93341	2.423068	1.202784	6.544722	237.5082	18.49023
#1	4.169568	-8.73990	20.20833	31.43594	10.17213	-1.86401	11.12932
#2	4.782390	-9.35456	19.27259	31.56676	8.926697	-2.10164	14.32676
#3	5.044298	L-11.5468	19.92470	32.15235	9.691256	1.454479	16.20882
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	7.374652	14.55222	7.119677	-25.2504	11.34870	19.49322	-.241774
SDEV	.626101	2.25469	1.018129	2.5959	2.74060	2.59169	2.953056
%RSD	8.489913	15.49381	14.30022	10.28066	24.14907	13.29533	1221.411
#1	8.048460	16.98757	6.766537	-23.3177	8.844081	20.30969	3.082157
#2	7.264663	14.13172	6.325137	-28.2010	10.92586	16.59162	-2.56264
#3	6.810834	12.53739	8.267359	-24.2326	14.27614	21.57835	-1.24483
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.8076010	116.9681	4592.489
SDEV	.3513073	.3755	21.357
%RSD	43.50010	.3210424	.4650410
#1	1.159078	117.2145	4571.733
#2	.4564637	116.5359	4614.400
#3	.8072615	117.1539	4591.333
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005066-02 OPERATOR:
RUN TIME: 06/01/10 17:24:58
COMMENT: SDG:1005066 CLIENTID:SDZ-SD25 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.231911	3372.396	11.31151	2.318362	106883.7	1.109261	2.446456
SDEV	.246797	32.774	.27014	.190430	653.0	.188192	.679522
%RSD	106.4190	.9718412	2.388177	8.213998	.6109185	16.96552	27.77576
#1	-.011596	3410.036	11.48598	2.536232	107572.5	1.293884	3.231097
#2	-.498609	3356.976	11.00034	2.235175	106804.7	.9176925	2.055849
#3	-.185529	3350.175	11.44820	2.183678	106273.8	1.116208	2.052421
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	39.29435	.9586711	8045.046	682.2158	6830.712	59.80673	25027.62
SDEV	.89956	.3487540	32.889	21.3113	47.613	.48774	342.03
%RSD	2.289298	36.37890	.4088123	3.123842	.6970422	.8155191	1.366616
#1	39.71858	1.062755	8083.002	706.5831	6884.795	60.17310	25417.70
#2	38.26112	.5697251	8027.181	673.0071	6812.233	59.25312	24886.14
#3	39.90336	1.243533	8024.957	667.0572	6795.109	59.99397	24779.04
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	4.743722	-8.15296	15.90294	27.01317	9.017824	.6138836	13.37692
SDEV	.084591	5.62492	.07526	.39443	1.079255	2.764225	1.37048
%RSD	1.783211	68.99229	.4732563	1.460130	11.96802	450.2849	10.24514
#1	4.814496	-2.13365	15.98330	26.80262	8.654324	.7439564	13.67524
#2	4.650035	-9.04942	15.83411	26.76869	8.167250	3.310776	11.88185
#3	4.766633	L-13.2758	15.89140	27.46819	10.23190	-2.21308	14.57368
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	6.017869	13.95701	6.548960	-26.1378	13.96716	19.77040	.2027809
SDEV	.452068	1.97666	.895930	3.5851	2.65275	3.30616	.9605280
%RSD	7.512086	14.16248	13.68049	13.71623	18.99275	16.72277	473.6777
#1	5.524897	14.43859	5.763523	-27.7957	14.98973	21.73245	1.216288
#2	6.115700	11.78406	6.358578	-22.0238	15.95644	21.62547	.0861776
#3	6.413012	15.64838	7.524779	-28.5940	10.95530	15.95327	-.694122
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	3.054184	90.10741	4573.955
SDEV	.872089	.65135	51.866
%RSD	28.55393	.7228544	1.133936
#1	4.056344	90.82809	4525.600
#2	2.638518	89.56074	4567.533
#3	2.467689	89.93341	4628.733
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV OPERATOR:
RUN TIME: 06/01/10 17:32:07
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	102.7250	45381.19	910.2155	983.7839	47222.32	1027.620	967.6092
SDEV	.8538	414.01	3.4416	8.4073	696.85	13.383	9.8198
%RSD	.8311051	.9122922	.3781111	.8545878	1.475678	1.302378	1.014850
#1	103.2352	45739.73	910.9331	992.1840	47954.42	1036.636	971.9644
#2	101.7393	45475.79	913.2416	975.3694	46567.10	1012.242	956.3651
#3	103.2004	44928.08	906.4716	983.7983	47145.45	1033.981	974.4982
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	988.5249	994.5356	24042.68	52017.42	48206.96	948.6863	48152.58
SDEV	7.7627	4.4510	240.15	327.07	215.71	5.3641	230.05
%RSD	.7852779	.4475456	.9988317	.6287643	.4474596	.5654276	.4777543
#1	997.3010	989.8518	24248.63	51790.46	48431.65	952.7106	48321.35
#2	982.5577	995.0451	23778.90	52392.32	48001.53	942.5965	48245.86
#3	985.7160	998.7100	24100.50	51869.48	48187.69	950.7519	47890.54
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1009.108	1028.279	942.4667	1174.473	998.7519	1036.230	1007.077
SDEV	13.323	3.893	6.8145	22.272	6.7339	5.572	6.792
%RSD	1.320280	.3785625	.7230524	1.896341	.6742297	.5376934	.6744192
#1	1021.717	1027.506	949.9358	1186.975	1005.127	1031.477	1011.973
#2	995.1705	1024.832	940.8761	1148.759	991.7091	1034.852	999.3234
#3	1010.436	1032.501	936.5881	1187.686	999.4196	1042.362	1009.936
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1038.826	1001.066	997.5933	1057.865	1025.427	1057.285	994.2096
SDEV	3.839	16.642	8.2814	10.304	4.960	8.530	3.3485
%RSD	.3695555	1.662467	.8301331	.9740229	.4836557	.8068004	.3367981
#1	1040.295	1001.965	1006.702	1054.966	1019.748	1063.557	997.6707
#2	1034.469	983.9926	995.5585	1049.321	1027.626	1047.572	990.9864
#3	1041.713	1017.241	990.5189	1069.308	1028.907	1060.727	993.9717
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	976.3036	945.5847	4534.533
SDEV	4.9849	10.9124	26.121
%RSD	.5105889	1.154041	.5760448
#1	979.8789	957.4375	4520.600
#2	970.6093	943.3618	4518.333
#3	978.4227	935.9550	4564.667
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB OPERATOR:
RUN TIME: 06/01/10 17:39:17
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0927644	56.36373	.3807720	1.294277	398.9203	.9317702	2.637619
SDEV	.3762751	2.42879	.0312258	.010089	1.0050	.1980586	.382853
%RSD	405.6245	4.309134	8.200657	.7795452	.2519189	21.25616	14.51510
#1	-.011596	54.21783	.4163560	1.286586	398.7867	.8337511	2.392081
#2	-.220315	55.87291	.3680187	1.290545	397.9888	.8018345	2.442018
#3	.5102041	59.00044	.3579414	1.305701	399.9854	1.159725	3.078759
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.7053530	-.608071	7.351479	-1404.33	33.46305	.5786244	136.3894
SDEV	.4509021	.262092	10.41400	4.33	4.03363	.1806297	80.8384
%RSD	63.92574	43.10228	141.6585	.3085326	12.05399	31.21709	59.27033
#1	.1952106	-.317730	11.55330	-1405.18	30.44201	.4319698	104.9901
#2	.8702642	-.827196	-4.50699	-1408.17	31.90352	.5235133	75.96133
#3	1.050584	-.679286	15.00813	-1399.63	38.04361	.7803900	228.2166
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6344647	-2.33520	.5227154	1.298697	.8721953	-.733620	2.339506
SDEV	.6493362	1.00741	.4127908	.308903	.4174563	.750787	1.533888
%RSD	102.3440	43.14033	78.97047	23.78559	47.86271	102.3400	65.56462
#1	-.114807	-1.79199	.0906833	1.366169	.3917780	-1.57059	2.493347
#2	.9849808	-3.49763	.5643539	.9616354	1.078211	-.510799	.7344941
#3	1.033220	-1.71598	.9131088	1.568287	1.146597	-.119466	3.790676
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-3.83535	.1949525	1.207762	-1.72582	-.240819	1.731636	2.081373
SDEV	2.92246	2.946394	1.046933	3.09308	.450945	.413565	1.757103
%RSD	76.19799	1511.339	86.68365	179.2243	187.2547	23.88289	84.42036
#1	-3.49389	-2.32273	1.744447	-5.02792	.1529222	1.970358	.9052227
#2	-6.91354	-.527919	1.877527	-1.25344	-.142601	1.970457	1.237697
#3	-1.09862	3.435508	.0013130	1.103903	-.732778	1.254093	4.101200
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.3612556	.5514343	4733.089
SDEV	.3875503	.0956630	19.146
%RSD	107.2787	17.34804	.4045076
#1	.7238042	.5389596	4737.066
#2	.4071688	.4626206	4712.267
#3	-.047206	.6527227	4749.933
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005066-03 OPERATOR:
RUN TIME: 06/01/10 17:46:25
COMMENT: SDG:1005066 CLIENTID:SDZ-SD26 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.672542	16023.30	29.66984	2.389625	180013.8	.8565690	2.835194
SDEV	.366500	141.44	.54260	.158199	470.3	.1877943	.730791
%RSD	54.49476	.8827032	1.828790	6.620251	.2612332	21.92402	25.77570
#1	-1.05519	15868.04	29.47909	2.232749	179618.3	.7523828	2.002651
#2	-.637755	16057.05	29.24837	2.387011	180533.8	.7439635	3.132265
#3	-.324675	16144.81	30.28205	2.549115	179889.4	1.073361	3.370668
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	70.58764	7.329721	22380.77	4567.988	13941.98	163.2403	41182.42
SDEV	.78035	.062219	127.35	70.743	99.41	.7564	316.11
%RSD	1.105509	.8488607	.5689949	1.548663	.7130097	.4633668	.7675942
#1	69.91022	7.373546	22291.52	4510.138	13858.05	163.7323	40818.08
#2	70.41178	7.258506	22324.19	4546.967	13916.14	162.3693	41383.84
#3	71.44092	7.357112	22526.60	4646.858	14051.76	163.6191	41345.35
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	13.63730	-5.75070	55.99789	71.14000	22.81051	-.360730	12.15859
SDEV	.02553	2.59739	.91571	.58748	.71034	1.575316	.44887
%RSD	.1871809	45.16652	1.635258	.8258107	3.114074	436.7018	3.691759
#1	13.61481	-3.77277	55.70756	71.81095	23.63066	-1.72755	11.82755
#2	13.63205	-4.78716	55.26254	70.71790	22.41046	-.716783	12.66949
#3	13.66505	-8.69218	57.02357	70.89116	22.39042	1.362139	11.97873
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	12.40146	25.31078	21.55924	-25.5209	12.19782	15.64736	.6644834
SDEV	1.26229	2.11559	.23289	2.7020	2.05016	.80374	.7001544
%RSD	10.17860	8.358439	1.080253	10.58750	16.80760	5.136567	105.3682
#1	11.20165	27.68707	21.60250	-24.9150	9.846113	14.78186	.3139720
#2	13.71812	24.61316	21.30775	-28.4745	13.13858	15.78997	.2088092
#3	12.28459	23.63209	21.76747	-23.1733	13.60877	16.37025	1.470669
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.539191	456.4924	4515.222
SDEV	.334497	2.1284	39.854
%RSD	13.17336	.4662412	.8826556
#1	2.430781	454.9861	4549.999
#2	2.914447	458.9273	4523.933
#3	2.272345	455.5638	4471.733
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005066-04 OPERATOR:
RUN TIME: 06/01/10 17:55:07
COMMENT: SDG:1005066 CLIENTID:SDZ-SD27 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.336271	2705.243	14.02156	1.698082	136146.2	.4324383	1.302042
SDEV	.212550	27.580	.18020	.283334	636.4	.1252969	.765679
%RSD	63.20794	1.019497	1.285177	16.68555	.4674636	28.97451	58.80605
#1	-.150742	2726.935	14.07932	2.024243	136143.5	.4333546	2.034921
#2	-.568182	2674.204	13.81956	1.512810	135511.2	.3066858	1.363891
#3	-.289889	2714.591	14.16580	1.557192	136784.0	.5572746	.5073136
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	34.92496	.2300810	7586.015	263.6939	5958.400	59.47428	20167.82
SDEV	.43803	.1621375	41.730	19.5365	51.442	.50427	222.22
%RSD	1.254213	70.46975	.5500888	7.408781	.8633497	.8478835	1.101847
#1	34.42602	.0438250	7615.852	280.0596	6002.495	59.75106	20296.62
#2	35.24632	.3067745	7538.330	242.0649	5901.885	58.89223	19911.22
#3	35.10253	.3396435	7603.864	268.9571	5970.819	59.77954	20295.60
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3.487741	-7.53423	14.94491	24.59628	8.066413	-.578474	12.78481
SDEV	.308252	2.79611	.41836	.42658	1.002174	1.473384	2.30308
%RSD	8.838155	37.11208	2.799372	1.734323	12.42403	254.7018	18.01420
#1	3.366974	-4.43009	15.22503	25.08490	9.088133	-1.16169	14.92162
#2	3.838091	-8.31722	14.46400	24.40586	7.085001	-1.67097	13.08744
#3	3.258158	-9.85537	15.14570	24.29807	8.026104	1.097242	10.34538
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	4.701287	14.13509	5.033648	-25.2252	11.72378	18.28548	-.502061
SDEV	.793560	4.01998	.509957	4.1774	1.43042	.65228	.720339
%RSD	16.87964	28.43971	10.13097	16.56035	12.20099	3.567226	143.4765
#1	5.241573	18.32310	4.474562	-23.6764	10.07612	18.71077	.3199183
#2	3.790202	10.30740	5.473264	-29.9558	12.44762	18.61120	-1.02328
#3	5.072085	13.77477	5.153119	-22.0434	12.64760	17.53449	-.802817
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.8203681	79.33008	4576.266
SDEV	.8206294	.38043	45.616
%RSD	100.0319	.4795577	.9967934
#1	1.648011	79.76386	4524.866
#2	.0069368	79.05316	4611.933
#3	.8061565	79.17321	4591.999
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005066-05 OPERATOR:
RUN TIME: 06/01/10 18:02:15
COMMENT: SDG:1005066 CLIENTID:SDZ-SD29 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.684137	16526.83	30.41594	2.956492	118876.7	.8879712	2.983013
SDEV	.212550	275.63	.87910	.407078	2912.0	.6258695	1.270582
%RSD	31.06831	1.667748	2.890270	13.76897	2.449634	70.48309	42.59391
#1	-.916048	16830.63	31.36853	3.423840	122237.9	1.608514	4.428158
#2	-.637755	16292.78	30.24340	2.766426	117278.8	.5759313	2.479636
#3	-.498609	16457.09	29.63590	2.679209	117113.5	.4794683	2.041246
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	73.30545	5.708198	24139.91	4085.790	10260.51	150.8775	22074.09
SDEV	3.17097	.308482	827.17	91.624	316.46	5.6842	342.00
%RSD	4.325694	5.404195	3.426581	2.242502	3.084210	3.767446	1.549332
#1	76.91872	5.352120	25094.39	4184.973	10625.70	157.4405	22444.68
#2	70.98571	5.878020	23693.50	4004.308	10067.08	147.5203	21770.63
#3	72.01193	5.894454	23631.85	4068.090	10088.73	147.6717	22006.96
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	14.40744	-4.78849	53.96458	58.59819	17.71861	-.905054	12.71171
SDEV	.84241	1.05434	.50643	1.89909	.61110	2.592007	4.01367
%RSD	5.847061	22.01831	.9384462	3.240863	3.448893	286.3926	31.57457
#1	15.21469	-3.71238	54.54793	60.65673	17.96132	-3.81700	16.56750
#2	14.47383	-4.83345	53.70828	58.22337	18.17107	1.150014	8.556890
#3	13.53380	-5.81963	53.63755	56.91445	17.02345	-.048172	13.01073
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	14.18007	20.46559	16.34405	-26.9245	12.08236	16.52331	.3613745
SDEV	1.83436	1.51356	1.63194	5.2018	1.29127	1.02344	2.335897
%RSD	12.93620	7.395623	9.984919	19.31993	10.68724	6.193895	646.3923
#1	15.47915	20.62042	16.63056	-32.7342	10.61707	16.25287	-.554776
#2	12.08168	18.88057	17.81376	-22.6990	13.05390	17.65481	3.016474
#3	14.97938	21.89578	14.58783	-25.3402	12.57612	15.66226	-1.37757
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	10.07037	477.8501	4336.200
SDEV	1.02601	8.7987	77.467
%RSD	10.18836	1.841315	1.786525
#1	10.80418	487.9835	4247.400
#2	10.50898	472.1491	4389.933
#3	8.897967	473.4176	4371.267
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005066-06 OPERATOR:
RUN TIME: 06/01/10 18:09:23
COMMENT: SDG:1005066 CLIENTID:SDZ-SD29D 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.556586	16264.06	31.60925	2.443354	122251.4	1.108467	2.766351
SDEV	.226336	120.79	.12313	.167417	1331.3	.126916	.617532
%RSD	40.66504	.7427049	.3895310	6.851930	1.089014	11.44972	22.32297
#1	-.776902	16322.03	31.69597	2.520721	123688.1	1.174551	3.448333
#2	-.568182	16125.21	31.46832	2.251246	121059.4	.9621446	2.245024
#3	-.324675	16344.94	31.66346	2.558096	122006.5	1.188705	2.605698
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	75.49253	6.064275	24342.06	3868.598	10143.35	154.2463	20949.67
SDEV	1.24882	.298243	257.18	41.706	75.40	1.4791	60.38
%RSD	1.654233	4.918037	1.056515	1.078064	.7433920	.9589529	.2882206
#1	76.85968	6.338182	24635.44	3875.975	10226.68	155.3982	20994.40
#2	74.41180	5.746544	24155.55	3823.695	10079.82	152.5782	20973.61
#3	75.20612	6.108100	24235.18	3906.123	10123.56	154.7624	20880.98
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	14.60337	-5.88175	53.49290	61.20879	18.04641	-.372294	12.65378
SDEV	.22001	1.30445	.19096	1.98192	.94710	2.256040	2.27709
%RSD	1.506603	22.17798	.3569761	3.237971	5.248163	605.9838	17.99534
#1	14.83975	-6.72092	53.69485	63.45665	19.08529	1.776220	15.24058
#2	14.56582	-6.54543	53.31527	59.71290	17.23109	-.170765	10.95237
#3	14.40455	-4.37891	53.46857	60.45681	17.82284	-2.72234	11.76838
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	15.11731	18.99936	17.56768	-25.7764	12.30806	19.13882	-.360912
SDEV	.89532	2.21441	2.45927	.6346	3.23513	.81175	1.356261
%RSD	5.922466	11.65517	13.99881	2.462009	26.28467	4.241398	375.7868
#1	15.15675	16.46920	20.38841	-25.8318	15.55692	20.06876	1.184371
#2	14.20292	19.94455	15.87343	-25.1158	12.28044	18.57212	-1.35382
#3	15.99225	20.58433	16.44119	-26.3814	9.086826	18.77558	-.913286
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	9.808807	488.8312	4596.022
SDEV	.040290	2.8648	12.059
%RSD	.4107543	.5860429	.2623801
#1	9.844769	491.7318	4596.933
#2	9.816389	488.7580	4607.600
#3	9.765265	486.0037	4583.533
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005066-07 OPERATOR:
RUN TIME: 06/01/10 18:16:32
COMMENT: SDG:1005066 CLIENTID:SDZ-SD17 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.649351	36158.58	52.41657	3.177556	56266.29	1.305983	4.359830
SDEV	.212550	117.80	.86726	.240489	930.48	.321681	.541516
%RSD	32.73269	.3257777	1.654548	7.568352	1.653713	24.63134	12.42059
#1	-.602969	36046.36	51.41577	3.009680	57091.23	1.204698	4.969940
#2	-.881262	36148.11	52.88640	3.069927	56449.96	1.047133	3.936181
#3	-.463822	36281.26	52.94754	3.453061	55257.66	1.666116	4.173368
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	120.9235	19.05837	45752.84	9973.446	18599.59	233.9397	51213.55
SDEV	.4985	.20592	327.85	216.110	69.08	1.1250	293.20
%RSD	.4122753	1.080473	.7165721	2.166854	.3714296	.4808790	.5725083
#1	121.4755	19.25558	46106.50	9793.807	18679.16	235.0037	51087.09
#2	120.7892	19.07480	45692.97	9913.264	18564.77	234.0530	51004.81
#3	120.5059	18.84472	45459.04	10213.27	18554.85	232.7624	51548.76
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	30.36833	-3.85469	108.2790	124.1457	39.02388	.6678323	13.95682
SDEV	.48703	1.41455	1.1451	2.2191	.58493	1.261288	1.41285
%RSD	1.603749	36.69701	1.057576	1.787511	1.498901	188.8630	10.12303
#1	30.00168	-2.22918	108.9154	125.9864	39.28549	-.252205	15.30521
#2	30.92095	-4.80619	108.9646	124.7693	39.43235	2.105601	12.48730
#3	30.18236	-4.52870	106.9570	121.6816	38.35381	.1501012	14.07794
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	27.82270	39.24377	38.91077	-23.6640	12.81285	17.59990	-1.02588
SDEV	1.44631	1.54537	1.11236	.3291	2.04977	1.11634	.68053
%RSD	5.198294	3.937864	2.858757	1.390862	15.99776	6.342899	66.33613
#1	27.00366	37.67077	40.08834	-23.5116	11.35745	16.46272	-1.35517
#2	29.49265	40.75993	38.76623	-24.0417	15.15700	18.69418	-.243338
#3	26.97179	39.30062	37.87774	-23.4387	11.92411	17.64278	-1.47912
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	11.61967	729.8675	4540.866
SDEV	.90802	8.3250	54.909
%RSD	7.814541	1.140615	1.209228
#1	12.33951	737.4791	4593.667
#2	11.91996	731.1464	4544.866
#3	10.59953	720.9771	4484.066
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005066-09 OPERATOR:
RUN TIME: 06/01/10 18:23:40
COMMENT: SDG:1005066 CLIENTID:SDZ-SD23 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.487013	2463.357	11.03558	1.975642	101185.5	.5130493	1.410127
SDEV	.452672	10.946	.03960	.146550	578.2	.3920363	.409824
%RSD	92.94868	.4443680	.3588006	7.417829	.5714535	76.41300	29.06287
#1	-.046382	2450.936	10.99593	2.063652	101791.1	.9115288	1.865331
#2	-.950835	2467.539	11.03571	1.806467	101126.2	.1277905	1.070509
#3	-.463822	2471.597	11.07512	2.056807	100639.2	.4998286	1.294543
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	35.25381	.0931285	7458.101	488.7850	6097.233	56.11590	25887.95
SDEV	.62765	.4788578	67.443	12.0632	21.015	.59670	169.48
%RSD	1.780370	514.1902	.9042916	2.468001	.3446626	1.063338	.6546819
#1	35.80568	.6190280	7479.762	477.7140	6091.970	56.16473	26018.57
#2	34.57103	-.021912	7382.489	486.9998	6079.350	55.49628	25696.43
#3	35.38472	-.317730	7512.053	501.6414	6120.379	56.68669	25948.85
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3.527476	L-10.4742	12.96153	23.05066	9.853177	-.248227	11.86963
SDEV	.660908	3.0705	.84382	.78322	1.745479	.961656	.34137
%RSD	18.73602	29.31463	6.510153	3.397841	17.71489	387.4094	2.875984
#1	2.898102	L-13.0710	13.76801	23.48501	7.838793	-1.01033	11.47987
#2	3.468377	L-11.2662	12.08478	22.14650	10.80214	-.566593	12.11548
#3	4.215949	-7.08526	13.03181	23.52046	10.91859	.8322396	12.01354
ERRORS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	5.962892	13.30740	8.125612	-27.0486	13.12915	16.20692	-1.03085
SDEV	.963742	2.58910	2.905613	5.2764	3.10785	2.10892	1.58414
%RSD	16.16233	19.45607	35.75870	19.50727	23.67135	13.01246	153.6728
#1	5.514277	13.37338	5.072625	-22.2804	9.606059	15.23546	.5514516
#2	7.069162	10.68595	10.85711	-32.7173	15.48196	14.75882	-2.61683
#3	5.305237	15.86288	8.447101	-26.1480	14.29941	18.62650	-1.02719
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.132602	92.16327	4473.733
SDEV	.634934	.66169	24.833
%RSD	478.8258	.7179593	.5550746
#1	.1660664	92.73898	4501.333
#2	.2979245	92.31044	4466.667
#3	-.861798	91.44038	4453.200
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005066-10 OPERATOR:
RUN TIME: 06/01/10 18:30:49
COMMENT: SDG:1005066 CLIENTID:SDZ-SD23D 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0231911	2630.242	16.70110	1.618187	102258.7	.7002698	1.611245
SDEV	.6347967	20.800	.19173	.133181	379.7	.1935326	.439127
%RSD	2737.243	.7908041	1.148008	8.230264	.3713150	27.63687	27.25390
#1	.7537106	2627.926	16.86090	1.726057	102317.3	.7584271	2.116607
#2	-.394249	2610.697	16.48850	1.469330	101853.1	.4843270	1.322657
#3	-.289889	2652.103	16.75389	1.659174	102605.6	.8580551	1.394471
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	38.90429	-.180777	7907.452	172.1210	5439.544	60.71173	18974.34
SDEV	.93497	.066419	73.799	15.7315	44.715	.79887	183.92
%RSD	2.403261	36.74064	.9332830	9.139769	.8220318	1.315839	.9692924
#1	37.83735	-.251993	7859.767	174.1887	5417.181	60.14947	19072.38
#2	39.29491	-.120518	7870.133	155.4580	5410.423	60.35955	18762.17
#3	39.58061	-.169821	7992.458	186.7164	5491.029	61.62618	19088.46
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3.923819	L-10.9598	14.48039	24.17517	8.781579	.7581502	12.79517
SDEV	.884329	3.1903	.88342	.89318	1.456542	.8505684	1.36817
%RSD	22.53745	29.10937	6.100778	3.694604	16.58633	112.1900	10.69286
#1	3.791022	L-12.1494	15.30495	23.16172	9.016831	.9051616	14.11084
#2	3.113398	-7.34556	13.54801	24.51622	7.221730	-.156341	11.37994
#3	4.867036	L-13.3843	14.58820	24.84757	10.10618	1.525630	12.89473
ERRORS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	6.059393	16.80878	4.771015	-22.2664	12.25050	18.49526	.4950218
SDEV	2.311347	4.78638	2.748642	4.9499	2.82278	4.09258	1.573480
%RSD	38.14487	28.47551	57.61125	22.23055	23.04215	22.12770	317.8607
#1	3.433057	22.27871	2.392823	-16.6509	9.667344	23.01900	2.002254
#2	6.961348	13.38876	4.139896	-24.1514	11.82059	17.41707	.6200575
#3	7.783773	14.75884	7.780326	-25.9969	15.26358	15.04973	-1.13725
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.0662700	89.70412	4561.267
SDEV	.7067819	.72949	60.574
%RSD	1066.518	.8132212	1.328013
#1	.8453966	89.38623	4522.466
#2	-.112908	89.18751	4631.066
#3	-.533678	90.53861	4530.267
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005066-11 OPERATOR:
RUN TIME: 06/01/10 18:37:57
COMMENT: SDG:1005066 CLIENTID:SDZ-SD22 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.150742	2551.179	14.98710	2.482430	239552.6	.7067484	1.077000
SDEV	.092037	32.650	.07627	.206533	3395.0	.2419060	.262880
%RSD	61.05580	1.279806	.5089268	8.319802	1.417239	34.22803	24.40859
#1	-.185529	2587.894	15.04704	2.720213	235995.1	.5175221	.9197779
#2	-.046382	2525.402	15.01301	2.347717	239905.0	.6234189	.9307392
#3	-.220315	2540.242	14.90125	2.379360	242757.7	.9793042	1.380482
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	32.99010	-.602592	11417.56	295.0060	7258.396	84.16989	22690.78
SDEV	.84160	.345252	91.33	29.6536	12.418	.15734	151.47
%RSD	2.551064	57.29443	.7999284	10.05187	.1710797	.1869332	.6675460
#1	32.12620	-.942235	11356.40	329.2468	7269.640	83.99013	22827.63
#2	33.03663	-.251993	11373.73	277.9996	7245.068	84.28263	22528.03
#3	33.80747	-.613549	11522.54	277.7716	7260.479	84.23690	22716.68
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3.189737	-7.92173	20.39031	21.86166	9.660073	-1.59920	12.07508
SDEV	1.891860	3.14882	.58564	1.08381	.716007	2.25768	.42528
%RSD	59.31086	39.74910	2.872127	4.957580	7.412026	141.1757	3.521947
#1	1.071793	-5.20750	20.81714	20.61479	8.926747	-3.53904	11.59950
#2	3.785168	L-11.3740	19.72266	22.39216	9.696069	-2.13757	12.20691
#3	4.712250	-7.18367	20.63114	22.57803	10.35740	.8789994	12.41883
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	16.51657	18.01163	5.487408	-26.2891	10.72446	20.69869	2.275497
SDEV	2.32973	2.62940	2.320291	2.4643	2.43631	.57283	1.513754
%RSD	14.10540	14.59832	42.28392	9.373765	22.71734	2.767457	66.52410
#1	14.69400	21.04774	2.872121	-27.0602	8.201073	20.66918	1.005334
#2	15.71428	16.50997	6.291112	-28.2756	10.90911	21.28569	1.870644
#3	19.14142	16.47719	7.298991	-23.5315	13.06319	20.14118	3.950514
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.0409615	75.57861	4330.155
SDEV	.3140022	.40817	84.861
%RSD	766.5796	.5400643	1.959764
#1	-.321612	75.12134	4232.267
#2	.2239215	75.90614	4375.267
#3	.2205748	75.70836	4382.933
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005066-12 OPERATOR:
RUN TIME: 06/01/10 18:45:05
COMMENT: SDG:1005066 CLIENTID:SDZ-SD05 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.487013	41141.71	62.90004	3.328912	131190.6	2.222100	6.484615
SDEV	.265687	221.32	.19446	.178686	107.4	.317615	.629634
%RSD	54.55447	.5379458	.3091635	5.367703	.0818371	14.29346	9.709654
#1	-.255102	41393.86	63.02720	3.417772	131127.9	2.303667	7.006805
#2	-.429035	40979.60	62.67618	3.123217	131129.3	1.871657	5.785425
#3	-.776902	41051.68	62.99674	3.445749	131314.5	2.490977	6.661614
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	147.6068	15.89749	62790.11	12107.51	22532.15	345.5974	44077.86
SDEV	1.7690	.23492	593.86	117.33	157.08	2.5681	244.90
%RSD	1.198444	1.477725	.9457825	.9691078	.6971495	.7431030	.5556021
#1	146.8207	15.95228	62507.86	12124.33	22485.78	344.1419	44154.07
#2	146.3671	16.10018	62390.02	11982.67	22403.48	344.0875	43803.91
#3	149.6326	15.64002	63472.46	12215.53	22707.20	348.5626	44275.58
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	38.75816	-5.75185	142.0368	130.4860	32.98124	-1.22142	10.02774
SDEV	.27233	2.90545	.3176	1.4312	1.41687	2.71429	.66439
%RSD	.7026411	50.51321	.2235961	1.096812	4.295993	222.2243	6.625484
#1	38.44370	-7.20575	141.9468	130.3064	32.17484	-3.15776	9.692672
#2	38.91608	-7.64335	141.7740	129.1530	34.61725	-2.38758	10.79295
#3	38.91470	-2.40646	142.3897	131.9984	32.15165	1.881072	9.597617
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	46.39291	32.84750	33.04474	-20.6863	8.493822	20.70645	-.511098
SDEV	.52395	2.14351	1.07669	3.4660	2.385924	2.22081	.965111
%RSD	1.129382	6.525646	3.258271	16.75481	28.09011	10.72519	188.8312
#1	46.99315	31.95281	32.28238	-22.5639	6.528139	23.18468	-1.57748
#2	46.02714	35.29341	34.27642	-22.8084	7.804928	20.03811	-.258184
#3	46.15844	31.29626	32.57541	-16.6867	11.14840	18.89657	.3023745
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	32.50738	1064.742	4611.155
SDEV	1.05447	2.587	34.328
%RSD	3.243779	.2429400	.7444606
#1	31.29079	1066.480	4587.533
#2	33.07285	1065.976	4650.533
#3	33.15851	1061.769	4595.400
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005066-13 OPERATOR:
RUN TIME: 06/01/10 18:52:13
COMMENT: SDG:1005066 CLIENTID:SDZ-SD28 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.115955	2620.910	14.52402	2.273764	112748.5	.4864181	1.446331
SDEV	.184074	112.414	.39917	.152797	4461.6	.5229845	.916013
%RSD	158.7451	4.289124	2.748355	6.720009	3.957118	107.5175	63.33360
#1	-.324675	2747.840	14.93769	2.439184	117888.6	1.089427	2.406390
#2	-.046382	2580.970	14.49325	2.244197	109878.3	.1566683	.5818596
#3	.0231911	2533.919	14.14113	2.137911	110478.6	.2131588	1.350743
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	35.74416	-.071215	7186.102	307.0650	5552.952	54.36115	20550.23
SDEV	1.74051	.441286	228.127	40.1201	178.194	1.99718	600.90
%RSD	4.869353	619.6546	3.174559	13.06568	3.208989	3.673919	2.924058
#1	36.96805	.0109570	7442.678	349.3462	5758.648	56.63039	21242.47
#2	33.75166	-.547811	7006.154	302.3209	5445.627	52.87064	20245.19
#3	36.51278	.3232095	7109.476	269.5278	5454.582	53.58242	20163.03
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	4.196035	-9.67479	13.77612	23.48901	8.341748	-.652703	14.72905
SDEV	.587853	2.97106	.50978	1.61438	.355137	1.973391	2.13284
%RSD	14.00973	30.70932	3.700481	6.872911	4.257340	302.3414	14.48049
#1	3.779209	-6.33934	14.24867	24.93049	7.993714	-1.83518	16.22654
#2	3.940483	L-12.0377	13.23587	21.74464	8.327947	1.625421	12.28704
#3	4.868412	L-10.6473	13.84383	23.79190	8.703585	-1.74835	15.67356
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	8.490423	15.10628	4.961451	-27.0014	12.49915	19.47521	-1.08614
SDEV	3.884165	1.80156	.638683	4.2997	3.37423	1.52092	1.95728
%RSD	45.74760	11.92592	12.87292	15.92384	26.99568	7.809542	180.2053
#1	6.078591	13.07497	5.453683	-31.5945	13.01931	17.76740	.6422049
#2	6.421581	16.51047	4.239733	-26.3373	15.58309	19.97452	-3.21149
#3	12.97110	15.73341	5.190937	-23.0724	8.895041	20.68371	-.689134
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.3767707	85.06103	4393.578
SDEV	.7286590	2.84356	143.317
%RSD	193.3959	3.342963	3.261968
#1	.2875377	88.34098	4241.066
#2	1.145937	83.28973	4414.200
#3	-.303162	83.55236	4525.466
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV OPERATOR:
RUN TIME: 06/01/10 18:59:22
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	107.5487	45155.10	901.8491	1000.863	48620.15	1044.984	983.6241
SDEV	.2972	191.30	17.2134	2.782	162.68	12.375	2.7050
%RSD	.2763580	.4236583	1.908673	.2780056	.3345959	1.184199	.2750037
#1	107.5835	45310.58	921.7199	1003.878	48804.25	1053.238	980.5436
#2	107.2356	45213.25	Q891.5102	1000.316	48560.42	1050.959	985.6111
#3	107.8270	44941.47	Q892.3172	998.3945	48495.78	1030.756	984.7178
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1011.790	1017.341	24431.53	50688.70	48638.65	964.7023	48217.68
SDEV	4.289	1.071	155.87	477.30	331.04	2.2337	350.78
%RSD	.4239179	.1052679	.6379727	.9416257	.6806070	.2315467	.7274976
#1	1016.742	1017.429	24533.95	50967.45	48819.92	966.3801	48483.31
#2	1009.350	1016.229	24508.47	50961.07	48839.46	965.5599	48349.68
#3	1009.277	1018.365	24252.15	50137.57	48256.57	962.1668	47820.04
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1024.076	1028.276	957.9110	Q1217.412	1010.269	1035.433	1010.386
SDEV	9.833	12.821	3.8351	6.307	4.022	10.817	9.790
%RSD	.9601444	1.246807	.4003582	.5181006	.3980687	1.044700	.9689304
#1	1033.907	1025.338	955.3563	Q1220.102	1014.072	1042.601	1019.672
#2	1024.081	1042.310	962.3209	Q1221.930	1010.676	1040.707	1011.327
#3	1014.241	1017.179	956.0558	1210.206	1006.059	1022.990	1000.160
ERRORS	QC PASS	QC PASS	QC PASS	QC FAIL	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1041.872	1008.522	1011.138	1066.003	1020.168	1068.064	989.8440
SDEV	12.027	.660	5.700	9.227	11.644	9.657	5.9147
%RSD	1.154337	.0654465	.5637167	.8655682	1.141390	.9041775	.5975414
#1	1049.747	1009.159	1016.520	1072.971	1027.437	1069.099	994.6392
#2	1047.841	1008.565	1011.727	1069.500	1026.330	1077.162	991.6582
#3	1028.029	1007.841	1005.166	1055.539	1006.738	1057.931	983.2347
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	991.0175	956.3286	4698.822
SDEV	8.6968	1.3681	38.713
%RSD	.8775659	.1430556	.8238903
#1	998.4447	956.4733	4678.466
#2	993.1573	957.6187	4674.533
#3	981.4505	954.8940	4743.466
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB OPERATOR:
RUN TIME: 06/01/10 19:06:37
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.324675	66.90070	.1463309	1.854518	377.4672	.3842120	.9354935
SDEV	.069573	12.96104	.0549495	.383530	.8925	.1090582	.5281805
%RSD	21.42857	19.37355	37.55152	20.68083	.2364474	28.38490	56.46009
#1	-.394249	55.78375	.0942399	1.561448	377.5735	.2936883	.3686532
#2	-.255102	63.78169	.1410023	1.713515	376.5263	.3536597	1.413833
#3	-.324675	81.13666	.2037506	2.288590	378.3019	.5052880	1.023994
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4220731	-1.41335	-3.40307	-1430.49	13.51141	.2241790	-15.0258
SDEV	.4313975	.25104	11.19941	3.34	2.47639	.1365726	57.8238
%RSD	102.2092	17.76191	329.0971	.2338125	18.32813	60.92122	384.8315
#1	.9162207	-1.13945	4.828594	-1430.84	15.30769	.3710925	-38.0641
#2	.1205247	-1.46813	-16.1564	-1433.64	10.68647	.1010796	-57.7792
#3	.2294740	-1.63248	1.118599	-1426.98	14.54006	.2003649	50.76608
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2531835	-.334543	-.243115	1.082653	.8173214	.3210748	.2494303
SDEV	.7823064	1.712745	.249671	.486196	1.799437	1.479375	.5593367
%RSD	308.9878	511.9663	102.6964	44.90777	220.1627	460.7571	224.2457
#1	.3550646	-1.57124	.0018351	1.644040	-1.11924	-1.23140	.8451731
#2	.9795579	1.620380	-.497253	.7974992	2.437726	.4801248	.1676038
#3	-.575072	-1.05277	-.233928	.8064212	1.133480	1.714498	-.264486
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-3.79425	-2.38764	2.414665	-4.88714	2.918587	2.626363	-.810417
SDEV	1.23585	5.05593	2.912930	2.69857	.926696	1.361241	2.153076
%RSD	32.57158	211.7545	120.6349	55.21782	31.75153	51.82986	265.6750
#1	-4.23719	-6.40868	1.518830	-7.90892	2.099679	1.074073	-3.16035
#2	-2.39798	-4.04262	5.670299	-4.03497	2.731545	3.188565	-.338367
#3	-4.74760	3.288381	.0548665	-2.71753	3.924537	3.616452	1.067467
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.087249	.1693298	4421.911
SDEV	1.083007	.1026680	81.571
%RSD	1241.282	60.63201	1.844708
#1	.9655068	.0627468	4509.933
#2	-.029090	.1776681	4406.933
#3	-1.19816	.2675744	4348.866
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005066-14 OPERATOR:
RUN TIME: 06/01/10 19:13:46
COMMENT: SDG:1005066 CLIENTID:SDZ-SD08 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.927644	57290.98	83.67861	3.935425	278915.4	2.876337	8.147878
SDEV	.323223	245.24	.57004	.211977	2171.3	.112867	.248135
%RSD	34.84340	.4280536	.6812210	5.386375	.7784935	3.923984	3.045390
#1	-1.19434	57521.34	84.27595	4.136309	276417.9	2.957499	8.079750
#2	-1.02041	57033.18	83.61936	3.956094	279972.8	2.924066	8.422959
#3	-.568182	57318.42	83.14051	3.713870	280355.5	2.747447	7.940923
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	167.3142	32.62219	66641.62	13559.68	27281.34	475.3137	43285.44
SDEV	1.7152	.28003	289.49	181.94	69.05	2.6416	198.41
%RSD	1.025154	.8583989	.4343941	1.341796	.2530939	.5557654	.4583657
#1	165.4260	32.60027	66361.56	13758.38	27313.64	472.9055	43474.17
#2	168.7760	32.35376	66939.70	13519.42	27328.32	478.1391	43303.54
#3	167.7407	32.91253	66623.60	13401.24	27202.06	474.8965	43078.60
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	41.13534	.3996099	166.1429	184.4395	62.66393	-.880601	10.22587
SDEV	.86291	2.923942	1.1176	1.6719	1.70206	1.773185	.87853
%RSD	2.097740	731.6992	.6726641	.9065013	2.716169	201.3607	8.591209
#1	40.30482	-2.27307	165.9545	182.5095	60.77207	-.236578	9.642889
#2	42.02736	3.522575	165.1315	185.4453	64.07099	-2.88580	11.23632
#3	41.07383	-.050678	167.3427	185.3638	63.14874	.4805719	9.798396
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	40.41133	62.51139	62.73654	-19.3322	8.328712	18.02356	.1677444
SDEV	.47767	1.78285	1.71116	2.3508	2.502517	.87473	1.208143
%RSD	1.182022	2.852043	2.727538	12.16025	30.04687	4.853239	720.2282
#1	40.22250	60.75271	60.77838	-21.4477	10.35039	17.04052	-.688228
#2	40.05694	64.31747	63.94427	-19.7476	5.529800	18.31415	1.549718
#3	40.95455	62.46400	63.48696	-16.8014	9.105940	18.71600	-.358257
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	9.306032	1099.490	4545.800
SDEV	.937124	5.064	31.507
%RSD	10.07007	.4605731	.6931066
#1	9.493037	1101.611	4517.133
#2	8.289505	1093.710	4540.733
#3	10.13555	1103.148	4579.533
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005066-15 OPERATOR:
RUN TIME: 06/01/10 19:20:54
COMMENT: SDG:1005066 CLIENTID:SDZ-SD07 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.707328	22758.79	41.30499	2.619733	163125.1	1.064637	2.960091
SDEV	.217243	27.98	.53486	.066572	2293.2	.231612	.585382
%RSD	30.71311	.1229469	1.294904	2.541193	1.405774	21.75505	19.77581
#1	-.533395	22730.59	40.72269	2.542882	164990.4	.9465311	3.266007
#2	-.950835	22786.55	41.41790	2.659706	163820.0	1.331494	3.329132
#3	-.637755	22759.25	41.77439	2.656611	160564.8	.9158864	2.285133
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	81.91136	15.20725	27184.12	5617.566	13436.57	178.4317	33323.98
SDEV	1.86413	.13385	322.45	60.526	138.67	2.5785	89.15
%RSD	2.275794	.8801764	1.186153	1.077444	1.032070	1.445103	.2675113
#1	82.80272	15.36064	27381.06	5549.788	13495.32	179.6070	33270.38
#2	83.16248	15.14699	27359.28	5636.690	13536.20	180.2131	33274.68
#3	79.76889	15.11412	26812.00	5666.220	13278.19	175.4749	33426.89
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	16.65445	-7.76023	66.95145	86.45385	28.87707	-.554842	10.94326
SDEV	.59983	3.49276	.63317	1.04095	.50406	.830168	1.65638
%RSD	3.601649	45.00853	.9457158	1.204054	1.745521	149.6225	15.13609
#1	16.36131	-7.56402	67.14803	87.46233	28.47236	-.067841	12.29329
#2	17.34449	L-11.3470	67.46302	86.51599	29.44168	-.083288	11.44155
#3	16.25756	-4.36971	66.24331	85.38322	28.71717	-1.51340	9.094929
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	13.67703	30.68494	27.97111	-24.1035	11.19914	17.06365	-1.21208
SDEV	1.30005	.66279	.98080	4.2561	.88843	.72806	1.25106
%RSD	9.505373	2.159988	3.506476	17.65744	7.932980	4.266716	103.2159
#1	14.98942	30.52969	27.44187	-21.9272	10.84276	16.23138	-2.04045
#2	13.65198	30.11356	29.10285	-21.3757	10.54424	17.58257	.2270447
#3	12.38968	31.41158	27.36860	-29.0077	12.21043	17.37699	-1.82283
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	4.049800	664.1989	4473.622
SDEV	.715321	.9599	27.149
%RSD	17.66311	.1445171	.6068606
#1	4.435500	663.4490	4504.133
#2	3.224407	665.2807	4452.133
#3	4.489493	663.8670	4464.600
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005066-16 OPERATOR:
RUN TIME: 06/01/10 19:28:02
COMMENT: SDG:1005066 CLIENTID:SDZ-SD06 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.544991	17771.67	36.38909	2.190759	147747.2	.8129210	3.090320
SDEV	.341429	53.22	.43210	.176204	884.3	.1668784	.741506
%RSD	62.64865	.2994544	1.187456	8.043068	.5985236	20.52824	23.99449
#1	-.150742	17770.17	36.87944	2.380852	147840.6	.9579728	3.944148
#2	-.742115	17719.22	36.06403	2.158534	146820.0	.8502512	2.718764
#3	-.742115	17825.62	36.22380	2.032892	148581.2	.6305389	2.608047
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	75.27762	7.647451	24131.86	3652.524	10515.40	166.1979	20288.30
SDEV	.50866	.380601	108.36	6.212	33.83	.6745	123.14
%RSD	.6757109	4.976839	.4490503	.1700723	.3216853	.4058355	.6069475
#1	75.80997	7.225636	24237.14	3654.888	10546.83	166.7068	20421.60
#2	75.22635	7.751535	24020.65	3645.477	10479.60	165.4329	20178.79
#3	74.79653	7.965183	24137.80	3657.207	10519.76	166.4542	20264.50
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	13.83746	-9.17006	60.08280	68.14109	23.54944	-.459089	11.18800
SDEV	.95291	3.37088	.43624	.70942	1.19956	1.396294	.86167
%RSD	6.886446	36.75962	.7260682	1.041099	5.093801	304.1444	7.701746
#1	14.66605	L-12.1102	60.52341	68.77008	24.84267	.9147517	10.21422
#2	12.79618	-5.49102	60.07393	67.37212	23.33250	-1.87680	11.85178
#3	14.05014	-9.90899	59.65107	68.28107	22.47315	-.415217	11.49800
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	10.82769	27.38073	21.63353	-21.1533	9.869884	20.12900	.0873408
SDEV	.61431	1.89819	.93095	2.2867	1.894182	.22990	2.539266
%RSD	5.673520	6.932587	4.303261	10.81009	19.19153	1.142137	2907.307
#1	10.22181	29.11616	22.70583	-18.9241	10.81667	20.39286	2.952347
#2	10.81116	27.67247	21.16287	-21.0422	7.688973	19.97187	-.805091
#3	11.45010	25.35355	21.03188	-23.4934	11.10401	20.02226	-1.88523
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	8.233232	672.7437	4662.578
SDEV	.534028	4.6210	57.786
%RSD	6.486248	.6868852	1.239364
#1	8.040621	670.5834	4596.066
#2	8.836845	669.5985	4691.200
#3	7.822229	678.0491	4700.466
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005066-17 OPERATOR:
RUN TIME: 06/01/10 19:35:10
COMMENT: SDG:1005066 CLIENTID:SDZ-SD09 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.684137	35051.94	55.18090	2.729809	83371.15	1.178762	4.041662
SDEV	.164395	241.15	.51283	.141999	990.29	.240096	.592695
%RSD	24.02957	.6879895	.9293523	5.201797	1.187805	20.36847	14.66463
#1	-.811688	34773.86	55.58808	2.876692	83558.38	1.429699	4.484697
#2	-.498609	35178.48	54.60496	2.593259	84254.45	1.155367	4.271894
#3	-.742115	35203.48	55.34965	2.719476	82300.61	.9512205	3.368396
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	116.1896	17.17390	43742.10	9159.208	18355.49	268.1489	52003.43
SDEV	1.6922	.09630	468.47	96.882	115.67	2.3383	325.52
%RSD	1.456443	.5607158	1.070993	1.057753	.6301601	.8720097	.6259593
#1	116.5732	17.13555	44070.16	9082.403	18413.71	269.5816	51701.25
#2	117.6571	17.10268	43950.56	9127.170	18430.48	269.4145	51960.92
#3	114.3385	17.28346	43205.57	9268.051	18222.28	265.4506	52348.12
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	28.06522	-5.95316	117.0016	128.3694	37.40186	-1.39809	11.36927
SDEV	1.87026	1.73960	1.3368	2.2932	1.58007	.23882	2.96206
%RSD	6.663963	29.22154	1.142532	1.786395	4.224582	17.08218	26.05323
#1	25.96952	-7.74054	117.1096	129.7877	35.57735	-1.13859	9.283064
#2	28.66154	-4.26564	118.2811	129.5966	38.31623	-1.44703	10.06512
#3	29.56460	-5.85329	115.6141	125.7237	38.31200	-1.60865	14.75963
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	26.34452	37.46925	37.36493	-19.9223	7.847498	17.29905	-1.68585
SDEV	2.41573	2.82975	3.77220	2.1316	1.124357	1.71617	.69192
%RSD	9.169767	7.552204	10.09556	10.69981	14.32759	9.920626	41.04270
#1	24.97134	40.70250	33.01535	-19.0997	7.825888	18.52183	-1.46204
#2	29.13385	36.26141	39.33882	-22.3427	8.982505	18.03815	-1.13353
#3	24.92836	35.44385	39.74063	-18.3245	6.734102	15.33715	-2.46197
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	25.75510	835.8707	4607.578
SDEV	.45258	5.8124	18.373
%RSD	1.757240	.6953685	.3987564
#1	25.83987	834.7630	4624.933
#2	26.15930	842.1573	4609.466
#3	25.26613	830.6920	4588.333
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005066-18 OPERATOR:
RUN TIME: 06/01/10 19:42:18
COMMENT: SDG:1005066 CLIENTID:SDZ-SD09D 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.672542	39317.72	56.78899	3.389379	93437.46	1.710557	4.715541
SDEV	.376275	512.62	.27802	.323481	1042.70	.167827	.384355
%RSD	55.94821	1.303777	.4895738	9.543954	1.115929	9.811253	8.150810
#1	-1.08998	39727.67	57.00142	3.726594	92857.88	1.801114	5.024049
#2	-.568182	38742.98	56.47432	3.359891	92813.31	1.516902	4.284980
#3	-.359462	39482.52	56.89121	3.081652	94641.19	1.813655	4.837595
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	125.0312	18.97072	48056.46	10242.58	19664.47	294.6211	51728.74
SDEV	2.0892	.33734	446.05	148.54	125.51	3.1925	427.80
%RSD	1.670913	1.778198	.9281834	1.450257	.6382493	1.083583	.8270015
#1	124.0925	18.59821	47945.52	10413.82	19715.86	293.0531	52222.44
#2	123.5761	19.05837	47676.35	10165.57	19521.42	292.5159	51467.52
#3	127.4251	19.25558	48547.51	10148.36	19756.12	298.2944	51496.26
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	29.92528	-1.44835	122.8149	126.6905	38.90428	.1619608	10.47627
SDEV	.68070	2.34523	2.3133	2.0063	1.13066	1.277622	1.83820
%RSD	2.274670	161.9237	1.883582	1.583630	2.906271	788.8464	17.54635
#1	29.13940	-3.86681	122.6142	124.4615	37.74548	1.109239	8.901276
#2	30.33052	.8160553	120.6085	127.2582	40.00453	-1.29113	10.03148
#3	30.30592	-1.29431	125.2221	128.3518	38.96284	.6677682	12.49606
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	26.45546	39.54419	38.58147	-21.8135	11.13057	18.37341	1.336786
SDEV	1.12033	2.38840	.68377	3.3865	3.42624	2.62088	1.296343
%RSD	4.234771	6.039825	1.772270	15.52468	30.78223	14.26452	96.97461
#1	25.25270	36.81782	38.20520	-25.6138	14.44800	21.24552	2.287818
#2	26.64431	41.26740	39.37073	-19.1154	7.605017	16.11136	1.862348
#3	27.46936	40.54736	38.16847	-20.7114	11.33869	17.76336	-.139809
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	23.14622	887.7156	4534.578
SDEV	.74944	3.4729	83.575
%RSD	3.237851	.3912191	1.843071
#1	23.71518	890.8462	4438.933
#2	22.29705	883.9799	4571.267
#3	23.42644	888.3209	4593.533
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005066-19 OPERATOR:
RUN TIME: 06/01/10 19:49:26
COMMENT: SDG:1005066 CLIENTID:SDZ-SD03 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.672542	30681.93	46.40099	2.710187	685867.1	2.371264	7.116086
SDEV	.363183	157.67	.22661	.186718	2422.7	.094049	.392564
%RSD	54.00159	.5138901	.4883731	6.889483	.3532294	3.966196	5.516569
#1	-1.08998	30737.38	46.14599	2.871853	683961.0	2.429668	7.081435
#2	-.429035	30804.39	46.57932	2.752893	685046.9	2.262772	7.524827
#3	-.498609	30504.03	46.47766	2.505816	688593.4	2.421352	6.741997
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	88.16257	15.90845	37349.60	7550.421	17347.13	262.9175	39457.28
SDEV	.93022	.28291	186.40	68.394	94.06	2.6456	76.14
%RSD	1.055114	1.778342	.4990595	.9058261	.5422510	1.006251	.1929803
#1	87.15992	15.70576	37146.67	7593.919	17284.43	260.0828	39510.69
#2	88.99754	15.78793	37513.18	7585.757	17455.29	263.3487	39491.06
#3	88.33024	16.23166	37388.94	7471.588	17301.66	265.3210	39370.09
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	21.02843	-5.56432	83.20875	134.7728	34.04250	.1388742	16.37937
SDEV	1.17968	.80007	.43566	.6608	1.80005	1.323230	2.17337
%RSD	5.609930	14.37860	.5235804	.4903408	5.287641	952.8259	13.26894
#1	21.89063	-6.06075	82.95770	134.1294	35.81770	1.568421	17.51562
#2	21.51062	-5.99086	83.71181	134.7391	34.09119	-1.04305	13.87340
#3	19.68404	-4.64136	82.95673	135.4498	32.21860	-.108745	17.74909
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	21.22997	38.35876	31.88411	-31.7318	16.04753	15.46475	-1.19203
SDEV	1.92134	4.49296	.48481	4.0992	.85961	3.03125	1.31336
%RSD	9.050138	11.71299	1.520525	12.91823	5.356663	19.60103	110.1783
#1	21.53997	42.96138	32.24770	-28.3989	16.52679	13.24088	-2.68415
#2	19.17247	38.13076	32.07095	-36.3089	16.56067	14.23590	-.211214
#3	22.97745	33.98415	31.33368	-30.4876	15.05513	18.91747	-.680738
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	7.079352	665.6741	4346.200
SDEV	.732738	2.4643	32.986
%RSD	10.35036	.3701956	.7589719
#1	7.751670	663.1547	4311.533
#2	7.188049	668.0793	4349.866
#3	6.298337	665.7883	4377.200
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005066-20 OPERATOR:
RUN TIME: 06/01/10 19:56:34
COMMENT: SDG:1005066 CLIENTID:SDZ-SD02 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.139147	39512.41	50.98189	3.249191	5632.832	1.627067	1.728374
SDEV	.053137	441.78	.42591	.164667	45.784	.236164	.523509
%RSD	38.18813	1.118090	.8354198	5.067954	.8128059	14.51473	30.28909
#1	-.150742	39985.84	51.19931	3.434559	5652.939	1.688895	2.319095
#2	-.185529	39440.23	51.25521	3.119841	5580.435	1.366139	1.544135
#3	-.081169	39111.16	50.49115	3.193172	5665.121	1.826168	1.321892
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	96.87234	22.14803	44925.03	7632.904	11479.33	213.0534	22005.68
SDEV	2.19881	.18300	463.36	121.467	98.37	3.4336	278.62
%RSD	2.269805	.8262804	1.031412	1.591356	.8569747	1.611593	1.266143
#1	99.41111	22.31237	45384.28	7762.160	11585.08	217.0115	22327.39
#2	95.57476	21.95081	44457.66	7615.434	11390.54	211.2720	21847.07
#3	95.63117	22.18089	44933.16	7521.119	11462.36	210.8766	21842.57
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	24.09138	-7.15256	82.13490	138.5111	55.66610	2.176261	9.793367
SDEV	.32056	4.19249	.05054	1.9066	.63624	1.349095	1.883329
%RSD	1.330583	58.61533	.0615297	1.376529	1.142957	61.99140	19.23066
#1	24.45727	L-11.9807	82.07931	139.2565	56.36425	3.704332	11.86491
#2	23.95691	-5.04524	82.14728	136.3444	55.11894	1.149918	9.330709
#3	23.85996	-4.43177	82.17808	139.9324	55.51510	1.674532	8.184483
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	19.83444	59.70541	53.64608	-18.5638	12.52803	19.55482	.3090732
SDEV	3.04240	2.94770	2.03283	4.2176	4.03468	1.23428	1.658026
%RSD	15.33897	4.937068	3.789343	22.71978	32.20526	6.311896	536.4508
#1	23.34250	57.50592	55.79084	-23.3045	17.18575	20.62454	2.196351
#2	18.24279	58.55559	53.39980	-17.1592	10.28806	18.20435	-.913286
#3	17.91804	63.05474	51.74761	-15.2276	10.11027	19.83556	-.355846
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	6.675700	699.4310	4470.955
SDEV	.496290	6.8632	73.123
%RSD	7.434271	.9812570	1.635512
#1	6.103720	707.2617	4403.200
#2	6.931146	694.4603	4461.200
#3	6.992233	696.5709	4548.466
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052614-BLK1 OPERATOR:
RUN TIME: 06/01/10 20:03:42
COMMENT: SDG:1005134 CLIENTID:PBS 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.208720	15.81870	-.087916	.4631874	369.2411	.0154202	.6201302
SDEV	.144828	3.99545	.026226	.1113247	1.0948	.1311742	.0159504
%RSD	69.38887	25.25778	29.83097	24.03448	.2964985	850.6655	2.572106
#1	-.046382	12.99576	-.063870	.3898367	368.9054	.1527933	.6105583
#2	-.255102	14.06996	-.115881	.4084410	368.3534	.0019889	.6112891
#3	-.324675	20.39038	-.083998	.5912846	370.4644	-.108522	.6385434
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000
LOW	-5.00000	-200.000	-200.000	-5.00000	-5000.00	-5.00000	-5.00000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.311151	-.969626	-11.3533	-1438.58	-.790462	-.037718	25.92522
SDEV	.378887	.137827	10.9745	1.62	.606314	.049587	33.17736
%RSD	121.7692	14.21441	96.66338	.1123113	76.70374	131.4703	127.9733
#1	-.654122	-.810761	.9409787	-1436.72	-1.48044	-.009458	16.10569
#2	-.374897	-1.04084	-14.8401	-1439.65	-.548236	-.008720	-1.23399
#3	.0955645	-1.05728	-20.1608	-1439.36	-.342706	-.094974	62.90397
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000
LOW	-5.00000	-5.00000	-100.000	-5000.00	-5000.00	-10.0000	-5000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.340067	-1.66077	-.159442	.3378931	.9624693	1.401213	.3415964
SDEV	.397236	3.52246	.001077	.2015813	.4577613	.635116	.8062960
%RSD	116.8112	212.0974	.6752040	59.65831	47.56113	45.32617	236.0376
#1	-.054742	-2.16786	-.158241	.3368994	.9081049	.8322777	-.578143
#2	-.793758	-4.90220	-.160319	.5399693	1.444985	1.284922	.6762778
#3	-.171700	2.087748	-.159766	.1368105	.5343178	2.086438	.9266548
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000
LOW	-40.0000	-10.0000	-20.0000	-20.0000	-3.00000	-5.00000	-10.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-4.01578	-.761790	1.820794	1.066292	1.565910	-.593426	-.003321
SDEV	2.00692	3.828456	2.265061	1.312428	1.549598	.685964	1.216628
%RSD	49.97577	502.5608	124.3996	123.0833	98.95834	115.5939	36632.88
#1	-6.14913	3.473587	-.375216	2.567941	-.036755	-1.31546	1.290234
#2	-3.73289	-3.97641	4.149106	.4922573	1.678146	-.514441	-.175526
#3	-2.16532	-1.78255	1.688492	.1386777	3.056338	.0496267	-1.12467
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	10.00000					100.0000	50.00000
LOW	-10.0000					-100.000	-50.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-1.50701	-.076534	4810.222
SDEV	.24894	.094192	17.349
%RSD	16.51851	123.0732	.3606740
#1	-1.36485	.0317815	4828.733
#2	-1.79445	-.139241	4807.600
#3	-1.36173	-.122142	4794.333
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	5.000000	40.00000	
LOW	-5.00000	-40.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052614-BS1 OPERATOR:
RUN TIME: 06/01/10 20:10:51
COMMENT: SDG:1005134 CLIENTID:LCSS 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	825.5682	69975.41	1418.698	1284.084	37942.48	2181.593	611.6188
SDEV	2.3144	473.98	4.466	4.617	247.83	9.648	2.6564
%RSD	.2803371	.6773571	.3148076	.3595794	.6531773	.4422460	.4343295
#1	823.9797	70491.92	1416.514	1285.570	37909.59	2176.470	613.5104
#2	828.2236	69873.88	1423.836	1287.776	38205.11	2192.722	612.7642
#3	824.5015	69560.41	1415.745	1278.907	37712.73	2175.587	608.5819
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1110.000	108000.0	1840.000	1690.000	52200.00	2770.000	811.0000
LOW	490.0000	43900.00	1280.000	1170.000	34200.00	1880.000	561.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	566.7063	1386.095	115402.6	26251.21	19173.46	2707.233	4189.763
SDEV	2.9281	9.136	680.1	240.05	118.36	19.665	26.408
%RSD	.5166955	.6591101	.5893334	.9144311	.6173314	.7263753	.6302884
#1	568.2370	1396.586	115461.6	26524.53	19242.03	2705.504	4178.528
#2	568.5519	1381.811	116051.3	26154.46	19241.57	2727.706	4219.930
#3	563.3301	1379.888	114694.9	26074.63	19036.79	2688.490	4170.830
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	738.0000	1540.000	214000.0	30600.00	27300.00	3650.000	6580.000
LOW	477.0000	1080.000	74200.00	17000.00	17100.00	2430.000	2540.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	465.6095	1504.492	623.0353	1118.152	684.3995	715.6190	504.2559
SDEV	4.1983	4.150	3.1668	9.624	5.2719	7.3122	5.4654
%RSD	.9016888	.2758154	.5082898	.8607340	.7702987	1.021796	1.083848
#1	462.8435	1503.511	624.4528	1114.400	688.5195	724.0045	508.4842
#2	470.4404	1509.044	625.2457	1129.088	686.2205	710.5717	506.1988
#3	463.5447	1500.920	619.4073	1110.969	678.4585	712.2809	498.0845
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	588.0000	1970.000	930.0000	1410.000	918.0000	1030.000	1730.000
LOW	404.0000	1190.000	517.0000	905.0000	619.0000	626.0000	30.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	745.1557	678.0833	687.5497	714.9808	715.9349	1655.659	-1.59003
SDEV	4.9945	6.3103	5.1551	4.7173	9.0280	8.205	2.28677
%RSD	.6702642	.9306024	.7497817	.6597774	1.261011	.4955697	143.8191
#1	750.4338	680.5195	692.5104	719.9426	726.0297	1658.115	-3.78526
#2	744.5293	682.8123	687.9188	714.4464	708.6344	1662.355	-1.76328
#3	740.5039	670.9181	682.2200	710.5535	713.1405	1646.506	.7784353
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	NOCHECK
HIGH	973.0000					2280.000	
LOW	645.0000					1220.000	

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	550.3693	2625.525	4802.444
SDEV	3.3902	7.831	14.742
%RSD	.6159946	.2982815	.3069651
#1	548.8873	2627.198	4791.466
#2	554.2482	2632.385	4796.667
#3	547.9723	2616.992	4819.200
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	705.0000	4510.000	
LOW	463.0000	1110.000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005134-18 OPERATOR:
RUN TIME: 06/01/10 20:17:59
COMMENT: SDG:1005134 CLIENTID:SB44-5-6 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.139147	134985.3	181.9941	2.203158	1454.330	2.711622	2.030173
SDEV	.270204	1518.9	1.9415	.012962	8.762	.156940	.258948
%RSD	194.1863	1.125237	1.066774	.5883337	.6024464	5.787675	12.75495
#1	.1623377	136527.4	180.4468	2.213795	1459.216	2.570090	2.198267
#2	-.220315	133490.8	184.1727	2.188721	1444.215	2.880402	1.731972
#3	-.359462	134937.6	181.3630	2.206959	1459.559	2.684374	2.160281
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	170.7921	10.75902	58244.61	3517.947	4172.849	56.07554	745.5974
SDEV	1.5673	.20592	485.39	15.488	39.668	.55958	55.5055
%RSD	.9176859	1.913947	.8333700	.4402501	.9506289	.9979100	7.444437
#1	171.6256	10.97267	58371.94	3525.526	4188.207	56.36904	807.9677
#2	168.9841	10.74259	57708.25	3500.129	4127.797	55.43026	727.1922
#3	171.7665	10.56181	58653.65	3528.185	4202.542	56.42731	701.6323
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	28.81431	-.308744	198.0838	56.50508	46.36651	2.577786	11.13681
SDEV	.58791	2.044232	2.5518	.35211	1.11924	2.234581	.90140
%RSD	2.040358	662.1128	1.288247	.6231548	2.413906	86.68605	8.093909
#1	29.26724	-1.68596	200.7131	56.27594	45.10057	1.496282	11.91095
#2	29.02577	-1.28036	195.6172	56.32879	46.77417	1.089717	10.14719
#3	28.14991	2.040089	197.9212	56.91052	47.22478	5.147358	11.35228
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	9.197329	43.08361	48.00221	-16.9245	12.31169	17.07692	.5623331
SDEV	1.131335	2.90598	1.13074	3.5841	1.87167	1.89767	2.303361
%RSD	12.30069	6.744971	2.355607	21.17680	15.20238	11.11247	409.6079
#1	8.560140	41.07330	47.10789	-20.0543	12.25278	14.95197	3.069149
#2	10.50355	41.76204	49.27322	-17.7046	10.47017	17.67616	-1.46073
#3	8.528295	46.41550	47.62553	-13.0146	14.21212	18.60263	.0785843
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.675444	810.3419	4605.400
SDEV	.563173	3.2191	24.175
%RSD	21.04972	.3972578	.5249347
#1	2.168510	813.9438	4583.600
#2	2.576168	807.7456	4631.400
#3	3.281654	809.3362	4601.200
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV OPERATOR:
RUN TIME: 06/01/10 20:25:09
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	104.5223	45354.65	910.4216	975.7895	46983.66	1014.497	956.8468
SDEV	3.2149	624.73	14.6843	10.5323	849.84	19.208	17.9376
%RSD	3.075798	1.377429	1.612908	1.079359	1.808788	1.893318	1.874661
#1	107.9661	44837.43	904.1409	987.4383	47958.04	1035.763	975.9746
#2	104.0005	45177.78	899.9223	966.9388	46395.65	998.4097	940.4015
#3	101.6002	46048.75	927.2017	972.9915	46597.31	1009.319	954.1643
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	996.1692	1008.324	23814.66	51285.36	48053.36	945.4658	48545.57
SDEV	18.4121	11.585	416.75	1385.57	565.87	17.2530	606.29
%RSD	1.848291	1.148926	1.749962	2.701694	1.177594	1.824815	1.248907
#1	1015.602	1019.089	24262.88	50195.95	48542.60	959.7340	48267.87
#2	978.9849	1009.820	23438.89	50815.31	47433.64	926.2909	48127.86
#3	993.9202	996.0640	23742.21	52844.81	48183.84	950.3725	49240.96
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	993.6267	1009.740	943.1124	1151.753	996.4810	1029.197	996.9783
SDEV	15.9363	17.938	9.4597	38.388	8.2991	10.315	3.8763
%RSD	1.603854	1.776512	1.003032	3.332997	.8328409	1.002219	.3888037
#1	1011.393	1015.157	954.0163	1196.056	1005.273	1024.065	997.2009
#2	980.5927	989.7172	938.2219	1128.354	988.7828	1022.455	992.9955
#3	988.8943	1024.345	937.0991	1130.849	995.3876	1041.071	1000.739
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1023.650	980.0682	1004.672	1041.505	1023.050	1036.257	981.5483
SDEV	8.960	33.5360	12.533	26.938	5.721	15.894	8.8783
%RSD	.8753017	3.421805	1.247451	2.586456	.5591673	1.533747	.9045176
#1	1030.933	992.3028	1011.745	1039.264	1016.474	1051.048	979.4661
#2	1013.645	942.1326	1012.070	1015.757	1025.797	1019.452	973.8963
#3	1026.373	1005.769	990.2016	1069.493	1026.879	1038.271	991.2827
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	974.8702	952.3957	4635.289
SDEV	4.3941	3.7327	129.891
%RSD	.4507363	.3919284	2.802222
#1	978.7725	953.4410	4738.999
#2	970.1107	948.2518	4677.267
#3	975.7277	955.4943	4489.600
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB OPERATOR:
RUN TIME: 06/01/10 20:32:18
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.023191	45.80840	.2732391	1.260736	383.9542	.3367533	.1330705
SDEV	.236788	6.55681	.0175948	.197487	1.3503	.2210882	.8462592
%RSD	1021.029	14.31354	6.439334	15.66441	.3516935	65.65289	635.9482
#1	.1623377	40.27551	.2905990	1.189282	382.7784	.0952414	-.823611
#2	-.289889	53.05056	.2554185	1.484004	383.6551	.5291613	.7838216
#3	.0579777	44.09913	.2736998	1.108921	385.4290	.3858570	.4390006
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0390978	-.777892	-12.2486	-1419.85	16.00353	.3229995	6.940484
SDEV	.4478046	.115040	4.7055	1.50	2.03538	.0459386	6.925303
%RSD	1145.344	14.78870	38.41666	.1055623	12.71831	14.22249	99.78127
#1	.2902277	-.728589	-11.3837	-1420.36	16.68278	.3448599	10.66765
#2	.3049780	-.909366	-17.3265	-1421.02	13.71538	.2702130	11.20397
#3	-.477912	-.695721	-8.03546	-1418.16	17.61242	.3539255	-1.05017
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.5942600	-.366407	.0956792	.4136040	-.978418	-.989756	1.465212
SDEV	.8672183	2.165453	.1249421	.3184280	.840740	1.092459	2.304464
%RSD	145.9325	590.9962	130.5843	76.98862	85.92857	110.3766	157.2786
#1	1.492583	-.355830	-.033203	.3420301	-1.72462	.1213067	-.546441
#2	.5282818	1.793738	.1039720	.1370541	-1.14312	-1.02797	.9625640
#3	-.238085	-2.53713	.2162683	.7617278	-.067514	-2.06261	3.979513
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-3.08469	-5.11421	1.083786	-3.86693	.4440836	.3924057	1.366510
SDEV	1.01383	.43241	1.472160	1.74682	.7670080	.7440481	.292398
%RSD	32.86652	8.455049	135.8350	45.17314	172.7170	189.6119	21.39745
#1	-2.07112	-4.80676	-.188412	-2.12598	1.240713	1.244482	1.655514
#2	-3.08417	-4.92723	.7434670	-3.85527	.3809359	-.128930	1.070832
#3	-4.09879	-5.60865	2.696302	-5.61955	-.289398	.0616643	1.373184
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.2405737	.1499387	4660.689
SDEV	.8112636	.1543066	67.856
%RSD	337.2204	102.9132	1.455912
#1	1.053929	.0133118	4731.866
#2	.2363751	.1192048	4596.733
#3	-.568582	.3172993	4653.466
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052614-DUP1 OPERATOR:
RUN TIME: 06/01/10 20:39:27
COMMENT: SDG:1005134 CLIENTID:SB44-5-6D 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.544991	128782.3	155.7567	1.803469	1410.932	2.771332	2.410253
SDEV	.106275	621.1	.8872	.183953	14.802	.332981	.155074
%RSD	19.50032	.4823253	.5695972	10.19994	1.049078	12.01520	6.433946
#1	-.637755	128879.0	154.7583	1.714933	1416.709	2.445659	2.451016
#2	-.429035	129349.4	156.4544	1.680524	1421.974	3.111169	2.238869
#3	-.568182	128118.4	156.0576	2.014948	1394.113	2.757169	2.540875
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	190.1398	9.504533	55594.45	3913.194	4252.789	56.90879	579.4143
SDEV	1.1004	.164617	292.15	43.927	17.701	.29251	46.0639
%RSD	.5787340	1.731980	.5255107	1.122527	.4162152	.5140011	7.950081
#1	190.3835	9.493576	55459.58	3913.258	4239.753	57.00771	529.5696
#2	191.0980	9.674354	55929.68	3869.235	4272.940	57.13902	588.2582
#3	188.9380	9.345668	55394.10	3957.088	4245.672	56.57964	620.4150
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	25.43673	-3.77051	198.5960	58.32036	44.68589	1.697840	10.19255
SDEV	.68145	3.09193	.9461	.96491	1.87577	1.979629	2.68841
%RSD	2.678996	82.00293	.4763849	1.654507	4.197676	116.5969	26.37620
#1	24.89521	-5.80901	199.2574	58.16400	44.34704	-.417309	7.592701
#2	26.20190	-5.28967	199.0183	59.35390	46.70798	2.004722	12.96153
#3	25.21310	-.212872	197.5123	57.44317	43.00264	3.506107	10.02342
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	5.376765	39.76259	47.14063	-19.7582	12.40721	19.16424	-1.99092
SDEV	2.508540	3.23335	2.99718	4.5664	3.62262	1.38468	1.19496
%RSD	46.65519	8.131628	6.357954	23.11164	29.19772	7.225339	60.02026
#1	4.765875	43.29880	44.86717	-18.0813	8.398861	17.70628	-3.27603
#2	8.134328	39.03175	50.53714	-24.9260	15.44736	19.32480	-.913286
#3	3.230092	36.95721	46.01757	-16.2673	13.37542	20.46165	-1.78346
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.145547	845.8896	4703.667
SDEV	.766353	6.6835	35.740
%RSD	35.71833	.7901108	.7598344
#1	1.943029	851.0699	4722.200
#2	1.500791	848.2534	4726.333
#3	2.992820	838.3455	4662.466
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052614-MS1 OPERATOR:
RUN TIME: 06/01/10 20:46:36
COMMENT: SDG:1005134 CLIENTID:SB44-5-6S 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	49.91884	178837.6	2065.527	50.66616	1561.190	53.21184	474.3556
SDEV	1.13115	1890.1	28.796	1.20841	44.155	1.31607	13.5350
%RSD	2.265969	1.056894	1.394139	2.385050	2.828308	2.473274	2.853352
#1	48.68971	176903.3	2084.331	49.41407	1512.088	51.98429	459.5536
#2	50.15075	178929.1	2032.375	50.75885	1573.851	53.04979	477.4125
#3	50.91605	180680.3	2079.874	51.82555	1597.633	54.60143	486.1008
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	405.3731	270.5039	65249.05	5240.166	5499.130	533.6189	758.3464
SDEV	13.2961	3.2796	1599.85	77.703	91.329	14.9933	20.1019
%RSD	3.279958	1.212396	2.451912	1.482844	1.660793	2.809746	2.650753
#1	391.1734	267.5293	63562.88	5319.769	5407.066	517.7864	743.3184
#2	407.4171	269.9616	65438.56	5164.512	5500.618	535.4688	781.1805
#3	417.5288	274.0208	66745.70	5236.216	5589.706	547.6014	750.5403
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	524.2747	46.58777	706.8474	582.9262	66.40144	7.786106	208.7903
SDEV	10.7709	4.47345	16.8079	23.6913	2.16349	2.772696	7.1191
%RSD	2.054447	9.602201	2.377871	4.064203	3.258198	35.61082	3.409692
#1	514.0286	48.77207	687.7633	556.4781	63.91292	9.923516	200.9222
#2	523.2925	49.54943	713.3306	590.0960	67.45559	4.653072	210.6627
#3	535.5032	41.44181	719.4481	602.2043	67.83581	8.781730	214.7861
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	39.51415	66.80898	66.19443	-7.63345	15.48168	890.7190	947.6666
SDEV	1.56610	.83489	2.92799	6.68691	1.24176	21.7250	12.3583
%RSD	3.963385	1.249662	4.423321	87.60008	8.020864	2.439036	1.304077
#1	37.75420	66.00201	62.86593	-1.21095	15.47973	868.1489	940.1505
#2	40.75413	67.66924	67.34497	-14.5566	14.24089	892.5217	940.9196
#3	40.03411	66.75570	68.37241	-7.13278	16.72442	911.4864	961.9299
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	906.2787	1504.084	4569.133
SDEV	18.3840	29.620	32.971
%RSD	2.028512	1.969324	.7215931
#1	889.2431	1475.146	4531.066
#2	903.8280	1502.766	4588.667
#3	925.7652	1534.342	4587.667
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052614-MSD1 OPERATOR:
RUN TIME: 06/01/10 20:53:44
COMMENT: SDG:1005134 CLIENTID:SB44-5-6SD 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	52.08720	172080.2	2018.310	50.30543	1569.934	53.00489	475.9369
SDEV	.35532	1486.2	13.578	.00654	1.889	.56776	6.7353
%RSD	.6821708	.8636832	.6727564	.0129960	.1203152	1.071141	1.415172
#1	51.68136	173598.2	2004.310	50.31218	1567.807	52.37769	468.1715
#2	52.23795	172014.3	2019.196	50.29912	1571.417	53.48374	479.4459
#3	52.34230	170628.0	2031.423	50.30500	1570.577	53.15326	480.1931
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	408.9780	275.5821	62730.64	4839.952	5417.604	534.0778	999.2837
SDEV	5.9035	.9738	626.21	18.689	34.835	8.2653	95.9277
%RSD	1.443464	.3533635	.9982579	.3861354	.6429993	1.547577	9.599649
#1	402.2199	274.5139	62016.29	4819.649	5379.128	524.7295	1104.064
#2	413.1295	275.8122	62990.72	4856.438	5426.681	537.0874	978.0050
#3	411.5847	276.4203	63184.90	4843.770	5447.002	540.4166	915.7819
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	525.5325	44.09765	701.3544	588.9063	66.56439	11.16318	206.0967
SDEV	5.7102	3.73863	.7270	8.2196	.14209	.62473	1.2386
%RSD	1.086552	8.478072	.1036634	1.395732	.2134632	5.596368	.6009600
#1	519.8874	39.80840	701.6441	580.1265	66.67632	11.67461	207.4999
#2	525.4044	46.66550	701.8920	590.1740	66.61233	10.46687	205.1557
#3	531.3057	45.81905	700.5272	596.4183	66.40453	11.34806	205.6344
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	42.06653	62.49808	68.59152	-5.92619	19.69251	888.7344	932.8929
SDEV	2.01387	.89350	.60232	2.96320	.59211	6.6642	4.0125
%RSD	4.787335	1.429639	.8781226	50.00178	3.006803	.7498484	.4301091
#1	40.21650	62.64875	68.68324	-4.03223	19.51370	881.0900	929.4441
#2	41.77142	61.53882	69.14272	-9.34101	20.35342	891.7925	931.9379
#3	44.21167	63.30666	67.94861	-4.40532	19.21040	893.3206	937.2967
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	911.8954	1442.834	4748.911
SDEV	9.1554	6.159	12.369
%RSD	1.003992	.4268452	.2604649
#1	902.7980	1447.954	4737.733
#2	911.7806	1444.549	4746.800
#3	921.1076	1436.000	4762.200
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: SDI1005134-18 OPERATOR:
RUN TIME: 06/01/10 21:00:53
COMMENT: SDG:1005134 CLIENTID:SB44-5-6L 1:5
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2203154	28341.21	37.13065	1.304733	594.3583	.1105866	-.814192
SDEV	.4948189	241.95	.40753	.161593	3.1894	.0597520	.355094
%RSD	224.5957	.8537158	1.097564	12.38514	.5366159	54.03186	43.61304
#1	.7884973	28166.26	36.86168	1.421234	598.0214	.1449378	-.418770
#2	-.011596	28240.04	36.93074	1.120257	592.8571	.1452310	-1.10583
#3	-.115955	28617.33	37.59954	1.372707	592.1965	.0415912	-.917973
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	35.34473	1.599610	12222.30	-396.017	941.5880	11.66828	230.8921
SDEV	1.25145	.236068	118.02	9.958	11.5941	.19352	144.3449
%RSD	3.540711	14.75784	.9656377	2.514435	1.231332	1.658476	62.51617
#1	36.64223	1.506482	12356.02	-393.861	954.1242	11.88663	389.6957
#2	35.24692	1.868038	12132.66	-406.876	931.2511	11.60024	195.3255
#3	34.14506	1.424311	12178.23	-387.314	939.3887	11.51797	107.6552
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	6.465475	-1.62554	40.52528	11.94753	9.057485	-2.05320	2.297385
SDEV	.675233	.92268	1.15970	.57473	.372339	2.67958	2.023410
%RSD	10.44367	56.76124	2.861679	4.810430	4.110841	130.5078	88.07451
#1	7.214832	-.842352	41.83591	12.51417	9.134988	.9735572	3.361735
#2	6.277309	-1.39160	39.63203	11.36504	8.652494	-4.12267	-.036056
#3	5.904282	-2.64267	40.10791	11.96337	9.384972	-3.01049	3.566475
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.5863046	9.860169	8.653817	-9.03170	1.428222	5.745415	.6460310
SDEV	.9717021	5.100902	2.420751	7.44403	.317375	3.254173	2.709065
%RSD	165.7333	51.73240	27.97322	82.42114	22.22169	56.63949	419.3398
#1	.4505038	15.67999	5.864465	-.579513	1.746325	8.657303	3.562145
#2	-.310354	6.165104	9.891420	-14.6120	1.111579	6.346246	.1684052
#3	1.618764	7.735413	10.20556	-11.9036	1.426763	2.232695	-1.79246
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.030219	166.4774	4644.977
SDEV	.896573	1.2835	36.823
%RSD	87.02742	.7709512	.7927405
#1	1.669073	167.8384	4641.066
#2	1.416302	166.3046	4683.600
#3	.0052833	165.2890	4610.267
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052614-PS1 OPERATOR:
RUN TIME: 06/01/10 21:08:01
COMMENT: SDG:1005134 CLIENTID:SB44-5-6A 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	19.58488	132702.9	537.3259	11.41693	1475.836	12.49158	96.26067
SDEV	.34320	1070.1	2.8081	.15774	2.768	.27007	.46701
%RSD	1.752361	.8063863	.5226065	1.381663	.1875252	2.162040	.4851463
#1	19.81679	132960.8	540.5598	11.58328	1474.027	12.53643	96.40776
#2	19.19063	131527.5	535.9136	11.26951	1474.459	12.73642	95.73782
#3	19.74722	133620.5	535.5042	11.39799	1479.022	12.20189	96.63641
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	192.8561	62.81757	58739.88	3318.859	4160.053	84.54327	748.2458
SDEV	1.6626	.39454	254.68	36.051	24.154	.05671	59.5304
%RSD	.8621154	.6280691	.4335771	1.086258	.5806064	.0670833	7.956000
#1	191.1356	62.65870	58611.06	3349.262	4159.494	84.59860	816.9816
#2	192.9785	62.52723	58575.34	3279.031	4136.184	84.48527	713.2334
#3	194.4541	63.26677	59033.23	3328.283	4184.481	84.54594	714.5223
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	105.9704	13.89051	293.0957	99.03713	53.85292	9.570208	121.7926
SDEV	.3941	2.98642	1.6488	1.22409	.82620	1.726650	1.7396
%RSD	.3718644	21.49972	.5625442	1.235991	1.534176	18.04193	1.428322
#1	106.2103	14.90467	292.0208	100.4280	53.19137	9.223515	120.1302
#2	106.1855	10.52908	292.2723	98.55940	53.58839	11.44390	123.6002
#3	105.5156	16.23777	294.9940	98.12394	54.77898	8.043209	121.6475
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	23.05344	53.08572	54.23276	-8.97487	18.82631	19.81715	-.060831
SDEV	2.05814	2.30135	2.29596	2.23978	1.47978	1.39916	.466518
%RSD	8.927701	4.335157	4.233525	24.95608	7.860178	7.060333	766.9072
#1	25.08680	55.66173	51.95485	-9.67021	18.65366	21.41235	.2666422
#2	20.97138	52.36285	54.19709	-6.46990	20.38484	19.24124	.1458510
#3	23.10213	51.23260	56.54635	-10.7845	17.44043	18.79786	-.594986
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	3.108607	808.4489	4764.622
SDEV	.491542	3.8276	32.618
%RSD	15.81227	.4734548	.6845848
#1	3.365748	807.0013	4727.267
#2	2.541834	805.5562	4787.466
#3	3.418240	812.7893	4779.133
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005134-01 OPERATOR:
RUN TIME: 06/01/10 21:15:09
COMMENT: SDG:1005134 CLIENTID:SS02-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.185529	75930.27	167.7242	1.830443	3007.887	1.382106	-2.61279
SDEV	.092037	867.91	.4264	.174110	49.951	.195209	.91852
%RSD	49.60784	1.143038	.2542383	9.511891	1.660672	14.12403	35.15476
#1	-.220315	75756.09	167.2318	2.029604	3060.078	1.600191	-1.55473
#2	-.081169	75162.65	167.9698	1.754640	2960.526	1.322417	-3.20556
#3	-.255102	76872.05	167.9710	1.707085	3003.056	1.223710	-3.07809
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	126.7077	15.79889	46002.84	3375.349	2832.309	45.54797	543.4659
SDEV	2.5278	.34837	826.68	45.111	32.717	.91962	63.2576
%RSD	1.994975	2.205009	1.797025	1.336471	1.155135	2.019007	11.63966
#1	129.3898	15.85367	46940.76	3347.012	2867.114	46.49138	611.7908
#2	124.3694	15.42638	45380.17	3351.665	2802.184	44.65415	486.9359
#3	126.3639	16.11662	45687.58	3427.368	2827.629	45.49838	531.6711
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	15.98616	-5.32309	144.3723	49.05310	46.42994	.0302276	13.57152
SDEV	.11828	2.76440	1.8968	1.32213	2.71623	2.682207	1.33693
%RSD	.7398892	51.93225	1.313847	2.695300	5.850178	8873.363	9.851029
#1	15.91625	-4.60094	146.3044	50.54087	49.56513	1.370006	12.17538
#2	16.12272	-2.99144	142.5129	48.01270	44.93908	1.778598	13.69908
#3	15.91950	-8.37690	144.2995	48.60574	44.78561	-3.05792	14.84011
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	21.25915	45.67958	46.80130	-18.9797	9.518360	18.12621	-1.41818
SDEV	1.48868	5.02982	1.67262	4.7176	1.992288	4.04519	1.01503
%RSD	7.002527	11.01109	3.573880	24.85599	20.93100	22.31682	71.57265
#1	21.47860	51.41357	48.63903	-15.0560	9.568091	22.78819	-1.89715
#2	22.62591	42.01250	46.39695	-17.6692	11.48532	16.04634	-2.10509
#3	19.67292	43.61267	45.36792	-24.2141	7.501673	15.54411	-.252290
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	3.613360	569.7219	4641.977
SDEV	.990128	4.5357	38.626
%RSD	27.40185	.7961267	.8321101
#1	4.695272	572.8436	4640.333
#2	2.752323	564.5190	4681.400
#3	3.392486	571.8029	4604.200
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005134-02 OPERATOR:
RUN TIME: 06/01/10 21:22:17
COMMENT: SDG:1005134 CLIENTID:SS02D-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3710575	85499.27	189.5363	2.013382	2819.279	1.321743	-3.09951
SDEV	.7035163	733.13	.8111	.167037	38.336	.251256	.71085
%RSD	189.5976	.8574721	.4279128	8.296316	1.359767	19.00947	22.93417
#1	1.171150	84655.84	190.2567	2.199573	2775.013	1.490665	-3.53805
#2	.0927644	85858.09	189.6945	1.963886	2841.470	1.033006	-2.27936
#3	-.150742	85983.88	188.6579	1.876687	2841.353	1.441557	-3.48113
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	119.2871	18.65846	51302.48	2713.136	2596.054	43.43193	663.8424
SDEV	3.2987	.47214	864.08	7.791	40.393	.95935	181.3272
%RSD	2.765371	2.530415	1.684286	.2871518	1.555925	2.208870	27.31479
#1	115.4914	18.12161	50321.20	2720.395	2549.687	42.42417	868.4779
#2	121.4607	19.00906	51949.49	2704.905	2614.857	44.33415	523.1481
#3	120.9093	18.84472	51636.75	2714.109	2623.617	43.53748	599.9009
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	18.02998	-1.79989	149.0592	46.09774	44.31995	2.912864	13.35103
SDEV	1.29867	3.19369	1.4157	1.94884	1.56864	.689886	2.70381
%RSD	7.202824	177.4380	.9497492	4.227616	3.539356	23.68410	20.25169
#1	16.70163	-3.87410	147.4704	43.90339	44.08651	2.967669	10.57832
#2	19.29677	-3.40341	149.5201	47.62687	42.88111	2.197210	15.98023
#3	18.09155	1.877838	150.1869	46.76297	45.99223	3.573712	13.49453
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	15.82361	51.07109	40.94619	-12.4051	10.55777	19.38369	2.717126
SDEV	3.42367	10.75011	5.99238	9.7436	4.79989	3.96950	2.453432
%RSD	21.63648	21.04932	14.63478	78.54530	45.46311	20.47858	90.29512
#1	12.14813	63.45650	34.41279	-1.21071	5.051125	23.75019	5.517383
#2	16.40051	44.15995	42.23941	-18.9782	12.76647	15.99329	1.688818
#3	18.92217	45.59681	46.18638	-17.0264	13.85571	18.40760	.9451772
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	3.036719	534.6272	4655.977
SDEV	1.226591	5.7424	19.853
%RSD	40.39199	1.074102	.4264040
#1	4.452928	529.0738	4650.933
#2	2.311566	534.2660	4677.866
#3	2.345664	540.5417	4639.133
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005134-03 OPERATOR:
RUN TIME: 06/01/10 21:29:25
COMMENT: SDG:1005134 CLIENTID:SB02-5-6 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.266698	72117.55	104.7413	1.471984	3191.332	1.333477	-1.65040
SDEV	.122167	342.22	1.3818	.061495	7.949	.226297	.25689
%RSD	45.80719	.4745314	1.319271	4.177691	.2490668	16.97043	15.56538
#1	-.150742	72370.10	106.2818	1.527365	3199.448	1.572249	-1.35687
#2	-.255102	72254.47	104.3312	1.482783	3183.563	1.306019	-1.83423
#3	-.394249	71728.06	103.6110	1.405806	3190.985	1.122161	-1.76010
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	145.2688	19.27749	41343.63	4113.326	3960.331	43.63982	644.8295
SDEV	1.3513	.09630	89.48	14.368	11.254	.07591	62.0441
%RSD	.9301787	.4995258	.2164410	.3493158	.2841620	.1739446	9.621782
#1	146.8048	19.38705	41433.88	4129.877	3973.121	43.65698	583.0795
#2	144.2632	19.23915	41254.93	4106.052	3955.929	43.55680	707.1635
#3	144.7384	19.20628	41342.09	4104.049	3951.944	43.70568	644.2454
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	9.950626	-5.90912	138.3042	37.41613	60.85608	.8647162	10.66631
SDEV	.098652	3.74774	.1587	.81805	1.56255	1.664280	.26205
%RSD	.9914128	63.42289	.1147167	2.186359	2.567610	192.4655	2.456764
#1	9.854455	-5.06894	138.4872	36.47615	62.59658	-.504761	10.71892
#2	9.945839	-2.65279	138.2041	37.80529	60.39759	2.717028	10.89807
#3	10.05158	L-10.0056	138.2215	37.96696	59.57407	.3818816	10.38196
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	16.01340	61.58501	60.48899	-21.1576	11.85680	17.05109	-1.38071
SDEV	.94395	1.31180	2.46500	4.2011	3.29384	.94530	1.88538
%RSD	5.894737	2.130063	4.075126	19.85624	27.78016	5.543910	136.5516
#1	16.36261	61.11047	63.33533	-24.4859	11.46525	16.92491	-3.38101
#2	14.94461	63.06804	59.06119	-22.5497	15.32892	18.05314	.3635948
#3	16.73299	60.57651	59.07045	-16.4371	8.776242	16.17522	-1.12472
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	11.46693	600.6098	4765.755
SDEV	.58905	.9126	35.220
%RSD	5.136985	.1519427	.7390130
#1	12.04262	601.4025	4729.200
#2	11.49279	599.6122	4768.600
#3	10.86537	600.8146	4799.466
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005134-04 OPERATOR:
RUN TIME: 06/01/10 21:36:33
COMMENT: SDG:1005134 CLIENTID:SB02D-5-6 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.324675	68837.54	96.56853	2.044843	2602.948	2.361451	-8.95675
SDEV	.421766	407.28	.67052	.099556	23.303	.141892	.39952
%RSD	129.9038	.5916599	.6943491	4.868628	.8952380	6.008667	4.460518
#1	-.568182	69249.54	96.06168	2.025267	2610.565	2.313408	-8.50692
#2	-.568182	68435.14	97.32884	1.956529	2576.790	2.249819	-9.27030
#3	.1623377	68827.94	96.31509	2.152732	2621.489	2.521128	-9.09303
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	154.8767	20.48816	100983.1	3901.352	3335.857	43.01704	565.6863
SDEV	1.2314	.27647	893.2	15.929	19.640	.53044	113.2778
%RSD	.7950550	1.349409	.8844749	.4083017	.5887600	1.233103	20.02484
#1	156.2952	20.58676	101385.7	3915.332	3352.900	43.60952	488.7332
#2	154.2518	20.70180	99959.51	3884.010	3314.378	42.58628	512.5630
#3	154.0830	20.17590	101604.1	3904.715	3340.294	42.85532	695.7626
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	9.683680	-2.95664	231.6132	41.86494	58.91961	1.133659	9.720663
SDEV	.829764	2.03111	2.0221	.41732	1.22771	1.184079	1.094484
%RSD	8.568687	68.69660	.8730450	.9968145	2.083704	104.4476	11.25935
#1	10.19909	-1.05339	232.8413	42.34428	60.30917	-.145827	8.774914
#2	10.12546	-2.72140	229.2794	41.58258	57.98170	1.355992	10.91953
#3	8.726494	-5.09512	232.7190	41.66795	58.46796	2.190810	9.467546
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	49.64448	57.06755	59.84128	-15.6460	9.508290	21.06087	.4907866
SDEV	2.50453	6.43194	3.79191	2.1685	1.117495	2.08508	1.121604
%RSD	5.044930	11.27075	6.336618	13.85983	11.75285	9.900266	228.5319
#1	51.43001	55.18085	62.86649	-16.9907	8.261345	19.40363	1.536990
#2	50.72189	51.78995	61.06997	-16.8030	10.41924	20.37696	-.693442
#3	46.78154	64.23184	55.58738	-13.1444	9.844292	23.40201	.6288122
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	12.75428	614.1874	4593.088
SDEV	.26418	2.4354	31.953
%RSD	2.071322	.3965240	.6956731
#1	12.56933	613.7959	4556.600
#2	13.05684	611.9715	4616.066
#3	12.63666	616.7949	4606.600
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005134-05 OPERATOR:
RUN TIME: 06/01/10 21:43:41
COMMENT: SDG:1005134 CLIENTID:SB05-7-8 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.556586	132701.5	156.5786	2.599073	9375.545	3.488419	-5.94503
SDEV	.080336	713.9	.9314	.308595	29.819	.246524	.42282
%RSD	14.43376	.5379703	.5948282	11.87328	.3180550	7.066925	7.112228
#1	-.602969	133208.7	157.5498	2.952232	9373.696	3.491289	-5.49047
#2	-.602969	133010.6	156.4931	2.463605	9346.693	3.733496	-6.32662
#3	-.463822	131885.1	155.6930	2.381382	9406.246	3.240473	-6.01801
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	231.1021	36.15009	118774.4	8346.023	7917.418	71.58141	666.8274
SDEV	.3518	.13452	690.7	116.105	69.085	.42495	28.0695
%RSD	.1522148	.3721196	.5815389	1.391144	.8725640	.5936659	4.209405
#1	231.5083	36.11722	119552.9	8477.435	7997.186	72.02300	690.8716
#2	230.9001	36.03505	118234.9	8303.310	7876.895	71.17532	635.9824
#3	230.8980	36.29800	118535.6	8257.326	7878.172	71.54588	673.6283
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	18.28509	-2.39344	273.0714	96.51676	105.1368	-.660101	10.53864
SDEV	.42776	4.72484	.3960	.71343	1.2922	3.047599	3.37182
%RSD	2.339385	197.4080	.1450318	.7391744	1.229087	461.6865	31.99480
#1	18.06127	-.862877	273.2153	96.05682	103.8424	2.275032	6.707474
#2	18.77832	-7.69382	273.3754	96.15485	106.4269	-3.80892	13.05487
#3	18.01568	1.376381	272.6235	97.33861	105.1410	-.446418	11.85358
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	52.10466	100.5553	107.4209	-14.4957	6.244774	20.37564	.5843466
SDEV	.20077	1.4588	2.6502	1.2225	5.061480	1.51671	1.208060
%RSD	.3853285	1.450790	2.467112	8.433534	81.05145	7.443719	206.7369
#1	52.03687	102.1751	104.6716	-15.9020	11.34737	19.01267	1.890707
#2	51.94655	99.34477	109.9595	-13.8978	1.225433	22.00956	.3548117
#3	52.33055	100.1462	107.6316	-13.6872	6.161522	20.10468	-.492479
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	3.573890	561.0685	4778.733
SDEV	.649180	1.2830	62.662
%RSD	18.16451	.2286633	1.311276
#1	4.055945	561.2253	4707.466
#2	3.830005	559.7144	4803.533
#3	2.835719	562.2659	4825.200
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV OPERATOR:
RUN TIME: 06/01/10 21:50:50
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	106.0645	45545.49	913.7110	985.7397	47658.80	1020.993	961.5009
SDEV	1.4645	442.50	9.4430	1.9440	296.55	6.641	2.7599
%RSD	1.380752	.9715622	1.033473	.1972093	.6222296	.6504718	.2870358
#1	107.5835	45142.30	908.5541	986.4315	48000.52	1028.584	963.6953
#2	105.9485	45475.28	907.9693	983.5445	47468.93	1016.258	962.4050
#3	104.6614	46018.91	924.6096	987.2432	47506.95	1018.136	958.4024
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1006.020	1018.168	23925.19	50455.08	48219.95	953.8869	48372.39
SDEV	8.859	2.776	78.89	957.99	89.54	4.9786	489.22
%RSD	.8805562	.2726137	.3297347	1.898705	.1856926	.5219259	1.011362
#1	1013.414	1021.373	24003.21	49402.32	48116.61	958.4911	47868.44
#2	1008.444	1016.525	23926.88	50687.31	48274.49	954.5660	48403.31
#3	996.2012	1016.607	23845.46	51275.61	48268.75	948.6036	48845.41
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1007.265	1002.373	955.1080	1160.442	997.4488	1016.194	1004.144
SDEV	7.943	4.578	3.1130	12.701	5.3192	11.431	4.007
%RSD	.7885971	.4567608	.3259276	1.094468	.5332815	1.124883	.3990175
#1	1016.295	1002.247	956.1975	1174.584	1000.605	1008.212	1000.085
#2	1004.142	1007.013	951.5968	1156.735	991.3076	1011.081	1004.251
#3	1001.357	997.8585	957.5299	1150.008	1000.434	1029.289	1008.097
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1023.173	992.4370	999.9478	1027.846	1010.375	1036.980	979.3530
SDEV	6.253	5.2564	10.5989	18.670	10.898	3.746	8.4617
%RSD	.6111540	.5296476	1.059943	1.816437	1.078636	.3612735	.8640100
#1	1016.059	989.2320	1006.280	1007.322	1008.654	1034.327	969.6427
#2	1027.800	998.5034	987.7118	1032.392	1000.439	1035.348	985.1480
#3	1025.659	989.5757	1005.851	1043.823	1022.031	1041.266	983.2683
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	980.5675	961.9897	4712.377
SDEV	3.2682	8.0372	74.314
%RSD	.3332936	.8354742	1.576995
#1	983.0582	954.7942	4793.733
#2	976.8669	960.5115	4695.333
#3	981.7774	970.6633	4648.066
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB OPERATOR:
RUN TIME: 06/01/10 21:58:00
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0695733	44.43385	.3741645	1.229513	387.3158	.1986629	.3882265
SDEV	.2263361	8.29477	.0791287	.261231	.5074	.1672647	.0899036
%RSD	325.3203	18.66769	21.14811	21.24675	.1309980	84.19524	23.15752
#1	.0579777	52.80225	.4643211	1.484847	386.7301	.0109991	.4727962
#2	.3014843	44.28457	.3419389	1.240932	387.5959	.3320449	.3980822
#3	-.150742	36.21472	.3162334	.9627587	387.6213	.2529447	.2938011
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2589616	-.405380	.3694720	-1412.02	22.78347	.3461343	89.35780
SDEV	.4510144	.198804	5.129283	2.45	1.17893	.0835444	43.46477
%RSD	174.1627	49.04133	1388.274	.1731768	5.174501	24.13640	48.64127
#1	-.089639	-.629983	-2.61833	-1410.34	22.40087	.2658265	59.20595
#2	.7683324	-.251993	-2.56543	-1410.89	24.10618	.4325770	69.68700
#3	.0981908	-.334164	6.292179	-1414.82	21.84336	.3399995	139.1805
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.8810837	-.013146	.4095718	.4111229	-.256674	.4934796	.3785117
SDEV	.5977739	2.484170	.3768946	.1182551	1.123694	1.395895	1.168787
%RSD	67.84530	18896.95	92.02164	28.76393	437.7910	282.8678	308.7850
#1	.4059576	2.407452	.8220155	.3457697	-1.55060	-.860456	-.289444
#2	1.552265	.1094588	.3236295	.5476310	.4740238	1.927856	-.303109
#3	.6850284	-2.55635	.0830703	.3399679	.3065517	.4130385	1.728088
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-3.78973	-.963199	.0934966	1.483801	-.003501	1.510833	1.528278
SDEV	2.47508	2.937090	2.916258	.176979	2.132274	1.777685	1.365572
%RSD	65.31022	304.9309	3119.106	11.92739	60898.04	117.6626	89.35368
#1	-1.84150	1.621121	-3.13668	1.657678	-2.12024	-.181685	1.817136
#2	-2.95295	-.353394	.8845593	1.489850	2.143977	3.362926	2.726312
#3	-6.57474	-4.15732	2.532613	1.303876	-.034242	1.351256	.0413849
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.4846914	.2373877	4715.511
SDEV	.7437569	.1816991	70.269
%RSD	153.4496	76.54108	1.490167
#1	1.335614	.0441211	4638.400
#2	-.041379	.4047358	4732.200
#3	.1598391	.2633063	4775.933
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005134-06 OPERATOR:
RUN TIME: 06/01/10 22:05:08
COMMENT: SDG:1005134 CLIENTID:SS33-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0231911	1437.822	3.385306	.8010299	648.4856	-.299300	-1.28581
SDEV	.3762751	4.697	.015597	.1831074	3.9872	.194223	.33632
%RSD	1622.498	.3266574	.4607211	22.85899	.6148457	64.89251	26.15649
#1	-.289889	1433.646	3.367300	.7443231	643.8865	-.340733	-1.50276
#2	.4406308	1436.915	3.394655	.6529845	650.6011	-.469462	-1.45628
#3	-.081169	1442.907	3.393962	1.005782	650.9691	-.087703	-.898385
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	6.618086	.8052837	389.1172	L-1339.98	95.71989	24.75800	462.5214
SDEV	.554507	.0502076	12.9871	3.76	3.39219	.19249	52.4880
%RSD	8.378655	6.234774	3.337593	.2804737	3.543874	.7774760	11.34824
#1	6.108926	.8491086	380.5782	L-1343.92	91.81478	24.58306	405.4484
#2	6.536445	.8162397	382.7105	L-1336.43	97.40872	24.72671	508.7214
#3	7.208887	.7505028	404.0628	L-1339.58	97.93617	24.96421	473.3943
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.7928055	L-10.4731	2.604222	12.60295	7.082749	-1.44316	10.67924
SDEV	.3806898	1.1078	.522009	.65883	.401542	.70794	1.37438
%RSD	48.01806	10.57770	20.04473	5.227597	5.669301	49.05484	12.86962
#1	.6354947	-9.38965	2.487891	11.99395	6.716156	-1.13631	9.476367
#2	.5159828	L-11.6038	3.174583	12.51261	7.020193	-2.25275	10.38417
#3	1.226939	L-10.4260	2.150192	13.30229	7.511898	-.940413	12.17719
ERRORS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-3.70933	12.20480	4.522764	-29.1026	12.36326	23.63145	-2.25072
SDEV	1.73036	.72029	.961226	.6405	1.35698	1.90215	.72500
%RSD	46.64883	5.901668	21.25306	2.200862	10.97589	8.049212	32.21196
#1	-2.13240	12.82502	3.663390	-29.6484	13.09576	21.43582	-1.45602
#2	-3.43519	12.37458	4.344124	-28.3975	10.79744	24.67872	-2.42009
#3	L-5.56039	11.41478	5.560779	-29.2621	13.19658	24.77981	-2.87604
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.3136062	236.0521	4673.777
SDEV	.1904789	.4013	30.756
%RSD	60.73824	.1699970	.6580576
#1	.0942948	235.5993	4667.466
#2	.4088023	236.3636	4707.200
#3	.4377216	236.1935	4646.667
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005134-07 OPERATOR:
RUN TIME: 06/01/10 22:12:16
COMMENT: SDG:1005134 CLIENTID:SS33-4-5 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0927644	11567.27	15.84702	1.479367	759.5168	-.400150	-2.35536
SDEV	.1254250	105.48	.05498	.084148	2.1257	.215597	.27553
%RSD	135.2082	.9118504	.3469395	5.688138	.2798811	53.87900	11.69782
#1	.0579777	11505.63	15.86846	1.482109	758.1254	-.379358	-2.37584
#2	-.011596	11689.06	15.78455	1.393881	758.4614	-.625389	-2.62007
#3	.2319110	11507.12	15.88805	1.562110	761.9638	-.195702	-2.07016
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	15.03950	2.393937	4629.033	L-1166.65	245.8811	18.02495	465.7558
SDEV	.39854	.131475	40.910	2.78	.9326	.06934	61.2052
%RSD	2.649972	5.491993	.8837670	.2379007	.3792703	.3846999	13.14104
#1	15.37124	2.525412	4613.318	L-1164.73	246.9338	17.95227	400.6906
#2	14.59741	2.262462	4598.311	L-1169.83	245.1584	18.03219	474.3935
#3	15.14986	2.393937	4675.471	L-1165.38	245.5510	18.09038	522.1833
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	7.835130	-8.49450	12.79601	14.70881	26.81268	.2296846	11.67068
SDEV	.482065	1.63255	.10321	.48066	1.71729	1.452569	1.10125
%RSD	6.152611	19.21889	.8065420	3.267834	6.404772	632.4190	9.436056
#1	8.200401	-9.54925	12.91025	15.21135	24.93615	-1.34404	12.16432
#2	7.288737	-9.32021	12.76826	14.25352	28.30598	1.519041	10.40897
#3	8.016253	-6.61404	12.70951	14.66158	27.19592	.5140531	12.43875
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-3.90100	33.04153	23.69987	-23.8577	12.25260	14.04811	-.038499
SDEV	1.27466	2.01049	2.25364	1.9759	1.59907	.49463	.291438
%RSD	32.67513	6.084723	9.509081	8.282042	13.05087	3.520978	756.9923
#1	-3.51690	31.30249	21.75469	-25.9665	10.94603	13.87556	-.343620
#2	L-5.32355	32.57919	26.16949	-23.5575	14.03579	13.66287	.2369913
#3	-2.86257	35.24292	23.17543	-22.0491	11.77599	14.60591	-.008869
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.6928499	217.3848	4443.866
SDEV	.3358469	.9736	38.662
%RSD	48.47326	.4478725	.8700173
#1	.7710863	217.2851	4446.400
#2	.3247903	218.4045	4403.999
#3	.9826731	216.4649	4481.200
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005134-08 OPERATOR:
RUN TIME: 06/01/10 22:19:25
COMMENT: SDG:1005134 CLIENTID:SS33-5-6 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.707328	85853.93	380.9401	1.187728	1513.108	1.270701	2.751848
SDEV	.000000	255.54	.9093	.070697	11.826	.079514	.220357
%RSD	.0000000	.2976445	.2387093	5.952319	.7815769	6.257455	8.007619
#1	-.707328	85894.91	381.2910	1.267814	1503.429	1.326726	2.982289
#2	-.707328	85580.38	381.6217	1.161390	1509.605	1.305681	2.543193
#3	-.707328	86086.50	379.9076	1.133981	1526.290	1.179694	2.730061
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	86.10802	8.140482	36422.57	1423.584	2882.273	77.25517	603.1797
SDEV	.55199	.175727	249.33	7.830	13.257	.42265	39.0121
%RSD	.6410379	2.158685	.6845380	.5500243	.4599393	.5470841	6.467747
#1	86.70433	8.047355	36272.52	1432.618	2876.065	76.78802	644.8538
#2	86.00478	8.030918	36284.80	1419.378	2873.258	77.36645	567.5306
#3	85.61494	8.343172	36710.38	1418.755	2897.494	77.61105	597.1547
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	21.02735	-9.78028	107.6322	37.33799	50.60363	.4230400	8.382645
SDEV	1.04090	4.10780	1.2935	.28818	1.73361	.8482001	3.810934
%RSD	4.950231	42.00087	1.201798	.7718119	3.425858	200.5011	45.46218
#1	21.34280	L-12.7616	106.9538	37.12197	50.88140	.6327995	6.207211
#2	19.86521	L-11.4847	106.8189	37.22680	48.74791	1.146680	6.157685
#3	21.87404	-5.09464	109.1238	37.66520	52.18159	-.510359	12.78304
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	4.667156	52.22003	49.79350	-21.4901	11.36068	16.17091	.0370009
SDEV	2.316759	2.33937	2.92839	2.2077	1.32592	1.79938	.7605576
%RSD	49.63964	4.479826	5.881062	10.27307	11.67117	11.12724	2055.510
#1	2.716389	54.85945	48.89219	-23.5811	12.71907	18.08133	-.595861
#2	7.227865	51.39801	47.42171	-19.1818	11.29315	14.50826	.8807478
#3	4.057215	50.40262	53.06659	-21.7075	10.06980	15.92313	-.173884
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.738441	778.2841	4803.044
SDEV	.350507	3.8687	6.868
%RSD	20.16215	.4970745	.1429867
#1	1.887719	777.8152	4795.600
#2	1.338007	774.6711	4809.133
#3	1.989596	782.3657	4804.400
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005134-09 OPERATOR:
RUN TIME: 06/01/10 22:26:33
COMMENT: SDG:1005134 CLIENTID:SS31-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.753711	32722.15	756.7734	1.640653	2335.815	.2304707	-2.33159
SDEV	.281177	117.26	3.4987	.210270	38.851	.3338901	.91386
%RSD	37.30571	.3583600	.4623195	12.81625	1.663285	144.8732	39.19463
#1	-.707328	32847.50	752.7999	1.447990	2363.005	.5369573	-2.16357
#2	-.498609	32615.13	759.3919	1.609023	2353.122	.2797911	-1.51341
#3	-1.05519	32703.83	758.1285	1.864947	2291.317	-.125336	-3.31781
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	34.64639	10.82476	18756.36	-307.055	763.2205	70.18506	514.4825
SDEV	.74893	.39851	62.48	10.961	1.0362	.23591	62.1907
%RSD	2.161643	3.681483	.3331111	3.569786	.1357730	.3361266	12.08800
#1	34.28670	11.18632	18795.35	-314.693	763.1539	70.42155	578.1162
#2	35.50731	10.89049	18789.44	-311.975	762.2192	69.94973	511.4883
#3	34.14515	10.39747	18684.30	-294.495	764.2885	70.18391	453.8431
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	11.66380	L-10.5006	42.98524	24.48072	50.22055	1.414015	10.86863
SDEV	.29178	2.2247	.41013	.97154	1.35763	1.039744	1.49491
%RSD	2.501622	21.18685	.9541113	3.968609	2.703343	73.53133	13.75439
#1	11.95757	-8.08003	42.51249	25.52653	50.27363	2.596655	11.58819
#2	11.65981	L-12.4560	43.24589	24.30939	48.83716	1.001834	9.150015
#3	11.37404	L-10.9658	43.19732	23.60624	51.55087	.6435573	11.86770
ERRORS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2775556	52.74246	48.95855	-22.2136	13.20752	13.27167	-2.96048
SDEV	.7431037	1.63252	1.23138	1.1087	1.43929	3.58393	1.02640
%RSD	267.7314	3.095273	2.515139	4.990883	10.89749	27.00438	34.66994
#1	1.072894	53.04536	48.88694	-21.5243	14.63645	12.48216	-1.78118
#2	.1587793	50.97971	47.76455	-23.4925	13.22803	17.18452	-3.65223
#3	-.399006	54.20233	50.22417	-21.6241	11.75809	10.14831	-3.44803
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.2208981	488.1044	4637.244
SDEV	.5120509	4.6753	36.791
%RSD	231.8042	.9578547	.7933803
#1	.0932353	488.1532	4676.733
#2	.7847022	492.7552	4631.066
#3	-.215243	483.4049	4603.933
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005134-10 OPERATOR:
RUN TIME: 06/01/10 22:33:42
COMMENT: SDG:1005134 CLIENTID:SS32-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1623377	22327.32	34.92711	.9743903	802.2178	-.247420	-1.93279
SDEV	.2115989	287.99	.27844	.1061603	1.8050	.107995	.18094
%RSD	130.3449	1.289866	.7971978	10.89505	.2250033	43.64841	9.361710
#1	.4058442	22637.87	35.21541	1.096954	803.3693	-.332233	-1.73819
#2	.0579777	22275.04	34.65971	.9150284	803.1466	-.125843	-1.96424
#3	.0231911	22069.05	34.90621	.9111889	800.1375	-.284186	-2.09595
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	23.43767	5.521942	3801.771	-943.950	423.0858	24.67584	570.0715
SDEV	.33635	.141692	34.376	8.188	6.3010	.01848	68.3621
%RSD	1.435091	2.565973	.9041979	.8673848	1.489299	.0748908	11.99185
#1	23.73078	5.647939	3767.457	-934.538	421.4925	24.69659	648.7211
#2	23.51178	5.368555	3836.208	-947.887	430.0306	24.66114	536.5825
#3	23.07044	5.549333	3801.648	-949.426	417.7345	24.66980	524.9109
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	5.744545	-9.03698	22.10203	20.78993	27.21559	.3603543	12.30360
SDEV	.278907	2.22832	.75726	.21491	1.53404	2.062032	.74348
%RSD	4.855161	24.65774	3.426183	1.033717	5.636635	572.2235	6.042816
#1	5.568110	-8.21077	22.96609	20.86267	27.77023	.2644503	13.14808
#2	5.599434	-7.33978	21.78612	20.54809	28.39517	2.468665	12.01518
#3	6.066091	L-11.5604	21.55387	20.95903	25.48137	-1.65205	11.74754
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.75252	31.23440	25.20626	-24.6185	12.82842	12.04800	-.360992
SDEV	1.55092	3.71509	2.06956	3.7049	1.78060	.81737	1.457738
%RSD	56.34535	11.89421	8.210511	15.04938	13.88012	6.784292	403.8147
#1	-4.21654	35.41146	23.95239	-22.5678	11.66084	11.59681	1.292191
#2	-2.91373	29.99203	27.59500	-22.3922	14.87786	12.99152	-1.46188
#3	-1.12729	28.29971	24.07139	-28.8953	11.94658	11.55567	-.913286
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.6762418	404.9472	4626.911
SDEV	1.008505	.7314	36.537
%RSD	149.1338	.1806285	.7896643
#1	1.027296	404.1433	4595.066
#2	1.462303	405.1246	4618.866
#3	-.460874	405.5736	4666.800
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005134-11 OPERATOR:
RUN TIME: 06/01/10 22:40:50
COMMENT: SDG:1005134 CLIENTID:SS32D-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.046382	16306.18	40.87495	.9962948	713.4944	-.365315	-1.67590
SDEV	.243507	39.84	.56744	.1925177	4.1811	.061368	.14572
%RSD	525.0001	.2443076	1.388235	19.32337	.5859979	16.79863	8.695083
#1	-.046382	16261.35	40.26773	.7823691	717.3152	-.360960	-1.56050
#2	.1971243	16319.67	40.96537	1.050914	714.1399	-.306241	-1.62754
#3	-.289889	16337.53	41.39175	1.155602	709.0281	-.428744	-1.83965
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	20.28588	5.248036	3149.888	L-1022.20	346.5421	24.57300	469.7408
SDEV	.38731	.262092	20.598	5.13	3.3685	.05306	64.2110
%RSD	1.909262	4.994104	.6539373	.5014672	.9720344	.2159223	13.66946
#1	20.71057	5.549333	3163.917	L-1027.13	350.2856	24.63089	482.6081
#2	19.95213	5.072736	3159.507	L-1022.57	345.5852	24.56143	526.5439
#3	20.19493	5.122039	3126.240	L-1016.90	343.7557	24.52668	400.0705
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3.644979	L-11.8613	17.65634	10.51439	27.55396	1.359096	12.97373
SDEV	.749497	3.0258	.02571	.20063	.79682	1.183711	.95305
%RSD	20.56246	25.50959	.1456112	1.908166	2.891837	87.09544	7.346026
#1	4.134113	-9.68234	17.63212	10.54129	27.70607	1.517175	13.65160
#2	4.018721	L-15.3160	17.65359	10.70021	26.69205	2.455824	13.38557
#3	2.782102	L-10.5855	17.68332	10.30166	28.26375	.1042889	11.88401
ERRORS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-4.88147	31.85242	25.40501	-21.6220	12.82978	12.63949	.3661674
SDEV	1.36524	.29774	1.28506	1.1515	2.16440	2.60096	.2355166
%RSD	27.96788	.9347484	5.058280	5.325440	16.87010	20.57802	64.31936
#1	-3.75853	31.54127	25.78844	-20.6468	12.57997	14.48241	.1706901
#2	-4.48473	32.13464	23.97188	-22.8923	15.10825	13.77174	.6276422
#3	L-6.40114	31.88134	26.45471	-21.3268	10.80113	9.664324	.3001700
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.5245300	383.4703	4624.822
SDEV	.4619900	2.8816	44.264
%RSD	88.07694	.7514593	.9571058
#1	.4245378	386.6538	4675.533
#2	.1207245	382.7170	4604.999
#3	1.028328	381.0402	4593.933
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005134-12 OPERATOR:
RUN TIME: 06/01/10 22:47:59
COMMENT: SDG:1005134 CLIENTID:SB32-2.5-3.5 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.347866	116512.7	163.9457	1.258449	791.0448	1.635396	1.566701
SDEV	.315646	1188.9	.2696	.155119	4.3432	.051974	.344848
%RSD	90.73772	1.020441	.1644465	12.32622	.5490420	3.178081	22.01107
#1	-.220315	117757.9	163.7487	1.411474	787.3537	1.693675	1.357643
#2	-.707328	116390.7	163.8353	1.262556	795.8306	1.618665	1.964728
#3	-.115955	115389.4	164.2529	1.101317	789.9501	1.593848	1.377733
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	131.6925	15.71672	16002.15	1281.940	3067.064	53.48454	540.4448
SDEV	2.5886	.06222	172.98	30.763	23.941	.63041	90.0623
%RSD	1.965646	.3958793	1.080958	2.399756	.7805688	1.178673	16.66448
#1	132.5785	15.67289	15993.06	1312.569	3075.590	53.54405	524.1265
#2	133.7219	15.68933	16179.49	1282.208	3085.575	54.08308	637.5506
#3	128.7773	15.78793	15833.90	1251.044	3040.028	52.82649	459.6573
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	20.87279	-4.96003	107.6500	78.09603	50.65643	-.175971	11.00869
SDEV	.07176	2.68181	1.2006	.92544	.67786	1.203912	.91805
%RSD	.3437848	54.06840	1.115313	1.185005	1.338142	684.1531	8.339329
#1	20.89779	-1.86472	107.7796	77.19728	50.25031	.0578450	12.06778
#2	20.79188	-6.42775	108.7806	79.04604	50.28002	-1.47964	10.51882
#3	20.92871	-6.58762	106.3899	78.04479	51.43896	.8938817	10.43948
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.302068	52.88313	49.54157	-23.2977	11.36500	17.11155	-1.12478
SDEV	.803085	1.93536	1.59062	2.1207	2.55306	.69392	.83175
%RSD	34.88538	3.659697	3.210685	9.102682	22.46425	4.055257	73.94803
#1	1.963929	55.04593	47.85289	-21.5277	10.83189	16.33437	-1.55912
#2	1.723345	51.31455	49.76035	-22.7170	9.120583	17.33126	-.165771
#3	3.218929	52.28891	51.01149	-25.6482	14.14252	17.66901	-1.64944
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.548747	1045.186	4761.267
SDEV	.150915	9.114	56.347
%RSD	9.744305	.8720312	1.183438
#1	1.620885	1050.606	4711.667
#2	1.375302	1050.289	4749.600
#3	1.650055	1034.663	4822.533
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005134-13 OPERATOR:
RUN TIME: 06/01/10 22:55:07
COMMENT: SDG:1005134 CLIENTID:SB32D-2.5-3.5 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.394249	117665.9	177.3506	1.183675	779.1629	1.711496	1.877720
SDEV	.526417	913.4	2.1640	.163256	5.2460	.373912	.307592
%RSD	133.5242	.7763010	1.220189	13.79233	.6732813	21.84708	16.38113
#1	.1971243	117723.2	175.1593	1.081029	785.2024	2.142820	2.218279
#2	-.811688	116725.2	179.4862	1.098065	776.5471	1.479126	1.620105
#3	-.568182	118549.4	177.4063	1.371930	775.7393	1.512541	1.794777
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	141.0121	18.64203	16688.71	1527.033	3368.188	58.92687	486.2396
SDEV	1.3267	.43305	79.20	49.193	29.707	.49402	45.0050
%RSD	.9408226	2.322968	.4745684	3.221471	.8819787	.8383628	9.255714
#1	139.7517	19.12411	16630.75	1489.082	3345.545	58.79798	537.9051
#2	140.8882	18.51603	16656.43	1509.406	3357.194	58.51007	455.5635
#3	142.3964	18.28595	16778.95	1582.611	3401.824	59.47256	465.2504
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	21.85228	-9.68317	116.4483	49.48405	54.26526	.7907276	12.17156
SDEV	1.19272	2.85996	1.5485	.46306	.82795	1.409181	2.77324
%RSD	5.458116	29.53541	1.329763	.9357792	1.525753	178.2132	22.78455
#1	21.05648	-7.14846	117.1950	49.00528	54.30631	1.691766	8.986626
#2	23.22364	L-12.7838	114.6679	49.51726	55.07192	1.513617	13.47596
#3	21.27674	-9.11727	117.4819	49.92962	53.41754	-.833200	14.05209
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.395077	54.78989	54.00017	-17.5814	9.960481	15.57175	-.102449
SDEV	1.799738	5.38132	2.75390	4.1804	1.675222	1.30954	.365313
%RSD	75.14324	9.821742	5.099806	23.77744	16.81869	8.409742	356.5798
#1	.7366751	60.94791	50.98734	-12.8186	8.933557	14.78181	-.069188
#2	2.139687	52.43041	56.38756	-19.2826	11.89360	14.85007	.2450961
#3	4.308867	50.99136	54.62561	-20.6430	9.054281	17.08336	-.483255
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.139443	1110.081	4780.489
SDEV	.248717	15.963	54.111
%RSD	21.82798	1.437986	1.131921
#1	1.121445	1127.701	4806.667
#2	.9002132	1096.583	4816.533
#3	1.396670	1105.961	4718.267
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005134-14 OPERATOR:
RUN TIME: 06/01/10 23:02:16
COMMENT: SDG:1005134 CLIENTID:SB50-1-2 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2782932	44393.19	26.97829	1.364343	633.6047	.3476954	-1.30175
SDEV	.2702037	218.69	.10769	.267524	6.9832	.2050226	.33051
%RSD	97.09316	.4926196	.3991732	19.60830	1.102131	58.96616	25.38931
#1	.0579777	44221.69	27.05644	1.670476	626.0948	.1389289	-1.68085
#2	.1971243	44318.43	27.02298	1.247074	634.8171	.3554003	-1.07413
#3	.5797774	44639.46	26.85545	1.175480	639.9023	.5487568	-1.15028
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	50.19344	.7998053	9483.822	-824.744	473.7077	9.530475	493.5126
SDEV	1.10060	.3715034	113.577	6.719	5.5543	.091068	35.4768
%RSD	2.192726	46.44923	1.197585	.8146831	1.172519	.9555501	7.188632
#1	49.62682	.3725124	9399.759	-817.308	469.6365	9.593686	476.4885
#2	49.49159	1.046320	9438.678	-830.380	471.4515	9.426090	469.7564
#3	51.46191	.9805834	9613.030	-826.544	480.0351	9.571647	534.2929
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	11.21292	-8.95373	62.13674	9.208539	19.39051	5.597073	11.12574
SDEV	.69786	1.62729	1.72074	.714925	.58029	1.899746	1.04035
%RSD	6.223667	18.17442	2.769282	7.763719	2.992674	33.94178	9.350805
#1	11.06442	-8.89077	60.26735	8.383203	19.86354	6.868064	12.10753
#2	10.60127	L-10.6116	62.48835	9.636459	19.56499	3.413200	10.03536
#3	11.97308	-7.35884	63.65452	9.605955	18.74299	6.509955	11.23435
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.9571805	26.32384	15.92607	-16.8278	16.79006	15.35743	-.518364
SDEV	1.239415	1.43222	.95985	1.1629	2.27527	1.85249	1.499525
%RSD	129.4860	5.440766	6.026913	6.910722	13.55127	12.06250	289.2805
#1	1.566000	25.52436	17.03436	-16.2165	18.39038	17.08864	-1.70089
#2	-.468904	27.97733	15.36218	-18.1689	14.18544	15.57989	1.168254
#3	1.774445	25.46984	15.38168	-16.0979	17.79435	13.40375	-1.02246
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.1996475	302.4931	4589.866
SDEV	.4106109	3.3086	75.280
%RSD	205.6679	1.093771	1.640133
#1	-.067008	298.6727	4503.466
#2	.6724932	304.3962	4624.800
#3	-.006542	304.4104	4641.333
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005134-15 OPERATOR:
RUN TIME: 06/01/10 23:09:24
COMMENT: SDG:1005134 CLIENTID:SS12-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.544991	126649.7	231.3531	1.575980	2439.257	2.423208	-1.14592
SDEV	.383180	691.9	.7613	.347304	8.919	.398304	.80838
%RSD	70.30941	.5463246	.3290833	22.03735	.3656625	16.43704	70.54362
#1	-.289889	126974.4	232.0956	1.802545	2433.571	1.982751	-.756424
#2	-.985622	127119.5	231.3896	1.749265	2449.537	2.528790	-.606039
#3	-.359462	125855.1	230.5742	1.176129	2434.663	2.758083	-2.07531
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	149.9998	20.76206	80542.79	2055.522	3990.242	93.17149	523.0861
SDEV	1.7656	.43770	1090.36	44.334	53.372	1.06455	25.0938
%RSD	1.177035	2.108182	1.353760	2.156837	1.337556	1.142572	4.797251
#1	151.4977	20.65250	81115.97	2085.577	4017.133	94.27709	527.5423
#2	150.4486	20.38955	81227.02	2076.383	4024.820	93.08401	545.6533
#3	148.0532	21.24414	79285.39	2004.605	3928.774	92.15339	496.0628
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	28.10180	-2.00951	223.6942	63.50372	69.21494	1.245050	9.303536
SDEV	.36013	1.50361	3.9285	1.04379	1.27719	2.827096	1.699932
%RSD	1.281511	74.82484	1.756198	1.643667	1.845252	227.0669	18.27189
#1	27.72370	-.655960	226.7626	63.17663	67.97257	-2.01626	11.26546
#2	28.44076	-1.74459	225.0534	64.67188	70.52432	2.999666	8.268568
#3	28.14094	-3.62797	219.2665	62.66265	69.14795	2.751743	8.376582
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	12.61687	66.46380	70.58533	-19.2022	11.45086	15.09253	-.534361
SDEV	.64096	1.16374	1.97604	1.1607	4.12720	1.99447	.810896
%RSD	5.080197	1.750933	2.799511	6.044388	36.04275	13.21498	151.7508
#1	11.98861	65.68994	69.10902	-19.6044	6.762100	16.50251	-1.44262
#2	12.59218	65.89934	72.83018	-20.1083	14.53380	15.96451	-.277322
#3	13.26982	67.80212	69.81679	-17.8940	13.05667	12.81055	.1168644
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.142885	836.2238	4836.400
SDEV	1.083586	2.4463	77.929
%RSD	50.56666	.2925397	1.611302
#1	3.190107	833.8976	4794.066
#2	1.026272	835.9991	4788.800
#3	2.212277	838.7747	4926.333
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV1 OPERATOR:
RUN TIME: 06/01/10 23:16:33
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	106.5979	47419.19	968.9929	996.5664	47622.90	1030.587	972.8967
SDEV	1.1921	374.79	10.0542	14.0473	789.53	17.356	12.5130
%RSD	1.118303	.7903809	1.037595	1.409569	1.657879	1.684103	1.286158
#1	106.8878	47666.16	959.7400	1001.157	47999.34	1034.366	982.3803
#2	105.2876	46987.93	967.5468	980.7982	46715.60	1011.653	958.7145
#3	107.6183	47603.47	979.6918	1007.744	48153.76	1045.743	977.5951
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1002.036	1036.898	24154.96	53581.72	49334.40	961.0566	50711.02
SDEV	16.722	8.274	390.17	167.35	650.50	10.6949	329.33
%RSD	1.668779	.7980013	1.615286	.3123288	1.318559	1.112831	.6494266
#1	1014.712	1034.783	24414.57	53768.54	49800.61	972.9861	51090.98
#2	983.0845	1029.886	23706.27	53445.53	48591.25	952.3264	50507.48
#3	1008.312	1046.024	24344.04	53531.10	49611.34	957.8574	50534.61
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1021.612	1039.753	968.6252	1154.084	1017.250	1057.745	1037.921
SDEV	15.258	7.512	18.7526	24.851	7.845	9.439	13.527
%RSD	1.493518	.7224425	1.936005	2.153309	.7711553	.8923546	1.303265
#1	1027.525	1034.428	981.8506	1168.872	1023.441	1065.309	1045.172
#2	1004.283	1036.486	947.1640	1125.393	1008.428	1047.168	1022.315
#3	1033.029	1048.345	976.8610	1167.988	1019.881	1060.759	1046.277
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1050.249	1011.527	1020.104	1074.155	1049.550	1058.671	1021.274
SDEV	9.112	11.886	5.832	12.347	11.697	11.992	6.694
%RSD	.8676037	1.175018	.5716622	1.149442	1.114475	1.132715	.6554766
#1	1054.853	1021.181	1024.566	1071.556	1062.188	1067.066	1027.072
#2	1039.754	998.2517	1013.506	1063.314	1039.104	1044.937	1013.948
#3	1056.141	1015.148	1022.241	1087.594	1047.359	1064.011	1022.802
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1002.976	984.4887	4567.800
SDEV	9.072	2.6047	26.389
%RSD	.9045532	.2645712	.5777270
#1	1004.591	985.1219	4542.999
#2	993.2045	981.6258	4564.866
#3	1011.133	986.7184	4595.533
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB1 OPERATOR:
RUN TIME: 06/01/10 23:23:42
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1623377	29.95138	.1194437	.8678140	374.6115	-.133584	-.562735
SDEV	.5053052	5.18321	.0713999	.1343220	4.1841	.452685	.446659
%RSD	311.2680	17.30540	59.77702	15.47820	1.116925	338.8757	79.37285
#1	.6841373	25.35688	.0416281	.7659200	369.7989	-.646663	-1.03058
#2	.1275510	28.92697	.1819416	.8174910	376.6490	.2094751	-.516826
#3	-.324675	35.57031	.1347616	1.020031	377.3866	.0364354	-.140804
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4851584	-.953192	-1.35456	-1426.80	8.787741	.1421695	71.91901
SDEV	.2536517	.239476	12.95775	3.83	4.693575	.0518338	76.99771
%RSD	52.28223	25.12357	956.6022	.2687303	53.41049	36.45913	107.0617
#1	.5782742	-.925801	13.57313	-1429.00	3.488369	.0823181	146.7399
#2	.1981088	-.728589	-9.69943	-1422.38	12.42086	.1717876	76.10204
#3	.6790921	-1.20518	-7.93738	-1429.04	10.45399	.1724028	-7.08495
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1101962	-.655167	.3676845	1.581856	.3220292	-.704253	.0790915
SDEV	.3782585	2.125967	.4158644	.621068	.6619191	1.687723	1.759651
%RSD	343.2590	324.4925	113.1036	39.26197	205.5463	239.6471	2224.830
#1	.5139667	.7670345	.8023295	.9592676	1.074954	-1.22878	1.962566
#2	-.235934	-3.09911	.3271559	2.201392	-.168299	-2.06743	-.202522
#3	.0525560	.3665753	-.026432	1.584908	.0594331	1.183453	-1.52277
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.65000	.8343449	.0636885	-5.17982	1.527712	.7092379	.8795400
SDEV	1.81356	1.344840	.3340730	6.14916	.657885	1.273139	1.608963
%RSD	109.9130	161.1852	524.5424	118.7138	43.06344	179.5080	182.9324
#1	-1.04597	2.323976	.4488204	-7.99453	2.146464	.2190377	2.197965
#2	-3.68849	-.290399	-.109908	-9.41783	1.600007	-.245937	-.913286
#3	-.215530	.4694582	-.147847	1.872911	.8366653	2.154613	1.353942
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.2613476	.1325064	4704.244
SDEV	.7759193	.0431916	15.080
%RSD	296.8916	32.59588	.3205615
#1	.9508027	.1366747	4721.200
#2	.4121396	.0873817	4699.200
#3	-.578899	.1734627	4692.333
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005134-16 OPERATOR:
RUN TIME: 06/01/10 23:30:51
COMMENT: SDG:1005134 CLIENTID:SB12-2-3 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.927644	89009.03	122.4665	1.616468	1251.222	.9200609	2.159698
SDEV	.321345	1926.17	2.1553	.242272	14.749	.3425661	.441227
%RSD	34.64102	2.164015	1.759893	14.98774	1.178785	37.23298	20.43002
#1	-1.29870	86793.26	119.9780	1.336734	1234.283	.5965304	1.671668
#2	-.742115	89949.90	123.6876	1.759056	1261.225	.8847284	2.530405
#3	-.742115	90283.93	123.7340	1.753613	1258.158	1.278924	2.277021
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	80.24718	4.141457	21553.15	1591.256	2530.496	54.57458	448.3581
SDEV	1.43084	.093450	428.21	55.593	55.720	1.27217	29.7718
%RSD	1.783044	2.256447	1.986771	3.493629	2.201952	2.331072	6.640175
#1	78.93668	4.218150	21068.90	1528.233	2466.298	53.12392	433.6783
#2	81.77378	4.037372	21881.81	1612.201	2566.296	55.50015	428.7771
#3	80.03106	4.168847	21708.75	1633.333	2558.894	55.09969	482.6189
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	14.72476	-8.34063	93.64483	38.05402	54.32536	.5651751	12.58623
SDEV	.39559	2.50572	1.79006	.76257	.52677	.7724540	1.10845
%RSD	2.686544	30.04237	1.911543	2.003922	.9696663	136.6752	8.806869
#1	15.09298	L-11.1517	91.74146	37.17449	53.71867	-.289178	11.34268
#2	14.77474	-6.34181	93.89852	38.53043	54.66662	.7704378	13.47042
#3	14.30655	-7.52835	95.29451	38.45713	54.59079	1.214265	12.94559
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.248418	51.70549	55.63034	-23.2973	12.47589	16.35561	-.568043
SDEV	.808846	2.92499	.68694	2.5130	.32342	1.56987	1.024015
%RSD	64.78970	5.657017	1.234836	10.78674	2.592346	9.598375	180.2705
#1	1.900265	48.40284	56.36969	-26.1974	12.64291	16.70438	-1.45512
#2	1.501765	53.96914	55.01183	-21.9343	12.10311	14.64068	-.801580
#3	.3432244	52.74451	55.50951	-21.7603	12.68164	17.72176	.5525684
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.0183595	672.0858	4574.956
SDEV	.4786356	13.1659	95.010
%RSD	2607.025	1.958961	2.076750
#1	.2020648	656.8993	4681.933
#2	.3779283	679.0720	4542.533
#3	-.524915	680.2861	4500.400
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005134-17 OPERATOR:
RUN TIME: 06/01/10 23:37:59
COMMENT: SDG:1005134 CLIENTID:SS40-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.846475	30557.94	91.01357	1.658507	911.6403	-.225332	-1.66456
SDEV	.125425	194.23	.64797	.285235	7.7331	.155592	.29917
%RSD	14.81734	.6356131	.7119513	17.19831	.8482620	69.05033	17.97317
#1	-.881262	30445.41	91.68146	1.977106	902.9725	-.385836	-1.53188
#2	-.707328	30782.22	90.97171	1.571525	917.8325	-.214991	-1.45467
#3	-.950835	30446.19	90.38754	1.426889	914.1159	-.075168	-2.00712
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	28.96957	3.582689	10277.75	-624.564	923.7501	51.60776	567.0989
SDEV	.47116	.037954	85.06	11.730	2.5818	.73958	30.8747
%RSD	1.626382	1.059367	.8275867	1.878032	.2794865	1.433072	5.444330
#1	28.51584	3.560776	10204.09	-611.919	921.1091	51.23516	536.9147
#2	28.93646	3.626514	10370.84	-626.685	923.8731	52.45953	565.7613
#3	29.45641	3.560776	10258.31	-635.089	926.2682	51.12859	598.6207
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	7.930787	-7.23185	33.80973	16.73037	43.41276	-1.52690	11.49043
SDEV	.657475	.36391	.35121	.70865	1.07556	.49525	.79663
%RSD	8.290164	5.032099	1.038789	4.235728	2.477523	32.43481	6.933015
#1	8.670475	-6.81186	33.43671	16.14562	43.04383	-1.92923	12.25318
#2	7.412890	-7.43014	34.13405	16.52703	44.62424	-1.67769	11.55433
#3	7.708994	-7.45356	33.85845	17.51846	42.57022	-.973788	10.66376
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.419841	50.03861	40.10199	-25.8365	10.60707	14.20727	.3588356
SDEV	1.687315	2.38078	.76782	.3816	.73067	1.34481	.4951711
%RSD	401.8933	4.757886	1.914676	1.477096	6.888517	9.465613	137.9939
#1	1.511159	50.48983	39.32347	-26.2029	10.18677	15.76006	.8427526
#2	-1.60997	52.16150	40.85865	-25.4413	10.18366	13.41895	-.146870
#3	-1.16071	47.46451	40.12384	-25.8654	11.45077	13.44281	.3806244
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.069769	424.9144	4656.267
SDEV	.396180	5.8007	44.868
%RSD	37.03419	1.365147	.9636017
#1	1.463298	422.2209	4624.533
#2	.6709896	431.5722	4636.667
#3	1.075020	420.9502	4707.600
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005134-19 OPERATOR:
RUN TIME: 06/01/10 23:45:08
COMMENT: SDG:1005134 CLIENTID:SS43-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2319110	1028.955	9.174023	.7592080	1586.103	-.133191	-.801860
SDEV	.1043599	17.022	.088495	.2452697	17.290	.219268	.482096
%RSD	45.00000	1.654324	.9646311	32.30599	1.090108	164.6263	60.12221
#1	.3362709	1048.550	9.273669	1.017283	1600.332	.1186660	-.382558
#2	.1275510	1020.492	9.104593	.5291497	1591.118	-.236662	-.694405
#3	.2319110	1017.822	9.143807	.7311914	1566.860	-.281578	-1.32862
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	5.679861	1.123014	505.9001	L-1287.13	113.8087	14.84079	517.7037
SDEV	.263875	.068422	7.2797	8.00	2.7399	.10121	97.7790
%RSD	4.645796	6.092688	1.438958	.6218179	2.407440	.6819605	18.88707
#1	5.513688	1.046320	497.7763	L-1277.99	116.7356	14.90745	605.8261
#2	5.984125	1.144927	511.8320	L-1290.49	113.3854	14.89059	534.7700
#3	5.541768	1.177795	508.0920	L-1292.90	111.3051	14.72433	412.5149
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.946179	-8.45349	4.534862	6.821185	20.98072	.9592559	11.95212
SDEV	.607355	1.63829	.209663	.146253	.36543	1.472329	1.29039
%RSD	31.20758	19.38007	4.623360	2.144093	1.741762	153.4866	10.79629
#1	1.356399	-6.89285	4.745207	6.680905	20.81315	2.649171	11.93797
#2	1.912434	-8.30791	4.533489	6.972755	21.39988	-.046618	13.24952
#3	2.569703	L-10.1597	4.325888	6.809893	20.72911	.2752150	10.66887
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-3.86857	25.33059	18.80644	-23.5106	13.17326	18.00724	-.072759
SDEV	2.32411	2.54898	1.38788	1.8615	2.20758	2.94241	1.058591
%RSD	60.07687	10.06286	7.379811	7.917875	16.75804	16.34013	1454.937
#1	-4.41354	28.03733	17.20386	-23.2910	15.59719	20.98311	1.068775
#2	-1.32039	24.97847	19.61069	-25.4723	12.64457	17.93913	-.264987
#3	L-5.87177	22.97598	19.60477	-21.7687	11.27803	15.09948	-1.02206
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.4747918	275.9925	4650.622
SDEV	1.386951	2.7011	44.656
%RSD	292.1178	.9787004	.9602160
#1	1.248632	277.1485	4602.466
#2	1.302167	277.9233	4690.667
#3	-1.12642	272.9057	4658.733
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005134-20 OPERATOR:
RUN TIME: 06/01/10 23:52:16
COMMENT: SDG:1005134 CLIENTID:SB43-3-4 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3594620	28851.33	15.12242	1.577673	6649.722	.0028600	-1.63776
SDEV	.1785112	121.51	.09283	.241457	74.393	.0942715	.38023
%RSD	49.66066	.4211579	.6138291	15.30462	1.118734	3296.173	23.21642
#1	.5102041	28937.17	15.04690	1.760186	6619.721	-.005494	-1.49616
#2	.1623377	28712.30	15.09431	1.668949	6595.014	-.086956	-2.06847
#3	.4058442	28904.53	15.22606	1.303884	6734.430	.1010307	-1.34865
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	19.55296	3.369042	2536.073	L-1142.27	344.9867	19.61294	495.0439
SDEV	.43952	.230276	10.088	3.39	2.4014	.25170	19.2905
%RSD	2.247842	6.835072	.3977748	.2967592	.6960786	1.283352	3.896723
#1	20.01742	3.297827	2542.489	L-1138.47	346.3684	19.50259	473.1227
#2	19.14357	3.182787	2524.445	L-1143.34	342.2139	19.43526	502.5812
#3	19.49788	3.626514	2541.285	L-1144.99	346.3780	19.90097	509.4277
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	8.953332	L-11.8570	19.26545	8.105968	17.65591	.5848323	10.79406
SDEV	.774720	.7406	.32514	.532980	1.99505	.8818544	.56424
%RSD	8.652869	6.245778	1.687658	6.575152	11.29964	150.7876	5.227353
#1	9.730141	L-11.3513	19.45941	8.614296	19.54841	-.349772	10.24370
#2	8.180718	L-11.5127	18.89009	8.152252	17.84723	1.402211	10.76727
#3	8.949139	L-12.7071	19.44686	7.551355	15.57209	.7020575	11.37123
ERRORS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.82134	23.85272	14.55925	-23.6711	12.69196	14.57928	.9825025
SDEV	1.15362	2.45473	3.67445	1.5333	.78297	.87430	2.231476
%RSD	40.88928	10.29118	25.23787	6.477468	6.169050	5.996865	227.1217
#1	-1.97689	24.35252	17.14692	-25.4227	12.16521	13.96079	2.142693
#2	-4.13577	21.18656	16.17738	-23.0187	13.59169	14.19751	-1.59007
#3	-2.35135	26.01909	10.35346	-22.5719	12.31898	15.57954	2.394882
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.453365	194.8006	4520.733
SDEV	.714609	.9698	64.138
%RSD	49.16927	.4978616	1.418747
#1	1.912716	195.0581	4476.333
#2	.6300452	193.7279	4491.600
#3	1.817333	195.6156	4594.267
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052621-BLK1 OPERATOR:
RUN TIME: 06/01/10 23:59:24
COMMENT: SDG:1005195 CLIENTID:PBW 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.150742	32.37329	-.007381	.8874684	373.4915	-.448537	-1.60447
SDEV	.318825	11.15317	.042435	.2191004	1.3382	.296129	.65941
%RSD	211.5035	34.45177	574.8983	24.68825	.3582971	66.02110	41.09838
#1	.1275510	38.43120	-.008360	1.014538	375.0226	-.683974	-1.89375
#2	-.081169	39.18658	.0355348	1.013394	372.9067	-.116064	-.849864
#3	-.498609	19.50210	-.049319	.6344739	372.5452	-.545573	-2.06981
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000
LOW	-5.00000	-200.000	-200.000	-5.00000	-5000.00	-5.00000	-5.00000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1998721	-1.23805	-12.0602	-1439.50	.5347239	.0857005	40.88092
SDEV	.1681030	.09861	5.4232	3.27	1.063897	.0900758	10.79778
%RSD	84.10525	7.964582	44.96751	.2272468	198.9620	105.1053	26.41277
#1	.0058771	-1.23805	-16.8836	-1440.74	-.663350	.1743030	46.78161
#2	.3026183	-1.33666	-6.18990	-1435.80	.8985110	.0885781	47.44258
#3	.2911209	-1.13945	-13.1071	-1441.98	1.369010	-.005780	28.41855
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000
LOW	-5.00000	-5.00000	-100.000	-5000.00	-5000.00	-10.0000	-5000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.319609	-3.79762	-.064418	.5517056	.5832651	-1.36390	1.529340
SDEV	.224320	.42206	.184982	.2043947	.2414475	1.41622	1.790800
%RSD	70.18577	11.11382	287.1605	37.04779	41.39584	103.8360	117.0963
#1	-.415877	-3.74257	.0918594	.3444134	.8092148	.1762734	2.997907
#2	-.479726	-4.24450	-.016455	.5576294	.3288444	-1.65799	2.055788
#3	-.063223	-3.40579	-.268658	.7530741	.6117361	-2.60999	-.465676
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000
LOW	-40.0000	-10.0000	-20.0000	-20.0000	-3.00000	-5.00000	-10.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.32008	-.978912	1.360595	-7.81105	1.852253	.3024829	.2967088
SDEV	.82500	2.460131	.994866	2.44949	2.790308	.8177611	2.472795
%RSD	35.55907	251.3129	73.11994	31.35925	150.6440	270.3495	833.4081
#1	-1.45705	-.432797	1.426703	-7.83231	4.171977	1.230819	-1.23864
#2	-2.40228	-3.66621	2.320758	-10.2498	2.628877	-.311277	3.149268
#3	-3.10089	1.162273	.3343232	-5.35100	-1.24409	-.012093	-1.02050
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	10.00000					100.0000	50.00000
LOW	-10.0000					-100.000	-50.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-1.35242	-.098339	4669.777
SDEV	.39407	.062323	55.175
%RSD	29.13836	63.37546	1.181530
#1	-1.68345	-.127682	4670.866
#2	-1.45730	-.026761	4614.066
#3	-.916521	-.140575	4724.400
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	5.000000	40.00000	
LOW	-5.00000	-40.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052621-BS1 OPERATOR:
RUN TIME: 06/02/10 00:06:33
COMMENT: SDG:1005195 CLIENTID:LCSW 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1043.889	19268.91	18554.49	506.2416	48613.08	515.0688	4889.216
SDEV	11.852	156.95	186.92	1.7809	281.16	4.0665	50.810
%RSD	1.135388	.8145118	1.007396	.3517924	.5783535	.7895121	1.039216
#1	1056.668	19088.89	18469.19	504.9971	48831.21	519.6583	4944.520
#2	1041.744	19340.79	18425.44	508.2816	48712.25	513.6334	4878.526
#3	1033.256	19377.03	18768.84	505.4459	48295.78	511.9146	4844.602
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1200.000	24000.00	24000.00	600.0000	60000.00	600.0000	6000.000
LOW	800.0000	16000.00	16000.00	400.0000	40000.00	400.0000	4000.000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1027.130	2617.745	9617.200	53673.25	48381.71	1456.788	50818.29
SDEV	2.422	7.692	44.293	745.93	176.63	3.491	305.64
%RSD	.2358414	.2938310	.4605624	1.389766	.3650798	.2396267	.6014428
#1	1024.889	2625.382	9662.675	53015.54	48422.73	1458.797	50787.20
#2	1029.700	2617.855	9614.734	53520.47	48188.18	1458.810	50529.38
#3	1026.802	2609.999	9574.191	54483.75	48534.23	1452.757	51138.29
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1200.000	3000.000	12000.00	60000.00	60000.00	1800.000	60000.00
LOW	800.0000	2000.000	8000.000	40000.00	40000.00	1200.000	40000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	4008.278	1009.208	4957.918	2100.435	300.4891	492.4802	6055.281
SDEV	26.951	4.821	8.858	40.481	2.1282	3.6736	25.001
%RSD	.6723897	.4776733	.1786668	1.927272	.7082507	.7459448	.4128841
#1	4037.511	1003.643	4968.147	2143.573	300.3586	488.4598	6038.975
#2	4002.907	1012.098	4952.854	2094.456	302.6796	493.3187	6042.802
#3	3984.417	1011.883	4952.755	2063.276	298.4291	495.6621	6084.065
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	4800.000	1200.000	6000.000	2400.000	360.0000	600.0000	7200.000
LOW	3200.000	800.0000	4000.000	1600.000	240.0000	400.0000	4800.000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1022.509	294.8159	303.3178	487.7221	494.8529	1049.420	1005.092
SDEV	4.177	3.0845	1.6677	2.5006	5.4704	3.481	.544
%RSD	.4084639	1.046259	.5498197	.5127007	1.105454	.3317254	.0541123
#1	1021.953	294.2486	303.4063	488.2421	488.5659	1051.182	1005.251
#2	1026.935	298.1447	304.9395	485.0024	497.4676	1051.668	1005.539
#3	1018.638	292.0543	301.6076	489.9217	498.5253	1045.410	1004.487
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	1200.000					1205.000	1205.000
LOW	800.0000					795.0000	795.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	991.9569	987.7091	4510.155
SDEV	4.1043	3.8294	53.691
%RSD	.4137616	.3877039	1.190448
#1	995.5082	986.1707	4559.533
#2	987.4634	984.8882	4517.933
#3	992.8989	992.0685	4452.999
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	1205.000	1205.000	
LOW	795.0000	795.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005195-01 OPERATOR:
RUN TIME: 06/02/10 00:13:41
COMMENT: SDG:1005195 CLIENTID:5-17-10 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	16.48887	606.9426	.9156095	1.560711	905.1149	10.80536	1.114575
SDEV	.40319	20.6649	.1101538	.527801	16.7979	.60542	.502102
%RSD	2.445196	3.404759	12.03065	33.81799	1.855882	5.602965	45.04873
#1	16.02505	630.7869	.9746110	2.169057	886.4416	10.12394	.5551053
#2	16.68599	595.8101	.9836945	1.288331	909.9076	11.01083	1.262584
#3	16.75557	594.2306	.7885230	1.224745	918.9956	11.28130	1.526035
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	91.07789	139.6153	134.6419	1704.736	137.1080	4.913795	239511.4
SDEV	3.08490	1.7886	11.6394	106.330	3.1368	.129326	4078.3
%RSD	3.387099	1.281074	8.644741	6.237348	2.287804	2.631890	1.702779
#1	88.28024	137.5500	121.5142	1824.772	135.9796	4.798180	244173.8
#2	90.56715	140.6397	138.7106	1667.071	140.6529	4.889749	237754.0
#3	94.38628	140.6561	143.7008	1622.364	134.6916	5.053456	236606.4
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	323.3311	-5.84639	.2767779	356.5809	5.724139	-.892820	5.139226
SDEV	5.4261	3.94822	.1617929	13.7603	.519057	1.893348	.335440
%RSD	1.678176	67.53257	58.45588	3.858943	9.067856	212.0638	6.527056
#1	317.8463	-2.84518	.4635702	341.5507	5.145071	-1.18375	5.079992
#2	323.4505	L-10.3190	.1804792	359.6335	6.147575	1.129156	4.837347
#3	328.6965	-4.37496	.1862842	368.5586	5.879770	-2.62386	5.500337
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	L-5.16931	11.58776	2.793931	-12.1325	4.715906	79.30561	2.355572
SDEV	.65936	2.06874	1.255306	3.7179	1.493931	1.86225	1.868668
%RSD	12.75537	17.85279	44.92974	30.64456	31.67855	2.348201	79.32969
#1	L-5.38824	12.06472	1.687648	-14.6578	5.540379	78.94589	2.823618
#2	-4.42833	13.37637	2.535965	-7.86313	5.615925	81.32148	3.945726
#3	L-5.69136	9.322201	4.158181	-13.8765	2.991415	77.64945	.2973727
ERRORS	LC LOW	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.1856763	.6022396	4508.733
SDEV	1.823483	.1138698	148.632
%RSD	982.0759	18.90772	3.296531
#1	1.432789	.5118298	4337.400
#2	1.031345	.5647651	4585.733
#3	-1.90710	.7301239	4603.066
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: SDI1005195-01 OPERATOR:
RUN TIME: 06/02/10 00:20:50
COMMENT: SDG:1005195 CLIENTID:5-17-10L 1:5
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3.409091	133.1844	.1420668	.6075547	482.8731	2.201940	.2448457
SDEV	.562354	3.6013	.0528618	.0385537	1.4758	.475728	.6993551
%RSD	16.49572	2.704004	37.20912	6.345721	.3056288	21.60494	285.6309
#1	4.058442	129.0349	.1780129	.5982153	484.1562	2.663665	1.017706
#2	3.084416	135.4950	.0813705	.5745287	483.2027	1.713348	-.344348
#3	3.084416	135.0233	.1668172	.6499202	481.2604	2.228807	.0611799
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	19.16141	27.36319	43.56708	-872.330	29.17441	1.072892	46845.32
SDEV	.83872	.38096	12.36277	5.794	2.78868	.206544	467.77
%RSD	4.377136	1.392222	28.37639	.6642200	9.558634	19.25116	.9985492
#1	19.31398	27.17694	39.93656	-872.789	31.01206	1.042303	46503.71
#2	19.91337	27.80144	57.33862	-877.881	30.54557	1.293026	46653.79
#3	18.25687	27.11120	33.42607	-866.320	25.96561	.8833491	47378.46
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	68.29585	-3.35502	-.024068	76.56265	1.183380	-.484960	3.838480
SDEV	.90547	1.51584	.526051	1.54191	.549767	1.367227	2.477683
%RSD	1.325808	45.18124	2185.716	2.013916	46.45732	281.9256	64.54855
#1	68.06954	-4.55963	.4805315	77.35065	.6696867	-.247578	2.893214
#2	69.29301	-3.85247	-.569223	77.55133	1.117222	-1.95533	6.649653
#3	67.52500	-1.65296	.0164886	74.78599	1.763233	.7480318	1.972573
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.71396	-.058428	1.800487	-8.01130	3.270019	16.20265	.5189391
SDEV	1.25670	2.322030	.901767	5.69031	1.005863	3.32855	1.437223
%RSD	73.32121	3974.170	50.08460	71.02853	30.76015	20.54323	276.9540
#1	-2.60256	-.213114	1.107565	-5.39768	2.321071	20.03169	1.538704
#2	-.276142	-2.29925	2.820058	-14.5389	4.324479	13.99986	-1.12482
#3	-2.26318	2.337078	1.473837	-4.09734	3.164506	14.57641	1.142930
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.885498	.3401345	4741.200
SDEV	.665240	.2916478	55.389
%RSD	75.12609	85.74483	1.168251
#1	-.157682	.3332119	4752.400
#2	-1.03667	.6351820	4790.133
#3	-1.46214	.0520097	4681.066
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005195-02 OPERATOR:
RUN TIME: 06/02/10 00:27:58
COMMENT: SDG:1005195 CLIENTID:5-18-10 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	20.82560	882.8889	1.030198	1.658035	1243.136	14.97820	2.451396
SDEV	.43448	4.5892	.041002	.178091	5.823	.54306	.758380
%RSD	2.086301	.5197951	3.979999	10.74110	.4683777	3.625675	30.93666
#1	20.68646	887.9057	1.003823	1.509295	1243.763	14.56940	2.399268
#2	20.47774	881.8585	1.009335	1.609427	1237.026	14.77082	1.720425
#3	21.31262	878.9025	1.077436	1.855384	1248.620	15.59440	3.234495
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	149.6246	188.9183	195.0130	3734.438	199.4412	6.696230	258188.3
SDEV	3.1927	.6868	6.4824	25.799	3.4401	.087560	1705.1
%RSD	2.133780	.3635283	3.324107	.6908442	1.724892	1.307599	.6604013
#1	153.0632	189.2032	198.5666	3728.094	202.0634	6.781511	259346.3
#2	149.0564	189.4168	198.9415	3762.817	195.5460	6.606556	258988.1
#3	146.7541	188.1350	187.5308	3712.402	200.7142	6.700621	256230.3
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	442.9785	-7.94944	.3119474	486.9692	6.358477	-1.71492	5.744711
SDEV	7.0547	1.06968	.4452445	11.3272	1.266831	1.65470	1.262861
%RSD	1.592562	13.45599	142.7306	2.326067	19.92349	96.48847	21.98303
#1	439.5826	-8.82316	.1933759	481.7236	5.336043	-1.03413	6.771782
#2	438.2640	-8.26867	-.062008	479.2156	5.963697	-3.60142	6.127649
#3	451.0890	-6.75650	.8044748	499.9683	7.775692	-.509215	4.334703
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-3.65364	8.464422	5.303704	-15.0848	4.957275	98.83040	1.278557
SDEV	1.64953	4.111710	.228695	5.8493	1.757067	1.85795	1.102509
%RSD	45.14769	48.57638	4.311982	38.77634	35.44420	1.879937	86.23074
#1	-1.75004	4.866895	5.566891	-16.9433	6.905821	99.15985	.3320973
#2	-4.66190	7.579996	5.153377	-19.7790	4.472554	96.82976	1.014435
#3	-4.54899	12.94638	5.190845	-8.53199	3.493451	100.5016	2.489138
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.402415	1.144908	4469.755
SDEV	.418066	.100034	4.260
%RSD	103.8891	8.737276	.0952975
#1	-.287987	1.247434	4474.667
#2	-.053479	1.047569	4467.533
#3	-.865780	1.139721	4467.066
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005195-03 OPERATOR:
RUN TIME: 06/02/10 00:35:07
COMMENT: SDG:1005195 CLIENTID:5-20-10 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	16.89471	682.5666	.7256365	1.127679	1158.912	9.900455	1.377187
SDEV	.18407	7.8651	.0141075	.151372	19.907	.254129	.615865
%RSD	1.089538	1.152282	1.944150	13.42331	1.717749	2.566838	44.71909
#1	17.03386	679.2140	.7346203	1.291749	1149.046	10.17450	1.450893
#2	16.96429	691.5525	.7093765	.9934499	1181.826	9.854308	1.952882
#3	16.68599	676.9335	.7329127	1.097839	1145.866	9.672562	.7277849
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	134.2434	122.2497	135.2566	3159.613	168.5111	4.525199	283883.2
SDEV	2.4529	1.4567	23.1000	29.994	2.3302	.127139	1590.6
%RSD	1.827192	1.191608	17.07865	.9492882	1.382826	2.809571	.5602999
#1	132.3309	121.8059	116.9669	3131.349	170.5296	4.470510	282329.6
#2	137.0089	123.8766	161.2159	3156.411	169.0428	4.670531	285508.4
#3	133.3904	121.0664	127.5870	3191.080	165.9610	4.434555	283811.7
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	285.8401	-4.15373	.0470859	323.2792	4.732588	-.155972	7.355791
SDEV	3.6223	2.42120	.1729675	5.8907	1.067454	.398773	1.019984
%RSD	1.267244	58.28978	367.3442	1.822157	22.55539	255.6694	13.86640
#1	285.3340	-4.15542	.2369402	323.6053	4.641645	.2251767	6.179550
#2	289.6889	-6.57410	-.101547	329.0000	3.713515	-.122796	7.891865
#3	282.4976	-1.73169	.0058643	317.2323	5.842603	-.570297	7.995959
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.91948	7.697053	3.249961	-12.0364	5.772711	71.49000	1.056651
SDEV	2.00791	.335818	1.656442	1.1660	.767073	.76442	1.238128
%RSD	68.77638	4.362948	50.96804	9.687119	13.28792	1.069262	117.1747
#1	-2.82815	7.334952	3.294409	-12.6099	6.630497	72.20207	1.923889
#2	-.958791	7.998255	1.571743	-10.6947	5.152628	71.58568	1.607352
#3	-4.97150	7.757951	4.883731	-12.8045	5.535008	70.68224	-.361287
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.222105	.8117970	4618.044
SDEV	.227391	.1837348	27.198
%RSD	102.3799	22.63310	.5889566
#1	-.454160	.7455114	4642.466
#2	.0003151	1.019477	4622.933
#3	-.212470	.6704028	4588.733
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV1 OPERATOR:
RUN TIME: 06/02/10 00:42:15
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	105.6586	47420.81	952.2857	998.2203	47842.28	1031.032	974.6606
SDEV	2.8722	144.83	12.1073	17.6711	1281.69	24.114	12.7368
%RSD	2.718408	.3054181	1.271394	1.770259	2.678981	2.338807	1.306795
#1	108.9750	47275.39	940.7401	1017.081	49189.62	1057.532	989.3672
#2	104.0353	47565.05	964.8857	995.5342	47698.92	1025.184	967.4243
#3	103.9657	47422.00	951.2313	982.0461	46638.30	1010.380	967.1903
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1013.425	1034.022	24329.65	53735.18	49610.34	965.5775	50756.77
SDEV	21.616	11.346	417.38	894.03	382.63	16.4942	196.35
%RSD	2.132966	1.097275	1.715509	1.663766	.7712612	1.708224	.3868433
#1	1033.582	1046.912	24764.91	52726.50	50004.15	982.9775	50562.46
#2	1016.094	1029.607	24291.22	54049.20	49586.89	963.5850	50955.10
#3	990.5978	1025.547	23932.81	54429.82	49239.98	950.1700	50752.75
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1020.960	1049.123	969.7134	1162.458	1027.609	1067.279	1033.382
SDEV	18.106	9.057	14.1781	42.364	17.360	7.003	6.806
%RSD	1.773414	.8632766	1.462089	3.644341	1.689352	.6561406	.6586053
#1	1040.515	1051.311	986.0569	1210.547	1035.268	1067.343	1036.216
#2	1017.588	1039.173	962.3693	1146.181	1039.822	1074.249	1038.313
#3	1004.777	1056.886	960.7139	1130.647	1007.736	1060.244	1025.617
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1062.065	1009.295	1036.748	1078.214	1061.816	1068.433	1017.637
SDEV	2.603	11.880	22.633	16.713	17.482	16.168	4.814
%RSD	.2450585	1.177081	2.183078	1.550026	1.646446	1.513258	.4730464
#1	1065.002	1022.343	1041.717	1091.537	1055.262	1087.084	1022.476
#2	1060.044	1006.441	1056.484	1059.462	1081.629	1059.836	1012.849
#3	1061.149	999.1024	1012.044	1083.643	1048.559	1058.380	1017.586
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	999.2194	984.7895	4543.044
SDEV	10.6267	9.1050	77.229
%RSD	1.063503	.9245634	1.699940
#1	1007.590	992.8377	4631.267
#2	1002.804	986.6237	4510.200
#3	987.2638	974.9070	4487.667
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB1 OPERATOR:
RUN TIME: 06/02/10 00:49:25
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.115955	28.40211	.0296344	.7817862	374.4576	.0144878	-.118634
SDEV	.125425	3.24776	.0153097	.0250099	.7275	.0264004	.522454
%RSD	108.1665	11.43492	51.66215	3.199069	.1942742	182.2257	440.3927
#1	.0231911	29.11529	.0467963	.7907641	374.0646	.0016586	-.649074
#2	-.150742	24.85703	.0173808	.8010678	374.0111	.0448511	.3954487
#3	-.220315	31.23401	.0247259	.7535266	375.2970	-.003046	-.102275
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.028066	-1.10110	-12.0087	-1429.77	1.927781	.1686719	32.27229
SDEV	.198468	.18690	4.4370	1.26	1.988385	.0871298	66.25253
%RSD	707.1566	16.97385	36.94779	.0883398	103.1437	51.65636	205.2923
#1	-.091390	-.892932	-11.4033	-1431.15	2.943217	.1693240	104.9822
#2	.1943370	-1.15588	-7.90556	-1429.49	-.363289	.0812180	16.51706
#3	-.187144	-1.25449	-16.7173	-1428.67	3.203414	.2554739	-24.6824
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0927838	-3.53882	-.035191	.8186646	.1758335	.0575160	.5252537
SDEV	.7240301	2.27287	.119437	.5157061	.7875954	1.122567	1.759689
%RSD	780.3414	64.22687	339.3924	62.99357	447.9211	1951.749	335.0170
#1	-.578777	-4.40587	.0834725	1.365748	1.075564	1.296639	1.699027
#2	.8598115	-.960039	-.033660	.3414622	-.388791	-.232520	-1.49802
#3	-.002683	-5.25055	-.155386	.7487839	-.159272	-.891571	1.374751
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-3.23395	-1.05981	.7901803	-1.50053	.8328243	-.184175	.9388555
SDEV	.44984	1.07254	1.125264	.32711	1.609496	1.511697	1.154019
%RSD	13.90997	101.2013	142.4060	21.79962	193.2576	820.7931	122.9177
#1	-3.43763	-.828385	2.023560	-1.22731	2.554169	-1.64797	1.760802
#2	-3.54592	-2.22916	.5274673	-1.86300	.5789507	-.275810	1.436213
#3	-2.71829	-.121870	-.180487	-1.41128	-.634647	1.371255	-.380448
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.0634398	.0560099	4744.977
SDEV	.8537044	.0811848	9.068
%RSD	1345.693	144.9471	.1910989
#1	.6141438	-.005194	4736.400
#2	-.919977	.1481060	4744.066
#3	.4961520	.0251177	4754.466
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

5. Digestion and Distillation Logs

Logs shall be submitted in the following order: digestion logs for ICP, flame AA (if used), furnace AA (if used), and mercury preparations, followed by a copy of the distillation log for cyanide.

METALS/MERCURY PREPARATION LOG

Metals Method: 3050B / 6010B
Mercury Method: 7471B
Prepared By: DDD/MSB

CompuChem
A Division Of
Liberty Analytical Corp.

Preparation Date: 5-27-10
Preparation Time: 0840
Batch Number: 52614
Blue Soil

COMPUCHEM SAMPLE ID	CLIENT SAMPLE ID	SAMPLE TYPE	ICP Initial (g)	ICP Final (mL)	HG Initial (g)	HG Final (mL)	*Description Before	*Description After ICP
0052614-BLK1	PBS	MB	1.00	100			N / A	CS / CL
0052614-BS1	LCSS	LCS	1.00				BR / F	Y / CL
0052614-DUP1	SB44-5-6D	DUP	1.00				BR / M	Y / CL
0052614-MS1	SB44-5-6S	MS	1.00				BR / M	Y / CL
0052614-MSD1	SB44-5-6SD	MSD	1.00				BR / M	Y / CL
1005134-01	SS02-0-1	SAMPLE	1.01				BR / M	Y / CL
1005134-02	SS02D-0-1	SAMPLE	1.00				BR / M	Y / CL
1005134-03	SB02-5-6	SAMPLE	1.01				BR / M	Y / CL
1005134-04	SB02D-5-6	SAMPLE	1.05				BR / M	Y / CL
1005134-05	SB05-7-8	SAMPLE	1.05				BR / M	Y / CL
1005134-06	SS33-0-1	SAMPLE	1.00				BR / M	Y / CL
1005134-07	SB33-4-5	SAMPLE	1.05				BR / M	Y / CL
1005134-08	SB31-5-6	SAMPLE	1.00				BR / M	Y / CL
1005134-09	SS31-0-1	SAMPLE	1.01				BR / M	Y / CL
1005134-10	SS32-0-1	SAMPLE	1.01				BR / M	Y / CL
1005134-11	SS32D-0-1	SAMPLE	1.05				BR / M	Y / CL
1005134-12	SB32-2.5-3.5	SAMPLE	1.02				BR / M	Y / CL
1005134-13	SB32D-2.5-3.5	SAMPLE	1.01				BR / M	Y / CL
1005134-14	SB50-1-2	SAMPLE	1.02				BR / M	Y / CL
1005134-15	SS12-0-1	SAMPLE	1.03				BR / M	Y / CL
1005134-16	SB12-2-3	SAMPLE	1.02				BR / M	Y / CL
1005134-17	SS44-0-1	SAMPLE	1.01				BR / M	Y / CL
1005134-18	SB44-5-6	SAMPLE	1.00				BR / M	Y / CL
1005134-19	SS43-0-1	SAMPLE	1.02				BR / M	Y / CL
1005134-20	SB43-3-4	SAMPLE	1.03	↓			BR / M	Y / CL

Mercury Standards and QC S0 S0.2 S0.5S1 S5 S10 ICV ICB CRI CCV CCB

NOTE: All standards and QC for mercury were prepared at the same day as the associated samples. Refer to the attached. Standard/QC Preparation Log, with date matching the above preparation date, for preparation method and instruction.

Record of Tempature/Time		
Hot Block Temp In:	95°	C
Hot Block Temp Out:	95°	C
Time Hg in water bath:		
Time Hg out water bath:		
Water Bath Temp In:		C
Water Bath Temp Out:		C

MS Reference
ICAP: 1.0mL XCL-20
Ref #: 0826007
HG: 1.0mL 100ppb Hg
Ref#

LCS Reference
ICAP: 1.0g ERA PPT (540)
Ref #: 0824007
HG: 0.2g ERA PPT (540)
Ref#

* R=red, BL=blue, Y=yellow, G=green, O=orange, V=violet, W=white, CS=colorless, BR=brown, BK=black
GY= grey, F=fine, M=medium, C=coarse, CL=clear, CY=cloudy, OP=opaque

"The presence of the Chemist's/analyst's employee ID number, or signature, on this log attests that strict compliance with the method's SOP has occurred. Any SOP deviations requires documentation by the chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation."

Sample Verification Signature: [signature]
This signature corroborates that the sample identification numbers appearing on the digestion cups are the same as those appearing on the field sample containers.

Reviewed By: [signature]
Date: 060310

Shading has been applied to unused portions of this worksheet as a substitute for 'Z-out.

Standards/QC Preparation Log for ICP Metals/Mercury Page 1 of 3 **Case/SDG:** 1005134
COMPUCHEM a division of Liberty Analytical Corp. Worksheet 1Q (1) 2

REAGENTS	REF#[1]	MANUFACTURER	LOT#	EXPIRATION DATE
SULFURIC ACID (H_2SO_4)	9L30014	CALEDON	71645	12/15
NITRIC ACID (HNO_3)	0E19001	JT BAKER	J10027	05/15
POTASSIUM PERMANGANATE ($KMnO_4$)	0D13009	JT BAKER	J04613	04/13
HYDROCHLORIC ACID (HCL)	0E20028	CALEDON	72420	05/15
POTASSIUM PERSULFATE ($K_2S_2O_8$)	0A07004	JT BAKER	H44465	11/12
HYDROGEN PEROXIDE (H_2O_2)	0B18004	CALEDON	70692	01/11
STANDARDS				
XCL 20R	0B26007	HIGH PURITY	0925409	09/11/10
XCL LCS 10XR	9L15003	HIGH PURITY	0935232	12/10/10
ERA PPT (540)	0B24007	ERA	540	12/03/10
EPA LCS (0405)	1m2-186-23	EPA	0405	11/17/11
ICV-1 (0307)	0B04003	EPA	0307	03/12/11
ILM05.3 MATRIX SPIKE	0B23010	HIGH PURITY	1004722	02/18/11
SILVER (Ag) 100ppm	9L15009	HIGH PURITY	0934323	12/15/10
TCLP 500	9L21002	HIGH PURITY	0934202	12/10/10
ARSENIC (As) 1000ppm	9F17001	HIGH PURITY	0911221	12/05/10
MERCURY (Hg) 20ppm	9L15007	HIGH PURITY	0916320	06/15/10
ICV-5 (0508) Hg	0E20020	EPA	0508	05/17/2015

[1]Ref#=Logbook ID, Page number, and item number from Materials Receipt Log
[2]Standard Lot Number consist of standard ID, date prepared, and initials of preparer

STANDARD SOLUTIONS PREPARED BY: D. Dicken DATE: 5-27-10

ENTERED BY: D. Dicken DATE: 5-27-10

REVIEWED BY: [signature] DATE: 5-27-10

The presence of the Chemist's/Analyst's employee ID number, or signature, on this worksheet attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

12/03/07:RM

Standards/QC Preparation Log for ICP Metals/Mercury Page 2 of 3 **Case/SDG:** 1005134
COMPUCHEM a division of Liberty Analytical Corp. Worksheet 1Q (1) 2

STANDARD LOT NUMBER[2]	PREPARATION INSTRUCTIONS
Hg 100ppb-05-27-10-DD	Place in a 100mL volumetric flask: 0.5mL of 20ppm Hg stock solution 2.5mL of concentrated HNO_3 Baker instra-analyzed Trace Metals grade or equivalent Dilute to 100mL volume with reagent water **(PREPARE DAILY)**
$K_2S_2O_8$- 05-25-10-DD Potassium Persulfate	Place in a 1000mL Erlenmeyer to a re-pipettor bottle **(PREPARE AS NEEDED)**
$KmnO_4$- 05-25-10 –DD Potassium Permanganate	Place in a 2000mL volumetric flask: 100.0g of $KmnO_4$ Baker instra-analyzed Trace Metals grade or equivalent Dilute to 2000mL with reagent water **(PREARE AS NEEDED)**
HNO_3- 05-25-10 - DD Nitric Acid	Place in a 2000mL volumetric flask: 500mL of Deionized water 1000mL of concentrated HNO_3 Baker instra-analyzed Trace Metals grade or equivalent Dilute to 2000mL with reagent water **(PREPARE AS NEEDED)**
HCl- 05-26-10 - DD Hydrochloric Acid	Place in a 2000mL volumetric flask: 500mL of Deionized water 1000mL of concentrated HCl Baker instra-analyzed Trace Metals grade or equivalent Dilute to 2000mL with reagent water **(PREPARE AS NEEDED)**
Aqua Regia- 05-27-10 - DD	Place in a 1000mL container: 600mL of Concentrated HCL 200mL of Concentrated HNO3 **(PREPARE AS NEEDED)**

[1]Ref#=Logbook ID, Page number, and item number from Materials Receipt Log
[2]Standard Lot Number consist of standard ID, date prepared, and initials of preparer

STANDARD SOLUTIONS PREPARED BY: D. Dicken DATE: 5-27-10

ENTERED BY: D. Dicken DATE: 5-27-10

REVIEWED BY: [signature] DATE: 5-27-10

The presence of the Chemist's/Analyst's employee ID number, or signature, on this worksheet attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Standards/QC Preparation Log for ICP Metals/Mercury Page 3 of 3 **Case/SDG:** 1005134
COMPUCHEM a division of Liberty Analytical Corp. Worksheet 1Q (1) 2

STANDARD LOT NUMBER[2]	PREPARATION INSTRUCTIONS	Resultant Analyte Concentration
ICV-5- 05-27-10-DD	Pipet into a 300mL BOD Bottle 1.0mL of ICV-5 and 99mL of reagent water. Digest according to sample preparation instructions	4.0µg/L
S0/ICB/CCB- 05-27-10-DD	Pipet into a 300mL BOD Bottle 100mL of reagent water Digest according to sample preparation instructions	0.0µg/L
S0.2/CRA/CRI- 05-27-10-DD	Pipet into a 300mL BOD Bottle 0.2mL of Hg 100ppb and 99.8mL of reagent water Digest according to sample preparation instructions	0.2µg/L
S0.5- 05-27-10-DD	Pipet into a 300mL BOD Bottle 0.5mL of Hg 100ppb and 99.5mL of reagent water Digest according to sample preparation instructions	0.5µg/L
S1.0- 05-27-10-DD	Pipet into a 300mL BOD Bottle 1.0mL of Hg 100ppb and 99mL of reagent water Digest according to sample preparation instructions	1.0µg/L
S5.0/CCV- 05-27-10-DD	Pipet into a 300mL BOD Bottle 5.0mL of Hg 100ppb and 95mL of reagent water Digest according to sample preparation instructions	5.0µg/L
S10.0- 05-27-10-DD	Pipet into a 300mL BOD Bottle 10mL of Hg 100ppb and 90mL of reagent water Digest according to sample preparation instructions	10.0µg/L

[1]Ref#=Logbook ID, Page number, and item number from Materials Receipt Log
[2]Standard Lot Number consist of standard ID, date prepared, and initials of preparer

STANDARD SOLUTIONS PREPARED BY: D. Dicken DATE: 5-27-10

ENTERED BY: D. Dicken DATE: 5-27-10

REVIEWED BY: [signature] DATE: 5-27-10

The presence of the Chemist's/Analyst's employee ID number, or signature, on this worksheet attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

C. Chain-of-Custody Documentation

The laboratory shall include a copy of the Chain-of-Custody (CoC) Documentation for all of the samples in the SDG. The CoC documentation shall be arranged in increasing Client Sample ID number order, considering both letters and numbers.

24777

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CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page ____ of ____

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information		Project Information
Company Name: CH2M HILL		Project Name: GTO-94
Address: 5700 Cleveland St, 101		Sampling Location: MCB Camp Lejeune
City: VA Beach State: VA Zip: 23462		Turnaround time:
Project Contact: Rebekha Shaw		Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 757-671-6279		Are aqueous samples field filtered for metals? Y or (N)
Sampler's Name: KRogers / RDN		Are high concentrations expected? Y (or N)? If yes, which ID(s)?

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

Lancaster Laboratories Sample Number	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Total Metals (6010B) 202	Total Chromium (6010B)	SIM PAH's (8270C) 85	TCL Pest (8081A)	Grain Size (ASTM D422) 80	Chromium VI (7196A)		Grain size					
1005132-01	BBG-SS73-0-1-10B	5-14-10	0825	SO	3							X		X	X	X	X		1005209-14					
—	BBG-SS73-0-1-10B-MS	5-14-10	0825	SO	3							X		X	X	X	X		—					
—	BBG-SS73-0-1-10B-SD	5-14-10	0825	SO	3							X		X	X	X	X		—					
1005132-13	BBG-SS84-0-1-10B	5-14-10	0855	SO	3							X		X	X	X	X		1005209-15					
-14	BBG-SB84-6-7-10B	5-14-10	0905	SO	3							X		X	X	X	X		√ -16					
1005134-01	BBG-SS02-0-1-10B	5-14-10	0930	SO	3								X	X	X	X	X		√ -17					
-02	BBG-SB02D-0-1-10B	5-14-10	0935	SO	3								X	X	X	*X	X		—					
-03	BBG-SB02-5-6-10B	5-14-10	0940	SO	3								X	X	X	X	X		1005209-18					
-04	BBG-SB02D-5-6-10B	5-14-10	0945	SO	3								X	X	X	*X	X		—					

Sample Unpacked By: Jennifer Doner
Sample Order Entry By: Jennifer Doner
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

*did not recd Grainsize for BBG-SS02D-01-10B or BBG-SB02D-56-10B not needed on "deps" (JD) 5/14/10 of MS/MSD

Relinquished by: [signature]	Date/Time: 3-14-10 1600	Received by: Diane Dunn	Date/Time: 5-14-10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:
Subcontract? Y or N If yes, where? Grain size to CT LABS	Custody Seal(s) intact? Y or N (JD) 5/14 Client delivered	On Ice? (Y) or N	Cooler Temp: 1.7 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

24775

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Page ____ of ____

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St. 101
City: VA Beach State: VA Zip: 23462
Project Contact: Rebekha Shaw
Phone #: 757-671-6279
Sampler's Name: K Rogers / RDM

Project Information

Project Name: CTO-94
Sampling Location: MCB Camp Lejeune
Turnaround time:
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Matrix Codes
GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

Lab Use Only	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Total Metals (6010B) 20	Total Chromium (6010B)	Chromium VI (7196A)	SIM PAH's (8270C) SIM	TCL Pest (8081A)	Grain Size (ASTM D422) &		Grain Size			Lab Use Only
1005132-07	BBG-SS83-0-1-10B	5-13-10	1555	SO	3							X		X	X	X	X		1005210-06			
-08	BBG-SB83-6.5-7.5-10B	5-13-10	1605	SO	3							X		X	X	X	X				-07	
-09	BBG-SS62-0-1-10B	5-13-10	1640	SO	3							X		X	X	X	X				-08	
1005130-20	BBG-SS05-0-1-10B	5-14-10	0800	SO	3							~~X~~	X	X	X	X	X				-09	
1005134-05	BBG-SB05-7-8-10B	5-14-10	0810	SO	3								X	X	X	X	X				-10	

Lab Use Only

Sample Unpacked By: Jennifer Dones
Sample Order Entry By:
Samples Received in Good Condition (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Relinquished by:	Date/Time: 5-14-10 1600	Received by:	Date/Time: 5/14/10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontract? Y or N If yes, where? Grain Size to CTLABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 3.6 °C

Samples stored 60 days after date report mailed at no extra charge.

client delivered

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Page 1 of 2

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Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: VA BEACH State: VA Zip: 23462
Project Contact: REBEKAH SHAW
Phone #: 757-671-6279
Sampler's Name: K Rogers/Row

Project Information

Project Name: CTO-94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

Lab #	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	TOT METALS 6010B (Share 20z)	TOT CHROMIUM 6010B	CHROM. VI 7196A	SIM PAH 8270C (Share 80z.)	TCL PEST. 8081A	GRAIN SIZE ASTM D422 (1-8oz.)		Grain Size
1005134-06	BBG-SS33-0-1-10B	5.17	1150	SO	3								X	X	X	X	X		1005211-08
-07	BBG-SB33-5-10B	5.17	1200	SO	3								X	X	X	X	X		-09
-08	BBG-SB31-5-6-10B	5.17	1240	SO	3								X	X	X	X	X		-10
-09	BBG-SS31-0-1-10B	5.17	1225	SO	3								X	X	X	X	X		-11
1005135-01	BBG-SB73-9-10-10B	5.17	1500	SO	3							X		X	X	X	X		-12
-01	BBG-SB73-9-10-10B-MS	5.17	1500	SO	2							X		X	X	X			
-01	BBG-SB73-9-10-10B-SD	5.17	1500	SO	2							X		X	X	X			
1005134-10	BBG-SS32-0-1-10B	5.18	1100	SO	3								X	X	X	X	X		1005211-13
-11	BBG-SS32D-0-1-10B	5-18	1105	SO	3								X	X	X	X	X (2nd)		
-12	BBG-SB32-2.5-3.5-10B	5.18	1110	SO	3								X	X	X	X	X		1005211-14

Sample Unpacked By: K Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Shipping Information

Relinquished by:	Date/Time: 5-18-10 1420	Received by: K Manning	Date/Time: 5.19.10 0830
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? (Y) or N If yes, where? Grain size to CT Labs
Custody Seal(s) intact? (Y) or N
On Ice? (Y) or N
Cooler Temp: 4.3 °C

Samples stored 60 days after date report mailed at no extra charge.

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Page 2 of 2

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: VA Beach State: VA Zip: 23462
Project Contact: Rebekka Shaw
Phone #: 757-671-6279
Sampler's Name: K. Rogers

Project Information

Project Name: GTO-94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Required Analysis

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

Comp/Grab	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other	Tot Metals 6010B (Share 2oz.)	Tot Chromium 6010B (Share 2oz.)	Chromium VI 7196A	SIM PAH 8270C (Share 8oz.)	TCL PEST. 8081A	GRAIN SIZE ASTM D422
1005134-13	BBG-SB32D-2.5-3.5-10B	5.18	1115	SO	2								X	X	X	X	

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Sample Custody

Relinquished by:	Date/Time: 5.18.10 1420	Received by: K. Manning	Date/Time: 5.19.10 0905
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? (Y) or N If yes, where? Grain size to CT LABS 5/19/10
Custody Seal(s) intact? (Y) or N
On Ice? (Y) or N
Cooler Temp: 4.3 °C

Samples stored 30 days after date report mailed at no extra charge.

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Page ____ of ____

Courier
Airbill No.
Sampling Complete? Y or N

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: Va Beach State: VA Zip: 23462
Project Contact: Rebekha Shaw
Phone #: 757-671-6279
Sampler's Name: K. Rogers

Project Information

Project Name: CTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N)? If yes, which ID(s)?

CompuChem Sample #	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B (Share)	Tot Cr 6010B (1-202.)	Cr VI 7196A	SIM PAH 8270C (Share)	TCL PEST 8081A (1-802.)	Grain Size ASTM D422 (1-802.)		Gran size					
1005132-15	BBG-SB81-0-1-10B	5.18	1600	SO	3							X		X	X	X	X		1005212-01					
-16	BBG-SB81-5-6-10B	5.18	1620	SO	3							X		X	X	X	X		-02					
1005133-11	BBG-SB67-0-1-10B	5.18	1700	SO	3							X		X	X	X	X		-03					
1005134-14	BBG-SB50-1-2-10B	5.18	1750	SO	3								X	X	X	X	X		-04					
1005132-17	BBG-SB71-0-1-10B	5.19	0735	SO	3							X		X	X	X	X		-05					
-18	BBG-SB71D-0-1-10B	5.19	0740	SO	2							X		X	X	X								
-19	BBG-SB71-4-5-10B	5.19	0755	SO	3							X		X	X	X	X		1005212-06					
-20	BBG-SB71D-4-5-10B	5.19	0800	SO	2							X		X	X	X								
1005133-12	BBG-SB72-0-1-10B	5.19	0835	SO	3							X		X	X	X	X		1005212-07					
-13	BBG-SB72-2-3-10B	5.19	0845	SO	3							X		X	X	X	X		-08					

Lab Only

Sample Unpacked By: K Manning
Sample Order Entry By: [illegible]
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (N/A)
625 & Phenol samples checked for chlorine? Y or (N/A)
608 samples checked for pH between 5.0-9.0? Y or (N/A)

Relinquished by: [illegible]	Date/Time: 5.21.10 1600	Received by: K Manning	Date/Time: 5.21.10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? (Y) or N If yes, where? Gran size to CTLABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 4.3 °C

Samples stored 60 days after date report mailed at no extra charge.

Client Delivery - KM 5.21.10

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211

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Page ____ of ____

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: VA BEACH State: VA Zip: 23462
Project Contact: Rebekka Shaw
Phone #: 757-671-6279
Sampler's Name: K. ROGERS

Project Information

Project Name: CTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER Contract
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Requested Analysis (Method and Analyte)

Matrix: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

Lab ID	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B (Share 1-20Z)	Tot Cr 6010B	Cr VI 7196A (Share 1-802) KM 5.21.10	PAH 8270C	TCL Pest 8081A (1-802)	Grain Size ASTM D422		Grain size		
1005133-14	BBG-SS88-0-1-10B	5.19	0910	SO	3							X		X	X	X	X		1005210-09		
-15	BBG-SB88-2.5-3.5-10B	5.19	0925	SO	3							X		X	X	X	X				-10
-16	BBG-SS76-0-1-10B	5.19	0955	SO	3							X		X	X	X	X				-11
-17	BBG-SB76-6-7-10B	5.19	1045	SO	3							X		X	X	X	X				-12
-18	BBG-SS87-0-1-10B	5.19	1145	SO	3							X		X	X	X	X				-13
-19	BBG-SB87-3-4-10B	5.19	1155	SO	3							X		X	X	X	X				-14
1005134-15	BBG-SS12-0-1-10B	5.19	1245	SO	3								X	X	X	X	X				-15
-16	BBG-SB12-2-3-10B	5.19	1255	SO	3								X	X	X	X	X				-16
1005157-02	BBG-SS51-0-1-10B	5.19	1630	SO	3							X		X	X	X	X		✓		-17
-03	BBG-SS51D-0-1-10B	5.19	1635	SO	2							X		X	X	X					—

Sample Unpacked By: K. Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or N (A)
625 & Phenol samples checked for chlorine? Y or N (A)
608 samples checked for pH between 5.0-9.0? Y or N (A)

Relinquished by:	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5-21-10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? (Y) or N If yes, where? Grain size to CT LABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 3.9 °C

KM 5.21.10 - Client Delivery

Samples stored 60 days after date report mailed at no extra charge.

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SN0015

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Page ____ of ____

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information
Company Name: CH2M HILL	Project Name: CTO 94
Address: 5700 Cleveland St, 101	Sampling Location: MCB CAMP LEJEUNE
City: Va Beach State: VA Zip: 23462	Turnaround time: PER CONTRACT
Project Contact: REBEKAH SHAW	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 757-671-6279	Are aqueous samples field filtered for metals? Y or (N)
Sampler's Name: K. ROGERS	Are high concentrations expected? Y or (N) If yes, which ID(s)?

Matrix: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

Lab Use Only	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B (Share 1-20oz.)	tot Cr 6010B	Cr VI 7196A	SIM PAH 8270C (Share 1-80z)	DW PEST 8081A	Grain Size ASTM D422 (1-80z.)		Grain size		
1005157-04	BBG-SS90-0-1-10B	5.19	1455	SO	3							X		X	X	X	X		1005212-18		
-05	BBG-SB90-2-3-10B	5.19	1500	SO	3							X		X	X	X	X		√	-19	
1005134-17	BBG-SS44-0-1-10B	5.20	0810	SO	3								X	X	X	X	X		√	-20	
1005134-18	BBG-SB44-5-6-10B	5.20	0825	SO	3								X	X	X	X	X		1005213-01		
	BBG-SB44-5-6-10B-MS	5.20	0825	SO	3								X	X	X	X			—		
	BBG-SB44-5-6-10B-SD	5.20	0825	SO	3								X	X	X	X			—		
1005133-20	BBG-SS68-0-1-10B	5.20	0930 0930	SO	3							X		X	X	X	X		1005213-02		
1005134-19	BBG-SS43-0-1-10B	5.20	1035	SO	3								X	X	X	X	X			-03	
-20	BBG-SB43-3-4-10B	5.20	1045	SO	3								X	X	X	X	X		√	-04	

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By: [signature]
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Relinquished by: [signature]	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5.21.10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? (Y) or N If yes, where? Grain size to CT LABS — Client Delivery - KM 5/21/10
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 3.1 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

SN0015

CompuChem
A Division Of
Liberty Analytical Corp.

Sample ID Cross Reference

LAB WO	Project	Sample #	Field ID	Sample Date	Receive Date	DueDate	Chain of Custody ID
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-01	SS02-0-1	05/14/2010	05/14/2010	06/03/2010	BBG-SS02-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-01	SS02-0-1	05/14/2010	05/14/2010	06/10/2010	BBG-SS02-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-02	SS02D-0-1	05/14/2010	05/14/2010	06/03/2010	BBG-SS02D-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-02	SS02D-0-1	05/14/2010	05/14/2010	06/10/2010	BBG-SS02D-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-03	SB02-5-6	05/14/2010	05/14/2010	06/03/2010	BBG-SB02-5-6-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-03	SB02-5-6	05/14/2010	05/14/2010	06/10/2010	BBG-SB02-5-6-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-04	SB02D-5-6	05/14/2010	05/14/2010	06/03/2010	BBG-SB02D-5-6-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-04	SB02D-5-6	05/14/2010	05/14/2010	06/10/2010	BBG-SB02D-5-6-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-05	SB05-7-8	05/14/2010	05/14/2010	06/03/2010	BBG-SB05-7-8-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-05	SB05-7-8	05/14/2010	05/14/2010	06/10/2010	BBG-SB05-7-8-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-06	SS33-0-1	05/17/2010	05/19/2010	06/03/2010	BBG-SS33-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-06	SS33-0-1	05/17/2010	05/19/2010	06/10/2010	BBG-SS33-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-07	SB33-4-5	05/17/2010	05/19/2010	06/03/2010	BBG-SB33-4-5-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-07	SB33-4-5	05/17/2010	05/19/2010	06/10/2010	BBG-SB33-4-5-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-08	SB31-5-6	05/17/2010	05/19/2010	06/03/2010	BBG-SB31-5-6-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-08	SB31-5-6	05/17/2010	05/19/2010	06/10/2010	BBG-SB31-5-6-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-09	SS31-0-1	05/17/2010	05/19/2010	06/03/2010	BBG-SS31-0-1-10B

LAB WO	Project	Sample #	Field ID	Sample Date	Receive Date	DueDate	Chain of Custody ID
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-09	SS31-0-1	05/17/2010	05/19/2010	06/10/2010	BBG-SS31-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-10	SS32-0-1	05/18/2010	05/19/2010	06/03/2010	BBG-SS32-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-10	SS32-0-1	05/18/2010	05/19/2010	06/10/2010	BBG-SS32-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-11	SS32D-0-1	05/18/2010	05/19/2010	06/03/2010	BBG-SS32D-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-11	SS32D-0-1	05/18/2010	05/19/2010	06/10/2010	BBG-SS32D-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-12	SB32-2.5-3.5	05/18/2010	05/19/2010	06/03/2010	BBG-SB32-2.5-3.5-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-12	SB32-2.5-3.5	05/18/2010	05/19/2010	06/10/2010	BBG-SB32-2.5-3.5-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-13	SB32D-2.5-3.5	05/18/2010	05/19/2010	06/03/2010	BBG-SB32D-2.5-3.5-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-13	SB32D-2.5-3.5	05/18/2010	05/19/2010	06/10/2010	BBG-SB32D-2.5-3.5-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-14	SB50-1-2	05/18/2010	05/21/2010	06/03/2010	BBG-SB50-1-2-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-14	SB50-1-2	05/18/2010	05/21/2010	06/10/2010	BBG-SB50-1-2-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-15	SS12-0-1	05/19/2010	05/21/2010	06/03/2010	BBG-SS12-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-15	SS12-0-1	05/19/2010	05/21/2010	06/10/2010	BBG-SS12-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-16	SB12-2-3	05/19/2010	05/21/2010	06/03/2010	BBG-SB12-2-3-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-16	SB12-2-3	05/19/2010	05/21/2010	06/10/2010	BBG-SB12-2-3-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-17	SS44-0-1	05/20/2010	05/21/2010	06/03/2010	BBG-SS44-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-17	SS44-0-1	05/20/2010	05/21/2010	06/10/2010	BBG-SS44-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-18	SB44-5-6	05/20/2010	05/21/2010	06/03/2010	BBG-SB44-5-6-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-18	SB44-5-6	05/20/2010	05/21/2010	06/10/2010	BBG-SB44-5-6-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-19	SS43-0-1	05/20/2010	05/21/2010	06/03/2010	BBG-SS43-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-19	SS43-0-1	05/20/2010	05/21/2010	06/10/2010	BBG-SS43-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-20	SB43-3-4	05/20/2010	05/21/2010	06/03/2010	BBG-SB43-3-4-10B

LAB WO	Project	Sample #	Field ID	Sample Date	Receive Date	DueDate	Chain of Custody ID
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-20	SB43-3-4	05/20/2010	05/21/2010	06/10/2010	BBG-SB43-3-4-10B

WORK ORDER

1005134

Printed: 5/28/2010 6:52:43PM

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005134** **CASE:**	**Status:**	**Prepared**

Report To:
CH2M HILL, INC.
REBEKHA SHAW
5700 CLEVELAND STREET, SUITE 101
VIRGINIA BEACH, VA 23462
Phone: 757-671-8311
Fax: -

Invoice To:
CH2M HILL, INC.
ACCOUNTS PAYABLE
P.O. BOX 241329
DENVER, CO 80224
Phone :757-671-8311
Fax: -

Date Due: 06/10/2010 00:00 (20 day TAT)

Received By: Cathy Dover — Date Received: 05/21/2010 16:00

Logged In By: Cathy Dover — Date Logged In: 05/16/2010 22:48

J & B Flags?: **YES**	TICS?:**NO**	Deliverable: **Style 9 PQL/MDL Forms**	EDD : **30) CH2 SNEDD**
Metals ND to? **RL/CRQL**	Spike Level: **FULL Spike**		

DOD CRITERIA*USE 1005134-18 FOR QC*SIM 8270C=PAH.SUB*PEST 8081A* METALS=TOTAL Cr ONLY*HEXAVALENT Cr 7196A + Cr+3 REPORTED ON FORMS & EDD

Analysis	Due	TAT	Expires	Received	Comments
1005134-01 SS02-0-1 [Soil] Sampled 05/14/2010 09:30 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/10/2010 09:30	05/14/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/10/2010 09:30	05/14/2010 16:00	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/10/2010 09:30	05/14/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/28/2010 09:30	05/14/2010 16:00	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/10/2010 09:30	05/14/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	05/28/2010 09:30	05/14/2010 16:00	SubList = GC- 8081 DOD
1005134-02 SS02D-0-1 [Soil] Sampled 05/14/2010 09:35 Eastern					
6010B METALS	06/10/2010 16:00	20	11/10/2010 09:35	05/14/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/28/2010 09:35	05/14/2010 16:00	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/10/2010 09:35	05/14/2010 16:00	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/10/2010 09:35	05/14/2010 16:00	
Solids, Dry Weight	06/03/2010 16:00	13	11/10/2010 09:35	05/14/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	05/28/2010 09:35	05/14/2010 16:00	SubList = GC- 8081 DOD

1005134

COMPUCHEM

Client:	CH2M HILL, INC.	**Project Manager:**	Cathy Dover
Project:	CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Project Number:**	CTO-094 MCB CAMP LEJEUNE/395307.SA.D
SDG:	1005134 **CASE:**	**Status:**	Received

Analysis	Due	TAT	Expires		Comments
1005134-03 SB02-5-6 [Soil] Sampled 05/14/2010 09:40 Eastern					
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/10/2010 09:40	05/14/2010 16:00	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/10/2010 09:40	05/14/2010 16:00	
Solids, Dry Weight	06/03/2010 16:00	13	11/10/2010 09:40	05/14/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/10/2010 09:40	05/14/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/28/2010 09:40	05/14/2010 16:00	SubList = SVsim- PAH
GC-8081A/PEST	06/10/2010 16:00	20	05/28/2010 09:40	05/14/2010 16:00	SubList = GC- 8081 DOD
1005134-04 SB02D-5-6 [Soil] Sampled 05/14/2010 09:45 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/10/2010 09:45	05/14/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/10/2010 09:45	05/14/2010 16:00	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/10/2010 09:45	05/14/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	05/28/2010 09:45	05/14/2010 16:00	SubList = GC- 8081 DOD
Solids, Dry Weight	06/03/2010 16:00	13	11/10/2010 09:45	05/14/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/28/2010 09:45	05/14/2010 16:00	SubList = SVsim- PAH
1005134-05 SB05-7-8 [Soil] Sampled 05/14/2010 08:10 Eastern					
GC-8081A/PEST	06/10/2010 16:00	20	05/28/2010 08:10	05/14/2010 16:00	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/28/2010 08:10	05/14/2010 16:00	SubList = SVsim- PAH
Solids, Dry Weight	06/03/2010 16:00	13	11/10/2010 08:10	05/14/2010 16:00	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/10/2010 08:10	05/14/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/10/2010 08:10	05/14/2010 16:00	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/10/2010 08:10	05/14/2010 16:00	
1005134-06 SS33-0-1 [Soil] Sampled 05/17/2010 11:50 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/13/2010 11:50	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/31/2010 11:50	05/19/2010 09:05	SubList = SVsim- PAH
GC-8081A/PEST	06/10/2010 16:00	20	05/31/2010 11:50	05/19/2010 09:05	SubList = GC- 8081 DOD
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/13/2010 11:50	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/13/2010 11:50	05/19/2010 09:05	
6010B METALS	06/10/2010 16:00	20	11/13/2010 11:50	05/19/2010 09:05	

1005134

COMPUCHEM

Client:	CH2M HILL, INC.	**Project Manager:**	Cathy Dover
Project:	CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Project Number:**	CTO-094 MCB CAMP LEJEUNE/395307.SA.DI
SDG:	1005134 **CASE:**	**Status:**	Received

Analysis	Due	TAT	Expires		Comments
1005134-07 SB33-4-5 [Soil] Sampled 05/17/2010 12:00 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/13/2010 12:00	05/19/2010 09:05	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/13/2010 12:00	05/19/2010 09:05	
6010B METALS	06/10/2010 16:00	20	11/13/2010 12:00	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	05/31/2010 12:00	05/19/2010 09:05	SubList = GC- 8081 DOD
Solids, Dry Weight	06/03/2010 16:00	13	11/13/2010 12:00	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/31/2010 12:00	05/19/2010 09:05	SubList = SVsim- PAH
1005134-08 SB31-5-6 [Soil] Sampled 05/17/2010 12:40 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/13/2010 12:40	05/19/2010 09:05	
6010B METALS	06/10/2010 16:00	20	11/13/2010 12:40	05/19/2010 09:05	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/13/2010 12:40	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/31/2010 12:40	05/19/2010 09:05	SubList = SVsim- PAH
Solids, Dry Weight	06/03/2010 16:00	13	11/13/2010 12:40	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	05/31/2010 12:40	05/19/2010 09:05	SubList = GC- 8081 DOD
1005134-09 SS31-0-1 [Soil] Sampled 05/17/2010 12:25 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/13/2010 12:25	05/19/2010 09:05	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/13/2010 12:25	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/13/2010 12:25	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	05/31/2010 12:25	05/19/2010 09:05	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/31/2010 12:25	05/19/2010 09:05	SubList = SVsim- PAH
6010B METALS	06/10/2010 16:00	20	11/13/2010 12:25	05/19/2010 09:05	
1005134-10 SS32-0-1 [Soil] Sampled 05/18/2010 11:00 Eastern					
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 11:00	05/19/2010 09:05	SubList = SVsim- PAH
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 11:00	05/19/2010 09:05	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/14/2010 11:00	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 11:00	05/19/2010 09:05	SubList = GC- 8081 DOD
6010B METALS	06/10/2010 16:00	20	11/14/2010 11:00	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 11:00	05/19/2010 09:05	

COMPUCHEM

Client:	CH2M HILL, INC.	**Project Manager:**	Cathy Dover
Project:	CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Project Number:**	CTO-094 MCB CAMP LEJEUNE/395307.SA.D
SDG:	1005134 **CASE:**	**Status:**	Prepared

Analysis	Due	TAT	Expires		Comments
1005134-11 SS32D-0-1 [Soil] Sampled 05/18/2010 11:05 Eastern					
6010B METALS	06/10/2010 16:00	20	11/14/2010 11:05	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 11:05	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 11:05	05/19/2010 09:05	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/14/2010 11:05	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 11:05	05/19/2010 09:05	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 11:05	05/19/2010 09:05	SubList = SVsim- PAH
1005134-12 SB32-2.5-3.5 [Soil] Sampled 05/18/2010 11:10 Eastern					
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 11:10	05/19/2010 09:05	SubList = SVsim- PAH
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 11:10	05/19/2010 09:05	SubList = GC- 8081 DOD
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/14/2010 11:10	05/19/2010 09:05	
6010B METALS	06/10/2010 16:00	20	11/14/2010 11:10	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 11:10	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 11:10	05/19/2010 09:05	
1005134-13 SB32D-2.5-3.5 [Soil] Sampled 05/18/2010 11:15 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 11:15	05/19/2010 09:05	
6010B METALS	06/10/2010 16:00	20	11/14/2010 11:15	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 11:15	05/19/2010 09:05	SubList = SVsim- PAH
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 11:15	05/19/2010 09:05	SubList = GC- 8081 DOD
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 11:15	05/19/2010 09:05	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/14/2010 11:15	05/19/2010 09:05	
1005134-14 SB50-1-2 [Soil] Sampled 05/18/2010 17:50 Eastern					
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/14/2010 17:50	05/21/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 17:50	05/21/2010 16:00	SubList = SVsim- PAH
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 17:50	05/21/2010 16:00	SubList = GC- 8081 DOD
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 17:50	05/21/2010 16:00	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 17:50	05/21/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/14/2010 17:50	05/21/2010 16:00	

1005134

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005134** **CASE:**	**Status:**	**Prepared**

Analysis	Due	TAT	Expires		Comments
1005134-15 SS12-0-1 [Soil] Sampled 05/19/2010 12:45 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 12:45	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 12:45	05/21/2010 16:00	SubList = GC- 8081 DOD
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/15/2010 12:45	05/21/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/15/2010 12:45	05/21/2010 16:00	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 12:45	05/21/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 12:45	05/21/2010 16:00	SubList = SVsim- PAH
1005134-16 SB12-2-3 [Soil] Sampled 05/19/2010 12:55 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 12:55	05/21/2010 16:00	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/15/2010 12:55	05/21/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/15/2010 12:55	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 12:55	05/21/2010 16:00	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 12:55	05/21/2010 16:00	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 12:55	05/21/2010 16:00	
1005134-17 SS44-0-1 [Soil] Sampled 05/20/2010 08:10 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 08:10	05/21/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/16/2010 08:10	05/21/2010 16:00	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/16/2010 08:10	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 08:10	05/21/2010 16:00	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 08:10	05/21/2010 16:00	SubList = SVsim- PAH
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 08:10	05/21/2010 16:00	
1005134-18 SB44-5-6 [Soil] Sampled 05/20/2010 08:25 Eastern				**USE FOR QC**	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/16/2010 08:25	05/21/2010 16:00	
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 08:25	05/21/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/16/2010 08:25	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 08:25	05/21/2010 16:00	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 08:25	05/21/2010 16:00	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 08:25	05/21/2010 16:00	

WORK ORDER

1005134

Printed: 5/28/2010 6:52:43PM

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005134** **CASE:**	**Status:**	**Batched**

Analysis	Due	TAT	Expires		Comments
1005134-19 SS43-0-1 [Soil] Sampled 05/20/2010 10:35 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 10:35	05/21/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 10:35	05/21/2010 16:00	SubList = SVsim- PAH
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/16/2010 10:35	05/21/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/16/2010 10:35	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 10:35	05/21/2010 16:00	SubList = GC- 8081 DOD
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 10:35	05/21/2010 16:00	
1005134-20 SB43-3-4 [Soil] Sampled 05/20/2010 10:45 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 10:45	05/21/2010 16:00	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 10:45	05/21/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/16/2010 10:45	05/21/2010 16:00	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/16/2010 10:45	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 10:45	05/21/2010 16:00	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 10:45	05/21/2010 16:00	SubList = SVsim- PAH

Analysis groups included in this work order

TRIVALENT CHROMIUM Cr3 7196A

Total Cr by Metals HEXAVALENT CHROMI

INTERNAL DIGESTION COC

0052614

COMPUCHEM

Printed: 5/26/2010 12:27:40PM

Matrix: Soil **Prepared using: METALS - EPA 3050B**

Lab Number	Client ID	Sample Type	
0052614-BLK1	PBS	Blank	
0052614-BS1	LCSS	LCS	
0052614-DUP1	SB44-5-6D	Duplicate	
0052614-MS1	SB44-5-6S	Matrix Spike	
0052614-MSD1	SB44-5-6SD	Matrix Spike Dup	
1005134-01	SS02-0-1	Sample	
1005134-02	SS02D-0-1	Sample	
1005134-03	SB02-5-6	Sample	
1005134-04	SB02D-5-6	Sample	
1005134-05	SB05-7-8	Sample	
1005134-06	SS33-0-1	Sample	
1005134-07	SB33-4-5	Sample	
1005134-08	SB31-5-6	Sample	
1005134-09	SS31-0-1	Sample	
1005134-10	SS32-0-1	Sample	
1005134-11	SS32D-0-1	Sample	
1005134-12	SB32-2.5-3.5	Sample	
1005134-13	SB32D-2.5-3.5	Sample	
1005134-14	SB50-1-2	Sample	
1005134-15	SS12-0-1	Sample	
1005134-16	SB12-2-3	Sample	
1005134-17	SS44-0-1	Sample	
1005134-18	SB44-5-6	Sample	
1005134-19	SS43-0-1	Sample	
1005134-20	SB43-3-4	Sample	

D. Dicken	5-27-10 1200	ICP Stg.	5-27-10 1200
Relinquished By	Date	Received By	Date
	060110/1130		060110/1130
Relinquished By	Date	Received By	Date
	060310/1215		060310/1215
Relinquished By	Date	Received By	Date
		6-3-10	
Relinquished By	Date	Received By	Date

Metals Internal Chain of Custody Sheet

Batch: 0052614 **Status:** Batched **Analysis**: 6010B METALS

Lab Id	Client_Id	Received	Container	Extraction	Preservative	Matrix	Due Date	Cust Date
1005134-01 B	SS02-0-1	05/14/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	5/17/2010
1005134-02 B	SS02D-0-1	05/14/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	5/17/2010
1005134-03 B	SB02-5-6	05/14/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	5/17/2010
1005134-04 B	SB02D-5-6	05/14/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	5/17/2010
1005134-05 B	SB05-7-8	05/14/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	5/17/2010
1005134-06 B	SS33-0-1	05/19/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	5/20/2010
1005134-07 B	SB33-4-5	05/19/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005134-08 B	SB31-5-6	05/19/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005134-09 B	SS31-0-1	05/19/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005134-10 B	SS32-0-1	05/19/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005134-11 B	SS32D-0-1	05/19/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005134-12 B	SB32-2.5-3.5	05/19/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005134-13 B	SB32D-2.5-3.5	05/19/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005134-14 B	SB50-1-2	05/21/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005134-15 B	SS12-0-1	05/21/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005134-16 B	SB12-2-3	05/21/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005134-17 B	SS44-0-1	05/21/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005134-18 B	SB44-5-6	05/21/10	4c_8OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005134-19 B	SS43-0-1	05/21/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005134-20 B	SB43-3-4	05/21/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	

Pulled 1-5&14-20(-KM 5.26.10)

Pulled 6-13(KM 5.26.10)

Cooler #1	5.26.10 1410	D/Byrd. K.Manning	5.26.10 1410
Relinquished By	Date/Time	Received By	Date/Time
K.Manning/D.Byrd	5.26.10 1411	John Reed	5-26-10 1411
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

CompuChem

A Division Of

Liberty Analytical Corp.

7/8/2010

REBEKHA SHAW

CH2M HILL, INC.

5700 CLEVELAND STREET, SUITE 101

VIRGINIA BEACH, VA 23462

Subject:

Report of Data - Project: CTO-094 MCB CAMP LEJEUNE/395307.S, WorkOrder: 1005134

Attn.: REBEKHA SHAW

Enclosed are the results of analytical work performed in accordance with the referenced account number. This report covers sample(s) appearing on the listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097

Sincerely,

Compuchem

a division of Liberty Analytical Corporation

Attachment

TOTAL NUMBER

OF PAGES _____

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

CompuChem, a division of Liberty Analytical

Client: CH2M HILL, INC. **Work:** 1005134

Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM **Sdg:** 1005134

Lab ID	Client ID	Matrix	Date Sampled	Date Received
1005134-01	SS02-0-1	Soil	05/14/2010 09:30	05/14/2010 16:00
1005134-02	SS02D-0-1	Soil	05/14/2010 09:35	05/14/2010 16:00
1005134-03	SB02-5-6	Soil	05/14/2010 09:40	05/14/2010 16:00
1005134-04	SB02D-5-6	Soil	05/14/2010 09:45	05/14/2010 16:00
1005134-05	SB05-7-8	Soil	05/14/2010 08:10	05/14/2010 16:00
1005134-06	SS33-0-1	Soil	05/17/2010 11:50	05/19/2010 09:05
1005134-07	SB33-4-5	Soil	05/17/2010 12:00	05/19/2010 09:05
1005134-08	SB31-5-6	Soil	05/17/2010 12:40	05/19/2010 09:05
1005134-09	SS31-0-1	Soil	05/17/2010 12:25	05/19/2010 09:05
1005134-10	SS32-0-1	Soil	05/18/2010 11:00	05/19/2010 09:05
1005134-11	SS32D-0-1	Soil	05/18/2010 11:05	05/19/2010 09:05
1005134-12	SB32-2.5-3.5	Soil	05/18/2010 11:10	05/19/2010 09:05
1005134-13	SB32D-2.5-3.5	Soil	05/18/2010 11:15	05/19/2010 09:05
1005134-14	SB50-1-2	Soil	05/18/2010 17:50	05/21/2010 16:00
1005134-15	SS12-0-1	Soil	05/19/2010 12:45	05/21/2010 16:00
1005134-16	SB12-2-3	Soil	05/19/2010 12:55	05/21/2010 16:00
1005134-17	SS44-0-1	Soil	05/20/2010 08:10	05/21/2010 16:00
1005134-18	SB44-5-6	Soil	05/20/2010 08:25	05/21/2010 16:00
1005134-19	SS43-0-1	Soil	05/20/2010 10:35	05/21/2010 16:00
1005134-20	SB43-3-4	Soil	05/20/2010 10:45	05/21/2010 16:00

CompuChem, a Division of Liberty Analytical Corporation

I. SAMPLE DATA SUMMARY PACKAGE

GC by SW-846

The sample data summary package shall contain data for all samples in one Sample Delivery Group (SDG) of the Case, as follows:

A. SDG Narrative

B. Tabulated target compound results (Form I)

C. Surrogate spike analysis results (Form II)
By matrix (Water or Soil), and
by concentration (Low, or Medium)

D. Spike results MS / MSD / LCS (Form III)

E. Blank data (Form IV)
Tabulated blank results (Form I)

LAB CODE: LIBRTY

METHOD: 8081B

SDG #: 1005134

A. SDG Narrative

CompuChem

a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG # 1005134
PROTOCOL: SW-846

SAMPLE IDENTIFICATIONS: SB02-5-6, SB02D-5-6, SB05-7-8, SB12-2-3, SB31-5-6, SB32-2.5-3.5, SB32D-2.5-3.5, SB33-4-5, SB43-3-4, SB44-5-6, SB50-1-2, SS02-0-1, SS02D-0-1, SS12-0-1, SS31-0-1, SS32-0-1, SS32D-0-1, SS33-0-1, SS43-0-1, SS44-0-1

The twenty samples listed above were received intact, refrigerated between 1.7 and 4.3°C, with proper documentation, in sealed shipping containers, on May 14th, 19th, and 21st, 2010. The samples were scheduled for the requested analysis of the Pesticide fraction only. SW-846, 3rd Edition, Update 4, Method 8081B was used to prepare and analyze the samples, with the exceptions and/or additions requested by the client. All pertinent Quality Assurance notices are included in the narrative section and all pertinent Laboratory notices for SDG # 1005134 are included in the sample data sections.

Pesticide

Extraction and analysis holding time requirements were met for the samples. The samples in this SDG were further cleaned through GPC cleanup process.

Target analytes confirmed above the reporting limits in samples SS12-0-1 and SS44-0-1. No target analytes confirmed above the reporting limits in the remaining samples. Manual integrations performed on the samples within this SDG are documented on a spreadsheet after the narrative.

All QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All surrogate recoveries were with the method specified limits, with the exceptions of Tetrachloro-m-xylene on the clpest2 column in samples SS02-D-0-1, SB02-5-6, PBLKCN, SB44-5-6MS, SB33-4-5, SB31-5-6, SS31-0-1, SB12-2-3; on both columns in samples PBLKBO, SS02-0-1, SB05-7-8, SS33-0-1, SB32-2.5-3.5, SB32D-2.5-3.5, SB50-1-2, SS44-0-1, SB44-5-6, and SB43-3-4; and all of the surrogates in sample SS43-0-1. These recoveries did not meet DoD criteria; however, they meet the laboratory's in house statistical limits. Some of the samples were Re-GPCed with the same effect.

The method blank associated with the samples met all quality control criteria.

Duplicate matrix spike samples were performed with sample SB44-5-6, and met recovery and precision criteria. The Laboratory Control Samples (LCS/LCSD) prepared and analyzed with the samples met recovery and precision criteria.

An uncertainty of these test results may be estimated from the recovery of the surrogates added to the sample prior to sample preparation or from the recovery of spiked compound(s) in the associated laboratory control sample. Further information is available upon request.

I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on CD has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Teresa Amentt Jennings

Teresa Amentt Jennings
GC/HPLC Data Reviewer
June 11, 2010

Manual Integrations									
SDG:	1005134								
Sample(s)	SS33-0-1	SS31-0-1	SS44-0-1	SB44-5-6	SB43-3-4				
Compound									
alpha-BHC									
gamma-BHC									
beta-BHC	X		X						
delta-BHC									
Heptachlor	X								
Aldrin									
Heptachlor Epoxide	X								
gamma-Chlordane									
alpha-Chlordane		X							
Endosulfan I	X								
4,4'-DDE									
Dieldrin									
Endrin									
4,4'-DDD									
Endosulfan II									
4,4'-DDT			X		X				
Endrin Aldehyde			X						
Endosulfan sulfate									
Methoxychlor									
Endrin Ketone									
Toxaphene									
Technical Chordane									
Tetrachloro-m-xylene			X	X					
Decachlorbiphenyl									
"X" Denotes a manual integration for the compound									

GC and GC/MS Column and Trap Specifications Table

SDG #: 1005134

COLUMNS

Columns Utilized	Brand Name	Coating Material	ID (mm)	Film Thickness (um)	Length (m)
	GC Laboratory				
	Restek	RTX-5	0.53	1.0	30
	Restek	RTX-SMS	0.53	1.0	30
✓	Restek	clpest	0.32	0.5	30
✓	Restek	clpest2	0.32	0.42	30
	J&W	DB-210	0.53	1.0	30
	J&W	GS-GASPRO	0.32	N/A	30
	GC Volatiles Laboratory				
	Restek	RTX-Volatiles	0.53	2.0	30
	GC/MS Volatiles Laboratory				
	Restek	RTX-VMS	0.18	1.0	20
	Supelco	SPB-624	0.32	1.8	60
	Supelco	SPB-624	0.53	3.0	75
	Phenomonex	ZB-624	0.32	1.8	60
	GC/MS Semivolatiles Laboratory				
	Restek	RTX-5MS	0.32	0.25	30
	HPLC Laboratory				
	Supelco	Supelcosil LC-PAH	4.6	5.0	15 cm
	Supelco	Discovery RP Amide C16	4.6	5.0	25 cm
	Restek	Pinnacle Cyano	4.6	5.0	25 cm
	Restek	Allure C18	4.6	5.0	25 cm

TRAPS

GC and GC/MS Volatiles Laboratory	
Supelco J (BETXTRAP™)	* 7.7 cm Carbopack C
	* 1.2 cm Carbopack B
Supelco K (Vocarb3000)	* 10 cm of Carbopack B (Graphitized Carbons)
	* 6 cm of Carboxen 1000 (Carbon molecular sieves)
	* 1 cm of Carboxen 1001 (Carbon molecular sieves)

Rev. 28

CompuChem

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CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.).

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Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC chemists. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC analysis. The manual editing/integration flags are:

M - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak.

H - Denotes that the data reviewer, GC/MS operator, or GC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

MH - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.

L - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

The EPA CLP SOW documents require additional explanations for manual editing/integration. In the accompanying raw data packages, additional codes have been applied to the "M" flag and carry the following meanings;

M1 - The compound was not found by the automatic integration routine.

M2 - The compound was incorrectly integrated by the automatic integration routine.

M3 - The co-eluting compounds were incorrectly integrated by the automatic integration routine.

These codes will appear in the GC/MS and GC raw data.

Revision 7 (12/6/2005)

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DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each compound. The qualifiers used are:

U : This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J : This flag indicates an estimated value. The flag is used as detailed below:

1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1:1 is assumed for the TIC analyte,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide and/or Aroclor or other GC or HPLC identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.

N : This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search and must be used with the J flag. For generic characterization of a TIC such as "chlorinated hydrocarbon" (or for an "unknown," with no matches $\geq$ 85% in the SOM01.2 SOW document), the N flag is not used.

P : In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the Form I and flagged with a P.
For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the lower of the two values is reported and flagged with a P. When the RPD is equal to or less than 40%, our policy is to also report the lower of the two values, although the choice could be a project specific issue. These SW-846 policies are consistent with Method 8000C. If Method 8000B is required, the higher of the two values is reported. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

DATA REPORTING QUALIFIERS (continued)

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis. If one or more compounds have a concentration greater than the upper level of the calibration range, the sample or extract will be diluted and reanalyzed. All such compounds with a concentration greater than the upper level of the calibration range will have the result flagged with an E on Form I for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration of an analyte exceeds the upper calibration range, the DL suffix is appended to the sample number on the Form I for the more diluted sample, and **all** reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.

NOTE 1: The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.

NOTE 2: Separate Forms I are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses are not combined on a single Form I.

A: This flag indicates that a TIC is a suspected aldol-condensation product.

S: In the SOM01.2 SOW document, this flag is used to indicate an estimated value for Aroclor target compounds where a valid 5-point initial calibration was not performed prior to the analytes detection in a sample. If an "S" flag is used for a specific Aroclor, then a reanalysis of the sample is required after a valid 5-point calibration is performed for the detected Aroclor.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y, and Z.

B. Form I

Organic Analysis Data Sheet (OADS)
- All samples in alphanumeric order
- Matrix Spike/Matrix Spike Duplicate
- Laboratory Control Sample(s)

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBOLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 0051919-BS1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/20/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/01/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	3.8	
319-85-7	beta-BHC	4.1	
319-84-6	alpha-BHC	4.5	
319-86-8	delta-BHC	4.8	
58-89-9	gamma-BHC (Lindane)	4.2	
72-54-8	4,4'-DDD	12	
72-55-9	4,4'-DDE	11	
50-29-3	4,4'-DDT	15	
60-57-1	Dieldrin	12	
959-98-8	Endosulfan I	4.3	
33213-65-9	Endosulfan II	11	
1031-07-8	Endosulfan sulfate	10	
72-20-8	Endrin	11	
7421-93-4	Endrin Aldehyde	6.7	
76-44-8	Heptachlor	4.9	
1024-57-3	Heptachlor Epoxide	5.0	
72-43-5	Methoxychlor	12	J
8001-35-2	Toxaphene	83	U
53494-70-5	Endrin Ketone	12	
5103-74-2	gamma-Chlordane	4.5	
5103-71-9	alpha-Chlordane	5.0	

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBOLCSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 0051919-BSD1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/20/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/02/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	3.6	
319-85-7	beta-BHC	4.1	
319-84-6	alpha-BHC	4.4	
319-86-8	delta-BHC	4.6	
58-89-9	gamma-BHC (Lindane)	3.9	
72-54-8	4,4'-DDD	11	
72-55-9	4,4'-DDE	11	
50-29-3	4,4'-DDT	10	
60-57-1	Dieldrin	11	
959-98-8	Endosulfan I	4.1	
33213-65-9	Endosulfan II	11	
1031-07-8	Endosulfan sulfate	10	
72-20-8	Endrin	11	
7421-93-4	Endrin Aldehyde	6.0	
76-44-8	Heptachlor	4.7	
1024-57-3	Heptachlor Epoxide	4.6	
72-43-5	Methoxychlor	12	J
8001-35-2	Toxaphene	83	U
53494-70-5	Endrin Ketone	11	
5103-74-2	gamma-Chlordane	4.3	
5103-71-9	alpha-Chlordane	4.8	

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PCNLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 0052510-BS1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	3.8	
319-85-7	beta-BHC	3.9	
319-84-6	alpha-BHC	4.3	
319-86-8	delta-BHC	4.4	
58-89-9	gamma-BHC (Lindane)	4.0	
72-54-8	4,4'-DDD	10	
72-55-9	4,4'-DDE	10	
50-29-3	4,4'-DDT	9.4	
60-57-1	Dieldrin	11	
959-98-8	Endosulfan I	4.0	
33213-65-9	Endosulfan II	10	
1031-07-8	Endosulfan sulfate	9.8	
72-20-8	Endrin	10	
7421-93-4	Endrin Aldehyde	4.8	
76-44-8	Heptachlor	4.7	
1024-57-3	Heptachlor Epoxide	4.6	
72-43-5	Methoxychlor	11	J
8001-35-2	Toxaphene	83	U
53494-70-5	Endrin Ketone	11	
5103-74-2	gamma-Chlordane	4.1	
5103-71-9	alpha-Chlordane	4.5	

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB02-5-6

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 20 decanted: (Y/N) N Date Received: 05/14/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/20/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/02/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.1	U
319-85-7	beta-BHC	2.1	U
319-84-6	alpha-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
72-54-8	4,4'-DDD	4.1	U
72-55-9	4,4'-DDE	4.1	U
50-29-3	4,4'-DDT	4.1	U
60-57-1	Dieldrin	4.1	U
959-98-8	Endosulfan I	2.1	U
33213-65-9	Endosulfan II	4.1	U
1031-07-8	Endosulfan sulfate	4.1	U
72-20-8	Endrin	4.1	U
7421-93-4	Endrin Aldehyde	4.1	U
76-44-8	Heptachlor	0.30	JP
1024-57-3	Heptachlor Epoxide	2.1	U
72-43-5	Methoxychlor	21	U
8001-35-2	Toxaphene	100	U
53494-70-5	Endrin Ketone	4.1	U
5103-74-2	gamma-Chlordane	2.1	U
5103-71-9	alpha-Chlordane	2.1	U

FORM I PEST

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB02D-5-6

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 22 decanted: (Y/N) N Date Received: 05/14/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/20/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/02/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.2	U
319-85-7	beta-BHC	2.2	U
319-84-6	alpha-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
72-54-8	4,4'-DDD	4.2	U
72-55-9	4,4'-DDE	4.2	U
50-29-3	4,4'-DDT	4.2	U
60-57-1	Dieldrin	4.2	U
959-98-8	Endosulfan I	2.2	U
33213-65-9	Endosulfan II	4.2	U
1031-07-8	Endosulfan sulfate	4.2	U
72-20-8	Endrin	4.2	U
7421-93-4	Endrin Aldehyde	4.2	U
76-44-8	Heptachlor	0.35	J
1024-57-3	Heptachlor Epoxide	2.2	U
72-43-5	Methoxychlor	22	U
8001-35-2	Toxaphene	110	U
53494-70-5	Endrin Ketone	4.2	U
5103-74-2	gamma-Chlordane	0.24	JP
5103-71-9	alpha-Chlordane	2.2	U

FORM I PEST

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB05-7-8

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 28 decanted: (Y/N) N Date Received: 05/14/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/20/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/02/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.4	U
319-85-7	beta-BHC	2.4	U
319-84-6	alpha-BHC	2.4	U
319-86-8	delta-BHC	2.4	U
58-89-9	gamma-BHC (Lindane)	2.4	U
72-54-8	4,4'-DDD	4.6	U
72-55-9	4,4'-DDE	4.6	U
50-29-3	4,4'-DDT	4.6	U
60-57-1	Dieldrin	4.6	U
959-98-8	Endosulfan I	2.4	U
33213-65-9	Endosulfan II	4.6	U
1031-07-8	Endosulfan sulfate	4.6	U
72-20-8	Endrin	4.6	U
7421-93-4	Endrin Aldehyde	4.6	U
76-44-8	Heptachlor	2.4	U
1024-57-3	Heptachlor Epoxide	2.4	U
72-43-5	Methoxychlor	24	U
8001-35-2	Toxaphene	120	U
53494-70-5	Endrin Ketone	4.6	U
5103-74-2	gamma-Chlordane	2.4	U
5103-71-9	alpha-Chlordane	2.4	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB12-2-3

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-16

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 11 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.9	U
319-85-7	beta-BHC	1.9	U
319-84-6	alpha-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
72-54-8	4,4'-DDD	3.7	U
72-55-9	4,4'-DDE	3.7	U
50-29-3	4,4'-DDT	0.90	JP
60-57-1	Dieldrin	3.7	U
959-98-8	Endosulfan I	1.9	U
33213-65-9	Endosulfan II	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
72-20-8	Endrin	3.7	U
7421-93-4	Endrin Aldehyde	3.7	U
76-44-8	Heptachlor	1.9	U
1024-57-3	Heptachlor Epoxide	1.9	U
72-43-5	Methoxychlor	19	U
8001-35-2	Toxaphene	93	U
53494-70-5	Endrin Ketone	3.7	U
5103-74-2	gamma-Chlordane	1.9	U
5103-71-9	alpha-Chlordane	1.9	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB31-5-6

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 17 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	2.0	U
319-84-6	alpha-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
72-54-8	4,4'-DDD	4.0	U
72-55-9	4,4'-DDE	4.0	U
50-29-3	4,4'-DDT	4.0	U
60-57-1	Dieldrin	4.0	U
959-98-8	Endosulfan I	2.0	U
33213-65-9	Endosulfan II	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
72-20-8	Endrin	4.0	U
7421-93-4	Endrin Aldehyde	4.0	U
76-44-8	Heptachlor	2.0	U
1024-57-3	Heptachlor Epoxide	2.0	U
72-43-5	Methoxychlor	20	U
8001-35-2	Toxaphene	100	U
53494-70-5	Endrin Ketone	4.0	U
5103-74-2	gamma-Chlordane	2.0	U
5103-71-9	alpha-Chlordane	2.0	U

FORM I PEST

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB32-2.5-3.5

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-12

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 7 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.8	U
319-85-7	beta-BHC	1.8	U
319-84-6	alpha-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
72-54-8	4,4'-DDD	3.5	U
72-55-9	4,4'-DDE	3.5	U
50-29-3	4,4'-DDT	0.67	J
60-57-1	Dieldrin	3.5	U
959-98-8	Endosulfan I	1.8	U
33213-65-9	Endosulfan II	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
72-20-8	Endrin	3.5	U
7421-93-4	Endrin Aldehyde	3.5	U
76-44-8	Heptachlor	1.8	U
1024-57-3	Heptachlor Epoxide	1.8	U
72-43-5	Methoxychlor	18	U
8001-35-2	Toxaphene	89	U
53494-70-5	Endrin Ketone	3.5	U
5103-74-2	gamma-Chlordane	1.8	U
5103-71-9	alpha-Chlordane	1.8	U

FORM I PEST

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB32D-2.5-3.5

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-13

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 9 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.9	U
319-85-7	beta-BHC	1.9	U
319-84-6	alpha-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
72-54-8	4,4'-DDD	3.6	U
72-55-9	4,4'-DDE	3.6	U
50-29-3	4,4'-DDT	3.6	U
60-57-1	Dieldrin	3.6	U
959-98-8	Endosulfan I	1.9	U
33213-65-9	Endosulfan II	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
72-20-8	Endrin	3.6	U
7421-93-4	Endrin Aldehyde	3.6	U
76-44-8	Heptachlor	1.9	U
1024-57-3	Heptachlor Epoxide	1.9	U
72-43-5	Methoxychlor	19	U
8001-35-2	Toxaphene	91	U
53494-70-5	Endrin Ketone	3.6	U
5103-74-2	gamma-Chlordane	1.9	U
5103-71-9	alpha-Chlordane	1.9	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB33-4-5

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 11 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.9	U
319-85-7	beta-BHC	1.9	U
319-84-6	alpha-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
72-54-8	4,4'-DDD	3.7	U
72-55-9	4,4'-DDE	0.56	J
50-29-3	4,4'-DDT	3.7	U
60-57-1	Dieldrin	3.7	U
959-98-8	Endosulfan I	1.9	U
33213-65-9	Endosulfan II	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
72-20-8	Endrin	3.7	U
7421-93-4	Endrin Aldehyde	3.7	U
76-44-8	Heptachlor	1.9	U
1024-57-3	Heptachlor Epoxide	1.9	U
72-43-5	Methoxychlor	19	U
8001-35-2	Toxaphene	93	U
53494-70-5	Endrin Ketone	3.7	U
5103-74-2	gamma-Chlordane	1.9	U
5103-71-9	alpha-Chlordane	1.9	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB43-3-4

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-20

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 7 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.8	U
319-85-7	beta-BHC	1.8	U
319-84-6	alpha-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
72-54-8	4,4'-DDD	3.5	U
72-55-9	4,4'-DDE	3.5	U
50-29-3	4,4'-DDT	0.58	J
60-57-1	Dieldrin	3.5	U
959-98-8	Endosulfan I	1.8	U
33213-65-9	Endosulfan II	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
72-20-8	Endrin	3.5	U
7421-93-4	Endrin Aldehyde	3.5	U
76-44-8	Heptachlor	1.8	U
1024-57-3	Heptachlor Epoxide	1.8	U
72-43-5	Methoxychlor	18	U
8001-35-2	Toxaphene	89	U
53494-70-5	Endrin Ketone	3.5	U
5103-74-2	gamma-Chlordane	1.8	U
5103-71-9	alpha-Chlordane	1.8	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB44-5-6

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-18

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	2.0	U
319-84-6	alpha-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
72-54-8	4,4'-DDD	3.9	U
72-55-9	4,4'-DDE	3.9	U
50-29-3	4,4'-DDT	0.99	J
60-57-1	Dieldrin	3.9	U
959-98-8	Endosulfan I	2.0	U
33213-65-9	Endosulfan II	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
72-20-8	Endrin	3.9	U
7421-93-4	Endrin Aldehyde	3.9	U
76-44-8	Heptachlor	2.0	U
1024-57-3	Heptachlor Epoxide	2.0	U
72-43-5	Methoxychlor	20	U
8001-35-2	Toxaphene	98	U
53494-70-5	Endrin Ketone	3.9	U
5103-74-2	gamma-Chlordane	2.0	U
5103-71-9	alpha-Chlordane	2.0	U

FORM I PEST

1D

EPA SAMPLE NO.

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

SB44-5-6MS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 0052510-MS1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	4.5	
319-85-7	beta-BHC	4.4	
319-84-6	alpha-BHC	4.9	
319-86-8	delta-BHC	5.4	
58-89-9	gamma-BHC (Lindane)	4.6	
72-54-8	4,4'-DDD	13	
72-55-9	4,4'-DDE	13	
50-29-3	4,4'-DDT	12	
60-57-1	Dieldrin	13	
959-98-8	Endosulfan I	4.9	
33213-65-9	Endosulfan II	13	
1031-07-8	Endosulfan sulfate	12	
72-20-8	Endrin	13	
7421-93-4	Endrin Aldehyde	5.9	
76-44-8	Heptachlor	5.4	
1024-57-3	Heptachlor Epoxide	5.6	
72-43-5	Methoxychlor	13	J
8001-35-2	Toxaphene	98	U
53494-70-5	Endrin Ketone	13	
5103-74-2	gamma-Chlordane	5.0	
5103-71-9	alpha-Chlordane	5.1	

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB44-5-6MSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 0052510-MSD1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	4.0	
319-85-7	beta-BHC	4.7	
319-84-6	alpha-BHC	4.7	
319-86-8	delta-BHC	5.3	
58-89-9	gamma-BHC (Lindane)	4.4	
72-54-8	4,4'-DDD	13	
72-55-9	4,4'-DDE	12	
50-29-3	4,4'-DDT	12	
60-57-1	Dieldrin	13	
959-98-8	Endosulfan I	4.5	
33213-65-9	Endosulfan II	12	
1031-07-8	Endosulfan sulfate	12	
72-20-8	Endrin	12	
7421-93-4	Endrin Aldehyde	5.4	
76-44-8	Heptachlor	5.1	
1024-57-3	Heptachlor Epoxide	5.3	
72-43-5	Methoxychlor	13	J
8001-35-2	Toxaphene	98	U
53494-70-5	Endrin Ketone	13	
5103-74-2	gamma-Chlordane	4.7	
5103-71-9	alpha-Chlordane	5.5	

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB50-1-2

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-14

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	2.0	U
319-84-6	alpha-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
72-54-8	4,4'-DDD	3.9	U
72-55-9	4,4'-DDE	3.9	U
50-29-3	4,4'-DDT	1.1	J
60-57-1	Dieldrin	3.9	U
959-98-8	Endosulfan I	2.0	U
33213-65-9	Endosulfan II	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
72-20-8	Endrin	3.9	U
7421-93-4	Endrin Aldehyde	3.9	U
76-44-8	Heptachlor	2.0	U
1024-57-3	Heptachlor Epoxide	2.0	U
72-43-5	Methoxychlor	20	U
8001-35-2	Toxaphene	99	U
53494-70-5	Endrin Ketone	3.9	U
5103-74-2	gamma-Chlordane	2.0	U
5103-71-9	alpha-Chlordane	2.0	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS02-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 05/14/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/20/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/02/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	2.0	U
319-84-6	alpha-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
72-54-8	4,4'-DDD	3.9	U
72-55-9	4,4'-DDE	3.9	U
50-29-3	4,4'-DDT	3.9	U
60-57-1	Dieldrin	3.9	U
959-98-8	Endosulfan I	2.0	U
33213-65-9	Endosulfan II	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
72-20-8	Endrin	3.9	U
7421-93-4	Endrin Aldehyde	3.9	U
76-44-8	Heptachlor	0.29	JP
1024-57-3	Heptachlor Epoxide	2.0	U
72-43-5	Methoxychlor	20	U
8001-35-2	Toxaphene	99	U
53494-70-5	Endrin Ketone	3.9	U
5103-74-2	gamma-Chlordane	2.0	U
5103-71-9	alpha-Chlordane	2.0	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS02D-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 12 decanted: (Y/N) N Date Received: 05/14/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/20/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/02/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.9	U
319-85-7	beta-BHC	1.9	U
319-84-6	alpha-BHC	1.9	U
319-86-8	delta-BHC	0.47	J
58-89-9	gamma-BHC (Lindane)	1.9	U
72-54-8	4,4'-DDD	3.8	U
72-55-9	4,4'-DDE	3.8	U
50-29-3	4,4'-DDT	3.8	U
60-57-1	Dieldrin	3.8	U
959-98-8	Endosulfan I	1.9	U
33213-65-9	Endosulfan II	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
72-20-8	Endrin	3.8	U
7421-93-4	Endrin Aldehyde	3.8	U
76-44-8	Heptachlor	0.34	JP
1024-57-3	Heptachlor Epoxide	1.9	U
72-43-5	Methoxychlor	19	U
8001-35-2	Toxaphene	94	U
53494-70-5	Endrin Ketone	3.8	U
5103-74-2	gamma-Chlordane	0.22	JP
5103-71-9	alpha-Chlordane	0.21	JP

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS12-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-15

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 8 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.8	U
319-85-7	beta-BHC	0.53	J
319-84-6	alpha-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
72-54-8	4,4'-DDD	3.6	U
72-55-9	4,4'-DDE	3.6	U
50-29-3	4,4'-DDT	5.9	
60-57-1	Dieldrin	3.6	U
959-98-8	Endosulfan I	1.8	U
33213-65-9	Endosulfan II	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
72-20-8	Endrin	3.6	U
7421-93-4	Endrin Aldehyde	0.81	J
76-44-8	Heptachlor	1.8	U
1024-57-3	Heptachlor Epoxide	1.8	U
72-43-5	Methoxychlor	18	U
8001-35-2	Toxaphene	90	U
53494-70-5	Endrin Ketone	3.6	U
5103-74-2	gamma-Chlordane	1.8	U
5103-71-9	alpha-Chlordane	1.8	U

FORM I PEST

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS31-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 22 decanted: (Y/N) Y Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.2	U
319-85-7	beta-BHC	2.2	U
319-84-6	alpha-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	0.62	JP
72-54-8	4,4'-DDD	0.59	JP
72-55-9	4,4'-DDE	4.2	U
50-29-3	4,4'-DDT	4.2	U
60-57-1	Dieldrin	4.2	U
959-98-8	Endosulfan I	2.2	U
33213-65-9	Endosulfan II	4.2	U
1031-07-8	Endosulfan sulfate	0.55	JP
72-20-8	Endrin	4.2	U
7421-93-4	Endrin Aldehyde	4.2	U
76-44-8	Heptachlor	2.2	U
1024-57-3	Heptachlor Epoxide	0.34	J
72-43-5	Methoxychlor	22	U
8001-35-2	Toxaphene	110	U
53494-70-5	Endrin Ketone	1.5	JP
5103-74-2	gamma-Chlordane	0.22	J
5103-71-9	alpha-Chlordane	0.24	J

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS32-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 3 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.8	U
319-85-7	beta-BHC	1.8	U
319-84-6	alpha-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
72-54-8	4,4'-DDD	0.39	J
72-55-9	4,4'-DDE	3.4	U
50-29-3	4,4'-DDT	3.4	U
60-57-1	Dieldrin	3.4	U
959-98-8	Endosulfan I	1.8	U
33213-65-9	Endosulfan II	3.4	U
1031-07-8	Endosulfan sulfate	0.60	JP
72-20-8	Endrin	3.4	U
7421-93-4	Endrin Aldehyde	3.4	U
76-44-8	Heptachlor	1.8	U
1024-57-3	Heptachlor Epoxide	1.8	U
72-43-5	Methoxychlor	18	U
8001-35-2	Toxaphene	86	U
53494-70-5	Endrin Ketone	0.91	J
5103-74-2	gamma-Chlordane	1.8	U
5103-71-9	alpha-Chlordane	0.34	J

FORM I PEST

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS32D-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 3 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.8	U
319-85-7	beta-BHC	1.8	U
319-84-6	alpha-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
72-54-8	4,4'-DDD	3.4	U
72-55-9	4,4'-DDE	3.4	U
50-29-3	4,4'-DDT	3.4	U
60-57-1	Dieldrin	3.4	U
959-98-8	Endosulfan I	1.8	U
33213-65-9	Endosulfan II	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
72-20-8	Endrin	1.4	JP
7421-93-4	Endrin Aldehyde	3.4	U
76-44-8	Heptachlor	1.8	U
1024-57-3	Heptachlor Epoxide	1.8	U
72-43-5	Methoxychlor	2.8	JP
8001-35-2	Toxaphene	86	U
53494-70-5	Endrin Ketone	2.8	J
5103-74-2	gamma-Chlordane	1.8	U
5103-71-9	alpha-Chlordane	1.8	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS33-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 22 decanted: (Y/N) Y Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.2	U
319-85-7	beta-BHC	0.87	J
319-84-6	alpha-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
72-54-8	4,4'-DDD	4.2	U
72-55-9	4,4'-DDE	0.52	J
50-29-3	4,4'-DDT	0.64	J
60-57-1	Dieldrin	4.2	U
959-98-8	Endosulfan I	0.63	J
33213-65-9	Endosulfan II	4.2	U
1031-07-8	Endosulfan sulfate	4.2	U
72-20-8	Endrin	4.2	U
7421-93-4	Endrin Aldehyde	4.2	U
76-44-8	Heptachlor	2.2	U
1024-57-3	Heptachlor Epoxide	2.2	U
72-43-5	Methoxychlor	22	U
8001-35-2	Toxaphene	110	U
53494-70-5	Endrin Ketone	4.2	U
5103-74-2	gamma-Chlordane	2.2	U
5103-71-9	alpha-Chlordane	2.2	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS43-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-19

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 3 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.8	U
319-85-7	beta-BHC	1.8	U
319-84-6	alpha-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
72-54-8	4,4'-DDD	3.4	U
72-55-9	4,4'-DDE	3.4	U
50-29-3	4,4'-DDT	3.4	U
60-57-1	Dieldrin	3.4	U
959-98-8	Endosulfan I	1.8	U
33213-65-9	Endosulfan II	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
72-20-8	Endrin	3.4	U
7421-93-4	Endrin Aldehyde	3.4	U
76-44-8	Heptachlor	1.8	U
1024-57-3	Heptachlor Epoxide	1.8	U
72-43-5	Methoxychlor	18	U
8001-35-2	Toxaphene	86	U
53494-70-5	Endrin Ketone	3.4	U
5103-74-2	gamma-Chlordane	1.8	U
5103-71-9	alpha-Chlordane	1.8	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS44-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-17

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 7 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.8	U
319-85-7	beta-BHC	2.3	P
319-84-6	alpha-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
72-54-8	4,4'-DDD	3.5	U
72-55-9	4,4'-DDE	3.5	U
50-29-3	4,4'-DDT	6.2	
60-57-1	Dieldrin	3.5	U
959-98-8	Endosulfan I	0.59	JP
33213-65-9	Endosulfan II	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
72-20-8	Endrin	3.5	U
7421-93-4	Endrin Aldehyde	0.58	J
76-44-8	Heptachlor	1.8	U
1024-57-3	Heptachlor Epoxide	1.8	U
72-43-5	Methoxychlor	18	U
8001-35-2	Toxaphene	89	U
53494-70-5	Endrin Ketone	0.50	JP
5103-74-2	gamma-Chlordane	1.8	U
5103-71-9	alpha-Chlordane	0.86	JP

C. Form II

Surrogate spike analysis

- By level (low, medium) -

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

GC Column(1): CLPEST ID: 0.32 (mm) GC Column(2): CLPEST2 ID: 0.32 (mm)

	EPA SAMPLE NO.	S1 1 %REC	#	S1 2 %REC	#	TCX 1 %REC	#	TCX 2 %REC	#	OTHER (1)	OTHER (2)	TOT OUT
01	PBLKBO	76		75		57	*	53	*			2
02	PBOLCS	80		79		88		81				0
03	PBOLCSD	78		76		88		80				0
04	SS02-0-1	72		64		67	*	59	*			2
05	SS02D-0-1	77		70		73		67	*			1
06	SB02-5-6	70		65		75		64	*			1
07	SB02D-5-6	110		100		93		83				0
08	SB05-7-8	66		64		57	*	52	*			2
09	PBLKCN	71		74		70		69	*			1
10	PCNLCS	70		72		75		75				0
11	SB44-5-6MS	73		76		72		68	*			1
12	SB44-5-6MSD	76		77		81		72				0
13	SS33-0-1	64		66		67	*	68	*			2
14	SB33-4-5	69		71		72		69	*			1
15	SB31-5-6	69		71		74		69	*			1
16	SS31-0-1	73		79		89		69	*			1
17	SS32-0-1	69		70		79		79				0
18	SS32D-0-1	73		74		71		94				0
19	SB32-2.5-3.5	64		66		64	*	61	*			2
20	SB32D-2.5-3.	69		71		65	*	62	*			2
21	SB50-1-2	70		72		63	*	62	*			2
22	SS12-0-1	97		100		98		100				0
23	SB12-2-3	73		74		75		69	*			1
24	SS44-0-1	72		67		64	*	67	*			2
25	SB44-5-6	60		61		54	*	51	*			2
26	SS43-0-1	49	*	52	*	53	*	58	*			4
27	SB43-3-4	60		59		62	*	60	*			2
28												
29												
30												

ADVISORY QC LIMITS

S1 = Decachlorobiphenyl (55-130)
S2 (TCX) = Tetrachloro-m-Xylene (70-125)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

D. Form III

Matrix Spike/Matrix Spike Duplicate results
- By level (low, medium) -
Laboratory Control Sample(s)

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix Spike - EPA Sample No.: SB44-5-6

COMPOUND	SPIKE ADDED (ug/Kg	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Aldrin	5.9	0.0	4.5	76	45-140
beta-BHC	5.9	0.0	4.4	74	60-125
alpha-BHC	5.9	0.0	4.9	83	60-125
delta-BHC	5.9	0.0	5.4	92	55-130
gamma-BHC (Lindane)	5.9	0.0	4.6	78	60-125
4,4'-DDD	15	0.0	13	87	30-135
4,4'-DDE	15	0.0	13	87	70-125
4,4'-DDT	15	0.99	12	73	45-140
Dieldrin	15	0.0	13	87	65-125
Endosulfan I	5.9	0.0	4.9	83	15-135
Endosulfan II	15	0.0	13	87	35-140
Endosulfan sulfate	15	0.0	12	80	60-135
Endrin	15	0.0	13	87	60-135
Endrin Aldehyde	15	0.0	5.9	39	35-145
Heptachlor	5.9	0.0	5.4	92	50-140
Heptachlor Epoxide	5.9	0.0	5.6	95	65-130
Methoxychlor	15	0.0	13	87	55-145
Endrin Ketone	15	0.0	13	87	65-135
gamma-Chlordane	5.9	0.0	5.0	85	65-125
alpha-Chlordane	5.9	0.0	5.1	86	65-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix Spike - EPA Sample No.: SB44-5-6

COMPOUND	SPIKE ADDED (ug/Kg	MSD CONCENTRATION (ug/Kg	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aldrin	5.9	4.0	68	12	40	45-140
beta-BHC	5.9	4.7	80	6	40	60-125
alpha-BHC	5.9	4.7	80	4	40	60-125
delta-BHC	5.9	5.3	90	2	40	55-130
gamma-BHC (Lindane)	5.9	4.4	74	4	40	60-125
4,4'-DDD	15	13	87	0	40	30-135
4,4'-DDE	15	12	80	8	40	70-125
4,4'-DDT	15	12	73	0	40	45-140
Dieldrin	15	13	87	0	40	65-125
Endosulfan I	5.9	4.5	76	8	40	15-135
Endosulfan II	15	12	80	8	40	35-140
Endosulfan sulfate	15	12	80	0	40	60-135
Endrin	15	12	80	8	40	60-135
Endrin Aldehyde	15	5.4	36	9	40	35-145
Heptachlor	5.9	5.1	86	6	40	50-140
Heptachlor Epoxide	5.9	5.3	90	6	40	65-130
Methoxychlor	15	13	87	0	40	55-145
Endrin Ketone	15	13	87	0	40	65-135
gamma-Chlordane	5.9	4.7	80	6	40	65-125
alpha-Chlordane	5.9	5.5	93	8	40	65-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits
Spike Recovery: 0 out of 40 outside limits

COMMENTS: _____

3F

SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

LCS ID: PBOLCS Matrix Spike - EPA Sample No.: PBOLCS

COMPOUND	SPIKE ADDED (ug/Kg	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Aldrin	5.0		3.8	76	45-140
beta-BHC	5.0		4.1	82	60-125
alpha-BHC	5.0		4.5	90	60-125
delta-BHC	5.0		4.8	96	55-130
gamma-BHC (Lindane)	5.0		4.2	84	60-125
4,4'-DDD	13		12	92	30-135
4,4'-DDE	13		11	85	70-125
4,4'-DDT	13		15	115	45-140
Dieldrin	13		12	92	65-125
Endosulfan I	5.0		4.3	86	15-135
Endosulfan II	13		11	85	35-140
Endosulfan sulfate	13		10	77	60-135
Endrin	13		11	85	60-135
Endrin Aldehyde	13		6.7	52	35-145
Heptachlor	5.0		4.9	98	50-140
Heptachlor Epoxide	5.0		5.0	100	65-130
Methoxychlor	13		12	92	55-145
Endrin Ketone	13		12	92	65-135
gamma-Chlordane	5.0		4.5	90	65-125
alpha-Chlordane	5.0		5.0	100	65-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

3F
SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

LCS ID: PBOLCS Matrix Spike - EPA Sample No.: PBOLCS

COMPOUND	SPIKE ADDED (ug/Kg	LCSD CONCENTRATION (ug/Kg	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aldrin	5.0	3.6	72	5	40	45-140
beta-BHC	5.0	4.1	82	0	40	60-125
alpha-BHC	5.0	4.4	88	2	40	60-125
delta-BHC	5.0	4.6	92	4	40	55-130
gamma-BHC (Lindane)	5.0	3.9	78	7	40	60-125
4,4'-DDD	13	11	85	9	40	30-135
4,4'-DDE	13	11	85	0	40	70-125
4,4'-DDT	13	10	77	40	40	45-140
Dieldrin	13	11	85	9	40	65-125
Endosulfan I	5.0	4.1	82	5	40	15-135
Endosulfan II	13	11	85	0	40	35-140
Endosulfan sulfate	13	10	77	0	40	60-135
Endrin	13	11	85	0	40	60-135
Endrin Aldehyde	13	6.0	46	11	40	35-145
Heptachlor	5.0	4.7	94	4	40	50-140
Heptachlor Epoxide	5.0	4.6	92	8	40	65-130
Methoxychlor	13	12	92	0	40	55-145
Endrin Ketone	13	11	85	9	40	65-135
gamma-Chlordane	5.0	4.3	86	4	40	65-125
alpha-Chlordane	5.0	4.8	96	4	40	65-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits
Spike Recovery: 0 out of 40 outside limits

COMMENTS: _____

3F
SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

LCS ID: PCNLCS

COMPOUND	SPIKE ADDED (ug/Kg	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Aldrin	5.0	3.8	76	45-140
beta-BHC	5.0	3.9	78	60-125
alpha-BHC	5.0	4.3	86	60-125
delta-BHC	5.0	4.4	88	55-130
gamma-BHC (Lindane)	5.0	4.0	80	60-125
4,4'-DDD	13	10	77	30-135
4,4'-DDE	13	10	77	70-125
4,4'-DDT	13	9.4	72	45-140
Dieldrin	13	11	85	65-125
Endosulfan I	5.0	4.0	80	15-135
Endosulfan II	13	10	77	35-140
Endosulfan sulfate	13	9.8	75	60-135
Endrin	13	10	77	60-135
Endrin Aldehyde	13	4.8	37	35-145
Heptachlor	5.0	4.7	94	50-140
Heptachlor Epoxide	5.0	4.6	92	65-130
Methoxychlor	13	11	85	55-145
Endrin Ketone	13	11	85	65-135
gamma-Chlordane	5.0	4.1	82	65-125
alpha-Chlordane	5.0	4.5	90	65-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS: _____

E. Form IV

Method Blank Results
Form IV, Form I

Method blank summary, OADS,
- In chronological order of analysis

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLKBO

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab Sample ID: 0051919-BLK1 Lab File ID: 016F0051919-BLK1

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SONC

Sulfur Cleanup (Y/N) N Date Extracted: 05/20/10

Date Analyzed (1): 06/01/10 Date Analyzed (2): 06/01/10

Time Analyzed (1): 2305 Time Analyzed (2): 2305

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column (1): CLPEST ID: 0.32(mm) GC Column (2): CLPEST2 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PBOLCS	0051919-BS1	06/01/10	06/01/10
02	PBOLCSD	0051919-BSD1	06/02/10	06/02/10
03	SS02-0-1	1005134-01	06/02/10	06/02/10
04	SS02D-0-1	1005134-02	06/02/10	06/02/10
05	SB02-5-6	1005134-03	06/02/10	06/02/10
06	SB02D-5-6	1005134-04	06/02/10	06/02/10
07	SB05-7-8	1005134-05	06/02/10	06/02/10
08				
09				
10				
11				
12				
13				
14				
15				
16				
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20				
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22				
23				
24				
25				
26				

COMMENTS: _____

FORM IV PEST

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKBO

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 0051919-BLK1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/20/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/01/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.7	U
319-85-7	beta-BHC	1.7	U
319-84-6	alpha-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
72-54-8	4,4'-DDD	3.3	U
72-55-9	4,4'-DDE	3.3	U
50-29-3	4,4'-DDT	3.3	U
60-57-1	Dieldrin	3.3	U
959-98-8	Endosulfan I	1.7	U
33213-65-9	Endosulfan II	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
72-20-8	Endrin	3.3	U
7421-93-4	Endrin Aldehyde	3.3	U
76-44-8	Heptachlor	1.7	U
1024-57-3	Heptachlor Epoxide	1.7	U
72-43-5	Methoxychlor	17	U
8001-35-2	Toxaphene	83	U
53494-70-5	Endrin Ketone	3.3	U
5103-74-2	gamma-Chlordane	1.7	U
5103-71-9	alpha-Chlordane	1.7	U

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLKCN

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab Sample ID: 0052510-BLK1 Lab File ID: 215J0052510-BLK1

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SONC

Sulfur Cleanup (Y/N) N Date Extracted: 05/25/10

Date Analyzed (1): 06/04/10 Date Analyzed (2): 06/04/10

Time Analyzed (1): 2335 Time Analyzed (2): 2335

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column (1): CLPEST ID: 0.32(mm) GC Column (2): CLPEST2 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PCNLCS	0052510-BS1	06/05/10	06/05/10
02	SB44-5-6MS	0052510-MS1	06/05/10	06/05/10
03	SB44-5-6MSD	0052510-MSD1	06/05/10	06/05/10
04	SS33-0-1	1005134-06	06/05/10	06/05/10
05	SB33-4-5	1005134-07	06/05/10	06/05/10
06	SB31-5-6	1005134-08	06/05/10	06/05/10
07	SS31-0-1	1005134-09	06/05/10	06/05/10
08	SS32-0-1	1005134-10	06/05/10	06/05/10
09	SS32D-0-1	1005134-11	06/05/10	06/05/10
10	SB32-2.5-3.5	1005134-12	06/05/10	06/05/10
11	SB32D-2.5-3.	1005134-13	06/05/10	06/05/10
12	SB50-1-2	1005134-14	06/05/10	06/05/10
13	SS12-0-1	1005134-15	06/05/10	06/05/10
14	SB12-2-3	1005134-16	06/05/10	06/05/10
15	SS44-0-1	1005134-17	06/05/10	06/05/10
16	SB44-5-6	1005134-18	06/05/10	06/05/10
17	SS43-0-1	1005134-19	06/05/10	06/05/10
18	SB43-3-4	1005134-20	06/05/10	06/05/10
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: _____

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKCN

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 0052510-BLK1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/04/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.7	U
319-85-7	beta-BHC	1.7	U
319-84-6	alpha-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
72-54-8	4,4'-DDD	3.3	U
72-55-9	4,4'-DDE	3.3	U
50-29-3	4,4'-DDT	3.3	U
60-57-1	Dieldrin	3.3	U
959-98-8	Endosulfan I	1.7	U
33213-65-9	Endosulfan II	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
72-20-8	Endrin	3.3	U
7421-93-4	Endrin Aldehyde	3.3	U
76-44-8	Heptachlor	1.7	U
1024-57-3	Heptachlor Epoxide	1.7	U
72-43-5	Methoxychlor	17	U
8001-35-2	Toxaphene	83	U
53494-70-5	Endrin Ketone	3.3	U
5103-74-2	gamma-Chlordane	1.7	U
5103-71-9	alpha-Chlordane	1.7	U

CompuChem, a Division of Liberty Analytical Corporation

I. SAMPLE DATA PACKAGE

GC by SW-846

The sample data package shall include data for all analyses of all samples in one Sample Delivery Group (SDG), including field samples, dilutions, reanalysis, blanks, matrix spikes, matrix spike duplicates, and laboratory control samples. The sample data package consists of the following:

A. SDG Narrative

B. Chain-of-Custody Documentation

C. SDG Data

LAB CODE: LIBRTY

METHOD: 8081B

SDG #: 1005134

A. SDG Narrative

CompuChem

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501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG # 1005134
PROTOCOL: SW-846

SAMPLE IDENTIFICATIONS: SB02-5-6, SB02D-5-6, SB05-7-8, SB12-2-3, SB31-5-6, SB32-2.5-3.5, SB32D-2.5-3.5, SB33-4-5, SB43-3-4, SB44-5-6, SB50-1-2, SS02-0-1, SS02D-0-1, SS12-0-1, SS31-0-1, SS32-0-1, SS32D-0-1, SS33-0-1, SS43-0-1, SS44-0-1

The twenty samples listed above were received intact, refrigerated between 1.7 and 4.3°C, with proper documentation, in sealed shipping containers, on May 14th, 19th, and 21st, 2010. The samples were scheduled for the requested analysis of the Pesticide fraction only. SW-846, 3rd Edition, Update 4, Method 8081B was used to prepare and analyze the samples, with the exceptions and/or additions requested by the client. All pertinent Quality Assurance notices are included in the narrative section and all pertinent Laboratory notices for SDG # 1005134 are included in the sample data sections.

Pesticide

Extraction and analysis holding time requirements were met for the samples. The samples in this SDG were further cleaned through GPC cleanup process.

Target analytes confirmed above the reporting limits in samples SS12-0-1 and SS44-0-1. No target analytes confirmed above the reporting limits in the remaining samples. Manual integrations performed on the samples within this SDG are documented on a spreadsheet after the narrative.

All QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All surrogate recoveries were with the method specified limits, with the exceptions of Tetrachloro-m-xylene on the clpest2 column in samples SS02-D-0-1, SB02-5-6, PBLKCN, SB44-5-6MS, SB33-4-5, SB31-5-6, SS31-0-1, SB12-2-3; on both columns in samples PBLKBO, SS02-0-1, SB05-7-8, SS33-0-1, SB32-2.5-3.5, SB32D-2.5-3.5, SB50-1-2, SS44-0-1, SB44-5-6, and SB43-3-4; and all of the surrogates in sample SS43-0-1. These recoveries did not meet DoD criteria; however, they meet the laboratory's in house statistical limits. Some of the samples were Re-GPCed with the same effect.

The method blank associated with the samples met all quality control criteria.

Duplicate matrix spike samples were performed with sample SB44-5-6, and met recovery and precision criteria. The Laboratory Control Samples (LCS/LCSD) prepared and analyzed with the samples met recovery and precision criteria.

An uncertainty of these test results may be estimated from the recovery of the surrogates added to the sample prior to sample preparation or from the recovery of spiked compound(s) in the associated laboratory control sample. Further information is available upon request.

I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on CD has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Teresa Amentt Jennings

Teresa Amentt Jennings
GC/HPLC Data Reviewer
June 11, 2010

Manual Integrations									
SDG:	1005134								
Sample(s)	SS33-0-1	SS31-0-1	SS44-0-1	SB44-5-6	SB43-3-4				
Compound									
alpha-BHC									
gamma-BHC									
beta-BHC	X		X						
delta-BHC									
Heptachlor	X								
Aldrin									
Heptachlor Epoxide	X								
gamma-Chlordane									
alpha-Chlordane		X							
Endosulfan I	X								
4,4'-DDE									
Dieldrin									
Endrin									
4,4'-DDD									
Endosulfan II									
4,4'-DDT			X		X				
Endrin Aldehyde			X						
Endosulfan sulfate									
Methoxychlor									
Endrin Ketone									
Toxaphene									
Technical Chordane									
Tetrachloro-m-xylene			X	X					
Decachlorbiphenyl									
"X" Denotes a manual integration for the compound									

GC and GC/MS Column and Trap Specifications Table

SDG #: 1005134

COLUMNS

Columns Utilized	Brand Name	Coating Material	ID (mm)	Film Thickness (um)	Length (m)
	GC Laboratory				
	Restek	RTX-5	0.53	1.0	30
	Restek	RTX-SMS	0.53	1.0	30
✓	Restek	clpest	0.32	0.5	30
✓	Restek	clpest2	0.32	0.42	30
	J&W	DB-210	0.53	1.0	30
	J&W	GS-GASPRO	0.32	N/A	30
	GC Volatiles Laboratory				
	Restek	RTX-Volatiles	0.53	2.0	30
	GC/MS Volatiles Laboratory				
	Restek	RTX-VMS	0.18	1.0	20
	Supelco	SPB-624	0.32	1.8	60
	Supelco	SPB-624	0.53	3.0	75
	Phenomonex	ZB-624	0.32	1.8	60
	GC/MS Semivolatiles Laboratory				
	Restek	RTX-5MS	0.32	0.25	30
	HPLC Laboratory				
	Supelco	Supelcosil LC-PAH	4.6	5.0	15 cm
	Supelco	Discovery RP Amide C16	4.6	5.0	25 cm
	Restek	Pinnacle Cyano	4.6	5.0	25 cm
	Restek	Allure C18	4.6	5.0	25 cm

TRAPS

GC and GC/MS Volatiles Laboratory		
Supelco J (BETXTRAP™)	* 7.7 cm Carbopack C	
	* 1.2 cm Carbopack B	
Supelco K (Vocarb3000)	* 10 cm of Carbopack B (Graphitized Carbons)	
	* 6 cm of Carboxen 1000 (Carbon molecular sieves)	
	* 1 cm of Carboxen 1001 (Carbon molecular sieves)	

Rev. 28

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CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.).

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Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC chemists. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC analysis. The manual editing/integration flags are:

M - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak.

H - Denotes that the data reviewer, GC/MS operator, or GC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

MH - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.

L - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

The EPA CLP SOW documents require additional explanations for manual editing/integration. In the accompanying raw data packages, additional codes have been applied to the "M" flag and carry the following meanings;

M1 - The compound was not found by the automatic integration routine.

M2 - The compound was incorrectly integrated by the automatic integration routine.

M3 - The co-eluting compounds were incorrectly integrated by the automatic integration routine.

These codes will appear in the GC/MS and GC raw data.

Revision 7 (12/6/2005)

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DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each compound. The qualifiers used are:

U : This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J : This flag indicates an estimated value. The flag is used as detailed below:

1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1:1 is assumed for the TIC analyte,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide and/or Aroclor or other GC or HPLC identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.

N : This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search and must be used with the J flag. For generic characterization of a TIC such as "chlorinated hydrocarbon" (or for an "unknown," with no matches ≥ 85% in the SOM01.2 SOW document), the N flag is not used.

P : In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the Form I and flagged with a P.
For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the lower of the two values is reported and flagged with a P. When the RPD is equal to or less than 40%, our policy is to also report the lower of the two values, although the choice could be a project specific issue. These SW-846 policies are consistent with Method 8000C. If Method 8000B is required, the higher of the two values is reported. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

DATA REPORTING QUALIFIERS (continued)

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis. If one or more compounds have a concentration greater than the upper level of the calibration range, the sample or extract will be diluted and reanalyzed. All such compounds with a concentration greater than the upper level of the calibration range will have the result flagged with an E on Form I for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration of an analyte exceeds the upper calibration range, the DL suffix is appended to the sample number on the Form I for the more diluted sample, and **all** reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.

NOTE 1: The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.

NOTE 2: Separate Forms I are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses <u>are not combined</u> on a single Form I.

A: This flag indicates that a TIC is a suspected aldol-condensation product.

S: In the SOM01.2 SOW document, this flag is used to indicate an estimated value for Aroclor target compounds where a valid 5-point initial calibration was not performed prior to the analytes detection in a sample. If an "S" flag is used for a specific Aroclor, then a reanalysis of the sample is required after a valid 5-point calibration is performed for the detected Aroclor.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y, and Z.

B. Chains-of-Custody

The laboratory shall include a copy of the Chain-of-Custody (CoC) documentation for all of the samples in the SDG. The CoC documents shall be arranged in increasing Client Sample ID number order, considering both letters and numbers.

24777

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CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page ____ of ____

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: VA Beach State: VA Zip: 23462
Project Contact: Rebekha Shaw
Phone #: 757-671-6279
Sampler's Name: KRogers / RDM

Project Information

Project Name: GTO-94
Sampling Location: MCB Camp Lejeune
Turnaround time
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y (or N)? If yes, which ID(s)?

Analysis and Method Requested

Matrix
GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

Lab Use Only	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Total Metals (6010B) 200.7	Total Chromium (6010B)	SIM PAHs (8270C) 8270	TCL Pest (8081A)	Grain Size (ASTM D422) 8600	Chromium VI (7196A)		Grain Size	
1005132-01	BBG-SS73-0-1-10B	5-14-10	0825	SO	3							X		X	X	X	X		1005209-14	
—	BBG-SS73-0-1-10B-MS	5-14-10	0825	SO	3							X		X	X	X	X		—	
↓	BBG-SS73-0-1-10B-SD	5-14-10	0825	SO	3							X		X	X	X	X		—	
1005132-13	BBG-SS84-0-1-10B	5-14-10	0855	SO	3							X		X	X	X	X		1005209-15	
↓ -14	BBG-SB84-6-7-10B	5-14-10	0905	SO	3							X		X	X	X	X		↓ -16	
1005134-01	BBG-SS02-0-1-10B	5-14-10	0930	SO	3								X	X	X	X	X		↓ -17	
-02	BBG-SS02D-0-1-10B	5-14-10	0935	SO	3								X	X	X	(X)	X		—	
-03	BBG-SB02-5-6-10B	5-14-10	0940	SO	3								X	X	X	X	X		1005209-18	
↓ -04	BBG-SB02D-5-6-10B	5-14-10	0945	SO	3								X	X	X	(X)	X		—	

Lab Use Only

Sample Unpacked By: JenniferRogers
Sample Order Entry By: Jeff Dorey
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

*did not rec'd Grainsize for BBG-SS02D-01-10B or BBG-SB02D-5-6-10B not needed on "dups" (FD) 5/14/10 or MS/MSD // Jeff Dorey 5/14/10

Relinquished by: K Rogers	Date/Time: 5-14-10 1600	Received by: Diane Durst	Date/Time: 5-14-10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:
Subcontact? (Y) or N If yes, where? Grain size to CT LABS	Custody Seal(s) intact? (Y) or N	On Ice? (Y) or N	Cooler Temp: 1.7 °C

Samples stored 60 days after date report mailed at no extra charge.

JD 5/14/10 Client delivered

White & Yellow copy to lab • Pink copy for customer

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Page ____ of ____

Courier
Airbill No.
Sampling Complete? Y or N

Client/Report to Information

Company Name: CH2M HILL
Address: 5700 Cleveland St. 101
City: VA Beach State: VA Zip: 23462
Project Contact: Rebekha Shaw
Phone #: 757-671-6279
Sampler's Name: K Rogers / RDM

Project Information

Project Name: CTO-94
Sampling Location: MCB Camp Lejeune
Turnaround time:
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Requested Analysis and Method

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

Comp/Grab	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Total Metals (6010B) 20	Total Chromium (6010B)	Chromium VI (7196A)	SIM PAH's (8270C) 28	TCL Pest (8081A) 28	Grain Size (ASTM D422) 8		Grain Size		
1005132-07	BBG-SS83-0-1-10B	5-13-10	1555	SO	3							X		X	X	X	X		1005210-06		
-08	BBG-SB83-6.5-7.5-10B	5-13-10	1605	SO	3							X		X	X	X	X			-07	
-09	BBG-SS62-0-1-10B	5-13-10	1640	SO	3							X		X	X	X	X			-08	
1005130-20	BBG-SB05-0-1-10B	5-14-10	0800	SO	3							X	X	X	X	X	X			-09	
1005134-05	BBG-SB05-7-8-10B	5-14-10	0810	SO	3								X	X	X	X	X			-10	

Lab Use Only

Sample Unpacked By: Jennifer Davis
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Sample Custody

Relinquished by:	Date/Time: 5-14-10 1600	Received by: Diana Byrd	Date/Time: 5/14/10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontract? Y or N If yes, where? Grain size to CTLABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 3.6 °C

Samples stored 60 days after date report mailed at no extra charge.

client delivered

White & Yellow copy to lab • Pink copy for customer

24785

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CHAIN OF CUSTODY

Page 1 of 2

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Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: VA BEACH State: VA Zip: 23462
Project Contact: REBEKAH SHAW
Phone #: 757-671-6279
Sampler's Name: K ROGERS/RON

Project Information

Project Name: CTO-94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or N
Are high concentrations expected? Y or N If yes, which ID(s)?

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

Lab Sample ID	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Tot Metals 6010B (Share 2oz)	Tot Chromium 6010B (Share 2oz)	Chrom. VI 7196A	SIM PAH 8270 C (Share 80z)	TCL PEST. 8081A	Grain Size ASTM D422 (1-80z.)		Lab Sample ID
1005134-06	BBG-SS33-0-1-10B	5.17	1150	SO	3								X	X	X	X	X		1005211-08
-07	BBG-SB33-5-10B	5.17	1200	SO	3								X	X	X	X	X		-09
-08	BBG-SB31-5-6-10B	5.17	1240	SO	3								X	X	X	X	X		-10
-09	BBG-SS31-0-1-10B	5.17	1225	SO	3								X	X	X	X	X		-11
1005138-01	BBG-SB73-9-10-10B	5.17	1500	80	3							X		X	X	X	X	✓	-12
-01	BBG-SB73-9-10-10B-MS	5.17	1500	SO	2							X		X	X	X			
✓ -01	BBG-SB73-9-10-10B-SD	5.17	1500	SO	2							X		X	X	X			
1005134-10	BBG-SS32-0-1-10B	5.18	1100	SO	3								X	X	X	X	X		1005211-13
-11	BBG-SS32D-0-1-10B	5-18	1105	SO	3								X	X	X	X	X (2nd)		
-12	BBG-SB32-2.5-3.5-10B	5.18	1110	SO	3								X	X	X	X	X		1005211-14

Lab Use Only

Sample Unpacked By: K Manning
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Sample Custody (GM Shake)

Relinquished by:	Date/Time: 5.18.10 1420	Received by: K Manning	Date/Time: 5.19.10 0905
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? Y or N If yes, where? Grain size to CT Labs
Custody Seal(s) intact? Y or N
On Ice? Y or N
Cooler Temp: 4.3 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

SW0010

24781

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CHAIN OF CUSTODY

Page 2 of 2

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Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: VA Beach State: VA Zip: 23462
Project Contact: Rebekka Shaw
Phone #: 757-671-6279
Sampler's Name: K. Rogers

Project Information

Project Name: GTO-94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Requested Analysis (Indicate Method and Number)

Tot Metals 6010B (Share 2oz.)	Tot Chromium 6010B	Chromium VI 7196A	8270C (Share 8oz.) SIM PAH	TCL PEST. 8081A	GRAIN SIZE ASTM D422					
	X	X	X	X						

Matrix

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

Comp Chem ID (Lab Use Only)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Sample Comments
1005134-13	BBG-SB32D-2.5-3.5-10B	5.18	1115	SO	2							

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments:

Relinquished by:	Date/Time: 5.18.10 1420	Received by: K. Manning	Date/Time: 5.19.10 0905
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? (Y) or N If yes, where? Grain size to CT LABS 5/19/10

Custody Seal(s) intact? (Y) or N | On Ice? (Y) or N | Cooler Temp: 4.3 °C

Samples stored 60 days after date report mailed at no extra charge.

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SN0010

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CHAIN OF CUSTODY

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Page ____ of ____

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: Ch2M Hill
Address: 5700 Cleveland St, 101
City: Va Beach State: VA Zip: 23462
Project Contact: Rebekha Shaw
Phone #: 757-671-6279
Sampler's Name: K. Rogers

Project Information

Project Name: CTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N)? If yes, which ID(s)?

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

Comp Chem Sample ID (Lab Use Only)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B (Shake 1-2oz.)	Tot Cr 6010B	Cr VI 7196A	SIM PAH 8270C (Shake 1-8oz.)	TCL PEST 8081A	Grain Size ASTM D422 (1-8oz.)	Grain Size	Lab Use Only
1005132-15	BBG-SS81-0-1-10B	5.18	1600	SO	3							X		X	X	X	X	1005212-01	
-16	BBG-SS81-5-6-10B	5.18	1620	SO	3							X		X	X	X	X	-02	
1005133-11	BBG-SS67-0-1-10B	5.18	1700	SO	3							X		X	X	X	X	-03	
1005134-14	BBG-SB50-1-2-10B	5.18	1750	SO	3								X	X	X	X	X	-04	
1005132-17	BBG-SS71-0-1-10B	5.19	0735	SO	3							X		X	X	X	X	-05	
-18	BBG-SS71D-0-1-10B	5.19	0740	SO	3							X		X	X	X			
-19	BBG-SB71-4-5-10B	5.19	0755	SO	3							X		X	X	X	X	1005212-06	
-20	BBG-SB71D-4-5-10B	5.19	0800	SO	2							X		X	X	X			
1005133-12	BBG-SS72-0-1-10B	5.19	0835	SO	3							X		X	X	X	X	1005212-07	
-13	BBG-SB72-2-3-10B	5.19	0845	SO	3							X		X	X	X	X	-08	

Sample Unpacked By: K. Manning
Sample Order Entry By: [illegible]
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (N/A)
625 & Phenol samples checked for chlorine? Y or (N/A)
608 samples checked for pH between 5.0-9.0? Y or (N/A)

Comments:

Relinquished by:	Date/Time:	Received by:	Date/Time:
[illegible]	5.21.10 1600	K. Manning	5.21.10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontract? (Y) or N If yes, where? Grain size to CTLABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 4.3 °C

Samples stored 60 days after date report mailed at no extra charge.

Client Delivery - KM 5.21.10

White & Yellow copy to lab • Pink copy for customer

SN0015

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CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page ____ of ____

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: VA BEACH State: VA Zip: 23462
Project Contact: Rebekkha Shaw
Phone #: 757-671-6279
Sampler's Name: K. ROGERS

Project Information

Project Name: CTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER Contract
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Requested Analysis (include method and holding time)

Matrix
GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

Customer Sample ID	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Preserved: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B (share 1-20Z)	Tot Cr 6010B	Cr VI 7196A (share 1-80Z) KM 5.21.10	PAH 8270C	TCL PEST 8081A	Grain Size ASTM D422 (1-80Z.)		Grain Size		
1005133-14	BBG-SS88-0-1-10B	5.19	0910	SO	3							X		X	X	X	X		1005210-09		
-15	BBG-SB88-2.5-3.5-10B	5.19	0925	SO	3							X		X	X	X	X				-10
-16	BBG-SS76-0-1-10B	5.19	0955	SO	3							X		X	X	X	X				-11
-17	BBG-SB76-6-7-10B	5.19	1045	SO	3							X		X	X	X	X				-12
-18	BBG-SS87-0-1-10B	5.19	1145	SO	3							X		X	X	X	X				-13
-19	BBG-SB87-3-4-10B	5.19	1155	SO	3							X		X	X	X	X				-14
1005134-15	BBG-SS12-0-1-10B	5.19	1245	SO	3								X	X	X	X	X				-15
-16	BBG-SB12-2-3-10B	5.19	1255	SO	3								X	X	X	X	X				-16
1005157-02	BBG-SS51-0-1-10B	5.19	1630	SO	3							X		X	X	X	X		✓		-17
-03	BBG-SS51D-0-1-10B	5.19	1635	SO	2							X		X	X	X					—

Sample Unpacked By: K. Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Relinquished by:	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5.21.10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontract? (Y) or N If yes, where? Grain size to CT LABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 3.9 °C

KM 5.21.10 - Client Delivery

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

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CHAIN OF CUSTODY

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Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page ____ of ____

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: Va Beach State: VA Zip: 23462
Project Contact: REBEKAH SHAW
Phone #: 757-671-6279
Sampler's Name: K. ROGERS

Project Information

Project Name: CTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

Lab ID (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B (Shaw 1-2062)	Tot Cr 6010B	Cr VI 7196A	SIM PAH 8270C (Shaw 1-2062)	TCL Pest 8081A	Grain Size ASTM D422 (1-2062)		Grain size						
1005157-04	BBG-SS90-0-1-10B	5.19	1455	SO	3							X		X	X	X	X		1005212-18						
-05	BBG-SB90-2-3-10B	5.19	1500	SO	3							X		X	X	X	X		✓		-19				
1005134-17	BBG-SS44-0-1-10B	5.20	0810	SO	3								X	X	X	X	X		✓		-20				
1005134-18	BBG-SB44-5-6-10B	5.20	0825	SO	3								X	X	X	X	X		1005213-01						
	BBG-SB44-5-6-10B-MS	5.20	0825	SO	2								X	X	X	X			—						
✓	BBG-SB44-5-6-10B-SD	5.20	0825	SO	2								X	X	X	X			—						
1005133-20	BBG-SS68-0-1-10B	5.20	0930 0930	SO	3							X		X	X	X	X		1005213-02						
1005134-19	BBG-SS43-0-1-10B	5.20	1035	SO	3								X	X	X	X	X		✓		-03				
✓ -20	BBG-SB43-3-4-10B	5.20	1045	SO	3								X	X	X	X	X		✓		-04				

Sample Condition (Lab Use Only) — **Comments**

Sample Unpacked By: K. Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (N/A)
625 & Phenol samples checked for chlorine? Y or (N/A)
608 samples checked for pH between 5.0-9.0? Y or (N/A)

Relinquished by:	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5.21.10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? (Y) or N If yes, where? Grain size to CT LABS — Client Delivery - KM 5/21/10
Custody Seal(s) intact? Y or (N) — On Ice? (Y) or N — Cooler Temp: 3.1 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

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Sample ID Cross Reference

LAB WO	Project	Sample #	Field ID	Sample Date	Receive Date	DueDate	Chain of Custody ID
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-01	SS02-0-1	05/14/2010	05/14/2010	06/03/2010	BBG-SS02-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-01	SS02-0-1	05/14/2010	05/14/2010	06/10/2010	BBG-SS02-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-02	SS02D-0-1	05/14/2010	05/14/2010	06/03/2010	BBG-SS02D-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-02	SS02D-0-1	05/14/2010	05/14/2010	06/10/2010	BBG-SS02D-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-03	SB02-5-6	05/14/2010	05/14/2010	06/03/2010	BBG-SB02-5-6-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-03	SB02-5-6	05/14/2010	05/14/2010	06/10/2010	BBG-SB02-5-6-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-04	SB02D-5-6	05/14/2010	05/14/2010	06/03/2010	BBG-SB02D-5-6-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-04	SB02D-5-6	05/14/2010	05/14/2010	06/10/2010	BBG-SB02D-5-6-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-05	SB05-7-8	05/14/2010	05/14/2010	06/03/2010	BBG-SB05-7-8-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-05	SB05-7-8	05/14/2010	05/14/2010	06/10/2010	BBG-SB05-7-8-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-06	SS33-0-1	05/17/2010	05/19/2010	06/03/2010	BBG-SS33-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-06	SS33-0-1	05/17/2010	05/19/2010	06/10/2010	BBG-SS33-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-07	SB33-4-5	05/17/2010	05/19/2010	06/03/2010	BBG-SB33-4-5-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-07	SB33-4-5	05/17/2010	05/19/2010	06/10/2010	BBG-SB33-4-5-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-08	SB31-5-6	05/17/2010	05/19/2010	06/03/2010	BBG-SB31-5-6-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-08	SB31-5-6	05/17/2010	05/19/2010	06/10/2010	BBG-SB31-5-6-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-09	SS31-0-1	05/17/2010	05/19/2010	06/03/2010	BBG-SS31-0-1-10B

LAB WO	Project	Sample #	Field ID	Sample Date	Receive Date	DueDate	Chain of Custody ID
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-09	SS31-0-1	05/17/2010	05/19/2010	06/10/2010	BBG-SS31-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-10	SS32-0-1	05/18/2010	05/19/2010	06/03/2010	BBG-SS32-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-10	SS32-0-1	05/18/2010	05/19/2010	06/10/2010	BBG-SS32-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-11	SS32D-0-1	05/18/2010	05/19/2010	06/03/2010	BBG-SS32D-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-11	SS32D-0-1	05/18/2010	05/19/2010	06/10/2010	BBG-SS32D-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-12	SB32-2.5-3.5	05/18/2010	05/19/2010	06/03/2010	BBG-SB32-2.5-3.5-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-12	SB32-2.5-3.5	05/18/2010	05/19/2010	06/10/2010	BBG-SB32-2.5-3.5-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-13	SB32D-2.5-3.5	05/18/2010	05/19/2010	06/03/2010	BBG-SB32D-2.5-3.5-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-13	SB32D-2.5-3.5	05/18/2010	05/19/2010	06/10/2010	BBG-SB32D-2.5-3.5-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-14	SB50-1-2	05/18/2010	05/21/2010	06/03/2010	BBG-SB50-1-2-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-14	SB50-1-2	05/18/2010	05/21/2010	06/10/2010	BBG-SB50-1-2-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-15	SS12-0-1	05/19/2010	05/21/2010	06/03/2010	BBG-SS12-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-15	SS12-0-1	05/19/2010	05/21/2010	06/10/2010	BBG-SS12-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-16	SB12-2-3	05/19/2010	05/21/2010	06/03/2010	BBG-SB12-2-3-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-16	SB12-2-3	05/19/2010	05/21/2010	06/10/2010	BBG-SB12-2-3-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-17	SS44-0-1	05/20/2010	05/21/2010	06/03/2010	BBG-SS44-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-17	SS44-0-1	05/20/2010	05/21/2010	06/10/2010	BBG-SS44-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-18	SB44-5-6	05/20/2010	05/21/2010	06/03/2010	BBG-SB44-5-6-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-18	SB44-5-6	05/20/2010	05/21/2010	06/10/2010	BBG-SB44-5-6-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-19	SS43-0-1	05/20/2010	05/21/2010	06/03/2010	BBG-SS43-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-19	SS43-0-1	05/20/2010	05/21/2010	06/10/2010	BBG-SS43-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-20	SB43-3-4	05/20/2010	05/21/2010	06/03/2010	BBG-SB43-3-4-10B

LAB WO	Project	Sample #	Field ID	Sample Date	Receive Date	DueDate	Chain of Custody ID
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-20	SB43-3-4	05/20/2010	05/21/2010	06/10/2010	BBG-SB43-3-4-10B

WORK ORDER

Printed: 5/28/2010 6:52:43PM

1005134

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005134** **CASE:**	**Status:**	**Prepared**

Report To:
CH2M HILL, INC.
REBEKHA SHAW
5700 CLEVELAND STREET, SUITE 101
VIRGINIA BEACH, VA 23462
Phone: 757-671-8311
Fax: -

Invoice To:
CH2M HILL, INC.
ACCOUNTS PAYABLE
P.O. BOX 241329
DENVER, CO 80224
Phone :757-671-8311
Fax: -

Date Due: 06/10/2010 00:00 (20 day TAT)

Received By: Cathy Dover — Date Received: 05/21/2010 16:00

Logged In By: Cathy Dover — Date Logged In: 05/16/2010 22:48

J & B Flags?: **YES**	TICS?:**NO**	Deliverable: **Style 9 PQL/MDL Forms**	EDD : **30) CH2 SNEDD**
Metals ND to? **RL/CRQL**	Spike Level: **FULL Spike**		

DOD CRITERIA*USE 1005134-18 FOR QC*SIM 8270C=PAH.SUB*PEST 8081A* METALS=TOTAL Cr ONLY*HEXAVALENT Cr 7196A + Cr+3 REPORTED ON FORMS & EDD

Analysis	Due	TAT	Expires	Received	Comments
1005134-01 SS02-0-1 [Soil] Sampled 05/14/2010 09:30 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/10/2010 09:30	05/14/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/10/2010 09:30	05/14/2010 16:00	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/10/2010 09:30	05/14/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/28/2010 09:30	05/14/2010 16:00	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/10/2010 09:30	05/14/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	05/28/2010 09:30	05/14/2010 16:00	SubList = GC- 8081 DOD
1005134-02 SS02D-0-1 [Soil] Sampled 05/14/2010 09:35 Eastern					
6010B METALS	06/10/2010 16:00	20	11/10/2010 09:35	05/14/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/28/2010 09:35	05/14/2010 16:00	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/10/2010 09:35	05/14/2010 16:00	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/10/2010 09:35	05/14/2010 16:00	
Solids, Dry Weight	06/03/2010 16:00	13	11/10/2010 09:35	05/14/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	05/28/2010 09:35	05/14/2010 16:00	SubList = GC- 8081 DOD

1005134

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005134** **CASE:**	**Status:**	**Received**

Analysis	Due	TAT	Expires	Comments	
1005134-03 SB02-5-6 [Soil] Sampled 05/14/2010 09:40 Eastern					
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/10/2010 09:40	05/14/2010 16:00	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/10/2010 09:40	05/14/2010 16:00	
Solids, Dry Weight	06/03/2010 16:00	13	11/10/2010 09:40	05/14/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/10/2010 09:40	05/14/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/28/2010 09:40	05/14/2010 16:00	SubList = SVsim- PAH
GC-8081A/PEST	06/10/2010 16:00	20	05/28/2010 09:40	05/14/2010 16:00	SubList = GC- 8081 DOD
1005134-04 SB02D-5-6 [Soil] Sampled 05/14/2010 09:45 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/10/2010 09:45	05/14/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/10/2010 09:45	05/14/2010 16:00	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/10/2010 09:45	05/14/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	05/28/2010 09:45	05/14/2010 16:00	SubList = GC- 8081 DOD
Solids, Dry Weight	06/03/2010 16:00	13	11/10/2010 09:45	05/14/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/28/2010 09:45	05/14/2010 16:00	SubList = SVsim- PAH
1005134-05 SB05-7-8 [Soil] Sampled 05/14/2010 08:10 Eastern					
GC-8081A/PEST	06/10/2010 16:00	20	05/28/2010 08:10	05/14/2010 16:00	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/28/2010 08:10	05/14/2010 16:00	SubList = SVsim- PAH
Solids, Dry Weight	06/03/2010 16:00	13	11/10/2010 08:10	05/14/2010 16:00	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/10/2010 08:10	05/14/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/10/2010 08:10	05/14/2010 16:00	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/10/2010 08:10	05/14/2010 16:00	
1005134-06 SS33-0-1 [Soil] Sampled 05/17/2010 11:50 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/13/2010 11:50	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/31/2010 11:50	05/19/2010 09:05	SubList = SVsim- PAH
GC-8081A/PEST	06/10/2010 16:00	20	05/31/2010 11:50	05/19/2010 09:05	SubList = GC- 8081 DOD
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/13/2010 11:50	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/13/2010 11:50	05/19/2010 09:05	
6010B METALS	06/10/2010 16:00	20	11/13/2010 11:50	05/19/2010 09:05	

1005134

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005134** **CASE:**	**Status:**	**Received**

Analysis	Due	TAT	Expires		Comments
1005134-07 SB33-4-5 [Soil] Sampled 05/17/2010 12:00 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/13/2010 12:00	05/19/2010 09:05	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/13/2010 12:00	05/19/2010 09:05	
6010B METALS	06/10/2010 16:00	20	11/13/2010 12:00	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	05/31/2010 12:00	05/19/2010 09:05	SubList = GC- 8081 DOD
Solids, Dry Weight	06/03/2010 16:00	13	11/13/2010 12:00	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/31/2010 12:00	05/19/2010 09:05	SubList = SVsim- PAH
1005134-08 SB31-5-6 [Soil] Sampled 05/17/2010 12:40 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/13/2010 12:40	05/19/2010 09:05	
6010B METALS	06/10/2010 16:00	20	11/13/2010 12:40	05/19/2010 09:05	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/13/2010 12:40	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/31/2010 12:40	05/19/2010 09:05	SubList = SVsim- PAH
Solids, Dry Weight	06/03/2010 16:00	13	11/13/2010 12:40	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	05/31/2010 12:40	05/19/2010 09:05	SubList = GC- 8081 DOD
1005134-09 SS31-0-1 [Soil] Sampled 05/17/2010 12:25 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/13/2010 12:25	05/19/2010 09:05	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/13/2010 12:25	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/13/2010 12:25	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	05/31/2010 12:25	05/19/2010 09:05	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/31/2010 12:25	05/19/2010 09:05	SubList = SVsim- PAH
6010B METALS	06/10/2010 16:00	20	11/13/2010 12:25	05/19/2010 09:05	
1005134-10 SS32-0-1 [Soil] Sampled 05/18/2010 11:00 Eastern					
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 11:00	05/19/2010 09:05	SubList = SVsim- PAH
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 11:00	05/19/2010 09:05	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/14/2010 11:00	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 11:00	05/19/2010 09:05	SubList = GC- 8081 DOD
6010B METALS	06/10/2010 16:00	20	11/14/2010 11:00	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 11:00	05/19/2010 09:05	

1005134

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005134** **CASE:**	**Status:**	**Prepared**

Analysis	Due	TAT	Expires		Comments
1005134-11 SS32D-0-1 [Soil] Sampled 05/18/2010 11:05 Eastern					
6010B METALS	06/10/2010 16:00	20	11/14/2010 11:05	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 11:05	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 11:05	05/19/2010 09:05	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/14/2010 11:05	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 11:05	05/19/2010 09:05	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 11:05	05/19/2010 09:05	SubList = SVsim- PAH
1005134-12 SB32-2.5-3.5 [Soil] Sampled 05/18/2010 11:10 Eastern					
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 11:10	05/19/2010 09:05	SubList = SVsim- PAH
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 11:10	05/19/2010 09:05	SubList = GC- 8081 DOD
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/14/2010 11:10	05/19/2010 09:05	
6010B METALS	06/10/2010 16:00	20	11/14/2010 11:10	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 11:10	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 11:10	05/19/2010 09:05	
1005134-13 SB32D-2.5-3.5 [Soil] Sampled 05/18/2010 11:15 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 11:15	05/19/2010 09:05	
6010B METALS	06/10/2010 16:00	20	11/14/2010 11:15	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 11:15	05/19/2010 09:05	SubList = SVsim- PAH
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 11:15	05/19/2010 09:05	SubList = GC- 8081 DOD
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 11:15	05/19/2010 09:05	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/14/2010 11:15	05/19/2010 09:05	
1005134-14 SB50-1-2 [Soil] Sampled 05/18/2010 17:50 Eastern					
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/14/2010 17:50	05/21/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 17:50	05/21/2010 16:00	SubList = SVsim- PAH
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 17:50	05/21/2010 16:00	SubList = GC- 8081 DOD
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 17:50	05/21/2010 16:00	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 17:50	05/21/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/14/2010 17:50	05/21/2010 16:00	

1005134

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005134** **CASE:**	**Status:**	**Prepared**

Analysis	Due	TAT	Expires		Comments
1005134-15 SS12-0-1 [Soil] Sampled 05/19/2010 12:45 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 12:45	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 12:45	05/21/2010 16:00	SubList = GC- 8081 DOD
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/15/2010 12:45	05/21/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/15/2010 12:45	05/21/2010 16:00	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 12:45	05/21/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 12:45	05/21/2010 16:00	SubList = SVsim- PAH
1005134-16 SB12-2-3 [Soil] Sampled 05/19/2010 12:55 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 12:55	05/21/2010 16:00	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/15/2010 12:55	05/21/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/15/2010 12:55	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 12:55	05/21/2010 16:00	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 12:55	05/21/2010 16:00	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 12:55	05/21/2010 16:00	
1005134-17 SS44-0-1 [Soil] Sampled 05/20/2010 08:10 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 08:10	05/21/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/16/2010 08:10	05/21/2010 16:00	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/16/2010 08:10	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 08:10	05/21/2010 16:00	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 08:10	05/21/2010 16:00	SubList = SVsim- PAH
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 08:10	05/21/2010 16:00	
1005134-18 SB44-5-6 [Soil] Sampled 05/20/2010 08:25 Eastern				**USE FOR QC**	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/16/2010 08:25	05/21/2010 16:00	
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 08:25	05/21/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/16/2010 08:25	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 08:25	05/21/2010 16:00	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 08:25	05/21/2010 16:00	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 08:25	05/21/2010 16:00	

1005134

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005134** **CASE:**	**Status:**	**Batched**

Analysis	Due	TAT	Expires		Comments
1005134-19 SS43-0-1 [Soil] Sampled 05/20/2010 10:35 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 10:35	05/21/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 10:35	05/21/2010 16:00	SubList = SVsim- PAH
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/16/2010 10:35	05/21/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/16/2010 10:35	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 10:35	05/21/2010 16:00	SubList = GC- 8081 DOD
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 10:35	05/21/2010 16:00	
1005134-20 SB43-3-4 [Soil] Sampled 05/20/2010 10:45 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 10:45	05/21/2010 16:00	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 10:45	05/21/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/16/2010 10:45	05/21/2010 16:00	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/16/2010 10:45	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 10:45	05/21/2010 16:00	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 10:45	05/21/2010 16:00	SubList = SVsim- PAH

Analysis groups included in this work order

TRIVALENT CHROMIUM Cr3 7196A

Total Cr by Metals HEXAVALENT CHROMI

CompuChem, a Division of Liberty Analytical Corp.

EXTRACT COC

5-24-2

DEPT: EXTR **DATE:** 5-24-10

BATCH: 0051919

	COMPUCHEM NUMBER	CLIENT SAMPLE ID	PARAMETER	
1	0051919-BLK1	PBLKBO		
2	0051919-BS1	PBOLCS		
3	0051919-BSD1	PBOLCSD		
4	0051919-MS1	SB85-1.5-2.5MS		
5	0051919-MS2	SS73-0-1MS		
6	0051919-MSD1	SB85-1.5-2.5MSD		
7	0051919-MSD2	SS73-0-1MSD		
8	1005132-01	SB85-1.5-2.5		
9	1005132-02	SB78-3.5-4.5		
10	1005132-03	SS77-0-1		
11	1005132-04	SB77-3.5-4.5		
12	1005132-05	SS79-0-1		
13	1005132-06	SB79-11-12		
14	1005132-07	SS83-0-1		
15	1005132-08	SB83-6.5-7.5		
16	1005132-09	SS62-0-1		
17	1005132-10	SS74-0-1		
18	1005132-11	SS86-0-1		
19	1005132-12	SB86-3-4		
20	1005132-13	SS84-0-1		
21	1005132-14	SB84-6-7		
22	1005133-01	SS73-0-1		
23	1005134-01	SS02-0-1		
24	1005134-02	SS02D-0-1		
25	1005134-03	SB02-5-6		
26	1005134-04	SB02D-5-6		
27	1005134-05	SB05-7-8		
28				

RELINQUISHED BY	DATE/TIME	REC. BY	REASON
MHatt	5-24-10/1515pm	GC Ref #3	Storage
GC#3	5/24/10 1330	AHW	log in
AHW	↓ 1330	GC#4	Storage

Rev. 12/29/09:RM

TAJ

TAJ 5/11/10

CompuChem, a Division of Liberty Analytical Corp.

EXTRACT COC

DEPT: EXTR 6-3-1 DATE: 6-3-10

BATCH: 0052510

	COMPUCHEM NUMBER	CLIENT SAMPLE ID	PARAMETER	
1	0052510-BLK1	PBLKCN		
2	0052510-BS1	PCNLCS		
3	0052510-MS1	SB44-5-6MS		
4	0052510-MSD1	SB44-5-6MSD		
5	1005134-06	SS33-0-1		
6	1005134-07	SB33-4-5		
7	1005134-08	SB31-5-6		
8	1005134-09	SS31-0-1		
9	1005134-10	SS32-0-1		
10	1005134-11	SS32D-0-1		
11	1005134-12	SB32-2.5-3.5		
12	1005134-13	SB32D-2.5-3.5		
13	1005134-14	SB50-1-2		
14	1005134-15	SS12-0-1		
15	1005134-16	SB12-2-3		
16	1005134-17	SS44-0-1		
17	1005134-18	SB44-5-6		
18	1005134-19	SS43-0-1		
19	1005134-20	SB43-3-4		
20				
21				
22				
23				
24				
25				
26				
27				
28				
	RELINQUISHED BY	DATE/TIME	REC. BY	REASON
	M Lett	6-3-10/10:55AM	GC Geff3	Storage
	Geff3	6/3/10 1345	Geff4	4
	4	6/3/10 1345		

Rev. 12/29/09:RM

TAJ 6/11/10

TAJ 6/11/10

C. SDG Data

1. QC Summary
2. Sample Data
3. Standards Data
4. Raw QC Data

LAB CODE: LIBRTY

METHOD: 8081B

SDG #: 1005134

1. QC Summary

a. Surrogate Percent Recovery Summary (Form II)

b. Matrix Spike/Matrix Spike Duplicate/
Laboratory Control Sample Summary
(Form III)

c. Method Blank Summary (Form IV)

a. Surrogate Percent Recovery Summary

(Form II)

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

GC Column(1): CLPEST ID: 0.32 (mm) GC Column(2): CLPEST2 ID: 0.32 (mm)

	EPA SAMPLE NO.	S1 1 %REC	#	S1 2 %REC	#	TCX 1 %REC	#	TCX 2 %REC	#	OTHER (1)	OTHER (2)	TOT OUT
01	PBLKBO	76		75		57	*	53	*			2
02	PBOLCS	80		79		88		81				0
03	PBOLCSD	78		76		88		80				0
04	SS02-0-1	72		64		67	*	59	*			2
05	SS02D-0-1	77		70		73		67	*			1
06	SB02-5-6	70		65		75		64	*			1
07	SB02D-5-6	110		100		93		83				0
08	SB05-7-8	66		64		57	*	52	*			2
09	PBLKCN	71		74		70		69	*			1
10	PCNLCS	70		72		75		75				0
11	SB44-5-6MS	73		76		72		68	*			1
12	SB44-5-6MSD	76		77		81		72				0
13	SS33-0-1	64		66		67	*	68	*			2
14	SB33-4-5	69		71		72		69	*			1
15	SB31-5-6	69		71		74		69	*			1
16	SS31-0-1	73		79		89		69	*			1
17	SS32-0-1	69		70		79		79				0
18	SS32D-0-1	73		74		71		94				0
19	SB32-2.5-3.5	64		66		64	*	61	*			2
20	SB32D-2.5-3.	69		71		65	*	62	*			2
21	SB50-1-2	70		72		63	*	62	*			2
22	SS12-0-1	97		100		98		100				0
23	SB12-2-3	73		74		75		69	*			1
24	SS44-0-1	72		67		64	*	67	*			2
25	SB44-5-6	60		61		54	*	51	*			2
26	SS43-0-1	49	*	52	*	53	*	58	*			4
27	SB43-3-4	60		59		62	*	60	*			2
28												
29												
30												

ADVISORY QC LIMITS

S1 = Decachlorobiphenyl (55-130)
S2 (TCX) = Tetrachloro-m-Xylene (70-125)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

b. Matrix Spike/Matrix Spike Duplicate/ Laboratory Control Sample Summary

(Form III)

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix Spike - EPA Sample No.: SB44-5-6

COMPOUND	SPIKE ADDED (ug/Kg	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Aldrin	5.9	0.0	4.5	76	45-140
beta-BHC	5.9	0.0	4.4	74	60-125
alpha-BHC	5.9	0.0	4.9	83	60-125
delta-BHC	5.9	0.0	5.4	92	55-130
gamma-BHC (Lindane)	5.9	0.0	4.6	78	60-125
4,4'-DDD	15	0.0	13	87	30-135
4,4'-DDE	15	0.0	13	87	70-125
4,4'-DDT	15	0.99	12	73	45-140
Dieldrin	15	0.0	13	87	65-125
Endosulfan I	5.9	0.0	4.9	83	15-135
Endosulfan II	15	0.0	13	87	35-140
Endosulfan sulfate	15	0.0	12	80	60-135
Endrin	15	0.0	13	87	60-135
Endrin Aldehyde	15	0.0	5.9	39	35-145
Heptachlor	5.9	0.0	5.4	92	50-140
Heptachlor Epoxide	5.9	0.0	5.6	95	65-130
Methoxychlor	15	0.0	13	87	55-145
Endrin Ketone	15	0.0	13	87	65-135
gamma-Chlordane	5.9	0.0	5.0	85	65-125
alpha-Chlordane	5.9	0.0	5.1	86	65-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix Spike - EPA Sample No.: SB44-5-6

COMPOUND	SPIKE ADDED (ug/Kg	MSD CONCENTRATION (ug/Kg	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aldrin	5.9	4.0	68	12	40	45-140
beta-BHC	5.9	4.7	80	6	40	60-125
alpha-BHC	5.9	4.7	80	4	40	60-125
delta-BHC	5.9	5.3	90	2	40	55-130
gamma-BHC (Lindane)	5.9	4.4	74	4	40	60-125
4,4'-DDD	15	13	87	0	40	30-135
4,4'-DDE	15	12	80	8	40	70-125
4,4'-DDT	15	12	73	0	40	45-140
Dieldrin	15	13	87	0	40	65-125
Endosulfan I	5.9	4.5	76	8	40	15-135
Endosulfan II	15	12	80	8	40	35-140
Endosulfan sulfate	15	12	80	0	40	60-135
Endrin	15	12	80	8	40	60-135
Endrin Aldehyde	15	5.4	36	9	40	35-145
Heptachlor	5.9	5.1	86	6	40	50-140
Heptachlor Epoxide	5.9	5.3	90	6	40	65-130
Methoxychlor	15	13	87	0	40	55-145
Endrin Ketone	15	13	87	0	40	65-135
gamma-Chlordane	5.9	4.7	80	6	40	65-125
alpha-Chlordane	5.9	5.5	93	8	40	65-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits
Spike Recovery: 0 out of 40 outside limits

COMMENTS: _____

3F

SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

LCS ID: PBOLCS Matrix Spike - EPA Sample No.: PBOLCS

COMPOUND	SPIKE ADDED (ug/Kg	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Aldrin	5.0		3.8	76	45-140
beta-BHC	5.0		4.1	82	60-125
alpha-BHC	5.0		4.5	90	60-125
delta-BHC	5.0		4.8	96	55-130
gamma-BHC (Lindane)	5.0		4.2	84	60-125
4,4'-DDD	13		12	92	30-135
4,4'-DDE	13		11	85	70-125
4,4'-DDT	13		15	115	45-140
Dieldrin	13		12	92	65-125
Endosulfan I	5.0		4.3	86	15-135
Endosulfan II	13		11	85	35-140
Endosulfan sulfate	13		10	77	60-135
Endrin	13		11	85	60-135
Endrin Aldehyde	13		6.7	52	35-145
Heptachlor	5.0		4.9	98	50-140
Heptachlor Epoxide	5.0		5.0	100	65-130
Methoxychlor	13		12	92	55-145
Endrin Ketone	13		12	92	65-135
gamma-Chlordane	5.0		4.5	90	65-125
alpha-Chlordane	5.0		5.0	100	65-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

3F
SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

LCS ID: PBOLCS Matrix Spike - EPA Sample No.: PBOLCS

COMPOUND	SPIKE ADDED (ug/Kg	LCSD CONCENTRATION (ug/Kg	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aldrin	5.0	3.6	72	5	40	45-140
beta-BHC	5.0	4.1	82	0	40	60-125
alpha-BHC	5.0	4.4	88	2	40	60-125
delta-BHC	5.0	4.6	92	4	40	55-130
gamma-BHC (Lindane)	5.0	3.9	78	7	40	60-125
4,4'-DDD	13	11	85	9	40	30-135
4,4'-DDE	13	11	85	0	40	70-125
4,4'-DDT	13	10	77	40	40	45-140
Dieldrin	13	11	85	9	40	65-125
Endosulfan I	5.0	4.1	82	5	40	15-135
Endosulfan II	13	11	85	0	40	35-140
Endosulfan sulfate	13	10	77	0	40	60-135
Endrin	13	11	85	0	40	60-135
Endrin Aldehyde	13	6.0	46	11	40	35-145
Heptachlor	5.0	4.7	94	4	40	50-140
Heptachlor Epoxide	5.0	4.6	92	8	40	65-130
Methoxychlor	13	12	92	0	40	55-145
Endrin Ketone	13	11	85	9	40	65-135
gamma-Chlordane	5.0	4.3	86	4	40	65-125
alpha-Chlordane	5.0	4.8	96	4	40	65-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits
Spike Recovery: 0 out of 40 outside limits

COMMENTS: _____

3F
SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

LCS ID: PCNLCS

COMPOUND	SPIKE ADDED (ug/Kg	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Aldrin	5.0	3.8	76	45-140
beta-BHC	5.0	3.9	78	60-125
alpha-BHC	5.0	4.3	86	60-125
delta-BHC	5.0	4.4	88	55-130
gamma-BHC (Lindane)	5.0	4.0	80	60-125
4,4'-DDD	13	10	77	30-135
4,4'-DDE	13	10	77	70-125
4,4'-DDT	13	9.4	72	45-140
Dieldrin	13	11	85	65-125
Endosulfan I	5.0	4.0	80	15-135
Endosulfan II	13	10	77	35-140
Endosulfan sulfate	13	9.8	75	60-135
Endrin	13	10	77	60-135
Endrin Aldehyde	13	4.8	37	35-145
Heptachlor	5.0	4.7	94	50-140
Heptachlor Epoxide	5.0	4.6	92	65-130
Methoxychlor	13	11	85	55-145
Endrin Ketone	13	11	85	65-135
gamma-Chlordane	5.0	4.1	82	65-125
alpha-Chlordane	5.0	4.5	90	65-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS: _____

c. Method Blank Summary (Form IV)

If more than a single form is necessary, forms shall be arranged in chronological order by date of analysis of the blanks and by instrument.

4C

EPA SAMPLE NO.

PESTICIDE METHOD BLANK SUMMARY

PBLKBO

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab Sample ID: 0051919-BLK1 Lab File ID: 016F0051919-BLK1

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SONC

Sulfur Cleanup (Y/N) N Date Extracted: 05/20/10

Date Analyzed (1): 06/01/10 Date Analyzed (2): 06/01/10

Time Analyzed (1): 2305 Time Analyzed (2): 2305

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column (1): CLPEST ID: 0.32(mm) GC Column (2): CLPEST2 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PBOLCS	0051919-BS1	06/01/10	06/01/10
02	PBOLCSD	0051919-BSD1	06/02/10	06/02/10
03	SS02-0-1	1005134-01	06/02/10	06/02/10
04	SS02D-0-1	1005134-02	06/02/10	06/02/10
05	SB02-5-6	1005134-03	06/02/10	06/02/10
06	SB02D-5-6	1005134-04	06/02/10	06/02/10
07	SB05-7-8	1005134-05	06/02/10	06/02/10
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: _____

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLKCN

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab Sample ID: 0052510-BLK1 Lab File ID: 215J0052510-BLK1

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SONC

Sulfur Cleanup (Y/N) N Date Extracted: 05/25/10

Date Analyzed (1): 06/04/10 Date Analyzed (2): 06/04/10

Time Analyzed (1): 2335 Time Analyzed (2): 2335

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column (1): CLPEST ID: 0.32(mm) GC Column (2): CLPEST2 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PCNLCS	0052510-BS1	06/05/10	06/05/10
02	SB44-5-6MS	0052510-MS1	06/05/10	06/05/10
03	SB44-5-6MSD	0052510-MSD1	06/05/10	06/05/10
04	SS33-0-1	1005134-06	06/05/10	06/05/10
05	SB33-4-5	1005134-07	06/05/10	06/05/10
06	SB31-5-6	1005134-08	06/05/10	06/05/10
07	SS31-0-1	1005134-09	06/05/10	06/05/10
08	SS32-0-1	1005134-10	06/05/10	06/05/10
09	SS32D-0-1	1005134-11	06/05/10	06/05/10
10	SB32-2.5-3.5	1005134-12	06/05/10	06/05/10
11	SB32D-2.5-3.	1005134-13	06/05/10	06/05/10
12	SB50-1-2	1005134-14	06/05/10	06/05/10
13	SS12-0-1	1005134-15	06/05/10	06/05/10
14	SB12-2-3	1005134-16	06/05/10	06/05/10
15	SS44-0-1	1005134-17	06/05/10	06/05/10
16	SB44-5-6	1005134-18	06/05/10	06/05/10
17	SS43-0-1	1005134-19	06/05/10	06/05/10
18	SB43-3-4	1005134-20	06/05/10	06/05/10
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: _____

2. Sample Data

Sample data shall be arranged in packets with the Organic Analysis Data Sheet (Form I), followed by the raw data for samples. These sample packets shall be placed in increasing Client Sample ID number order, considering both letters and numbers.

a. Target Analyte Results

Tabulated results (identification and quantitation) shall be included.

b. Copies of Chromatograms

Positively identified compounds shall be labeled with the names of compounds, either directly out from the peak on the chromatogram, or on a printout of retention times on the data system printout if retention times are printed over the peak on the chromatogram. Included for each sample or sample extract, dilutions, and reanalysis. The chromatogram shall contain the following header information: Client Sample ID number, volume injected (uL), date and time of injection, GC column ID, and GC instrument ID.

c. Copies of Chromatograms from the Second Column

(if necessary)

d. Data System Printout

A printout of retention time and corresponding peak height or peak Area shall accompany each chromatogram. Where edits have been Made, initialing, dating and integration time range are required.

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB02-5-6

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 20 decanted: (Y/N) N Date Received: 05/14/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/20/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/02/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.1	U
319-85-7	beta-BHC	2.1	U
319-84-6	alpha-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
72-54-8	4,4'-DDD	4.1	U
72-55-9	4,4'-DDE	4.1	U
50-29-3	4,4'-DDT	4.1	U
60-57-1	Dieldrin	4.1	U
959-98-8	Endosulfan I	2.1	U
33213-65-9	Endosulfan II	4.1	U
1031-07-8	Endosulfan sulfate	4.1	U
72-20-8	Endrin	4.1	U
7421-93-4	Endrin Aldehyde	4.1	U
76-44-8	Heptachlor	0.30	JP
1024-57-3	Heptachlor Epoxide	2.1	U
72-43-5	Methoxychlor	21	U
8001-35-2	Toxaphene	100	U
53494-70-5	Endrin Ketone	4.1	U
5103-74-2	gamma-Chlordane	2.1	U
5103-71-9	alpha-Chlordane	2.1	U

Data File: /chem/tracegc82.i/f100601c.b/048f1005134-03.d

Page 1

Date : 02-JUN-2010 14:37

Client ID: SB02-5-6

Instrument: tracegc82.i

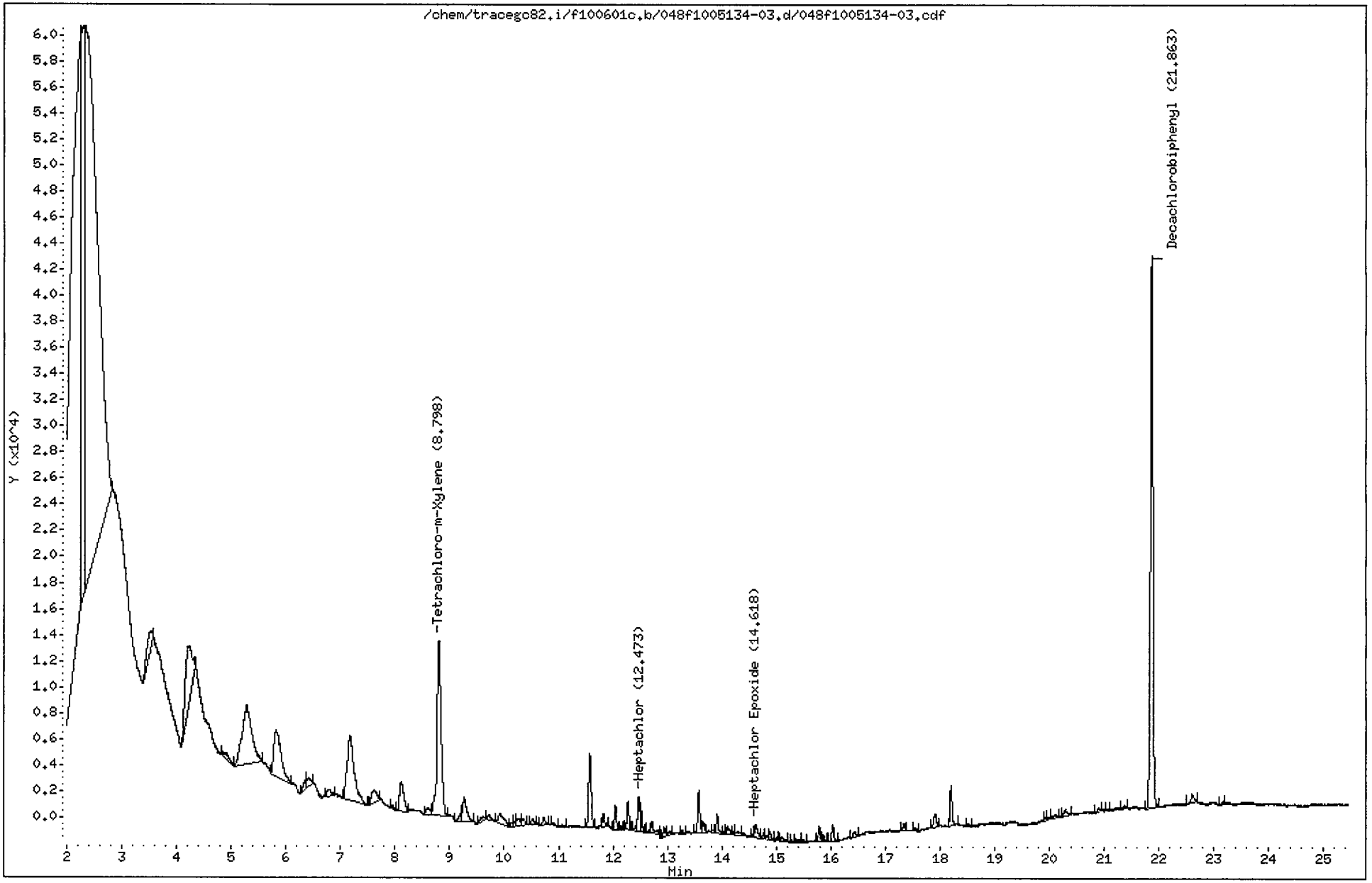
Sample Info: 1005134-03

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-03 Client Smp Id : SB02-5-6
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 14:37 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601c.b/8081A_clpestv6.m
Misc. Info : SB02-5-6

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 20(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.50			125048								
2.25			710210								
2.28			174886								
2.34			657578								
3.52			10286								
4.22			38616								
4.84			2882								
5.28			55948								
5.82			32156								
6.37			2622								
6.42			3665								
6.78			2783								
7.18			43972								
7.61			5890								
7.94			950								
8.12			12316								
8.60			2964								
8.80	8.73	8.87	71020	1587700	Tetrachloro-m-Xylene	0.044731	9.318908		74.6	70 - 125	
9.22			2079								
9.27			9833								
9.63			1773								
9.72			1510								
9.92			5672								
10.14			977								
10.21			1342								
10.26			2329								
10.35			2225								
10.52			1628								
10.62			311								
10.73			2098								
10.90			858								
11.04			789								
11.57			19166								
11.82			2953								
12.05			4762								
12.15			808								
12.28			5757								

CompuChem

Lab Smp Id : 1005134-03 Client Smp Id : SB02-5-6
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 14:37 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601c.b/8081A_clpestv6.m
Misc. Info : SB02-5-6

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 20(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.41		580								
12.47	12.38 12.52	6614	2589888	Heptachlor	0.002554	0.532037	2.125000			J
12.51		4163								
12.66		405								
12.72		3187								
12.94		2033								
13.04		773								
13.28		694								
13.57		8848								
13.67		2012								
13.84		458								
13.91		3840								
14.05		345								
14.10		2207								
14.22		696								
14.29		1438								
14.39		1351								
14.57		531								
14.62	14.56 14.70	3948	2235460	Heptachlor Epoxide	0.001766	0.367840	2.125000			J
14.75		1066								
14.82		795								
14.88		1403								
15.00		473								
15.10		1087								
15.27		405								
15.37		1023								
15.49		497								
15.79		2815								
15.87		1132								
16.04		3199								
16.43		1281								
17.34		1690								
17.55		673								
17.91		3709								
18.20		8464								
18.51		510								
19.93		603								

CompuChem

Lab Smp Id : 1005134-03 Client Smp Id : SB02-5-6
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 14:37 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601c.b/8081A_clpestv6.m
Misc. Info : SB02-5-6

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 20(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
20.00		716								
20.11		1310								
20.29		1848								
20.90		974								
21.05		287								
21.37		813								
21.86	21.79 21.93	136716	1622138	Decachlorobiphenyl	0.084281	17.55848		70.2	55 - 130	
22.61		2479								
23.15		558								

Data File: /chem/tracegc82.i/f100601c_2C.b/048f1005134-03.d

Date : 02-JUN-2010 14:37

Client ID: SB02-5-6

Instrument: tracegc82.i

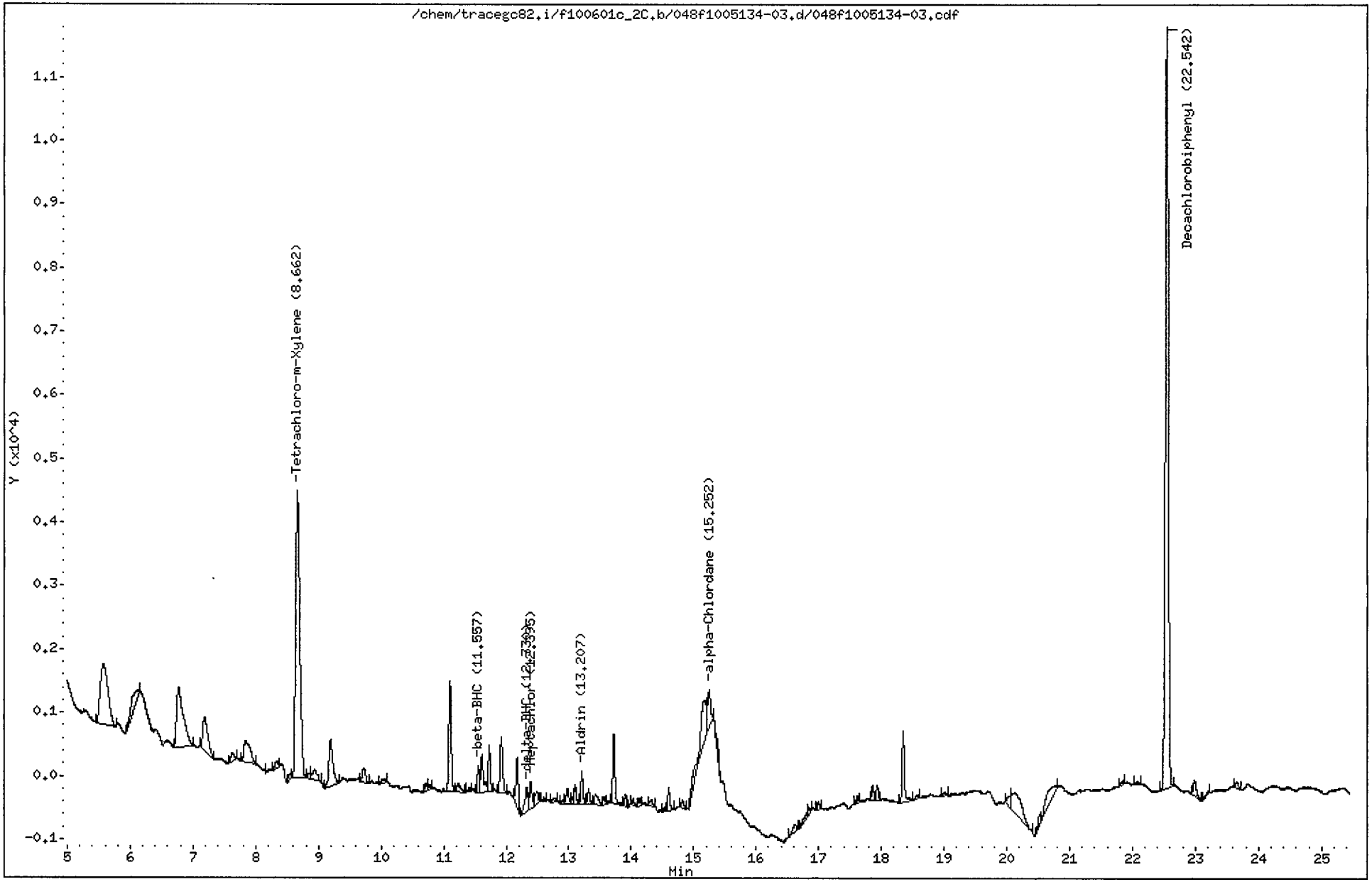
Sample Info: 1005134-03

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-03 Client Smp Id : SB02-5-6
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 14:37 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601c_2C.b/8081A_clpest2v6.m
Misc. Info : SB02-5-6

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 20(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.36			238								
1.52			22933								
2.05			42910								
3.17			18936								
3.51			20894								
4.37			178								
4.68			151								
4.83			507								
5.57			8130								
6.11			1879								
6.77			6939								
7.18			3023								
7.63			528								
7.84			2379								
8.21			123								
8.33			417								
8.54			265								
8.66	8.59	8.73	20973	548876	Tetrachloro-m-Xylene	0.038211	7.960587		63.7*	70 - 125	R
8.85			245								
8.94			911								
9.19			3208								
9.73			855								
10.04			280								
10.72			376								
10.78			207								
11.10			4612								
11.24			556								
11.41			141								
11.56	11.50	11.64	936	347428	beta-BHC	0.002691	0.560669	1.063750			J
11.61			1808								
11.73			1680								
11.92			2514								
12.18			1957								
12.33	12.22	12.36	1336	827595	delta-BHC	0.001614	0.336316	2.125000			J
12.40	12.33	12.47	1124	778205	Heptachlor	0.001444	0.300906	2.125000			J
12.49			725								
12.61			134								

6/2/10

CompuChem

Lab Smp Id : 1005134-03 Client Smp Id : SB02-5-6
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 14:37 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601c_2C.b/8081A_clpest2v6.m
Misc. Info : SB02-5-6

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 20(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.77		223								
12.89		127								
12.97		739								
13.07		195								
13.10		723								
13.21	13.10 13.24	1189	726628	Aldrin	0.001635	0.340615	2.125000			J
13.32		573								
13.43		725								
13.56		266								
13.72		2720								
13.90		456								
14.03		276								
14.13		285								
14.32		327								
14.53		131								
14.60		836								
14.82		337								
15.04		913								
15.16		4084								
15.25	15.21 15.35	1809	595455	alpha-Chlordane	0.003038	0.632919	2.125000			J
15.38		389								
16.63		559								
16.82		425								
16.85		209								
17.00		266								
17.61		264								
17.86		555								
17.94		525								
18.35		2854								
18.57		205								
19.00		140								
20.06		744								
20.12		3702								
20.52		492								
20.78		2012								
21.82		148								
22.08		138								

CompuChem

Lab Smp Id : 1005134-03 Client Smp Id : SB02-5-6
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 14:37 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601c_2C.b/8081A_clpest2v6.m
Misc. Info : SB02-5-6

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 20(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
22.54	22.47 22.61	38659	497254	Decachlorobiphenyl	0.077743	16.19643		64.8	55 - 130	
22.98		926								
23.21		149								
23.65		313								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB02D-5-6

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 22 decanted: (Y/N) N Date Received: 05/14/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/20/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/02/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.2	U
319-85-7	beta-BHC	2.2	U
319-84-6	alpha-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
72-54-8	4,4'-DDD	4.2	U
72-55-9	4,4'-DDE	4.2	U
50-29-3	4,4'-DDT	4.2	U
60-57-1	Dieldrin	4.2	U
959-98-8	Endosulfan I	2.2	U
33213-65-9	Endosulfan II	4.2	U
1031-07-8	Endosulfan sulfate	4.2	U
72-20-8	Endrin	4.2	U
7421-93-4	Endrin Aldehyde	4.2	U
76-44-8	Heptachlor	0.35	J
1024-57-3	Heptachlor Epoxide	2.2	U
72-43-5	Methoxychlor	22	U
8001-35-2	Toxaphene	110	U
53494-70-5	Endrin Ketone	4.2	U
5103-74-2	gamma-Chlordane	0.24	JP
5103-71-9	alpha-Chlordane	2.2	U

Data File: /chem/tracegc82.i/f100601c.b/049f1005134-04.d

Date : 02-JUN-2010 15:06

Client ID: SB02D-5-6

Instrument: tracegc82.i

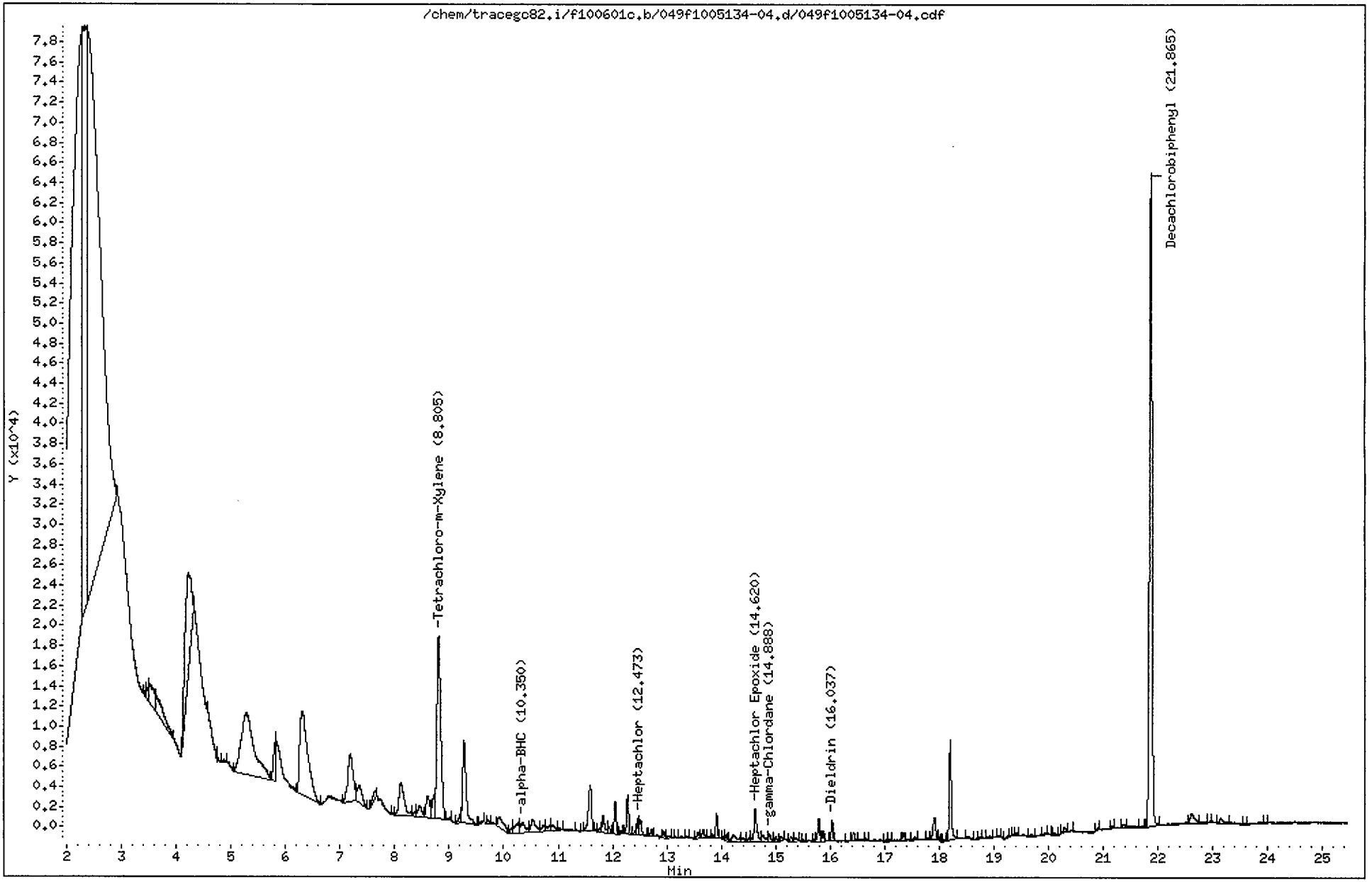
Sample Info: 1005134-04

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-04 Client Smp Id : SB02D-5-6
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 15:06 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601c.b/8081A_clpestv6.m
Misc. Info : SB02D-5-6

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 22(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.04		540								
1.51		85674								
2.27		1004057								
2.31		300567								
2.38		878179								
3.46		1218								
3.50		2925								
3.52		12093								
3.63		16467								
4.22		75696								
4.57		3000								
4.87		657								
5.27		99759								
5.82		9903								
6.30		86318								
7.19		33047								
7.34		11431								
7.63		4307								
7.95		494								
8.11		22610								
8.36		1242								
8.46		6134								
8.61		10233								
8.72		7740								
8.80	8.73 8.87	88586	1587700	Tetrachloro-m-Xylene	0.055795	11.92192		93.0	70 - 125	
8.99		577								
9.20		1989								
9.27		37977								
9.59		944								
9.72		759								
9.92		8109								
10.15		1446								
10.25		6577								
10.35	10.32 10.46	6351	3028788	alpha-BHC	0.002097	0.447980	2.179487			J
10.53		7359								
10.73		2817								
10.84		2667								

KQH 6/2/10

CompuChem

Lab Smp Id : 1005134-04 Client Smp Id : SB02D-5-6
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 15:06 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601c.b/8081A_clpestv6.m
Misc. Info : SB02D-5-6

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 22(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
10.90		2450								
11.02		618								
11.34		443								
11.59		17867								
11.76		984								
11.83		5516								
11.94		1857								
12.05		8454								
12.15		533								
12.28		9878								
12.42		989								
12.47	12.38 12.52	4301	2589888	Heptachlor	0.001660	0.354766	2.179487			J
12.52		3953								
12.71		1839								
12.95		1651								
13.04		631								
13.14		345								
13.37		462								
13.57		1655								
13.67		2558								
13.84		763								
13.91		5468								
14.05		510								
14.10		1334								
14.22		4041								
14.40		1362								
14.51		1041								
14.62	14.56 14.70	11920	2235460	Heptachlor Epoxide	0.005332	1.139367	2.179487			J
14.76		3320								
14.89	14.84 14.98	2556	2245768	gamma-Chlordane	0.001138	0.243193	2.179487			J
15.00		1115								
15.10		1219								
15.29		972								
15.37		1187								
15.50		461								
15.70		460								
15.79		5922								

CompuChem

Lab Smp Id : 1005134-04 Client Smp Id : SB02D-5-6
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 15:06 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601c.b/8081A_clpestv6.m
Misc. Info : SB02D-5-6

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 22(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
15.87		2331								
16.04	15.99 16.13	4564	2037205	Dieldrin	0.002240	0.478702	4.230769			J
16.33		317								
16.43		2444								
16.66		626								
17.04		497								
17.09		692								
17.34		2027								
17.55		799								
17.79		444								
17.92		7478								
17.99		524								
18.09		373								
18.20		26174								
18.51		719								
18.74		482								
18.92		666								
19.09		295								
19.24		582								
19.36		368								
19.41		612								
19.69		472								
19.92		407								
20.00		299								
20.13		819								
20.30		1699								
20.43		361								
20.90		386								
21.18		317								
21.37		939								
21.70		428								
21.86	21.79 21.93	210216	1622138	Decachlorobiphenyl	0.129591	27.69045		108.0	55 - 130	
22.61		5296								
22.94		296								
23.16		2115								
23.57		349								
23.93		387								

Data File: /chem/tracegc82.i/f100601c_2C.b/049f1005134-04.d

Date : 02-JUN-2010 15:06

Client ID: SB02D-5-6

Instrument: tracegc82.i

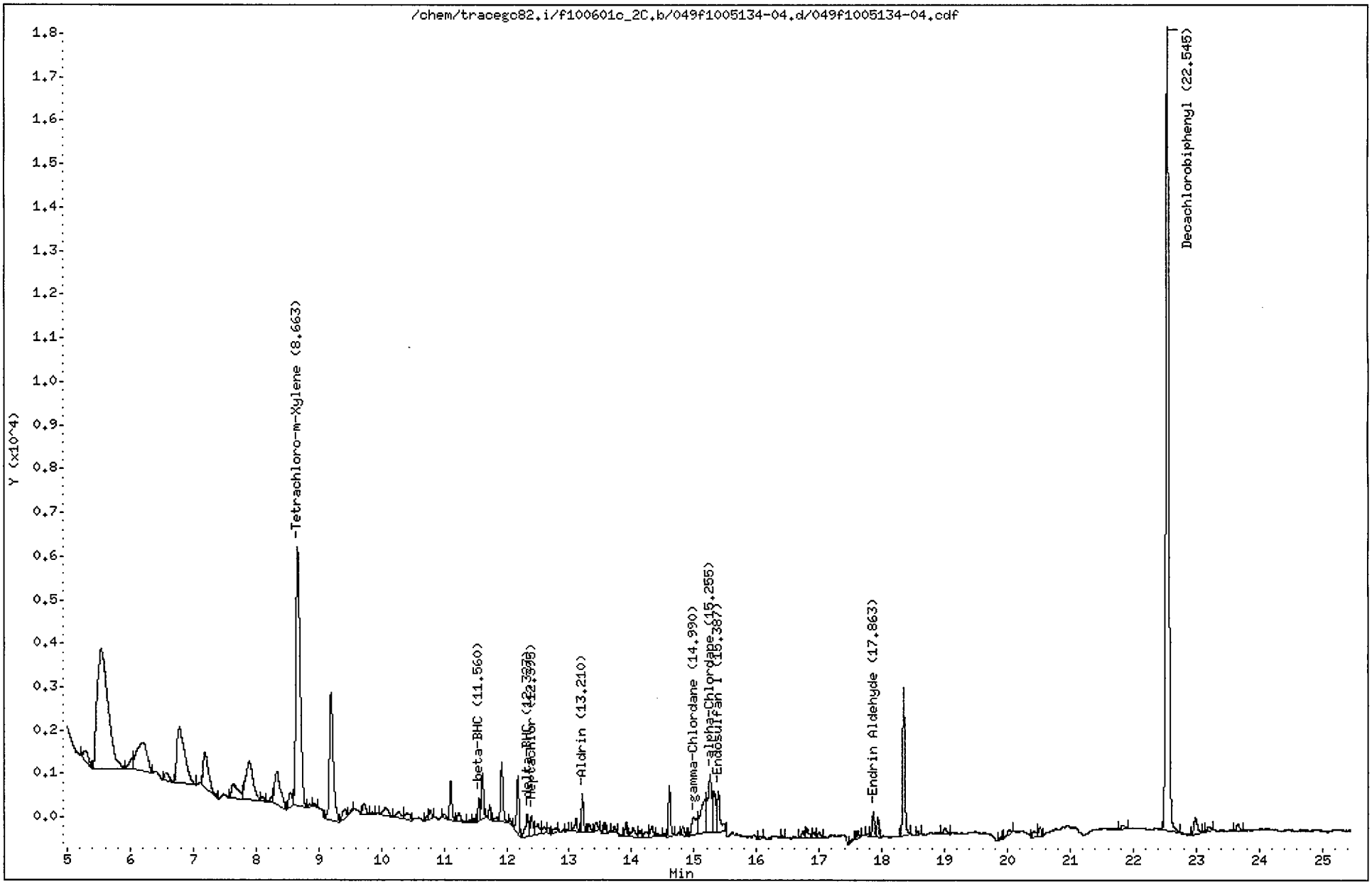
Sample Info: 1005134-04

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-04 Client Smp Id : SB02D-5-6
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 15:06 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601c_2C.b/8081A_clpest2v6.m
Misc. Info : SB02D-5-6

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 22(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.36			372								
1.53			14904								
2.07			57124								
3.17			5478								
3.52			79236								
4.44			3856								
4.51			5014								
4.85			821								
5.28			1228								
5.54			32970								
6.02			1014								
6.20			7382								
6.57			968								
6.78			11200								
7.19			4822								
7.64			2556								
7.89			7510								
8.10			428								
8.24			452								
8.34			5008								
8.55			1296								
8.66	8.59	8.73	27461	548876	Tetrachloro-m-Xylene	0.050031	10.69046		83.4	70 - 125	
8.86			183								
8.93			253								
9.20			12473								
9.41			907								
9.53			139								
9.72			865								
9.86			158								
10.06			1170								
10.28			871								
10.41			830								
10.72			187								
10.78			547								
11.01			306								
11.11			2210								
11.24			698								

CompuChem

Lab Smp Id : 1005134-04 Client Smp Id : SB02D-5-6
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 15:06 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601c_2C.b/8081A_clpest2v6.m
Misc. Info : SB02D-5-6

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 22(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.41		130								
11.48		194								
11.56	11.50 11.64	1140	347428	beta-BHC	0.003278	0.700509	1.091026			J
11.62		2381								
11.73		659								
11.81		347								
11.92		3639								
12.05		280								
12.18		3390								
12.33	12.22 12.36	1689	827595	delta-BHC	0.002041	0.436080	2.179487			J
12.40	12.33 12.47	1366	778205	Heptachlor	0.001755	0.375069	2.179487			J
12.50		1200								
12.60		481								
12.66		335								
12.77		414								
12.96		121								
13.11		793								
13.21	13.10 13.24	1841	726628	Aldrin	0.002532	0.541078	2.179487			J
13.32		435								
13.43		597								
13.57		517								
13.72		333								
13.91		809								
14.03		981								
14.13		401								
14.21		562								
14.32		787								
14.41		211								
14.60		2855								
14.82		538								
14.99	14.88 15.02	2117	690205	gamma-Chlordane	0.003067	0.655386	2.179487			J
15.18		5121								
15.26	15.21 15.35	5626	595455	alpha-Chlordane	0.009448	2.018854	2.179487			J
15.32		2977								
15.39	15.33 15.47	3182	638725	Endosulfan I	0.004980	1.064153	2.179487			J
16.05		182								
16.41		120								

CompuChem

Lab Smp Id : 1005134-04 Client Smp Id : SB02D-5-6
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 15:06 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601c_2C.b/8081A_clpest2v6.m
Misc. Info : SB02D-5-6

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 22(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
16.74		517								
16.80		686								
16.91		330								
17.00		367								
17.55		189								
17.62		329								
17.77		148								
17.86	17.81 17.95	1417	425754	Endrin Aldehyde	0.003326	0.710655	4.230769			J
17.93		1040								
18.35		7927								
18.57		202								
19.01		453								
19.90		137								
20.03		413								
20.42		527								
20.52		587								
21.84		359								
22.54	22.47 22.61	59540	497254	Decachlorobiphenyl	0.119735	25.58450		99.8	55 - 130	
22.99		1387								
23.19		357								
23.66		521								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB05-7-8

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 28 decanted: (Y/N) N Date Received: 05/14/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/20/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/02/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.4	U
319-85-7	beta-BHC	2.4	U
319-84-6	alpha-BHC	2.4	U
319-86-8	delta-BHC	2.4	U
58-89-9	gamma-BHC (Lindane)	2.4	U
72-54-8	4,4'-DDD	4.6	U
72-55-9	4,4'-DDE	4.6	U
50-29-3	4,4'-DDT	4.6	U
60-57-1	Dieldrin	4.6	U
959-98-8	Endosulfan I	2.4	U
33213-65-9	Endosulfan II	4.6	U
1031-07-8	Endosulfan sulfate	4.6	U
72-20-8	Endrin	4.6	U
7421-93-4	Endrin Aldehyde	4.6	U
76-44-8	Heptachlor	2.4	U
1024-57-3	Heptachlor Epoxide	2.4	U
72-43-5	Methoxychlor	24	U
8001-35-2	Toxaphene	120	U
53494-70-5	Endrin Ketone	4.6	U
5103-74-2	gamma-Chlordane	2.4	U
5103-71-9	alpha-Chlordane	2.4	U

Data File: /chem/tracegc82.i/f100601c.b/050f1005134-05.d

Date : 02-JUN-2010 15:36

Client ID: SB05-7-8

Instrument: tracegc82.i

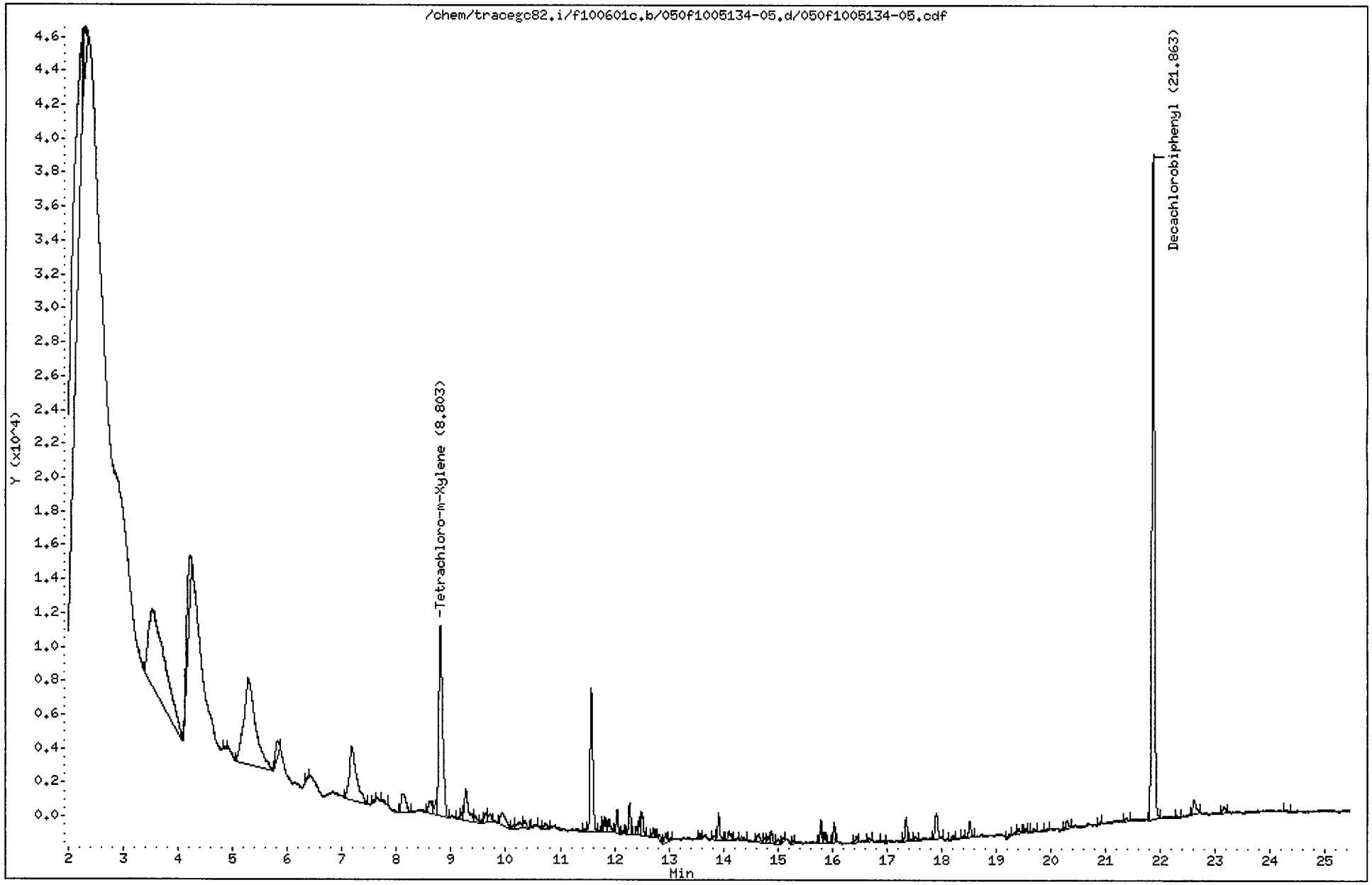
Sample Info: 1005134-05

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-05 Client Smp Id : SB05-7-8
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 15:36 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601c.b/8081A_clpestv6.m
Misc. Info : SB05-7-8

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 28(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
0.06			292								
1.50			95227								
2.25			105041								
2.27			5926								
2.30			8256								
3.53			98361								
4.22			22023								
4.85			351								
5.28			75801								
5.82			3899								
6.38			463								
7.18			28720								
7.58			304								
7.74			541								
8.12			7151								
8.62			3587								
8.72			2149								
8.80	8.73	8.87	54310	1587700	Tetrachloro-m-Xylene	0.034207	7.918223		57.0*	70 - 125	R
9.16			618								
9.20			825								
9.27			9468								
9.44			1554								
9.58			405								
9.63			2067								
9.71			1774								
9.94			5358								
10.13			633								
10.25			2279								
10.35			1576								
10.52			490								
10.72			1249								
11.45			379								
11.57			29176								
11.76			533								
11.82			2283								
11.90			2482								
12.04			3606								

CompuChem

Lab Smp Id : 1005134-05 Client Smp Id : SB05-7-8
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 15:36 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601c.b/8081A_clpestv6.m
Misc. Info : SB05-7-8

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 28(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.15		479								
12.28		4830								
12.42		1089								
12.47		2507								
12.51		3589								
12.72		1324								
12.84		1205								
12.94		1669								
13.04		441								
13.57		871								
13.84		720								
13.91		4157								
14.10		2079								
14.33		830								
14.65		2093								
14.75		909								
14.82		1064								
14.88		2097								
15.00		992								
15.09		542								
15.29		312								
15.79		3465								
15.87		1521								
16.03		2643								
16.45		963								
16.66		744								
16.93		408								
17.35		3472								
17.52		734								
17.90		5839								
18.21		764								
18.40		337								
18.52		2779								
19.25		320								
19.41		911								
19.53		583								
19.70		784								

CompuChem

Lab Smp Id : 1005134-05 Client Smp Id : SB05-7-8
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 15:36 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601c.b/8081A_clpestv6.m
Misc. Info : SB05-7-8

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 28(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
19.93		352								
20.30		1647								
20.90		296								
21.38		703								
21.86	21.79 21.93	128758	1622138	Decachlorobiphenyl	0.079375	18.37395		66.1	55 - 130	
22.28		354								
22.61		3646								
23.15		1307								
24.27		362								

Data File: /chem/tracegc82.i/f100601c_2C.b/050f1005134-05.d

Date : 02-JUN-2010 15:36

Client ID: SB05-7-8

Instrument: tracegc82.i

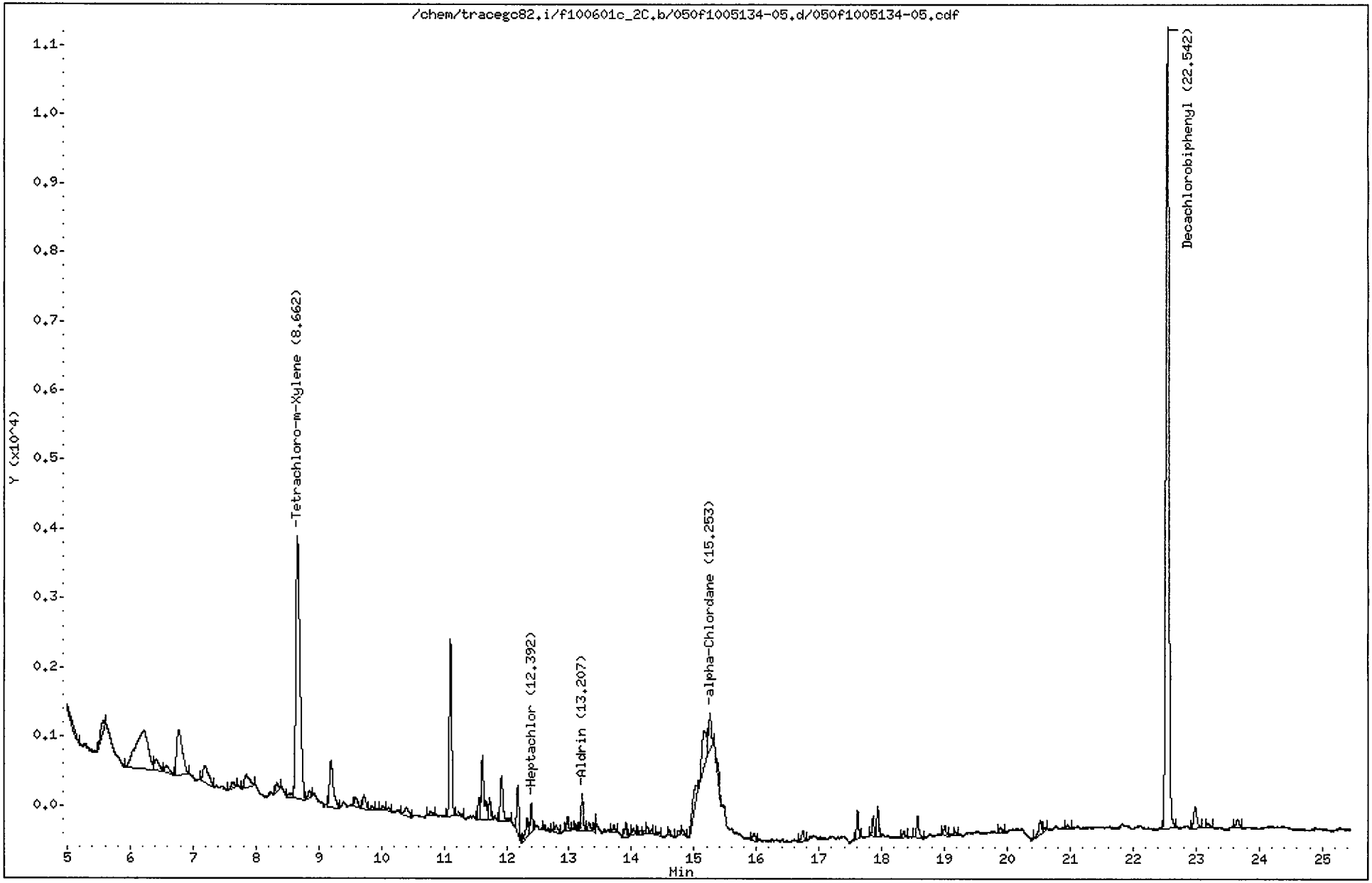
Sample Info: 1005134-05

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-05 Client Smp Id : SB05-7-8
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 15:36 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601c_2C.b/8081A_clpest2v6.m
Misc. Info : SB05-7-8

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 28(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.35			271								
1.52			34107								
2.04			44562								
3.18			17137								
3.52			49071								
4.44			171								
4.85			7640								
5.57			672								
6.21			7859								
6.42			898								
6.57			552								
6.77			4148								
7.18			1512								
7.63			328								
7.85			1124								
8.34			397								
8.54			190								
8.66	8.59	8.73	17271	548876	Tetrachloro-m-Xylene	0.031464	7.283403		52.4*	70 - 125	R
8.85			294								
9.20			2934								
9.59			540								
9.72			758								
9.85			177								
10.02			199								
10.11			149								
10.40			632								
10.79			198								
11.10			6755								
11.22			209								
11.55			671								
11.61			2951								
11.73			681								
11.92			2069								
12.18			1727								
12.33			807								
12.39	12.33	12.47	928	778205	Heptachlor	0.001191	0.275741	2.361111			J
12.60			299								

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CompuChem

Lab Smp Id : 1005134-05 Client Smp Id : SB05-7-8
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 15:36 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601c_2C.b/8081A_clpest2v6.m
Misc. Info : SB05-7-8

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 28(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.79		384								
12.97		465								
13.11		199								
13.21	13.10 13.24	1197	726628	Aldrin	0.001647	0.381328	2.361111			J
13.32		309								
13.43		213								
13.72		250								
13.91		540								
14.03		193								
14.14		183								
14.20		131								
14.26		364								
14.41		229								
14.60		220								
14.76		181								
14.82		188								
15.04		1397								
15.15		2797								
15.25	15.21 15.35	1707	595455	alpha-Chlordane	0.002867	0.663592	2.361111			J
15.38		477								
15.96		350								
16.74		461								
17.61		877								
17.86		626								
17.93		953								
18.35		211								
18.57		948								
19.00		376								
19.17		136								
19.89		230								
20.52		659								
20.61		158								
20.96		145								
22.54	22.47 22.61	37998	497254	Decachlorobiphenyl	0.076414	17.68833		63.7	55 - 130	
22.99		1134								
23.20		199								
23.65		369								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB12-2-3

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-16

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 11 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.9	U
319-85-7	beta-BHC	1.9	U
319-84-6	alpha-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
72-54-8	4,4'-DDD	3.7	U
72-55-9	4,4'-DDE	3.7	U
50-29-3	4,4'-DDT	0.90	JP
60-57-1	Dieldrin	3.7	U
959-98-8	Endosulfan I	1.9	U
33213-65-9	Endosulfan II	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
72-20-8	Endrin	3.7	U
7421-93-4	Endrin Aldehyde	3.7	U
76-44-8	Heptachlor	1.9	U
1024-57-3	Heptachlor Epoxide	1.9	U
72-43-5	Methoxychlor	19	U
8001-35-2	Toxaphene	93	U
53494-70-5	Endrin Ketone	3.7	U
5103-74-2	gamma-Chlordane	1.9	U
5103-71-9	alpha-Chlordane	1.9	U

Data File: /chem/tracegc84.i/j100528v.b/233j1005134-16.d

Page 1

Date : 05-JUN-2010 08:16

Client ID: SB12-2-3

Instrument: tracegc84.i

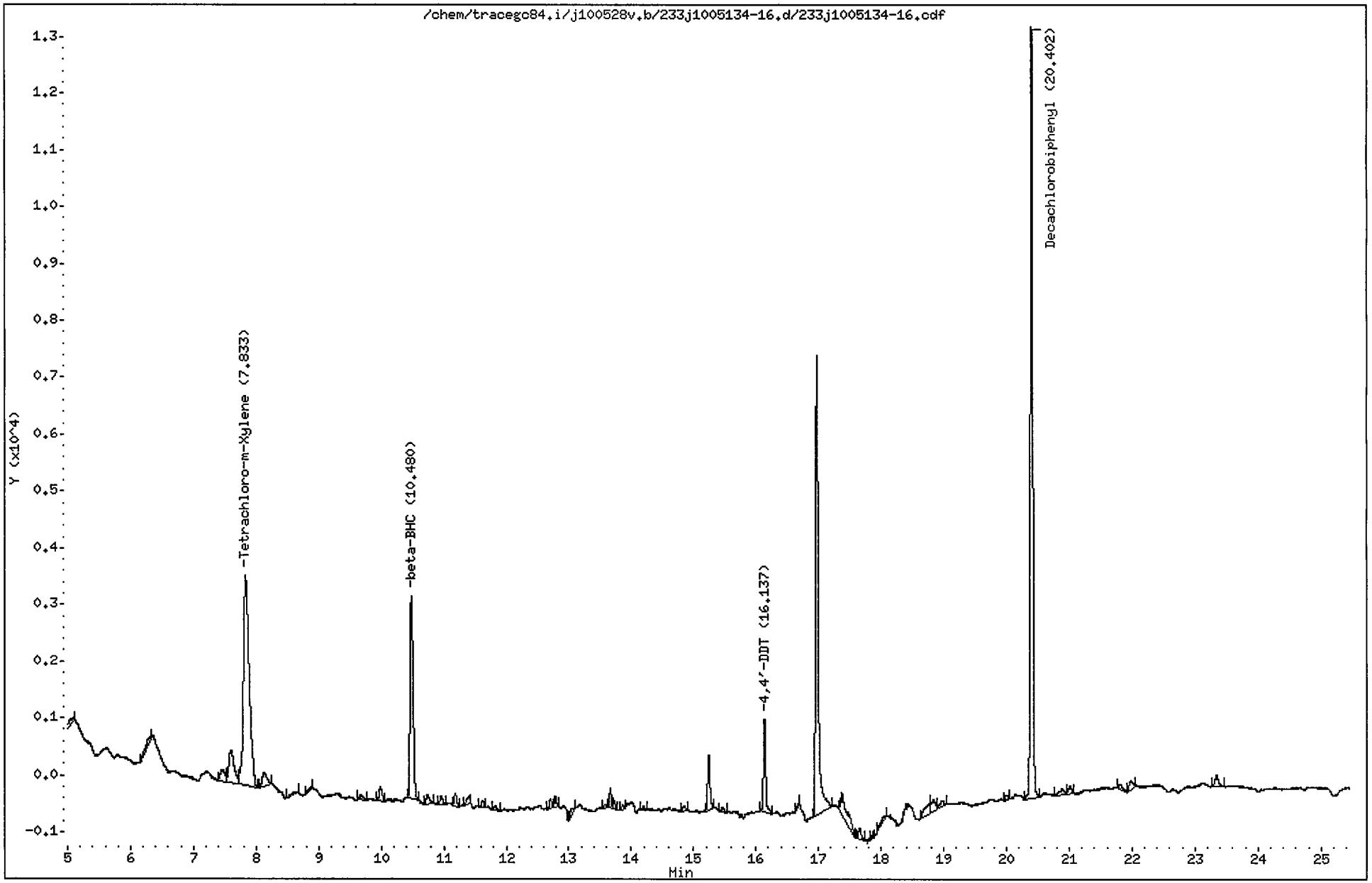
Sample Info: 1005134-16

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-16 Client Smp Id : SB12-2-3
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 08:16 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528v.b/8081A_clpestv6.m
Misc. Info : SB12-2-3

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 11(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.49		9508								
2.10		60937								
3.04		12383								
3.70		36451								
4.56		11287								
5.05		421								
6.30		530								
7.46		1117								
7.60		3531								
7.83	7.77 7.91	23569	522758	Tetrachloro-m-Xylene	0.045086	8.443055		75.1	70 - 125	
8.13		1231								
8.61		305								
8.87		155								
9.68		312								
9.98		835								
10.48	10.34 10.48	12031	300532	beta-BHC	0.040029	7.496058	0.956180			
10.73		593								
10.95		442								
11.19		620								
11.37		425								
11.62		307								
11.82		318								
12.71		415								
12.78		390								
13.09		329								
13.59		172								
13.66		756								
13.72		335								
13.86		162								
14.20		128								
14.85		291								
15.24		2557								
15.46		247								
16.14	16.08 16.22	4052	454781	4,4'-DDT	0.008910	1.668498	3.707865			J
16.68		160								
16.97		23901								
17.37		2719								

KEK 6/9/10

CompuChem

Lab Smp Id : 1005134-16 Client Smp Id : SB12-2-3
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 08:16 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528v.b/8081A_clpestv6.m
Misc. Info : SB12-2-3

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 11(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
17.66		550								
17.87		206								
18.06		445								
18.78		1178								
18.84		972								
18.98		452								
20.00		185								
20.40	20.33 20.47	35645	408350	Decachlorobiphenyl	0.087288	16.34604		72.7	55 - 130	
20.89		583								
21.01		447								
21.80		362								
21.98		588								
23.34		765								

Data File: /chem/tracegc84.i/j100528v_2C.b/233j1005134-16.d

Date : 05-JUN-2010 08:16

Client ID: SB12-2-3

Instrument: tracegc84.i

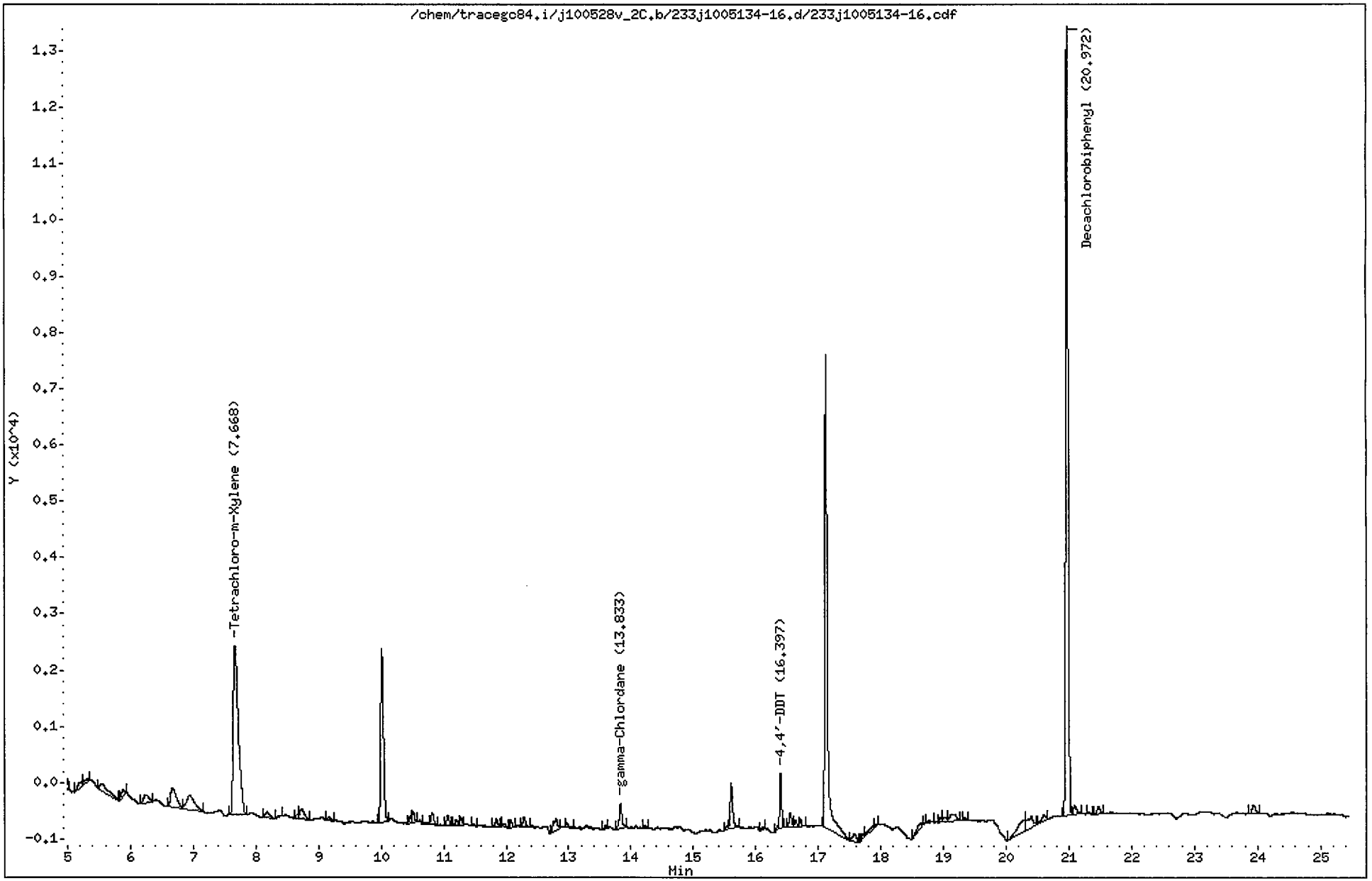
Sample Info: 1005134-16

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-16 Client Smp Id : SB12-2-3
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 08:16 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528v_2C.b/8081A_clpest2v6.m
Misc. Info : SB12-2-3

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 11(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.90			52496								
3.01			2149								
4.11			243								
4.13			95								
4.82			1393								
5.21			386								
5.32			283								
5.54			1152								
5.89			379								
6.25			885								
6.67			2246								
6.93			2348								
7.67	7.61	7.75	17175	416798	Tetrachloro-m-Xylene	0.041207	7.716678		68.7*	70 - 125	R
8.17			533								
8.39			123								
8.68			235								
8.73			830								
9.16			195								
10.01			9506								
10.46			263								
10.51			517								
10.71			108								
10.81			616								
11.06			501								
11.20			277								
11.27			339								
11.48			96								
11.84			350								
11.96			133								
12.07			296								
12.28			570								
12.80			983								
12.97			187								
13.59			116								
13.83	13.71	13.85	1263	513150	gamma-Chlordane	0.002459	0.460547	1.910112			J
14.22			127								
15.54			94								

CompuChem

Lab Smp Id : 1005134-16 Client Smp Id : SB12-2-3
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 08:16 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528v_2C.b/8081A_clpest2v6.m
Misc. Info : SB12-2-3

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 11(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
15.61		2068								
16.12		103								
16.34		99								
16.40	16.33 16.47	1959	405929	4,4'-DDT	0.004824	0.903278	3.707865			J
16.55		686								
16.64		289								
16.72		284								
17.12		23308								
17.58		610								
17.71		243								
17.86		424								
17.93		93								
18.64		458								
18.77		141								
18.95		243								
19.02		269								
19.14		791								
19.34		144								
20.30		1899								
20.40		1403								
20.60		388								
20.97	20.90 21.04	36083	406698	Decachlorobiphenyl	0.088722	16.61460		73.9	55 - 130	
21.10		556								
21.32		104								
21.47		421								
23.94		583								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB31-5-6

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 17 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	2.0	U
319-84-6	alpha-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
72-54-8	4,4'-DDD	4.0	U
72-55-9	4,4'-DDE	4.0	U
50-29-3	4,4'-DDT	4.0	U
60-57-1	Dieldrin	4.0	U
959-98-8	Endosulfan I	2.0	U
33213-65-9	Endosulfan II	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
72-20-8	Endrin	4.0	U
7421-93-4	Endrin Aldehyde	4.0	U
76-44-8	Heptachlor	2.0	U
1024-57-3	Heptachlor Epoxide	2.0	U
72-43-5	Methoxychlor	20	U
8001-35-2	Toxaphene	100	U
53494-70-5	Endrin Ketone	4.0	U
5103-74-2	gamma-Chlordane	2.0	U
5103-71-9	alpha-Chlordane	2.0	U

FORM I PEST

Data File: /chem/tracegc84.i/j100528u.b/221j1005134-08.d

Page 1

Date : 05-JUN-2010 02:29

Client ID: SB31-5-6

Instrument: tracegc84.i

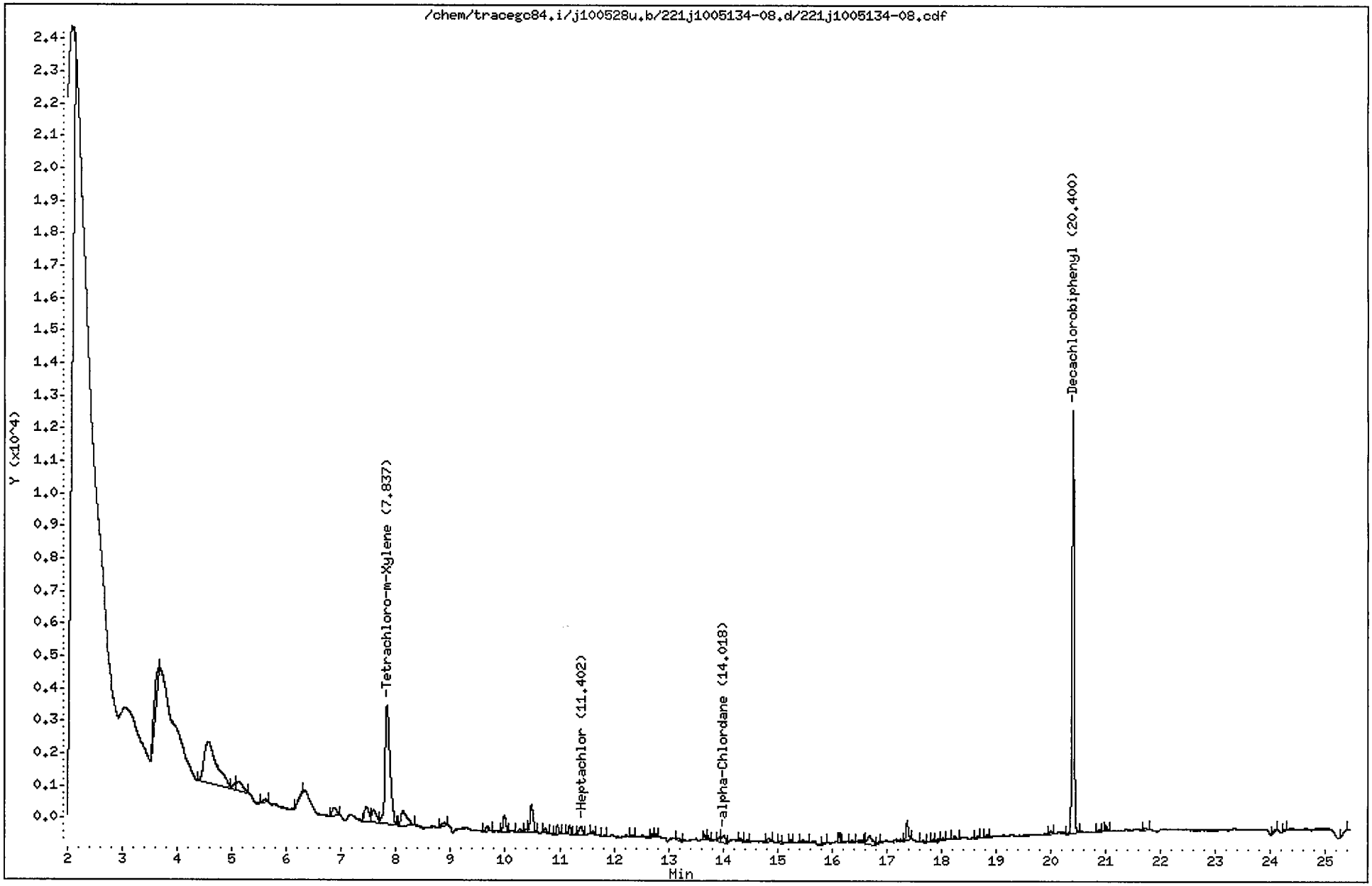
Sample Info: 1005134-08

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-08 Client Smp Id : SB31-5-6
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 02:29 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528u.b/8081A_clpestv6.m
Misc. Info : SB31-5-6

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 17(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
2.08			82892								
3.66			5260								
4.56			21156								
5.04			753								
5.11			2397								
5.59			320								
6.28			306								
6.86			1306								
7.46			2751								
7.59			2393								
7.84	7.77	7.91	23290	522758	Tetrachloro-m-Xylene	0.044552	8.946226		74.3	70 - 125	
8.13			3316								
8.88			458								
9.67			625								
9.99			1738								
10.27			376								
10.39			401								
10.48			3322								
10.74			469								
10.96			845								
11.19			827								
11.40	11.29	11.43	1176	695465	Heptachlor	0.001690	0.339260	2.048193			J
11.61			321								
11.82			149								
12.34			196								
12.71			240								
12.78			218								
13.18			309								
13.66			427								
13.73			339								
13.93			423								
14.02	14.00	14.14	969	516712	alpha-Chlordane	0.001873	0.376181	2.048193			J
14.32			283								
14.43			189								
14.83			377								
15.06			169								
15.24			259								

6/9/10

CompuChem

Lab Smp Id : 1005134-08 Client Smp Id : SB31-5-6
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 02:29 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528u.b/8081A_clpestv6.m
Misc. Info : SB31-5-6

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 17(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
15.46		318								
15.88		153								
16.14		674								
16.37		324								
16.61		177								
16.69		1698								
16.85		129								
17.38		1696								
17.66		196								
17.85		144								
18.04		173								
18.23		311								
18.66		142								
18.84		211								
20.00		204								
20.40	20.33 20.47	34002	408350	Decachlorobiphenyl	0.083267	16.72024		69.4	55 - 130	
20.89		193								
21.01		462								
21.72		213								
24.11		250								
24.28		145								
25.39		226								

Data File: /chem/tracegc84.i/j100528u_2C.b/221j1005134-08.d

Date : 05-JUN-2010 02:29

Client ID: SB31-5-6

Instrument: tracegc84.i

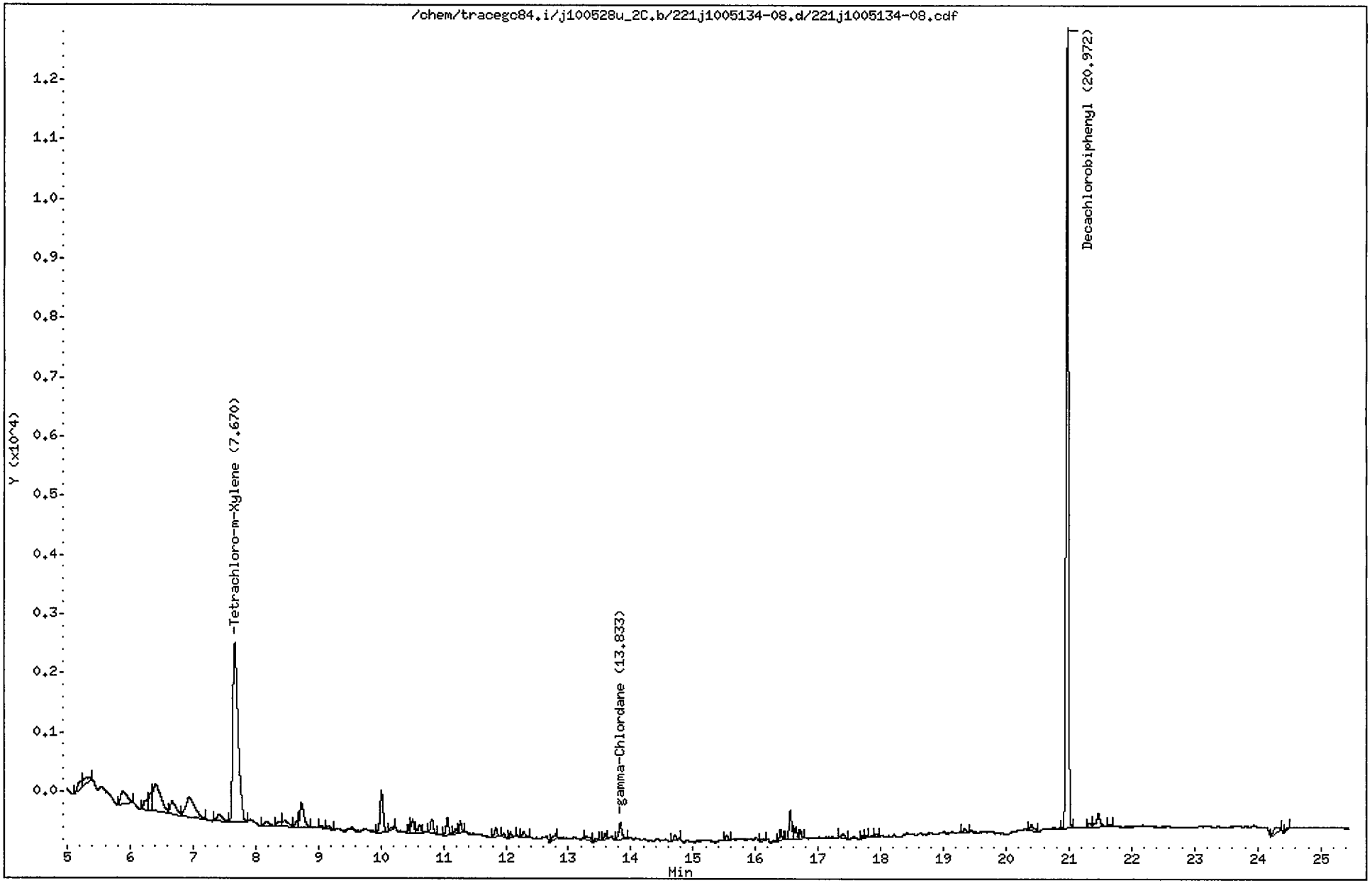
Sample Info: 1005134-08

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-08 Client Smp Id : SB31-5-6
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 02:29 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528u_2C.b/8081A_clpest2v6.m
Misc. Info : SB31-5-6

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 17(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.90			821164								
3.02			95918								
4.13			377								
4.80			353								
5.21			559								
5.31			635								
5.88			1586								
6.26			698								
6.34			1081								
6.41			3986								
6.67			1398								
6.94			3299								
7.42			586								
7.67	7.61	7.75	17370	416798	Tetrachloro-m-Xylene	0.041673	8.367975		69.5*	70 - 125	R
8.17			417								
8.39			359								
8.46			674								
8.66			357								
8.73			1835								
9.05			153								
9.15			246								
10.01			2321								
10.17			222								
10.46			303								
10.51			677								
10.62			495								
10.81			739								
11.06			845								
11.20			258								
11.27			489								
11.84			427								
11.96			151								
12.07			221								
12.28			392								
12.76			365								
13.29			310								
13.46			159								

KEH 6/9/10

CompuChem

Lab Smp Id : 1005134-08 Client Smp Id : SB31-5-6
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 02:29 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528u_2C.b/8081A_clpest2v6.m
Misc. Info : SB31-5-6

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 17(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
13.59		228								
13.83	13.71 13.85	1037	513150	gamma-Chlordane	0.002021	0.405793	2.048193			J
14.71		286								
15.53		237								
16.11		96								
16.40		395								
16.55		1455								
16.64		510								
16.72		324								
17.40		257								
17.71		151								
17.77		99								
17.93		137								
19.34		192								
20.40		377								
20.97	20.90 21.04	34773	406698	Decachlorobiphenyl	0.085501	17.16885		71.3	55 - 130	
21.33		195								
21.47		947								
21.64		99								
24.32		574								
24.50		103								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB32-2.5-3.5

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-12

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 7 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.8	U
319-85-7	beta-BHC	1.8	U
319-84-6	alpha-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
72-54-8	4,4'-DDD	3.5	U
72-55-9	4,4'-DDE	3.5	U
50-29-3	4,4'-DDT	0.67	J
60-57-1	Dieldrin	3.5	U
959-98-8	Endosulfan I	1.8	U
33213-65-9	Endosulfan II	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
72-20-8	Endrin	3.5	U
7421-93-4	Endrin Aldehyde	3.5	U
76-44-8	Heptachlor	1.8	U
1024-57-3	Heptachlor Epoxide	1.8	U
72-43-5	Methoxychlor	18	U
8001-35-2	Toxaphene	89	U
53494-70-5	Endrin Ketone	3.5	U
5103-74-2	gamma-Chlordane	1.8	U
5103-71-9	alpha-Chlordane	1.8	U

Data File: /chem/tracegc84.i/j100528v.b/229j1005134-12.d

Page 1

Date : 05-JUN-2010 06:20

Client ID: SB32-2.5-3.5

Instrument: tracegc84.i

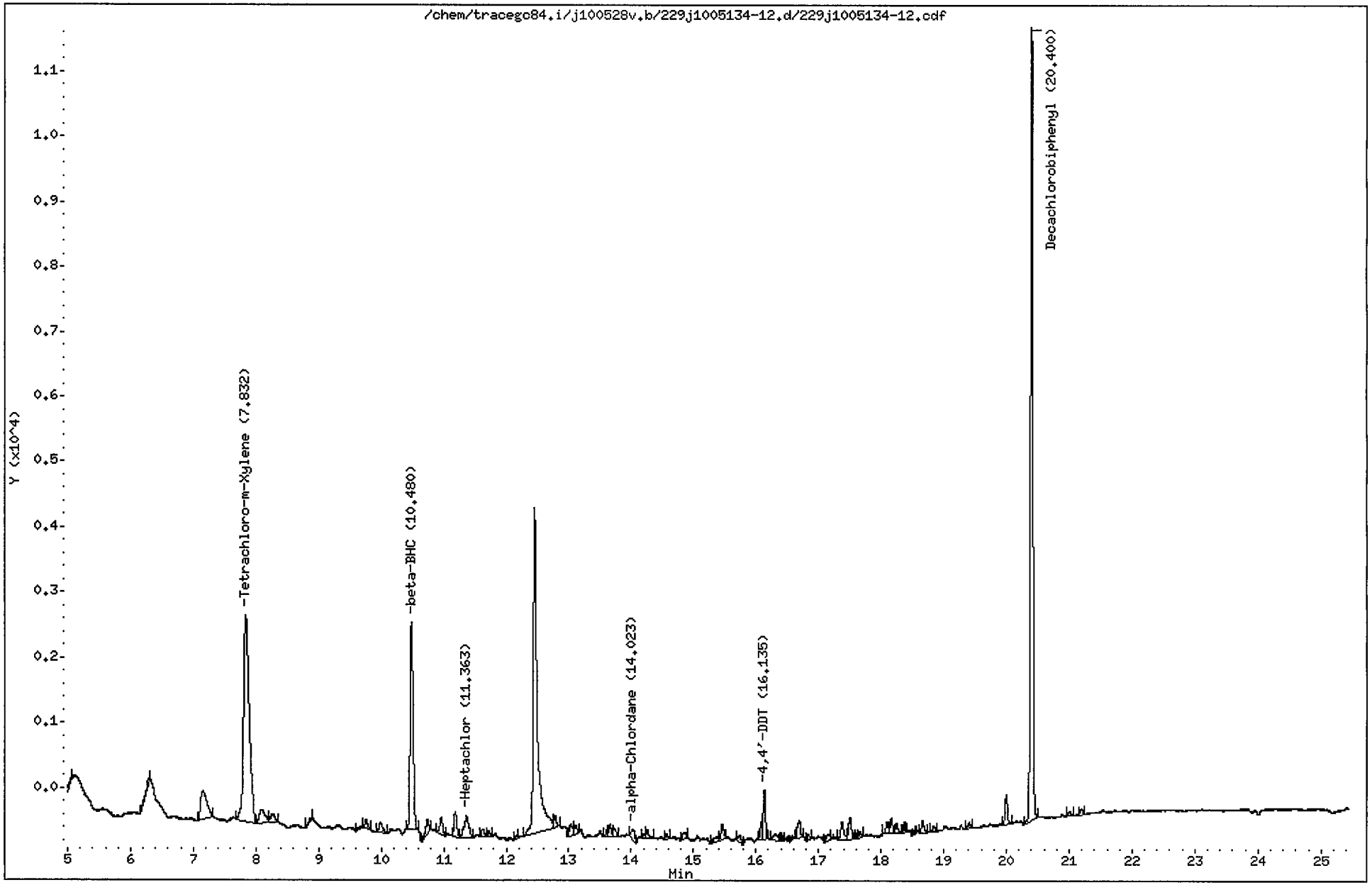
Sample Info: 1005134-12

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-12 Client Smp Id : SB32-2.5-3.5
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 06:20 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528v.b/8081A_clpestv6.m
Misc. Info : SB32-2.5-3.5

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 7(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.48		14348								
1.67		250								
2.09		30543								
3.66		26569								
4.55		2202								
5.06		128								
6.29		419								
7.15		3117								
7.83	7.77 7.91	19973	522758	Tetrachloro-m-Xylene	0.038205	6.846791		63.7*	70 - 125	R
8.09		1488								
8.27		640								
8.87		141								
9.66		123								
9.76		393								
9.99		626								
10.48	10.34 10.48	10679	300532	beta-BHC	0.035530	6.367431	0.915054			
10.74		821								
10.96		796								
11.18		1151								
11.36	11.29 11.43	1701	695465	Heptachlor	0.002444	0.438066	1.827957			J
11.62		380								
11.71		223								
12.16		127								
12.45		22490								
12.78		503								
13.03		530								
13.11		428								
13.61		230								
13.66		495								
13.73		448								
14.02	14.00 14.14	589	516712	alpha-Chlordane	0.001140	0.204283	1.827957			J
14.20		161								
14.26		344								
14.57		157								
14.83		378								
15.35		402								
15.47		708								

6/9/10

CompuChem

Lab Smp Id : 1005134-12 Client Smp Id : SB32-2.5-3.5
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 06:20 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528v.b/8081A_clpestv6.m
Misc. Info : SB32-2.5-3.5

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 7(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
15.73		331								
16.09		548								
16.14	16.08 16.22	1938	454781	4,4'-DDT	0.004259	0.763296	3.548387			J
16.32		507								
16.41		173								
16.69		939								
16.84		213								
17.14		430								
17.38		1028								
17.50		1191								
17.66		262								
18.09		466								
18.16		538								
18.25		387								
18.37		287								
18.66		512								
18.83		298								
19.41		253								
20.00		1152								
20.40	20.33 20.47	31207	408350	Decachlorobiphenyl	0.076422	13.69573		63.7	55 - 130	
21.01		199								
21.20		218								

Data File: /chem/tracegc84.i/j100528v_2C.b/229j1005134-12.d

Date : 05-JUN-2010 06:20

Client ID: SB32-2.5-3.5

Instrument: tracegc84.i

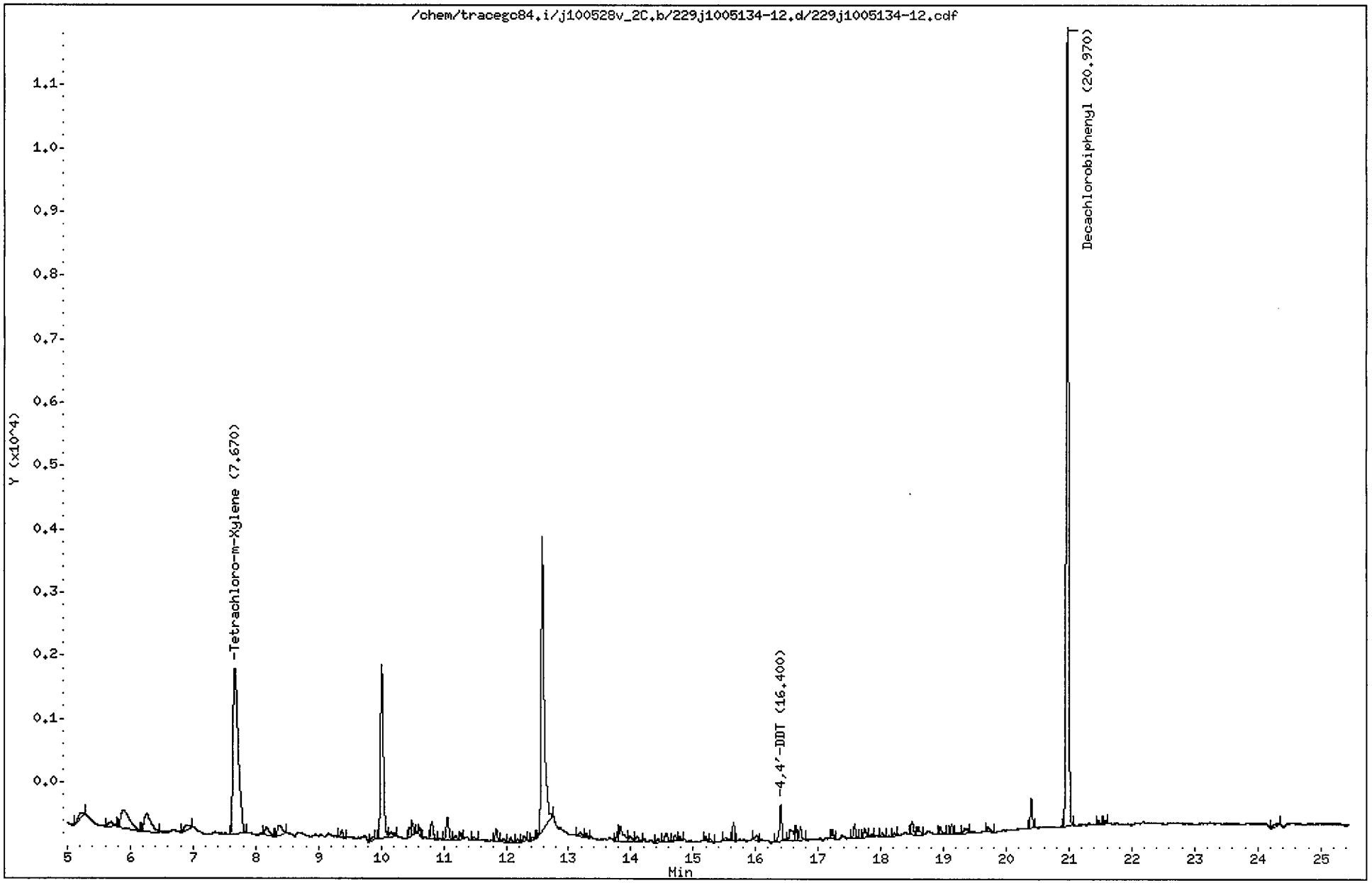
Sample Info: 1005134-12

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-12 Client Smp Id : SB32-2.5-3.5
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 06:20 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528v_2C.b/8081A_clpest2v6.m
Misc. Info : SB32-2.5-3.5

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 7(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.91			460589								
3.03			20270								
4.11			448								
4.79			1172								
5.25			412								
5.69			348								
5.88			2692								
6.26			2076								
6.91			378								
7.67	7.61	7.75	15184	416798	Tetrachloro-m-Xylene	0.036430	6.528703		60.7*	70 - 125	R
8.16			549								
8.37			761								
9.37			297								
9.87			123								
10.01			8599								
10.16			324								
10.46			340								
10.51			419								
10.62			227								
10.81			771								
11.06			1108								
11.20			230								
11.28			251								
11.48			188								
11.84			468								
11.96			199								
12.07			196								
12.18			142								
12.29			276								
12.43			148								
12.58			16083								
13.19			224								
13.28			181								
13.79			321								
13.83			1005								
13.99			281								
14.10			274								

KEH 6/9/10

CompuChem

Lab Smp Id : 1005134-12 Client Smp Id : SB32-2.5-3.5
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 06:20 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528v_2C.b/8081A_clpest2v6.m
Misc. Info : SB32-2.5-3.5

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 7(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
14.43		161								
14.56		461								
14.71		225								
14.79		159								
15.20		146								
15.28		130								
15.51		190								
15.64		643								
16.02		269								
16.40	16.33 16.47	1511	405929	4,4'-DDT	0.003722	0.667084	3.548387			J
16.55		767								
16.64		551								
16.71		531								
17.22		304								
17.58		490								
17.74		457								
17.86		141								
18.02		124								
18.22		91								
18.49		543								
18.59		349								
18.95		290								
19.13		340								
19.34		291								
19.72		319								
20.40		1012								
20.97	20.90 21.04	32077	406698	Decachlorobiphenyl	0.078872	14.13475		65.7	55 - 130	
21.47		172								
21.58		133								
24.32		161								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB32D-2.5-3.5

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-13

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 9 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.9	U
319-85-7	beta-BHC	1.9	U
319-84-6	alpha-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
72-54-8	4,4'-DDD	3.6	U
72-55-9	4,4'-DDE	3.6	U
50-29-3	4,4'-DDT	3.6	U
60-57-1	Dieldrin	3.6	U
959-98-8	Endosulfan I	1.9	U
33213-65-9	Endosulfan II	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
72-20-8	Endrin	3.6	U
7421-93-4	Endrin Aldehyde	3.6	U
76-44-8	Heptachlor	1.9	U
1024-57-3	Heptachlor Epoxide	1.9	U
72-43-5	Methoxychlor	19	U
8001-35-2	Toxaphene	91	U
53494-70-5	Endrin Ketone	3.6	U
5103-74-2	gamma-Chlordane	1.9	U
5103-71-9	alpha-Chlordane	1.9	U

Data File: /chem/tracegc84.i/j100528v.b/230j1005134-13.d

Page 1

Date : 05-JUN-2010 06:49

Client ID: SB32D-2.5-3.5

Instrument: tracegc84.i

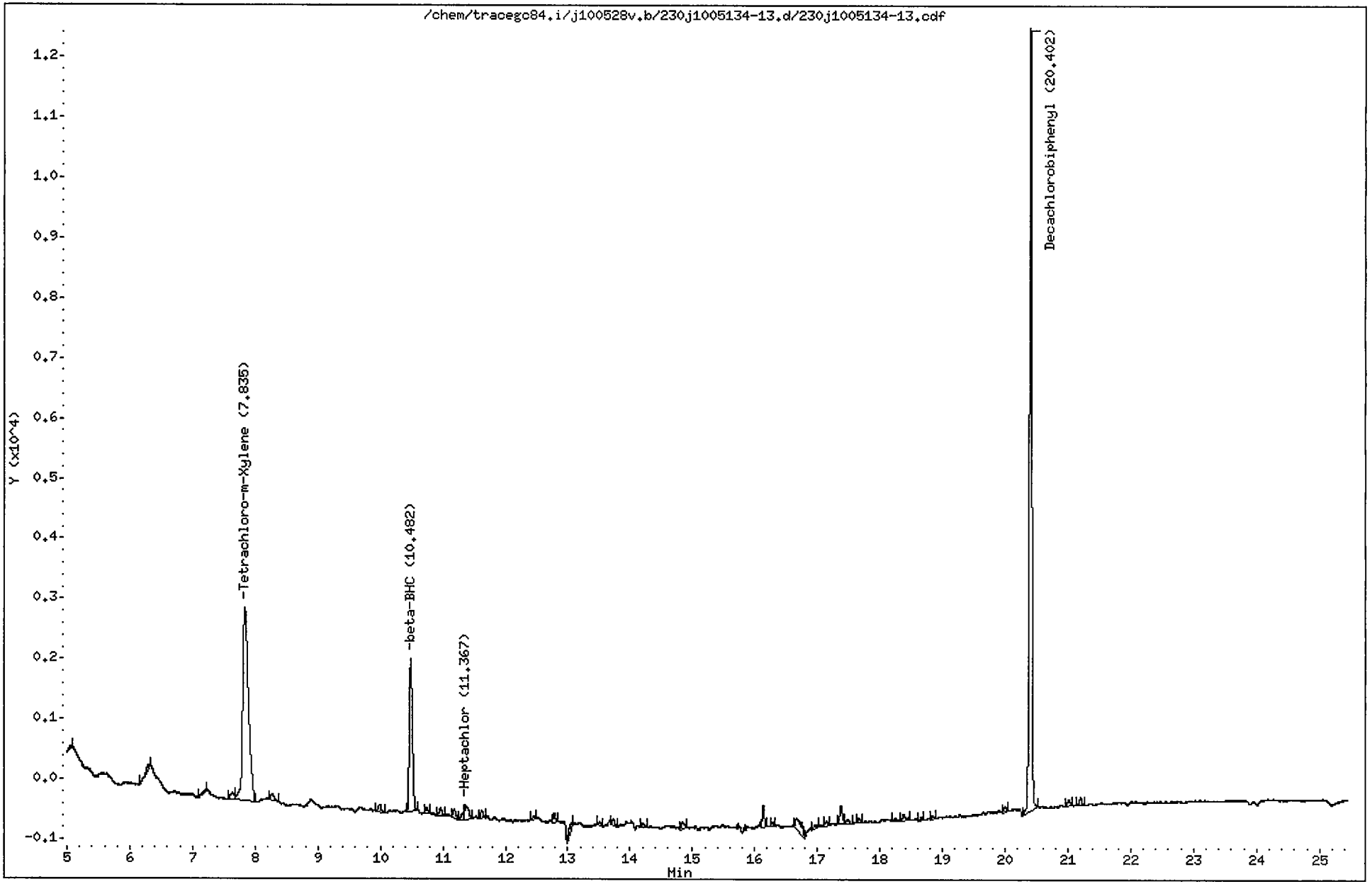
Sample Info: 1005134-13

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-13 Client Smp Id : SB32D-2.5-3.5
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 06:49 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528v.b/8081A_clpestv6.m
Misc. Info : SB32D-2.5-3.5

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 9(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.48		14537								
2.10		39735								
3.06		9419								
3.67		69631								
4.55		436								
5.04		130								
6.30		368								
7.21		164								
7.63		532								
7.84	7.77 7.91	20415	522758	Tetrachloro-m-Xylene	0.039051	7.152127		65.1*	70 - 125	R
8.26		451								
9.99		418								
10.48	10.34 10.48	8634	300532	beta-BHC	0.028726	5.261113	0.935165			
10.74		270								
10.96		401								
11.18		477								
11.32		294								
11.37	11.29 11.43	1004	695465	Heptachlor	0.001442	0.264139	1.868132			J
11.62		331								
12.46		157								
12.78		352								
13.06		353								
13.50		142								
13.73		268								
14.21		214								
14.84		369								
16.14		865								
16.28		168								
16.67		1345								
16.98		175								
17.14		200								
17.38		899								
17.48		263								
17.66		158								
18.24		157								
18.38		378								
18.66		150								

6/9/10

CompuChem

Lab Smp Id : 1005134-13 Client Smp Id : SB32D-2.5-3.5
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 06:49 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528v.b/8081A_clpestv6.m
Misc. Info : SB32D-2.5-3.5

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 9(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
18.84		144								
20.00		210								
20.40	20.33 20.47	34031	408350	Decachlorobiphenyl	0.083335	15.26289		69.4	55 - 130	
21.01		341								
21.20		362								

Data File: /chem/tracegc84.i/j100528v_2C.b/230j1005134-13.d

Date : 05-JUN-2010 06:49

Client ID: SB32D-2.5-3.5

Instrument: tracegc84.i

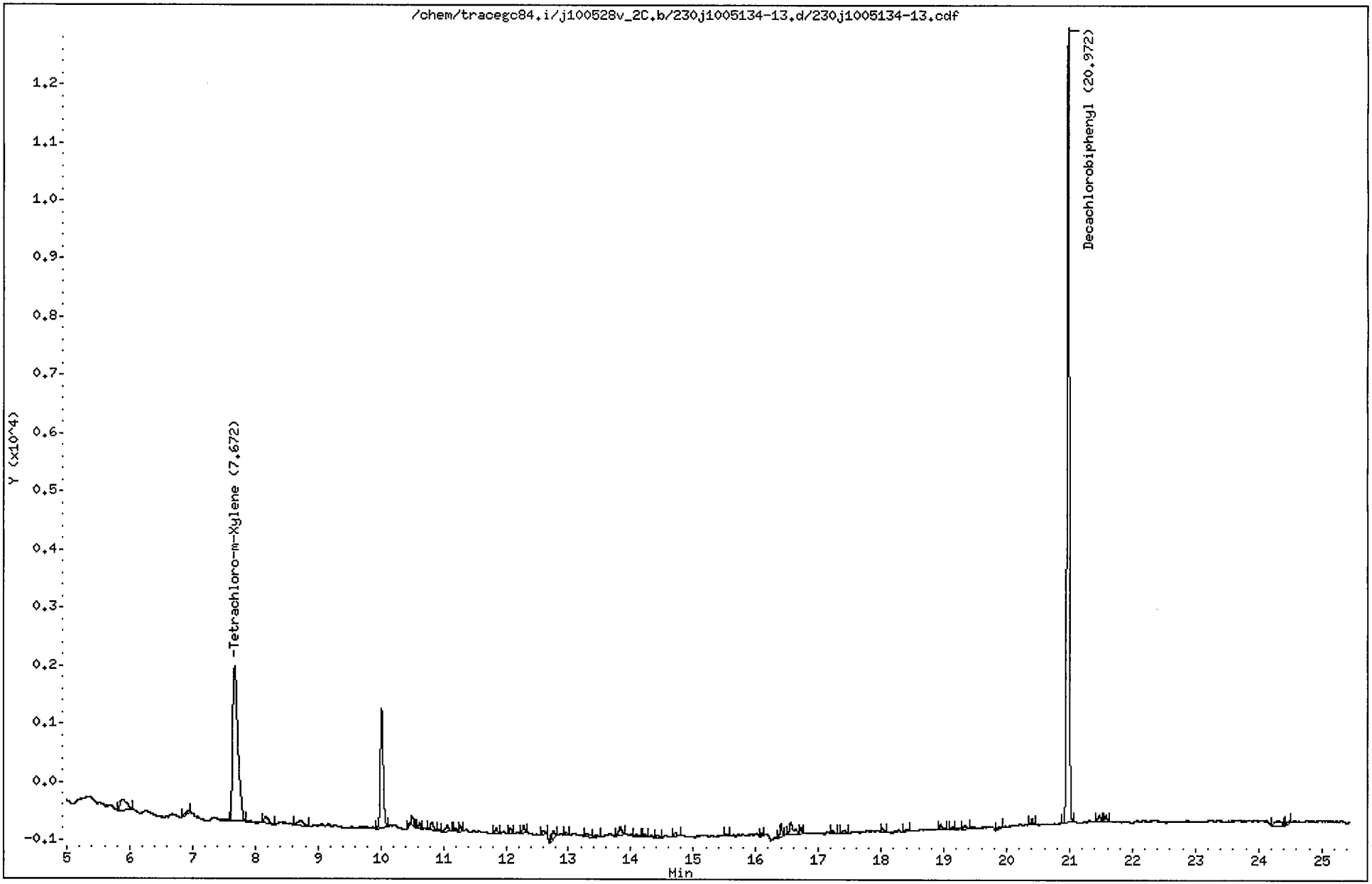
Sample Info: 1005134-13

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-13 Client Smp Id : SB32D-2.5-3.5
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 06:49 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528v_2C.b/8081A_clpest2v6.m
Misc. Info : SB32D-2.5-3.5

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 9(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.91			583215								
3.03			84625								
4.10			127								
5.88			1305								
6.94			182								
7.67	7.61	7.75	15417	416798	Tetrachloro-m-Xylene	0.036989	6.774576		61.6*	70 - 125	R
8.16			552								
8.72			595								
10.01			6533								
10.46			97								
10.51			342								
10.62			225								
10.82			441								
11.06			388								
11.21			148								
11.27			210								
11.85			221								
12.07			234								
12.28			355								
12.60			177								
12.76			480								
12.97			100								
13.30			260								
13.44			99								
13.83			479								
14.09			155								
14.22			116								
14.43			176								
14.71			186								
15.53			103								
16.09			91								
16.40			501								
16.56			902								
16.72			234								
17.23			114								
17.41			174								
18.03			130								

CompuChem

Lab Smp Id : 1005134-13 Client Smp Id : SB32D-2.5-3.5
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 06:49 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528v_2C.b/8081A_clpest2v6.m
Misc. Info : SB32D-2.5-3.5

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 9(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
18.40		99								
18.95		263								
19.13		100								
19.34		215								
19.90		119								
20.40		213								
20.97	20.90 21.04	34742	406698	Decachlorobiphenyl	0.085422	15.64509		71.2	55 - 130	
21.47		294								
21.58		268								
24.32		631								
24.48		97								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB33-4-5

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 11 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.9	U
319-85-7	beta-BHC	1.9	U
319-84-6	alpha-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
72-54-8	4,4'-DDD	3.7	U
72-55-9	4,4'-DDE	0.56	J
50-29-3	4,4'-DDT	3.7	U
60-57-1	Dieldrin	3.7	U
959-98-8	Endosulfan I	1.9	U
33213-65-9	Endosulfan II	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
72-20-8	Endrin	3.7	U
7421-93-4	Endrin Aldehyde	3.7	U
76-44-8	Heptachlor	1.9	U
1024-57-3	Heptachlor Epoxide	1.9	U
72-43-5	Methoxychlor	19	U
8001-35-2	Toxaphene	93	U
53494-70-5	Endrin Ketone	3.7	U
5103-74-2	gamma-Chlordane	1.9	U
5103-71-9	alpha-Chlordane	1.9	U

Data File: /chem/tracegc84.i/j100528u.b/220j1005134-07.d

Page 1

Date : 05-JUN-2010 02:00

Client ID: SB33-4-5

Instrument: tracegc84.i

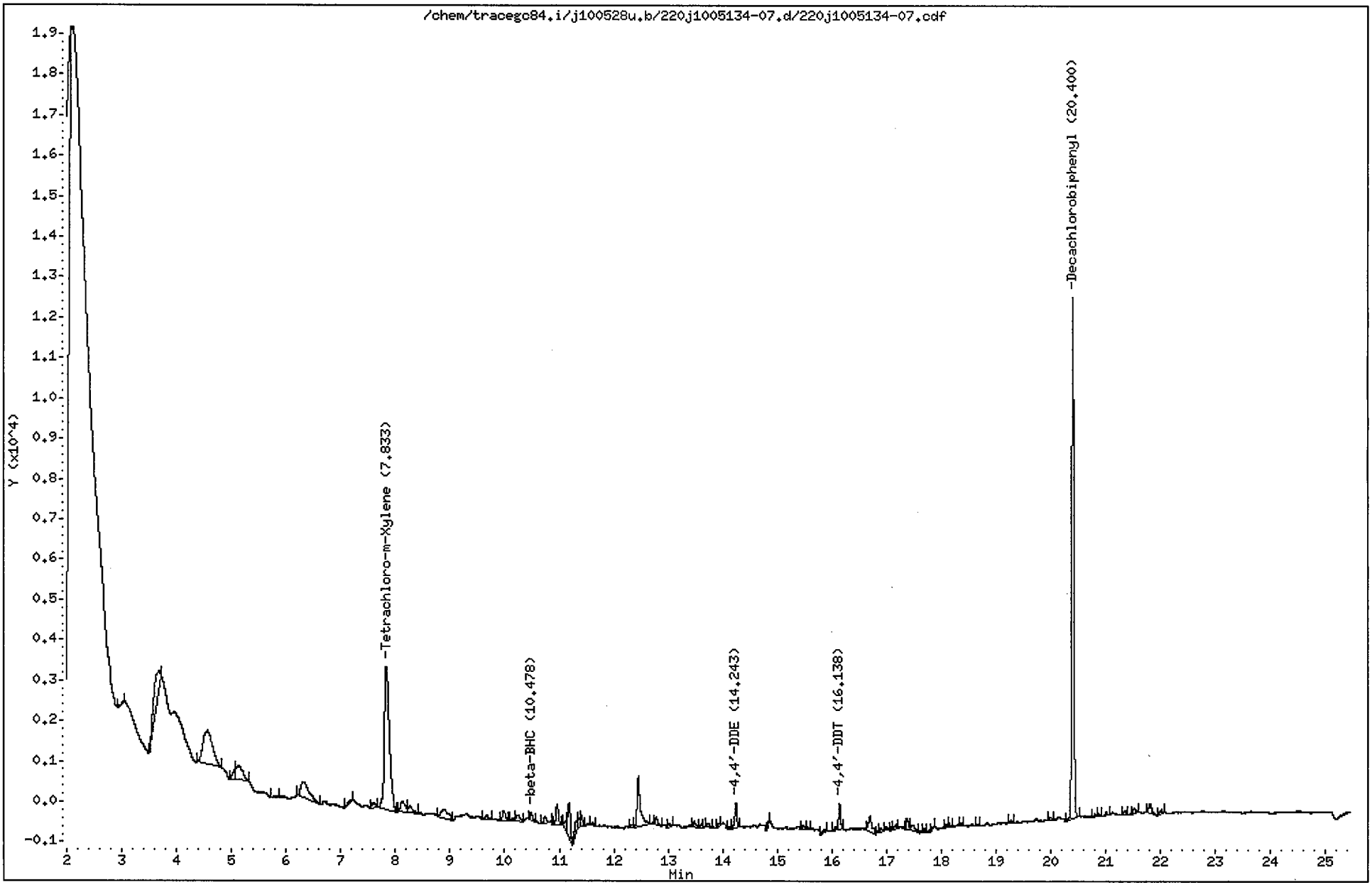
Sample Info: 1005134-07

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-07 Client Smp Id : SB33-4-5
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 02:00 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528u.b/8081A_clpestv6.m
Misc. Info : SB33-4-5

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 11(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.48		8362								
2.08		23276								
3.03		200								
3.67		5664								
4.56		10032								
5.05		814								
5.14		3147								
5.78		184								
6.30		4401								
7.21		375								
7.59		549								
7.83	7.77 7.91	22593	522758	Tetrachloro-m-Xylene	0.043217	8.093067		72.0	70 - 125	
8.12		1624								
8.26		885								
8.88		1948								
9.67		412								
9.98		904								
10.15		226								
10.24		770								
10.48	10.34 10.48	659	300532	beta-BHC	0.002189	0.410009	1.910112			J
10.73		587								
10.96		1532								
11.12		502								
11.18		3270								
11.32		979								
11.36		519								
11.40		772								
11.61		192								
12.32		196								
12.45		5329								
12.78		556								
13.03		261								
13.47		431								
13.61		212								
13.73		319								
13.94		122								
14.12		206								

TAJ 7/7/10

CompuChem

Lab Smp Id : 1005134-07 Client Smp Id : SB33-4-5
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 02:00 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528u.b/8081A_clpestv6.m
Misc. Info : SB33-4-5

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 11(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
14.24	14.19 14.33	1692	523741	4,4'-DDE	0.003231	0.604982	3.707865			J
14.85		147								
15.47		290								
15.54		183								
15.83		274								
16.07		190								
16.14	16.08 16.22	1511	454781	4,4'-DDT	0.003320	0.621775	3.707865			J
16.70		1707								
16.89		240								
17.09		125								
17.17		348								
17.38		861								
17.48		652								
17.68		257								
17.85		157								
18.09		190								
18.14		277								
18.37		164								
18.66		124								
19.28		170								
20.00		207								
20.40	20.33 20.47	33745	408350	Decachlorobiphenyl	0.082637	15.47518		68.9	55 - 130	
20.81		147								
20.89		122								
21.02		261								
21.35		298								
21.52		419								
21.81		994								
22.01		317								

Data File: /chem/tracegc84.i/j100528u_2C.b/220j1005134-07.d

Page 1

Date : 05-JUN-2010 02:00

Client ID: SB33-4-5

Instrument: tracegc84.i

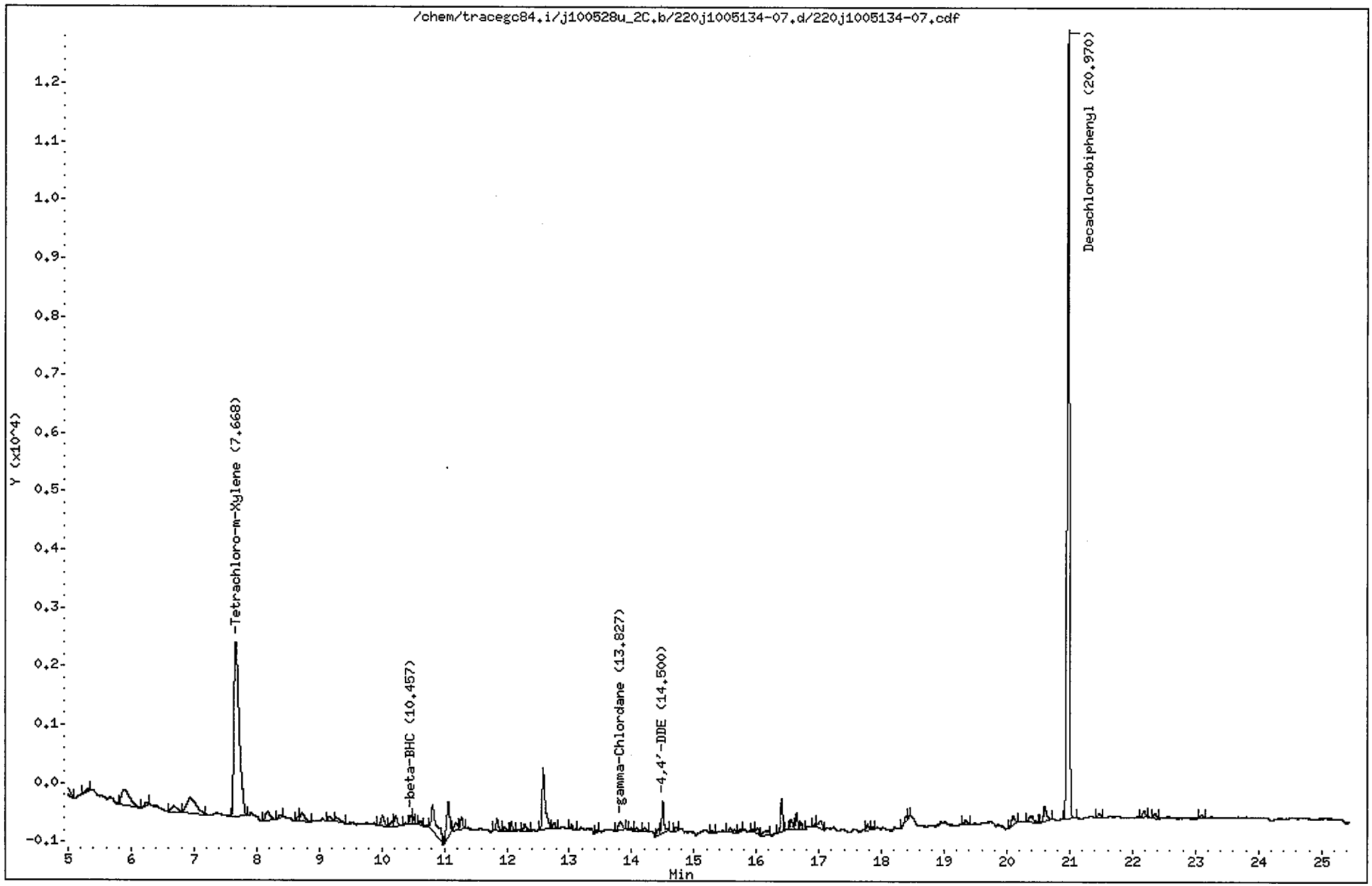
Sample Info: 1005134-07

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-07 Client Smp Id : SB33-4-5
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 02:00 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528u_2C.b/8081A_clpest2v6.m
Misc. Info : SB33-4-5

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 11(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.90			646305								
3.03			75952								
4.17			368								
4.82			2389								
5.31			138								
5.88			2466								
6.25			225								
6.67			757								
6.93			2875								
7.67	7.61	7.75	17178	416798	Tetrachloro-m-Xylene	0.041212	7.717577		68.7*	70 - 125	R
8.18			811								
8.38			163								
8.67			253								
8.72			724								
9.16			303								
9.28			439								
10.01			664								
10.16			231								
10.22			559								
10.46			369								
10.50			266								
10.62			178								
10.81			2552								
11.06			2039								
11.19			443								
11.27			538								
11.84			520								
11.96			182								
12.07			305								
12.29			402								
12.58			3780								
12.76			329								
13.03			175								
13.45			99								
13.83	13.71	13.85	626	513150	gamma-Chlordane	0.001220	0.228449	1.910112			J
13.99			117								
14.08			176								

TAD 7/1/10

CompuChem

Lab Smp Id : 1005134-07 Client Smp Id : SB33-4-5
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 02:00 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528u_2C.b/8081A_clpest2v6.m
Misc. Info : SB33-4-5

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 11(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
14.21		194								
14.43		348								
14.50	14.43 14.57	1398	468602	4,4'-DDE	0.002983	0.558678	3.707865			J
14.71		137								
15.28		114								
15.58		351								
15.74		138								
15.94		113								
16.01		321								
16.16		446								
16.40		1211								
16.55		486								
16.64		601								
16.71		231								
16.94		127								
17.02		604								
17.77		318								
17.86		109								
18.39		195								
18.43		117								
19.34		241								
20.10		612								
20.40		530								
20.60		934								
20.97	20.90 21.04	34636	406698	Decachlorobiphenyl	0.085162	15.94786		71.0	55 - 130	
21.47		213								
22.18		328								
22.36		243								
23.10		187								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB43-3-4

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-20

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 7 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.8	U
319-85-7	beta-BHC	1.8	U
319-84-6	alpha-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
72-54-8	4,4'-DDD	3.5	U
72-55-9	4,4'-DDE	3.5	U
50-29-3	4,4'-DDT	0.58	J
60-57-1	Dieldrin	3.5	U
959-98-8	Endosulfan I	1.8	U
33213-65-9	Endosulfan II	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
72-20-8	Endrin	3.5	U
7421-93-4	Endrin Aldehyde	3.5	U
76-44-8	Heptachlor	1.8	U
1024-57-3	Heptachlor Epoxide	1.8	U
72-43-5	Methoxychlor	18	U
8001-35-2	Toxaphene	89	U
53494-70-5	Endrin Ketone	3.5	U
5103-74-2	gamma-Chlordane	1.8	U
5103-71-9	alpha-Chlordane	1.8	U

Data File: /chem/tracegc84.i/j100528v.b/237j1005134-20.d

Date : 05-JUN-2010 10:11

Client ID: SB43-3-4

Sample Info: 1005134-20

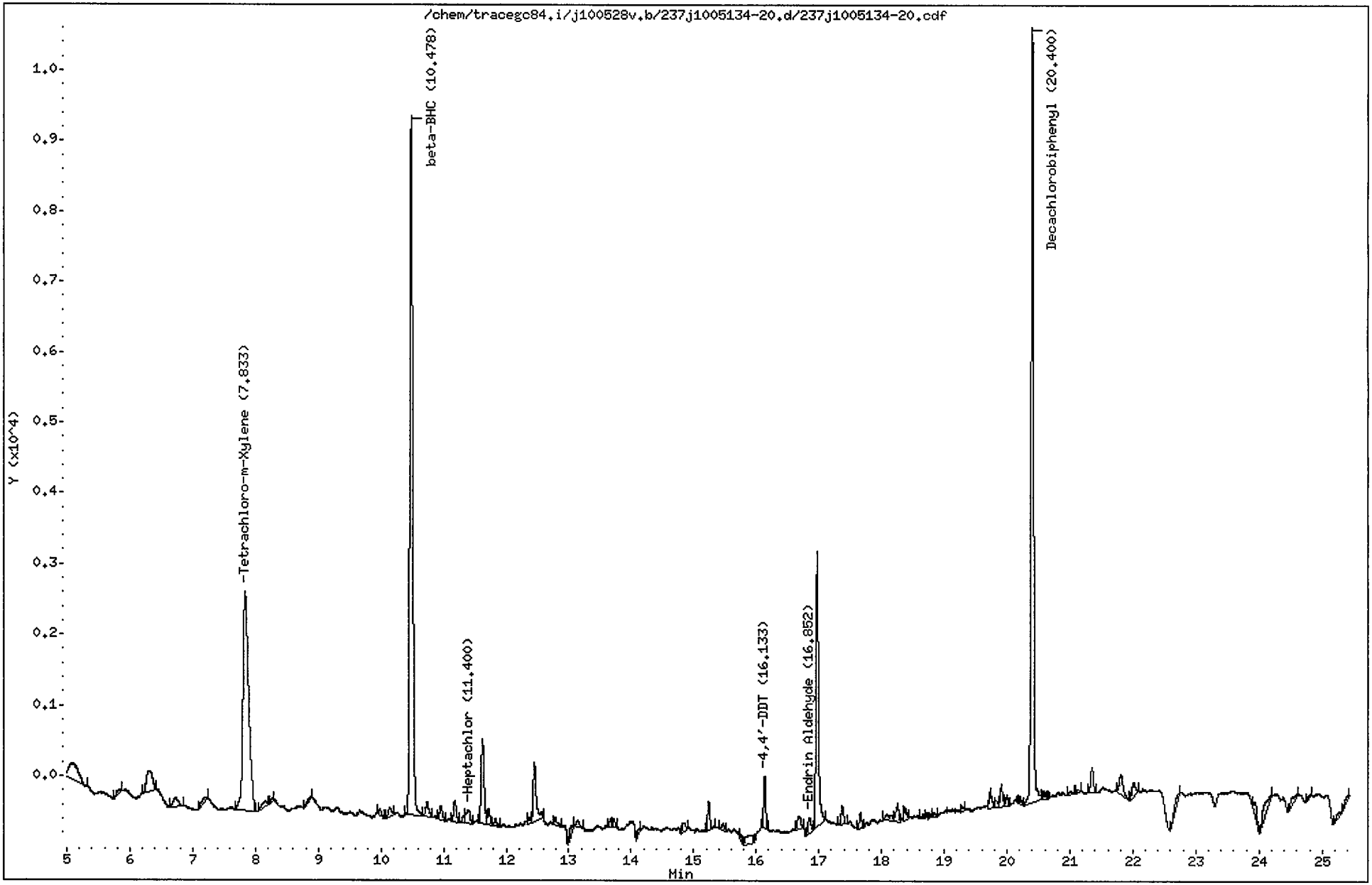
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-20 Client Smp Id : SB43-3-4
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 10:11 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528v.b/8081A_clpestv6.m
Misc. Info : SB43-3-4

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 7(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.47			9675								
1.69			1920								
2.08			30353								
3.05			286								
3.67			20314								
3.96			125								
4.53			241								
5.09			2741								
5.82			284								
6.32			1948								
6.72			679								
7.22			390								
7.83	7.77	7.91	19535	522758	Tetrachloro-m-Xylene	0.037369	6.696979		62.3*	70 - 125	R
8.16			490								
8.27			124								
8.87			241								
9.98			250								
10.14			417								
10.48	10.34	10.48	32686	300532	beta-BHC	0.108757	19.49049	0.915054			E
10.73			741								
10.96			595								
11.18			889								
11.32			241								
11.40	11.29	11.43	883	695465	Heptachlor	0.001268	0.227279	1.827957			J
11.62			3889								
11.71			579								
11.82			297								
12.37			229								
12.45			2934								
12.78			386								
13.05			401								
13.14			311								
13.66			253								
13.72			284								
14.12			151								
14.84			437								
15.24			1077								

KeH 6/9/10

CompuChem

Lab Smp Id : 1005134-20 Client Smp Id : SB43-3-4
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 10:11 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528v.b/8081A_clpestv6.m
Misc. Info : SB43-3-4

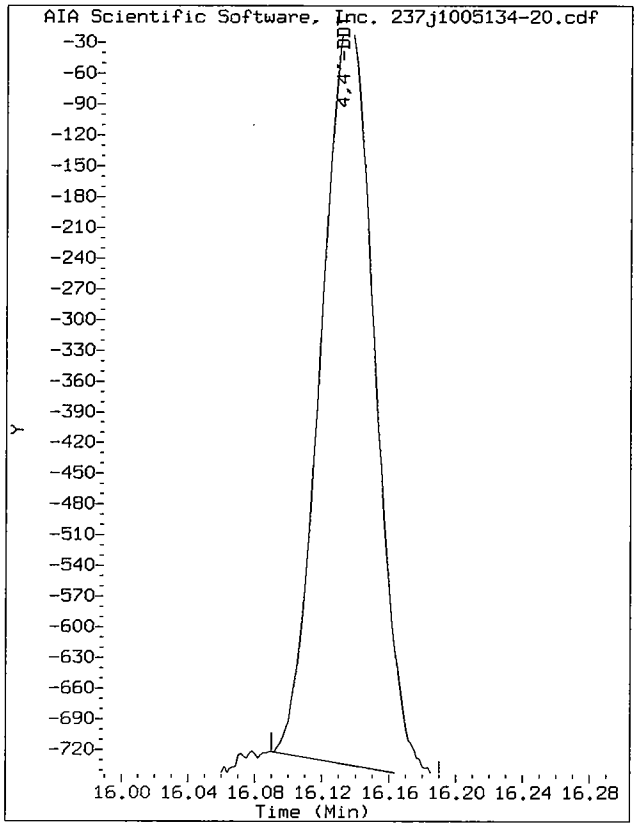
Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 7(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
15.47		274								
15.76		168								
15.89		886								
16.13	16.08 16.22	1631	454781	4,4'-DDT	0.003586	0.642713	3.548387			JM
16.68		683								
16.85	16.71 16.85	722	348470	Endrin Aldehyde	0.002069	0.370797	3.548387			J
16.97		10632								
17.37		715								
17.66		568								
18.08		553								
18.26		854								
18.37		480								
18.66		149								
18.84		154								
19.27		161								
19.74		788								
19.83		317								
19.91		795								
19.99		410								
20.20		243								
20.40	20.33 20.47	29647	408350	Decachlorobiphenyl	0.072599	13.01066		60.5	55 - 130	
20.57		329								
21.01		135								
21.12		121								
21.35		997								
21.81		1113								
22.01		710								
22.74		707								
23.93		572								
24.20		1383								
24.60		560								
24.81		198								
25.27		287								
25.42		306								

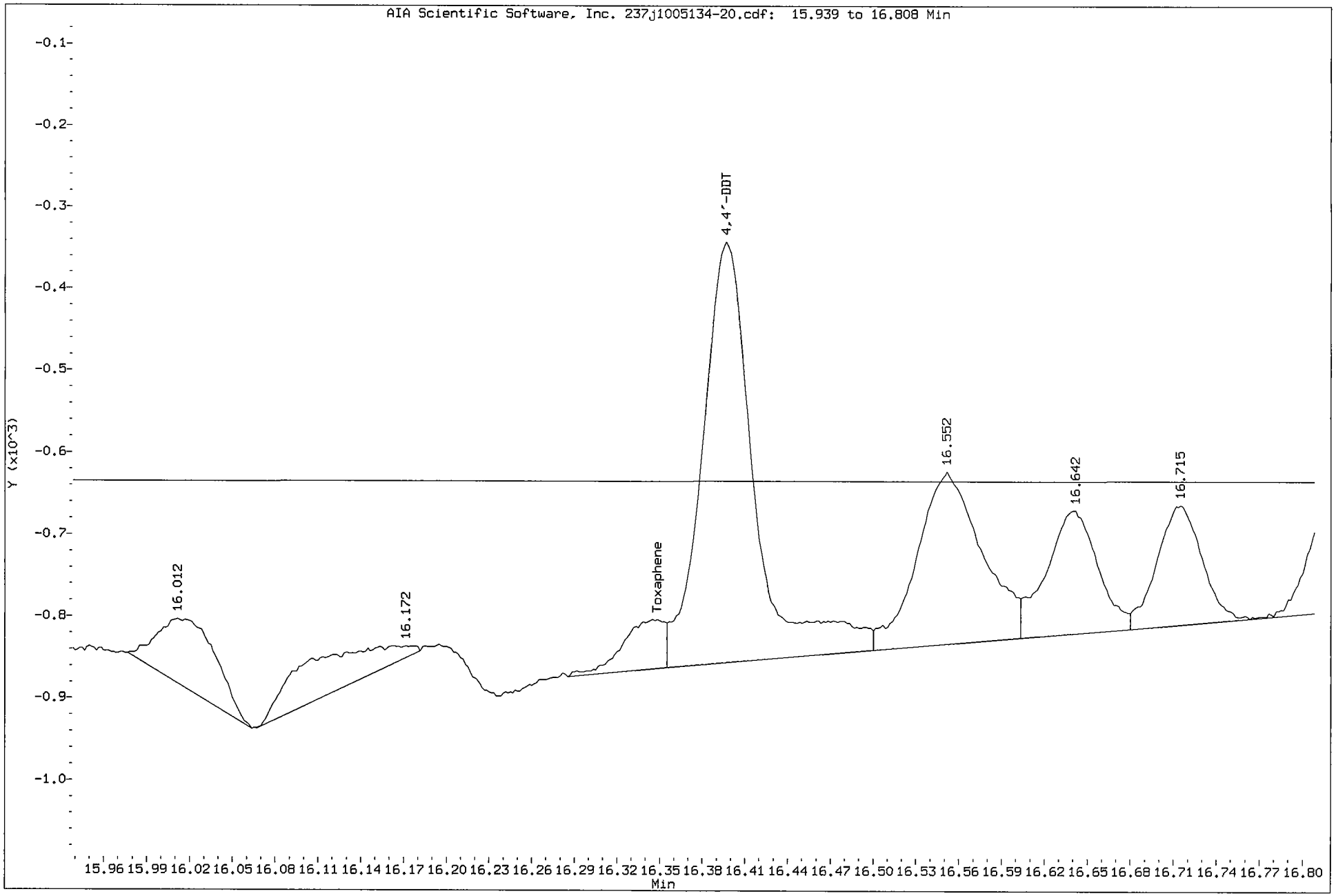
2 KEH 6/9/10

Manually Integrated Peaks



Start: 16.09 Stop: 16.19

Data File: /chem/tracegc84.i/j100528v_2C.b/237j1005134-20.d/237j1005134-20.cdf
Injection Date: 05-JUN-2010 10:11
Instrument: tracegc84.i
Client Sample ID: SB43-3-4



Data File: /chem/tracegc84.i/j100528v_2C.b/237j1005134-20.d

Page 1

Date : 05-JUN-2010 10:11

Client ID: SB43-3-4

Instrument: tracegc84.i

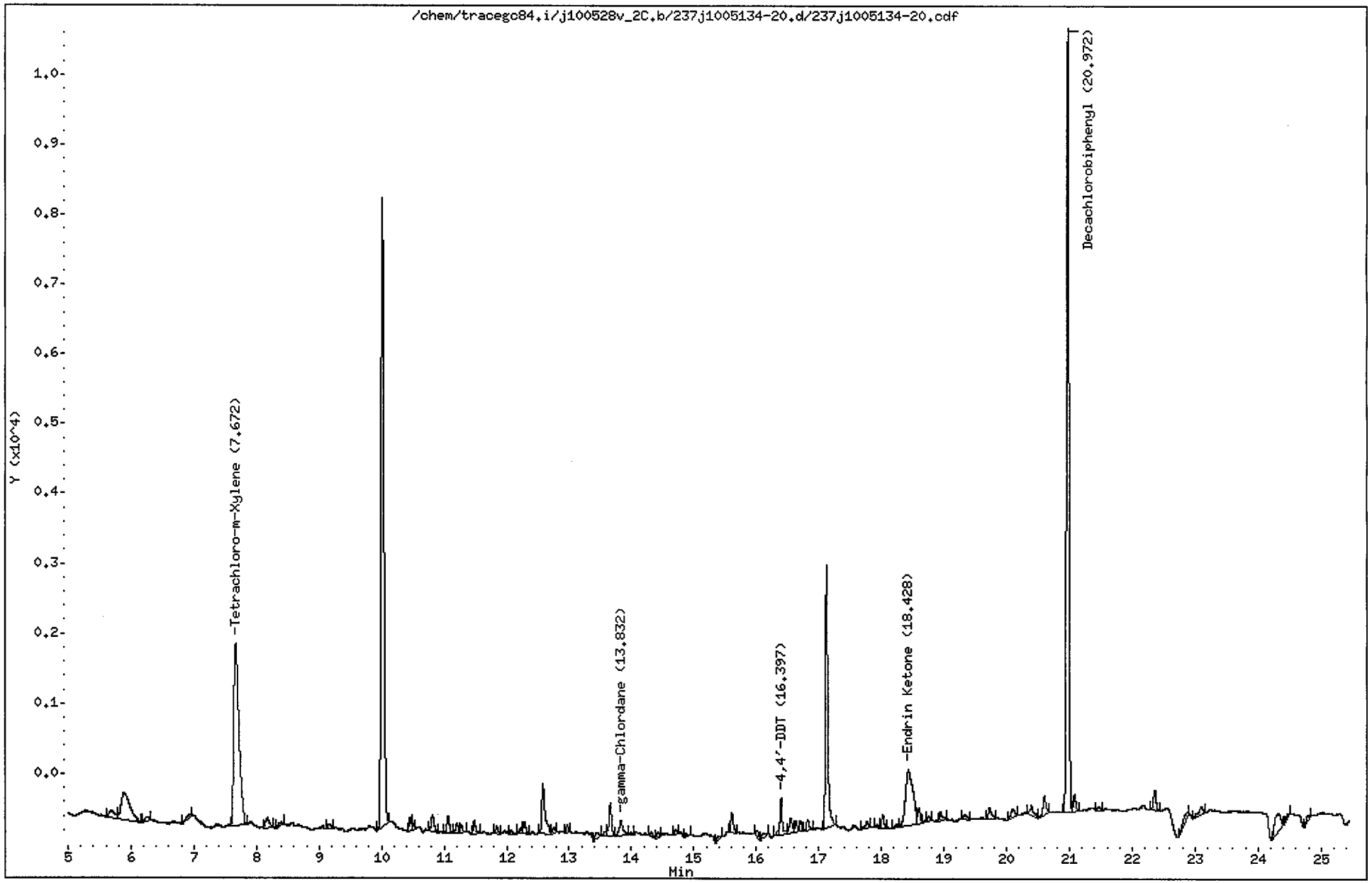
Sample Info: 1005134-20

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-20 Client Smp Id : SB43-3-4
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 10:11 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528v_2C.b/8081A_clpest2v6.m
Misc. Info : SB43-3-4

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 7(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.90			411008								
3.01			1412								
4.23			330								
5.70			651								
5.89			3925								
6.25			241								
6.92			258								
7.67	7.61	7.75	14973	416798	Tetrachloro-m-Xylene	0.035922	6.437549		59.9*	70 - 125	R
8.18			596								
8.38			199								
9.15			269								
10.01			27523								
10.45			437								
10.50			199								
10.82			761								
11.06			706								
11.20			330								
11.27			267								
11.48			467								
11.84			264								
12.07			134								
12.23			176								
12.28			511								
12.58			2610								
12.76			214								
12.97			212								
13.45			295								
13.57			150								
13.66			1307								
13.83	13.71	13.85	893	513150	gamma-Chlordane	0.001740	0.311870	1.827957			J
13.99			100								
14.32			182								
14.43			160								
14.71			156								
14.87			190								
15.44			214								
15.61			815								

CompuChem

Lab Smp Id : 1005134-20 Client Smp Id : SB43-3-4
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 10:11 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528v_2C.b/8081A_clpest2v6.m
Misc. Info : SB43-3-4

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 7(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
16.01		242								
16.17		215								
16.35		125								
16.40	16.33 16.47	1312	405929	4,4'-DDT	0.003230	0.578787	3.548387			J
16.55		666								
16.64		380								
16.71		320								
16.82		427								
17.12		9656								
17.77		326								
17.93		127								
18.02		483								
18.25		212								
18.43	18.30 18.44	6635	419519	Endrin Ketone	0.015813	2.833935	3.548387			J
18.60		615								
18.76		187								
18.95		394								
19.34		252								
19.73		568								
20.10		533								
20.40		618								
20.61		904								
20.97	20.90 21.04	28930	406698	Decachlorobiphenyl	0.071134	12.74802		59.3	55 - 130	
21.08		624								
21.47		167								
22.36		854								
22.88		507								
23.10		524								
24.32		1733								
24.49		150								
24.79		247								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB44-5-6

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-18

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	2.0	U
319-84-6	alpha-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
72-54-8	4,4'-DDD	3.9	U
72-55-9	4,4'-DDE	3.9	U
50-29-3	4,4'-DDT	0.99	J
60-57-1	Dieldrin	3.9	U
959-98-8	Endosulfan I	2.0	U
33213-65-9	Endosulfan II	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
72-20-8	Endrin	3.9	U
7421-93-4	Endrin Aldehyde	3.9	U
76-44-8	Heptachlor	2.0	U
1024-57-3	Heptachlor Epoxide	2.0	U
72-43-5	Methoxychlor	20	U
8001-35-2	Toxaphene	98	U
53494-70-5	Endrin Ketone	3.9	U
5103-74-2	gamma-Chlordane	2.0	U
5103-71-9	alpha-Chlordane	2.0	U

Data File: /chem/tracegc84.i/j100528v.b/235j1005134-18.d

Page 1

Date : 05-JUN-2010 09:14

Client ID: SB44-5-6

Instrument: tracegc84.i

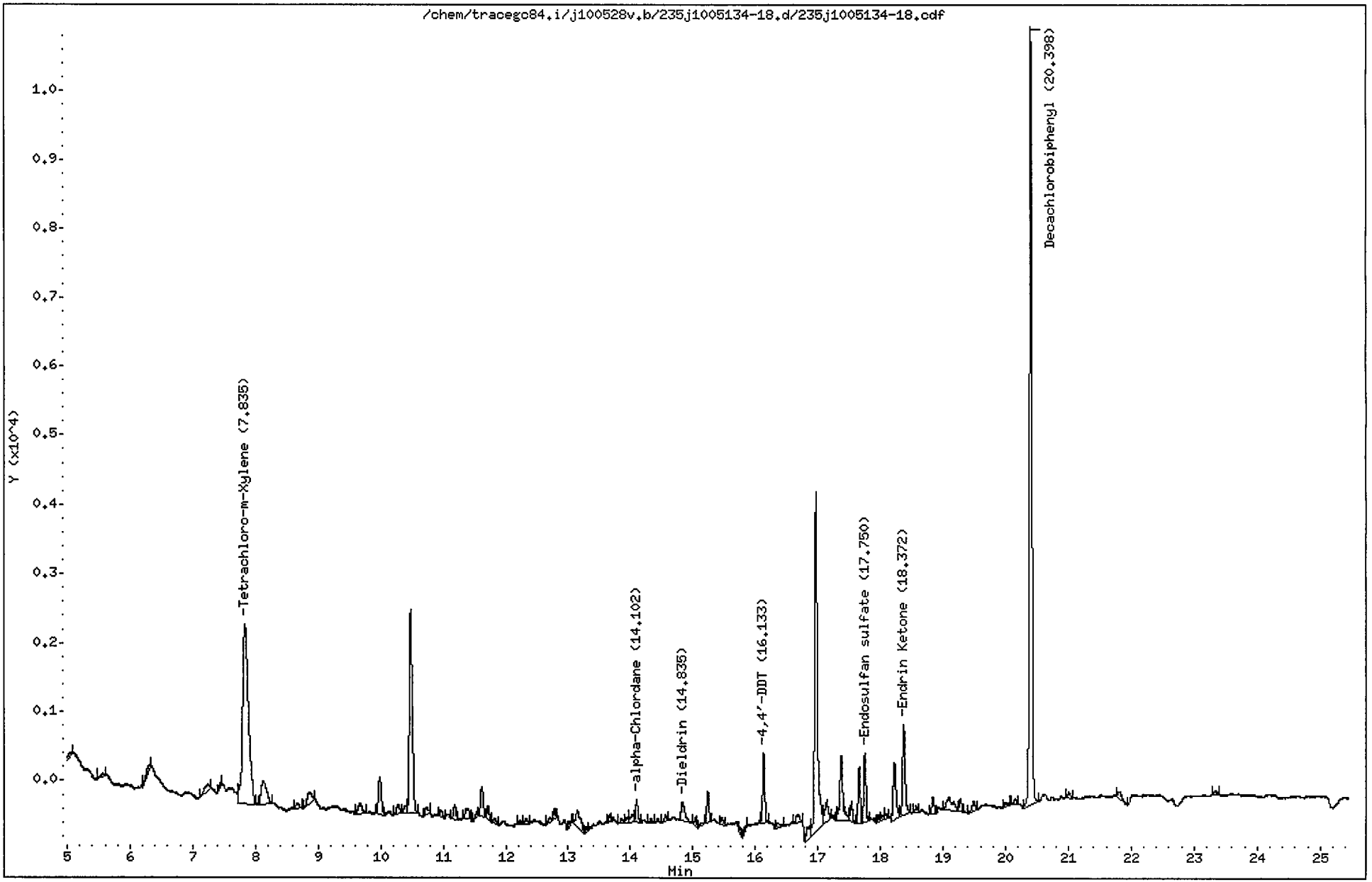
Sample Info: 1005134-18

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-18 Client Smp Id : SB44-5-6
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 09:14 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528v.b/8081A_clpestv6.m
Misc. Info : SB44-5-6

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.07			128								
1.49			13680								
2.09			38695								
3.06			12920								
3.69			18680								
3.95			6698								
4.56			906								
5.06			152								
5.57			132								
6.30			381								
7.25			487								
7.45			135								
7.84	7.77	7.91	16837	522758	Tetrachloro-m-Xylene	0.032208	6.315304		53.7*	70 - 125	RM2
8.13			1946								
8.68			249								
8.85			849								
9.67			636								
9.98			1849								
10.28			457								
10.40			355								
10.48			9831								
10.73			303								
10.95			301								
11.18			614								
11.37			641								
11.54			197								
11.62			1286								
11.72			435								
11.82			202								
12.22			179								
12.32			227								
12.71			211								
12.78			285								
13.03			122								
13.15			1212								
13.29			124								
13.66			198								

KCH 6/9/10

CompuChem

Lab Smp Id : 1005134-18 Client Smp Id : SB44-5-6
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 09:14 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528v.b/8081A_clpestv6.m
Misc. Info : SB44-5-6

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
13.85		153								
13.94		254								
14.03		436								
14.10	14.00 14.14	812	516712	alpha-Chlordane	0.001570	0.307753	2.000000			J
14.33		180								
14.56		257								
14.84	14.82 14.96	1089	515556	Dieldrin	0.002112	0.414173	3.882353			J
15.05		343								
15.14		143								
15.24		1099								
15.46		267								
15.76		169								
15.85		131								
16.13	16.08 16.22	2295	454781	4,4'-DDT	0.005044	0.989056	3.882353			J
16.37		226								
16.66		464								
16.88		749								
16.97		14946								
17.14		1262								
17.38		3408								
17.54		729								
17.66		1900								
17.75	17.65 17.79	2379	392055	Endosulfan sulfate	0.006065	1.189309	3.882353			J
17.96		279								
18.03		191								
18.10		206								
18.23		2661								
18.37	18.24 18.38	3674	457258	Endrin Ketone	0.008035	1.575463	3.882353			J
18.57		227								
18.83		627								
19.10		1368								
19.28		538								
19.48		523								
20.00		202								
20.15		220								
20.40	20.33 20.47	29379	408350	Decachlorobiphenyl	0.071943	14.10651		60.0	55 - 130	
21.01		270								

CompuChem

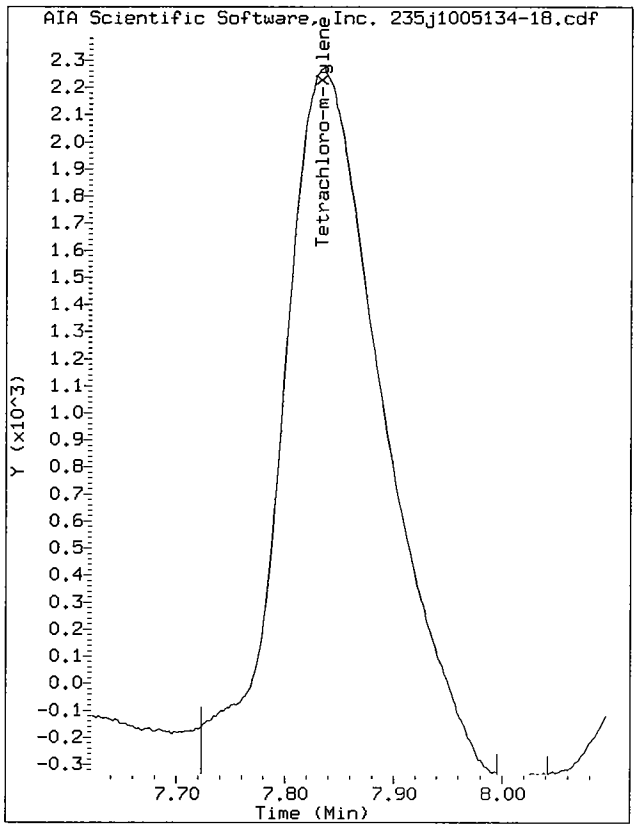
Lab Smp Id : 1005134-18 Client Smp Id : SB44-5-6
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 09:14 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528v.b/8081A_clpestv6.m
Misc. Info : SB44-5-6

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
21.81		479								
23.34		196								

Manually Integrated Peaks



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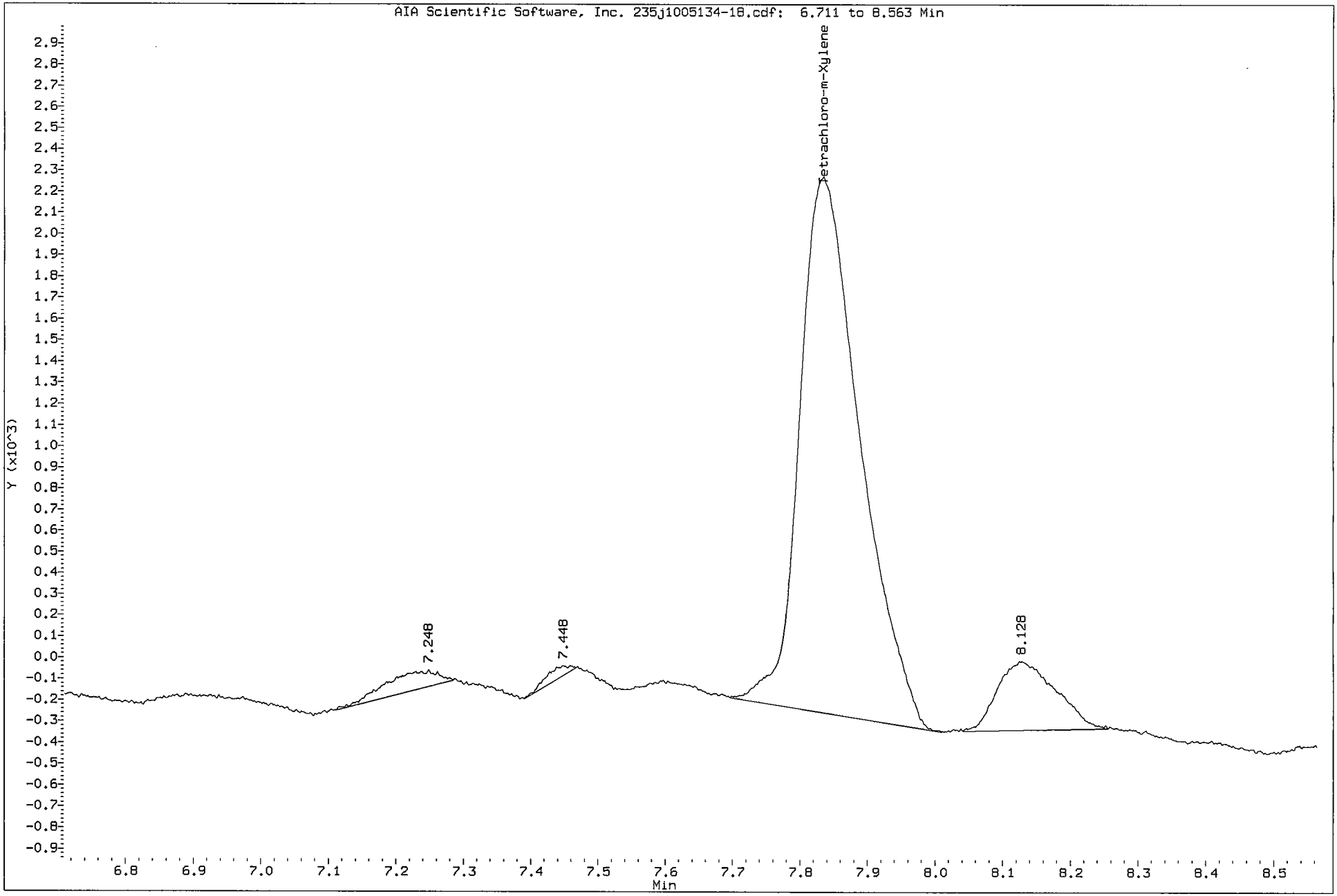
Injection Date: 05-JUN-2010 09:14
Instrument: tracegc84.i
Client Sample ID: SB44-5-6



Data File: /chem/tracegc84.i/j100528v_2C.b/235j1005134-18.d

Date : 05-JUN-2010 09:14

Client ID: SB44-5-6

Instrument: tracegc84.i

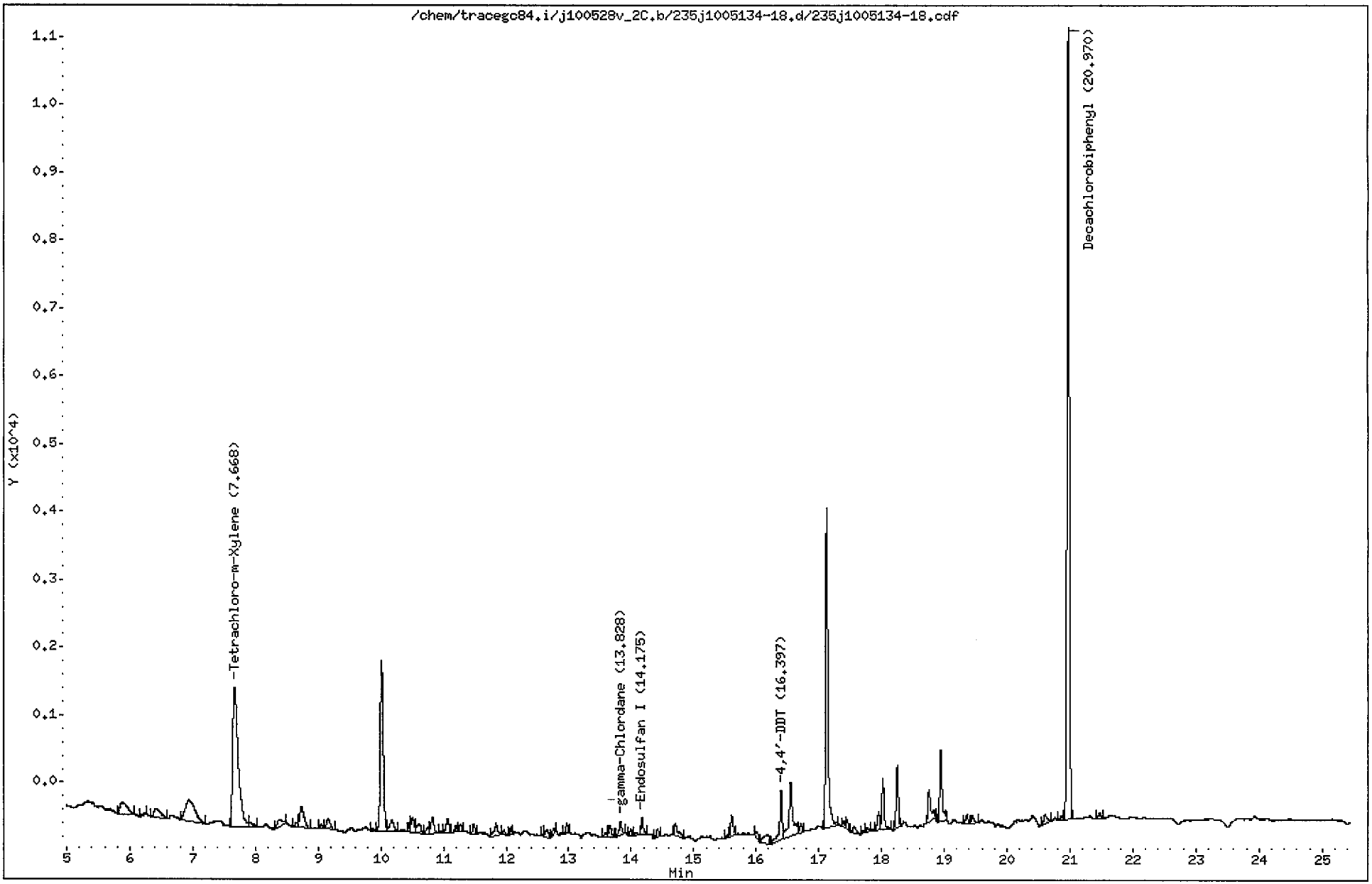
Sample Info: 1005134-18

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-18 Client Smp Id : SB44-5-6
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 09:14 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528v_2C.b/8081A_clpest2v6.m
Misc. Info : SB44-5-6

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.90			558433								
3.01			19056								
4.11			159								
5.88			1420								
6.24			112								
6.42			913								
6.93			3466								
7.67	7.61	7.75	12661	416798	Tetrachloro-m-Xylene	0.030374	5.955777		50.6*	70 - 125	RM
7.91			315								
8.39			501								
8.66			204								
8.73			1505								
9.05			117								
9.16			569								
9.86			117								
10.01			8141								
10.17			804								
10.46			296								
10.51			667								
10.62			627								
10.74			277								
10.82			856								
11.06			661								
11.20			262								
11.27			245								
11.48			347								
11.84			656								
11.97			167								
12.07			221								
12.58			101								
12.65			406								
12.76			212								
12.97			337								
13.59			147								
13.66			477								
13.83	13.71	13.85	568	513150	gamma-Chlordane	0.001107	0.217037	2.000000			J
13.99			189								

KEH 6/9/10

CompuChem

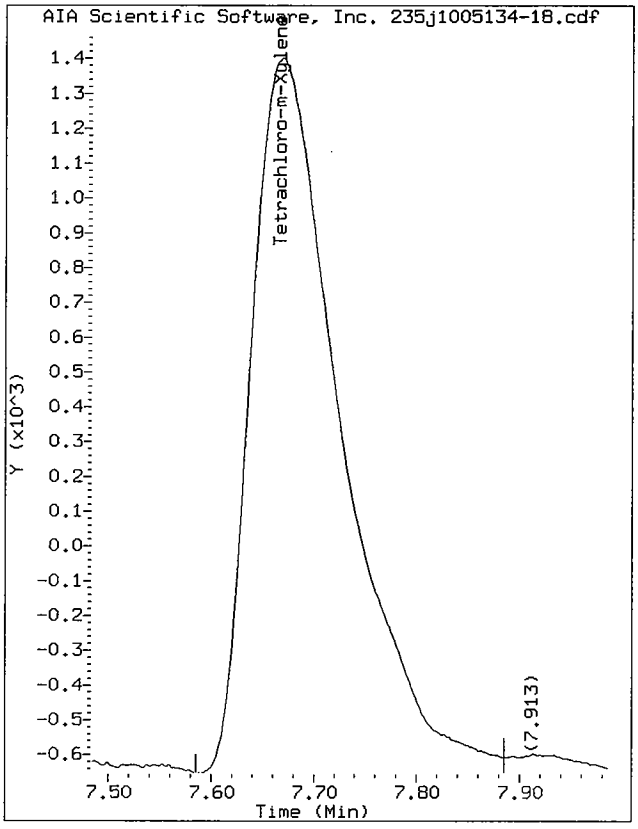
Lab Smp Id : 1005134-18 Client Smp Id : SB44-5-6
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 09:14 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528v_2C.b/8081A_clpest2v6.m
Misc. Info : SB44-5-6

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
14.08		116								
14.18	14.15 14.29	641	477982	Endosulfan I	0.001341	0.262952	2.000000			J
14.43		308								
14.71		822								
15.54		106								
15.61		906								
16.00		307								
16.18		850								
16.40	16.33 16.47	2100	405929	4,4'-DDT	0.005173	1.014377	3.882353			J
16.55		3489								
16.71		261								
17.12		12133								
17.39		212								
17.45		270								
17.57		380								
17.77		111								
17.95		650								
18.02		1848								
18.25		2197								
18.75		1606								
18.94		2914								
19.36		349								
19.45		345								
20.61		509								
20.86		143								
20.97	20.90 21.04	29605	406698	Decachlorobiphenyl	0.072794	14.27327		60.7	55 - 130	
21.47		211								

Manually Integrated Peaks



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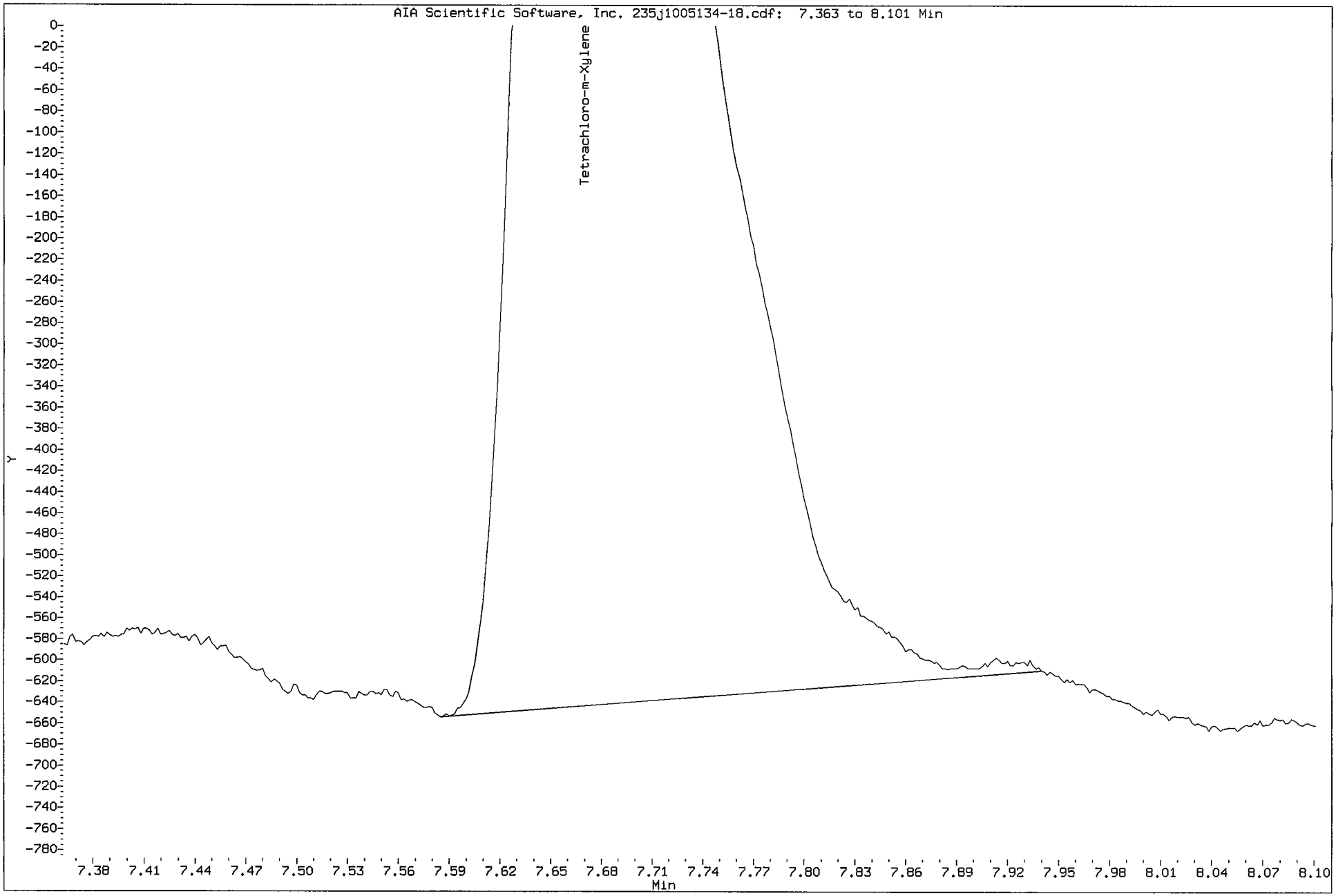
Data File: /chem/tracegc84.i/j100528v_2C.b/235j1005134-18.d/235j1005134-18.cdf
Injection Date: 05-JUN-2010 09:14
Instrument: tracegc84.i
Client Sample ID: SB44-5-6



1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB50-1-2

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-14

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	2.0	U
319-84-6	alpha-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
72-54-8	4,4'-DDD	3.9	U
72-55-9	4,4'-DDE	3.9	U
50-29-3	4,4'-DDT	1.1	J
60-57-1	Dieldrin	3.9	U
959-98-8	Endosulfan I	2.0	U
33213-65-9	Endosulfan II	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
72-20-8	Endrin	3.9	U
7421-93-4	Endrin Aldehyde	3.9	U
76-44-8	Heptachlor	2.0	U
1024-57-3	Heptachlor Epoxide	2.0	U
72-43-5	Methoxychlor	20	U
8001-35-2	Toxaphene	99	U
53494-70-5	Endrin Ketone	3.9	U
5103-74-2	gamma-Chlordane	2.0	U
5103-71-9	alpha-Chlordane	2.0	U

Data File: /chem/tracegc84.i/j100528v.b/231j1005134-14.d

Date : 05-JUN-2010 07:18

Client ID: SB50-1-2

Instrument: tracegc84.i

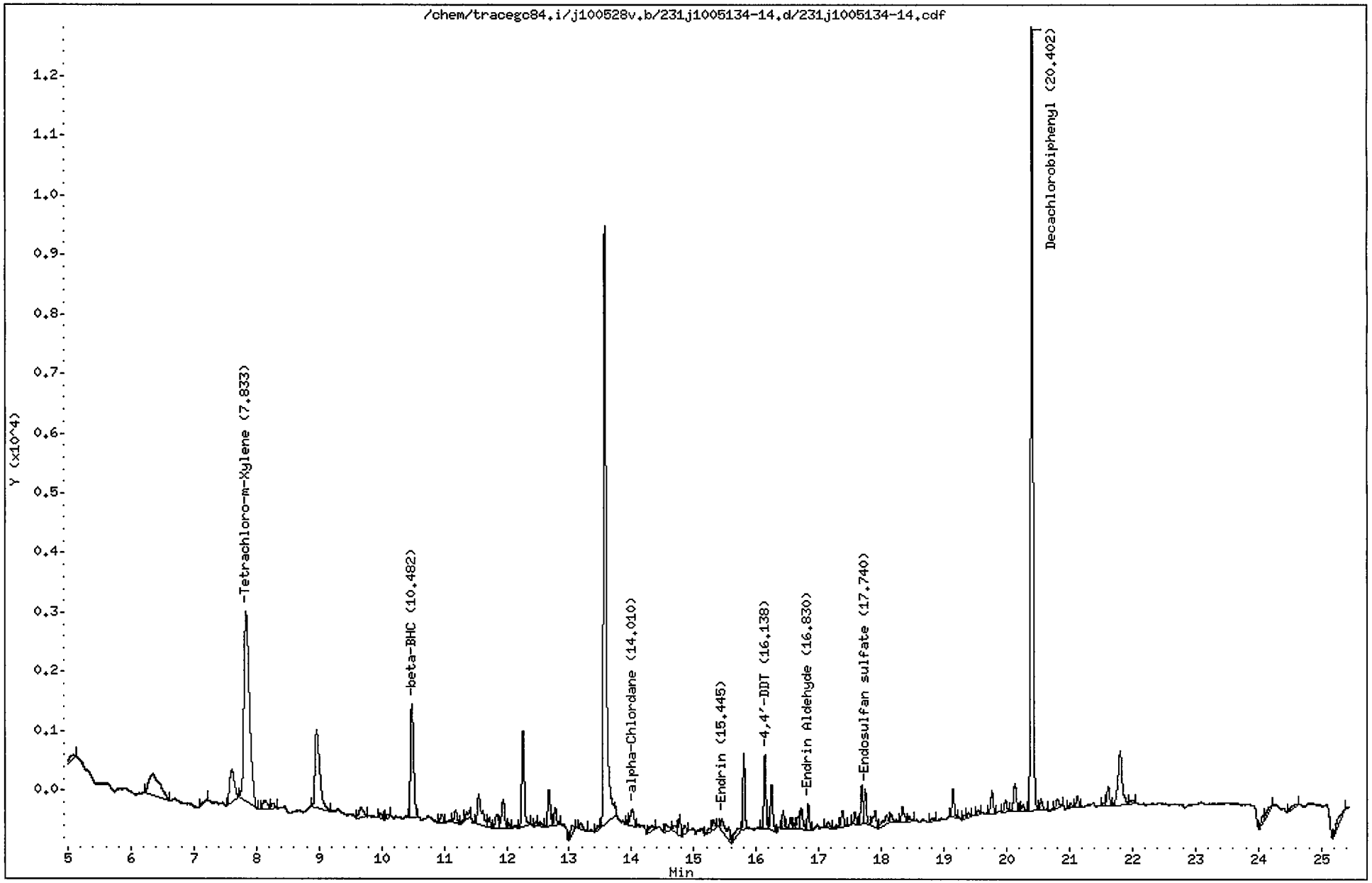
Sample Info: 1005134-14

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-14 Client Smp Id : SB50-1-2
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 07:18 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528v.b/8081A_clpestv6.m
Misc. Info : SB50-1-2

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 16(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.49		8425								
1.71		955								
2.08		33840								
3.03		503								
3.69		7950								
4.56		18063								
5.05		355								
6.34		4382								
7.20		192								
7.60		2948								
7.83	7.77 7.91	19703	522758	Tetrachloro-m-Xylene	0.037691	7.478277		62.8*	70 - 125	R
8.13		769								
8.26		313								
8.96		6911								
9.66		724								
9.98		261								
10.09		168								
10.48	10.34 10.48	6643	300532	beta-BHC	0.022101	4.385074	1.013095			
10.96		433								
11.18		681								
11.32		141								
11.36		488								
11.55		2433								
11.72		446								
11.84		826								
11.95		1571								
12.04		195								
12.26		4574								
12.46		192								
12.54		226								
12.68		1733								
12.78		841								
13.05		466								
13.18		315								
13.46		163								
13.57		31060								
13.94		174								

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CompuChem

Lab Smp Id : 1005134-14 Client Smp Id : SB50-1-2
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 07:18 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528v.b/8081A_clpestv6.m
Misc. Info : SB50-1-2

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 16(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
14.01	14.00 14.14	1154	516712	alpha-Chlordane	0.002233	0.443125	2.023810			J
14.33		452								
14.55		506								
14.68		512								
14.77		801								
14.86		437								
15.24		222								
15.31		425								
15.44	15.33 15.47	1429	463071	Endrin	0.003086	0.612285	3.928571			J
15.70		670								
15.80		2681								
16.14	16.08 16.22	2838	454781	4,4'-DDT	0.006240	1.238167	3.928571			J
16.24		2106								
16.43		724								
16.55		527								
16.61		208								
16.67		494								
16.72		1173								
16.83	16.71 16.85	937	348470	Endrin Aldehyde	0.002686	0.532942	3.928571			J
17.15		386								
17.37		793								
17.58		529								
17.68		1554								
17.74	17.65 17.79	1358	392055	Endosulfan sulfate	0.003461	0.686756	3.928571			J
17.90		934								
18.08		705								
18.15		455								
18.33		750								
18.44		207								
18.81		214								
19.14		1182								
19.32		201								
19.39		206								
19.55		176								
19.76		1042								
19.98		585								
20.13		1412								

CompuChem

Lab Smp Id : 1005134-14 Client Smp Id : SB50-1-2
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 07:18 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528v.b/8081A_clpestv6.m
Misc. Info : SB50-1-2

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 16(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
20.26		296								
20.40	20.33 20.47	34057	408350	Decachlorobiphenyl	0.083401	16.54792		69.5	55 - 130	
20.55		542								
20.81		607								
21.01		247								
21.12		515								
21.55		143								
21.62		927								
21.81		4157								
22.00		242								
24.07		308								
24.20		464								
24.62		340								
25.37		881								

Data File: /chem/tracegc84.i/j100528v_2C.b/231j1005134-14.d

Date : 05-JUN-2010 07:18

Client ID: SB50-1-2

Instrument: tracegc84.i

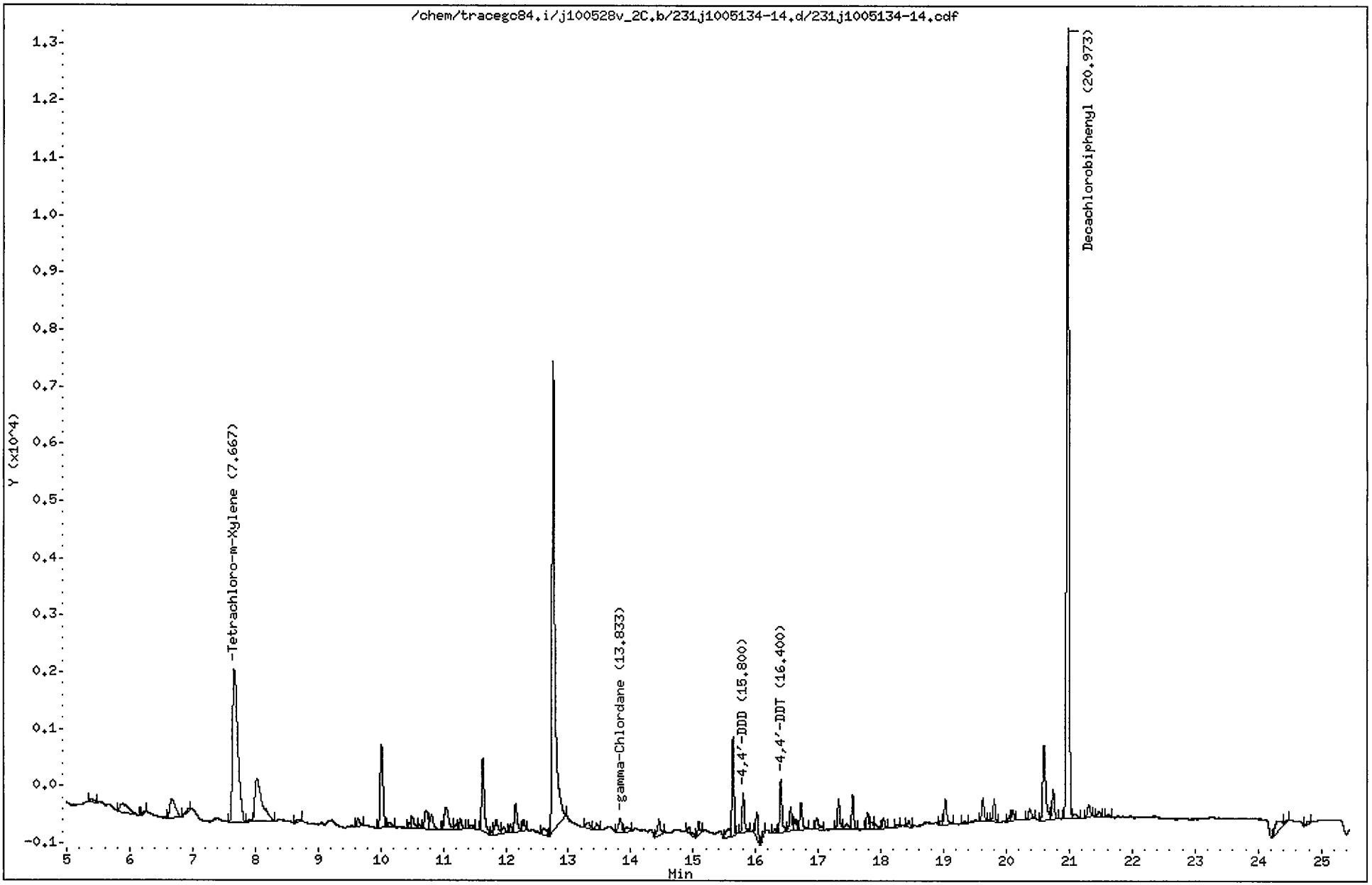
Sample Info: 1005134-14

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-14 Client Smp Id : SB50-1-2
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 07:18 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528v_2C.b/8081A_clpest2v6.m
Misc. Info : SB50-1-2

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 16(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.91			514272								
3.03			10590								
4.17			1542								
5.40			233								
5.90			1442								
6.25			101								
6.67			2070								
6.94			171								
7.67	7.61	7.75	15579	416798	Tetrachloro-m-Xylene	0.037378	7.416243		62.3*	70 - 125	R
7.91			123								
8.03			6109								
8.67			182								
9.64			476								
10.01			4436								
10.14			278								
10.46			230								
10.51			707								
10.62			204								
10.73			1270								
10.81			995								
11.04			1887								
11.20			290								
11.28			482								
11.45			230								
11.63			3792								
11.78			172								
11.84			1036								
11.97			465								
12.07			345								
12.16			1572								
12.28			536								
12.61			602								
12.76			27021								
13.32			441								
13.46			337								
13.83	13.71	13.85	838	513150	gamma-Chlordane	0.001631	0.323631	2.023810			J
13.93			370								

Kelt 6/9/10

CompuChem

Lab Smp Id : 1005134-14 Client Smp Id : SB50-1-2
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 07:18 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528v_2C.b/8081A_clpest2v6.m
Misc. Info : SB50-1-2

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 16(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
14.45		897								
14.93		429								
15.09		515								
15.56		690								
15.64		3766								
15.80	15.67 15.81	1748	340626	4,4'-DDD	0.005132	1.018199	3.928571			J
16.02		1245								
16.13		237								
16.30		161								
16.40	16.33 16.47	2286	405929	4,4'-DDT	0.005629	1.116878	3.928571			J
16.56		1146								
16.64		496								
16.72		1223								
16.98		747								
17.32		1294								
17.45		380								
17.55		1289								
17.78		751								
17.84		331								
17.90		340								
18.04		431								
18.27		92								
18.44		243								
18.95		172								
19.03		1300								
19.33		163								
19.62		1055								
19.80		851								
20.05		235								
20.10		504								
20.37		631								
20.60		4215								
20.74		1335								
20.97	20.90 21.04	35281	406698	Decachlorobiphenyl	0.086748	17.21181		72.3	55 - 130	
21.09		284								
21.30		667								
21.48		342								

CompuChem

Lab Smp Id : 1005134-14 Client Smp Id : SB50-1-2
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 07:18 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528v_2C.b/8081A_clpest2v6.m
Misc. Info : SB50-1-2

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 16(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
21.62		132								
24.31		1393								
24.46		211								
24.79		137								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS02-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 05/14/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/20/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/02/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	2.0	U
319-84-6	alpha-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
72-54-8	4,4'-DDD	3.9	U
72-55-9	4,4'-DDE	3.9	U
50-29-3	4,4'-DDT	3.9	U
60-57-1	Dieldrin	3.9	U
959-98-8	Endosulfan I	2.0	U
33213-65-9	Endosulfan II	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
72-20-8	Endrin	3.9	U
7421-93-4	Endrin Aldehyde	3.9	U
76-44-8	Heptachlor	0.29	JP
1024-57-3	Heptachlor Epoxide	2.0	U
72-43-5	Methoxychlor	20	U
8001-35-2	Toxaphene	99	U
53494-70-5	Endrin Ketone	3.9	U
5103-74-2	gamma-Chlordane	2.0	U
5103-71-9	alpha-Chlordane	2.0	U

Data File: /chem/tracegc82.i/f100601c.b/046f1005134-01.d

Date : 02-JUN-2010 13:39

Client ID: SS02-0-1

Instrument: tracegc82.i

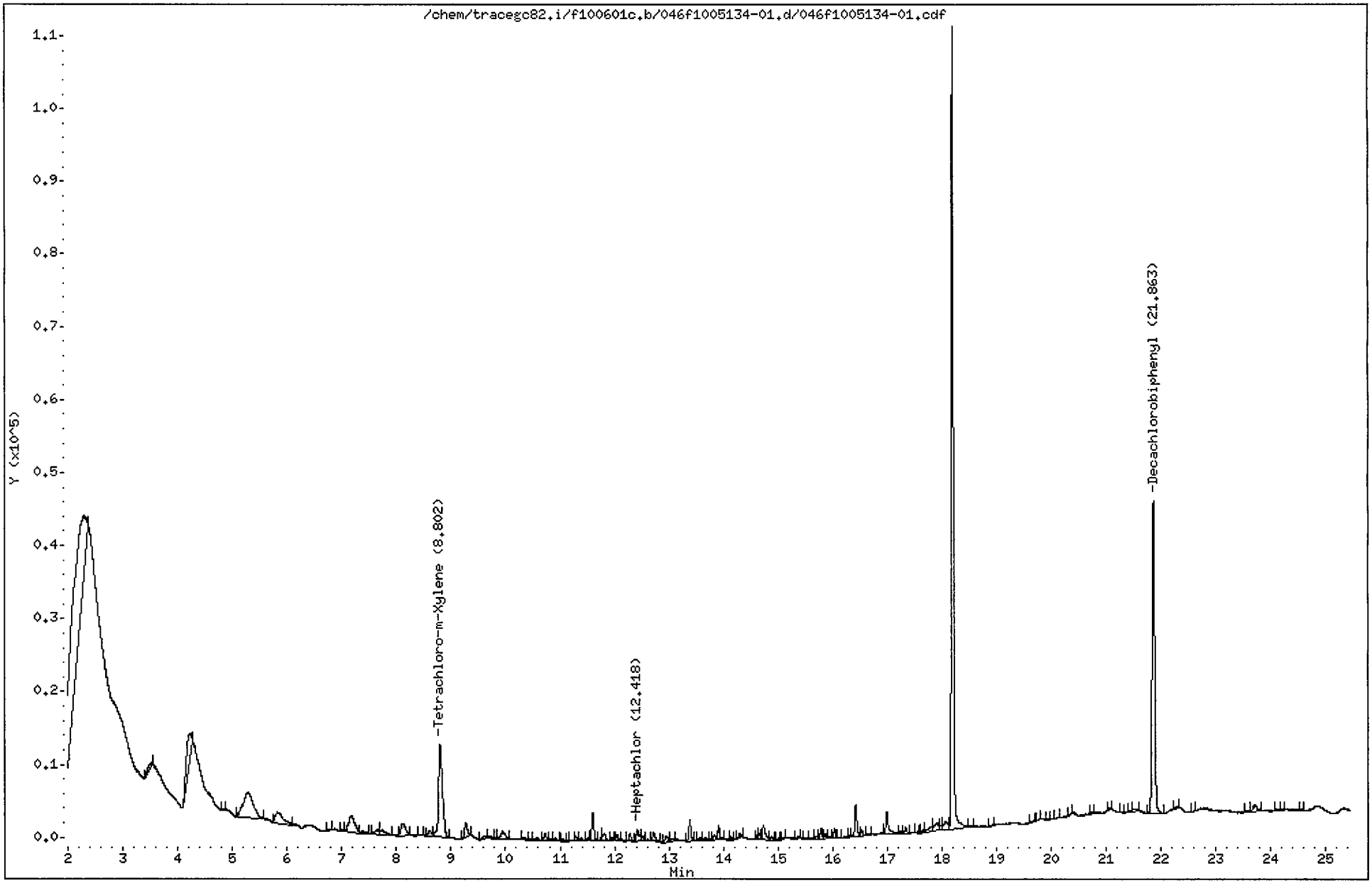
Sample Info: 1005134-01

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-01 Client Smp Id : SS02-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 13:39 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601c.b/8081A_clpestv6.m
Misc. Info : SS02-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 16(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.04			443								
1.50			85678								
2.31			161739								
3.52			3508								
4.21			26649								
4.84			293								
5.28			44369								
5.83			15031								
6.81			362								
7.00			453								
7.18			17777								
7.38			1528								
7.63			3160								
7.73			4593								
8.11			10074								
8.43			421								
8.61			3857								
8.80	8.73	8.87	63739	1587700	Tetrachloro-m-Xylene	0.040145	7.965253		66.9*	70 - 125	R
9.27			7385								
9.63			1394								
9.70			902								
9.82			466								
9.95			6052								
10.35			929								
10.56			1759								
10.73			3045								
10.90			974								
11.05			714								
11.22			434								
11.29			1697								
11.39			1402								
11.52			1144								
11.60			11615								
11.77			1116								
11.81			3850								
11.94			1360								
12.04			2198								

CompuChem

Lab Smp Id : 1005134-01 Client Smp Id : SS02-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 13:39 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601c.b/8081A_clpestv6.m
Misc. Info : SS02-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 16(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.28		2710								
12.42	12.38 12.52	5715	2589888	Heptachlor	0.002207	0.437829	2.023810			J
12.52		1411								
12.72		3703								
12.95		3141								
13.05		1150								
13.38		7307								
13.57		1063								
13.68		1106								
13.84		1626								
13.91		4713								
14.14		857								
14.29		1869								
14.62		933								
14.65		2073								
14.73		7781								
14.89		1202								
14.99		673								
15.09		504								
15.36		573								
15.50		600								
15.63		474								
15.71		1467								
15.79		3905								
15.86		1662								
15.95		600								
16.03		3347								
16.23		732								
16.31		474								
16.42		12038								
16.53		2009								
16.64		759								
16.99		10179								
17.24		517								
17.34		2213								
17.55		405								
17.66		839								

CompuChem

Lab Smp Id : 1005134-01 Client Smp Id : SS02-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 13:39 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601c.b/8081A_clpestv6.m
Misc. Info : SS02-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 16(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
17.81		3587								
17.91		5547								
17.99		2167								
18.06		5936								
18.20		276960								
18.50		664								
18.92		503								
19.68		653								
19.80		315								
19.93		329								
20.14		421								
20.36		520								
20.73		582								
21.06		521								
21.27		416								
21.47		352								
21.52		1415								
21.86	21.79 21.93	140179	1622138	Decachlorobiphenyl	0.086416	17.14594		72.0	55 - 130	
22.26		781								
22.61		306								
23.57		1092								
23.71		4393								
24.12		724								
24.20		305								
24.53		284								

Data File: /chem/tracegc82.i/f100601c_2C.b/046f1005134-01.d

Date : 02-JUN-2010 13:39

Client ID: SS02-0-1

Instrument: tracegc82.i

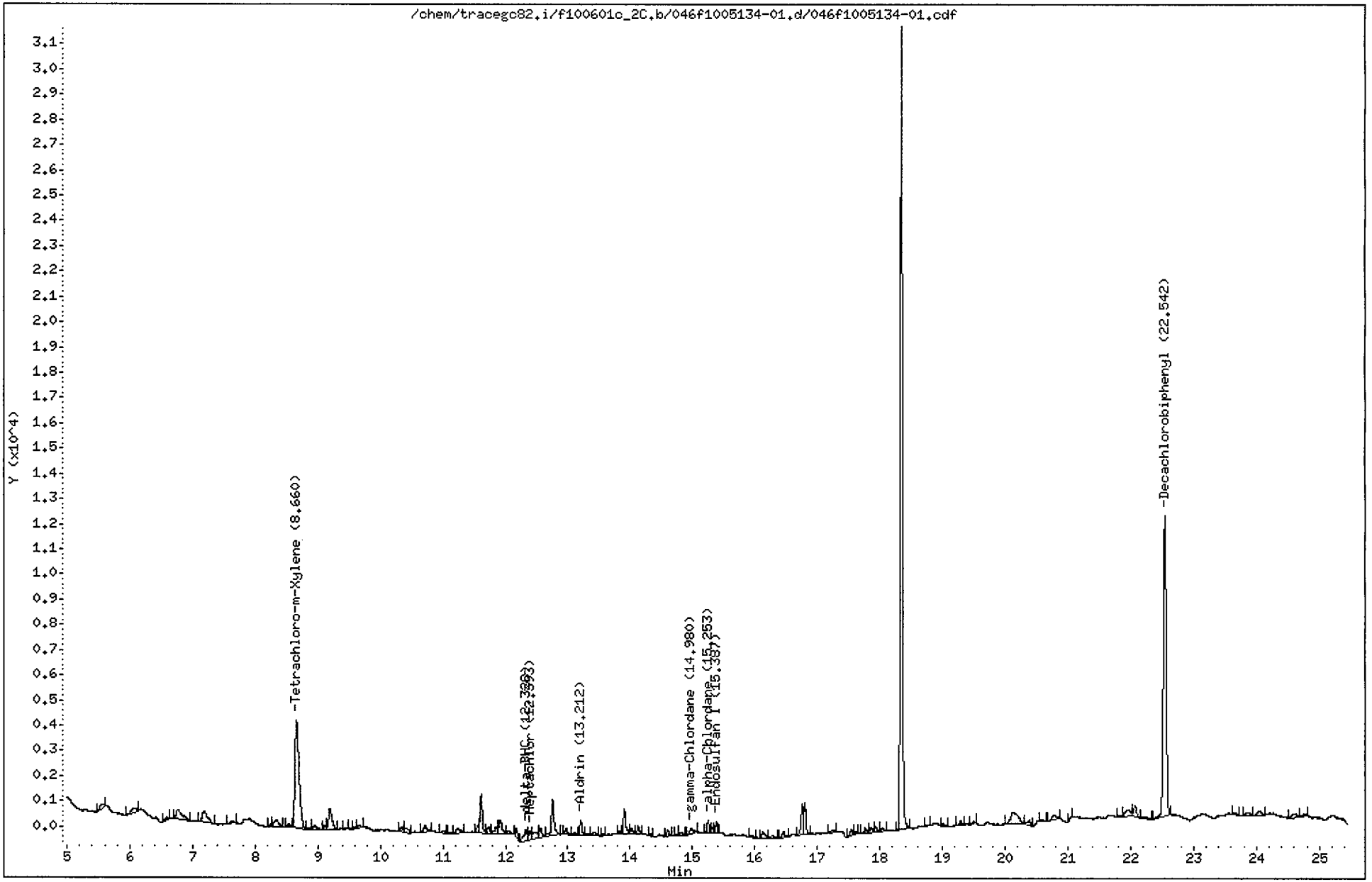
Sample Info: 1005134-01

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-01 Client Smp Id : SS02-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 13:39 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601c_2C.b/8081A_clpest2v6.m
Misc. Info : SS02-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 16(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.36			231								
1.51			19119								
2.08			35538								
3.16			839								
3.51			33212								
4.84			706								
5.57			756								
6.08			995								
6.60			369								
6.77			2668								
7.18			2747								
7.63			434								
8.24			294								
8.34			1431								
8.54			381								
8.66	8.59	8.73	19566	548876	Tetrachloro-m-Xylene	0.035646	7.072534		59.4*	70 - 125	R
8.86			190								
8.95			823								
9.11			502								
9.20			3124								
9.44			126								
9.59			173								
9.65			327								
10.34			499								
10.40			780								
10.71			919								
11.00			285								
11.11			172								
11.23			935								
11.55			579								
11.61			4081								
11.73			688								
11.85			826								
11.92			2042								
12.05			381								
12.18			923								
12.33	12.22	12.36	1697	827595	delta-BHC	0.002051	0.406849	2.023810			J

CompuChem

Lab Smp Id : 1005134-01 Client Smp Id : SS02-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 13:39 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601c_2C.b/8081A_clpest2v6.m
Misc. Info : SS02-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 16(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.39	12.33 12.47	1138	778205	Heptachlor	0.001462	0.290147	2.023810			J
12.46		1274								
12.56		1424								
12.76		4657								
12.97		539								
13.11		291								
13.21	13.10 13.24	1382	726628	Aldrin	0.001901	0.377095	2.023810			J
13.32		223								
13.44		412								
13.56		186								
13.83		249								
13.91		2754								
14.03		638								
14.13		744								
14.32		183								
14.60		530								
14.74		120								
14.82		387								
14.98	14.88 15.02	939	690205	gamma-Chlordane	0.001360	0.269934	2.023810			J
15.25	15.21 15.35	1161	595455	alpha-Chlordane	0.001948	0.386526	2.023810			J
15.32		497								
15.39	15.33 15.47	955	638725	Endosulfan I	0.001494	0.296349	2.023810			J
15.95		244								
16.13		955								
16.28		330								
16.46		702								
16.76		2864								
16.80		2958								
17.26		281								
17.55		599								
17.61		232								
17.77		492								
17.86		622								
17.94		603								
18.04		369								
18.34		70447								
18.77		125								

CompuChem

Lab Smp Id : 1005134-01 Client Smp Id : SS02-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 13:39 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601c_2C.b/8081A_clpest2v6.m
Misc. Info : SS02-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 16(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
19.01		249								
19.29		458								
19.50		185								
20.15		3818								
20.39		693								
20.59		222								
20.77		825								
21.06		163								
21.85		177								
21.97		1582								
22.07		1408								
22.24		505								
22.54	22.47 22.61	38313	497254	Decachlorobiphenyl	0.077047	15.28712		64.2	55 - 130	
23.67		254								
23.86		567								
24.06		898								
24.60		798								
24.75		183								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS02D-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 12 decanted: (Y/N) N Date Received: 05/14/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/20/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/02/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.9	U
319-85-7	beta-BHC	1.9	U
319-84-6	alpha-BHC	1.9	U
319-86-8	delta-BHC	0.47	J
58-89-9	gamma-BHC (Lindane)	1.9	U
72-54-8	4,4'-DDD	3.8	U
72-55-9	4,4'-DDE	3.8	U
50-29-3	4,4'-DDT	3.8	U
60-57-1	Dieldrin	3.8	U
959-98-8	Endosulfan I	1.9	U
33213-65-9	Endosulfan II	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
72-20-8	Endrin	3.8	U
7421-93-4	Endrin Aldehyde	3.8	U
76-44-8	Heptachlor	0.34	JP
1024-57-3	Heptachlor Epoxide	1.9	U
72-43-5	Methoxychlor	19	U
8001-35-2	Toxaphene	94	U
53494-70-5	Endrin Ketone	3.8	U
5103-74-2	gamma-Chlordane	0.22	JP
5103-71-9	alpha-Chlordane	0.21	JP

Data File: /chem/tracegc82.i/f100601c.b/047f1005134-02.d

Date : 02-JUN-2010 14:08

Client ID: SS02D-0-1

Instrument: tracegc82.i

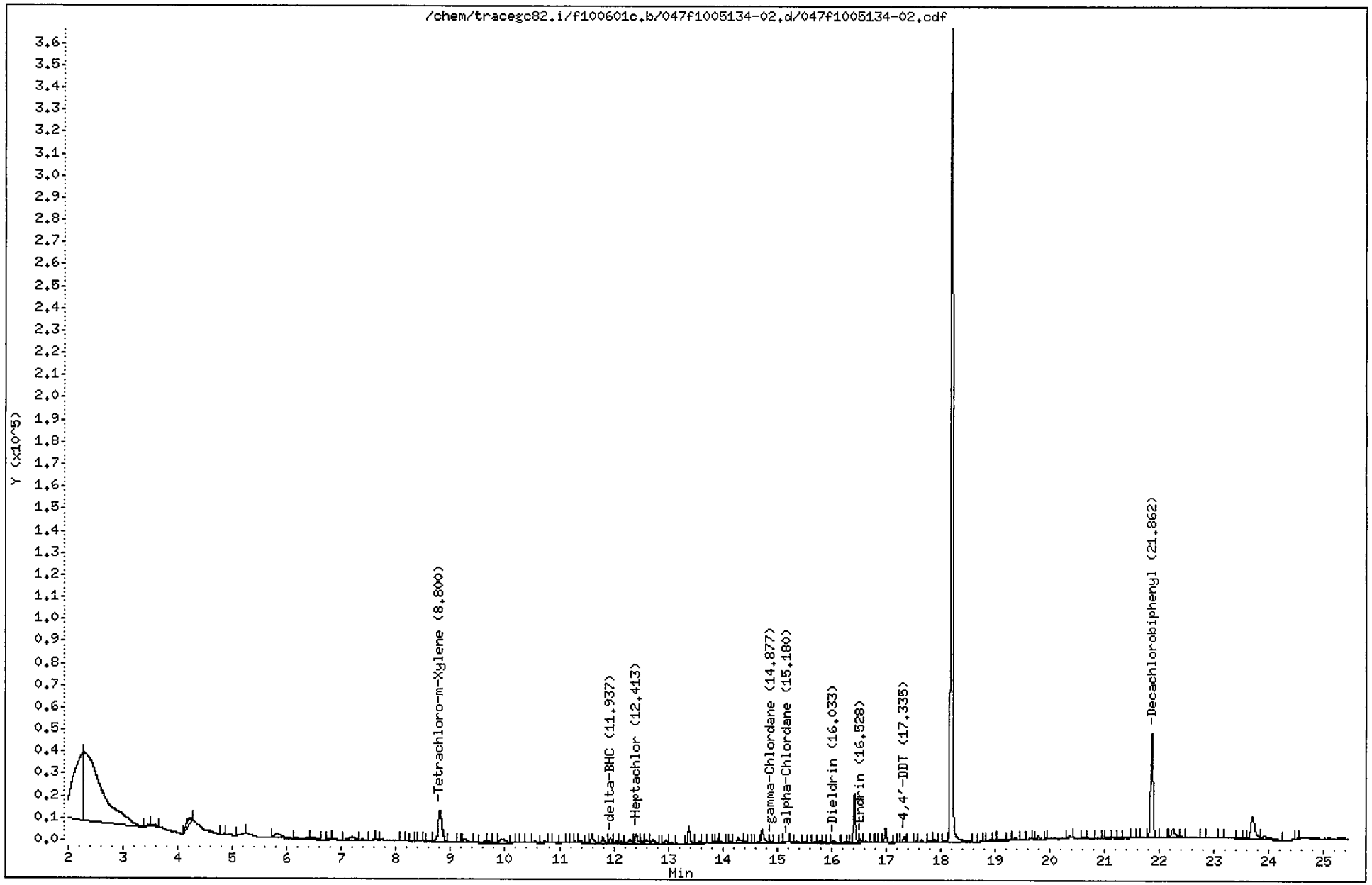
Sample Info: 1005134-02

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-02 Client Smp Id : SS02D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 14:08 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601c.b/8081A_clpestv6.m
Misc. Info : SS02D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 12(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.04			424								
1.49			108525								
1.74			1019								
1.83			947								
1.87			1223								
1.89			686								
2.27			390146								
2.30			718891								
3.50			2641								
3.53			4980								
4.21			17751								
4.84			309								
5.24			1866								
5.82			17711								
6.48			2515								
6.79			643								
7.18			11285								
7.37			2018								
7.64			488								
8.11			627								
8.30			398								
8.44			398								
8.62			1720								
8.80	8.73	8.87	69677	1587700	Tetrachloro-m-Xylene	0.043886	8.311649		73.1	70 - 125	
9.14			317								
9.27			7494								
9.63			3990								
9.71			2943								
9.82			2263								
9.95			12920								
10.13			560								
10.31			571								
10.55			2635								
10.73			3649								
10.82			1501								
10.90			1561								
11.04			1014								

CompuChem

Lab Smp Id : 1005134-02 Client Smp Id : SS02D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 14:08 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601c.b/8081A_clpestv6.m
Misc. Info : SS02D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 12(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.23		721								
11.29		1878								
11.40		4860								
11.52		1315								
11.60		13799								
11.80		9140								
11.94	11.85 11.99	6796	2721052	delta-BHC	0.002498	0.473023	1.931818			J
12.04		3612								
12.13		2280								
12.28		7612								
12.41	12.38 12.52	14723	2589888	Heptachlor	0.005685	1.076667	1.931818			J
12.52		2584								
12.60		7096								
12.72		8317								
12.97		5154								
13.05		2075								
13.38		19825								
13.57		3592								
13.67		1946								
13.80		1157								
13.84		2213								
13.91		4152								
13.96		3250								
14.14		1233								
14.29		11336								
14.42		1750								
14.50		522								
14.57		333								
14.65		1945								
14.73		20454								
14.88	14.84 14.98	2587	2245768	gamma-Chlordane	0.001152	0.218171	1.931818			J
15.09		932								
15.18	15.15 15.29	2144	1924148	alpha-Chlordane	0.001114	0.211034	1.931818			J
15.36		3304								
15.51		1984								
15.71		1374								
15.79		3347								

CompuChem

Lab Smp Id : 1005134-02 Client Smp Id : SS02D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 14:08 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601c.b/8081A_clpestv6.m
Misc. Info : SS02D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 12(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
15.86		1420								
15.94		653								
16.03	15.99 16.13	5670	2037205	Dieldrin	0.002783	0.527126	3.750000			J
16.24		725								
16.30		777								
16.42		54754								
16.53	16.51 16.65	3459	1695798	Endrin	0.002040	0.386316	3.750000			J
16.63		2128								
16.73		450								
16.84		297								
16.91		1716								
16.99		17534								
17.16		402								
17.25		288								
17.34	17.27 17.41	6469	1722489	4,4'-DDT	0.003755	0.711180	3.750000			J
17.55		728								
17.65		3244								
17.81		2396								
17.88		4526								
18.06		1888								
18.20		1013613								
18.76		315								
18.80		424								
18.92		1645								
19.00		1997								
19.10		3139								
19.28		487								
19.37		2551								
19.50		923								
19.64		735								
19.79		4568								
19.93		293								
20.36		2324								
20.63		1183								
20.86		854								
21.06		1513								
21.28		1270								

CompuChem

Lab Smp Id : 1005134-02 Client Smp Id : SS02D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 14:08 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601c.b/8081A_clpestv6.m
Misc. Info : SS02D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 12(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
21.50		899								
21.71		980								
21.86	21.79 21.93	150201	1622138	Decachlorobiphenyl	0.092594	17.53671		77.2	55 - 130	
22.02		518								
22.25		19084								
22.41		1795								
22.81		454								
23.12		407								
23.44		1238								
23.71		48881								
23.92		10056								
24.53		312								

Data File: /chem/tracegc82.i/f100601c_2C.b/047f1005134-02.d

Date : 02-JUN-2010 14:08

Client ID: SS02D-0-1

Instrument: tracegc82.i

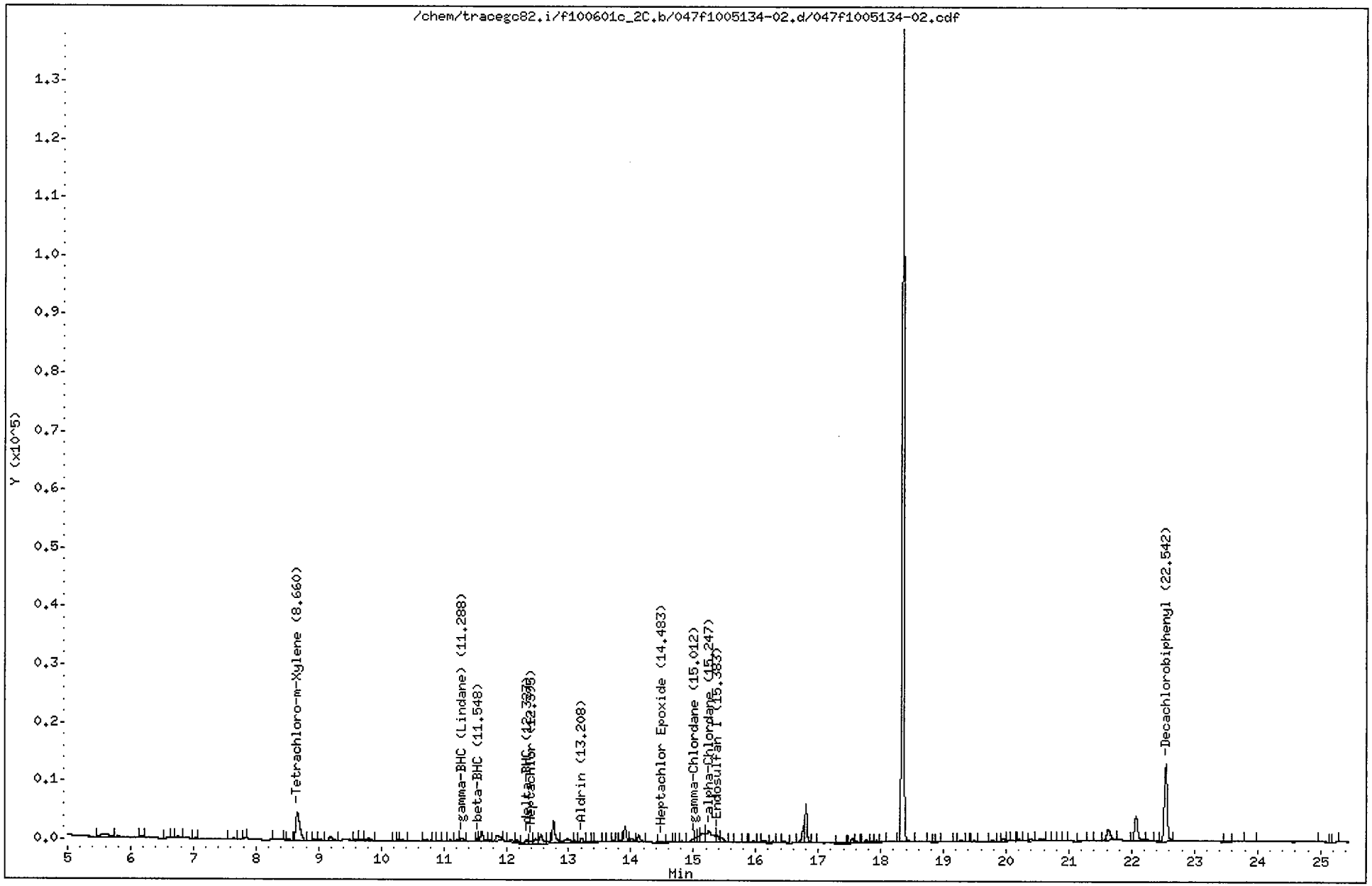
Sample Info: 1005134-02

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-02 Client Smp Id : SS02D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 14:08 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601c_2C.b/8081A_clpest2v6.m
Misc. Info : SS02D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 12(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.35			191								
1.51			117325								
2.04			210364								
2.08			347976								
3.16			852								
3.51			22919								
5.57			4285								
6.19			161								
6.61			321								
6.76			800								
7.04			153								
7.63			509								
7.83			144								
8.33			970								
8.54			370								
8.66	8.59	8.73	22206	548876	Tetrachloro-m-Xylene	0.040457	7.662353		67.4*	70 - 125	R
8.95			596								
9.03			791								
9.19			2992								
9.59			514								
9.64			738								
9.81			1523								
10.23			138								
10.28			188								
10.34			792								
10.71			1253								
10.85			183								
11.00			279								
11.11			474								
11.23			627								
11.29	11.25	11.39	1556	866882	gamma-BHC (Lindane)	0.001795	0.339950	1.931818			J
11.55	11.50	11.64	714	347428	beta-BHC	0.002052	0.388679	0.967045			J
11.61			4277								
11.73			281								
11.86			4327								
12.05			1894								
12.18			1827								

6/2/10

CompuChem

Lab Smp Id : 1005134-02 Client Smp Id : SS02D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 14:08 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601c_2C.b/8081A_clpest2v6.m
Misc. Info : SS02D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 12(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.33	12.22 12.36	2444	827595	delta-BHC	0.002953	0.559306	1.931818			J
12.40	12.33 12.47	1414	778205	Heptachlor	0.001816	0.343886	1.931818			J
12.47		2964								
12.56		5389								
12.70		1271								
12.76		12453								
12.98		5121								
13.10		1296								
13.21	13.10 13.24	2352	726628	Aldrin	0.003235	0.612783	1.931818			J
13.30		964								
13.39		320								
13.43		879								
13.57		277								
13.72		359								
13.83		658								
13.90		6839								
14.02		1489								
14.13		2637								
14.48	14.45 14.59	868	683115	Heptachlor Epoxide	0.001271	0.240653	1.931818			J
14.61		362								
14.75		267								
14.82		1033								
15.01	14.88 15.02	2474	690205	gamma-Chlordane	0.003583	0.678597	1.931818			J
15.04		2071								
15.09		2234								
15.17		8531								
15.25	15.21 15.35	14357	595455	alpha-Chlordane	0.024111	4.566472	1.931818			
15.38	15.33 15.47	3866	638725	Endosulfan I	0.006051	1.146045	1.931818			J
15.46		3414								
15.61		426								
15.68		557								
15.81		239								
15.95		547								
16.13		1451								
16.28		542								
16.45		1246								
16.63		401								

CompuChem

Lab Smp Id : 1005134-02 Client Smp Id : SS02D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 14:08 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601c_2C.b/8081A_clpest2v6.m
Misc. Info : SS02D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 12(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
16.76		5857								
16.80		16198								
16.94		275								
17.36		1032								
17.54		1869								
17.61		312								
17.76		1137								
17.86		122								
17.93		646								
18.04		433								
18.35		281862								
18.77		357								
18.91		207								
19.18		162								
19.29		464								
19.38		206								
19.49		475								
19.78		537								
19.89		135								
19.96		1147								
20.01		491								
20.10		198								
20.20		588								
20.39		1046								
20.53		805								
20.77		444								
20.86		465								
20.92		670								
21.04		627								
21.25		339								
21.46		337								
21.63		7656								
22.07		16625								
22.25		983								
22.54	22.47 22.61	41789	497254	Decachlorobiphenyl	0.084039	15.91656		70.0	55 - 130	
23.52		380								
23.87		473								

CompuChem

Lab Smp Id : 1005134-02 Client Smp Id : SS02D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 02-JUN-2010 14:08 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601c_2C.b/8081A_clpest2v6.m
Misc. Info : SS02D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 12(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
25.04		706								
25.27		147								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS12-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-15

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 8 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.8	U
319-85-7	beta-BHC	0.53	J
319-84-6	alpha-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
72-54-8	4,4'-DDD	3.6	U
72-55-9	4,4'-DDE	3.6	U
50-29-3	4,4'-DDT	5.9	
60-57-1	Dieldrin	3.6	U
959-98-8	Endosulfan I	1.8	U
33213-65-9	Endosulfan II	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
72-20-8	Endrin	3.6	U
7421-93-4	Endrin Aldehyde	0.81	J
76-44-8	Heptachlor	1.8	U
1024-57-3	Heptachlor Epoxide	1.8	U
72-43-5	Methoxychlor	18	U
8001-35-2	Toxaphene	90	U
53494-70-5	Endrin Ketone	3.6	U
5103-74-2	gamma-Chlordane	1.8	U
5103-71-9	alpha-Chlordane	1.8	U

Data File: /chem/tracegc84.i/j100528v.b/232j1005134-15.d

Page 1

Date : 05-JUN-2010 07:47

Client ID: SS12-0-1

Instrument: tracegc84.i

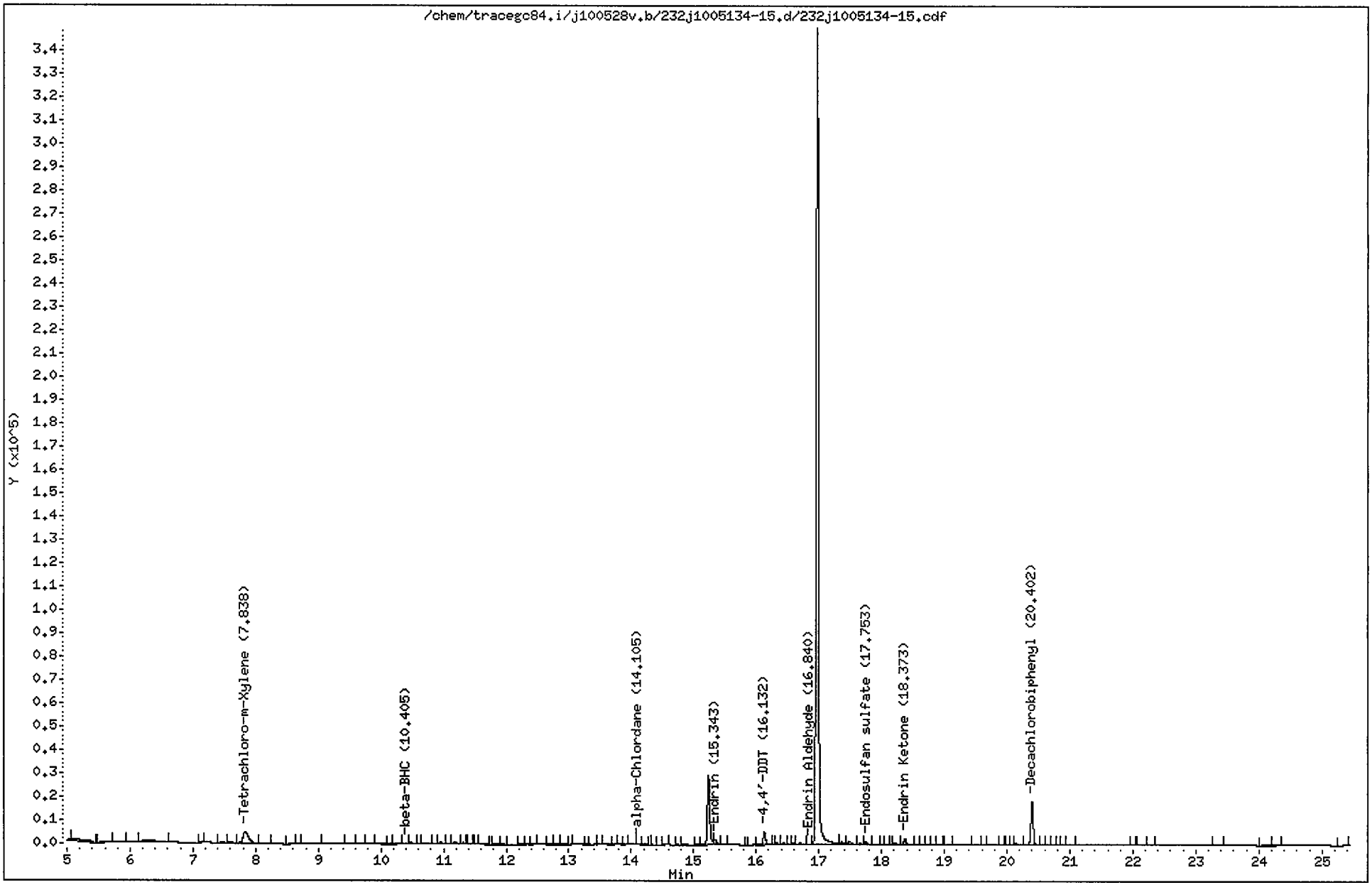
Sample Info: 1005134-15

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-15 Client Smp Id : SS12-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 07:47 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528v.b/8081A_clpestv6.m
Misc. Info : SS12-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 8(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
2.10		91658								
3.05		11567								
3.69		24924								
4.56		20530								
5.05		1447								
5.11		12920								
5.67		1321								
5.80		1188								
6.29		11786								
7.16		552								
7.47		1341								
7.60		1547								
7.84	7.77 7.91	30688	522758	Tetrachloro-m-Xylene	0.058702	10.63445		97.8	70 - 125	
8.13		2086								
8.63		588								
8.85		3334								
9.48		1065								
9.67		629								
9.98		1546								
10.15		534								
10.22		2021								
10.40	10.34 10.48	981	300532	beta-BHC	0.003264	0.591342	0.925000			J
10.48		2245								
10.73		1109								
10.96		1766								
11.18		2473								
11.32		854								
11.41		304								
11.54		164								
11.61		934								
11.83		697								
11.95		366								
12.23		211								
12.45		1277								
12.70		594								
12.78		1534								
12.91		1282								

CompuChem

Lab Smp Id : 1005134-15 Client Smp Id : SS12-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 07:47 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528v.b/8081A_clpestv6.m
Misc. Info : SS12-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 8(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
13.05		143								
13.29		132								
13.51		191								
13.57		1537								
13.72		248								
13.80		337								
13.94		365								
13.98		1894								
14.10	14.00 14.14	572	516712	alpha-Chlordane	0.001105	0.200193	1.847826			J
14.21		374								
14.32		135								
14.44		155								
14.54		1761								
14.74		225								
14.84		969								
15.05		281								
15.24		77580								
15.34	15.33 15.47	7061	463071	Endrin	0.015248	2.762354	3.586957			J
15.46		1328								
15.87		270								
16.13	16.08 16.22	16396	454781	4,4'-DDT	0.036052	6.531250	3.586957			
16.29		584								
16.33		1738								
16.44		2646								
16.52		444								
16.59		1747								
16.69		3042								
16.84	16.71 16.85	1699	348470	Endrin Aldehyde	0.004873	0.882741	3.586957			J
16.98		919734								
17.37		4454								
17.49		6340								
17.66		2496								
17.75	17.65 17.79	3577	392055	Endosulfan sulfate	0.009121	1.652386	3.586957			J
17.86		884								
18.02		257								
18.09		389								
18.15		184								

CompuChem

Lab Smp Id : 1005134-15 Client Smp Id : SS12-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 07:47 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528v.b/8081A_clpestv6.m
Misc. Info : SS12-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 8(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
18.22		2523								
18.37	18.24 18.38	7291	457258	Endrin Ketone	0.015943	2.888202	3.586957			J
18.66		150								
18.73		176								
18.84		614								
18.91		436								
19.06		650								
19.49		445								
19.73		786								
19.91		451								
20.00		174								
20.14		1018								
20.40	20.33 20.47	47385	408350	Decachlorobiphenyl	0.116038	21.02132		96.7	55 - 130	
20.57		446								
20.74		208								
20.89		263								
21.01		651								
22.01		148								
22.15		538								
22.26		131								
23.34		591								
24.15		1618								
24.27		1198								
25.39		656								

Data File: /chem/tracegc84.i/j100528v_2C.b/232j1005134-15.d

Date : 05-JUN-2010 07:47

Client ID: SS12-0-1

Instrument: tracegc84.i

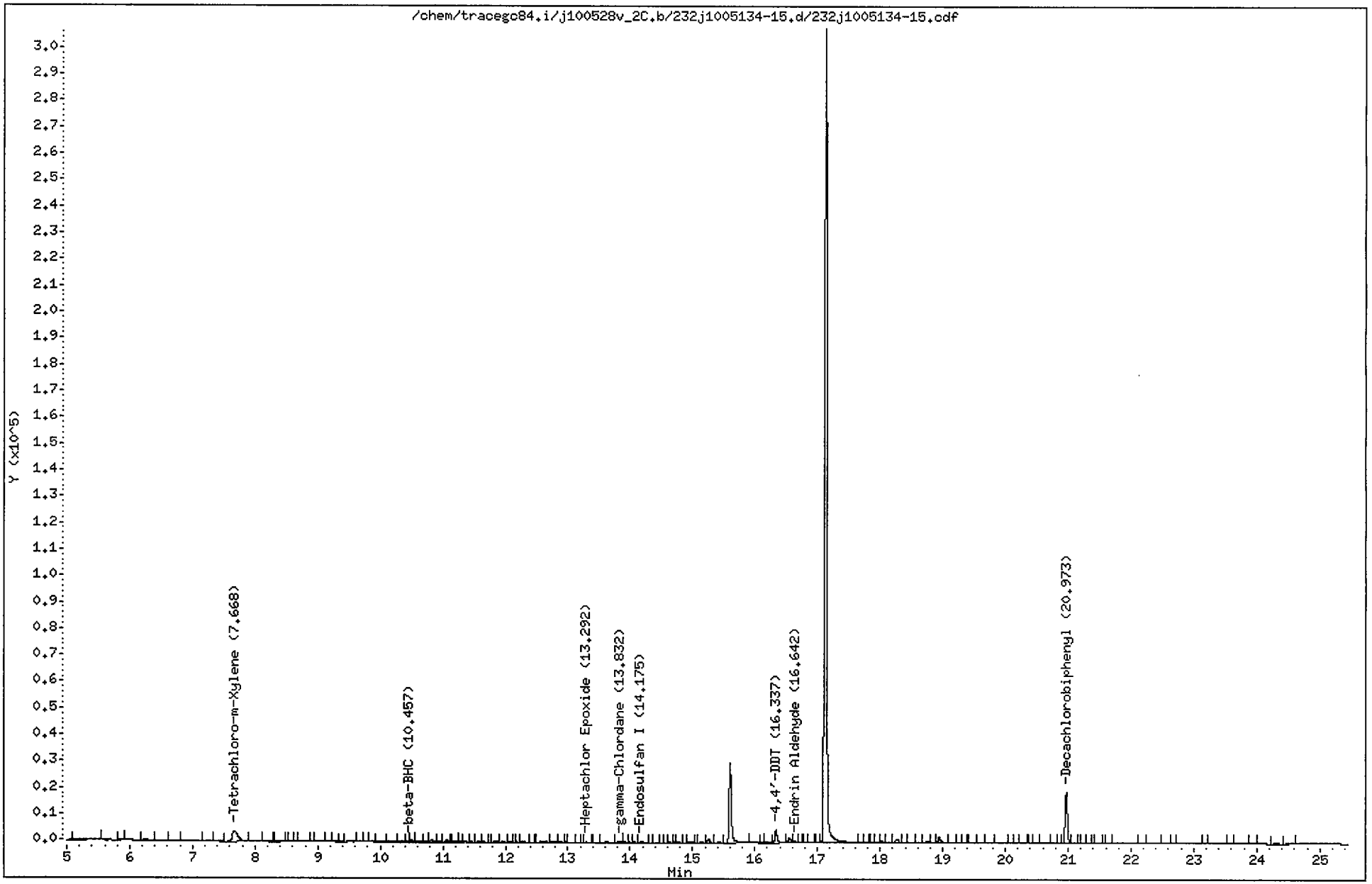
Sample Info: 1005134-15

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-15 Client Smp Id : SS12-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 07:47 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528v_2C.b/8081A_clpest2v6.m
Misc. Info : SS12-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 8(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.90			866584								
3.00			2533								
4.14			5635								
4.27			10830								
4.79			4162								
5.28			6793								
5.89			739								
6.25			1531								
6.67			1811								
6.92			3071								
7.39			1170								
7.67	7.61	7.75	25127	416798	Tetrachloro-m-Xylene	0.060286	10.92135		100.5	70 - 125	
8.17			865								
8.45			351								
8.57			234								
8.69			294								
8.73			1210								
9.01			974								
9.16			400								
9.27			532								
9.37			103								
9.67			400								
9.77			129								
10.01			1561								
10.16			1071								
10.36			306								
10.46	10.41	10.55	726	248610	beta-BHC	0.002916	0.528300	1.847826			J
10.51			1771								
10.62			646								
10.74			345								
10.81			2032								
10.95			335								
11.06			1964								
11.20			480								
11.27			371								
11.46			164								
11.57			281								

CompuChem

Lab Smp Id : 1005134-15 Client Smp Id : SS12-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 07:47 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528v_2C.b/8081A_clpest2v6.m
Misc. Info : SS12-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 8(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.65		310								
11.84		652								
11.97		467								
12.07		356								
12.18		106								
12.29		665								
12.42		198								
12.58		2156								
12.76		1848								
12.88		464								
12.96		128								
13.16		154								
13.29	13.29 13.43	573	511912	Heptachlor Epoxide	0.001117	0.202424	1.847826			J
13.44		268								
13.62		1508								
13.83	13.71 13.85	1049	513150	gamma-Chlordane	0.002044	0.370333	1.847826			J
13.90		558								
13.99		262								
14.07		285								
14.18	14.15 14.29	860	477982	Endosulfan I	0.001799	0.325947	1.847826			J
14.43		271								
14.50		118								
14.63		434								
14.71		261								
14.76		583								
14.87		91								
14.95		2366								
15.14		459								
15.26		3776								
15.44		471								
15.61		76649								
16.13		164								
16.21		369								
16.34	16.33 16.47	13307	405929	4,4'-DDT	0.032782	5.938698	3.586957			
16.55		4845								
16.64	16.59 16.73	1414	316985	Endrin Aldehyde	0.004458	0.807541	3.586957			J
16.71		522								

CompuChem

Lab Smp Id : 1005134-15 Client Smp Id : SS12-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 07:47 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528v_2C.b/8081A_clpest2v6.m
Misc. Info : SS12-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 8(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
16.82		477								
16.88		716								
17.04		185								
17.13		784740								
17.68		163								
17.77		192								
17.89		253								
17.95		403								
18.02		1453								
18.14		428								
18.28		5060								
18.50		307								
18.63		658								
18.76		1999								
18.83		849								
18.95		7375								
19.13		568								
19.25		100								
19.33		186								
19.45		368								
19.73		727								
20.09		344								
20.18		306								
20.25		467								
20.40		158								
20.61		793								
20.77		304								
20.86		207								
20.97	20.90 21.04	48676	406698	Decachlorobiphenyl	0.119686	21.68225		99.7	55 - 130	
21.08		424								
21.23		465								
21.32		189								
21.47		517								
21.64		156								
22.18		252								
22.56		436								
22.66		189								

CompuChem

Lab Smp Id : 1005134-15 Client Smp Id : SS12-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 07:47 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528v_2C.b/8081A_clpest2v6.m
Misc. Info : SS12-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 8(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
23.20		111								
23.59		121								
23.94		400								
24.33		1775								
24.55		994								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS31-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 22 decanted: (Y/N) Y Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

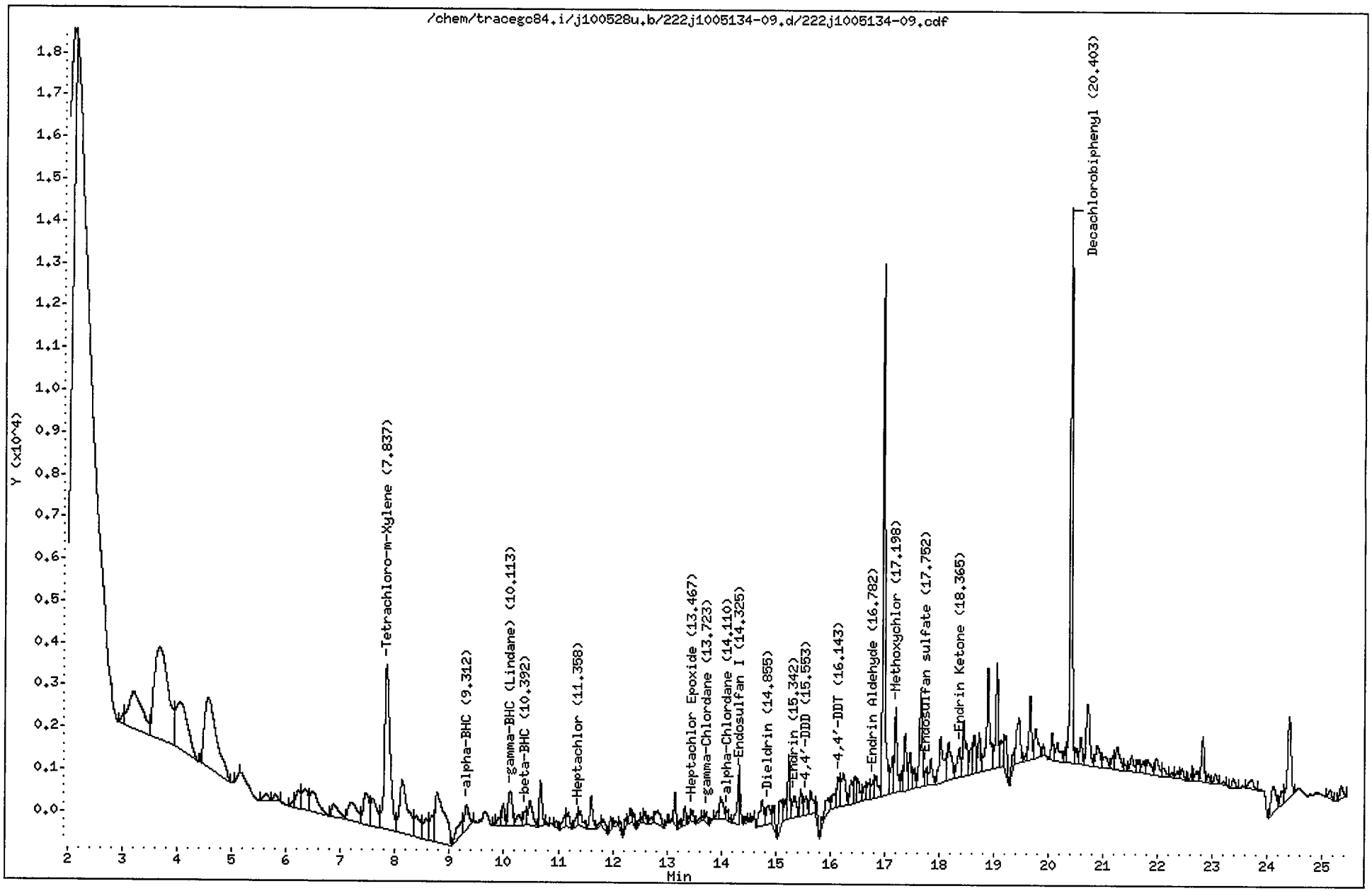
GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.2	U
319-85-7	beta-BHC	2.2	U
319-84-6	alpha-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	0.62	JP
72-54-8	4,4'-DDD	0.59	JP
72-55-9	4,4'-DDE	4.2	U
50-29-3	4,4'-DDT	4.2	U
60-57-1	Dieldrin	4.2	U
959-98-8	Endosulfan I	2.2	U
33213-65-9	Endosulfan II	4.2	U
1031-07-8	Endosulfan sulfate	0.55	JP
72-20-8	Endrin	4.2	U
7421-93-4	Endrin Aldehyde	4.2	U
76-44-8	Heptachlor	2.2	U
1024-57-3	Heptachlor Epoxide	0.34	J
72-43-5	Methoxychlor	22	U
8001-35-2	Toxaphene	110	U
53494-70-5	Endrin Ketone	1.5	JP
5103-74-2	gamma-Chlordane	0.22	J
5103-71-9	alpha-Chlordane	0.24	J

FORM I PEST

Data File: /chem/tracegc84.i/j100528u.b/222j1005134-09.d
Date : 05-JUN-2010 02:58
Client ID: SS31-0-1
Sample Info: 1005134-09
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i
Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-09 Client Smp Id : SS31-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 02:58 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528u.b/8081A_clpestv6.m
Misc. Info : SS31-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 22(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.50			9323								
1.72			3408								
2.09			23094								
3.02			805								
3.21			15504								
3.67			38552								
4.05			18150								
4.56			26043								
5.13			159								
5.63			1090								
5.80			723								
6.14			562								
6.22			2198								
6.35			4104								
6.48			5033								
6.86			2724								
7.21			5387								
7.46			5606								
7.59			5300								
7.84	7.77	7.91	27872	522758	Tetrachloro-m-Xylene	0.053317	11.39258		88.9	70 - 125	
8.13			13393								
8.38			4247								
8.58			3221								
8.68			2908								
8.77			14506								
9.24			2855								
9.31	9.29	9.43	3400	775960	alpha-BHC	0.004382	0.936254	2.179487			J
9.84			171								
9.91			801								
9.98			1856								
10.11	10.11	10.25	4229	729192	gamma-BHC (Lindane)	0.005798	1.238930	2.179487			J
10.28			1332								
10.39	10.34	10.48	1384	300532	beta-BHC	0.004602	0.983297	2.179487			J
10.47			3328								
10.67			3548								
10.78			178								
10.96			511								

CompuChem

Lab Smp Id : 1005134-09 Client Smp Id : SS31-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 02:58 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528u.b/8081A_clpestv6.m
Misc. Info : SS31-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 22(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.12		1146								
11.18		1433								
11.36	11.29 11.43	1241	695465	Heptachlor	0.001784	0.381286	2.179487			J
11.40		1705								
11.60		2851								
11.75		265								
11.83		1013								
11.97		809								
12.05		361								
12.14		615								
12.23		720								
12.32		1090								
12.39		680								
12.50		325								
12.56		340								
12.60		732								
12.71		518								
12.82		2479								
13.00		185								
13.09		194								
13.15		2064								
13.23		334								
13.33		1303								
13.41		294								
13.47	13.42 13.56	952	593700	Heptachlor Epoxide	0.001604	0.342629	2.179487			J
13.60		267								
13.66		303								
13.72	13.70 13.84	618	594875	gamma-Chlordane	0.001037	0.221622	2.179487			J
13.93		558								
13.99		2505								
14.11	14.00 14.14	614	516712	alpha-Chlordane	0.001188	0.253906	2.179487			JM2
14.14		272								
14.32	14.29 14.43	2797	548162	Endosulfan I	0.005103	1.090278	2.179487			J
14.44		351								
14.52		156								
14.57		136								
14.75		3298								

heff 6/9/10

CompuChem

Lab Smp Id : 1005134-09 Client Smp Id : SS31-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 02:58 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528u.b/8081A_clpestv6.m
Misc. Info : SS31-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 22(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
14.86	14.82 14.96	2355	515556	Dieldrin	0.004566	0.975629	4.230769			J
14.97		1656								
15.09		3240								
15.18		1377								
15.24		4241								
15.34	15.33 15.47	2632	463071	Endrin	0.005684	1.214485	4.230769			J
15.46		1914								
15.55	15.48 15.62	1715	393458	4,4'-DDD	0.004356	0.930823	4.230769			J
15.64		2505								
15.75		993								
15.85		458								
15.92		2037								
16.07		1561								
16.14	16.08 16.22	2260	454781	4,4'-DDT	0.004969	1.061842	4.230769			J
16.24		4769								
16.38		2082								
16.45		1898								
16.51		1994								
16.63		1200								
16.70		1532								
16.78	16.71 16.85	1534	348470	Endrin Aldehyde	0.004402	0.940620	4.230769			J
16.84		2327								
16.97		34409								
17.14		3234								
17.20	17.11 17.25	6180	194359	Methoxychlor	0.031792	6.793095	21.79487			J
17.32		1265								
17.37		4238								
17.46		2830								
17.54		1595								
17.66		8188								
17.75	17.65 17.79	1004	392055	Endosulfan sulfate	0.002558	0.546648	4.230769			J
17.84		2451								
18.02		6004								
18.17		4793								
18.36	18.24 18.38	3143	457258	Endrin Ketone	0.006874	1.468716	4.230769			J
18.44		5719								
18.57		2147								

CompuChem

Lab Smp Id : 1005134-09 Client Smp Id : SS31-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 02:58 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528u.b/8081A_clpestv6.m
Misc. Info : SS31-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 22(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
18.64		3450								
18.73		2811								
18.89		10641								
19.05		7652								
19.13		2352								
19.21		3663								
19.35		1428								
19.45		5424								
19.59		344								
19.66		4736								
19.77		3466								
19.90		663								
20.06		1874								
20.16		2324								
20.31		703								
20.40	20.33 20.47	35608	408350	Decachlorobiphenyl	0.087197	18.63189		72.7	55 - 130	
20.51		1076								
20.59		2053								
20.71		6548								
20.89		2801								
21.03		1589								
21.18		1092								
21.26		2985								
21.39		448								
21.52		1675								
21.63		1124								
21.73		1185								
21.81		1778								
21.97		1974								
22.11		1042								
22.25		468								
22.36		614								
22.45		924								
22.61		281								
22.71		888								
22.82		3632								
22.92		609								

CompuChem

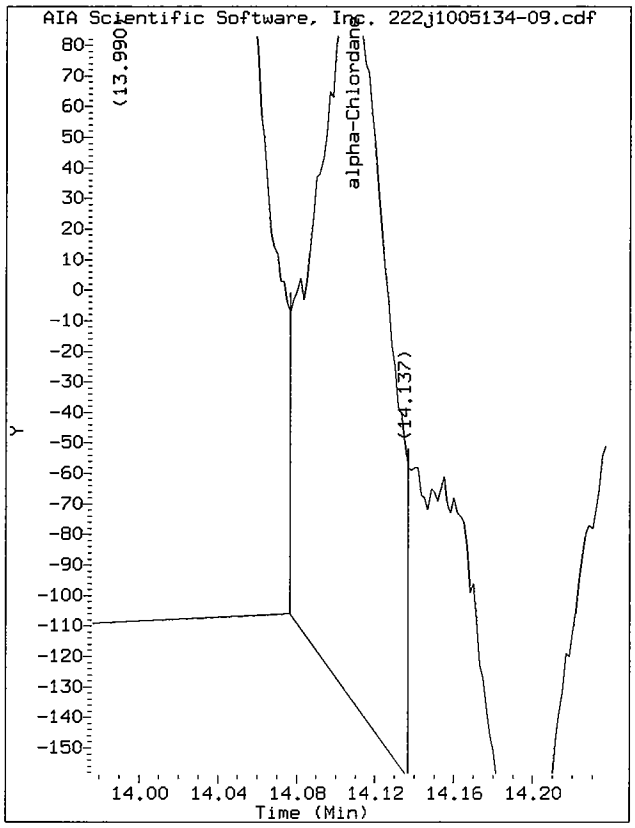
Lab Smp Id : 1005134-09 Client Smp Id : SS31-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 02:58 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528u.b/8081A_clpestv6.m
Misc. Info : SS31-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 22(%)

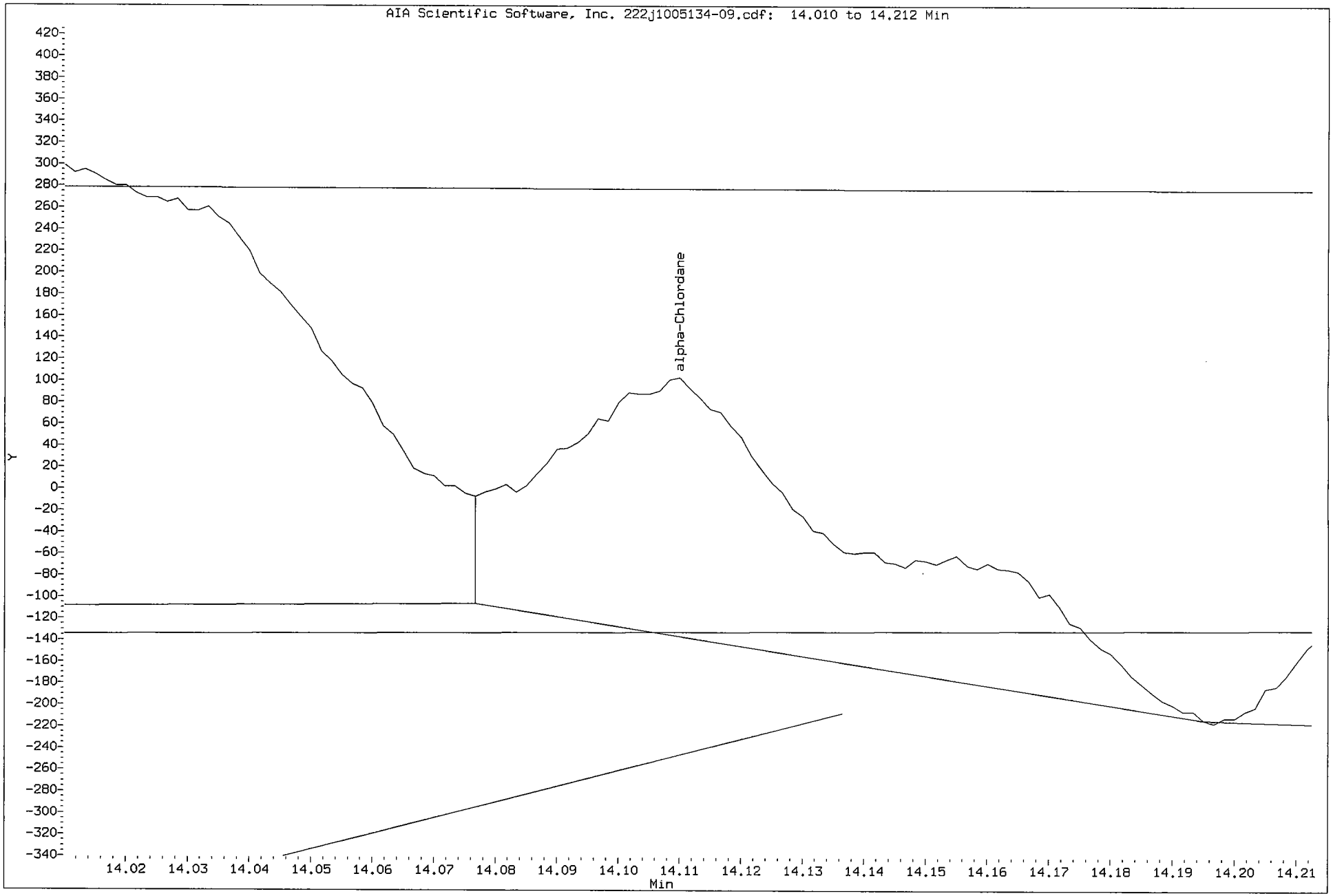
RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
23.05		891								
23.18		269								
23.38		940								
23.70		1297								
24.11		3916								
24.27		1432								
24.40		8723								
25.14		794								
25.35		1209								

Manually Integrated Peaks



Start: 14.08 Stop: 14.14

Data File: /chem/tracegc84.i/j100528u.b/222j1005134-09.d/222j1005134-09.cdf
Injection Date: 05-JUN-2010 02:58
Instrument: tracegc84.i
Client Sample ID: SS31-0-1



Data File: /chem/tracegc84.i/j100528u_2C.b/222j1005134-09.d

Page 1

Date : 05-JUN-2010 02:58

Client ID: SS31-0-1

Instrument: tracegc84.i

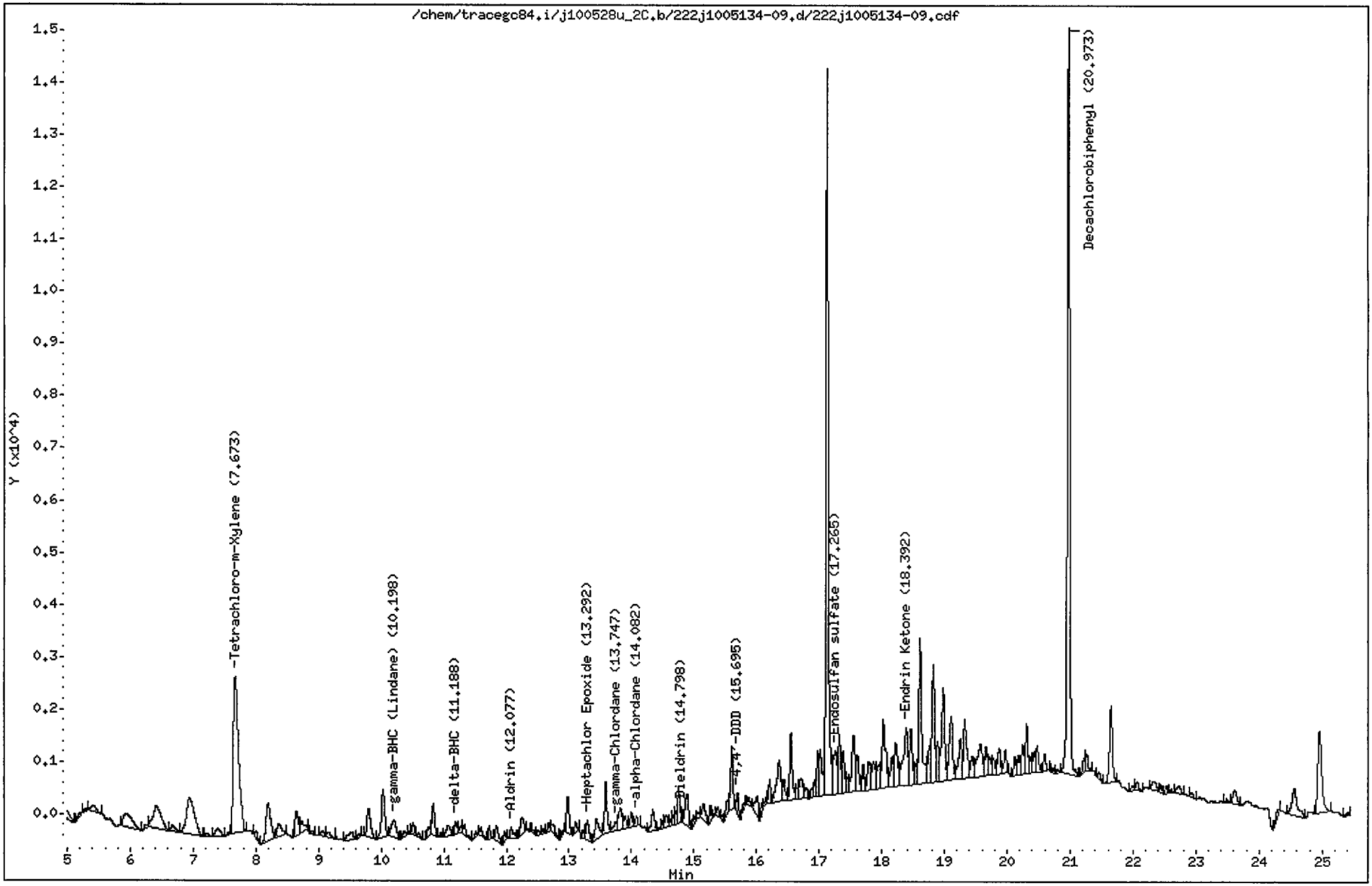
Sample Info: 1005134-09

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-09 Client Smp Id : SS31-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 02:58 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528u_2C.b/8081A_clpest2v6.m
Misc. Info : SS31-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 22(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.90		35526								
2.68		675								
3.01		21808								
4.14		5181								
4.17		14744								
4.83		1764								
5.23		205								
5.29		122								
5.40		631								
5.93		2506								
6.25		181								
6.41		3792								
6.67		589								
6.94		6209								
7.23		228								
7.40		919								
7.57		95								
7.67	7.61 7.75	17268	416798	Tetrachloro-m-Xylene	0.041430	8.852605		69.1*	70 - 125	R
8.01		379								
8.20		3613								
8.37		1172								
8.65		1798								
8.73		959								
8.89		184								
9.05		391								
9.16		424								
9.53		894								
9.64		148								
9.79		2205								
10.03		3241								
10.20	10.17 10.31	1716	585542	gamma-BHC (Lindane)	0.002929	0.625835	2.179487			J
10.37		336								
10.45		107								
10.51		578								
10.60		269								
10.75		471								
10.83		1886								

6/9/10

CompuChem

Lab Smp Id : 1005134-09 Client Smp Id : SS31-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 02:58 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528u_2C.b/8081A_clpest2v6.m
Misc. Info : SS31-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 22(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
10.96		173								
11.08		936								
11.19	11.11 11.25	729	551235	delta-BHC	0.001322	0.282582	2.179487			J
11.28		359								
11.33		542								
11.51		187								
11.59		476								
11.72		601								
11.84		1122								
11.97		445								
12.08	11.97 12.11	805	542192	Aldrin	0.001485	0.317246	2.179487			J
12.25		1309								
12.34		98								
12.42		179								
12.51		245								
12.59		168								
12.68		263								
12.73		680								
12.91		211								
12.98		2014								
13.10		495								
13.23		371								
13.29	13.29 13.43	1183	511912	Heptachlor Epoxide	0.002309	0.493374	2.179487			J
13.44		1637								
13.59		2755								
13.75	13.71 13.85	634	513150	gamma-Chlordane	0.001236	0.263997	2.179487			J
13.82		1760								
13.90		748								
14.00		802								
14.08	14.04 14.18	507	446248	alpha-Chlordane	0.001136	0.242765	2.179487			J
14.34		1491								
14.44		95								
14.50		287								
14.56		689								
14.63		227								
14.69		514								
14.72		491								

CompuChem

Lab Smp Id : 1005134-09 Client Smp Id : SS31-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 02:58 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528u_2C.b/8081A_clpest2v6.m
Misc. Info : SS31-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 22(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
14.75		1738								
14.80		202								
14.89		2266								
15.00		289								
15.06		346								
15.15		1242								
15.26		629								
15.38		476								
15.45		150								
15.53		661								
15.61		3133								
15.70	15.67 15.81	944	340626	4,4'-DDD	0.002768	0.591545	4.230769			J
15.79		346								
15.87		400								
16.01		1447								
16.08		286								
16.16		284								
16.21		908								
16.36		3752								
16.44		1138								
16.55		3483								
16.64		470								
16.71		1672								
16.80		614								
16.88		424								
16.94		616								
16.98		1955								
17.02		2763								
17.12		34021								
17.26	17.17 17.31	3644	366674	Endosulfan sulfate	0.009938	2.123502	4.230769			J
17.32		2929								
17.38		2278								
17.45		877								
17.55		4020								
17.61		2101								
17.70		1251								
17.79		2003								

CompuChem

Lab Smp Id : 1005134-09 Client Smp Id : SS31-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 02:58 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528u_2C.b/8081A_clpest2v6.m
Misc. Info : SS31-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 22(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
17.86		1991								
17.96		1829								
18.02		5097								
18.16		1907								
18.22		3218								
18.39	18.30 18.44	5544	419519	Endrin Ketone	0.013215	2.823748	4.230769			J
18.46		3399								
18.54		1001								
18.61		8698								
18.76		1916								
18.82		7009								
18.89		2115								
18.98		6221								
19.11		4700								
19.25		2937								
19.32		3983								
19.43		1243								
19.57		3579								
19.66		1529								
19.73		1005								
19.78		907								
19.87		1547								
19.97		1332								
20.12		921								
20.18		1050								
20.25		1590								
20.31		2549								
20.37		732								
20.43		930								
20.48		1479								
20.59		870								
20.73		138								
20.80		152								
20.97	20.90 21.04	38362	406698	Decachlorobiphenyl	0.094323	20.15452		78.6	55 - 130	
21.22		696								
21.27		871								
21.45		403								

CompuChem

Lab Smp Id : 1005134-09 Client Smp Id : SS31-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 02:58 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528u_2C.b/8081A_clpest2v6.m
Misc. Info : SS31-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 22(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
21.65		4646								
21.99		321								
22.07		512								
22.34		834								
22.45		311								
22.53		320								
22.61		147								
22.73		642								
22.93		205								
23.49		217								
23.61		1117								
24.30		473								
24.56		3085								
24.96		7060								
25.40		123								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS32-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 3 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.8	U
319-85-7	beta-BHC	1.8	U
319-84-6	alpha-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
72-54-8	4,4'-DDD	0.39	J
72-55-9	4,4'-DDE	3.4	U
50-29-3	4,4'-DDT	3.4	U
60-57-1	Dieldrin	3.4	U
959-98-8	Endosulfan I	1.8	U
33213-65-9	Endosulfan II	3.4	U
1031-07-8	Endosulfan sulfate	0.60	JP
72-20-8	Endrin	3.4	U
7421-93-4	Endrin Aldehyde	3.4	U
76-44-8	Heptachlor	1.8	U
1024-57-3	Heptachlor Epoxide	1.8	U
72-43-5	Methoxychlor	18	U
8001-35-2	Toxaphene	86	U
53494-70-5	Endrin Ketone	0.91	J
5103-74-2	gamma-Chlordane	1.8	U
5103-71-9	alpha-Chlordane	0.34	J

Data File: /chem/tracegc84.i/j100528u.b/223j1005134-10.d

Page 1

Date : 05-JUN-2010 03:27

Client ID: SS32-0-1

Instrument: tracegc84.i

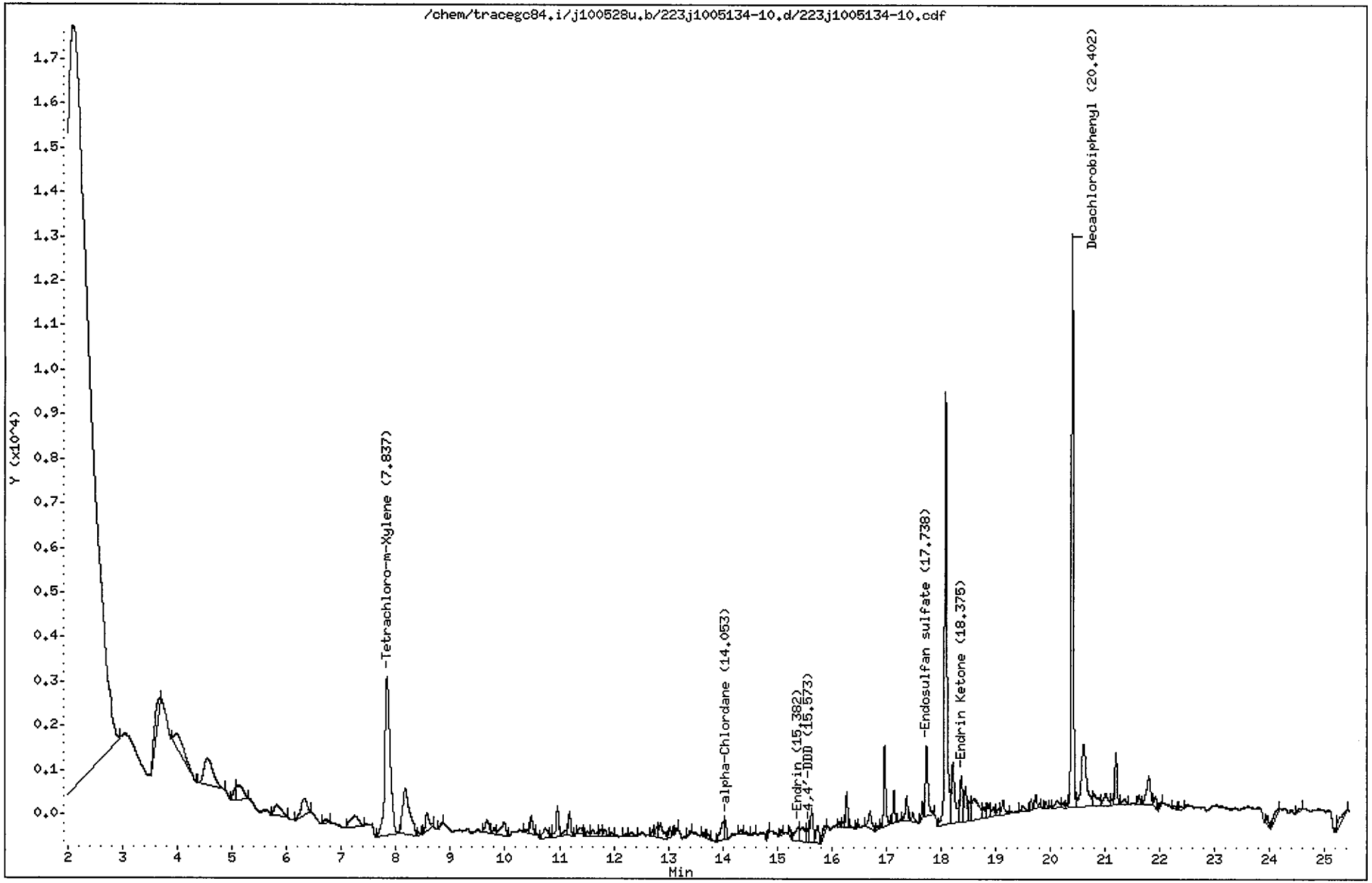
Sample Info: 1005134-10

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-10 Client Smp Id : SS32-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 03:27 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528u.b/8081A_clpestv6.m
Misc. Info : SS32-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 3(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.48		24386								
1.70		40400								
2.10		586041								
3.67		4078								
3.97		5037								
4.55		7395								
5.05		751								
5.11		2881								
5.81		2151								
6.32		2953								
6.72		362								
7.24		2663								
7.84	7.77 7.91	24915	522758	Tetrachloro-m-Xylene	0.047661	8.189128		79.4	70 - 125	
8.17		9088								
8.43		155								
8.57		1799								
8.85		211								
9.67		1500								
9.80		506								
9.98		1935								
10.39		281								
10.48		1360								
10.74		1302								
10.86		188								
10.96		2285								
11.11		502								
11.18		1690								
11.37		583								
11.52		457								
11.62		730								
11.76		492								
11.84		526								
11.96		295								
12.22		206								
12.32		348								
12.72		440								
12.79		669								

6/9/10

CompuChem

Lab Smp Id : 1005134-10 Client Smp Id : SS32-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 03:27 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528u.b/8081A_clpestv6.m
Misc. Info : SS32-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 3(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.86		1623								
13.03		613								
13.15		138								
13.39		139								
13.65		254								
13.73		282								
14.00		2092								
14.05	14.00 14.14	1026	516712	alpha-Chlordane	0.001984	0.340841	1.752577			J
14.34		319								
14.43		223								
14.56		163								
14.85		233								
15.07		274								
15.23		484								
15.38	15.33 15.47	1718	463071	Endrin	0.003710	0.637459	3.402062			J
15.46		1955								
15.57	15.48 15.62	1098	393458	4,4'-DDD	0.002788	0.479055	3.402062			J
15.63		2688								
15.74		1518								
15.87		684								
16.14		249								
16.21		344								
16.27		1964								
16.46		126								
16.70		1647								
16.84		263								
16.97		4843								
17.14		1807								
17.37		1729								
17.49		576								
17.66		776								
17.74	17.65 17.79	5053	392055	Endosulfan sulfate	0.012888	2.214519	3.402062			J
18.09		30279								
18.22		6069								
18.38	18.24 18.38	3305	457258	Endrin Ketone	0.007228	1.241903	3.402062			J
18.45		2429								
18.52		1299								

CompuChem

Lab Smp Id : 1005134-10 Client Smp Id : SS32-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 03:27 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528u.b/8081A_clpestv6.m
Misc. Info : SS32-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 3(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
18.60		4298								
18.78		779								
18.86		1090								
18.96		776								
19.05		579								
19.13		1168								
19.49		539								
19.65		576								
19.73		977								
19.91		381								
20.14		901								
20.24		368								
20.32		269								
20.40	20.33 20.47	33715	408350	Decachlorobiphenyl	0.082562	14.18583		68.8	55 - 130	
20.61		9765								
20.80		1710								
21.01		1382								
21.12		377								
21.20		3197								
21.36		545								
21.61		534								
21.80		3207								
21.92		737								
22.01		223								
22.27		270								
22.40		270								
23.95		655								
24.16		989								
24.57		247								
25.43		1605								

Data File: /chem/tracegc84.i/j100528u_2C.b/223j1005134-10.d

Date : 05-JUN-2010 03:27

Client ID: SS32-0-1

Instrument: tracegc84.i

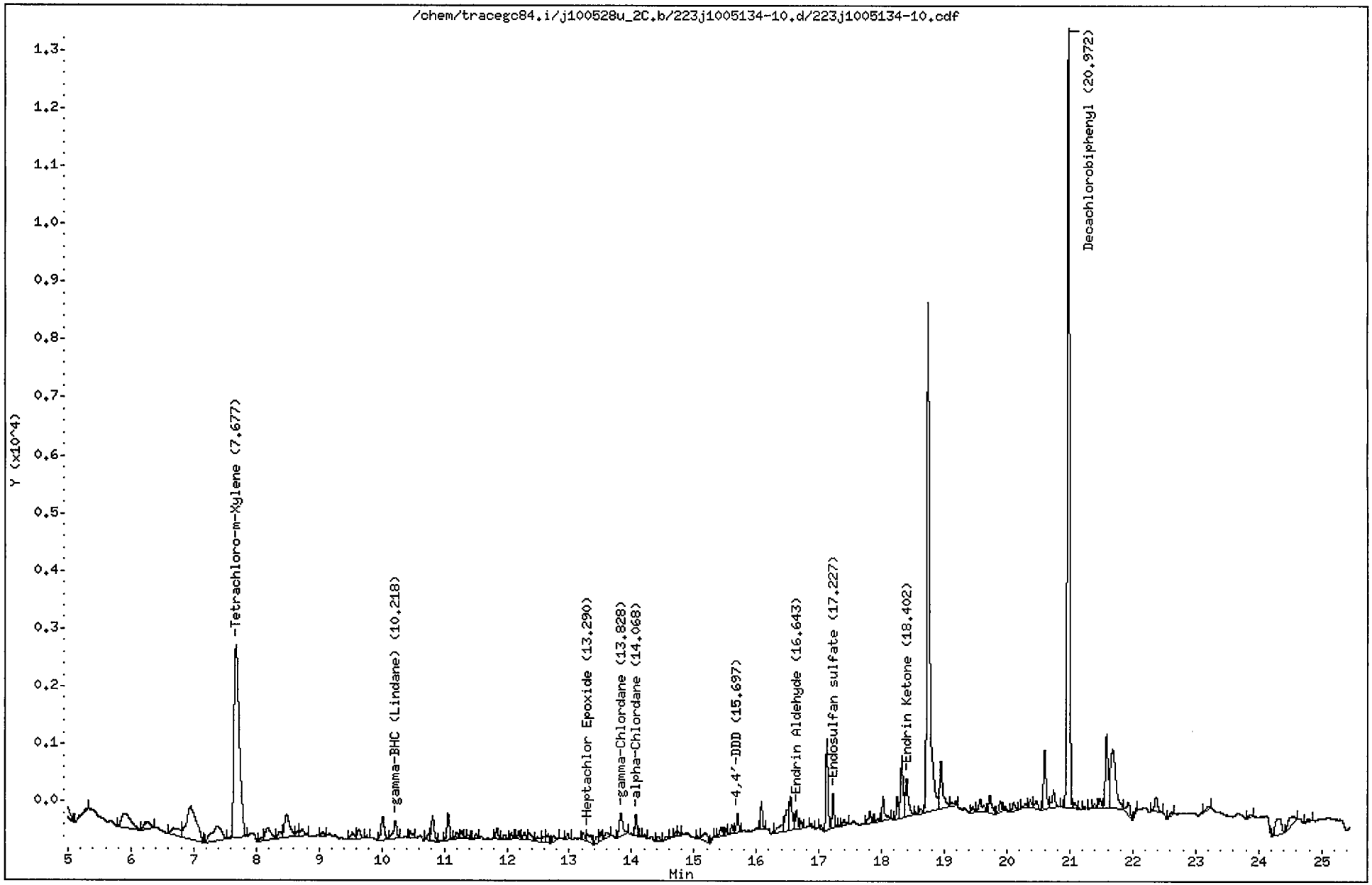
Sample Info: 1005134-10

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-10 Client Smp Id : SS32-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 03:27 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528u_2C.b/8081A_clpest2v6.m
Misc. Info : SS32-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 3(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.90			527292								
3.00			6966								
4.20			628								
4.81			2943								
5.30			356								
5.89			2574								
6.26			825								
6.69			1208								
6.95			6152								
7.39			2582								
7.68	7.61	7.75	19802	416798	Tetrachloro-m-Xylene	0.047510	8.163210		79.2	70 - 125	
8.09			140								
8.18			1364								
8.38			449								
8.48			2372								
8.65			307								
8.73			437								
9.06			210								
9.54			396								
9.64			529								
9.76			114								
10.01			1455								
10.22	10.17	10.31	1231	585542	gamma-BHC (Lindane)	0.002101	0.360931	1.752577			J
10.46			464								
10.75			265								
10.81			1384								
11.06			1357								
11.21			348								
11.27			271								
11.38			135								
11.51			253								
11.84			489								
11.96			211								
12.07			230								
12.19			350								
12.28			404								
12.36			563								

CompuChem

Lab Smp Id : 1005134-10 Client Smp Id : SS32-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 03:27 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528u_2C.b/8081A_clpest2v6.m
Misc. Info : SS32-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 3(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.49		348								
12.59		298								
12.66		524								
12.76		376								
12.97		212								
13.23		332								
13.29	13.29 13.43	745	511912	Heptachlor Epoxide	0.001453	0.249721	1.752577			J
13.45		368								
13.51		435								
13.60		367								
13.83	13.71 13.85	1562	513150	gamma-Chlordane	0.003042	0.522680	1.752577			J
14.07	14.04 14.18	895	446248	alpha-Chlordane	0.002003	0.344222	1.752577			J
14.21		124								
14.43		315								
14.56		139								
14.71		192								
14.76		130								
15.06		104								
15.18		775								
15.32		121								
15.45		480								
15.52		188								
15.61		376								
15.70	15.67 15.81	782	340626	4,4'-DDD	0.002296	0.394462	3.402062			J
16.08		1071								
16.40		731								
16.49		1490								
16.55		2054								
16.64	16.59 16.73	870	316985	Endrin Aldehyde	0.002745	0.471582	3.402062			J
16.71		308								
16.87		154								
17.03		204								
17.12		3656								
17.23	17.17 17.31	1282	366674	Endosulfan sulfate	0.003494	0.600270	3.402062			J
17.39		320								
17.82		608								
17.95		189								

CompuChem

Lab Smp Id : 1005134-10 Client Smp Id : SS32-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 03:27 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528u_2C.b/8081A_clpest2v6.m
Misc. Info : SS32-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 3(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
18.02		1145								
18.25		875								
18.32		2926								
18.40	18.30 18.44	2216	419519	Endrin Ketone	0.005282	0.907602	3.402062			J
18.54		102								
18.62		277								
18.74		27938								
18.95		2939								
19.13		328								
19.45		293								
19.57		971								
19.73		1087								
19.89		542								
19.97		217								
20.10		445								
20.30		223								
20.37		380								
20.47		429								
20.60		2847								
20.74		1038								
20.97	20.90 21.04	34351	406698	Decachlorobiphenyl	0.084461	14.51217		70.4	55 - 130	
21.08		287								
21.23		91								
21.40		233								
21.48		545								
21.58		3788								
21.68		6320								
21.93		850								
22.06		185								
22.37		887								
22.63		218								
23.21		156								
23.87		138								
24.33		1926								
24.54		1210								
24.79		180								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS32D-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 3 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.8	U
319-85-7	beta-BHC	1.8	U
319-84-6	alpha-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
72-54-8	4,4'-DDD	3.4	U
72-55-9	4,4'-DDE	3.4	U
50-29-3	4,4'-DDT	3.4	U
60-57-1	Dieldrin	3.4	U
959-98-8	Endosulfan I	1.8	U
33213-65-9	Endosulfan II	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
72-20-8	Endrin	1.4	JP
7421-93-4	Endrin Aldehyde	3.4	U
76-44-8	Heptachlor	1.8	U
1024-57-3	Heptachlor Epoxide	1.8	U
72-43-5	Methoxychlor	2.8	JP
8001-35-2	Toxaphene	86	U
53494-70-5	Endrin Ketone	2.8	J
5103-74-2	gamma-Chlordane	1.8	U
5103-71-9	alpha-Chlordane	1.8	U

Data File: /chem/tracegc84.i/j100528u.b/224j1005134-11.d

Date : 05-JUN-2010 03:55

Client ID: SS32D-0-1

Instrument: tracegc84.i

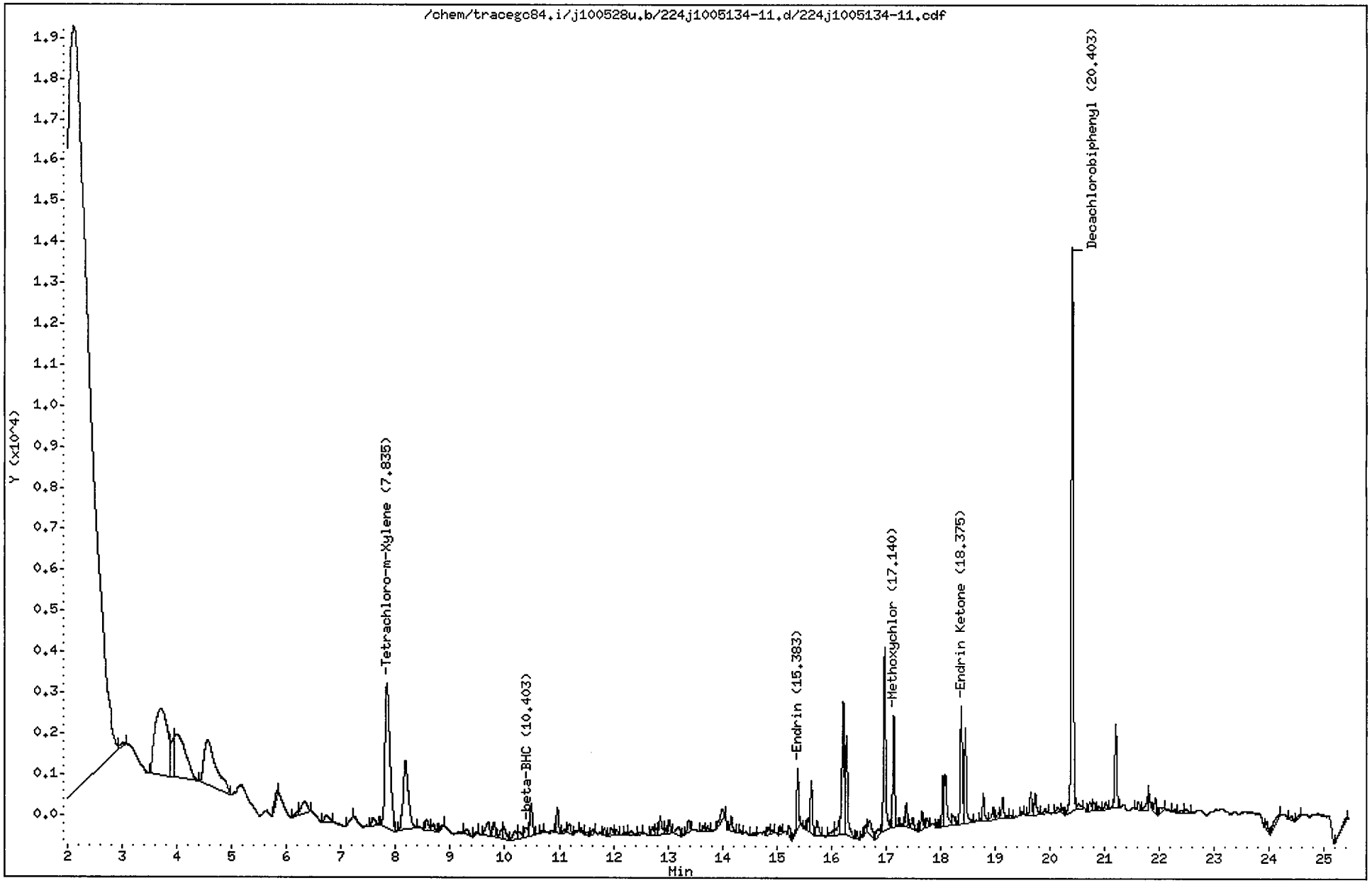
Sample Info: 1005134-11

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-11 Client Smp Id : SS32D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 03:55 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528u.b/8081A_clpestv6.m
Misc. Info : SS32D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 3(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.36			227								
1.49			24025								
1.70			43914								
2.11			628711								
3.01			536								
3.70			26106								
3.95			3967								
3.99			14396								
4.55			17016								
5.82			544								
6.22			453								
6.32			2094								
6.74			1000								
7.21			183								
7.59			912								
7.84	7.77	7.91	22307	522758	Tetrachloro-m-Xylene	0.042672	7.331923		71.1	70 - 125	
8.18			11380								
8.56			1087								
8.68			800								
8.87			195								
9.30			455								
9.49			153								
9.70			1776								
9.80			1296								
9.94			657								
9.98			1320								
10.19			952								
10.27			698								
10.40	10.34	10.48	1066	300532	beta-BHC	0.003547	0.609457	1.752577			J
10.48			2644								
10.66			150								
10.97			1785								
11.11			283								
11.19			805								
11.41			239								
11.50			267								
11.62			284								

KSH 6/9/10

CompuChem

Lab Smp Id : 1005134-11 Client Smp Id : SS32D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 03:55 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528u.b/8081A_clpestv6.m
Misc. Info : SS32D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 3(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.83		486								
11.96		656								
12.05		416								
12.22		200								
12.33		512								
12.46		230								
12.72		624								
12.79		378								
12.86		1462								
12.96		364								
13.02		918								
13.19		1029								
13.38		1002								
13.65		394								
13.73		282								
14.00		1163								
14.17		979								
14.33		149								
14.57		265								
14.84		603								
14.92		214								
15.06		420								
15.23		648								
15.38	15.33 15.47	3867	463071	Endrin	0.008349	1.434469	3.402062			J
15.51		186								
15.57		677								
15.63		3330								
15.73		1346								
16.05		594								
16.14		1115								
16.22		9436								
16.27		7002								
16.47		443								
16.63		434								
16.70		1691								
16.87		797								
16.97		11785								

CompuChem

Lab Smp Id : 1005134-11 Client Smp Id : SS32D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 03:55 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528u.b/8081A_clpestv6.m
Misc. Info : SS32D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 3(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
17.14	17.11 17.25	6672	194359	Methoxychlor	0.034328	5.898321	17.52577			J
17.30		173								
17.37		1521								
17.49		880								
17.66		1183								
17.75		691								
17.91		158								
18.04		2871								
18.09		4190								
18.23		813								
18.38	18.24 18.38	7409	457258	Endrin Ketone	0.016203	2.784042	3.402062			J
18.45		6268								
18.74		136								
18.78		1655								
18.96		892								
19.05		507								
19.14		1613								
19.28		213								
19.49		217								
19.65		1471								
19.73		1523								
19.91		410								
20.15		338								
20.24		325								
20.40	20.33 20.47	36012	408350	Decachlorobiphenyl	0.088187	15.15234		73.5	55 - 130	
20.52		593								
20.73		693								
20.80		593								
20.89		246								
21.02		515								
21.20		5282								
21.62		510								
21.80		1033								
21.93		942								
22.02		596								
22.28		278								
22.40		290								

CompuChem

Lab Smp Id : 1005134-11 Client Smp Id : SS32D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 03:55 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528u.b/8081A_clpestv6.m
Misc. Info : SS32D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 3(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
22.49		358								
23.95		610								
24.19		1049								
24.40		340								
24.56		177								
25.41		550								

Data File: /chem/tracegc84.i/j100528u_2C.b/224j1005134-11.d

Date : 05-JUN-2010 03:55

Client ID: SS32D-0-1

Instrument: tracegc84.i

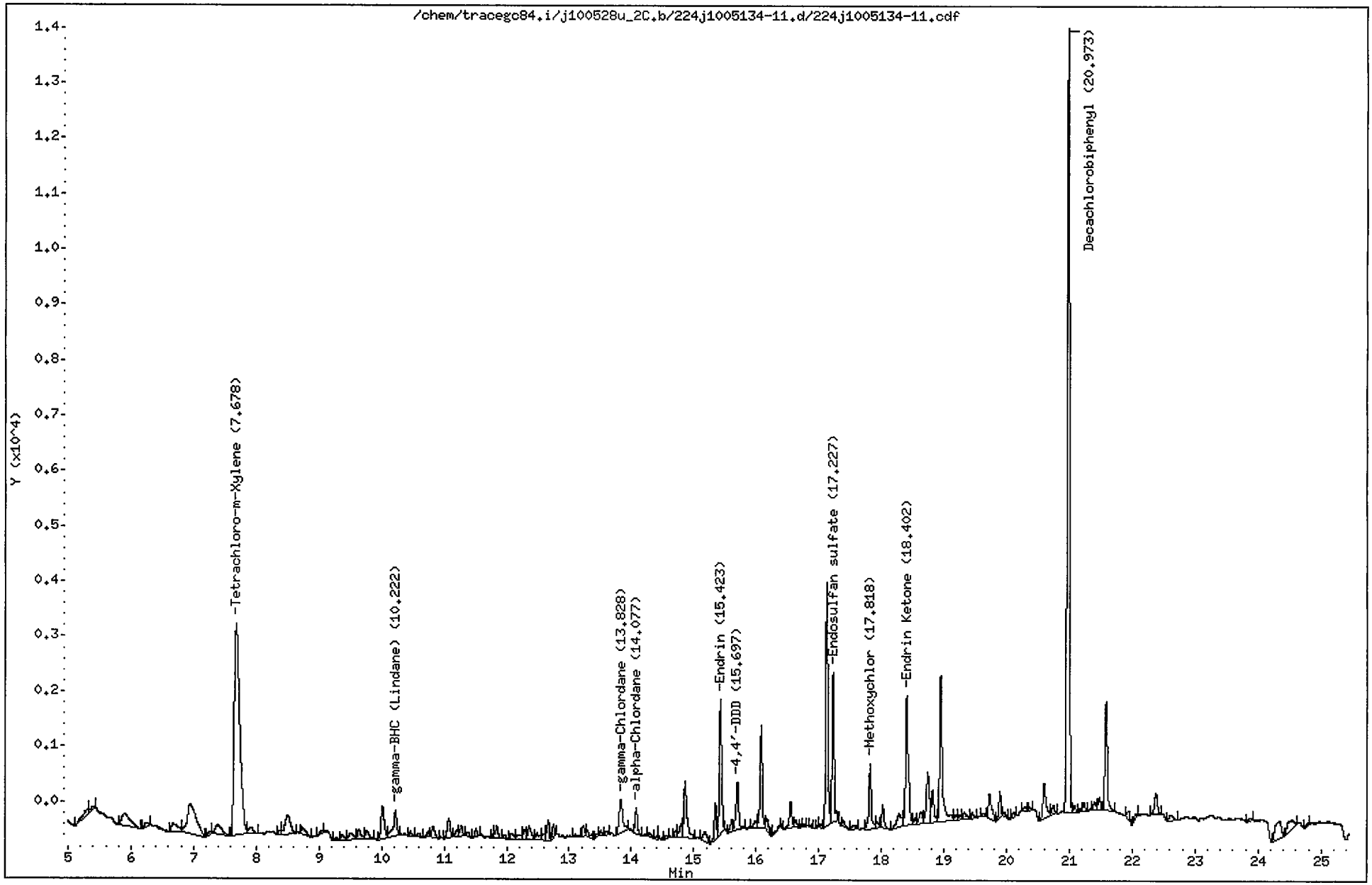
Sample Info: 1005134-11

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-11 Client Smp Id : SS32D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 03:55 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528u_2C.b/8081A_clpest2v6.m
Misc. Info : SS32D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 3(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.91			555203								
3.02			6307								
4.14			582								
4.27			795								
5.32			707								
5.40			266								
5.90			2010								
6.25			241								
6.68			1087								
6.93			5468								
7.27			200								
7.39			1146								
7.68	7.61	7.75	23569	416798	Tetrachloro-m-Xylene	0.056548	9.716124		94.2	70 - 125	
7.91			535								
8.38			277								
8.51			2041								
8.73			708								
9.05			142								
9.28			146								
9.37			315								
9.51			594								
9.63			691								
9.76			596								
10.01			2170								
10.22	10.17	10.31	1962	585542	gamma-BHC (Lindane)	0.003349	0.575435	1.752577			J
10.46			226								
10.59			244								
10.74			246								
10.82			655								
11.07			1125								
11.20			333								
11.28			505								
11.38			260								
11.51			367								
11.79			169								
11.84			648								
11.97			211								

CompuChem

Lab Smp Id : 1005134-11 Client Smp Id : SS32D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 03:55 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528u_2C.b/8081A_clpest2v6.m
Misc. Info : SS32D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 3(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.08		393								
12.21		401								
12.28		612								
12.36		945								
12.48		520								
12.59		339								
12.67		1090								
12.75		573								
13.10		196								
13.23		491								
13.29		484								
13.45		164								
13.51		187								
13.59		235								
13.83	13.71 13.85	2424	513150	gamma-Chlordane	0.004722	0.811309	1.752577			J
14.08	14.04 14.18	1262	446248	alpha-Chlordane	0.002826	0.485530	1.752577			J
14.28		243								
14.42		163								
14.57		126								
14.71		309								
14.80		767								
14.86		3611								
15.18		725								
15.35		1470								
15.42	15.40 15.54	6328	408649	Endrin	0.015483	2.660264	3.402062			J
15.61		537								
15.70	15.67 15.81	2568	340626	4,4'-DDD	0.007536	1.294866	3.402062			J
15.98		345								
16.08		4652								
16.17		594								
16.36		214								
16.40		141								
16.55		1302								
16.64		406								
16.71		112								
16.77		101								
16.88		93								

CompuChem

Lab Smp Id : 1005134-11 Client Smp Id : SS32D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 03:55 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528u_2C.b/8081A_clpest2v6.m
Misc. Info : SS32D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 3(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
16.98		105								
17.04		171								
17.12		10162								
17.23	17.17 17.31	6528	366674	Endosulfan sulfate	0.017801	3.058516	3.402062			J
17.39		321								
17.55		265								
17.82	17.79 17.93	3032	182916	Methoxychlor	0.016576	2.848099	17.52577			J
17.93		383								
18.02		1089								
18.28		1338								
18.40	18.30 18.44	6977	419519	Endrin Ketone	0.016629	2.857144	3.402062			J
18.53		318								
18.64		819								
18.74		3066								
18.82		1697								
18.95		7933								
19.19		218								
19.25		227								
19.32		468								
19.45		270								
19.64		160								
19.73		1571								
19.89		993								
19.97		194								
20.11		266								
20.29		242								
20.37		106								
20.60		2257								
20.75		480								
20.97	20.90 21.04	36331	406698	Decachlorobiphenyl	0.089332	15.34910		74.4	55 - 130	
21.08		260								
21.16		134								
21.23		382								
21.40		437								
21.48		630								
21.58		5331								
21.94		516								

CompuChem

Lab Smp Id : 1005134-11 Client Smp Id : SS32D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 03:55 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528u_2C.b/8081A_clpest2v6.m
Misc. Info : SS32D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 3(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
22.06		254								
22.38		1263								
22.61		435								
23.87		169								
24.34		2068								
24.54		1173								
24.79		104								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS33-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 22 decanted: (Y/N) Y Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.2	U
319-85-7	beta-BHC	0.87	J
319-84-6	alpha-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
72-54-8	4,4'-DDD	4.2	U
72-55-9	4,4'-DDE	0.52	J
50-29-3	4,4'-DDT	0.64	J
60-57-1	Dieldrin	4.2	U
959-98-8	Endosulfan I	0.63	J
33213-65-9	Endosulfan II	4.2	U
1031-07-8	Endosulfan sulfate	4.2	U
72-20-8	Endrin	4.2	U
7421-93-4	Endrin Aldehyde	4.2	U
76-44-8	Heptachlor	2.2	U
1024-57-3	Heptachlor Epoxide	2.2	U
72-43-5	Methoxychlor	22	U
8001-35-2	Toxaphene	110	U
53494-70-5	Endrin Ketone	4.2	U
5103-74-2	gamma-Chlordane	2.2	U
5103-71-9	alpha-Chlordane	2.2	U

Data File: /chem/tracegc84.i/j100528u.b/219j1005134-06.d

Page 1

Date : 05-JUN-2010 01:31

Client ID: SS33-0-1

Instrument: tracegc84.i

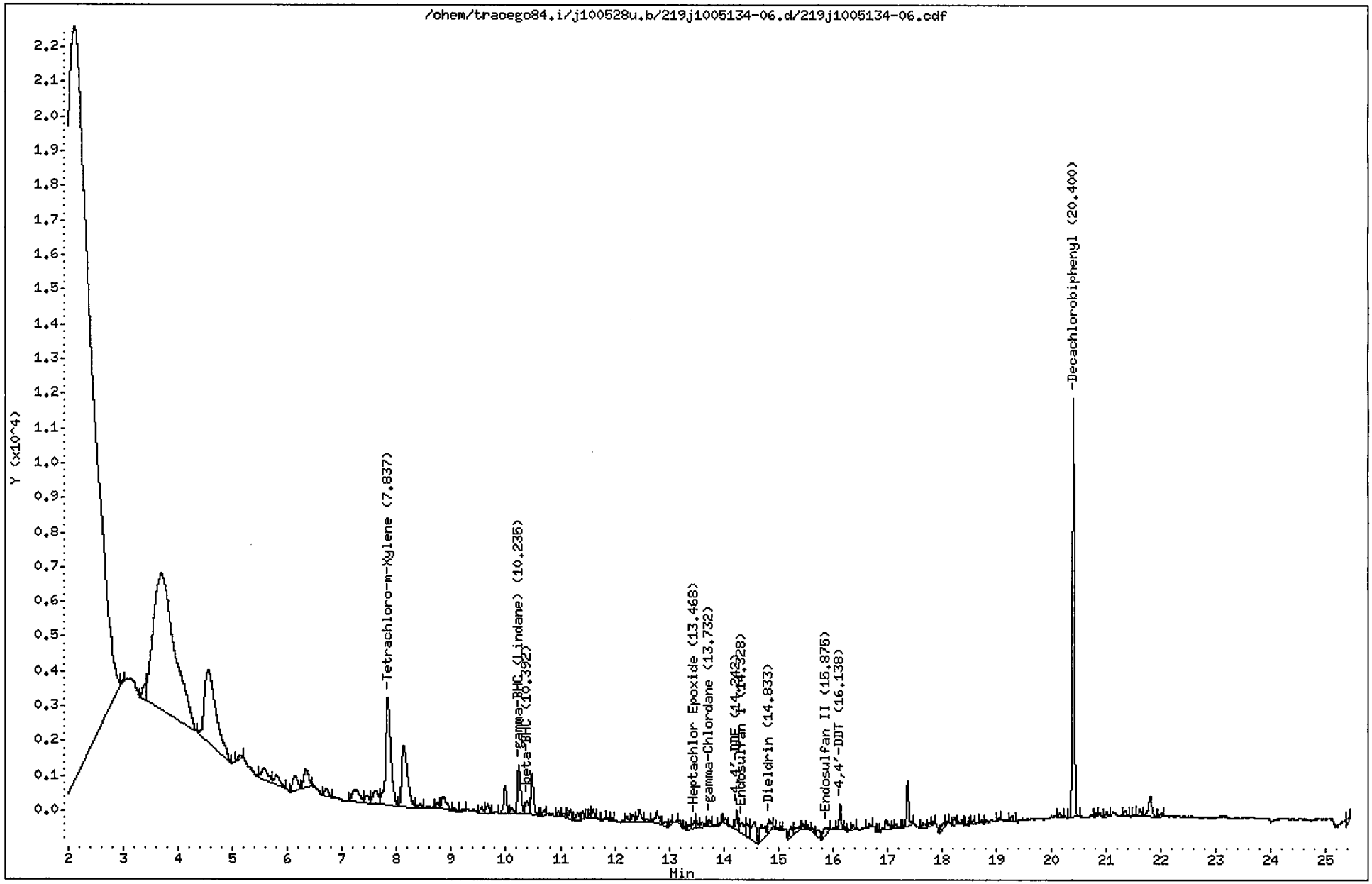
Sample Info: 1005134-06

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-06 Client Smp Id : SS33-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 01:31 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528u.b/8081A_clpestv6.m
Misc. Info : SS33-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 22(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.49			25754								
2.11			811662								
2.99			161								
3.41			1973								
3.69			105617								
4.56			31178								
5.13			521								
5.58			2699								
5.80			1821								
6.14			2744								
6.33			3186								
6.71			1210								
7.25			3467								
7.45			1155								
7.61			2570								
7.84	7.77	7.91	20933	522758	Tetrachloro-m-Xylene	0.040043	8.556287		66.7*	70 - 125	R
8.13			12945								
8.43			537								
8.74			574								
8.84			2402								
9.06			266								
9.22			125								
9.55			588								
9.67			1123								
9.99			3042								
10.10			722								
10.24	10.11	10.25	5702	729192	gamma-BHC (Lindane)	0.007820	1.670857	2.179487			J
10.39	10.34	10.48	1620	300532	beta-BHC	0.005390	1.151802	2.179487			J
10.48			4322								
10.71			490								
10.97			489								
11.08			500								
11.19			1021								
11.31			862								
11.41			572								
11.54			238								
11.61			749								

CompuChem

Lab Smp Id : 1005134-06 Client Smp Id : SS33-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 01:31 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528u.b/8081A_clpestv6.m
Misc. Info : SS33-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 22(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.82		137								
11.94		157								
12.22		459								
12.33		623								
12.45		1504								
12.59		416								
12.78		1794								
12.93		489								
13.03		311								
13.18		537								
13.29		193								
13.35		457								
13.47	13.42 13.56	852	593700	Heptachlor Epoxide	0.001433	0.306279	2.179487			JM2
13.50		442								
13.60		637								
13.73		589								
13.79		87								
13.94		137								
14.04		479								
14.24	14.19 14.33	1701	523741	4,4'-DDE	0.003248	0.693972	4.230769			J
14.33	14.29 14.43	1609	548162	Endosulfan I	0.002935	0.627193	2.179487			J
14.44		1608								
14.56		3425								
14.69		2784								
14.83	14.82 14.96	1345	515556	Dieldrin	0.002607	0.557028	4.230769			J
14.98		200								
15.05		224								
15.24		1063								
15.33		734								
15.46		403								
15.55		301								
15.63		359								
15.73		879								
15.88	15.81 15.95	1277	450326	Endosulfan II	0.002836	0.605923	4.230769			J
16.07		164								
16.14	16.08 16.22	1716	454781	4,4'-DDT	0.003771	0.805779	4.230769			J
16.28		120								

JM2 6/9/10

CompuChem

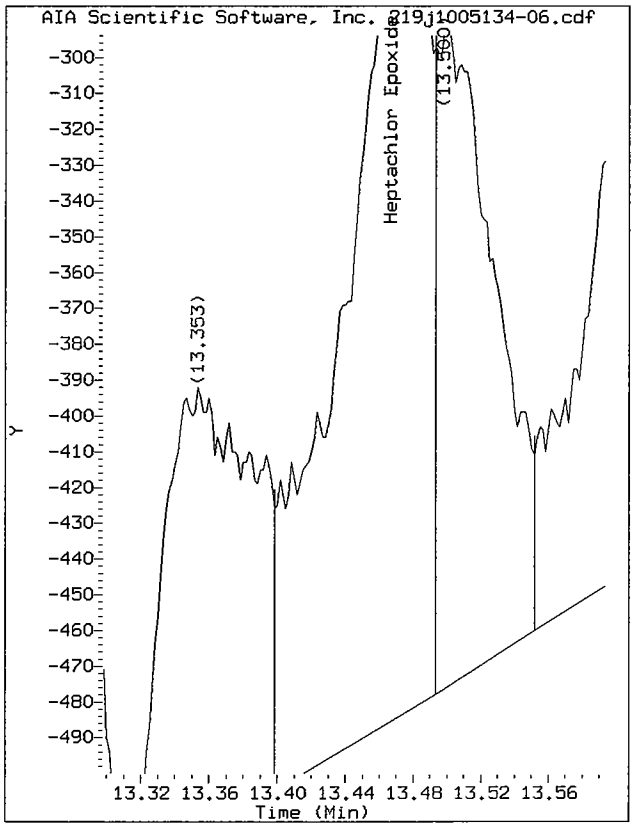
Lab Smp Id : 1005134-06 Client Smp Id : SS33-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 01:31 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528u.b/8081A_clpestv6.m
Misc. Info : SS33-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 22(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
16.36		395								
16.67		271								
16.83		215								
16.98		965								
17.16		469								
17.37		3609								
17.66		683								
17.77		288								
17.84		187								
18.03		943								
18.10		290								
18.23		607								
18.30		293								
18.48		193								
18.57		283								
18.73		191								
19.05		153								
19.28		483								
20.15		254								
20.40	20.33 20.47	31224	408350	Decachlorobiphenyl	0.076464	16.33842		63.7	55 - 130	
20.82		202								
21.01		410								
21.35		481								
21.53		169								
21.61		603								
21.80		2652								
22.00		246								
25.43		389								

Manually Integrated Peaks



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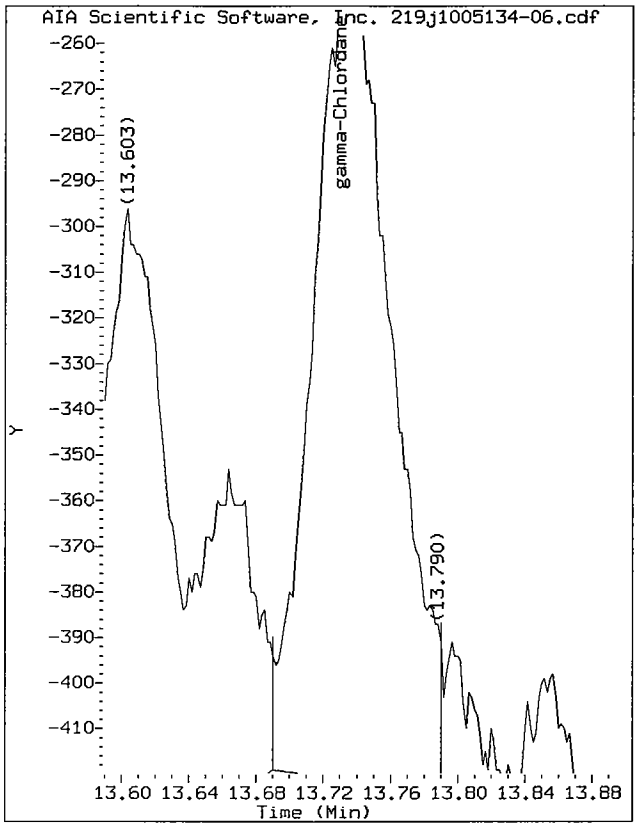

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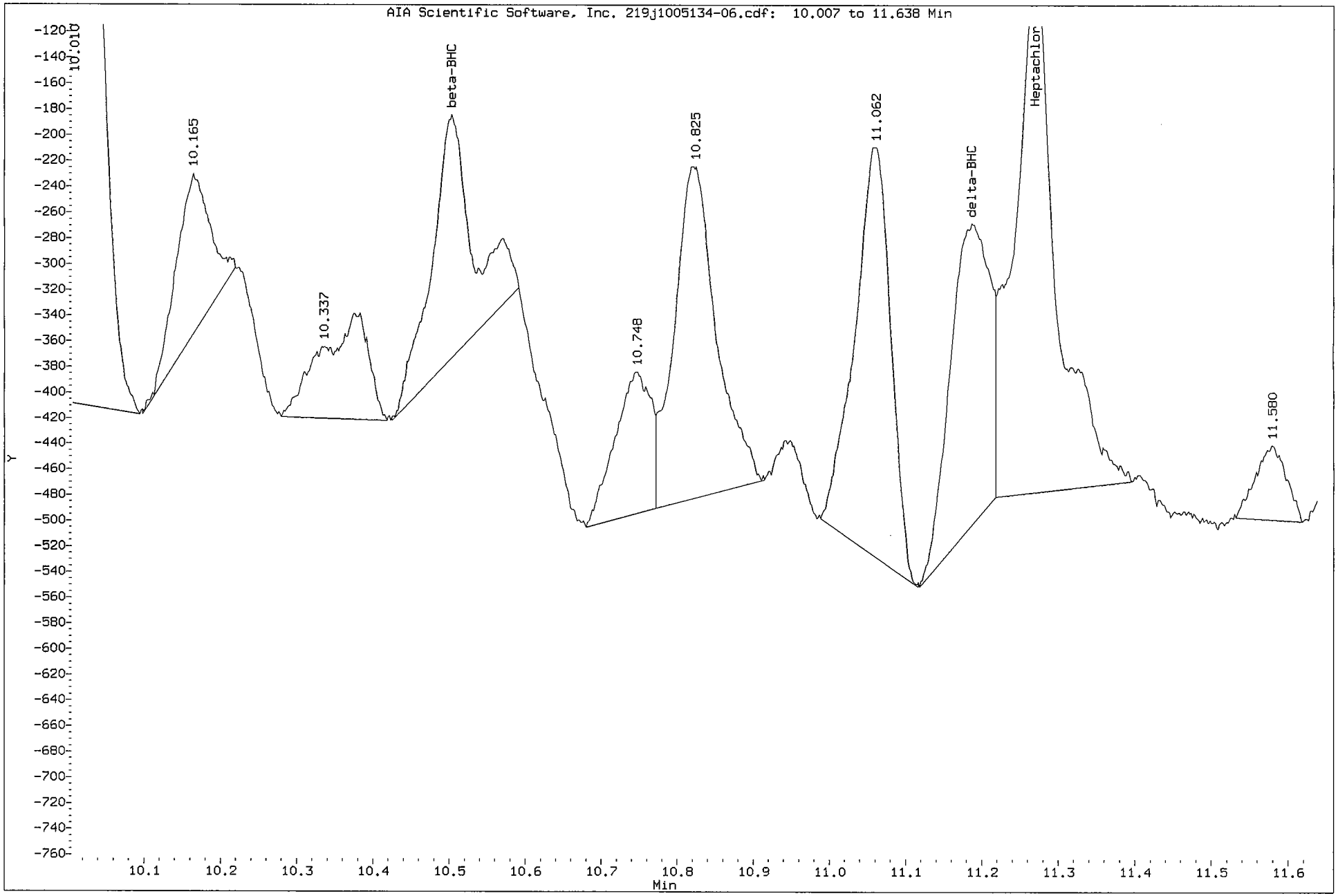
Injection Date: 05-JUN-2010 01:31
Instrument: tracegc84.i
Client Sample ID: SS33-0-1



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Date : 05-JUN-2010 01:31

Client ID: SS33-0-1

Instrument: tracegc84.i

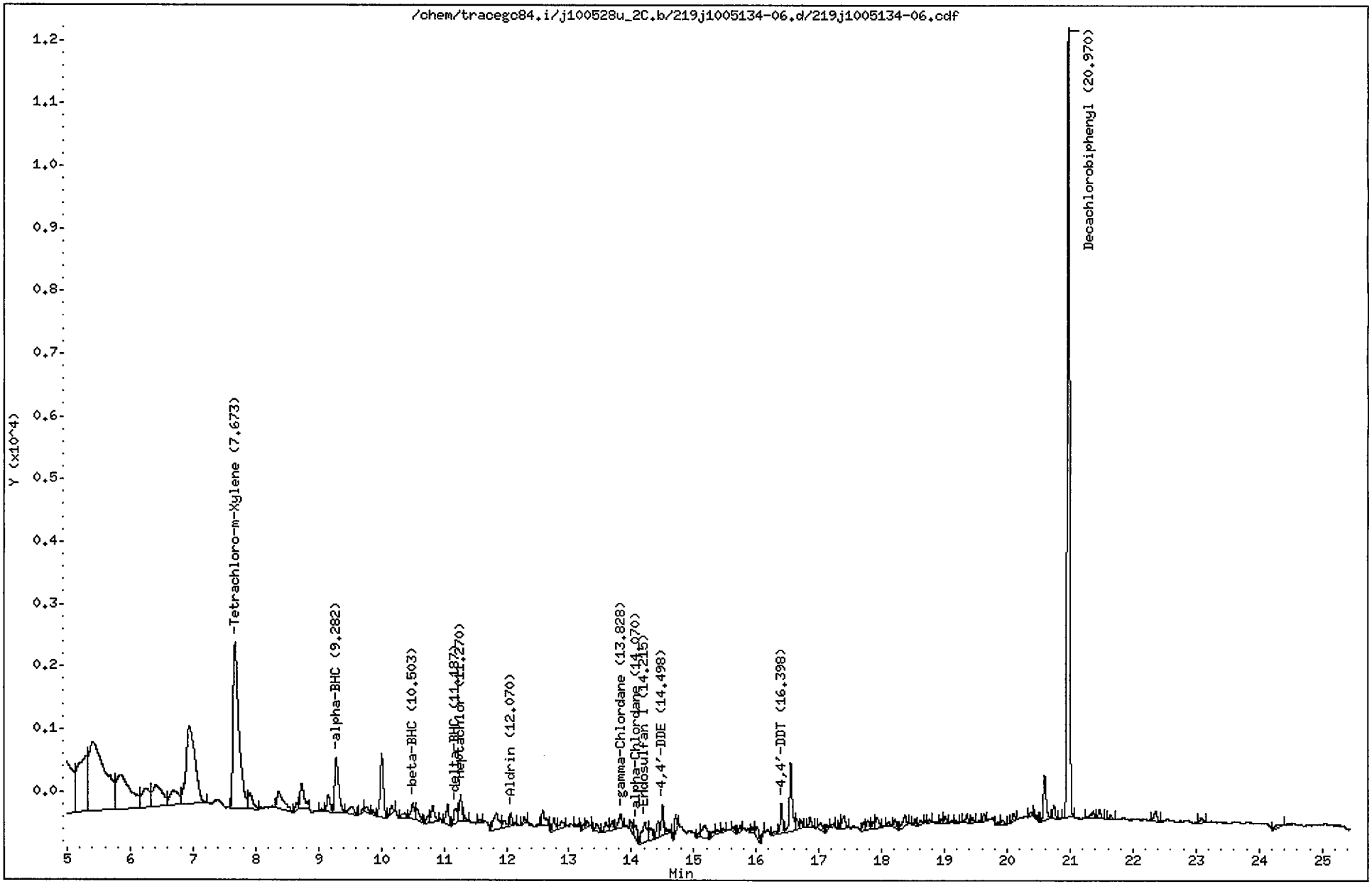
Sample Info: 1005134-06

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-06 Client Smp Id : SS33-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 01:31 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528u_2C.b/8081A_clpest2v6.m
Misc. Info : SS33-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 22(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.91			833089								
3.02			270078								
4.14			81719								
4.84			23085								
5.32			8846								
5.41			20309								
5.84			8433								
6.25			2846								
6.42			3718								
6.68			2145								
6.94			12657								
7.67	7.61	7.75	16905	416798	Tetrachloro-m-Xylene	0.040557	8.665997		67.6*	70 - 125	R
7.91			1220								
8.36			2108								
8.65			366								
8.73			1762								
9.05			98								
9.15			954								
9.28	9.26	9.40	3691	607758	alpha-BHC	0.006072	1.297329	2.179487			J
9.53			656								
9.71			120								
9.77			367								
9.87			222								
10.01			3571								
10.16			384								
10.34			353								
10.50	10.41	10.55	1011	248610	beta-BHC	0.004063	0.868074	2.179487			JM2
10.57			803								
10.75			363								
10.82			1001								
11.06			1046								
11.19	11.11	11.25	856	551235	delta-BHC	0.001551	0.331424	2.179487			J
11.27	11.22	11.36	1361	579497	Heptachlor	0.002349	0.501835	2.179487			JM2
11.31			216								
11.58			162								
11.84			1679								
11.97			441								

6/9/10

CompuChem

Lab Smp Id : 1005134-06 Client Smp Id : SS33-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 01:31 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528u_2C.b/8081A_clpest2v6.m
Misc. Info : SS33-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 22(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.07	11.97 12.11	586	542192	Aldrin	0.001079	0.230545	2.179487			J
12.28		249								
12.58		997								
12.76		617								
12.88		533								
13.09		158								
13.23		197								
13.29		319								
13.45		445								
13.59		518								
13.70		453								
13.83	13.71 13.85	854	513150	gamma-Chlordane	0.001662	0.355188	2.179487			J
13.99		435								
14.07	14.04 14.18	792	446248	alpha-Chlordane	0.001773	0.378752	2.179487			J
14.22	14.15 14.29	1816	477982	Endosulfan I	0.003797	0.811370	2.179487			JM2
14.30		809								
14.43		767								
14.50	14.43 14.57	1139	468602	4,4'-DDE	0.002431	0.519366	4.230769			J
14.56		266								
14.71		583								
15.10		177								
15.17		1123								
15.30		216								
15.37		127								
15.46		134								
15.64		222								
15.74		226								
15.94		214								
16.01		569								
16.11		228								
16.30		276								
16.40	16.33 16.47	1224	405929	4,4'-DDT	0.003015	0.644296	4.230769			J
16.55		3393								
16.64		448								
16.71		254								
16.86		394								
17.03		465								

CompuChem

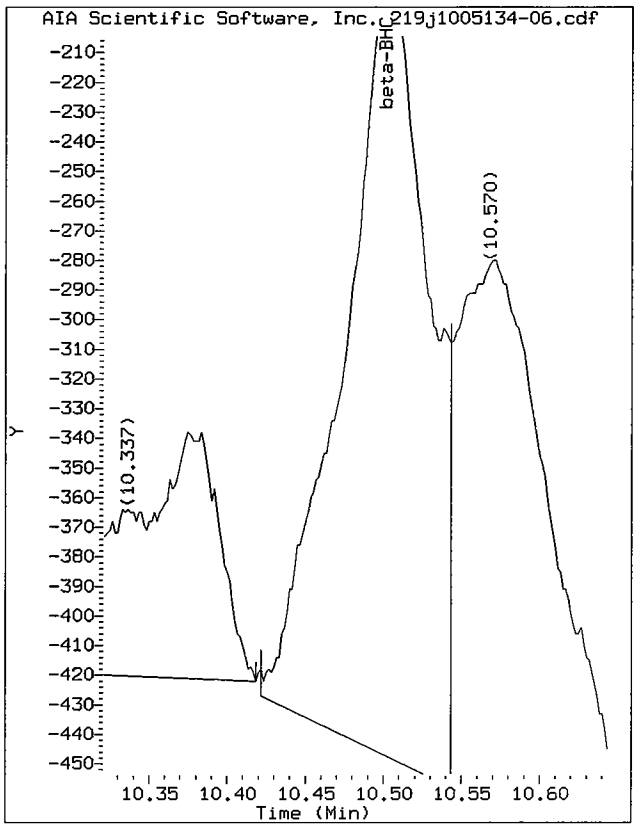
Lab Smp Id : 1005134-06 Client Smp Id : SS33-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 01:31 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528u_2C.b/8081A_clpest2v6.m
Misc. Info : SS33-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 22(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
17.13		166								
17.20		158								
17.34		181								
17.39		693								
17.70		336								
17.77		446								
17.86		323								
17.93		640								
18.11		135								
18.21		368								
18.37		698								
18.53		197								
18.61		180								
18.76		118								
18.95		188								
19.02		254								
19.19		93								
19.36		374								
19.44		154								
19.63		277								
19.85		112								
19.93		200								
20.10		349								
20.37		106								
20.46		123								
20.59		2191								
20.74		540								
20.97	20.90 21.04	32293	406698	Decachlorobiphenyl	0.079403	16.96645		66.2	55 - 130	
21.36		464								
21.47		394								
21.64		165								
22.36		484								
23.08		235								
24.35		341								

Manually Integrated Peaks



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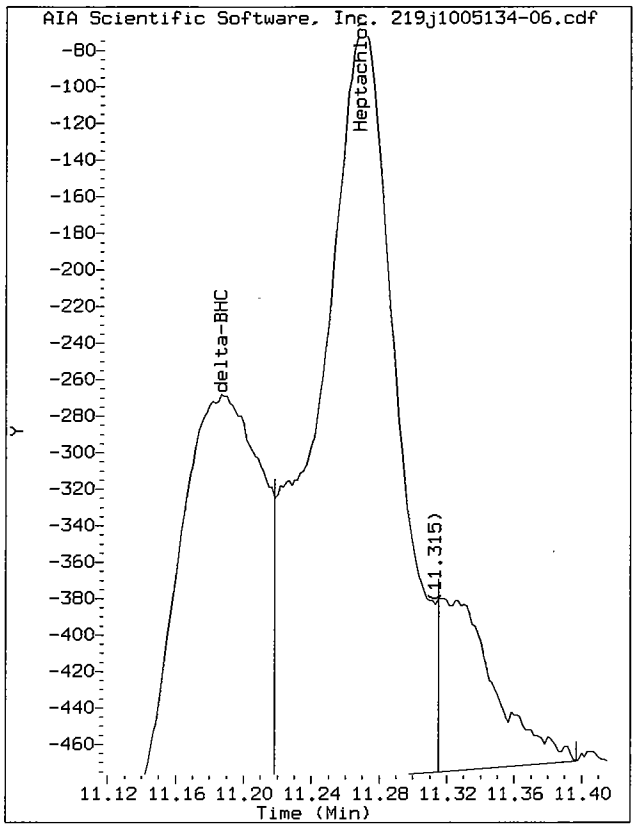

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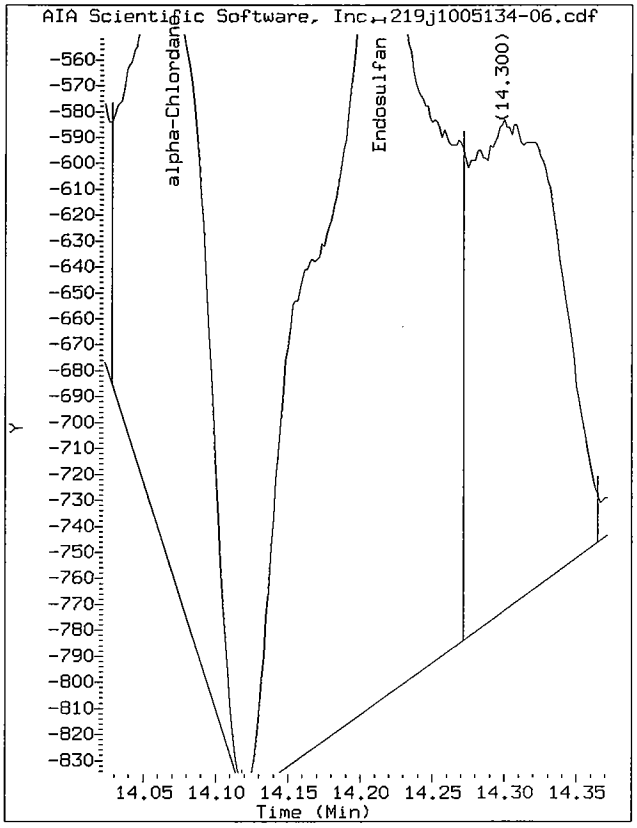

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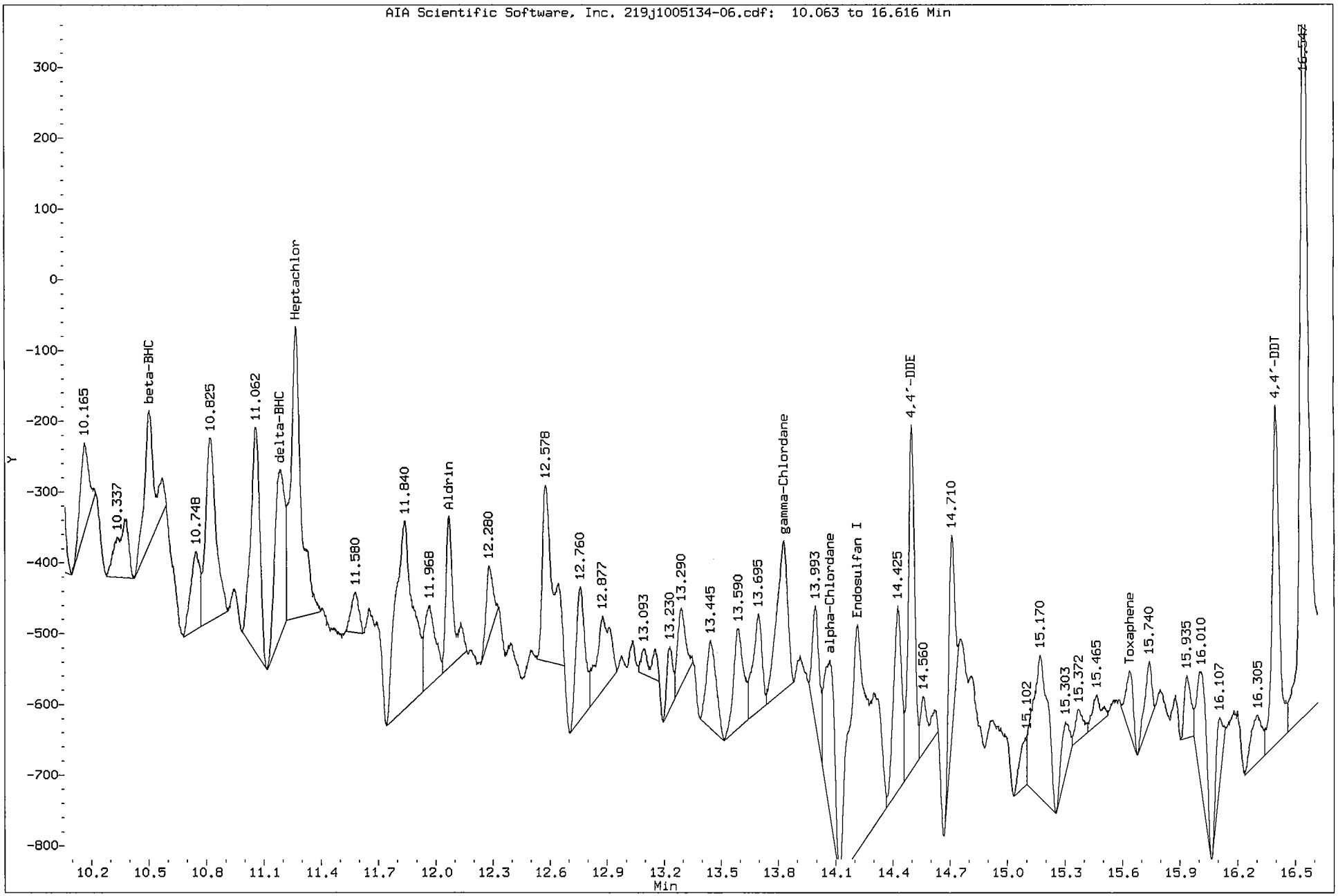
Injection Date: 05-JUN-2010 01:31
Instrument: tracegc84.i
Client Sample ID: SS33-0-1



1D

EPA SAMPLE NO.

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

SS43-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-19

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 3 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.8	U
319-85-7	beta-BHC	1.8	U
319-84-6	alpha-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
72-54-8	4,4'-DDD	3.4	U
72-55-9	4,4'-DDE	3.4	U
50-29-3	4,4'-DDT	3.4	U
60-57-1	Dieldrin	3.4	U
959-98-8	Endosulfan I	1.8	U
33213-65-9	Endosulfan II	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
72-20-8	Endrin	3.4	U
7421-93-4	Endrin Aldehyde	3.4	U
76-44-8	Heptachlor	1.8	U
1024-57-3	Heptachlor Epoxide	1.8	U
72-43-5	Methoxychlor	18	U
8001-35-2	Toxaphene	86	U
53494-70-5	Endrin Ketone	3.4	U
5103-74-2	gamma-Chlordane	1.8	U
5103-71-9	alpha-Chlordane	1.8	U

Data File: /chem/tracegc84.i/j100528v.b/236j1005134-19.d

Date : 05-JUN-2010 09:42

Client ID: SS43-0-1

Instrument: tracegc84.i

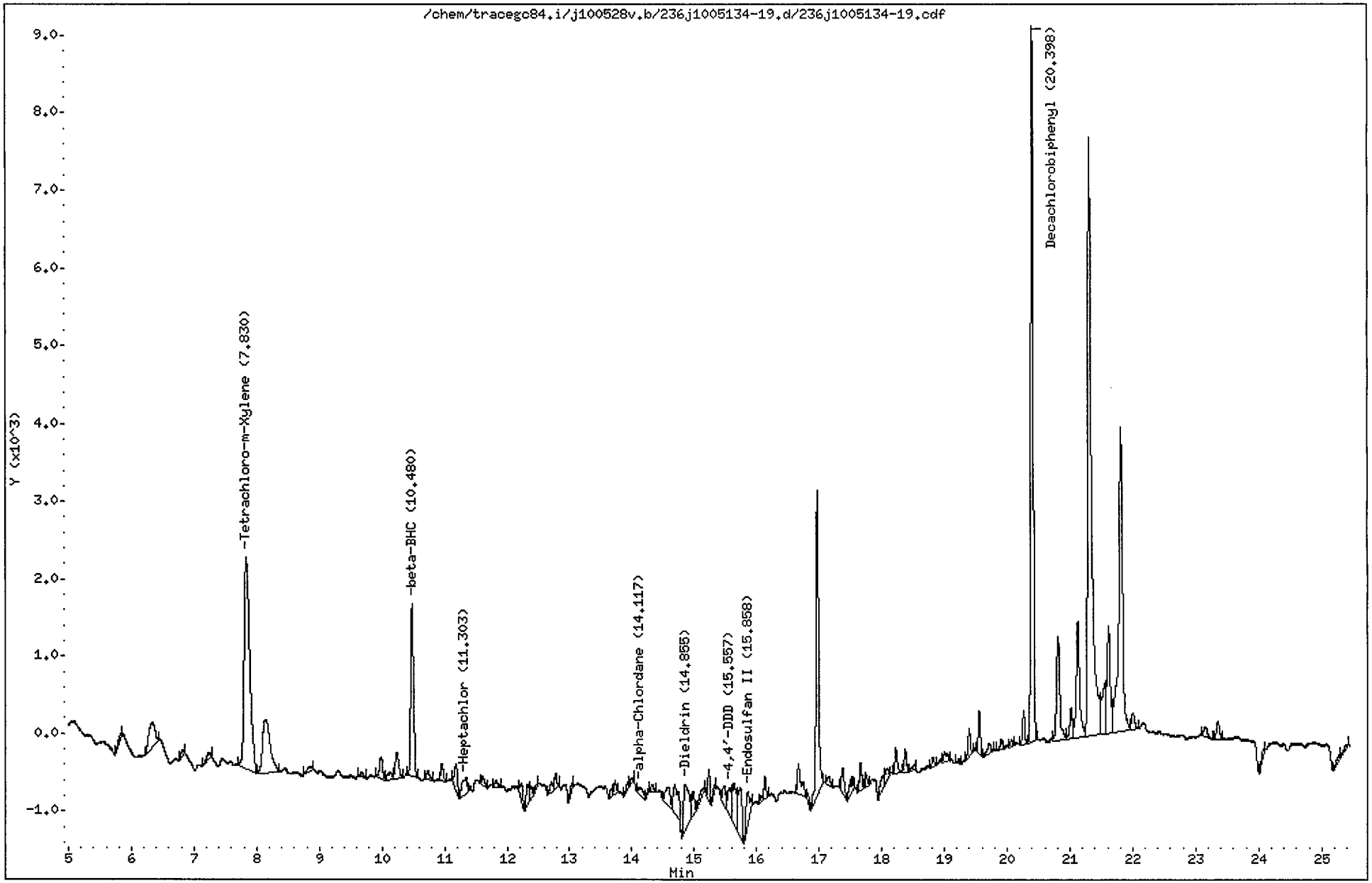
Sample Info: 1005134-19

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-19 Client Smp Id : SS43-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 09:42 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528v.b/8081A_clpestv6.m
Misc. Info : SS43-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 3(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.48			10890								
1.63			1389								
2.09			30148								
3.70			4299								
3.97			3362								
4.52			2850								
5.84			319								
6.33			2189								
6.81			233								
7.22			339								
7.83	7.77	7.91	16665	522758	Tetrachloro-m-Xylene	0.031877	5.477167		53.1*	70 - 125	R
8.14			5828								
8.83			272								
9.67			223								
9.98			974								
10.13			448								
10.24			1398								
10.48	10.34	10.48	7134	300532	beta-BHC	0.023738	4.078671	0.877320			
10.73			420								
10.96			612								
11.18			981								
11.30	11.29	11.43	1080	695465	Heptachlor	0.001551	0.266577	1.752577			J
11.61			376								
11.82			296								
12.23			670								
12.32			752								
12.38			439								
12.49			131								
12.71			382								
12.78			459								
13.04			172								
13.66			258								
13.72			447								
13.93			290								
13.99			236								
14.12	14.00	14.14	530	516712	alpha-Chlordane	0.001026	0.176240	1.752577			J
14.26			120								

KEH 6/9/10

CompuChem

Lab Smp Id : 1005134-19 Client Smp Id : SS43-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 09:42 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528v.b/8081A_clpestv6.m
Misc. Info : SS43-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 3(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
14.32		306								
14.56		1296								
14.69		2254								
14.86	14.82 14.96	3299	515556	Dieldrin	0.006399	1.099470	3.402062			J
14.98		946								
15.14		380								
15.23		876								
15.33		313								
15.47		841								
15.56	15.48 15.62	1305	393458	4,4'-DDD	0.003314	0.569452	3.402062			J
15.63		2559								
15.74		2834								
15.86	15.81 15.95	1858	450326	Endosulfan II	0.004126	0.708917	3.402062			J
16.08		169								
16.13		657								
16.67		1611								
16.82		286								
16.97		10788								
17.15		404								
17.37		1017								
17.50		663								
17.66		1064								
17.74		376								
18.02		781								
18.09		590								
18.22		934								
18.37		720								
18.50		198								
18.82		323								
19.00		531								
19.23		135								
19.39		858								
19.55		1312								
19.71		522								
19.90		346								
20.07		219								
20.26		1070								

CompuChem

Lab Smp Id : 1005134-19 Client Smp Id : SS43-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 09:42 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528v.b/8081A_clpestv6.m
Misc. Info : SS43-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 3(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
20.40	20.33 20.47	23908	408350	Decachlorobiphenyl	0.058548	10.05976		48.8*	55 - 130	R
20.81		4952								
21.01		1202								
21.12		5585								
21.30		32367								
21.55		2776								
21.61		5082								
21.81		17137								
22.00		803								
23.16		461								
23.35		774								
24.08		255								
25.28		351								
25.40		297								

Data File: /chem/tracegc84.i/j100528v_2C.b/236j1005134-19.d

Page 1

Date : 05-JUN-2010 09:42

Client ID: SS43-0-1

Instrument: tracegc84.i

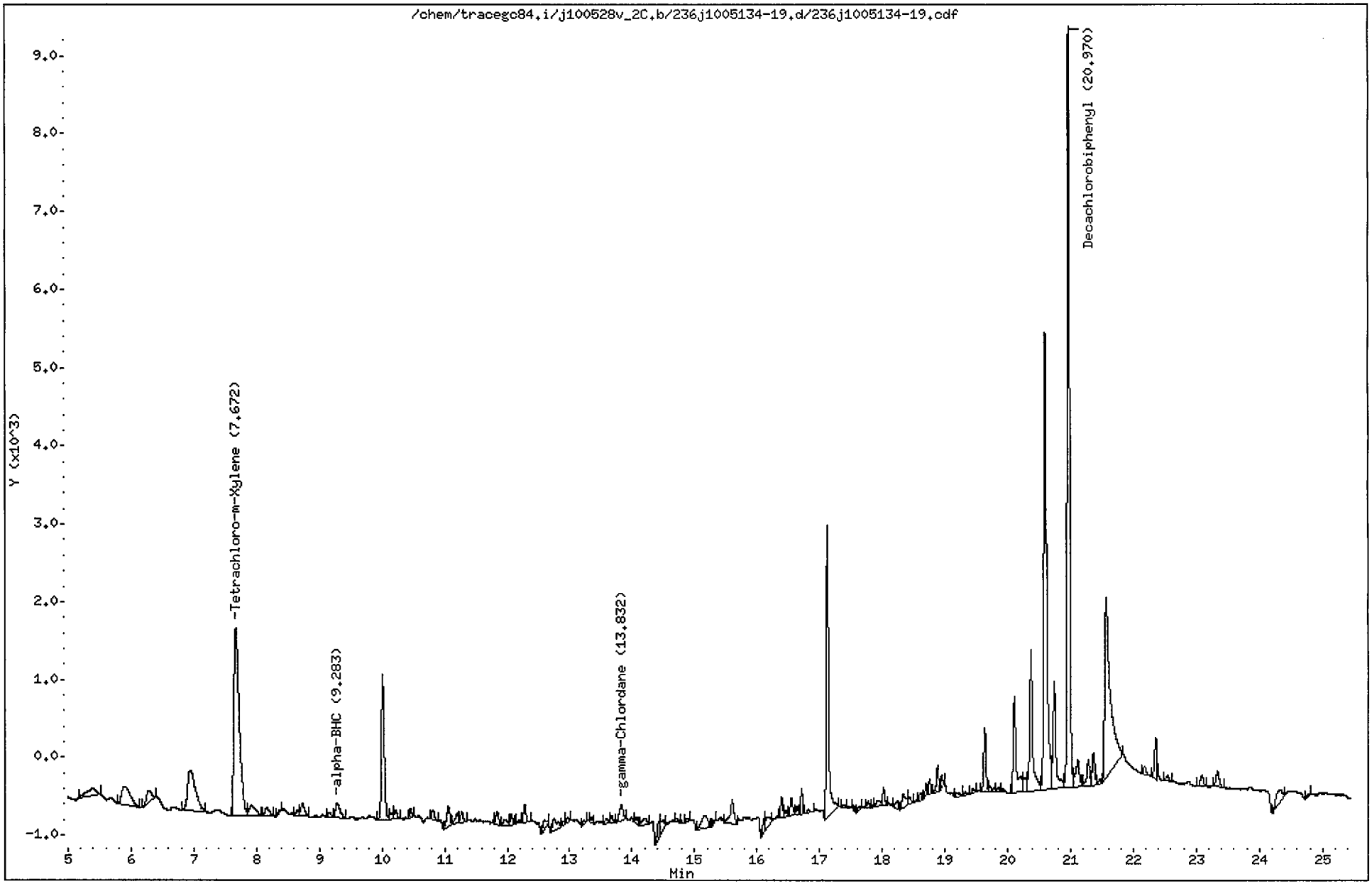
Sample Info: 1005134-19

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-19 Client Smp Id : SS43-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 09:42 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528v_2C.b/8081A_clpest2v6.m
Misc. Info : SS43-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 3(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.89			423153								
3.02			5302								
3.38			142								
4.23			432								
5.40			1096								
5.90			2355								
6.29			837								
6.95			4671								
7.67	7.61	7.75	14466	416798	Tetrachloro-m-Xylene	0.034708	5.963488		57.8*	70 - 125	R
7.91			1073								
8.17			481								
8.37			105								
8.66			207								
8.73			615								
9.16			193								
9.28	9.26	9.40	912	607758	alpha-BHC	0.001501	0.257835	1.752577			J
10.01			5833								
10.16			285								
10.22			350								
10.46			281								
10.81			394								
11.06			919								
11.20			447								
11.27			393								
11.84			538								
11.98			351								
12.07			340								
12.19			92								
12.28			608								
12.60			459								
12.75			763								
12.91			145								
12.97			135								
13.23			93								
13.35			128								
13.59			178								
13.67			213								

KEH 6/9/10

CompuChem

Lab Smp Id : 1005134-19 Client Smp Id : SS43-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 09:42 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528v_2C.b/8081A_clpest2v6.m
Misc. Info : SS43-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 3(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
13.83	13.71 13.85	856	513150	gamma-Chlordane	0.001668	0.286620	1.752577			J
14.08		206								
14.21		456								
14.43		521								
14.50		608								
14.71		143								
14.89		118								
15.17		1159								
15.32		130								
15.60		1328								
16.11		470								
16.17		574								
16.39		625								
16.47		214								
16.55		627								
16.64		241								
16.71		699								
16.82		168								
17.12		9630								
17.39		112								
17.55		151								
17.64		128								
17.77		228								
17.94		323								
18.02		572								
18.24		317								
18.34		728								
18.44		249								
18.61		227								
18.70		329								
18.76		414								
18.88		781								
18.95		315								
19.19		178								
19.32		132								
19.45		160								
19.64		2009								

CompuChem

Lab Smp Id : 1005134-19 Client Smp Id : SS43-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 09:42 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528v_2C.b/8081A_clpest2v6.m
Misc. Info : SS43-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 3(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
19.72		248								
19.86		152								
20.10		4162								
20.27		689								
20.37		5941								
20.60		19131								
20.74		4485								
20.97	20.90 21.04	25558	406698	Decachlorobiphenyl	0.062843	10.79773		52.4*	55 - 130	R
21.11		1407								
21.28		1043								
21.36		1225								
21.47		156								
21.57		14135								
22.18		323								
22.36		1448								
22.54		216								
23.08		478								
23.34		723								
24.34		1197								
24.78		97								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS44-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 1005134-17

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 7 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.8	U
319-85-7	beta-BHC	2.3	P
319-84-6	alpha-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
72-54-8	4,4'-DDD	3.5	U
72-55-9	4,4'-DDE	3.5	U
50-29-3	4,4'-DDT	6.2	
60-57-1	Dieldrin	3.5	U
959-98-8	Endosulfan I	0.59	JP
33213-65-9	Endosulfan II	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
72-20-8	Endrin	3.5	U
7421-93-4	Endrin Aldehyde	0.58	J
76-44-8	Heptachlor	1.8	U
1024-57-3	Heptachlor Epoxide	1.8	U
72-43-5	Methoxychlor	18	U
8001-35-2	Toxaphene	89	U
53494-70-5	Endrin Ketone	0.50	JP
5103-74-2	gamma-Chlordane	1.8	U
5103-71-9	alpha-Chlordane	0.86	JP

Data File: /chem/tracegc84.i/j100528v.b/234j1005134-17.d

Date : 05-JUN-2010 08:45

Client ID: SS44-0-1

Instrument: tracegc84.i

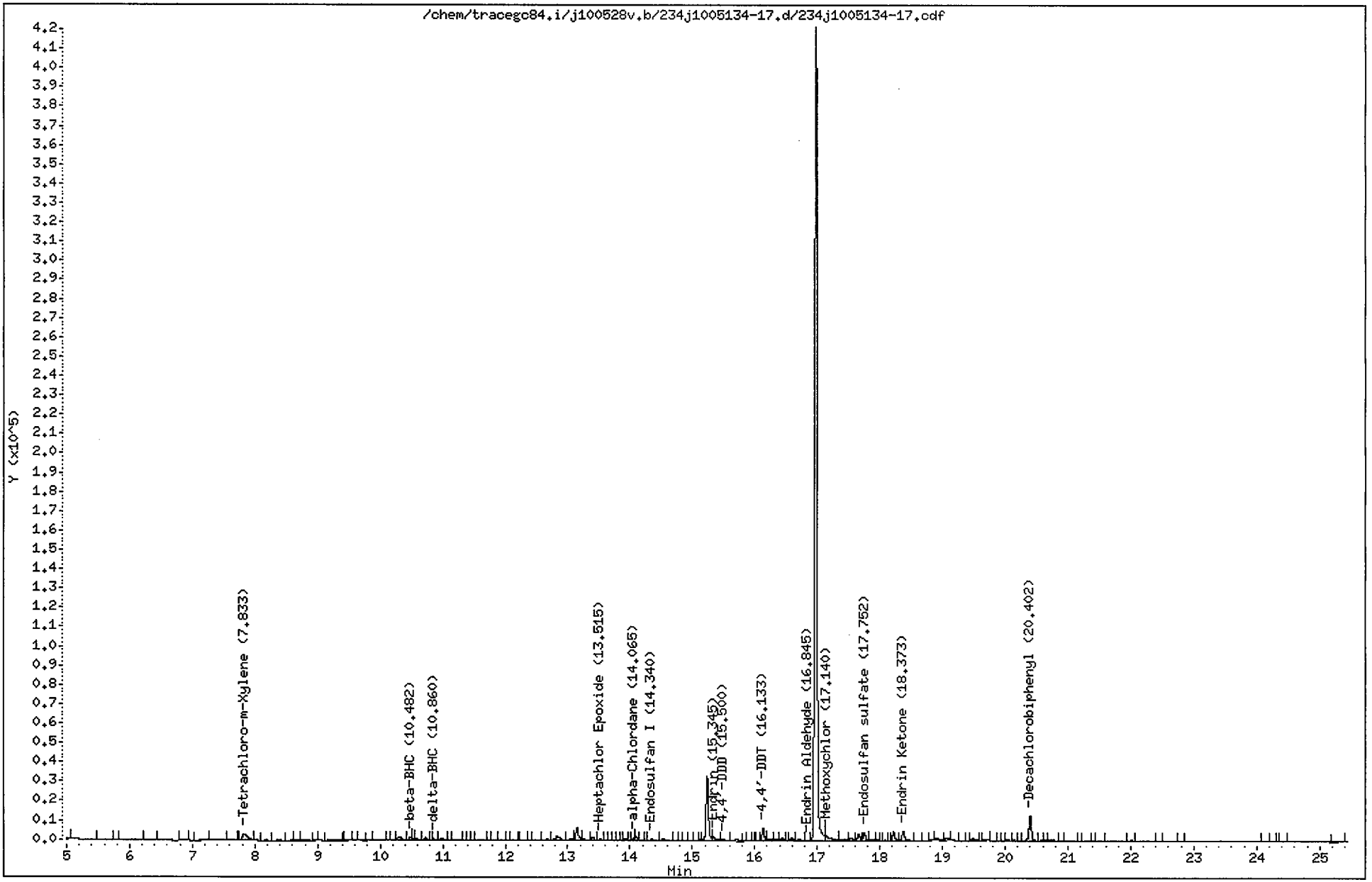
Sample Info: 1005134-17

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-17 Client Smp Id : SS44-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 08:45 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528v.b/8081A_clpestv6.m
Misc. Info : SS44-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 7(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.48		34055								
1.63		31576								
2.11		565901								
3.68		7525								
3.98		6214								
4.56		8836								
5.05		121								
5.63		2075								
5.82		194								
6.34		2189								
6.91		303								
7.21		1625								
7.59		1004								
7.83	7.77 7.91	20152	522758	Tetrachloro-m-Xylene	0.038548	6.908156		64.2*	70 - 125	RM2
8.19		1612								
8.38		2108								
8.62		1035								
8.67		1631								
8.81		3194								
8.99		193								
9.29		2606								
9.50		408								
9.69		445								
9.98		1835								
10.16		335								
10.22		1833								
10.32		9731								
10.48	10.34 10.48	5928	300532	beta-BHC	0.019725	3.534944	0.915054			M2
10.51		3058								
10.56		2265								
10.72		4240								
10.82		1046								
10.86	10.77 10.91	1933	689518	delta-BHC	0.002802	0.502143	1.827957			J
10.98		3778								
11.19		1399								
11.37		305								
11.47		123								

CompuChem

Lab Smp Id : 1005134-17 Client Smp Id : SS44-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 08:45 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528v.b/8081A_clpestv6.m
Misc. Info : SS44-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 7(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.60		1114								
11.82		452								
11.94		1104								
12.04		283								
12.15		785								
12.29		774								
12.40		268								
12.50		1285								
12.68		2702								
12.83		11853								
13.06		3149								
13.15		20781								
13.24		2854								
13.40		4904								
13.52	13.42 13.56	1771	593700	Heptachlor Epoxide	0.002983	0.534586	1.827957			J
13.62		439								
13.67		976								
13.73		279								
13.80		421								
13.93		968								
14.06	14.00 14.14	2487	516712	alpha-Chlordane	0.004811	0.862220	1.827957			J
14.10		5142								
14.20		360								
14.34	14.29 14.43	1811	548162	Endosulfan I	0.003302	0.591746	1.827957			J
14.54		2698								
14.73		641								
14.81		479								
14.95		537								
15.06		963								
15.12		1213								
15.24		87685								
15.34	15.33 15.47	6982	463071	Endrin	0.015075	2.701691	3.548387			J
15.50	15.48 15.62	2267	393458	4,4'-DDD	0.005762	1.032570	3.548387			J
15.70		3782								
15.85		462								
15.97		132								
16.04		591								

CompuChem

Lab Smp Id : 1005134-17 Client Smp Id : SS44-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 08:45 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528v.b/8081A_clpestv6.m
Misc. Info : SS44-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 7(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
16.13	16.08 16.22	16289	454781	4,4'-DDT	0.035815	6.418463	3.548387			
16.24		2651								
16.34		2155								
16.44		3616								
16.52		861								
16.59		3581								
16.71		2195								
16.84	16.71 16.85	1119	348470	Endrin Aldehyde	0.003211	0.575480	3.548387			J
16.98		1140802								
17.14	17.11 17.25	17750	194359	Methoxychlor	0.091326	16.36664	18.27957			J
17.37		4438								
17.54		3924								
17.66		8465								
17.75	17.65 17.79	11950	392055	Endosulfan sulfate	0.030478	5.461983	3.548387			
17.87		2625								
17.96		869								
18.02		349								
18.08		702								
18.22		12666								
18.37	18.24 18.38	15162	457258	Endrin Ketone	0.033159	5.942394	3.548387			
18.72		447								
18.84		1834								
18.91		3384								
19.06		3804								
19.36		278								
19.49		2442								
19.68		667								
19.91		177								
19.99		245								
20.04		1069								
20.14		738								
20.23		228								
20.40	20.33 20.47	35061	408350	Decachlorobiphenyl	0.085858	15.38669		71.5	55 - 130	
20.58		572								
20.63		557								
20.74		1819								
20.89		258								

CompuChem

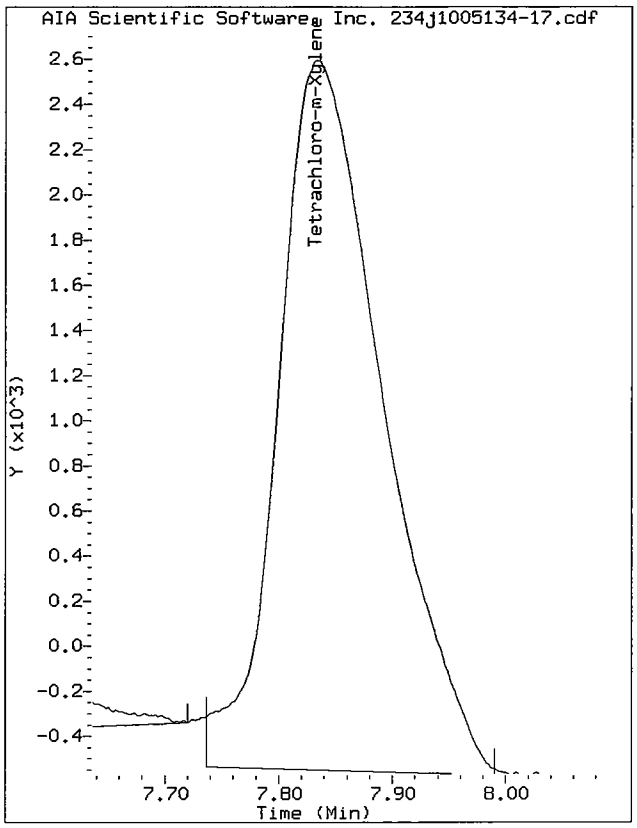
Lab Smp Id : 1005134-17 Client Smp Id : SS44-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 08:45 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528v.b/8081A_clpestv6.m
Misc. Info : SS44-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 7(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
21.20		210								
21.26		432								
21.52		433								
22.01		479								
22.44		226								
22.81		395								
24.15		476								
24.27		152								
24.40		319								
25.36		1147								

Manually Integrated Peaks



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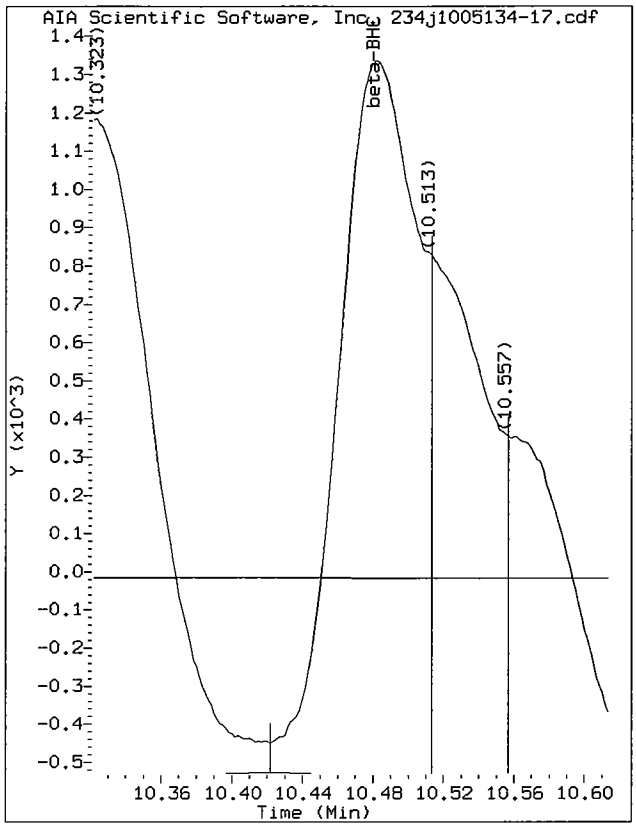

Start: 10.42 Stop: 10.51

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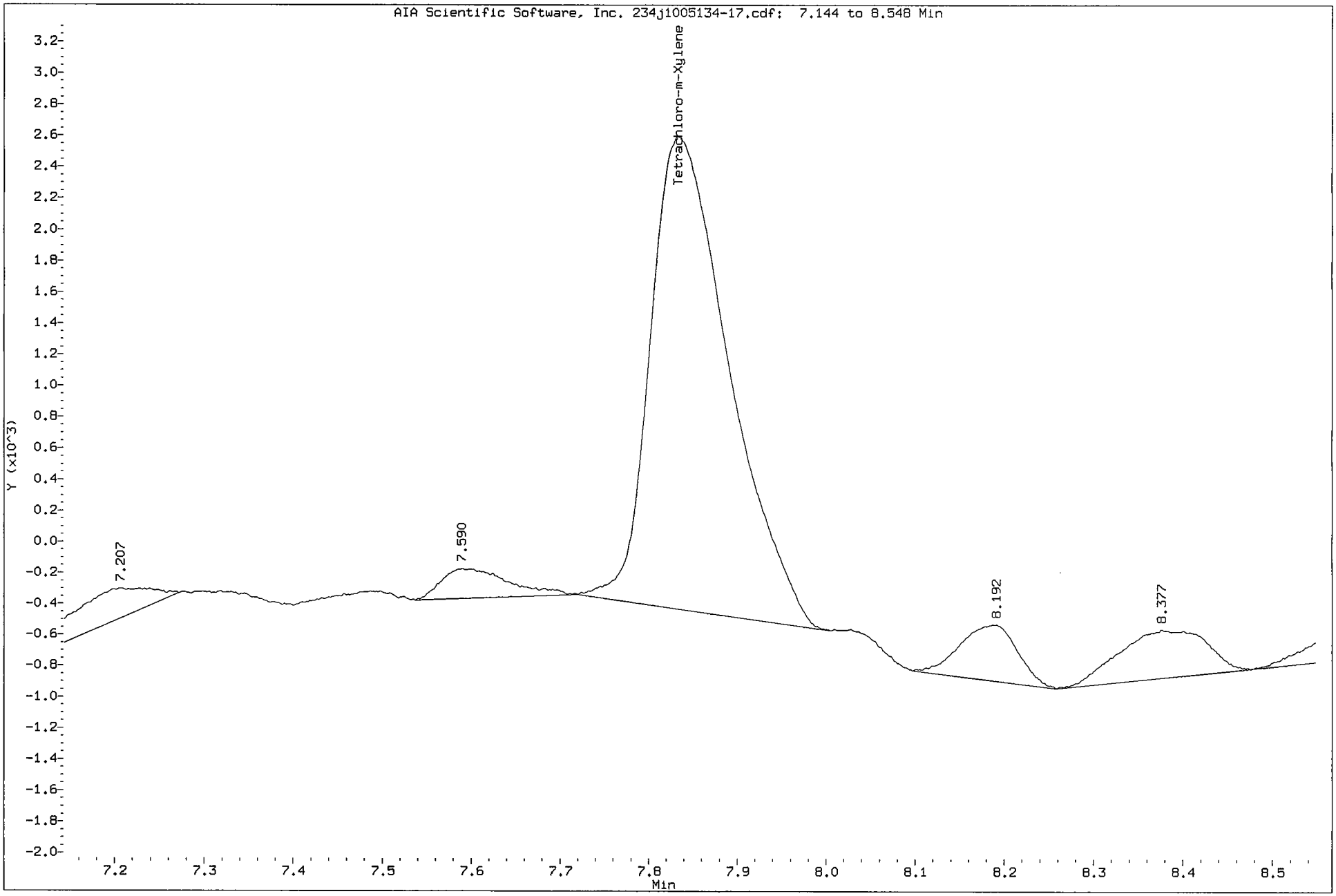
Injection Date: 05-JUN-2010 08:45
Instrument: tracegc84.i
Client Sample ID: SS44-0-1



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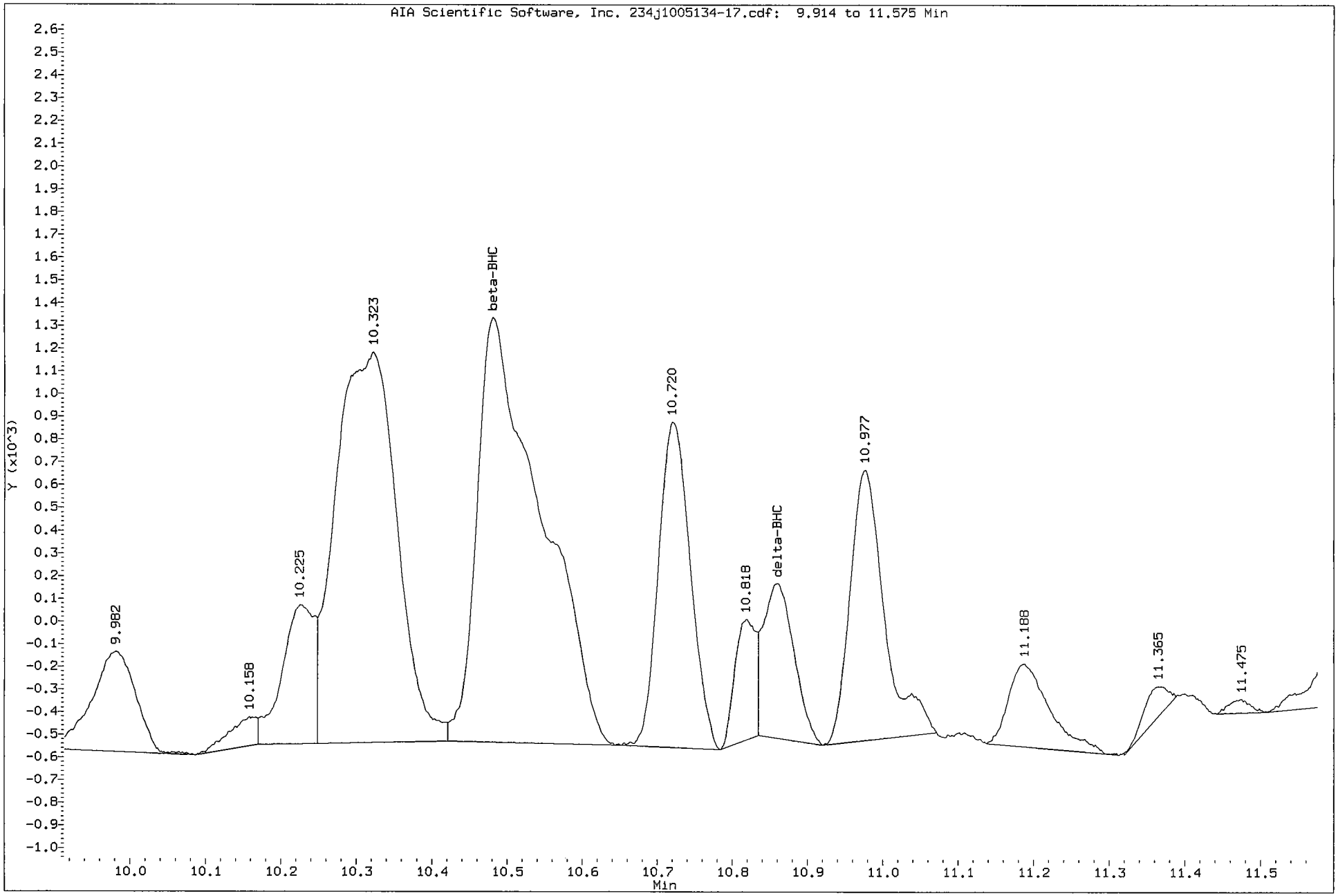
Injection Date: 05-JUN-2010 08:45
Instrument: tracegc84.i
Client Sample ID: SS44-0-1



Data File: /chem/tracegc84.i/j100528v_2C.b/234j1005134-17.d

Date : 05-JUN-2010 08:45

Client ID: SS44-0-1

Instrument: tracegc84.i

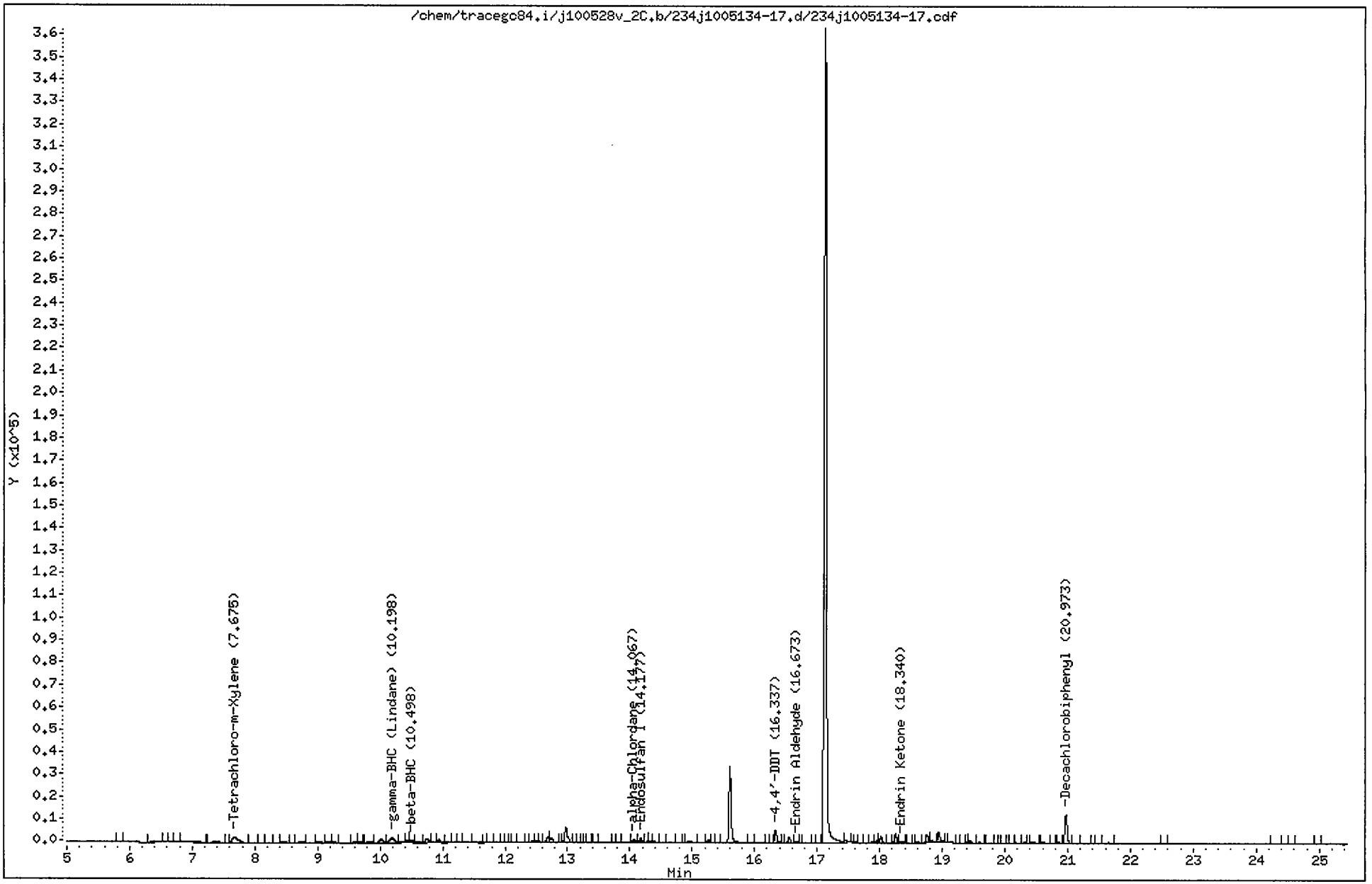
Sample Info: 1005134-17

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005134-17 Client Smp Id : SS44-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 08:45 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528v_2C.b/8081A_clpest2v6.m
Misc. Info : SS44-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 7(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.91			494006								
3.03			14102								
3.38			297								
4.20			686								
5.86			193								
6.42			907								
6.67			231								
6.93			2906								
7.37			1713								
7.68	7.61	7.75	16744	416798	Tetrachloro-m-Xylene	0.040173	7.199460		67.0*	70 - 125	R
8.01			640								
8.11			226								
8.38			276								
8.45			1500								
8.74			659								
9.01			503								
9.16			365								
9.27			350								
9.59			529								
9.67			626								
9.83			850								
10.01			5436								
10.20	10.17	10.31	9550	585542	gamma-BHC (Lindane)	0.016308	2.922572	1.827957			
10.45			2884								
10.50	10.41	10.55	3195	248610	beta-BHC	0.012851	2.303128	1.827957			
10.63			297								
10.74			5500								
10.85			759								
10.95			3908								
11.07			854								
11.19			234								
11.27			464								
11.37			451								
11.56			1912								
11.70			105								
11.79			628								
11.84			972								

CompuChem

Lab Smp Id : 1005134-17 Client Smp Id : SS44-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 08:45 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528v_2C.b/8081A_clpest2v6.m
Misc. Info : SS44-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 7(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.96		406								
12.08		285								
12.14		548								
12.23		862								
12.43		1046								
12.50		1802								
12.56		1154								
12.68		7646								
12.74		5451								
12.89		222								
12.97		20725								
13.12		229								
13.17		472								
13.22		102								
13.33		319								
13.45		301								
13.55		1517								
13.75		110								
13.82		1156								
13.91		918								
14.07	14.04 14.18	3289	446248	alpha-Chlordane	0.007368	1.320450	1.827957			J
14.18	14.15 14.29	4595	477982	Endosulfan I	0.009613	1.722818	1.827957			J
14.29		1961								
14.32		1975								
14.38		1831								
14.52		519								
14.64		1639								
14.76		670								
14.94		3837								
15.13		479								
15.26		2611								
15.39		234								
15.60		84968								
16.07		541								
16.21		406								
16.26		266								
16.34	16.33 16.47	14123	405929	4,4'-DDT	0.034789	6.234652	3.548387			M

6/9/10

CompuChem

Lab Smp Id : 1005134-17 Client Smp Id : SS44-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 08:45 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528v_2C.b/8081A_clpest2v6.m
Misc. Info : SS44-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 7(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
16.45		412								
16.55		6128								
16.67	16.59 16.73	1086	316985	Endrin Aldehyde	0.003423	0.613418	3.548387			JM Z
16.71		275								
16.83		538								
17.02		214								
17.13		965536								
17.45		2309								
17.62		471								
17.68		369								
17.78		232								
17.89		898								
17.95		2016								
18.02		6903								
18.14		389								
18.25		8787								
18.34	18.30 18.44	1173	419519	Endrin Ketone	0.002794	0.500659	3.548387			J
18.48		332								
18.61		1172								
18.75		9699								
18.83		2752								
18.95		12534								
19.12		1621								
19.26		149								
19.33		109								
19.40		156								
19.45		2234								
19.59		778								
19.73		842								
19.86		157								
19.98		272								
20.12		542								
20.17		1022								
20.30		603								
20.44		1387								
20.61		1103								
20.76		502								

KEH 6/9/10

CompuChem

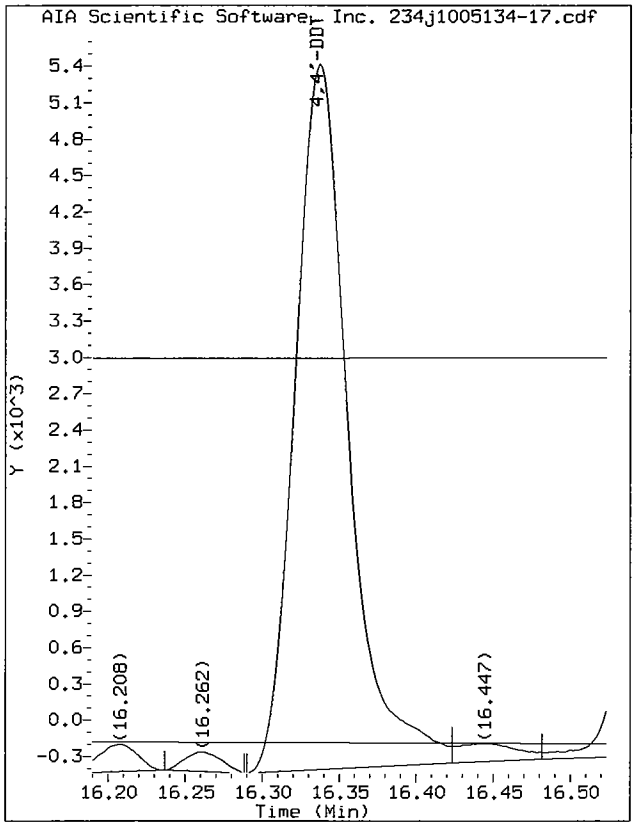
Lab Smp Id : 1005134-17 Client Smp Id : SS44-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 08:45 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528v_2C.b/8081A_clpest2v6.m
Misc. Info : SS44-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

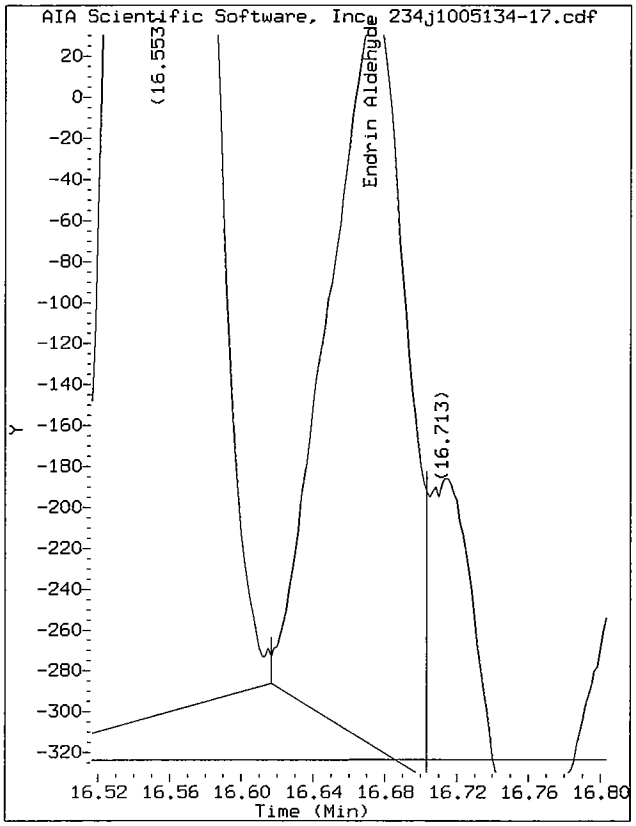
DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 7(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
20.86		898								
20.97	20.90 21.04	32517	406698	Decachlorobiphenyl	0.079951	14.32819		66.6	55 - 130	
21.26		615								
21.40		166								
21.47		390								
21.65		1010								
22.54		196								
24.33		609								
24.55		262								
24.96		173								

Manually Integrated Peaks

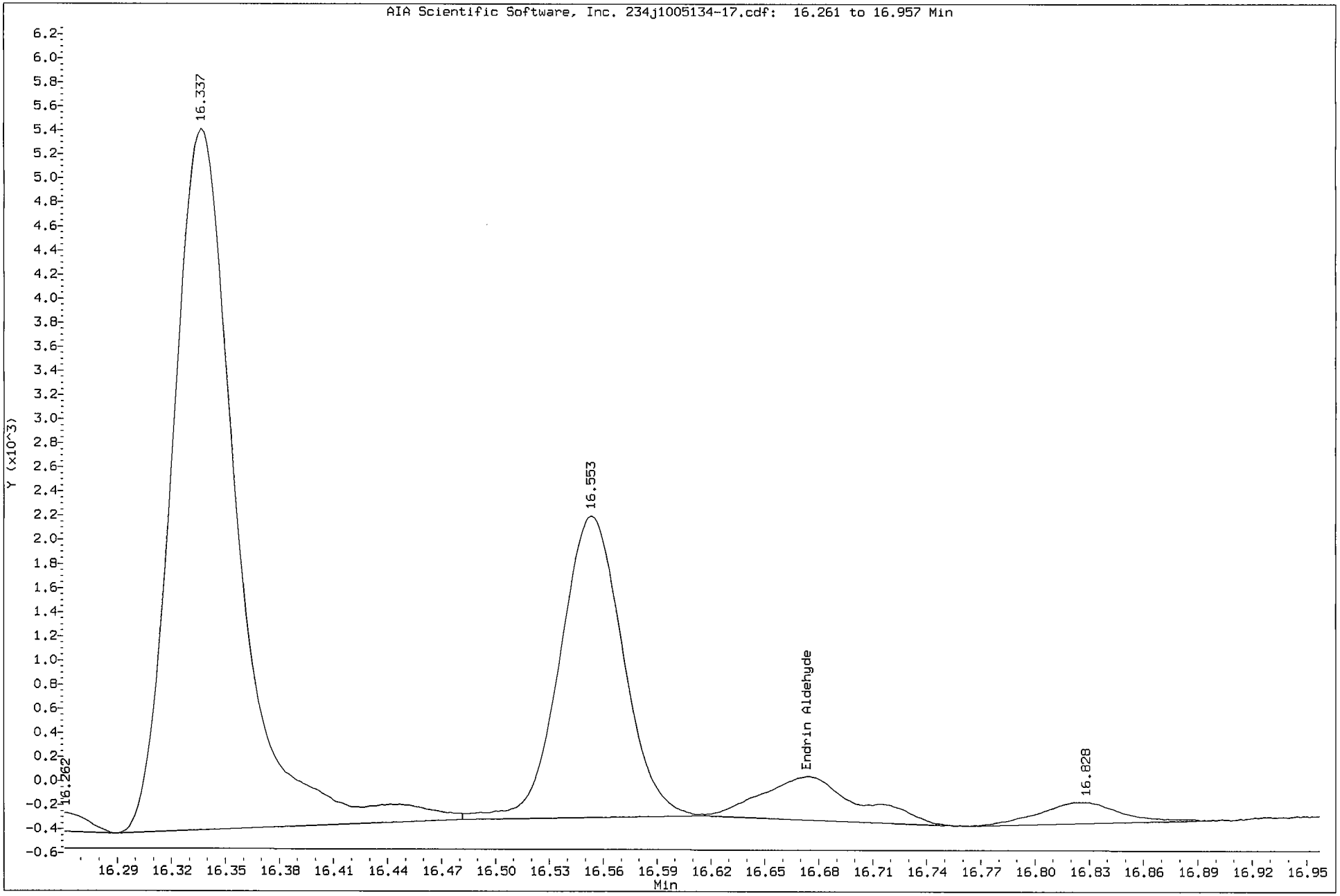


Start: 16.29 Stop: 16.42



Start: 16.62 Stop: 16.70

Data File: /chem/tracegc84.i/j100528v_2C.b/234j1005134-17.d/234j1005134-17.cdf
Injection Date: 05-JUN-2010 08:45
Instrument: tracegc84.i
Client Sample ID: SS44-0-1



3. Standards Data

a. Initial Calibration Data (Form VI)

b. Continuing Verification Summary (Form VII)

c. Analytical Sequence (Form VIII)

d. Identification Summary for Single Component Analytes (Form X)

e. Identification Summary for Multicomponent Analytes (Form X) – if applicable

f. Chromatograms and Data System Printouts

a. Initial Calibration Data
(Form VI)

For all GC columns, all instruments, in chronological order by GC column and instrument.

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: TRACEGC84 Calibration Date(s): 05/28/10 05/29/10

Column: CLPEST ID: 0.32 (mm) Calibration Time(s): 1818 0201

LAB FILE ID: RF0.0025: 011J0E27RF0.005: 012J0E270RF0.01: 020J0E2701
RF0.02: 014J0E2701RF0.04: 015J0E2701

COMPOUND	RF0.0025	RF0.005	RF0.01	RF0.02	RF0.04
Aldrin	689000.00	667800.00	632900.00	607950.00	585200.00
beta-BHC	334400.00	297400.00	296600.00	291100.00	283162.50
alpha-BHC	798600.00	792600.00	769400.00	762100.00	757100.00
delta-BHC	705200.00	707400.00	683650.00	678075.00	673262.50
gamma-BHC (Lindane)	754800.00	745400.00	722300.00	718750.00	704712.50
4,4'-DDD	422300.00	410500.00	394025.00	374237.50	366225.00
4,4'-DDE	573800.00	546750.00	517475.00	496737.50	483943.75
4,4'-DDT	503900.00	479100.00	446900.00	427812.50	416193.75
Dieldrin	562300.00	538100.00	508150.00	489762.50	479468.75
Endosulfan I	594200.00	570900.00	555750.00	521425.00	498537.50
Endosulfan II	496600.00	469900.00	446300.00	426475.00	412356.25
Endosulfan sulfate	432700.00	416550.00	389175.00	368575.00	353275.00
Endrin	511200.00	486100.00	461225.00	435025.00	421806.25
Endrin Aldehyde	377500.00	364050.00	355425.00	330325.00	315050.00
Heptachlor	759800.00	731000.00	688850.00	661075.00	636600.00
Heptachlor Epoxide	650600.00	633000.00	591800.00	559950.00	533150.00
Methoxychlor	222640.00	208230.00	190545.00	179402.50	170977.50
Toxaphene			7421.000		
(2)			20833.000		
(3)			14312.500		
(4)			16310.000		
(5)			13342.000		
Endrin Ketone	497200.00	482900.00	453250.00	433600.00	419337.50
gamma-Chlordane	652000.00	634000.00	588300.00	561150.00	538925.00
alpha-Chlordane	569000.00	542600.00	515550.00	489675.00	466737.50
Decachlorobiphenyl	482100.00	446650.00	403000.00	369312.50	340687.50
Tetrachloro-m-Xylene	537800.00	545600.00	518200.00	513275.00	498912.50

FORM VI PEST

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: TRACEGC84 Calibration Date(s): 05/28/10 05/29/10

Column: CLPEST ID: 0.32 (mm) Calibration Time(s): 1818 0201

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Aldrin	AVRG	636570.000	6.7
beta-BHC	AVRG	300532.500	6.6
alpha-BHC	AVRG	775960.000	2.4
delta-BHC	AVRG	689517.500	2.3
gamma-BHC (Lindane)	AVRG	729192.500	2.8
4,4'-DDD	AVRG	393457.500	6.0
4,4'-DDE	AVRG	523741.250	7.0
4,4'-DDT	AVRG	454781.250	8.0
Dieldrin	AVRG	515556.250	6.6
Endosulfan I	AVRG	548162.500	7.0
Endosulfan II	AVRG	450326.250	7.5
Endosulfan sulfate	AVRG	392055.000	8.4
Endrin	AVRG	463071.250	7.9
Endrin Aldehyde	AVRG	348470.000	7.3
Heptachlor	AVRG	695465.000	7.2
Heptachlor Epoxide	AVRG	593700.000	8.2
Methoxychlor	AVRG	194359.000	10.8
Toxaphene	AVRG	7421.00000	0.0
(2)	AVRG	20833.0000	0.0
(3)	AVRG	14312.5000	0.0
(4)	AVRG	16310.0000	0.0
(5)	AVRG	13342.0000	0.0
Endrin Ketone	AVRG	457257.500	7.1
gamma-Chlordane	AVRG	594875.000	8.0
alpha-Chlordane	AVRG	516712.500	7.9
Decachlorobiphenyl	AVRG	408350.000	14.0
Tetrachloro-m-Xylene	AVRG	522757.500	3.6

FORM VI PEST

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: TRACEGC84 Calibration Date(s): 05/28/10 05/29/10

Column: CLPEST2 ID: 0.32 (mm) Calibration Time(s): 1818 0201

LAB FILE ID: RF0.0025: 011J0E27RF0.005: 012J0E270RF0.01: 020J0E2701
RF0.02: 014J0E2701RF0.04: 015J0E2701

COMPOUND	RF0.0025	RF0.005	RF0.01	RF0.02	RF0.04
Aldrin	543000.00	543500.00	537750.00	542075.00	544637.50
beta-BHC	251400.00	256400.00	246700.00	245775.00	242775.00
alpha-BHC	562000.00	589300.00	600750.00	631250.00	655487.50
delta-BHC	525200.00	534800.00	544550.00	567700.00	583925.00
gamma-BHC (Lindane)	558800.00	571500.00	581500.00	600750.00	615162.50
4,4'-DDD	333600.00	340000.00	339575.00	344112.50	345843.75
4,4'-DDE	482400.00	477550.00	465050.00	461000.00	457012.50
4,4'-DDT	414500.00	408650.00	400975.00	403962.50	401556.25
Dieldrin	465800.00	466850.00	460025.00	460187.50	456781.25
Endosulfan I	497200.00	488700.00	474850.00	468950.00	460212.50
Endosulfan II	422000.00	410950.00	403100.00	397450.00	391150.00
Endosulfan sulfate	384700.00	379650.00	363725.00	356675.00	348618.75
Endrin	421800.00	415300.00	404950.00	402612.50	398581.25
Endrin Aldehyde	325700.00	326950.00	322975.00	308375.00	300925.00
Heptachlor	549636.36	594700.00	584800.00	584750.00	583600.00
Heptachlor Epoxide	529000.00	519400.00	509950.00	503825.00	497387.50
Methoxychlor	201820.00	193160.00	181780.00	172997.50	164821.25
Toxaphene			15199.000		
(2)			18826.500		
(3)			23283.000		
(4)			19076.500		
(5)			7795.000		
Endrin Ketone	434900.00	429550.00	419150.00	411237.50	402756.25
gamma-Chlordane	526800.00	521000.00	508500.00	506025.00	503425.00
alpha-Chlordane	463600.00	454800.00	441750.00	437925.00	433162.50
Decachlorobiphenyl	466000.00	432800.00	401125.00	376587.50	356975.00
Tetrachloro-m-Xylene	429200.00	424600.00	410850.00	411550.00	407787.50

FORM VI PEST

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: TRACEGC84 Calibration Date(s): 05/28/10 05/29/10

Column: CLPEST2 ID: 0.32 (mm) Calibration Time(s): 1818 0201

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Aldrin	AVRG	542192.500	0.5
beta-BHC	AVRG	248610.000	2.1
alpha-BHC	AVRG	607757.500	6.0
delta-BHC	AVRG	551235.000	4.4
gamma-BHC (Lindane)	AVRG	585542.500	3.8
4,4'-DDD	AVRG	340626.250	1.4
4,4'-DDE	AVRG	468602.500	2.3
4,4'-DDT	AVRG	405928.750	1.4
Dieldrin	AVRG	461928.750	0.9
Endosulfan I	AVRG	477982.500	3.1
Endosulfan II	AVRG	404930.000	3.0
Endosulfan sulfate	AVRG	366673.750	4.2
Endrin	AVRG	408648.750	2.3
Endrin Aldehyde	AVRG	316985.000	3.7
Heptachlor	AVRG	579497.273	3.0
Heptachlor Epoxide	AVRG	511912.500	2.4
Methoxychlor	AVRG	182915.750	8.2
Toxaphene	AVRG	15199.0000	0.0
(2)	AVRG	18826.5000	0.0
(3)	AVRG	23283.0000	0.0
(4)	AVRG	19076.5000	0.0
(5)	AVRG	7795.00000	0.0
Endrin Ketone	AVRG	419518.750	3.1
gamma-Chlordane	AVRG	513150.000	2.0
alpha-Chlordane	AVRG	446247.500	2.8
Decachlorobiphenyl	AVRG	406697.500	10.7
Tetrachloro-m-Xylene	AVRG	416797.500	2.3

FORM VI PEST

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: TRACEGC82 Calibration Date(s): 06/01/10 06/01/10

Column: CLPEST ID: 0.32 (mm) Calibration Time(s): 1716 2011

LAB FILE ID: RF0.0025: 004F0F01RF0.005: 005F0F010RF0.01: 010F0F0101
RF0.02: 007F0F0101RF0.04: 008F0F0101

COMPOUND	RF0.0025	RF0.005	RF0.01	RF0.02	RF0.04
Aldrin	2481400.0	2452300.0	2291300.0	2340025.0	2394575.0
beta-BHC	1143000.0	1046700.0	984700.00	992475.00	1008875.0
alpha-BHC	3030200.0	3033400.0	2886900.0	3026575.0	3166862.5
delta-BHC	2695200.0	2732500.0	2611850.0	2709425.0	2856287.5
gamma-BHC (Lindane)	2816200.0	2819400.0	2691650.0	2817825.0	2941250.0
4,4'-DDD	1553600.0	1595300.0	1490950.0	1480937.5	1551412.5
4,4'-DDE	2052700.0	2073000.0	1905225.0	1944512.5	2089043.8
4,4'-DDT	1744600.0	1782800.0	1668975.0	1664812.5	1751256.2
Dieldrin	2090800.0	2110200.0	1977400.0	1968412.5	2039212.5
Endosulfan I	2170000.0	2213100.0	1966450.0	1950600.0	2039700.0
Endosulfan II	1790500.0	1860900.0	1746000.0	1673775.0	1728025.0
Endosulfan sulfate	1617800.0	1694100.0	1564875.0	1480600.0	1513593.8
Endrin	1751800.0	1775000.0	1672025.0	1616175.0	1663987.5
Endrin Aldehyde	1390800.0	1464450.0	1390600.0	1295500.0	1317875.0
Heptachlor	2719400.0	2647900.0	2453800.0	2532775.0	2595562.5
Heptachlor Epoxide	2363600.0	2327400.0	2157400.0	2147425.0	2181475.0
Methoxychlor	742080.00	792240.00	728975.00	690335.00	703603.75
Toxaphene			74774.000		
(2)			48813.000		
(3)			46604.000		
(4)			57064.000		
(5)			90184.000		
Endrin Ketone	1882300.0	1998900.0	1850625.0	1738850.0	1778131.2
gamma-Chlordane	2391400.0	2345800.0	2145950.0	2153625.0	2192062.5
alpha-Chlordane	2033400.0	1995700.0	1859250.0	1854000.0	1878387.5
Decachlorobiphenyl	1753300.0	1839650.0	1644075.0	1452837.5	1420825.0
Tetrachloro-m-Xylene	1656600.0	1598500.0	1525050.0	1569125.0	1589212.5

FORM VI PEST

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: TRACEGC82 Calibration Date(s): 06/01/10 06/01/10

Column: CLPEST ID: 0.32 (mm) Calibration Time(s): 1716 2011

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Aldrin	AVRG	2391920.00	3.3
beta-BHC	AVRG	1035150.00	6.3
alpha-BHC	AVRG	3028787.50	3.3
delta-BHC	AVRG	2721052.50	3.2
gamma-BHC (Lindane)	AVRG	2817265.00	3.1
4,4'-DDD	AVRG	1534440.00	3.1
4,4'-DDE	AVRG	2012896.25	4.1
4,4'-DDT	AVRG	1722488.75	3.1
Dieldrin	AVRG	2037205.00	3.2
Endosulfan I	AVRG	2067970.00	5.7
Endosulfan II	AVRG	1759840.00	4.0
Endosulfan sulfate	AVRG	1574193.75	5.4
Endrin	AVRG	1695797.50	3.9
Endrin Aldehyde	AVRG	1371845.00	4.9
Heptachlor	AVRG	2589887.50	4.0
Heptachlor Epoxide	AVRG	2235460.00	4.6
Methoxychlor	AVRG	731446.750	5.4
Toxaphene	AVRG	74774.0000	0.0
(2)	AVRG	48813.0000	0.0
(3)	AVRG	46604.0000	0.0
(4)	AVRG	57064.0000	0.0
(5)	AVRG	90184.0000	0.0
Endrin Ketone	AVRG	1849761.25	5.4
gamma-Chlordane	AVRG	2245767.50	5.1
alpha-Chlordane	AVRG	1924147.50	4.4
Decachlorobiphenyl	AVRG	1622138.38	11.3
Tetrachloro-m-Xylene	AVRG	1587699.50	3.0

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: TRACEGC82 Calibration Date(s): 06/01/10 06/01/10

Column: CLPEST2 ID: 0.32 (mm) Calibration Time(s): 1716 2011

LAB FILE ID: RF0.0025: 004F0F01RF0.005: 005F0F010RF0.01: 010F0F0101
RF0.02: 007F0F0101RF0.04: 008F0F0101

COMPOUND	RF0.0025	RF0.005	RF0.01	RF0.02	RF0.04
Aldrin	796200.00	765400.00	694850.00	690025.00	686662.50
beta-BHC	367800.00	365900.00	337350.00	334625.00	331462.50
alpha-BHC	944200.00	933000.00	870800.00	901025.00	933237.50
delta-BHC	875600.00	835500.00	784450.00	803675.00	838750.00
gamma-BHC (Lindane)	899200.00	878200.00	825300.00	852175.00	879537.50
4,4'-DDD	478200.00	482500.00	442925.00	430575.00	436912.50
4,4'-DDE	670700.00	645750.00	587900.00	585500.00	596775.00
4,4'-DDT	532700.00	537350.00	490275.00	474987.50	483512.50
Dieldrin	648500.00	637750.00	580275.00	561200.00	564243.75
Endosulfan I	718000.00	686700.00	619550.00	592625.00	576750.00
Endosulfan II	567700.00	571150.00	522875.00	487712.50	484343.75
Endosulfan sulfate	518600.00	532400.00	477925.00	438187.50	431006.25
Endrin	577600.00	571600.00	515625.00	482487.50	476612.50
Endrin Aldehyde	460900.00	470250.00	432675.00	386400.00	378543.75
Heptachlor	846363.64	820800.00	745450.00	740675.00	737737.50
Heptachlor Epoxide	751000.00	729800.00	662050.00	643250.00	629475.00
Methoxychlor	228160.00	231360.00	206965.00	188595.00	186875.00
Toxaphene			24097.000		
(2)			29381.500		
(3)			12950.000		
(4)			11076.500		
(5)			23619.500		
Endrin Ketone	562500.00	592750.00	538525.00	495137.50	490162.50
gamma-Chlordane	759400.00	740100.00	665950.00	646075.00	639500.00
alpha-Chlordane	661800.00	637800.00	574850.00	557175.00	545650.00
Decachlorobiphenyl	551500.00	577450.00	509350.00	436787.50	411181.25
Tetrachloro-m-Xylene	585400.00	571700.00	525450.00	532200.00	529625.00

FORM VI PEST

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: TRACEGC82 Calibration Date(s): 06/01/10 06/01/10

Column: CLPEST2 ID: 0.32 (mm) Calibration Time(s): 1716 2011

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Aldrin	AVRG	726627.500	7.0
beta-BHC	AVRG	347427.500	5.1
alpha-BHC	AVRG	916452.500	3.3
delta-BHC	AVRG	827595.000	4.2
gamma-BHC (Lindane)	AVRG	866882.500	3.3
4,4'-DDD	AVRG	454222.500	5.3
4,4'-DDE	AVRG	617325.000	6.2
4,4'-DDT	AVRG	503765.000	5.8
Dieldrin	AVRG	598393.750	7.0
Endosulfan I	AVRG	638725.000	9.6
Endosulfan II	AVRG	526756.250	7.9
Endosulfan sulfate	AVRG	479623.750	9.5
Endrin	AVRG	524785.000	9.1
Endrin Aldehyde	AVRG	425753.750	9.8
Heptachlor	AVRG	778205.227	6.6
Heptachlor Epoxide	AVRG	683115.000	7.9
Methoxychlor	AVRG	208391.000	10.1
Toxaphene	AVRG	24097.0000	0.0
(2)	AVRG	29381.5000	0.0
(3)	AVRG	12950.0000	0.0
(4)	AVRG	11076.5000	0.0
(5)	AVRG	23619.5000	0.0
Endrin Ketone	AVRG	535815.000	8.2
gamma-Chlordane	AVRG	690205.000	8.1
alpha-Chlordane	AVRG	595455.000	8.6
Decachlorobiphenyl	AVRG	497254.500	14.4
Tetrachloro-m-Xylene	AVRG	548876.000	5.0

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: TRACEGC84 Calibration Date(s): 05/28/10 05/29/10

Column: CLPEST ID: 0.32 (mm) Calibration Time(s): 1818 0201

LAB FILE ID: RT1: 011J0E27012-CRT2: 012J0E27012-CRT3: 020J0E27012-A
RT4: 014J0E27012-CRT5: 015J0E27012-C

COMPOUND	RT1	RT2	RT3	RT4	RT5
Aldrin	12.340	12.340	12.340	12.340	12.340
beta-BHC	10.660	10.660	10.660	10.660	10.660
alpha-BHC	9.600	9.600	9.610	9.600	9.600
delta-BHC	11.090	11.090	11.100	11.090	11.090
gamma-BHC (Lindane)	10.430	10.430	10.430	10.430	10.430
4,4'-DDD	15.810	15.810	15.820	15.810	15.820
4,4'-DDE	14.510	14.520	14.520	14.510	14.520
4,4'-DDT	16.420	16.420	16.420	16.420	16.420
Dieldrin	15.160	15.170	15.170	15.160	15.170
Endosulfan I	14.630	14.640	14.640	14.630	14.640
Endosulfan II	16.160	16.160	16.160	16.160	16.160
Endosulfan sulfate	18.000	18.000	18.000	18.000	18.000
Endrin	15.680	15.680	15.680	15.680	15.680
Endrin Aldehyde	17.070	17.070	17.070	17.070	17.070
Heptachlor	11.620	11.620	11.620	11.620	11.620
Heptachlor Epoxide	13.750	13.750	13.750	13.750	13.750
Methoxychlor	17.440	17.440	17.440	17.440	17.450
Toxaphene			16.150		
(2)			16.290		
(3)			17.030		
(4)			17.900		
(5)			18.560		
Endrin Ketone	18.600	18.610	18.600	18.600	18.600
gamma-Chlordane	14.040	14.040	14.040	14.030	14.040
alpha-Chlordane	14.340	14.340	14.340	14.330	14.340
Decachlorobiphenyl	20.700	20.700	20.700	20.700	20.700
Tetrachloro-m-Xylene	8.090	8.080	8.090	8.080	8.080

FORM VI PEST

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: TRACEGC84 Calibration Date(s): 05/28/10 05/29/10

Column: CLPEST ID: 0.32 (mm) Calibration Time(s): 1818 0201

COMPOUND	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aldrin	12.340	12.272	12.412
beta-BHC	10.660	10.588	10.728
alpha-BHC	9.602	9.533	9.673
delta-BHC	11.092	11.023	11.163
gamma-BHC (Lindane)	10.430	10.357	10.497
4,4'-DDD	15.814	15.747	15.887
4,4'-DDE	14.516	14.445	14.585
4,4'-DDT	16.420	16.350	16.490
Dieldrin	15.166	15.098	15.238
Endosulfan I	14.636	14.567	14.707
Endosulfan II	16.160	16.092	16.232
Endosulfan sulfate	18.000	17.933	18.073
Endrin	15.680	15.605	15.745
Endrin Aldehyde	17.070	16.997	17.137
Heptachlor	11.620	11.552	11.692
Heptachlor Epoxide	13.750	13.683	13.823
Methoxychlor	17.442	17.375	17.515
Toxaphene	16.150	16.078	16.218
(2)	16.290	16.223	16.363
(3)	17.030	16.957	17.097
(4)	17.900	17.827	17.967
(5)	18.560	18.493	18.633
Endrin Ketone	18.602	18.533	18.673
gamma-Chlordane	14.038	13.967	14.107
alpha-Chlordane	14.338	14.265	14.405
Decachlorobiphenyl	20.700	20.635	20.775
Tetrachloro-m-Xylene	8.084	8.012	8.152

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: TRACEGC84 Calibration Date(s): 05/28/10 05/29/10

Column: CLPEST2 ID: 0.32 (mm) Calibration Time(s): 1818 0201

LAB FILE ID: RT1: 011J0E27012-CRT2: 012J0E27012-CRT3: 020J0E27012-A
RT4: 014J0E27012-CRT5: 015J0E27012-C

COMPOUND	RT1	RT2	RT3	RT4	RT5
Aldrin	12.280	12.280	12.280	12.280	12.280
beta-BHC	10.700	10.700	10.700	10.690	10.700
alpha-BHC	9.550	9.550	9.550	9.550	9.550
delta-BHC	11.400	11.400	11.400	11.400	11.400
gamma-BHC (Lindane)	10.460	10.460	10.460	10.460	10.460
4,4'-DDD	15.970	15.980	15.970	15.970	15.980
4,4'-DDE	14.730	14.730	14.730	14.730	14.730
4,4'-DDT	16.640	16.640	16.640	16.640	16.640
Dieldrin	15.060	15.060	15.060	15.060	15.060
Endosulfan I	14.460	14.460	14.460	14.460	14.460
Endosulfan II	16.180	16.180	16.180	16.180	16.180
Endosulfan sulfate	17.490	17.490	17.490	17.490	17.490
Endrin	15.720	15.720	15.720	15.720	15.720
Endrin Aldehyde	16.900	16.900	16.900	16.900	16.900
Heptachlor	11.520	11.520	11.530	11.520	11.520
Heptachlor Epoxide	13.600	13.600	13.600	13.600	13.600
Methoxychlor	18.090	18.100	18.090	18.090	18.100
Toxaphene			15.610		
(2)			16.360		
(3)			16.920		
(4)			18.120		
(5)			18.540		
Endrin Ketone	18.630	18.630	18.630	18.630	18.630
gamma-Chlordane	14.020	14.020	14.020	14.020	14.020
alpha-Chlordane	14.350	14.350	14.350	14.340	14.350
Decachlorobiphenyl	21.250	21.250	21.250	21.250	21.250
Tetrachloro-m-Xylene	7.890	7.890	7.890	7.890	7.890

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: TRACEGC84 Calibration Date(s): 05/28/10 05/29/10

Column: CLPEST2 ID: 0.32 (mm) Calibration Time(s): 1818 0201

COMPOUND	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aldrin	12.280	12.208	12.348
beta-BHC	10.698	10.625	10.765
alpha-BHC	9.550	9.480	9.620
delta-BHC	11.400	11.330	11.470
gamma-BHC (Lindane)	10.460	10.390	10.530
4,4'-DDD	15.974	15.907	16.047
4,4'-DDE	14.730	14.665	14.805
4,4'-DDT	16.640	16.572	16.712
Dieldrin	15.060	14.993	15.133
Endosulfan I	14.460	14.392	14.532
Endosulfan II	16.180	16.108	16.248
Endosulfan sulfate	17.490	17.420	17.560
Endrin	15.720	15.652	15.792
Endrin Aldehyde	16.900	16.833	16.973
Heptachlor	11.522	11.453	11.593
Heptachlor Epoxide	13.600	13.528	13.668
Methoxychlor	18.094	18.027	18.167
Toxaphene	15.610	15.535	15.675
(2)	16.360	16.288	16.428
(3)	16.920	16.847	16.987
(4)	18.120	18.050	18.190
(5)	18.540	18.465	18.605
Endrin Ketone	18.630	18.557	18.697
gamma-Chlordane	14.020	13.952	14.092
alpha-Chlordane	14.348	14.277	14.417
Decachlorobiphenyl	21.250	21.180	21.320
Tetrachloro-m-Xylene	7.890	7.823	7.963

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: TRACEGC82 Calibration Date(s): 06/01/10 06/01/10

Column: CLPEST ID: 0.32 (mm) Calibration Time(s): 1716 2011

LAB FILE ID: RT1: 004F0F01010-CRT2: 005F0F01010-CRT3: 010F0F01010-A
RT4: 007F0F01010-CRT5: 008F0F01010-C

COMPOUND	RT1	RT2	RT3	RT4	RT5
Aldrin	13.180	13.180	13.180	13.180	13.180
beta-BHC	11.480	11.470	11.470	11.480	11.480
alpha-BHC	10.380	10.370	10.370	10.380	10.390
delta-BHC	11.920	11.920	11.920	11.920	11.920
gamma-BHC (Lindane)	11.230	11.220	11.220	11.230	11.230
4,4'-DDD	16.730	16.730	16.730	16.730	16.730
4,4'-DDE	15.400	15.410	15.410	15.410	15.410
4,4'-DDT	17.340	17.350	17.340	17.340	17.340
Dieldrin	16.060	16.060	16.060	16.060	16.060
Endosulfan I	15.520	15.520	15.520	15.520	15.520
Endosulfan II	17.070	17.080	17.080	17.070	17.080
Endosulfan sulfate	18.950	18.950	18.960	18.950	18.950
Endrin	16.570	16.580	16.580	16.580	16.580
Endrin Aldehyde	18.000	18.000	18.000	18.000	18.000
Heptachlor	12.450	12.450	12.450	12.450	12.450
Heptachlor Epoxide	14.620	14.620	14.630	14.630	14.630
Methoxychlor	18.400	18.400	18.400	18.400	18.400
Toxaphene			17.200		
(2)			17.320		
(3)			17.750		
(4)			17.950		
(5)			18.730		
Endrin Ketone	19.560	19.570	19.570	19.570	19.570
gamma-Chlordane	14.910	14.910	14.910	14.910	14.910
alpha-Chlordane	15.210	15.210	15.210	15.210	15.220
Decachlorobiphenyl	21.850	21.860	21.860	21.840	21.860
Tetrachloro-m-Xylene	8.800	8.780	8.780	8.800	8.800

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: TRACEGC82 Calibration Date(s): 06/01/10 06/01/10

Column: CLPEST ID: 0.32 (mm) Calibration Time(s): 1716 2011

COMPOUND	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aldrin	13.180	13.113	13.253
beta-BHC	11.476	11.410	11.550
alpha-BHC	10.378	10.317	10.457
delta-BHC	11.920	11.853	11.993
gamma-BHC (Lindane)	11.226	11.163	11.303
4,4'-DDD	16.730	16.662	16.802
4,4'-DDE	15.408	15.338	15.478
4,4'-DDT	17.342	17.275	17.415
Dieldrin	16.060	15.993	16.133
Endosulfan I	15.520	15.452	15.592
Endosulfan II	17.076	17.007	17.147
Endosulfan sulfate	18.952	18.885	19.025
Endrin	16.578	16.508	16.648
Endrin Aldehyde	18.000	17.930	18.070
Heptachlor	12.450	12.382	12.522
Heptachlor Epoxide	14.626	14.557	14.697
Methoxychlor	18.400	18.330	18.470
Toxaphene	17.200	17.133	17.273
(2)	17.320	17.255	17.395
(3)	17.750	17.677	17.817
(4)	17.950	17.878	18.018
(5)	18.730	18.658	18.798
Endrin Ketone	19.568	19.495	19.635
gamma-Chlordane	14.910	14.843	14.983
alpha-Chlordane	15.212	15.147	15.287
Decachlorobiphenyl	21.854	21.785	21.925
Tetrachloro-m-Xylene	8.792	8.730	8.870

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: TRACEGC82 Calibration Date(s): 06/01/10 06/01/10

Column: CLPEST2 ID: 0.32 (mm) Calibration Time(s): 1716 2011

LAB FILE ID: RT1: 004F0F01010-CRT2: 005F0F01010-CRT3: 010F0F01010-A
RT4: 007F0F01010-CRT5: 008F0F01010-C

COMPOUND	RT1	RT2	RT3	RT4	RT5
Aldrin	13.170	13.170	13.170	13.170	13.170
beta-BHC	11.570	11.560	11.560	11.570	11.570
alpha-BHC	10.390	10.380	10.380	10.390	10.390
delta-BHC	12.290	12.280	12.280	12.290	12.290
gamma-BHC (Lindane)	11.320	11.320	11.320	11.320	11.320
4,4'-DDD	16.940	16.950	16.950	16.940	16.950
4,4'-DDE	15.680	15.680	15.680	15.680	15.680
4,4'-DDT	17.620	17.620	17.620	17.620	17.620
Dieldrin	16.010	16.010	16.010	16.010	16.010
Endosulfan I	15.390	15.390	15.390	15.390	15.400
Endosulfan II	17.140	17.140	17.140	17.140	17.140
Endosulfan sulfate	18.470	18.470	18.470	18.470	18.470
Endrin	16.670	16.670	16.670	16.670	16.670
Endrin Aldehyde	17.870	17.880	17.880	17.870	17.870
Heptachlor	12.400	12.400	12.400	12.400	12.400
Heptachlor Epoxide	14.520	14.520	14.520	14.520	14.520
Methoxychlor	19.100	19.100	19.100	19.100	19.100
Toxaphene			17.320		
(2)			17.890		
(3)			18.450		
(4)			18.650		
(5)			18.990		
Endrin Ketone	19.620	19.620	19.620	19.620	19.620
gamma-Chlordane	14.950	14.950	14.950	14.950	14.950
alpha-Chlordane	15.280	15.280	15.280	15.280	15.280
Decachlorobiphenyl	22.540	22.540	22.540	22.540	22.540
Tetrachloro-m-Xylene	8.660	8.640	8.640	8.660	8.660

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: TRACEGC82 Calibration Date(s): 06/01/10 06/01/10

Column: CLPEST2 ID: 0.32 (mm) Calibration Time(s): 1716 2011

COMPOUND	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aldrin	13.170	13.102	13.242
beta-BHC	11.566	11.500	11.640
alpha-BHC	10.386	10.317	10.457
delta-BHC	12.286	12.218	12.358
gamma-BHC (Lindane)	11.320	11.252	11.392
4,4'-DDD	16.946	16.875	17.015
4,4'-DDE	15.680	15.613	15.753
4,4'-DDT	17.620	17.548	17.688
Dieldrin	16.010	15.937	16.077
Endosulfan I	15.392	15.327	15.467
Endosulfan II	17.140	17.070	17.210
Endosulfan sulfate	18.470	18.402	18.542
Endrin	16.670	16.603	16.743
Endrin Aldehyde	17.874	17.805	17.945
Heptachlor	12.400	12.335	12.475
Heptachlor Epoxide	14.520	14.450	14.590
Methoxychlor	19.100	19.028	19.168
Toxaphene	17.320	17.250	17.390
(2)	17.890	17.818	17.958
(3)	18.450	18.378	18.518
(4)	18.650	18.580	18.720
(5)	18.990	18.918	19.058
Endrin Ketone	19.620	19.552	19.692
gamma-Chlordane	14.950	14.882	15.022
alpha-Chlordane	15.280	15.212	15.352
Decachlorobiphenyl	22.540	22.470	22.610
Tetrachloro-m-Xylene	8.652	8.587	8.727

FORM VI PEST

b. Continuing Calibration Summary (Form VII)

For all performance evaluation mixtures (if applicable) and Continuing calibration verification standards, on all GC columns and instruments, in chronological order by GC column and instrument.

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: TRACEGC82 Calibration Date: 06/01/10 Time: 2207

Lab File ID: 014FSEQ-CCV1 Init. Calib. Date(s): 06/01/10 06/01/10

Init. Calib. Times: 1716 1913

GC Column: CLPEST ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	2391920.0	2305015.0	0.01	-3.63	20.00	AVRG
alpha-BHC	3028787.5	2917530.0	0.01	-3.67	20.00	AVRG
beta-BHC	1035150.0	988885.00	0.01	-4.47	20.00	AVRG
delta-BHC	2721052.5	2643610.0	0.01	-2.85	20.00	AVRG
gamma-BHC (Lindane)	2817265.0	2719535.0	0.01	-3.47	20.00	AVRG
4,4'-DDD	1534440.0	1509110.0	0.01	-1.65	20.00	AVRG
4,4'-DDE	2012896.3	1919502.5	0.01	-4.64	20.00	AVRG
4,4'-DDT	1722488.7	1708226.2	0.01	-0.83	20.00	AVRG
Dieldrin	2037205.0	1992953.8	0.01	-2.17	20.00	AVRG
Endosulfan I	2067970.0	1982260.0	0.01	-4.14	20.00	AVRG
Endosulfan II	1759840.0	1756707.5	0.01	-0.18	20.00	AVRG
Endosulfan sulfate	1574193.8	1563136.2	0.01	-0.70	20.00	AVRG
Endrin	1695797.5	1684813.8	0.01	-0.65	20.00	AVRG
Endrin Aldehyde	1371845.0	1422035.0	0.01	3.66	20.00	AVRG
Heptachlor	2589887.5	2485682.5	0.01	-4.02	20.00	AVRG
Heptachlor Epoxide	2235460.0	2165492.5	0.01	-3.13	20.00	AVRG
Methoxychlor	731446.75	732491.50	0.01	0.14	20.00	AVRG
Endrin Ketone	1849761.2	1863425.0	0.01	0.74	20.00	AVRG
gamma-Chlordane	2245767.5	2159205.0	0.01	-3.85	20.00	AVRG
alpha-Chlordane	1924147.5	1872265.0	0.01	-2.70	20.00	AVRG
Decachlorobiphenyl	1622137.5	1652282.5	0.01	1.86	20.00	AVRG
Tetrachloro-m-Xylene	1587697.5	1546220.0	0.01	-2.61	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: TRACEGC82 Calibration Date: 06/01/10 Time: 2207

Lab File ID: 014FSEQ-CCV1 Init. Calib. Date(s): 06/01/10 06/01/10

Init. Calib. Times: 1716 1913

GC Column: CLPEST2 ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	726627.50	704780.00	0.01	-3.01	20.00	AVRG
beta-BHC	347427.50	340735.00	0.01	-1.93	20.00	AVRG
alpha-BHC	916452.50	884130.00	0.01	-3.53	20.00	AVRG
delta-BHC	827595.00	797137.50	0.01	-3.68	20.00	AVRG
gamma-BHC (Lindane)	866882.50	839925.00	0.01	-3.11	20.00	AVRG
4,4'-DDD	454222.50	452805.00	0.01	-0.31	20.00	AVRG
4,4'-DDE	617325.00	603055.00	0.01	-2.31	20.00	AVRG
4,4'-DDT	503765.00	503602.50	0.01	-0.03	20.00	AVRG
Dieldrin	598393.75	588156.25	0.01	-1.71	20.00	AVRG
Endosulfan I	638725.00	634995.00	0.01	-0.58	20.00	AVRG
Endosulfan II	526756.25	531255.00	0.01	0.85	20.00	AVRG
Endosulfan sulfate	479623.75	486675.00	0.01	1.47	20.00	AVRG
Endrin	524785.00	522648.75	0.01	-0.41	20.00	AVRG
Endrin Aldehyde	425753.75	441310.00	0.01	3.65	20.00	AVRG
Heptachlor	778205.23	759122.50	0.01	-2.45	20.00	AVRG
Heptachlor Epoxide	683115.00	670355.00	0.01	-1.87	20.00	AVRG
Methoxychlor	208391.00	210849.00	0.01	1.18	20.00	AVRG
Endrin Ketone	535815.00	549357.50	0.01	2.53	20.00	AVRG
gamma-Chlordane	690205.00	676047.50	0.01	-2.05	20.00	AVRG
alpha-Chlordane	595455.00	583475.00	0.01	-2.01	20.00	AVRG
Decachlorobiphenyl	497253.75	521877.50	0.01	4.95	20.00	AVRG
Tetrachloro-m-Xylene	548875.00	534435.00	0.01	-2.63	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: TRACEGC82 Calibration Date: 06/02/10 Time: 0426

Lab File ID: 027FSEQ-CCV2 Init. Calib. Date(s): 06/01/10 06/01/10

Init. Calib. Times: 1716 1913

GC Column: CLPEST ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	2391920.0	2500000.0	0.01	4.52	20.00	AVRG
alpha-BHC	3028787.5	3162050.0	0.01	4.40	20.00	AVRG
beta-BHC	1035150.0	1066300.0	0.01	3.01	20.00	AVRG
delta-BHC	2721052.5	2816750.0	0.01	3.52	20.00	AVRG
gamma-BHC (Lindane)	2817265.0	2946450.0	0.01	4.58	20.00	AVRG
4,4'-DDD	1534440.0	1569800.0	0.01	2.30	20.00	AVRG
4,4'-DDE	2012896.3	2026550.0	0.01	0.68	20.00	AVRG
4,4'-DDT	1722488.7	1729850.0	0.01	0.43	20.00	AVRG
Dieldrin	2037205.0	2077050.0	0.01	1.96	20.00	AVRG
Endosulfan I	2067970.0	2094300.0	0.01	1.27	20.00	AVRG
Endosulfan II	1759840.0	1761225.0	0.01	0.08	20.00	AVRG
Endosulfan sulfate	1574193.8	1536675.0	0.01	-2.38	20.00	AVRG
Endrin	1695797.5	1701325.0	0.01	0.32	20.00	AVRG
Endrin Aldehyde	1371845.0	1401675.0	0.01	2.17	20.00	AVRG
Heptachlor	2589887.5	2704150.0	0.01	4.41	20.00	AVRG
Heptachlor Epoxide	2235460.0	2305050.0	0.01	3.11	20.00	AVRG
Methoxychlor	731446.75	712835.00	0.01	-2.54	20.00	AVRG
Endrin Ketone	1849761.2	1827625.0	0.01	-1.20	20.00	AVRG
gamma-Chlordane	2245767.5	2301450.0	0.01	2.48	20.00	AVRG
alpha-Chlordane	1924147.5	1993100.0	0.01	3.58	20.00	AVRG
Decachlorobiphenyl	1622137.5	1543150.0	0.01	-4.87	20.00	AVRG
Tetrachloro-m-Xylene	1587697.5	1686450.0	0.01	6.22	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: TRACEGC82 Calibration Date: 06/02/10 Time: 0426

Lab File ID: 027FSEQ-CCV2 Init. Calib. Date(s): 06/01/10 06/01/10

Init. Calib. Times: 1716 1913

GC Column: CLPEST2 ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	726627.50	743100.00	0.01	2.27	20.00	AVRG
beta-BHC	347427.50	360000.00	0.01	3.62	20.00	AVRG
alpha-BHC	916452.50	939700.00	0.01	2.54	20.00	AVRG
delta-BHC	827595.00	833950.00	0.01	0.77	20.00	AVRG
gamma-BHC (Lindane)	866882.50	890100.00	0.01	2.68	20.00	AVRG
4,4'-DDD	454222.50	450850.00	0.01	-0.74	20.00	AVRG
4,4'-DDE	617325.00	622425.00	0.01	0.83	20.00	AVRG
4,4'-DDT	503765.00	498700.00	0.01	-1.00	20.00	AVRG
Dieldrin	598393.75	600950.00	0.01	0.43	20.00	AVRG
Endosulfan I	638725.00	649350.00	0.01	1.66	20.00	AVRG
Endosulfan II	526756.25	523125.00	0.01	-0.69	20.00	AVRG
Endosulfan sulfate	479623.75	468775.00	0.01	-2.26	20.00	AVRG
Endrin	524785.00	517575.00	0.01	-1.37	20.00	AVRG
Endrin Aldehyde	425753.75	426025.00	0.01	0.06	20.00	AVRG
Heptachlor	778205.23	804900.00	0.01	3.43	20.00	AVRG
Heptachlor Epoxide	683115.00	697000.00	0.01	2.03	20.00	AVRG
Methoxychlor	208391.00	201835.00	0.01	-3.15	20.00	AVRG
Endrin Ketone	535815.00	526375.00	0.01	-1.76	20.00	AVRG
gamma-Chlordane	690205.00	699450.00	0.01	1.34	20.00	AVRG
alpha-Chlordane	595455.00	605000.00	0.01	1.60	20.00	AVRG
Decachlorobiphenyl	497253.75	484825.00	0.01	-2.50	20.00	AVRG
Tetrachloro-m-Xylene	548875.00	570000.00	0.01	3.85	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: TRACEGC82 Calibration Date: 06/02/10 Time: 1044

Lab File ID: 040FSEQ-CCV3 Init. Calib. Date(s): 06/01/10 06/01/10

Init. Calib. Times: 1716 1913

GC Column: CLPEST ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	2391920.0	2610640.0	0.01	9.14	20.00	AVRG
alpha-BHC	3028787.5	3320940.0	0.01	9.64	20.00	AVRG
beta-BHC	1035150.0	1046692.5	0.01	1.12	20.00	AVRG
delta-BHC	2721052.5	2962520.0	0.01	8.87	20.00	AVRG
gamma-BHC (Lindane)	2817265.0	3058305.0	0.01	8.56	20.00	AVRG
4,4'-DDD	1534440.0	1605438.8	0.01	4.63	20.00	AVRG
4,4'-DDE	2012896.3	2014605.0	0.01	0.08	20.00	AVRG
4,4'-DDT	1722488.7	1711901.2	0.01	-0.61	20.00	AVRG
Dieldrin	2037205.0	2127763.8	0.01	4.44	20.00	AVRG
Endosulfan I	2067970.0	2055280.0	0.01	-0.61	20.00	AVRG
Endosulfan II	1759840.0	1755483.8	0.01	-0.25	20.00	AVRG
Endosulfan sulfate	1574193.8	1522526.2	0.01	-3.28	20.00	AVRG
Endrin	1695797.5	1804312.5	0.01	6.40	20.00	AVRG
Endrin Aldehyde	1371845.0	1404537.5	0.01	2.38	20.00	AVRG
Heptachlor	2589887.5	2844765.0	0.01	9.84	20.00	AVRG
Heptachlor Epoxide	2235460.0	2366445.0	0.01	5.86	20.00	AVRG
Methoxychlor	731446.75	733136.50	0.01	0.23	20.00	AVRG
Endrin Ketone	1849761.2	1822297.5	0.01	-1.48	20.00	AVRG
gamma-Chlordane	2245767.5	2379410.0	0.01	5.95	20.00	AVRG
alpha-Chlordane	1924147.5	2008112.5	0.01	4.36	20.00	AVRG
Decachlorobiphenyl	1622137.5	1591382.5	0.01	-1.90	20.00	AVRG
Tetrachloro-m-Xylene	1587697.5	1772045.0	0.01	11.61	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: TRACEGC82 Calibration Date: 06/02/10 Time: 1044

Lab File ID: 040FSEQ-CCV3 Init. Calib. Date(s): 06/01/10 06/01/10

Init. Calib. Times: 1716 1913

GC Column: CLPEST2 ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	726627.50	775145.00	0.01	6.68	20.00	AVRG
beta-BHC	347427.50	362480.00	0.01	4.33	20.00	AVRG
alpha-BHC	916452.50	991505.00	0.01	8.19	20.00	AVRG
delta-BHC	827595.00	844152.50	0.01	2.00	20.00	AVRG
gamma-BHC (Lindane)	866882.50	920362.50	0.01	6.17	20.00	AVRG
4,4'-DDD	454222.50	461046.25	0.01	1.50	20.00	AVRG
4,4'-DDE	617325.00	637945.00	0.01	3.34	20.00	AVRG
4,4'-DDT	503765.00	495407.50	0.01	-1.66	20.00	AVRG
Dieldrin	598393.75	612227.50	0.01	2.31	20.00	AVRG
Endosulfan I	638725.00	651430.00	0.01	1.99	20.00	AVRG
Endosulfan II	526756.25	519397.50	0.01	-1.40	20.00	AVRG
Endosulfan sulfate	479623.75	462070.00	0.01	-3.66	20.00	AVRG
Endrin	524785.00	543870.00	0.01	3.64	20.00	AVRG
Endrin Aldehyde	425753.75	431050.00	0.01	1.24	20.00	AVRG
Heptachlor	778205.23	866780.00	0.01	11.38	20.00	AVRG
Heptachlor Epoxide	683115.00	713897.50	0.01	4.51	20.00	AVRG
Methoxychlor	208391.00	206445.50	0.01	-0.93	20.00	AVRG
Endrin Ketone	535815.00	523445.00	0.01	-2.31	20.00	AVRG
gamma-Chlordane	690205.00	711860.00	0.01	3.14	20.00	AVRG
alpha-Chlordane	595455.00	606805.00	0.01	1.91	20.00	AVRG
Decachlorobiphenyl	497253.75	479865.00	0.01	-3.50	20.00	AVRG
Tetrachloro-m-Xylene	548875.00	609670.00	0.01	11.08	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: TRACEGC82 Calibration Date: 06/02/10 Time: 1703

Lab File ID: 053FSEQ-CCV4 Init. Calib. Date(s): 06/01/10 06/01/10

Init. Calib. Times: 1716 1913

GC Column: CLPEST ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	2391920.0	2620080.0	0.01	9.54	20.00	AVRG
alpha-BHC	3028787.5	3314952.5	0.01	9.45	20.00	AVRG
beta-BHC	1035150.0	1018735.0	0.01	-1.58	20.00	AVRG
delta-BHC	2721052.5	2667555.0	0.01	-1.97	20.00	AVRG
gamma-BHC (Lindane)	2817265.0	3040907.5	0.01	7.94	20.00	AVRG
4,4'-DDD	1534440.0	1582542.5	0.01	3.13	20.00	AVRG
4,4'-DDE	2012896.3	1929543.8	0.01	-4.14	20.00	AVRG
4,4'-DDT	1722488.7	1733706.2	0.01	0.65	20.00	AVRG
Dieldrin	2037205.0	2147211.2	0.01	5.40	20.00	AVRG
Endosulfan I	2067970.0	2001037.5	0.01	-3.24	20.00	AVRG
Endosulfan II	1759840.0	1788807.5	0.01	1.65	20.00	AVRG
Endosulfan sulfate	1574193.8	1548675.0	0.01	-1.62	20.00	AVRG
Endrin	1695797.5	1773380.0	0.01	4.57	20.00	AVRG
Endrin Aldehyde	1371845.0	1404705.0	0.01	2.40	20.00	AVRG
Heptachlor	2589887.5	2834360.0	0.01	9.44	20.00	AVRG
Heptachlor Epoxide	2235460.0	2396012.5	0.01	7.18	20.00	AVRG
Methoxychlor	731446.75	751752.50	0.01	2.78	20.00	AVRG
Endrin Ketone	1849761.2	1832870.0	0.01	-0.91	20.00	AVRG
gamma-Chlordane	2245767.5	2360252.5	0.01	5.10	20.00	AVRG
alpha-Chlordane	1924147.5	2035167.5	0.01	5.77	20.00	AVRG
Decachlorobiphenyl	1622137.5	1631845.0	0.01	0.60	20.00	AVRG
Tetrachloro-m-Xylene	1587697.5	1782222.5	0.01	12.25	20.00	AVRG

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: TRACEGC82 Calibration Date: 06/02/10 Time: 1703

Lab File ID: 053FSEQ-CCV4 Init. Calib. Date(s): 06/01/10 06/01/10

Init. Calib. Times: 1716 1913

GC Column: CLPEST2 ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	726627.50	765370.00	0.01	5.33	20.00	AVRG
beta-BHC	347427.50	342115.00	0.01	-1.53	20.00	AVRG
alpha-BHC	916452.50	970940.00	0.01	5.94	20.00	AVRG
delta-BHC	827595.00	768502.50	0.01	-7.14	20.00	AVRG
gamma-BHC (Lindane)	866882.50	903990.00	0.01	4.28	20.00	AVRG
4,4'-DDD	454222.50	461762.50	0.01	1.66	20.00	AVRG
4,4'-DDE	617325.00	635072.50	0.01	2.87	20.00	AVRG
4,4'-DDT	503765.00	486110.00	0.01	-3.50	20.00	AVRG
Dieldrin	598393.75	611167.50	0.01	2.13	20.00	AVRG
Endosulfan I	638725.00	652612.50	0.01	2.17	20.00	AVRG
Endosulfan II	526756.25	516815.00	0.01	-1.89	20.00	AVRG
Endosulfan sulfate	479623.75	462522.50	0.01	-3.56	20.00	AVRG
Endrin	524785.00	525041.25	0.01	0.05	20.00	AVRG
Endrin Aldehyde	425753.75	417131.25	0.01	-2.02	20.00	AVRG
Heptachlor	778205.23	817627.50	0.01	5.06	20.00	AVRG
Heptachlor Epoxide	683115.00	711435.00	0.01	4.14	20.00	AVRG
Methoxychlor	208391.00	207552.00	0.01	-0.40	20.00	AVRG
Endrin Ketone	535815.00	525587.50	0.01	-1.91	20.00	AVRG
gamma-Chlordane	690205.00	710430.00	0.01	2.93	20.00	AVRG
alpha-Chlordane	595455.00	608140.00	0.01	2.13	20.00	AVRG
Decachlorobiphenyl	497253.75	497656.25	0.01	0.08	20.00	AVRG
Tetrachloro-m-Xylene	548875.00	598297.50	0.01	9.00	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: TRACEGC84 Calibration Date: 06/04/10 Time: 2237

Lab File ID: 213JSEQ-CCV3 Init. Calib. Date(s): 05/28/10 05/28/10

Init. Calib. Times: 1818 2014

GC Column: CLPEST ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	636570.00	680650.00	0.01	6.92	20.00	AVRG
alpha-BHC	775960.00	842750.00	0.01	8.61	20.00	AVRG
beta-BHC	300532.50	321300.00	0.01	6.91	20.00	AVRG
delta-BHC	689517.50	730750.00	0.01	5.98	20.00	AVRG
gamma-BHC (Lindane)	729192.50	785400.00	0.01	7.71	20.00	AVRG
4,4'-DDD	393457.50	402175.00	0.01	2.22	20.00	AVRG
4,4'-DDE	523741.25	528050.00	0.01	0.82	20.00	AVRG
4,4'-DDT	454781.25	459300.00	0.01	0.99	20.00	AVRG
Dieldrin	515556.25	543775.00	0.01	5.47	20.00	AVRG
Endosulfan I	548162.50	570400.00	0.01	4.06	20.00	AVRG
Endosulfan II	450326.25	467425.00	0.01	3.80	20.00	AVRG
Endosulfan sulfate	392055.00	400625.00	0.01	2.18	20.00	AVRG
Endrin	463071.25	499825.00	0.01	7.94	20.00	AVRG
Endrin Aldehyde	348470.00	365400.00	0.01	4.86	20.00	AVRG
Heptachlor	695465.00	745550.00	0.01	7.20	20.00	AVRG
Heptachlor Epoxide	593700.00	625950.00	0.01	5.43	20.00	AVRG
Methoxychlor	194359.00	193155.00	0.01	-0.62	20.00	AVRG
Endrin Ketone	457257.50	453200.00	0.01	-0.89	20.00	AVRG
gamma-Chlordane	594875.00	630650.00	0.01	6.01	20.00	AVRG
alpha-Chlordane	516712.50	548050.00	0.01	6.06	20.00	AVRG
Decachlorobiphenyl	408350.00	399025.00	0.01	-2.28	20.00	AVRG
Tetrachloro-m-Xylene	522757.50	559250.00	0.01	6.98	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: TRACEGC84 Calibration Date: 06/04/10 Time: 2237

Lab File ID: 213JSEQ-CCV3 Init. Calib. Date(s): 05/28/10 05/28/10

Init. Calib. Times: 1818 2014

GC Column: CLPEST2 ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	542192.50	573400.00	0.01	5.76	20.00	AVRG
beta-BHC	248610.00	260700.00	0.01	4.86	20.00	AVRG
alpha-BHC	607757.50	638050.00	0.01	4.98	20.00	AVRG
delta-BHC	551235.00	564400.00	0.01	2.39	20.00	AVRG
gamma-BHC (Lindane)	585542.50	620400.00	0.01	5.95	20.00	AVRG
4,4'-DDD	340626.25	346500.00	0.01	1.72	20.00	AVRG
4,4'-DDE	468602.50	489400.00	0.01	4.44	20.00	AVRG
4,4'-DDT	405928.75	404175.00	0.01	-0.43	20.00	AVRG
Dieldrin	461928.75	488875.00	0.01	5.83	20.00	AVRG
Endosulfan I	477982.50	501650.00	0.01	4.95	20.00	AVRG
Endosulfan II	404930.00	420800.00	0.01	3.92	20.00	AVRG
Endosulfan sulfate	366673.75	374725.00	0.01	2.20	20.00	AVRG
Endrin	408648.75	446975.00	0.01	9.38	20.00	AVRG
Endrin Aldehyde	316985.00	327600.00	0.01	3.35	20.00	AVRG
Heptachlor	579497.27	613400.00	0.01	5.85	20.00	AVRG
Heptachlor Epoxide	511912.50	538250.00	0.01	5.14	20.00	AVRG
Methoxychlor	182915.75	180060.00	0.01	-1.56	20.00	AVRG
Endrin Ketone	419518.75	417125.00	0.01	-0.57	20.00	AVRG
gamma-Chlordane	513150.00	539550.00	0.01	5.14	20.00	AVRG
alpha-Chlordane	446247.50	468450.00	0.01	4.98	20.00	AVRG
Decachlorobiphenyl	406697.50	395900.00	0.01	-2.65	20.00	AVRG
Tetrachloro-m-Xylene	416797.50	431150.00	0.01	3.44	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: TRACEGC84 Calibration Date: 06/05/10 Time: 0522

Lab File ID: 227JSEQ-CCV4 Init. Calib. Date(s): 05/28/10 05/28/10

Init. Calib. Times: 1818 2014

GC Column: CLPEST ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	636570.00	670555.00	0.01	5.34	20.00	AVRG
alpha-BHC	775960.00	828015.00	0.01	6.71	20.00	AVRG
beta-BHC	300532.50	321955.00	0.01	7.13	20.00	AVRG
delta-BHC	689517.50	732885.00	0.01	6.29	20.00	AVRG
gamma-BHC (Lindane)	729192.50	774935.00	0.01	6.27	20.00	AVRG
4,4'-DDD	393457.50	405343.75	0.01	3.02	20.00	AVRG
4,4'-DDE	523741.25	543106.25	0.01	3.70	20.00	AVRG
4,4'-DDT	454781.25	462410.00	0.01	1.68	20.00	AVRG
Dieldrin	515556.25	534622.50	0.01	3.70	20.00	AVRG
Endosulfan I	548162.50	584947.50	0.01	6.71	20.00	AVRG
Endosulfan II	450326.25	465343.75	0.01	3.33	20.00	AVRG
Endosulfan sulfate	392055.00	400767.50	0.01	2.22	20.00	AVRG
Endrin	463071.25	494665.00	0.01	6.82	20.00	AVRG
Endrin Aldehyde	348470.00	362996.25	0.01	4.17	20.00	AVRG
Heptachlor	695465.00	731100.00	0.01	5.12	20.00	AVRG
Heptachlor Epoxide	593700.00	621085.00	0.01	4.61	20.00	AVRG
Methoxychlor	194359.00	195853.25	0.01	0.77	20.00	AVRG
Endrin Ketone	457257.50	458347.50	0.01	0.24	20.00	AVRG
gamma-Chlordane	594875.00	617865.00	0.01	3.86	20.00	AVRG
alpha-Chlordane	516712.50	543260.00	0.01	5.14	20.00	AVRG
Decachlorobiphenyl	408350.00	404598.75	0.01	-0.92	20.00	AVRG
Tetrachloro-m-Xylene	522757.50	558400.00	0.01	6.82	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: TRACEGC84 Calibration Date: 06/05/10 Time: 0522

Lab File ID: 227JSEQ-CCV4 Init. Calib. Date(s): 05/28/10 05/28/10

Init. Calib. Times: 1818 2014

GC Column: CLPEST2 ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	542192.50	562490.00	0.01	3.74	20.00	AVRG
beta-BHC	248610.00	259800.00	0.01	4.50	20.00	AVRG
alpha-BHC	607757.50	630210.00	0.01	3.69	20.00	AVRG
delta-BHC	551235.00	566905.00	0.01	2.84	20.00	AVRG
gamma-BHC (Lindane)	585542.50	611450.00	0.01	4.42	20.00	AVRG
4,4'-DDD	340626.25	347662.50	0.01	2.06	20.00	AVRG
4,4'-DDE	468602.50	487012.50	0.01	3.93	20.00	AVRG
4,4'-DDT	405928.75	403362.50	0.01	-0.63	20.00	AVRG
Dieldrin	461928.75	482888.75	0.01	4.54	20.00	AVRG
Endosulfan I	477982.50	494725.00	0.01	3.50	20.00	AVRG
Endosulfan II	404930.00	421066.25	0.01	3.98	20.00	AVRG
Endosulfan sulfate	366673.75	377025.00	0.01	2.82	20.00	AVRG
Endrin	408648.75	442158.75	0.01	8.20	20.00	AVRG
Endrin Aldehyde	316985.00	324458.75	0.01	2.36	20.00	AVRG
Heptachlor	579497.27	603630.00	0.01	4.16	20.00	AVRG
Heptachlor Epoxide	511912.50	529635.00	0.01	3.46	20.00	AVRG
Methoxychlor	182915.75	183348.25	0.01	0.24	20.00	AVRG
Endrin Ketone	419518.75	422306.25	0.01	0.66	20.00	AVRG
gamma-Chlordane	513150.00	533795.00	0.01	4.02	20.00	AVRG
alpha-Chlordane	446247.50	461592.50	0.01	3.44	20.00	AVRG
Decachlorobiphenyl	406697.50	403617.50	0.01	-0.76	20.00	AVRG
Tetrachloro-m-Xylene	416797.50	424380.00	0.01	1.82	20.00	AVRG

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: TRACEGC84 Calibration Date: 06/05/10 Time: 1138

Lab File ID: 240JSEQ-CCV5 Init. Calib. Date(s): 05/28/10 05/28/10

Init. Calib. Times: 1818 2014

GC Column: CLPEST ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	636570.00	738220.00	0.01	15.97	20.00	AVRG
alpha-BHC	775960.00	911510.00	0.01	17.47	20.00	AVRG
beta-BHC	300532.50	354345.00	0.01	17.90	20.00	AVRG
delta-BHC	689517.50	812570.00	0.01	17.85	20.00	AVRG
gamma-BHC (Lindane)	729192.50	850695.00	0.01	16.66	20.00	AVRG
4,4'-DDD	393457.50	448572.50	0.01	14.01	20.00	AVRG
4,4'-DDE	523741.25	578368.75	0.01	10.43	20.00	AVRG
4,4'-DDT	454781.25	507302.50	0.01	11.55	20.00	AVRG
Dieldrin	515556.25	589581.25	0.01	14.36	20.00	AVRG
Endosulfan I	548162.50	616932.50	0.01	12.54	20.00	AVRG
Endosulfan II	450326.25	511871.25	0.01	13.67	20.00	AVRG
Endosulfan sulfate	392055.00	442395.00	0.01	12.84	20.00	AVRG
Endrin	463071.25	542651.25	0.01	17.18	20.00	AVRG
Endrin Aldehyde	348470.00	401486.25	0.01	15.21	20.00	AVRG
Heptachlor	695465.00	801432.50	0.01	15.24	20.00	AVRG
Heptachlor Epoxide	593700.00	679000.00	0.01	14.37	20.00	AVRG
Methoxychlor	194359.00	214120.75	0.01	10.17	20.00	AVRG
Endrin Ketone	457257.50	507595.00	0.01	11.01	20.00	AVRG
gamma-Chlordane	594875.00	676412.50	0.01	13.71	20.00	AVRG
alpha-Chlordane	516712.50	596630.00	0.01	15.47	20.00	AVRG
Decachlorobiphenyl	408350.00	442873.75	0.01	8.45	20.00	AVRG
Tetrachloro-m-Xylene	522757.50	612320.00	0.01	17.13	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: TRACEGC84 Calibration Date: 06/05/10 Time: 1138

Lab File ID: 240JSEQ-CCV5 Init. Calib. Date(s): 05/28/10 05/28/10

Init. Calib. Times: 1818 2014

GC Column: CLPEST2 ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	542192.50	622950.00	0.01	14.89	20.00	AVRG
beta-BHC	248610.00	284750.00	0.01	14.54	20.00	AVRG
alpha-BHC	607757.50	703750.00	0.01	15.79	20.00	AVRG
delta-BHC	551235.00	626500.00	0.01	13.65	20.00	AVRG
gamma-BHC (Lindane)	585542.50	676900.00	0.01	15.60	20.00	AVRG
4,4'-DDD	340626.25	385025.00	0.01	13.03	20.00	AVRG
4,4'-DDE	468602.50	534825.00	0.01	14.13	20.00	AVRG
4,4'-DDT	405928.75	448125.00	0.01	10.39	20.00	AVRG
Dieldrin	461928.75	533925.00	0.01	15.59	20.00	AVRG
Endosulfan I	477982.50	546350.00	0.01	14.30	20.00	AVRG
Endosulfan II	404930.00	462400.00	0.01	14.19	20.00	AVRG
Endosulfan sulfate	366673.75	415175.00	0.01	13.23	20.00	AVRG
Endrin	408648.75	486975.00	0.01	19.17	20.00	AVRG
Endrin Aldehyde	316985.00	359275.00	0.01	13.34	20.00	AVRG
Heptachlor	579497.27	666300.00	0.01	14.98	20.00	AVRG
Heptachlor Epoxide	511912.50	587200.00	0.01	14.71	20.00	AVRG
Methoxychlor	182915.75	201575.00	0.01	10.20	20.00	AVRG
Endrin Ketone	419518.75	468600.00	0.01	11.70	20.00	AVRG
gamma-Chlordane	513150.00	585800.00	0.01	14.16	20.00	AVRG
alpha-Chlordane	446247.50	509700.00	0.01	14.22	20.00	AVRG
Decachlorobiphenyl	406697.50	444850.00	0.01	9.38	20.00	AVRG
Tetrachloro-m-Xylene	416797.50	468250.00	0.01	12.34	20.00	AVRG

FORM VII PEST

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 06/01/10 06/01/10

EPA Sample No.(PIBLK): _____ Date Analyzed :_____

Lab Sample ID (PIBLK): _____ Time Analyzed :_____

EPA Sample No.(PEM): PEMFA Date Analyzed :06/01/10

Lab Sample ID (PEM): 0F01010-PEM1 Time Analyzed :1647

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD				
4,4'-DDE	15.40	15.34	15.48	387
4,4'-DDT	17.34	17.27	17.41	48767
Endrin	16.57	16.51	16.65	36537
Endrin Aldehyde	18.00	17.93	18.07	497
Endrin Ketone	19.57	19.50	19.64	610

4,4'-DDT % breakdown (1): 0.787 Endrin % breakdown (1): 2.94

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 06/01/10 06/01/10

EPA Sample No.(PIBLK): _____ Date Analyzed :_____

Lab Sample ID (PIBLK): _____ Time Analyzed :_____

EPA Sample No.(PEM): PEMFA Date Analyzed :06/01/10

Lab Sample ID (PEM): 0F01010-PEM1 Time Analyzed :1647

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	16.95	16.87	17.02	71
4,4'-DDE	15.69	15.61	15.75	149
4,4'-DDT	17.62	17.55	17.69	14640
Endrin	16.67	16.60	16.74	11936
Endrin Aldehyde	17.88	17.80	17.95	206
Endrin Ketone	19.62	19.55	19.69	176

4,4'-DDT % breakdown (1): 1.48 Endrin % breakdown (1): 3.10

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 06/01/10 06/01/10

EPA Sample No.(PIBLK): PIBLKFC Date Analyzed :06/01/10

Lab Sample ID (PIBLK): SEQ-CCB1 Time Analyzed :2138

EPA Sample No.(PEM): PEMFD Date Analyzed :06/01/10

Lab Sample ID (PEM): SEQ-PEM1 Time Analyzed :2236

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD				
4,4'-DDE	15.40	15.34	15.48	413
4,4'-DDT	17.34	17.27	17.41	49421
Endrin	16.58	16.51	16.65	37007
Endrin Aldehyde	18.00	17.93	18.07	804
Endrin Ketone	19.56	19.50	19.64	1241

4,4'-DDT % breakdown (1): 0.829 Endrin % breakdown (1): 5.24

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 06/01/10 06/01/10

EPA Sample No.(PIBLK): PIBLKFD Date Analyzed :06/01/10

Lab Sample ID (PIBLK): SEQ-CCB1 Time Analyzed :2138

EPA Sample No.(PEM): PEMFD Date Analyzed :06/01/10

Lab Sample ID (PEM): SEQ-PEM1 Time Analyzed :2236

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	16.95	16.87	17.02	237
4,4'-DDE	15.69	15.61	15.75	145
4,4'-DDT	17.62	17.55	17.69	14985
Endrin	16.67	16.60	16.74	12061
Endrin Aldehyde	17.87	17.80	17.95	366
Endrin Ketone	19.62	19.55	19.69	325

4,4'-DDT % breakdown (1): 2.48 Endrin % breakdown (1): 5.42

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 06/01/10 06/01/10

EPA Sample No.(PIBLK): PIBLKFE Date Analyzed :06/02/10

Lab Sample ID (PIBLK): SEQ-CCB2 Time Analyzed :0357

EPA Sample No.(PEM): PEMFF Date Analyzed :06/02/10

Lab Sample ID (PEM): SEQ-PEM2 Time Analyzed :0455

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	16.74	16.66	16.80	400
4,4'-DDE	15.40	15.34	15.48	548
4,4'-DDT	17.34	17.27	17.41	50788
Endrin	16.58	16.51	16.65	38009
Endrin Aldehyde	18.00	17.93	18.07	1163
Endrin Ketone	19.56	19.50	19.64	1669

4,4'-DDT % breakdown (1): 1.83 Endrin % breakdown (1): 6.93

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 06/01/10 06/01/10

EPA Sample No.(PIBLK): PIBLKFF Date Analyzed :06/02/10

Lab Sample ID (PIBLK): SEQ-CCB2 Time Analyzed :0357

EPA Sample No.(PEM): PEMFF Date Analyzed :06/02/10

Lab Sample ID (PEM): SEQ-PEM2 Time Analyzed :0455

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	16.94	16.87	17.02	162
4,4'-DDE	15.68	15.61	15.75	152
4,4'-DDT	17.62	17.55	17.69	15044
Endrin	16.67	16.60	16.74	11943
Endrin Aldehyde	17.87	17.80	17.95	351
Endrin Ketone	19.62	19.55	19.69	475

4,4'-DDT % breakdown (1): 2.04 Endrin % breakdown (1): 6.47

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 06/01/10 06/01/10

EPA Sample No.(PIBLK): PIBLKFG Date Analyzed :06/02/10

Lab Sample ID (PIBLK): SEQ-CCB3 Time Analyzed :1015

EPA Sample No.(PEM): PEMFH Date Analyzed :06/02/10

Lab Sample ID (PEM): SEQ-PEM3 Time Analyzed :1113

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	16.75	16.66	16.80	1095
4,4'-DDE	15.41	15.34	15.48	640
4,4'-DDT	17.35	17.27	17.41	49829
Endrin	16.58	16.51	16.65	39767
Endrin Aldehyde	18.00	17.93	18.07	1005
Endrin Ketone	19.57	19.50	19.64	1556

4,4'-DDT % breakdown (1): 3.36 Endrin % breakdown (1): 6.05

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 06/01/10 06/01/10

EPA Sample No.(PIBLK): PIBLKFH Date Analyzed :06/02/10

Lab Sample ID (PIBLK): SEQ-CCB3 Time Analyzed :1015

EPA Sample No.(PEM): PEMFH Date Analyzed :06/02/10

Lab Sample ID (PEM): SEQ-PEM3 Time Analyzed :1113

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	16.96	16.87	17.02	384
4,4'-DDE	15.69	15.61	15.75	191
4,4'-DDT	17.62	17.55	17.69	14656
Endrin	16.67	16.60	16.74	12317
Endrin Aldehyde	17.88	17.80	17.95	282
Endrin Ketone	19.62	19.55	19.69	460

4,4'-DDT % breakdown (1): 3.78 Endrin % breakdown (1): 5.68

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 06/01/10 06/01/10

EPA Sample No.(PIBLK): PIBLKFI Date Analyzed :06/02/10

Lab Sample ID (PIBLK): SEQ-CCB4 Time Analyzed :1634

EPA Sample No.(PEM): PEMFJ Date Analyzed :06/02/10

Lab Sample ID (PEM): SEQ-PEM4 Time Analyzed :1732

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	16.76	16.66	16.80	1421
4,4'-DDE	15.40	15.34	15.48	539
4,4'-DDT	17.35	17.27	17.41	49506
Endrin	16.57	16.51	16.65	38789
Endrin Aldehyde	18.00	17.93	18.07	1214
Endrin Ketone	19.57	19.50	19.64	2217

4,4'-DDT % breakdown (1): 3.81 Endrin % breakdown (1): 8.13

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 06/01/10 06/01/10

EPA Sample No.(PIBLK): PIBLKFJ Date Analyzed :06/02/10

Lab Sample ID (PIBLK): SEQ-CCB4 Time Analyzed :1634

EPA Sample No.(PEM): PEMFJ Date Analyzed :06/02/10

Lab Sample ID (PEM): SEQ-PEM4 Time Analyzed :1732

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	16.96	16.87	17.02	456
4,4'-DDE	15.69	15.61	15.75	161
4,4'-DDT	17.62	17.55	17.69	14425
Endrin	16.67	16.60	16.74	12050
Endrin Aldehyde	17.88	17.80	17.95	368
Endrin Ketone	19.63	19.55	19.69	572

4,4'-DDT % breakdown (1): 4.10 Endrin % breakdown (1): 7.24

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): _____ Date Analyzed :_____

Lab Sample ID (PIBLK): _____ Time Analyzed :_____

EPA Sample No.(PEM): PEMHA Date Analyzed :05/28/10

Lab Sample ID (PEM): 0E27012-PEM1 Time Analyzed :1749

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	14.50	14.45	14.59	134
4,4'-DDE	16.42	16.35	16.49	13271
4,4'-DDT	15.68	15.61	15.74	10368
Endrin	17.07	17.00	17.14	184
Endrin Aldehyde	18.61	18.53	18.67	230
Endrin Ketone				

4,4'-DDT % breakdown (1): 1.000 Endrin % breakdown (1): 3.84

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): _____ Date Analyzed :_____

Lab Sample ID (PIBLK): _____ Time Analyzed :_____

EPA Sample No.(PEM): PEMHA Date Analyzed :05/28/10

Lab Sample ID (PEM): 0E27012-PEM1 Time Analyzed :1749

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	15.91	15.91	16.05	30
4,4'-DDE	14.73	14.66	14.80	94
4,4'-DDT	16.64	16.57	16.71	11744
Endrin	15.72	15.65	15.79	8924
Endrin Aldehyde	16.91	16.83	16.97	100
Endrin Ketone	18.63	18.56	18.70	174

4,4'-DDT % breakdown (1): 1.04 Endrin % breakdown (1): 2.98

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): PIBLKKQ Date Analyzed :06/04/10

Lab Sample ID (PIBLK): SEQ-CCB3 Time Analyzed :2208

EPA Sample No.(PEM): PEMKR Date Analyzed :06/04/10

Lab Sample ID (PEM): SEQ-PEM3 Time Analyzed :2306

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	15.54	15.48	15.62	191
4,4'-DDE	14.24	14.19	14.32	243
4,4'-DDT	16.14	16.08	16.22	14576
Endrin	15.39	15.33	15.47	11915
Endrin Aldehyde	16.77	16.71	16.86	334
Endrin Ketone	18.30	18.24	18.38	367

4,4'-DDT % breakdown (1): 2.89 Endrin % breakdown (1): 5.56

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): PIBLKKR Date Analyzed :06/04/10

Lab Sample ID (PIBLK): SEQ-CCB3 Time Analyzed :2208

EPA Sample No.(PEM): PEMKR Date Analyzed :06/04/10

Lab Sample ID (PEM): SEQ-PEM3 Time Analyzed :2306

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	15.75	15.67	15.81	124
4,4'-DDE	14.50	14.43	14.57	161
4,4'-DDT	16.41	16.33	16.47	12544
Endrin	15.47	15.40	15.54	10087
Endrin Aldehyde	16.66	16.59	16.73	160
Endrin Ketone	18.37	18.30	18.44	199

4,4'-DDT % breakdown (1): 2.22 Endrin % breakdown (1): 3.44

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): PIBLKKS Date Analyzed :06/05/10

Lab Sample ID (PIBLK): SEQ-CCB4 Time Analyzed :0453

EPA Sample No.(PEM): PEMKT Date Analyzed :06/05/10

Lab Sample ID (PEM): SEQ-PEM4 Time Analyzed :0551

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	15.54	15.48	15.62	175
4,4'-DDE	14.24	14.19	14.32	223
4,4'-DDT	16.14	16.08	16.22	15094
Endrin	15.38	15.33	15.47	12370
Endrin Aldehyde	16.77	16.71	16.86	209
Endrin Ketone	18.30	18.24	18.38	247

4,4'-DDT % breakdown (1): 2.57 Endrin % breakdown (1): 3.56

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): PIBLKKT Date Analyzed :06/05/10

Lab Sample ID (PIBLK): SEQ-CCB4 Time Analyzed :0453

EPA Sample No.(PEM): PEMKT Date Analyzed :06/05/10

Lab Sample ID (PEM): SEQ-PEM4 Time Analyzed :0551

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	15.74	15.67	15.81	121
4,4'-DDE	14.50	14.43	14.57	145
4,4'-DDT	16.40	16.33	16.47	13126
Endrin	15.47	15.40	15.54	10544
Endrin Aldehyde	16.65	16.59	16.73	155
Endrin Ketone	18.37	18.30	18.44	201

4,4'-DDT % breakdown (1): 1.99 Endrin % breakdown (1): 3.27

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): PIBLKKU Date Analyzed :06/05/10

Lab Sample ID (PIBLK): SEQ-CCB5 Time Analyzed :1109

EPA Sample No.(PEM): PEMKV Date Analyzed :06/05/10

Lab Sample ID (PEM): SEQ-PEM5 Time Analyzed :1207

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	15.54	15.48	15.62	167
4,4'-DDE	14.24	14.19	14.32	226
4,4'-DDT	16.14	16.08	16.22	13892
Endrin	15.38	15.33	15.47	11464
Endrin Aldehyde	16.77	16.71	16.86	223
Endrin Ketone	18.30	18.24	18.38	281

4,4'-DDT % breakdown (1): 2.75 Endrin % breakdown (1): 4.21

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): PIBLKKV Date Analyzed :06/05/10

Lab Sample ID (PIBLK): SEQ-CCB5 Time Analyzed :1109

EPA Sample No.(PEM): PEMKV Date Analyzed :06/05/10

Lab Sample ID (PEM): SEQ-PEM5 Time Analyzed :1207

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	15.74	15.67	15.81	127
4,4'-DDE	14.50	14.43	14.57	142
4,4'-DDT	16.40	16.33	16.47	11919
Endrin	15.47	15.40	15.54	9733
Endrin Aldehyde	16.65	16.59	16.73	176
Endrin Ketone	18.37	18.30	18.44	218

4,4'-DDT % breakdown (1): 2.21 Endrin % breakdown (1): 3.89

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

c. Analytical Sequence (Form VIII)

For all GC columns, all instruments, in chronological order by GC column and instrument

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

Instrument ID: TRACEGC84

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION DCB:20.70 TCX:8.08
SURROGATE RT FROM CONTINUING CALIBRATION DCB:20.40 TCX:7.83

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01	PEMHA	0E27012-PEM1	05/28/10	1749	20.70	8.08
02	INDC1HA	0E27012-CAL1	05/28/10	1818	20.70	8.09
03	INDC2HA	0E27012-CAL2	05/28/10	1847	20.70	8.08
04	INDC3HA	0E27012-CAL3	05/28/10	1916	20.70	8.09
05	INDC4HA	0E27012-CAL4	05/28/10	1945	20.70	8.08
06	INDC5HA	0E27012-CAL5	05/28/10	2014	20.70	8.08
07	TOXAPH3HA	0E27012-ARC1	05/28/10	2043	20.71	8.08
08	CHLORO3HA	0E27012-ARC2	05/28/10	2111	20.71	8.08
09	PIBLKKQ	SEQ-CCB3	06/04/10	2208	20.40	7.83
10	INDC3KR	SEQ-CCV3	06/04/10	2237	20.40	7.83
11	PEMKR	SEQ-PEM3	06/04/10	2306	20.40	7.84
12	PBLKCN	0052510-BLK1	06/04/10	2335	20.40	7.83
13	PCNLCS	0052510-BS1	06/05/10	0004	20.41	7.84
14	SB44-5-6MS	0052510-MS1	06/05/10	0033	20.40	7.84
15	SB44-5-6MSD	0052510-MSD1	06/05/10	0102	20.40	7.83
16	SS33-0-1	1005134-06	06/05/10	0131	20.40	7.84
17	SB33-4-5	1005134-07	06/05/10	0200	20.40	7.83
18	SB31-5-6	1005134-08	06/05/10	0229	20.40	7.84
19	SS31-0-1	1005134-09	06/05/10	0258	20.40	7.84
20	SS32-0-1	1005134-10	06/05/10	0327	20.40	7.84
21	SS32D-0-1	1005134-11	06/05/10	0355	20.40	7.83
22	PIBLKKS	SEQ-CCB4	06/05/10	0453	20.40	7.84
23	INDC3KT	SEQ-CCV4	06/05/10	0522	20.40	7.83
24	PEMKT	SEQ-PEM4	06/05/10	0551	20.40	7.83
25	SB32-2.5-3.5	1005134-12	06/05/10	0620	20.40	7.83
26	SB32D-2.5-3.	1005134-13	06/05/10	0649	20.40	7.83
27	SB50-1-2	1005134-14	06/05/10	0718	20.40	7.83
28	SS12-0-1	1005134-15	06/05/10	0747	20.40	7.84
29	SB12-2-3	1005134-16	06/05/10	0816	20.40	7.83
30	SS44-0-1	1005134-17	06/05/10	0845	20.40	7.83
31	SB44-5-6	1005134-18	06/05/10	0914	20.40	7.83
32	SS43-0-1	1005134-19	06/05/10	0942	20.40	7.83

QC LIMITS

DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

Instrument ID: TRACEGC84

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION DCB:20.70 TCX:8.08
SURROGATE RT FROM CONTINUING CALIBRATION DCB:20.40 TCX:7.83

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01	SB43-3-4	1005134-20	06/05/10	1011	20.40	7.83
02	PIBLKKU	SEQ-CCB5	06/05/10	1109	20.40	7.83
03	INDC3KV	SEQ-CCV5	06/05/10	1138	20.40	7.83
04	PEMKV	SEQ-PEM5	06/05/10	1207	20.40	7.83
05						
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QC LIMITS

DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

Instrument ID: TRACEGC84

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION DCB:21.25 TCX:7.89
SURROGATE RT FROM CONTINUING CALIBRATION DCB:20.97 TCX:7.67

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01	PEMHA	0E27012-PEM1	05/28/10	1749	21.25	7.89
02	INDC1HA	0E27012-CAL1	05/28/10	1818	21.25	7.89
03	INDC2HA	0E27012-CAL2	05/28/10	1847	21.25	7.89
04	INDC3HA	0E27012-CAL3	05/28/10	1916	21.25	7.89
05	INDC4HA	0E27012-CAL4	05/28/10	1945	21.25	7.89
06	INDC5HA	0E27012-CAL5	05/28/10	2014	21.25	7.89
07	TOXAPH3HA	0E27012-ARC1	05/28/10	2043	21.25	7.89
08	CHLORO3HA	0E27012-ARC2	05/28/10	2111	21.25	7.90
09	PIBLKKR	SEQ-CCB3	06/04/10	2208	20.97	7.67
10	INDC3KR	SEQ-CCV3	06/04/10	2237	20.97	7.67
11	PEMKR	SEQ-PEM3	06/04/10	2306	20.97	7.67
12	PBLKCN	0052510-BLK1	06/04/10	2335	20.97	7.67
13	PCNLCS	0052510-BS1	06/05/10	0004	20.98	7.67
14	SB44-5-6MS	0052510-MS1	06/05/10	0033	20.97	7.67
15	SB44-5-6MSD	0052510-MSD1	06/05/10	0102	20.97	7.67
16	SS33-0-1	1005134-06	06/05/10	0131	20.97	7.67
17	SB33-4-5	1005134-07	06/05/10	0200	20.97	7.67
18	SB31-5-6	1005134-08	06/05/10	0229	20.97	7.67
19	SS31-0-1	1005134-09	06/05/10	0258	20.97	7.67
20	SS32-0-1	1005134-10	06/05/10	0327	20.97	7.68
21	SS32D-0-1	1005134-11	06/05/10	0355	20.97	7.68
22	PIBLKKT	SEQ-CCB4	06/05/10	0453	20.97	7.67
23	INDC3KT	SEQ-CCV4	06/05/10	0522	20.97	7.67
24	PEMKT	SEQ-PEM4	06/05/10	0551	20.97	7.67
25	SB32-2.5-3.5	1005134-12	06/05/10	0620	20.97	7.67
26	SB32D-2.5-3.	1005134-13	06/05/10	0649	20.97	7.67
27	SB50-1-2	1005134-14	06/05/10	0718	20.97	7.67
28	SS12-0-1	1005134-15	06/05/10	0747	20.97	7.67
29	SB12-2-3	1005134-16	06/05/10	0816	20.97	7.67
30	SS44-0-1	1005134-17	06/05/10	0845	20.97	7.67
31	SB44-5-6	1005134-18	06/05/10	0914	20.97	7.67
32	SS43-0-1	1005134-19	06/05/10	0942	20.97	7.67

QC LIMITS

DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

Instrument ID: TRACEGC84

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION DCB:21.25 TCX:7.89
SURROGATE RT FROM CONTINUING CALIBRATION DCB:20.97 TCX:7.67

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01	SB43-3-4	1005134-20	06/05/10	1011	20.97	7.67
02	PIBLKKV	SEQ-CCB5	06/05/10	1109	20.97	7.67
03	INDC3KV	SEQ-CCV5	06/05/10	1138	20.97	7.67
04	PEMKV	SEQ-PEM5	06/05/10	1207	20.97	7.67
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QC LIMITS

DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 06/01/10 06/01/10

Instrument ID: TRACEGC82

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
DCB: 21.86 TCX: 8.80

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01	PEMFA	0F01010-PEM1	06/01/10	1647	21.85	8.78
02	INDC1FA	0F01010-CAL1	06/01/10	1716	21.85	8.80
03	INDC2FA	0F01010-CAL2	06/01/10	1745	21.86	8.78
04	INDC3FA	0F01010-CAL3	06/01/10	1814	21.86	8.78
05	INDC4FA	0F01010-CAL4	06/01/10	1843	21.84	8.80
06	INDC5FA	0F01010-CAL5	06/01/10	1913	21.86	8.80
07	TOXAPH3FA	0F01010-ARC1	06/01/10	1942	21.85	8.80
08	CHLORO3FA	0F01010-ARC2	06/01/10	2011	21.85	8.78
09	PIBLKFC	SEQ-CCB1	06/01/10	2138	21.86	8.80
10	INDC3FD	SEQ-CCV1	06/01/10	2207	21.86	8.78
11	PEMFD	SEQ-PEM1	06/01/10	2236	21.86	8.80
12	PBLKBO	0051919-BLK1	06/01/10	2305	21.86	8.80
13	PBOLCS	0051919-BS1	06/01/10	2334	21.86	8.80
14	PBOLCSD	0051919-BSD1	06/02/10	0004	21.86	8.80
15	PIBLKFE	SEQ-CCB2	06/02/10	0357	21.86	8.80
16	INDC3FF	SEQ-CCV2	06/02/10	0426	21.86	8.80
17	PEMFF	SEQ-PEM2	06/02/10	0455	21.86	8.80
18	PIBLKFG	SEQ-CCB3	06/02/10	1015	21.86	8.80
19	INDC3FH	SEQ-CCV3	06/02/10	1044	21.86	8.80
20	PEMFH	SEQ-PEM3	06/02/10	1113	21.86	8.80
21	SS02-0-1	1005134-01	06/02/10	1339	21.86	8.80
22	SS02D-0-1	1005134-02	06/02/10	1408	21.86	8.80
23	SB02-5-6	1005134-03	06/02/10	1437	21.86	8.80
24	SB02D-5-6	1005134-04	06/02/10	1506	21.86	8.80
25	SB05-7-8	1005134-05	06/02/10	1536	21.86	8.80
26	PIBLKFI	SEQ-CCB4	06/02/10	1634	21.87	8.80
27	INDC3FJ	SEQ-CCV4	06/02/10	1703	21.86	8.80
28	PEMFJ	SEQ-PEM4	06/02/10	1732	21.86	8.80
29						
30						
31						
32						

QC LIMITS
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 06/01/10 06/01/10

Instrument ID: TRACEGC82

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
DCB: 22.54 TCX: 8.66

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01	PEMFA	0F01010-PEM1	06/01/10	1647	22.54	8.64
02	INDC1FA	0F01010-CAL1	06/01/10	1716	22.54	8.66
03	INDC2FA	0F01010-CAL2	06/01/10	1745	22.54	8.64
04	INDC3FA	0F01010-CAL3	06/01/10	1814	22.54	8.64
05	INDC4FA	0F01010-CAL4	06/01/10	1843	22.54	8.66
06	INDC5FA	0F01010-CAL5	06/01/10	1913	22.54	8.66
07	TOXAPH3FA	0F01010-ARC1	06/01/10	1942	22.54	8.66
08	CHLORO3FA	0F01010-ARC2	06/01/10	2011	22.54	8.64
09	PIBLKFD	SEQ-CCB1	06/01/10	2138	22.54	8.66
10	INDC3FD	SEQ-CCV1	06/01/10	2207	22.54	8.64
11	PEMFD	SEQ-PEM1	06/01/10	2236	22.54	8.66
12	PBLKBO	0051919-BLK1	06/01/10	2305	22.54	8.66
13	PBOLCS	0051919-BS1	06/01/10	2334	22.54	8.66
14	PBOLCSD	0051919-BSD1	06/02/10	0004	22.54	8.66
15	PIBLKFF	SEQ-CCB2	06/02/10	0357	22.54	8.66
16	INDC3FF	SEQ-CCV2	06/02/10	0426	22.54	8.66
17	PEMFF	SEQ-PEM2	06/02/10	0455	22.54	8.66
18	PIBLKFH	SEQ-CCB3	06/02/10	1015	22.55	8.66
19	INDC3FH	SEQ-CCV3	06/02/10	1044	22.54	8.66
20	PEMFH	SEQ-PEM3	06/02/10	1113	22.54	8.66
21	SS02-0-1	1005134-01	06/02/10	1339	22.54	8.66
22	SS02D-0-1	1005134-02	06/02/10	1408	22.54	8.66
23	SB02-5-6	1005134-03	06/02/10	1437	22.54	8.66
24	SB02D-5-6	1005134-04	06/02/10	1506	22.55	8.66
25	SB05-7-8	1005134-05	06/02/10	1536	22.54	8.66
26	PIBLKFJ	SEQ-CCB4	06/02/10	1634	22.55	8.66
27	INDC3FJ	SEQ-CCV4	06/02/10	1703	22.54	8.66
28	PEMFJ	SEQ-PEM4	06/02/10	1732	22.55	8.66
29						
30						
31						
32						

QC LIMITS
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

d. Identification Summary for Single Component Analytes (Form X)

For all samples with positively identified single component analytes, in order by increasing Client Sample ID number.

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PBOLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab Sample ID: 0051919-BS1 Date(s) Analyzed: 06/01/10 06/01/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Aldrin	1	13.18	13.11	13.25	3.8	
	2	13.17	13.10	13.24	4.2	10.0
beta-BHC	1	11.48	11.41	11.55	4.1	
	2	11.57	11.50	11.64	5.2	23.6
alpha-BHC	1	10.38	10.32	10.46	4.6	
	2	10.39	10.32	10.46	4.5	2.2
delta-BHC	1	11.92	11.85	11.99	5.5	
	2	12.29	12.22	12.36	4.8	13.6
gamma-BHC (Lindane)	1	11.23	11.16	11.30	4.2	
	2	11.32	11.25	11.39	4.2	0.0
4,4'-DDD	1	16.73	16.66	16.80	12	
	2	16.94	16.87	17.02	12	0.0
4,4'-DDE	1	15.41	15.34	15.48	12	
	2	15.68	15.61	15.75	11	8.7
4,4'-DDT	1	17.34	17.27	17.41	17	
	2	17.61	17.55	17.69	15	12.5

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PBOLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab Sample ID: 0051919-BS1 Date(s) Analyzed: 06/01/10 06/01/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	16.06	15.99	16.13	12	
	2	16.00	15.94	16.08	12	0.0
Endosulfan I	1	15.52	15.45	15.59	4.3	
	2	15.39	15.33	15.47	4.5	4.5
Endosulfan II	1	17.07	17.01	17.15	11	
	2	17.14	17.07	17.21	11	0.0
Endosulfan sulfate	1	18.95	18.89	19.02	11	
	2	18.47	18.40	18.54	10	9.5
Endrin	1	16.58	16.51	16.65	11	
	2	16.67	16.60	16.74	11	0.0
Endrin Aldehyde	1	18.00	17.93	18.07	6.7	
	2	17.87	17.80	17.95	7.0	4.4
Heptachlor	1	12.45	12.38	12.52	5.2	
	2	12.40	12.34	12.47	4.9	5.9
Heptachlor Epoxide	1	14.62	14.56	14.70	5.1	
	2	14.52	14.45	14.59	5.0	2.0

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PBOLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab Sample ID: 0051919-BS1 Date(s) Analyzed: 06/01/10 06/01/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Methoxychlor	1	18.40	18.33	18.47	12	
	2	19.10	19.03	19.17	12	0.0
Endrin Ketone	1	19.57	19.50	19.64	12	
	2	19.62	19.55	19.69	12	0.0
gamma-Chlordane	1	14.91	14.84	14.98	4.5	
	2	14.95	14.88	15.02	4.9	8.5
alpha-Chlordane	1	15.21	15.15	15.29	5.0	
	2	15.28	15.21	15.35	5.4	7.7
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PBOLCSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab Sample ID: 0051919-BSD1 Date(s) Analyzed: 06/02/10 06/02/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Aldrin	1	13.18	13.11	13.25	3.6	
	2	13.17	13.10	13.24	4.1	13.0
beta-BHC	1	11.48	11.41	11.55	4.1	
	2	11.57	11.50	11.64	5.2	23.6
alpha-BHC	1	10.38	10.32	10.46	4.4	
	2	10.39	10.32	10.46	4.4	0.0
delta-BHC	1	11.92	11.85	11.99	4.9	
	2	12.29	12.22	12.36	4.6	6.3
gamma-BHC (Lindane)	1	11.23	11.16	11.30	4.1	
	2	11.32	11.25	11.39	3.9	5.0
4,4'-DDD	1	16.73	16.66	16.80	11	
	2	16.94	16.87	17.02	11	0.0
4,4'-DDE	1	15.41	15.34	15.48	11	
	2	15.68	15.61	15.75	11	0.0
4,4'-DDT	1	17.34	17.27	17.41	10	
	2	17.62	17.55	17.69	10	0.0

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PBOLCSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab Sample ID: 0051919-BSD1 Date(s) Analyzed: 06/02/10 06/02/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	16.06	15.99	16.13	12	
	2	16.00	15.94	16.08	11	8.7
Endosulfan I	1	15.52	15.45	15.59	4.1	
	2	15.39	15.33	15.47	4.5	9.3
Endosulfan II	1	17.07	17.01	17.15	11	
	2	17.14	17.07	17.21	11	0.0
Endosulfan sulfate	1	18.95	18.89	19.02	10	
	2	18.47	18.40	18.54	10	0.0
Endrin	1	16.58	16.51	16.65	11	
	2	16.67	16.60	16.74	11	0.0
Endrin Aldehyde	1	18.00	17.93	18.07	6.0	
	2	17.87	17.80	17.95	6.5	8.0
Heptachlor	1	12.45	12.38	12.52	5.1	
	2	12.40	12.34	12.47	4.7	8.2
Heptachlor Epoxide	1	14.63	14.56	14.70	4.9	
	2	14.52	14.45	14.59	4.6	6.3

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PBOLCSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab Sample ID: 0051919-BSD1 Date(s) Analyzed: 06/02/10 06/02/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Methoxychlor	1	18.39	18.33	18.47	12	
	2	19.09	19.03	19.17	12	0.0
Endrin Ketone	1	19.57	19.50	19.64	11	
	2	19.62	19.55	19.69	11	0.0
gamma-Chlordane	1	14.91	14.84	14.98	4.4	
	2	14.95	14.88	15.02	4.3	2.3
alpha-Chlordane	1	15.21	15.15	15.29	4.8	
	2	15.28	15.21	15.35	5.5	13.6
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PCNLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab Sample ID: 0052510-BS1 Date(s) Analyzed: 06/05/10 06/05/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Aldrin	1	12.07	12.01	12.15	3.8	
	2	12.04	11.97	12.11	3.8	0.0
beta-BHC	1	10.40	10.34	10.48	3.9	
	2	10.47	10.40	10.54	4.3	9.8
alpha-BHC	1	9.35	9.29	9.43	4.3	
	2	9.32	9.26	9.40	4.4	2.3
delta-BHC	1	10.84	10.77	10.91	4.4	
	2	11.18	11.11	11.24	4.6	4.4
gamma-BHC (Lindane)	1	10.17	10.11	10.25	4.0	
	2	10.23	10.16	10.30	4.0	0.0
4,4'-DDD	1	15.54	15.48	15.62	10	
	2	15.74	15.67	15.81	11	9.5
4,4'-DDE	1	14.25	14.19	14.32	10	
	2	14.50	14.43	14.57	11	9.5
4,4'-DDT	1	16.14	16.08	16.22	9.4	
	2	16.41	16.33	16.47	9.5	1.0

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PCNLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab Sample ID: 0052510-BS1 Date(s) Analyzed: 06/05/10 06/05/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	14.88	14.82	14.96	11	
	2	14.82	14.75	14.89	11	0.0
Endosulfan I	1	14.36	14.29	14.44	4.0	
	2	14.22	14.15	14.29	4.0	0.0
Endosulfan II	1	15.87	15.81	15.95	10	
	2	15.93	15.86	16.00	11	9.5
Endosulfan sulfate	1	17.71	17.64	17.79	9.8	
	2	17.24	17.17	17.31	9.9	1.0
Endrin	1	15.39	15.33	15.47	10	
	2	15.47	15.40	15.54	11	9.5
Endrin Aldehyde	1	16.78	16.71	16.86	4.8	
	2	16.66	16.59	16.73	5.1	6.1
Heptachlor	1	11.35	11.29	11.44	4.7	
	2	11.29	11.22	11.36	4.8	2.1
Heptachlor Epoxide	1	13.48	13.42	13.56	4.6	
	2	13.36	13.29	13.43	4.6	0.0

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PCNLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab Sample ID: 0052510-BS1 Date(s) Analyzed: 06/05/10 06/05/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Methoxychlor	1	17.17	17.11	17.25	11	
	2	17.86	17.79	17.93	11	0.0
Endrin Ketone	1	18.30	18.24	18.38	11	
	2	18.37	18.30	18.44	11	0.0
gamma-Chlordane	1	13.76	13.70	13.84	4.1	
	2	13.78	13.71	13.85	4.3	4.8
alpha-Chlordane	1	14.06	14.00	14.14	4.5	
	2	14.11	14.04	14.18	4.7	4.3
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB02-5-6

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab Sample ID: 1005134-03 Date(s) Analyzed: 06/02/10 06/02/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Heptachlor	1	12.47	12.38	12.52	0.53	
	2	12.39	12.34	12.47	0.30	55.4
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB02D-5-6

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab Sample ID: 1005134-04 Date(s) Analyzed: 06/02/10 06/02/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Heptachlor	1	12.47	12.38	12.52	0.35	
	2	12.39	12.34	12.47	0.38	8.2
gamma-Chlordane	1	14.89	14.84	14.98	0.24	
	2	14.99	14.88	15.02	0.66	93.3
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB12-2-3

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab Sample ID: 1005134-16 Date(s) Analyzed: 06/05/10 06/05/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
4,4'-DDT	1	16.14	16.08	16.22	1.7	
	2	16.40	16.33	16.47	0.90	61.5
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB32-2.5-3.5

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab Sample ID: 1005134-12 Date(s) Analyzed: 06/05/10 06/05/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
4,4'-DDT	1	16.14	16.08	16.22	0.76	
	2	16.40	16.33	16.47	0.67	12.6
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB33-4-5

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab Sample ID: 1005134-07 Date(s) Analyzed: 06/05/10 06/05/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
4,4'-DDE	1	14.24	14.19	14.32	0.60	
	2	14.50	14.43	14.57	0.56	6.9
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB43-3-4

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab Sample ID: 1005134-20 Date(s) Analyzed: 06/05/10 06/05/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
4,4'-DDT	1	16.13	16.08	16.22	0.64	
	2	16.40	16.33	16.47	0.58	9.8
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.
SB44-5-6

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab Sample ID: 1005134-18 Date(s) Analyzed: 06/05/10 06/05/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
4,4'-DDT	1	16.13	16.08	16.22	0.99	
	2	16.40	16.33	16.47	1.0	1.0
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB44-5-6MS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab Sample ID: 0052510-MS1 Date(s) Analyzed: 06/05/10 06/05/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Aldrin	1	12.07	12.01	12.15	4.5	
	2	12.04	11.97	12.11	4.6	2.2
beta-BHC	1	10.40	10.34	10.48	4.4	
	2	10.47	10.40	10.54	5.2	16.7
alpha-BHC	1	9.35	9.29	9.43	4.9	
	2	9.32	9.26	9.40	5.0	2.0
delta-BHC	1	10.83	10.77	10.91	5.4	
	2	11.18	11.11	11.24	5.7	5.4
gamma-BHC (Lindane)	1	10.16	10.11	10.25	4.7	
	2	10.23	10.16	10.30	4.6	2.2
4,4'-DDD	1	15.54	15.48	15.62	13	
	2	15.74	15.67	15.81	14	7.4
4,4'-DDE	1	14.24	14.19	14.32	13	
	2	14.50	14.43	14.57	13	0.0
4,4'-DDT	1	16.14	16.08	16.22	12	
	2	16.41	16.33	16.47	12	0.0

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB44-5-6MS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab Sample ID: 0052510-MS1 Date(s) Analyzed: 06/05/10 06/05/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	14.88	14.82	14.96	13	
	2	14.82	14.75	14.89	14	7.4
Endosulfan I	1	14.35	14.29	14.44	4.9	
	2	14.22	14.15	14.29	5.1	4.0
Endosulfan II	1	15.87	15.81	15.95	14	
	2	15.93	15.86	16.00	13	7.4
Endosulfan sulfate	1	17.71	17.64	17.79	14	
	2	17.24	17.17	17.31	12	15.4
Endrin	1	15.39	15.33	15.47	13	
	2	15.47	15.40	15.54	14	7.4
Endrin Aldehyde	1	16.77	16.71	16.86	5.9	
	2	16.66	16.59	16.73	6.5	9.7
Heptachlor	1	11.35	11.29	11.44	5.4	
	2	11.29	11.22	11.36	5.6	3.6
Heptachlor Epoxide	1	13.48	13.42	13.56	5.6	
	2	13.36	13.29	13.43	5.7	1.8

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB44-5-6MS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab Sample ID: 0052510-MS1 Date(s) Analyzed: 06/05/10 06/05/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Methoxychlor	1	17.17	17.11	17.25	14	
	2	17.86	17.79	17.93	13	7.4
Endrin Ketone	1	18.30	18.24	18.38	13	
	2	18.37	18.30	18.44	14	7.4
gamma-Chlordane	1	13.76	13.70	13.84	5.0	
	2	13.78	13.71	13.85	5.2	3.9
alpha-Chlordane	1	14.05	14.00	14.14	5.1	
	2	14.10	14.04	14.18	5.8	12.8
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB44-5-6MSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab Sample ID: 0052510-MSD1 Date(s) Analyzed: 06/05/10 06/05/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Aldrin	1	12.07	12.01	12.15	4.0	
	2	12.04	11.97	12.11	4.1	2.5
beta-BHC	1	10.40	10.34	10.48	4.7	
	2	10.47	10.40	10.54	5.0	6.2
alpha-BHC	1	9.35	9.29	9.43	4.7	
	2	9.32	9.26	9.40	4.8	2.1
delta-BHC	1	10.83	10.77	10.91	5.3	
	2	11.17	11.11	11.24	5.3	0.0
gamma-BHC (Lindane)	1	10.16	10.11	10.25	4.4	
	2	10.23	10.16	10.30	4.6	4.4
4,4'-DDD	1	15.54	15.48	15.62	13	
	2	15.74	15.67	15.81	13	0.0
4,4'-DDE	1	14.24	14.19	14.32	12	
	2	14.50	14.43	14.57	13	8.0
4,4'-DDT	1	16.14	16.08	16.22	12	
	2	16.40	16.33	16.47	13	8.0

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB44-5-6MSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab Sample ID: 0052510-MSD1 Date(s) Analyzed: 06/05/10 06/05/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	14.88	14.82	14.96	13	
	2	14.82	14.75	14.89	13	0.0
Endosulfan I	1	14.35	14.29	14.44	4.5	
	2	14.21	14.15	14.29	4.8	6.4
Endosulfan II	1	15.87	15.81	15.95	12	
	2	15.93	15.86	16.00	13	8.0
Endosulfan sulfate	1	17.71	17.64	17.79	14	
	2	17.24	17.17	17.31	12	15.4
Endrin	1	15.39	15.33	15.47	12	
	2	15.47	15.40	15.54	13	8.0
Endrin Aldehyde	1	16.77	16.71	16.86	5.4	
	2	16.66	16.59	16.73	6.1	12.2
Heptachlor	1	11.35	11.29	11.44	5.2	
	2	11.29	11.22	11.36	5.1	1.9
Heptachlor Epoxide	1	13.47	13.42	13.56	5.3	
	2	13.36	13.29	13.43	5.4	1.9

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB44-5-6MSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab Sample ID: 0052510-MSD1 Date(s) Analyzed: 06/05/10 06/05/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Methoxychlor	1	17.17	17.11	17.25	14	
	2	17.86	17.79	17.93	13	7.4
Endrin Ketone	1	18.30	18.24	18.38	13	
	2	18.37	18.30	18.44	14	7.4
gamma-Chlordane	1	13.76	13.70	13.84	4.7	
	2	13.78	13.71	13.85	5.3	12.0
alpha-Chlordane	1	14.05	14.00	14.14	5.7	
	2	14.10	14.04	14.18	5.5	3.6
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB50-1-2

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab Sample ID: 1005134-14 Date(s) Analyzed: 06/05/10 06/05/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
4,4'-DDT	1	16.14	16.08	16.22	1.2	
	2	16.40	16.33	16.47	1.1	8.7
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS02-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab Sample ID: 1005134-01 Date(s) Analyzed: 06/02/10 06/02/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Heptachlor	1	12.42	12.38	12.52	0.44	
	2	12.39	12.34	12.47	0.29	41.1
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.
SS02D-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab Sample ID: 1005134-02 Date(s) Analyzed: 06/02/10 06/02/10

Instrument ID (1): TRACEGC82 Instrument ID (2): TRACEGC82

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
delta-BHC	1	11.94	11.85	11.99	0.47	
	2	12.33	12.22	12.36	0.56	17.5
Heptachlor	1	12.41	12.38	12.52	1.1	
	2	12.39	12.34	12.47	0.34	105.6
gamma-Chlordane	1	14.88	14.84	14.98	0.22	
	2	15.01	14.88	15.02	0.68	102.2
alpha-Chlordane	1	15.18	15.15	15.29	0.21	
	2	15.25	15.21	15.35	4.6	182.5
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS12-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab Sample ID: 1005134-15 Date(s) Analyzed: 06/05/10 06/05/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
beta-BHC	1	10.40	10.34	10.48	0.59	
	2	10.46	10.40	10.54	0.53	10.7
4,4'-DDT	1	16.13	16.08	16.22	6.5	
	2	16.34	16.33	16.47	5.9	9.7
Endrin Aldehyde	1	16.84	16.71	16.86	0.88	
	2	16.64	16.59	16.73	0.81	8.3
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS31-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab Sample ID: 1005134-09 Date(s) Analyzed: 06/05/10 06/05/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
gamma-BHC (Lindane)	1	10.11	10.11	10.25	1.2	
	2	10.20	10.16	10.30	0.62	63.7
4,4'-DDD	1	15.55	15.48	15.62	0.93	
	2	15.70	15.67	15.81	0.59	44.7
Endosulfan sulfate	1	17.75	17.64	17.79	0.55	
	2	17.27	17.17	17.31	2.1	117.0
Heptachlor Epoxide	1	13.47	13.42	13.56	0.34	
	2	13.29	13.29	13.43	0.49	36.1
Endrin Ketone	1	18.36	18.24	18.38	1.5	
	2	18.39	18.30	18.44	2.8	60.5
gamma-Chlordane	1	13.72	13.70	13.84	0.22	
	2	13.75	13.71	13.85	0.26	16.7
alpha-Chlordane	1	14.11	14.00	14.14	0.25	
	2	14.08	14.04	14.18	0.24	4.1
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.
SS32-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab Sample ID: 1005134-10 Date(s) Analyzed: 06/05/10 06/05/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
4,4'-DDD	1	15.57	15.48	15.62	0.48	
	2	15.70	15.67	15.81	0.39	20.7
Endosulfan sulfate	1	17.74	17.64	17.79	2.2	
	2	17.23	17.17	17.31	0.60	114.3
Endrin Ketone	1	18.37	18.24	18.38	1.2	
	2	18.40	18.30	18.44	0.91	27.5
alpha-Chlordane	1	14.05	14.00	14.14	0.34	
	2	14.07	14.04	14.18	0.34	0.0
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.
SS32D-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab Sample ID: 1005134-11 Date(s) Analyzed: 06/05/10 06/05/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Endrin	1	15.38	15.33	15.47	1.4	
	2	15.42	15.40	15.54	2.7	63.4
Methoxychlor	1	17.14	17.11	17.25	5.9	
	2	17.82	17.79	17.93	2.8	71.3
Endrin Ketone	1	18.37	18.24	18.38	2.8	
	2	18.40	18.30	18.44	2.8	0.0
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS33-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab Sample ID: 1005134-06 Date(s) Analyzed: 06/05/10 06/05/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
beta-BHC	1	10.39	10.34	10.48	1.2	
	2	10.50	10.40	10.54	0.87	31.9
4,4'-DDE	1	14.24	14.19	14.32	0.69	
	2	14.50	14.43	14.57	0.52	28.1
4,4'-DDT	1	16.14	16.08	16.22	0.81	
	2	16.40	16.33	16.47	0.64	23.4
Endosulfan I	1	14.33	14.29	14.44	0.63	
	2	14.21	14.15	14.29	0.81	25.0
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS44-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab Sample ID: 1005134-17 Date(s) Analyzed: 06/05/10 06/05/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
beta-BHC	1	10.48	10.34	10.48	3.5	
	2	10.50	10.40	10.54	2.3	41.4
4,4'-DDT	1	16.13	16.08	16.22	6.4	
	2	16.34	16.33	16.47	6.2	3.2
Endosulfan I	1	14.34	14.29	14.44	0.59	
	2	14.18	14.15	14.29	1.7	96.9
Endrin Aldehyde	1	16.84	16.71	16.86	0.58	
	2	16.67	16.59	16.73	0.61	5.0
Endrin Ketone	1	18.37	18.24	18.38	5.9	
	2	18.34	18.30	18.44	0.50	168.8
alpha-Chlordane	1	14.06	14.00	14.14	0.86	
	2	14.07	14.04	14.18	1.3	40.7
	1					
	2					
	1					
	2					

FORM X PEST-1

e. Identification Summary for Multicomponent Analytes (Form X) – if applicable

For all samples with positively identified multicomponent analytes, in order by increasing Client Sample ID number.

f. Chromatograms and Data System Printouts

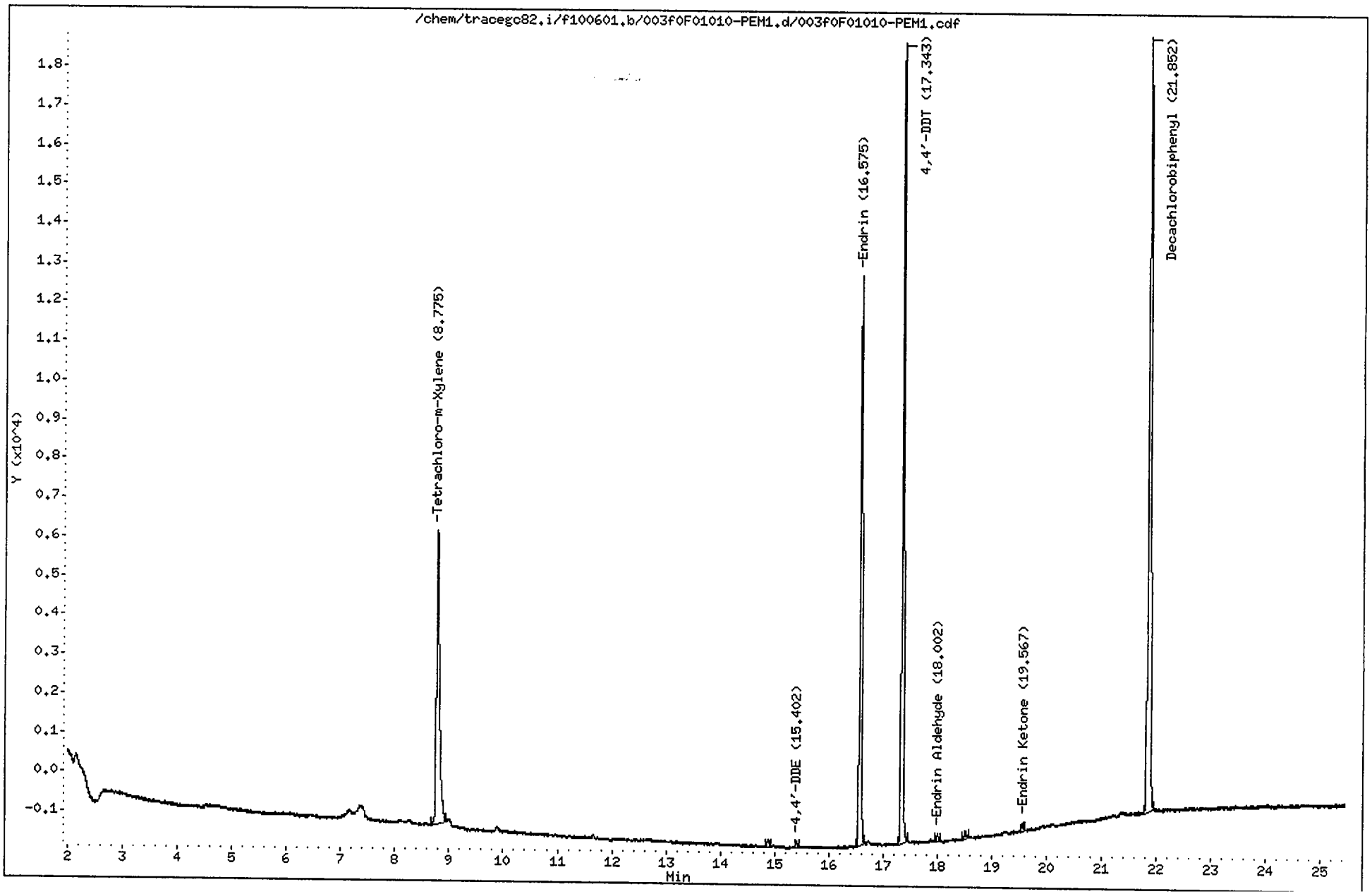
For all methods, standards packages shall include
The following:

- Performance evaluation mixtures (8081 only)
- Initial Calibration Standards
- Second Source Initial Calibration Verifications (if required by client)
- Continuing Calibration Verification Standards
- The quantitation report must include the Client Sample ID number.
- The chromatograms shall include the following: Client Sample ID number for the standard, labeled standard peaks, volume injected, for each standard, date and time of injection, GC column identifier, and GC Instrument identifier

Data File: /chem/tracegc82.i/f100601.b/003f0F01010-PEM1.d
Date : 01-JUN-2010 16:47
Client ID: PEMFA
Sample Info: 0F01010-PEM1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: System
Column diameter: 0.32



CompuChem

Lab Smp Id : 0F01010-PEM1 Client Smp Id : PEMFA
Sample Type : SAMPLE Sublist : PEM
Inj Date : 01-JUN-2010 16:47 Inst ID : TRACEGC82
Operator : System
Method : /chem/tracegc82.i/f100601.b/8081A_clpestv6.m
Misc. Info : PEMFA

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.27			313								
1.35			34780								
1.96			494								
8.78	8.73	8.87	29812	1587700	Tetrachloro-m-Xylene	0.018777	0.018777		94.8	43 - 135	
14.88			502								
15.40	15.34	15.48	387	2012896	4,4'-DDE	0.000192	0.000192	0.020000			J
16.58	16.51	16.65	36538	1695798	Endrin	0.021546	0.021546	0.020000			
17.34	17.27	17.41	48767	1722489	4,4'-DDT	0.028312	0.028312	0.020000			
18.00	17.93	18.07	498	1371845	Endrin Aldehyde	0.000363	0.000363	0.020000			J
18.52			724								
19.57	19.49	19.63	611	1849761	Endrin Ketone	0.000330	0.000330	0.020000			J
21.85	21.79	21.93	63536	1622138	Decachlorobiphenyl	0.039168	0.039168		98.9	43 - 144	

Data File: /chem/tracegc82.i/f100601.b/004f0F01010-CAL1.d

Date : 01-JUN-2010 17:16

Client ID: INDC1FA

Sample Info: 0F01010-CAL1

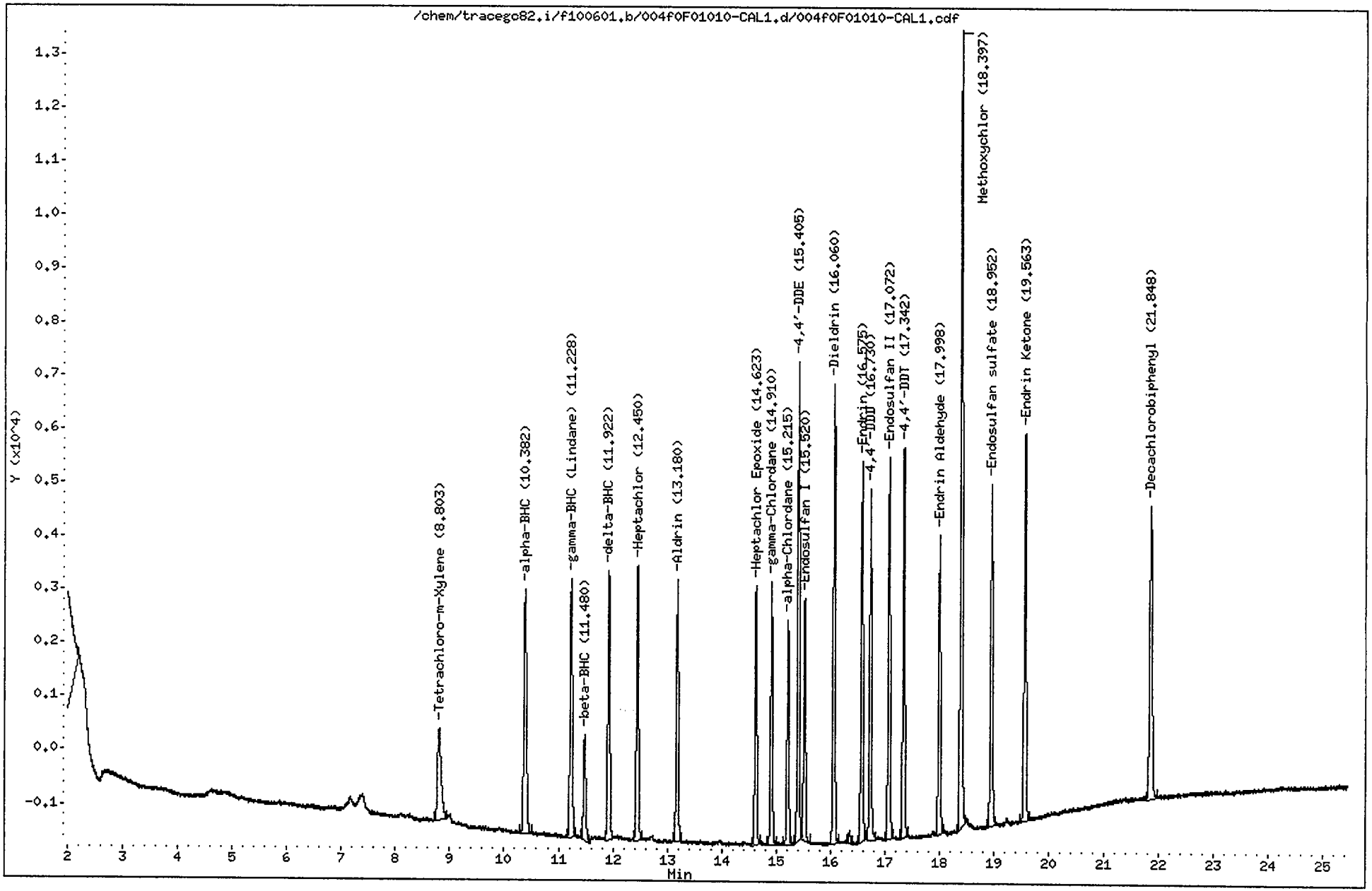
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc82.i

Operator: BWL

Column diameter: 0.32



CompuChem

Lab Smp Id : 0F01010-CAL1 Client Smp Id : INDC1FA
Sample Type : INITIAL CAL: Level 1 Sublist : INDA
Inj Date : 01-JUN-2010 17:16 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601.b/8081A_clpestv6.m
Misc. Info : INDC1FA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.49			300736					
8.80	8.72	8.86	8284	1587700	Tetrachloro-m-Xylene	0.005000	1656600	
10.38	10.31	10.45	15151	3028788	alpha-BHC	0.005000	3030200	
11.23	11.16	11.30	14081	2817265	gamma-BHC (Lindane)	0.005000	2816200	
11.48	11.41	11.55	5716	1035150	beta-BHC	0.005000	1143000	
11.92	11.85	11.99	13477	2721052	delta-BHC	0.005000	2695200	
12.45	12.38	12.52	13597	2589888	Heptachlor	0.005000	2719400	
13.18	13.11	13.25	12408	2391920	Aldrin	0.005000	2481400	
14.62	14.56	14.70	11819	2235460	Heptachlor Epoxide	0.005000	2363600	
14.91	14.84	14.98	11957	2245768	gamma-Chlordane	0.005000	2391400	
15.22	15.14	15.28	10168	1924148	alpha-Chlordane	0.005000	2033400	
15.40	15.34	15.48	20528	2012896	4,4'-DDE	0.010000	2052700	
15.52	15.45	15.59	10850	2067970	Endosulfan I	0.005000	2170000	
16.06	15.99	16.13	20908	2037205	Dieldrin	0.010000	2090800	
16.35			588					
16.58	16.51	16.65	17519	1695798	Endrin	0.010000	1751800	
16.73	16.66	16.80	15537	1534440	4,4'-DDD	0.010000	1553600	
17.07	17.01	17.15	17905	1759840	Endosulfan II	0.010000	1790500	
17.34	17.27	17.41	17446	1722489	4,4'-DDT	0.010000	1744600	
18.00	17.93	18.07	13908	1371845	Endrin Aldehyde	0.010000	1390800	
18.40	18.33	18.47	37104	731447	Methoxychlor	0.050000	742080	
18.95	18.88	19.02	16178	1574194	Endosulfan sulfate	0.010000	1617800	
19.56	19.50	19.64	18824	1849761	Endrin Ketone	0.010000	1882300	
21.85	21.78	21.92	17533	1622138	Decachlorobiphenyl	0.010000	1753300	

Data File: /chem/tracegc82.i/f100601.b/005f0F01010-CAL2.d

Date : 01-JUN-2010 17:45

Client ID: INDC2FA

Sample Info: 0F01010-CAL2

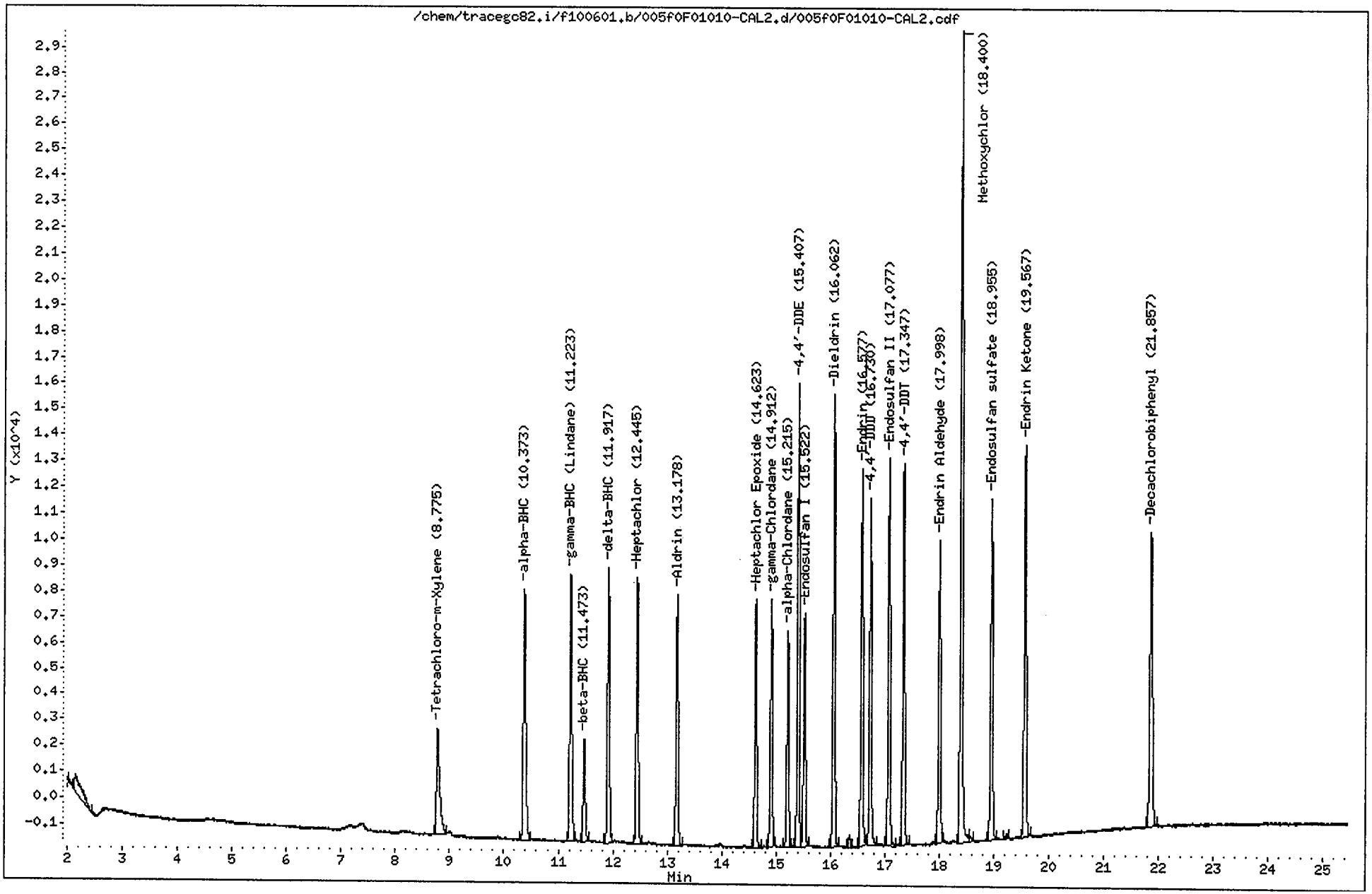
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc82.i

Operator: BWL

Column diameter: 0.32



CompuChem

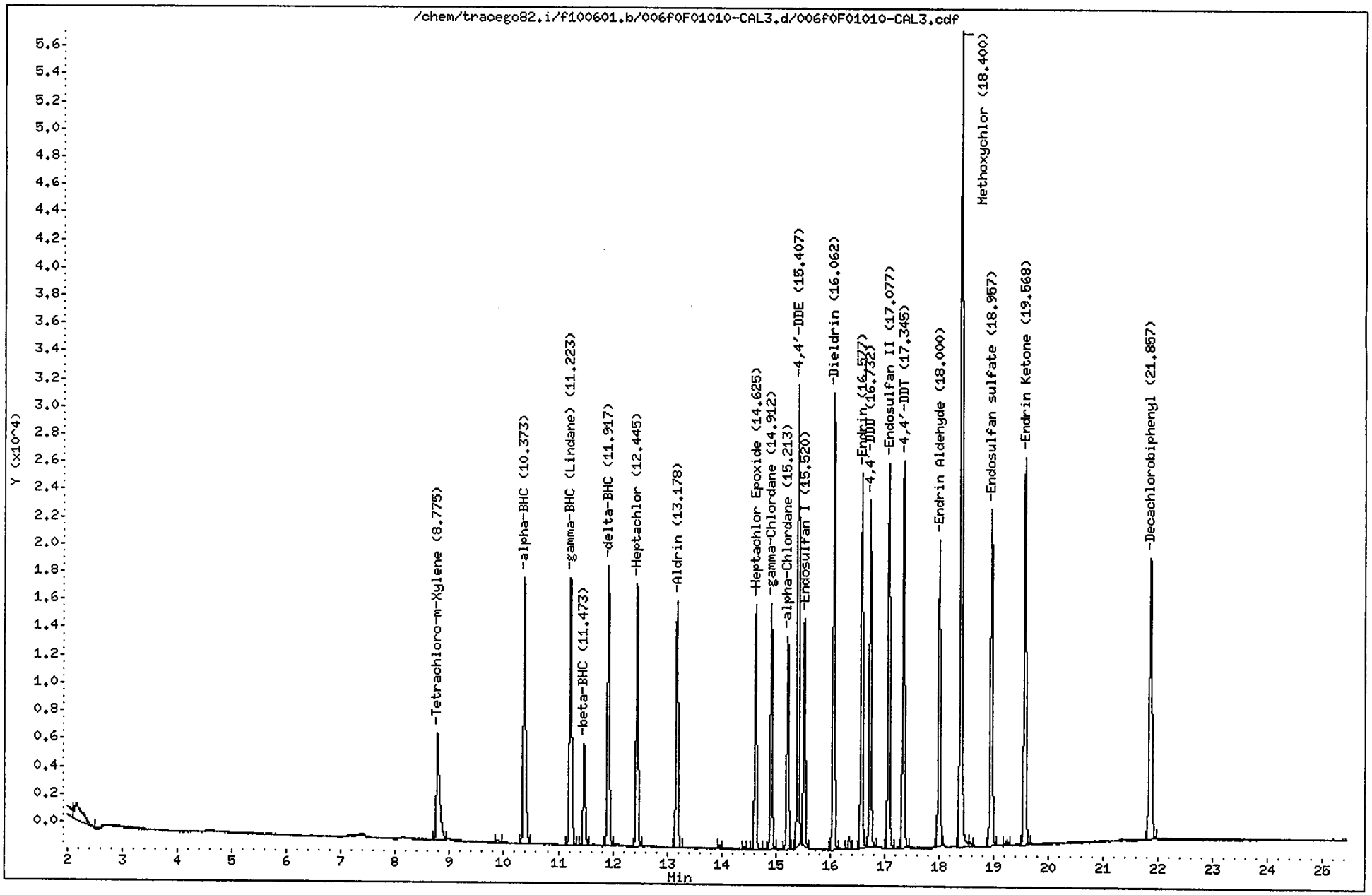
Lab Smp Id : 0F01010-CAL2 Client Smp Id : INDC2FA
Sample Type : INITIAL CAL: Level 2 Sublist : INDA
Inj Date : 01-JUN-2010 17:45 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601.b/8081A_clpestv6.m
Misc. Info : INDC2FA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.35			32860					
1.98			1174					
2.15			5927					
8.78	8.72	8.86	15985	1587700	Tetrachloro-m-Xylene	0.010000	1598500	
10.37	10.31	10.45	30334	3028788	alpha-BHC	0.010000	3033400	
11.22	11.16	11.30	28195	2817265	gamma-BHC (Lindane)	0.010000	2819400	
11.47	11.41	11.55	10467	1035150	beta-BHC	0.010000	1046700	
11.92	11.85	11.99	27325	2721052	delta-BHC	0.010000	2732500	
12.44	12.38	12.52	26480	2589888	Heptachlor	0.010000	2647900	
13.18	13.11	13.25	24524	2391920	Aldrin	0.010000	2452300	
14.62	14.56	14.70	23275	2235460	Heptachlor Epoxide	0.010000	2327400	
14.91	14.84	14.98	23459	2245768	gamma-Chlordane	0.010000	2345800	
15.22	15.14	15.28	19958	1924148	alpha-Chlordane	0.010000	1995700	
15.41	15.34	15.48	41461	2012896	4,4'-DDE	0.020000	2073000	
15.52	15.45	15.59	22131	2067970	Endosulfan I	0.010000	2213100	
16.06	15.99	16.13	42205	2037205	Dieldrin	0.020000	2110200	
16.36			1108					
16.58	16.51	16.65	35501	1695798	Endrin	0.020000	1775000	
16.73	16.66	16.80	31906	1534440	4,4'-DDD	0.020000	1595300	
17.08	17.01	17.15	37219	1759840	Endosulfan II	0.020000	1860900	
17.35	17.27	17.41	35656	1722489	4,4'-DDT	0.020000	1782800	
18.00	17.93	18.07	29289	1371845	Endrin Aldehyde	0.020000	1464450	
18.40	18.33	18.47	79225	731447	Methoxychlor	0.100000	792240	
18.57			504					
18.96	18.88	19.02	33883	1574194	Endosulfan sulfate	0.020000	1694100	
19.24			509					
19.57	19.50	19.64	39978	1849761	Endrin Ketone	0.020000	1998900	
21.86	21.78	21.92	36793	1622138	Decachlorobiphenyl	0.020000	1839650	

Data File: /chem/tracegc82.i/f100601.b/006f0F01010-CAL3.d
Date : 01-JUN-2010 18:14
Client ID: INDC3FA
Sample Info: 0F01010-CAL3
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

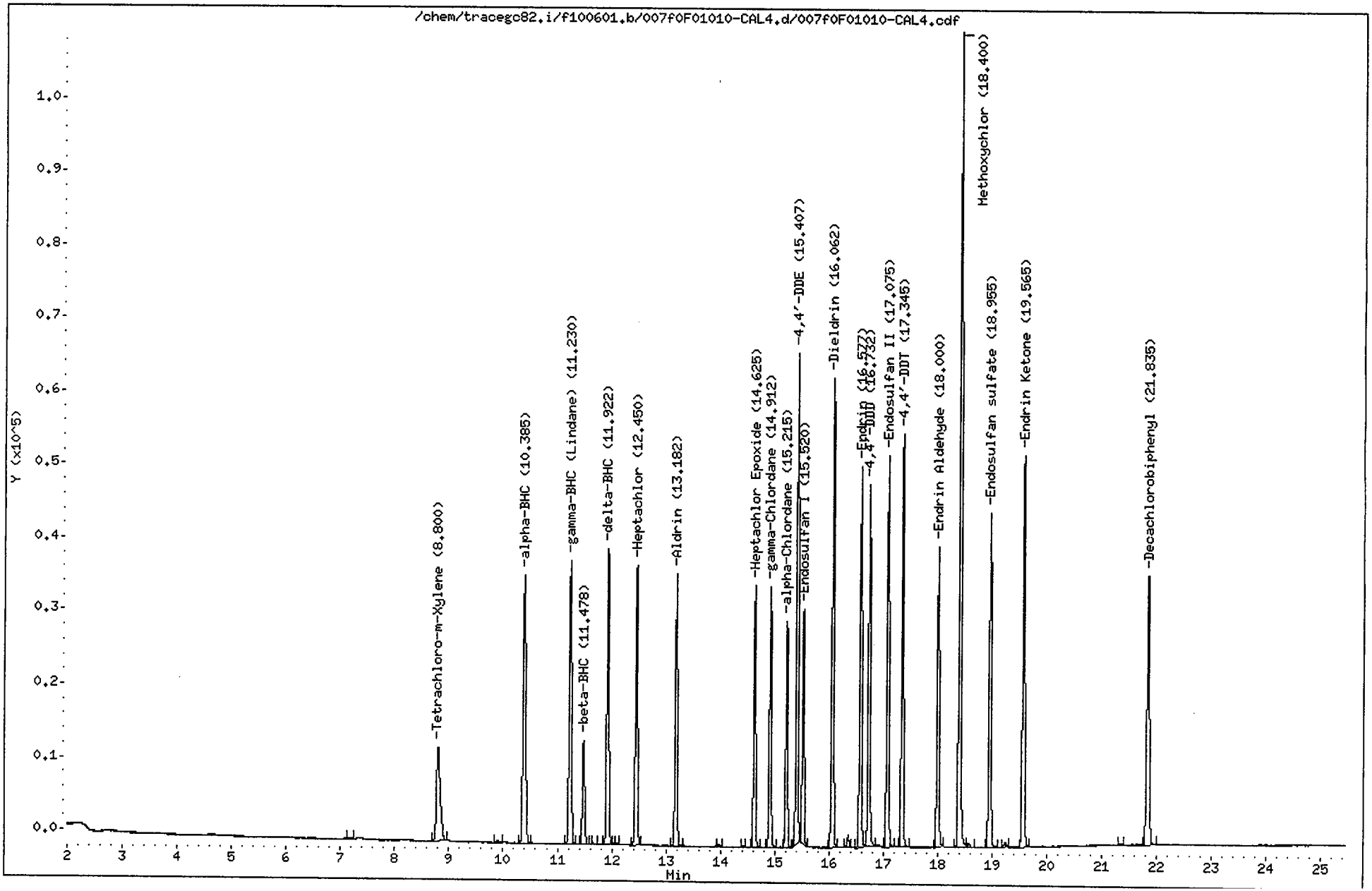
Lab Smp Id : 0F01010-CAL3 Client Smp Id : INDC3FA
Sample Type : INITIAL CAL: Level 3 Sublist : INDA
Inj Date : 01-JUN-2010 18:14 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601.b/8081A_clpestv6.m
Misc. Info : INDC3FA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
0.28			294					
1.35			17081					
1.89			391					
1.99			6462					
2.16			12662					
8.78	8.72	8.86	30501	1587700	Tetrachloro-m-Xylene	0.020000	1525050	
9.89			547					
10.37	10.31	10.45	57738	3028788	alpha-BHC	0.020000	2886900	
11.22	11.16	11.30	53833	2817265	gamma-BHC (Lindane)	0.020000	2691650	
11.47	11.41	11.55	19694	1035150	beta-BHC	0.020000	984700	
11.92	11.85	11.99	52238	2721052	delta-BHC	0.020000	2611850	
12.44	12.38	12.52	49076	2589888	Heptachlor	0.020000	2453800	
13.18	13.11	13.25	45826	2391920	Aldrin	0.020000	2291300	
13.97			512					
14.42			337					
14.62	14.56	14.70	43148	2235460	Heptachlor Epoxide	0.020000	2157400	
14.91	14.84	14.98	42920	2245768	gamma-Chlordane	0.020000	2145950	
15.21	15.14	15.28	37186	1924148	alpha-Chlordane	0.020000	1859250	
15.41	15.34	15.48	76210	2012896	4,4'-DDE	0.040000	1905225	
15.52	15.45	15.59	39329	2067970	Endosulfan I	0.020000	1966450	
16.06	15.99	16.13	79097	2037205	Dieldrin	0.040000	1977400	
16.36			2136					
16.58	16.51	16.65	66882	1695798	Endrin	0.040000	1672025	
16.73	16.66	16.80	59639	1534440	4,4'-DDD	0.040000	1490950	
17.08	17.01	17.15	69840	1759840	Endosulfan II	0.040000	1746000	
17.34	17.27	17.41	66759	1722489	4,4'-DDT	0.040000	1668975	
18.00	17.93	18.07	55625	1371845	Endrin Aldehyde	0.040000	1390600	
18.40	18.33	18.47	145796	731447	Methoxychlor	0.200000	728975	
18.57			778					
18.96	18.88	19.02	62596	1574194	Endosulfan sulfate	0.040000	1564875	
19.24			1074					
19.57	19.50	19.64	74025	1849761	Endrin Ketone	0.040000	1850625	
21.86	21.78	21.92	65764	1622138	Decachlorobiphenyl	0.040000	1644075	

Data File: /chem/tracegc82.i/f100601.b/007f0F01010-CAL4.d
Date : 01-JUN-2010 18:43
Client ID: INDC4FA
Sample Info: 0F01010-CAL4
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

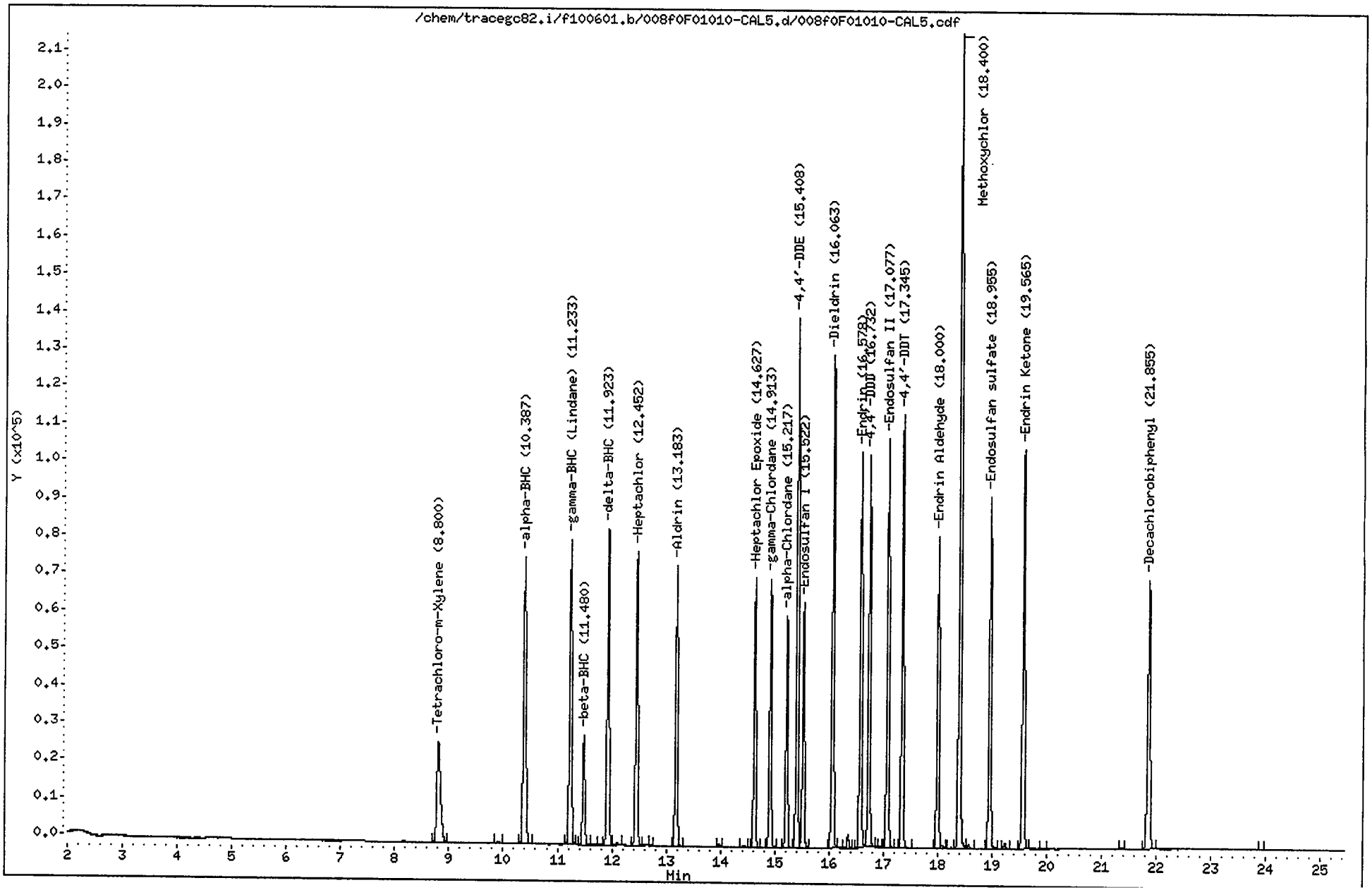
Lab Smp Id : 0F01010-CAL4 Client Smp Id : INDC4FA
Sample Type : INITIAL CAL: Level 4 Sublist : INDA
Inj Date : 01-JUN-2010 18:43 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601.b/8081A_clpestv6.m
Misc. Info : INDC4FA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.25			365					
1.36			3060					
1.44			36991					
7.16			418					
8.80	8.72	8.86	62765	1587700	Tetrachloro-m-Xylene	0.040000	1569125	
9.90			1063					
10.38	10.31	10.45	121064	3028788	alpha-BHC	0.040000	3026575	
11.33	11.16	11.30	112713	2017265	gamma-BHC (Lindane)	0.040000	2817825	
11.48	11.41	11.55	39699	1035150	beta-BHC	0.040000	992475	
11.66			408					
11.92	11.85	11.99	108378	2721052	delta-BHC	0.040000	2709425	
12.09			369					
12.45	12.38	12.52	101312	2589888	Heptachlor	0.040000	2532775	
13.18	13.11	13.25	93602	2391920	Aldrin	0.040000	2340025	
13.97			984					
14.42			611					
14.62	14.56	14.70	85897	2235460	Heptachlor Epoxide	0.040000	2147425	
14.91	14.84	14.98	86146	2245768	gamma-Chlordane	0.040000	2153625	
15.22	15.14	15.28	74160	1924148	alpha-Chlordane	0.040000	1854000	
15.41	15.34	15.48	155562	2012896	4,4'-DDE	0.080000	1944513	
15.52	15.45	15.59	78024	2067970	Endosulfan I	0.040000	1950600	
16.06	15.99	16.13	157474	2037205	Dieldrin	0.080000	1968413	
16.35			4049					
16.58	16.51	16.65	129294	1695798	Endrin	0.080000	1616175	
16.73	16.66	16.80	118476	1534440	4,4'-DDD	0.080000	1480937	
17.08	17.01	17.15	133902	1759840	Endosulfan II	0.080000	1673775	
17.34	17.27	17.41	133186	1722489	4,4'-DDT	0.080000	1664813	
18.00	17.93	18.07	103640	1371845	Endrin Aldehyde	0.080000	1295500	
18.40	18.33	18.47	276134	731447	Methoxychlor	0.400000	690335	
18.57			1624					
18.96	18.88	19.02	118448	1574194	Endosulfan sulfate	0.080000	1480600	
19.23			1826					
19.56	19.50	19.64	139108	1849761	Endrin Ketone	0.080000	1738850	
21.35			359					
21.84	21.78	21.92	116227	1622138	Decachlorobiphenyl	0.080000	1452837	

Data File: /chem/tracegc82.i/f100601.b/008f0F01010-CAL5.d
Date : 01-JUN-2010 19:13
Client ID: INDC5FA
Sample Info: 0F01010-CAL5
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



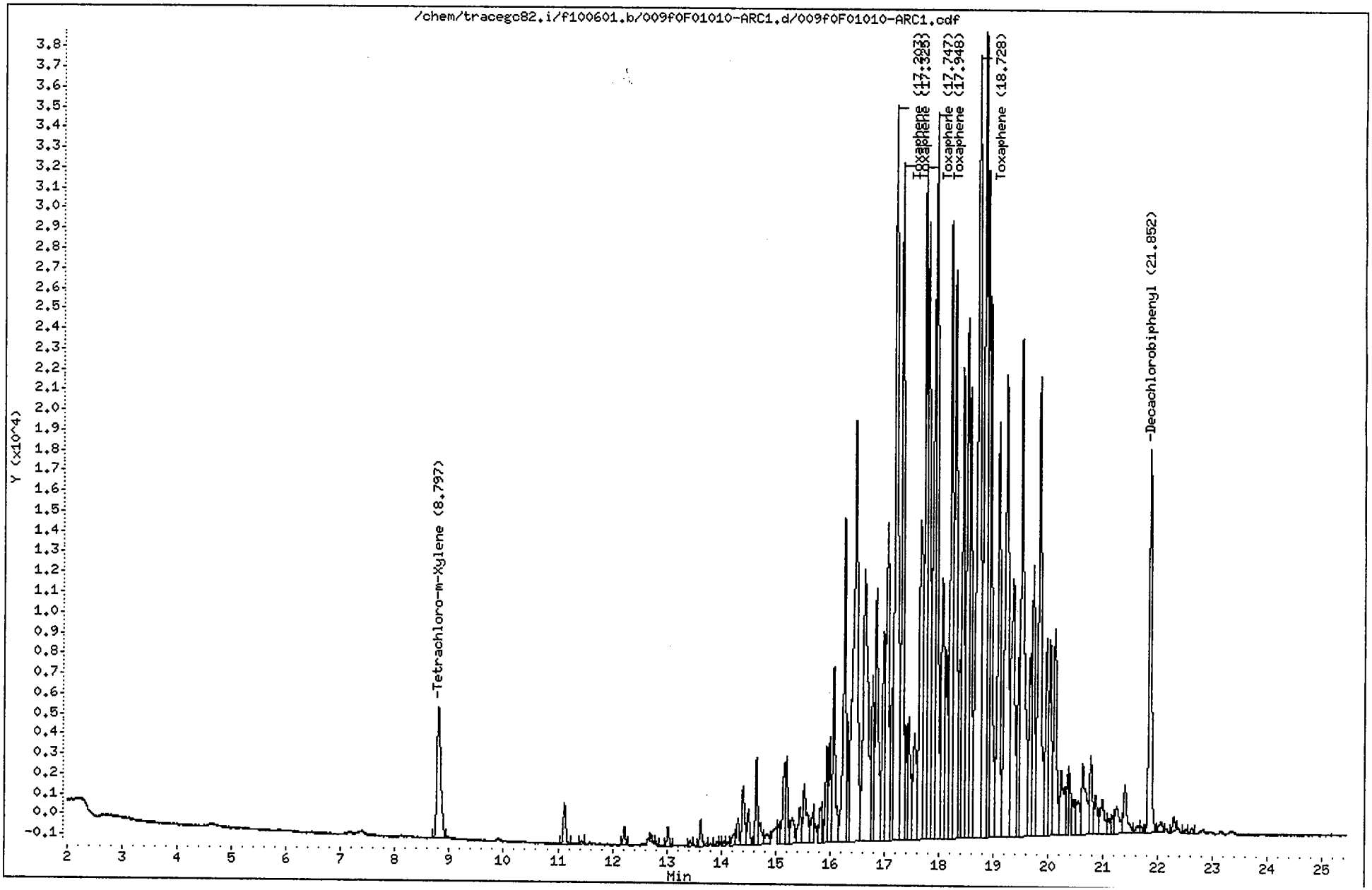
CompuChem

Lab Smp Id : 0F01010-CAL5 Client Smp Id : INDC5FA
Sample Type : INITIAL CAL: Level 5 Sublist : INDA
Inj Date : 01-JUN-2010 19:13 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601.b/8081A_clpestv6.m
Misc. Info : INDC5FA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.37			1459					
1.45			37960					
8.80	8.72	8.86	127138	1587700	Tetrachloro-m-Xylene	0.080000	1589213	
9.89			1992					
10.39	10.31	10.45	253350	3028788	alpha-BHC	0.080000	3166863	
11.23	11.16	11.30	235300	2817265	gamma-BHC (Lindane)	0.080000	2941250	
11.48	11.41	11.55	80710	1035150	beta-BHC	0.080000	1008875	
11.66			957					
11.92	11.85	11.99	228504	2721052	delta-BHC	0.080000	2856287	
12.09			1891					
12.45	12.38	12.52	207646	2589888	Heptachlor	0.080000	2595563	
12.71			589					
13.18	13.11	13.25	191566	2391920	Aldrin	0.080000	2394575	
13.97			2029					
14.42			1270					
14.63	14.56	14.70	174519	2235460	Heptachlor Epoxide	0.080000	2181475	
14.91	14.84	14.98	175365	2245768	gamma-Chlordane	0.080000	2192063	
15.22	15.14	15.28	150271	1924148	alpha-Chlordane	0.080000	1878387	
15.41	15.34	15.48	334247	2012896	4,4'-DDE	0.160000	2089044	
15.52	15.45	15.59	163177	2067970	Endosulfan I	0.080000	2039700	
16.06	15.99	16.13	326275	2037205	Dieldrin	0.160000	2039213	
16.35			8496					
16.58	16.51	16.65	266238	1695798	Endrin	0.160000	1663987	
16.73	16.66	16.80	248226	1534440	4,4'-DDD	0.160000	1551413	
16.92			508					
17.08	17.01	17.15	276484	1759840	Endosulfan II	0.160000	1728025	
17.23			609					
17.34	17.27	17.41	280201	1722489	4,4'-DDT	0.160000	1751256	
18.00	17.93	18.07	210860	1371845	Endrin Aldehyde	0.160000	1317875	
18.09			2240					
18.23			735					
18.40	18.33	18.47	562883	731447	Methoxychlor	0.800000	703604	
18.57			2729					
18.96	18.88	19.02	242176	1574194	Endosulfan sulfate	0.160000	1513594	
19.23			3897					
19.56	19.50	19.64	284501	1849761	Endrin Ketone	0.160000	1778131	
19.92			383					
21.36			768					
21.86	21.78	21.92	227333	1622138	Decachlorobiphenyl	0.160000	1420825	
23.92			441					

Data File: /chem/tracegc82.i/f100601.b/009f0F01010-ARC1.d
Date : 01-JUN-2010 19:42
Client ID: TOXAPH3FA
Sample Info: 0F01010-ARC1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : 0F01010-ARC1 Client Smp Id : TOXAPH3FA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 01-JUN-2010 19:42 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601.b/8081A_clpestv6.m
Misc. Info : TOXAPH3FA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
0.06		644					
1.36		678					
1.44		1130					
8.80	8.72 8.86	31801	1587700	Tetrachloro-m-Xylene	0.020000	1525050	
11.12		6462					
11.44		510					
12.22		2374					
12.71		915					
12.80		426					
13.02		2523					
13.43		681					
13.63		4369					
13.91		591					
14.05		561					
14.22		2317					
14.31		3875					
14.40		9959					
14.50		5437					
14.65		11295					
14.72		4381					
14.83		2931					
15.05		3084					
15.15		12352					
15.20		11776					
15.30		6241					
15.45		7143					
15.53		13648					
15.69		4458					
15.82		5098					
15.94		14710					
16.00		14674					
16.07		29748					
16.27		50748					
16.32		14711					
16.47		117271					
16.63		82430					
16.78		25002					
16.85		48722					
16.98		38780					
17.05		56955					
17.15		20414					
17.20	17.13 17.27	149548	74774	Toxaphene Peak 1	2.000000	74774	

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cc/lc

CompuChem

Lab Smp Id : 0F01010-ARC1 Client Smp Id : TOXAPH3FA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 01-JUN-2010 19:42 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601.b/8081A_clpestv6.m
Misc. Info : TOXAPH3FA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
17.32	17.25 17.39	97627	48813	Toxaphene Peak 2	2.000000	48813	
17.39		14333					
17.45		24258					
17.55		21533					
17.66		73233					
17.75	17.68 17.82	93208	46604	Toxaphene Peak 3	2.000000	46604	
17.80		93498					
17.91		89070					
17.95	17.88 18.02	114129	57064	Toxaphene Peak 4	2.000000	57064	
18.06		52328					
18.13		28642					
18.22		94055					
18.30		104518					
18.37		21424					
18.44		73022					
18.52		85133					
18.57		67804					
18.73	18.66 18.80	180369	90184	Toxaphene Peak 5	2.000000	90184	
18.84		140172					
18.89		95078					
18.93		83823					
19.09		72629					
19.23		105404					
19.36		64490					
19.45		23514					
19.52		107600					
19.67		27417					
19.72		45224					
19.84		91169					
19.97		32007					
20.03		31291					
20.12		39465					
20.24		17124					
20.37		8912					
20.45		5548					
20.54		8775					
20.63		19706					
20.78		13658					
20.86		7949					
20.98		8774					
21.11		2428					
21.18		2390					

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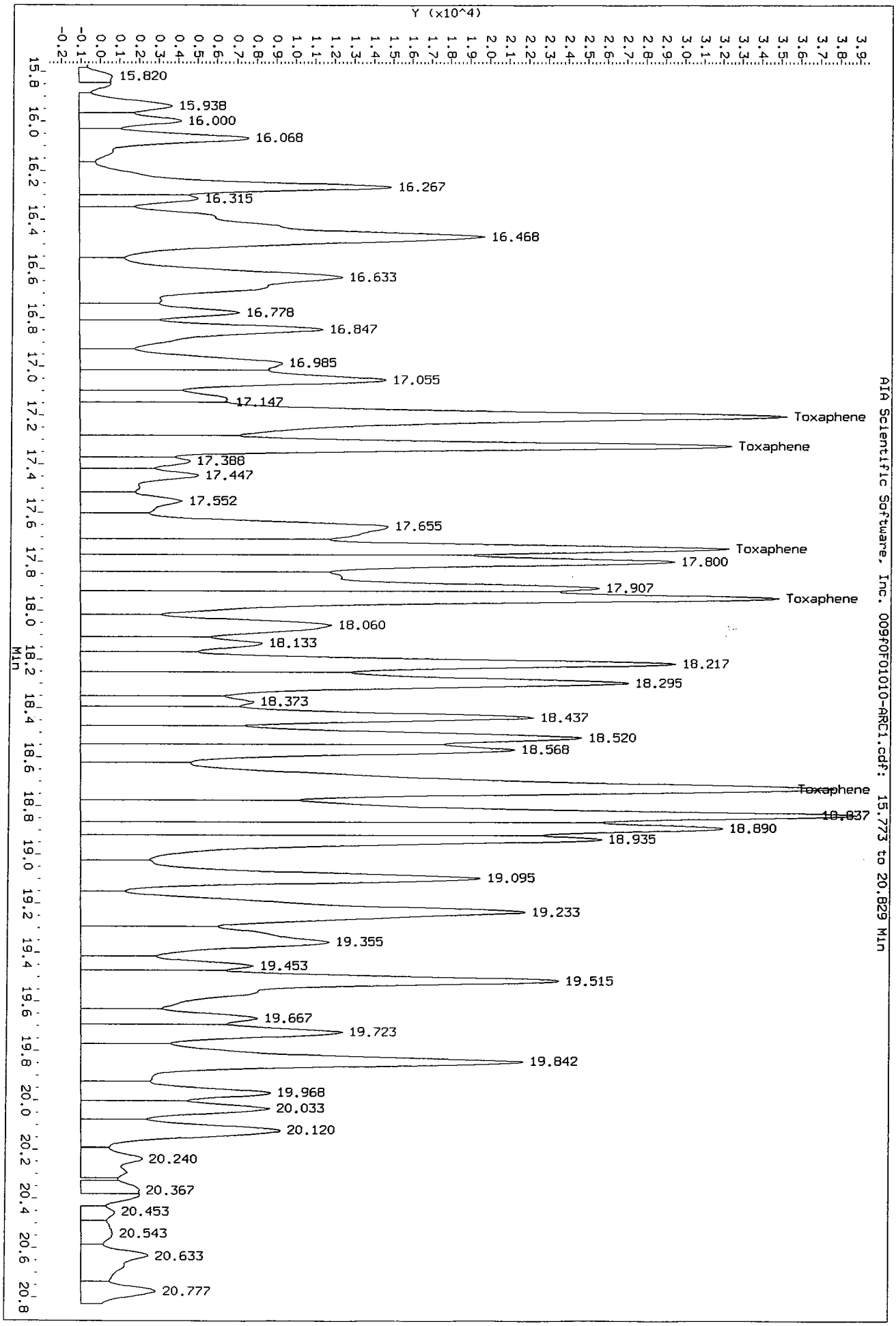
CompuChem

Lab Smp Id : 0F01010-ARC1 Client Smp Id : TOXAPH3FA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 01-JUN-2010 19:42 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601.b/8081A_clpestv6.m
Misc. Info : TOXAPH3FA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
21.25		7792					
21.39		10415					
21.64		1535					
21.70		977					
21.85	21.78 21.92	63576	1622138	Decachlorobiphenyl	0.040000	1644075	
22.06		1904					
22.29		2093					
22.52		845					
22.62		963					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Injection Date: 01-JUN-2010 19:42
Instrument: tracegc82.i
Client Sample ID: TOXAPH3FA
Y (x10^4)
AIA Scientific Software, Inc. 009f0F01010-ARC1.cdf: 15.773 to 20.829 Min
Min
15.820
15.938
16.000
16.068
16.267
16.315
16.468
16.633
16.778
16.847
16.985
17.055
17.147
Toxaphene
Toxaphene
17.388
17.447
17.552
17.655
Toxaphene
17.800
17.907
Toxaphene
18.060
18.133
18.217
18.295
18.373
18.437
18.520
18.568
Toxaphene
18.837
18.890
18.935
19.095
19.233
19.355
19.453
19.515
19.667
19.723
19.842
19.968
20.033
20.120
20.240
20.367
20.453
20.543
20.633
20.777

Data File: /chem/tracegc82.i/f100601.b/010f0F01010-ARC2.d

Date : 01-JUN-2010 20:11

Client ID: CHLOR03FA

Instrument: tracegc82.i

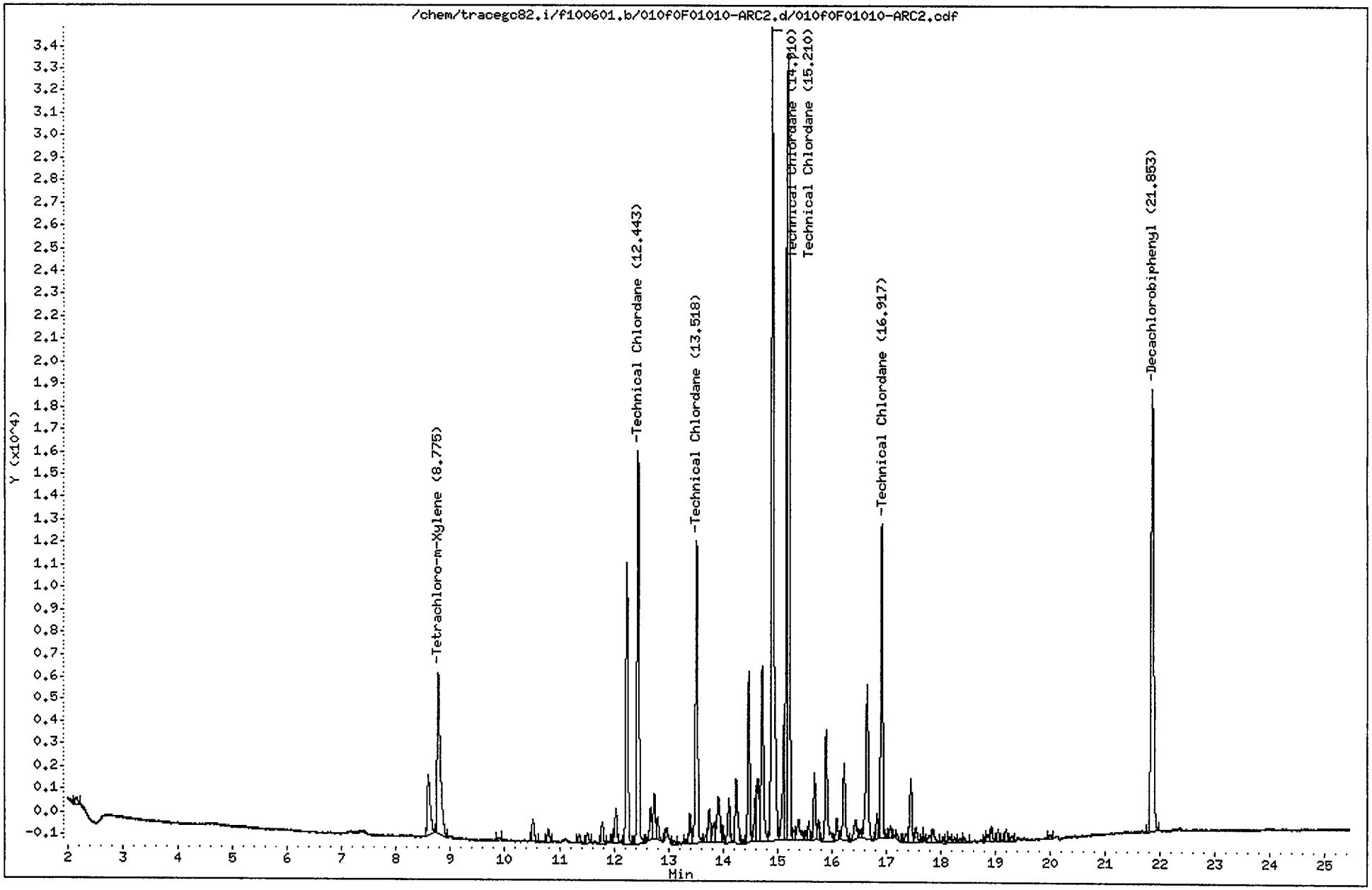
Sample Info: 0F01010-ARC2

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0F01010-ARC2 Client Smp Id : CHLORO3FA
Sample Type : INITIAL CAL: Level 3 Sublist : TechChlor
Inj Date : 01-JUN-2010 20:11 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601.b/8081A_clpestv6.m
Misc. Info : CHLORO3FA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.22			287					
1.35			24847					
2.16			1086					
8.59			10506					
8.78	8.72	8.86	28686	1587700	Tetrachloro-m-Xylene	0.020000	1525050	
9.89			288					
10.51			3146					
10.80			1860					
11.36			1178					
11.52			1344					
11.78			2651					
11.97			903					
12.04			4135					
12.24			33165					
12.44	12.37	12.51	45873	114680	TechnicalChlordane Peak 1	0.400000	114680	
12.62			283					
12.68			3781					
12.74			5736					
12.81			2653					
12.96			1025					
13.10			501					
13.32			368					
13.39			3305					
13.52	13.45	13.59	36845	92112	TechnicalChlordane Peak 2	0.400000	92113	
13.69			824					
13.75			4509					
13.83			2328					
13.92			7879					
14.00			1576					
14.11			5550					
14.24			9461					
14.37			416					
14.47			18273					
14.61			5216					
14.64			8800					
14.72			23981					
14.91	14.84	14.98	105050	262622	TechnicalChlordane Peak 3	0.400000	262623	
15.13			12997					
15.18			68264					
15.21	15.14	15.28	82526	206312	TechnicalChlordane Peak 4	0.400000	206313	
15.30			1299					
15.39			3822					

CompuChem

Lab Smp Id : 0F01010-ARC2 Client Smp Id : CHLORO3FA
Sample Type : INITIAL CAL: Level 3 Sublist : TechChlor
Inj Date : 01-JUN-2010 20:11 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601.b/8081A_clpestv6.m
Misc. Info : CHLORO3FA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.52		843					
15.58		1757					
15.69		7772					
15.76		2152					
15.90		15319					
16.09		2519					
16.23		10400					
16.44		3352					
16.52		1042					
16.65		21548					
16.83		2600					
16.92	16.85 16.99	33902	84755	TechnicalChlordane Peak 5	0.400000	84755	
17.01		378					
17.08		1219					
17.20		569					
17.36		1207					
17.46		7954					
17.55		1916					
17.67		439					
17.80		1007					
17.86		2015					
18.04		724					
18.16		699					
18.26		639					
18.36		644					
18.43		634					
18.82		328					
18.87		1072					
18.93		1773					
19.05		1377					
19.20		1420					
19.30		627					
20.00		552					
21.85	21.78 21.92	64279	1622138	Decachlorobiphenyl	0.040000	1644075	

Data File: /chem/tracegc82.i/f100601.b/011f0F01010-SCV1.d

Date : 01-JUN-2010 20:40

Client ID: PESTCHKFA

Instrument: tracegc82.i

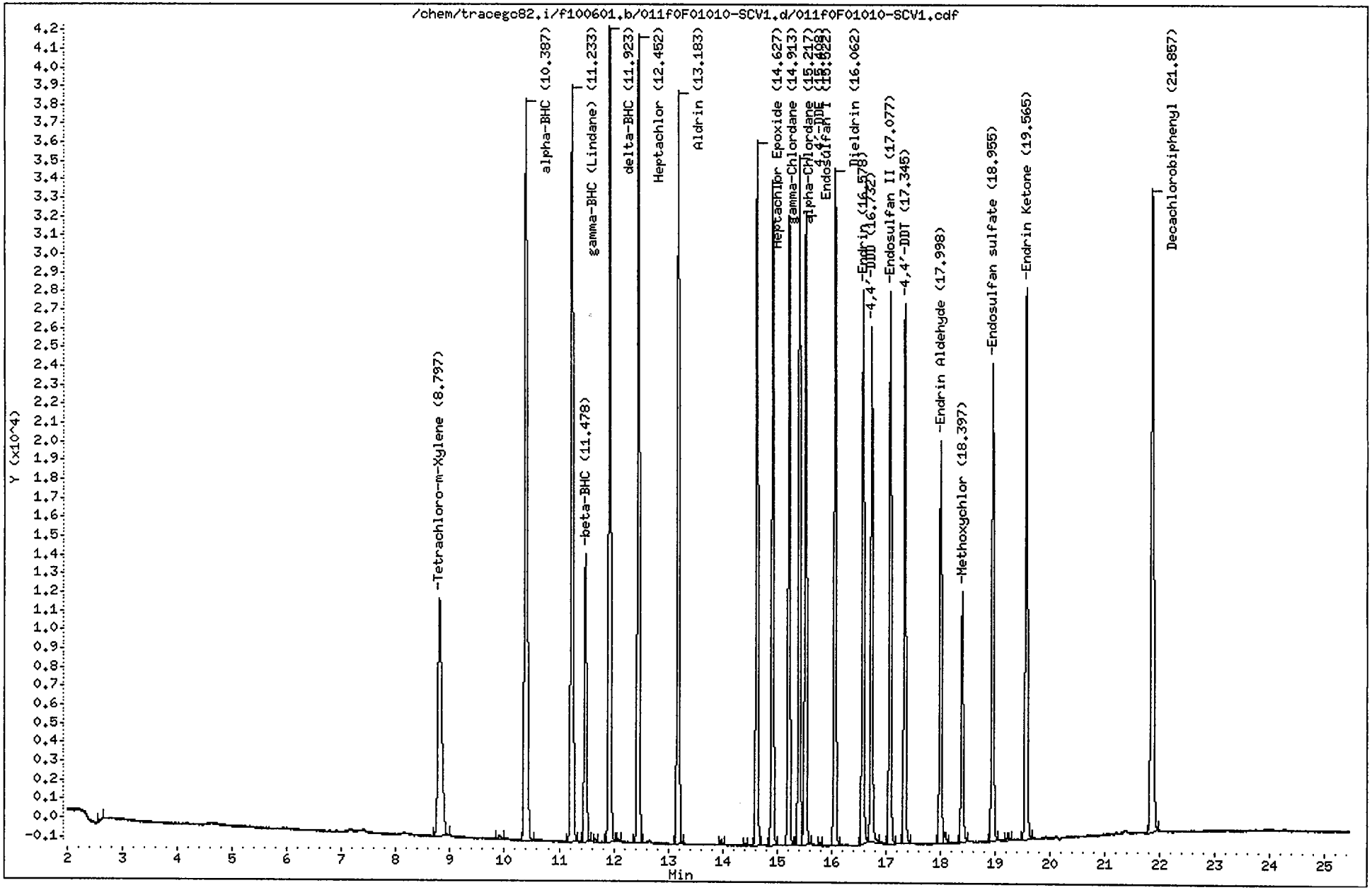
Sample Info: 0F01010-SCV1

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



CompuChem

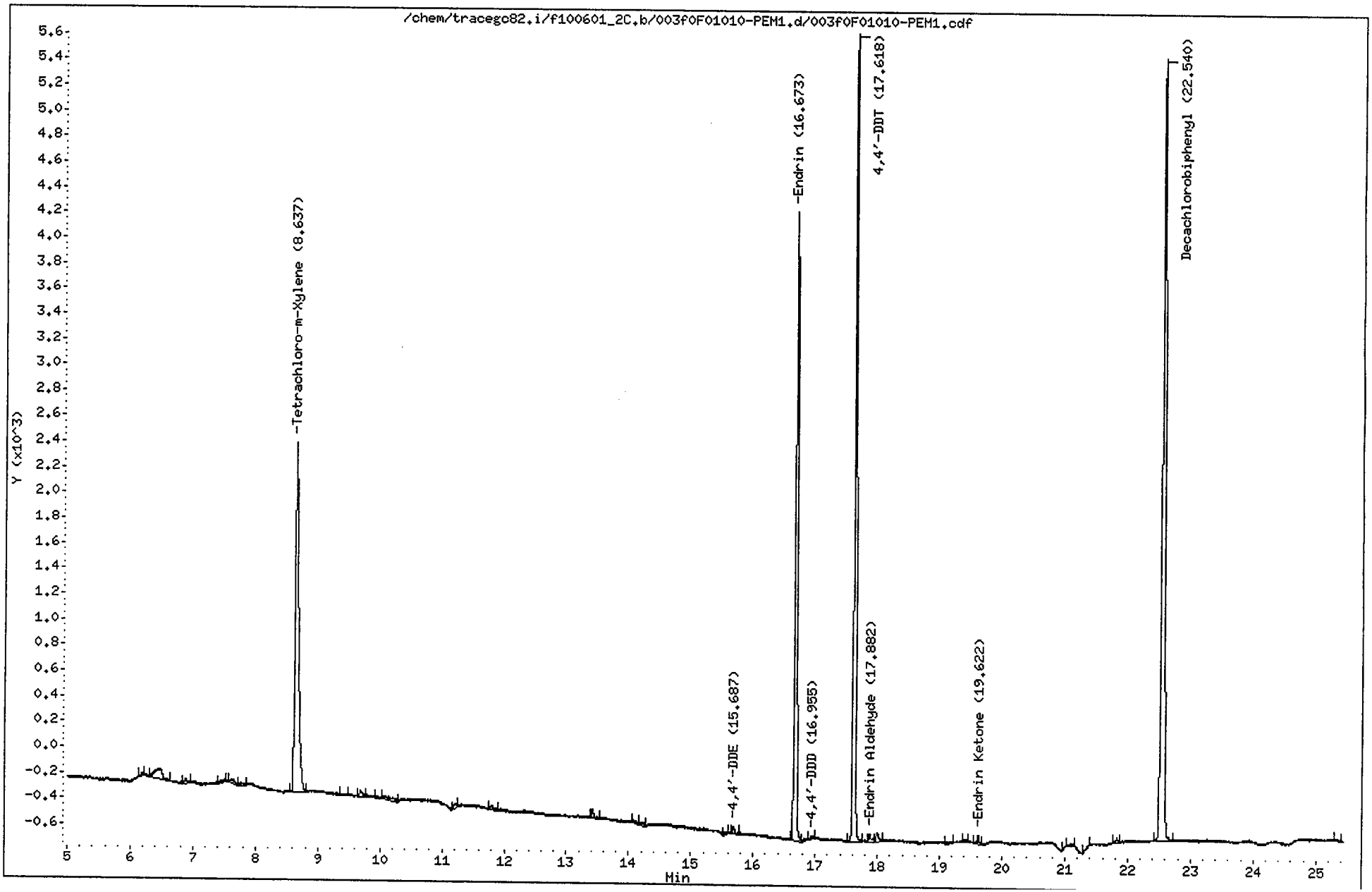
Lab Smp Id : 0F01010-SCV1 Client Smp Id : PESTCHKFA
Sample Type : QCCHECK Sublist : INDA
Inj Date : 01-JUN-2010 20:40 Inst ID : TRACEGC82
Operator : BWL Spike Sublist : INDAchek
Method : /chem/tracegc82.i/f100601.b/8081A_clpestv6.m
Misc. Info : PESTCHKFA

RT	AREA
1.36	2249
1.44	20693
2.64	329
8.80	62247
9.91	902
10.39	132268
11.23	118738
11.48	43096
11.67	430
11.92	117713
12.09	369
12.45	113340
13.18	103156
13.97	677
14.42	341
14.63	91370
14.91	85776
15.22	81209
15.41	86175
15.52	83817
15.79	308
16.06	87846
16.58	73082
16.73	65929
17.08	73450
17.34	69417
18.00	54466
18.09	1504
18.40	33497
18.95	65399
19.24	1034
19.57	77138
21.86	111534

Data File: /chem/tracegc82.i/f100601_2C.b/003f0F01010-PEM1.d
Date : 01-JUN-2010 16:47
Client ID: PEMFA
Sample Info: 0F01010-PEM1
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i

Operator: System
Column diameter: 0.32



CompuChem

Lab Smp Id : 0F01010-PEM1 Client Smp Id : PEMFA
Sample Type : SAMPLE Sublist : PEM
Inj Date : 01-JUN-2010 16:47 Inst ID : TRACEGC82
Operator : System
Method : /chem/tracegc82.i/f100601_2C.b/8081A_clpest2v6.m
Misc. Info : PEMFA

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
0.08			181								
0.37			541								
0.42			55								
1.05			84								
1.17			43								
1.36			39598								
2.62			635								
3.10			48								
3.73			76								
6.20			60								
6.43			684								
6.87			129								
7.46			106								
7.62			196								
7.76			113								
8.64	8.59	8.73	10414	548876	Tetrachloro-m-Xylene	0.018973	0.018973		95.8	43 - 135	
9.36			75								
9.68			162								
9.95			51								
10.06			281								
11.21			103								
11.80			141								
13.41			207								
14.09			99								
14.23			123								
15.55			60								
15.69	15.61	15.75	150	617325	4,4'-DDE	0.000242	0.000242	0.020000			J
16.67	16.60	16.74	11937	524785	Endrin	0.022746	0.022746	0.020000			
16.83			100								
16.96	16.87	17.01	71	454222	4,4'-DDD	0.000157	0.000157	0.020000			J
17.62	17.55	17.69	14640	503765	4,4'-DDT	0.029061	0.029061	0.020000			
17.88	17.81	17.95	206	425754	Endrin Aldehyde	0.000485	0.000485	0.020000			J
18.00			198								
19.13			88								
19.39			46								
19.62	19.55	19.69	176	535815	Endrin Ketone	0.000329	0.000329	0.020000			J
21.02			47								

CompuChem

Lab Smp Id : 0F01010-PEM1 Client Smp Id : PEMFA
Sample Type : SAMPLE Sublist : PEM
Inj Date : 01-JUN-2010 16:47 Inst ID :
Operator : System
Method : /chem/tracegc82.i/f100601_2C.b/8081A_clpest2v6.m
Misc. Info : PEMFA

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
21.08		95								
21.38		48								
21.82		92								
22.54	22.47 22.61	19788	497254	Decachlorobiphenyl	0.039794	0.039794		100.5	43 - 144	
25.32		58								

Data File: /chem/tracegc82.i/f100601_2C.b/004f0F01010-CAL1.d

Date : 01-JUN-2010 17:16

Client ID: INDC1FA

Sample Info: 0F01010-CAL1

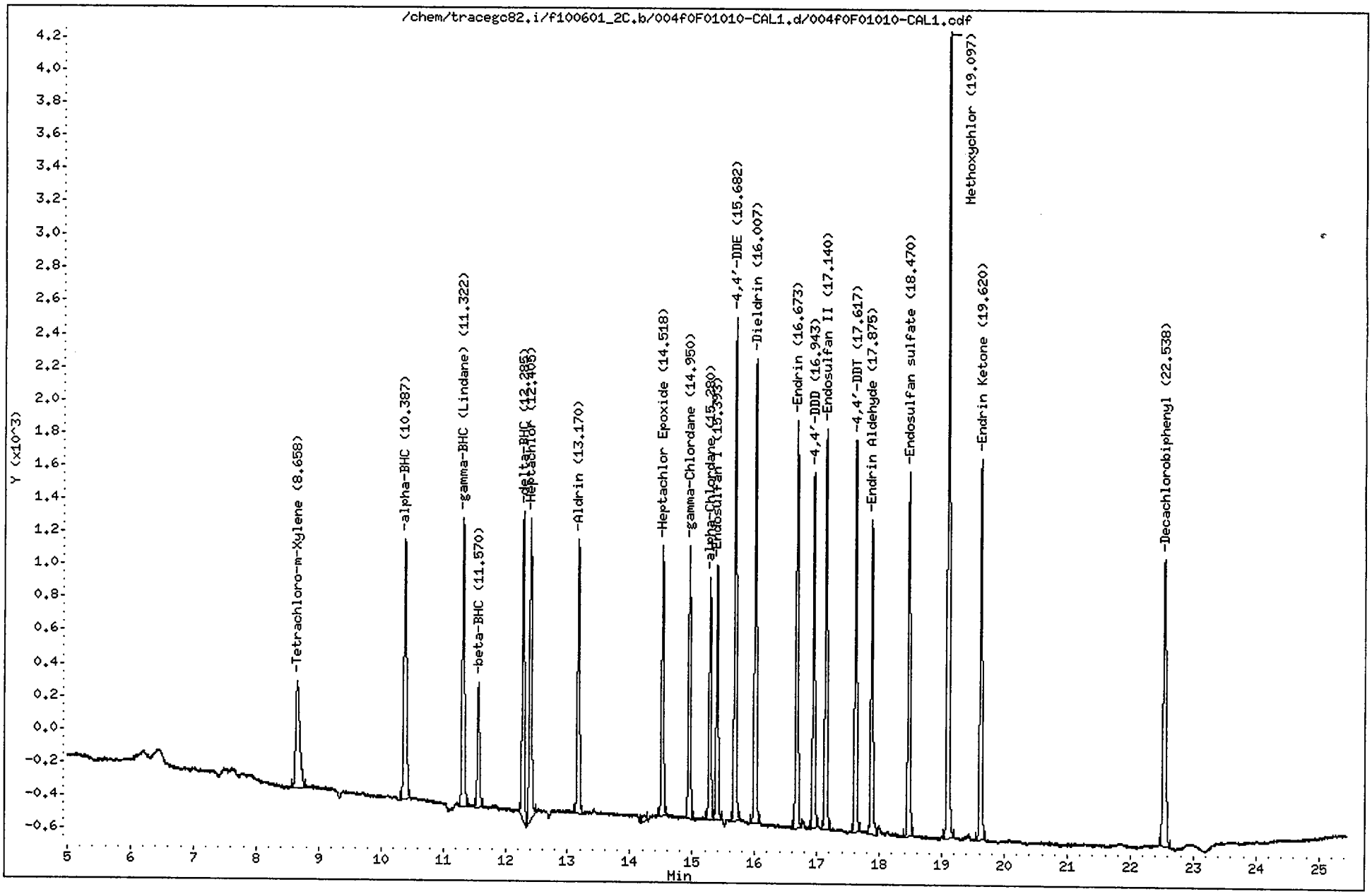
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL

Column diameter: 0.32



CompuChem

Lab Smp Id : 0F01010-CAL1 Client Smp Id : INDC1FA
Sample Type : INITIAL CAL: Level 1 Sublist : INDA
Inj Date : 01-JUN-2010 17:16 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601_2C.b/8081A_clpest2v6.m
Misc. Info : INDC1FA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
0.06			130					
1.30			183					
1.35			575					
1.51			237309					
8.66	8.58	8.72	2927	548876	Tetrachloro-m-Xylene	0.005000	585400	
10.39	10.32	10.46	4721	916452	alpha-BHC	0.005000	944200	
11.32	11.25	11.39	4497	866882	gamma-BHC (Lindane)	0.005000	899200	
11.57	11.50	11.64	1840	347428	beta-BHC	0.005000	367800	
12.28	12.22	12.36	4378	827595	delta-BHC	0.005000	875600	
12.40	12.33	12.47	4655	778205	Heptachlor	0.005500	846364	
13.17	13.10	13.24	3982	726628	Aldrin	0.005000	796200	
14.22			127					
14.52	14.45	14.59	3756	683115	Heptachlor Epoxide	0.005000	751000	
14.95	14.88	15.02	3797	690205	gamma-Chlordane	0.005000	759400	
15.28	15.21	15.35	3310	595455	alpha-Chlordane	0.005000	661800	
15.39	15.32	15.46	3590	638725	Endosulfan I	0.005000	718000	
15.68	15.61	15.75	6708	617325	4,4'-DDE	0.010000	670700	
16.01	15.94	16.08	6485	598394	Dieldrin	0.010000	648500	
16.67	16.60	16.74	5776	524785	Endrin	0.010000	577600	
16.94	16.88	17.02	4783	454222	4,4'-DDD	0.010000	478200	
17.14	17.07	17.21	5677	526756	Endosulfan II	0.010000	567700	
17.62	17.55	17.69	5327	503765	4,4'-DDT	0.010000	532700	
17.88	17.80	17.94	4609	425754	Endrin Aldehyde	0.010000	460900	
18.47	18.40	18.54	5186	479624	Endosulfan sulfate	0.010000	518600	
19.10	19.03	19.17	11409	208391	Methoxychlor	0.050000	228160	
19.62	19.55	19.69	5625	535815	Endrin Ketone	0.010000	562500	
22.54	22.47	22.61	5516	497254	Decachlorobiphenyl	0.010000	551500	

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Data File: /chem/tracegc82.i/f100601_2C.b/005f0F01010-CAL2.d

Date : 01-JUN-2010 17:45

Client ID: INDC2FA

Instrument: tracegc82.i

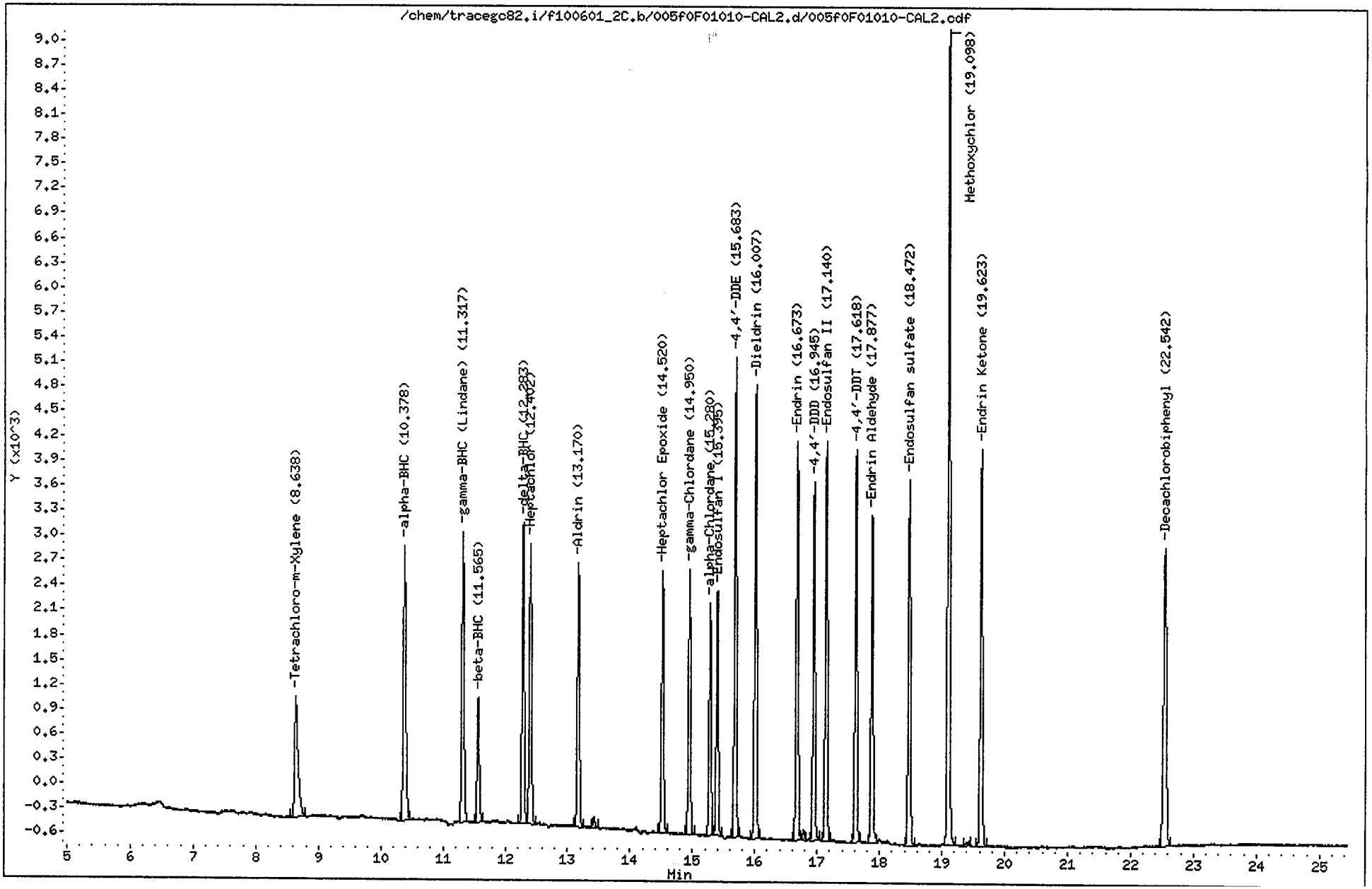
Sample Info: 0F01010-CAL2

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0F01010-CAL2 Client Smp Id : INDC2FA
Sample Type : INITIAL CAL: Level 2 Sublist : INDA
Inj Date : 01-JUN-2010 17:45 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601_2C.b/8081A_clpest2v6.m
Misc. Info : INDC2FA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.33			1025					
1.36			39937					
1.76			12747					
1.94			15537					
8.64	8.58	8.72	5717	548876	Tetrachloro-m-Xylene	0.010000	571700	
10.38	10.32	10.46	9330	916452	alpha-BHC	0.010000	933000	
11.32	11.25	11.39	8783	866882	gamma-BHC (Lindane)	0.010000	878200	
11.56	11.50	11.64	3659	347428	beta-BHC	0.010000	365900	
12.28	12.22	12.36	8355	827595	delta-BHC	0.010000	835500	
12.40	12.33	12.47	8208	778205	Heptachlor	0.010000	820800	
13.17	13.10	13.24	7654	726628	Aldrin	0.010000	765400	
13.42			289					
14.52	14.45	14.59	7298	683115	Heptachlor Epoxide	0.010000	729800	
14.95	14.88	15.02	7401	690205	gamma-Chlordane	0.010000	740100	
15.28	15.21	15.35	6378	595455	alpha-Chlordane	0.010000	637800	
15.40	15.32	15.46	6867	638725	Endosulfan I	0.010000	686700	
15.68	15.61	15.75	12915	617325	4,4'-DDE	0.020000	645750	
16.01	15.94	16.08	12755	598394	Dieldrin	0.020000	637750	
16.67	16.60	16.74	11432	524785	Endrin	0.020000	571600	
16.78			275					
16.94	16.88	17.02	9651	454222	4,4'-DDD	0.020000	482500	
17.14	17.07	17.21	11424	526756	Endosulfan II	0.020000	571150	
17.62	17.55	17.69	10748	503765	4,4'-DDT	0.020000	537350	
17.88	17.80	17.94	9406	425754	Endrin Aldehyde	0.020000	470250	
18.47	18.40	18.54	10648	479624	Endosulfan sulfate	0.020000	532400	
19.10	19.03	19.17	23137	208391	Methoxychlor	0.100000	231360	
19.39			159					
19.62	19.55	19.69	11856	535815	Endrin Ketone	0.020000	592750	
22.54	22.47	22.61	11550	497254	Decachlorobiphenyl	0.020000	577450	

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Data File: /chem/tracegc82.i/f100601_2C.b/006f0F01010-CAL3.d

Page 1

Date : 01-JUN-2010 18:14

Client ID: INDC3FA

Instrument: tracegc82.i

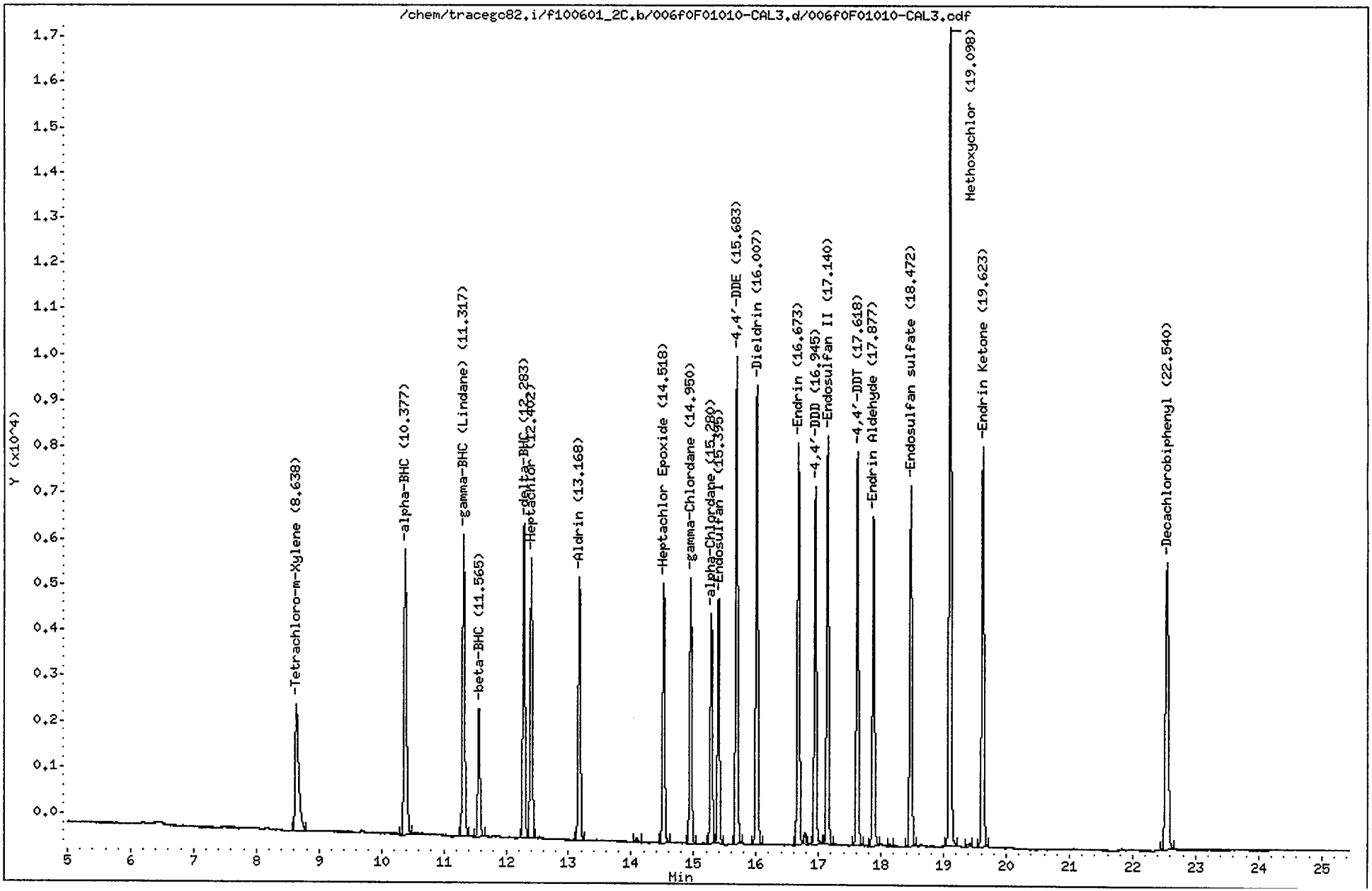
Sample Info: 0F01010-CAL3

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

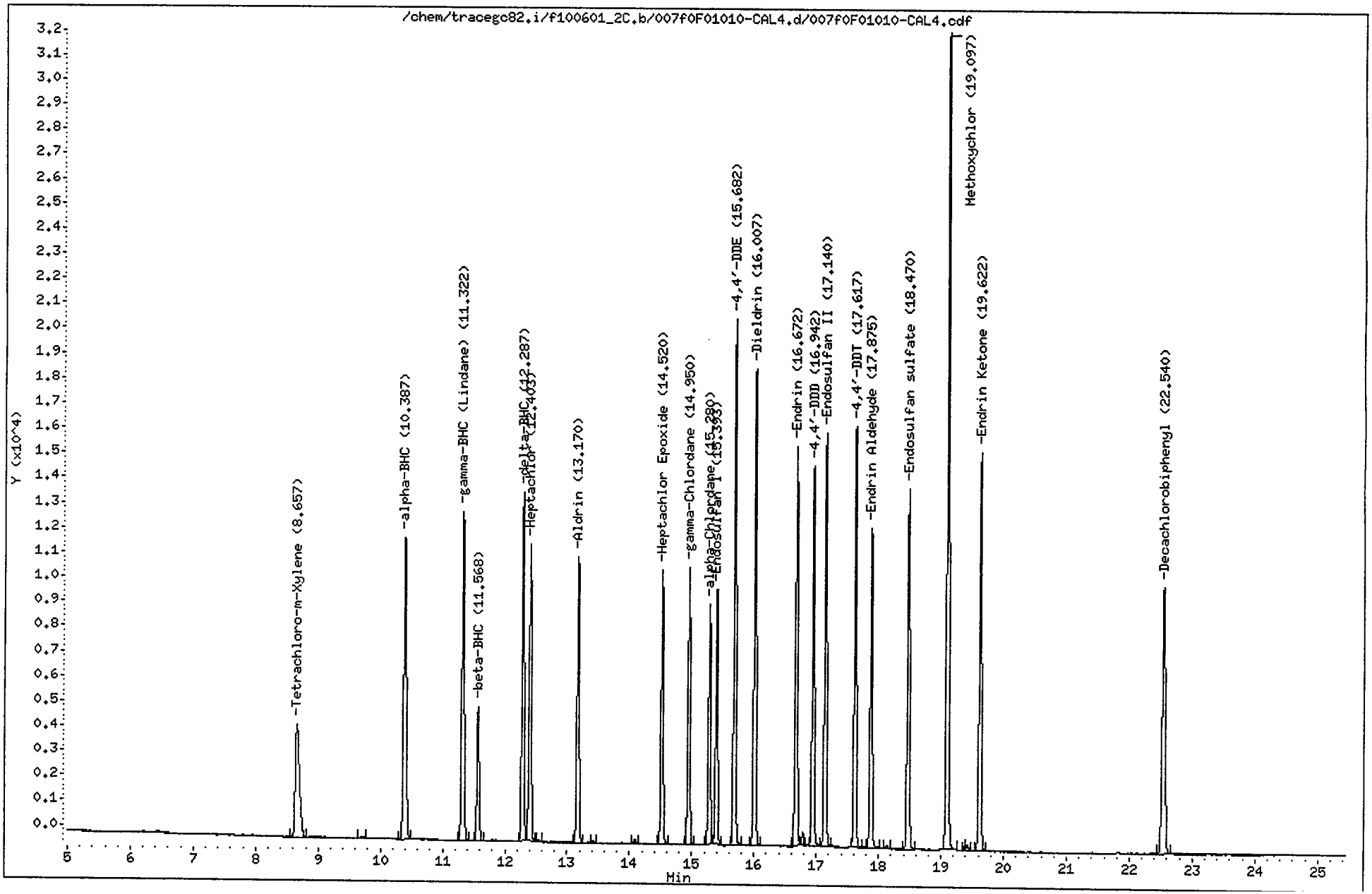
Lab Smp Id : 0F01010-CAL3 Client Smp Id : INDC3FA
Sample Type : INITIAL CAL: Level 3 Sublist : INDA
Inj Date : 01-JUN-2010 18:14 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3FA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.34			853					
1.36			42966					
1.76			13331					
1.95			16834					
2.64			413					
8.64	8.58	8.72	10510	548876	Tetrachloro-m-Xylene	0.020000	525450	
10.38	10.32	10.46	17417	916452	alpha-BHC	0.020000	870800	
11.32	11.25	11.39	16506	866882	gamma-BHC (Lindane)	0.020000	825300	
11.56	11.50	11.64	6748	347428	beta-BHC	0.020000	337350	
12.28	12.22	12.36	15689	827595	delta-BHC	0.020000	784450	
12.40	12.33	12.47	14910	778205	Heptachlor	0.020000	745450	
13.17	13.10	13.24	13897	726628	Aldrin	0.020000	694850	
14.09			204					
14.52	14.45	14.59	13242	683115	Heptachlor Epoxide	0.020000	662050	
14.95	14.88	15.02	13319	690205	gamma-Chlordane	0.020000	665950	
15.28	15.21	15.35	11497	595455	alpha-Chlordane	0.020000	574850	
15.40	15.32	15.46	12392	638725	Endosulfan I	0.020000	619550	
15.68	15.61	15.75	23516	617325	4,4'-DDE	0.040000	587900	
16.01	15.94	16.08	23212	598394	Dieldrin	0.040000	580275	
16.67	16.60	16.74	20625	524785	Endrin	0.040000	515625	
16.78			556					
16.94	16.88	17.02	17717	454222	4,4'-DDD	0.040000	442925	
17.14	17.07	17.21	20915	526756	Endosulfan II	0.040000	522875	
17.62	17.55	17.69	19611	503765	4,4'-DDT	0.040000	490275	
17.88	17.80	17.94	17308	425754	Endrin Aldehyde	0.040000	432675	
18.13			138					
18.47	18.40	18.54	19117	479624	Endosulfan sulfate	0.040000	477925	
19.10	19.03	19.17	41394	208391	Methoxychlor	0.200000	206965	
19.38			304					
19.62	19.55	19.69	21541	535815	Endrin Ketone	0.040000	538525	
22.54	22.47	22.61	20374	497254	Decachlorobiphenyl	0.040000	509350	

Data File: /chem/tracegc82.i/f100601_2C.b/007f0F01010-CAL4.d
Date : 01-JUN-2010 18:43
Client ID: INDC4FA
Sample Info: 0F01010-CAL4
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : 0F01010-CAL4 Client Smp Id : INDC4FA
Sample Type : INITIAL CAL: Level 4 Sublist : INDA
Inj Date : 01-JUN-2010 18:43 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601_2C.b/8081A_clpest2v6.m
Misc. Info : INDC4FA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.35			400					
1.49			68742					
2.65			305					
8.66	8.58	8.72	21289	548876	Tetrachloro-m-Xylene	0.040000	532200	
9.70			284					
10.39	10.32	10.46	36041	916452	alpha-BHC	0.040000	901025	
11.32	11.25	11.39	34087	866882	gamma-BHC (Lindane)	0.040000	852175	
11.57	11.50	11.64	13386	347428	beta-BHC	0.040000	334625	
12.29	12.22	12.36	32147	827595	delta-BHC	0.040000	803675	
12.40	12.33	12.47	29628	778205	Heptachlor	0.040000	740675	
12.54			158					
13.17	13.10	13.24	27601	726628	Aldrin	0.040000	690025	
13.42			180					
14.09			359					
14.52	14.45	14.59	25730	683115	Heptachlor Epoxide	0.040000	643250	
14.95	14.88	15.02	25844	690205	gamma-Chlordane	0.040000	646075	
15.28	15.21	15.35	22287	595455	alpha-Chlordane	0.040000	557175	
15.39	15.32	15.46	23705	638725	Endosulfan I	0.040000	592625	
15.68	15.61	15.75	46840	617325	4,4'-DDE	0.080000	585500	
16.01	15.94	16.08	44897	598394	Dieldrin	0.080000	561200	
16.67	16.60	16.74	38600	524785	Endrin	0.080000	482487	
16.78			1103					
16.94	16.88	17.02	34447	454222	4,4'-DDD	0.080000	430575	
17.14	17.07	17.21	39018	526756	Endosulfan II	0.080000	487713	
17.62	17.55	17.69	37999	503765	4,4'-DDT	0.080000	474987	
17.88	17.80	17.94	30912	425754	Endrin Aldehyde	0.080000	386400	
18.14			256					
18.47	18.40	18.54	35055	479624	Endosulfan sulfate	0.080000	438187	
19.10	19.03	19.17	75439	208391	Methoxychlor	0.400000	188595	
19.38			299					
19.43			553					
19.62	19.55	19.69	39611	535815	Endrin Ketone	0.080000	495137	
22.54	22.47	22.61	34944	497254	Decachlorobiphenyl	0.080000	436787	

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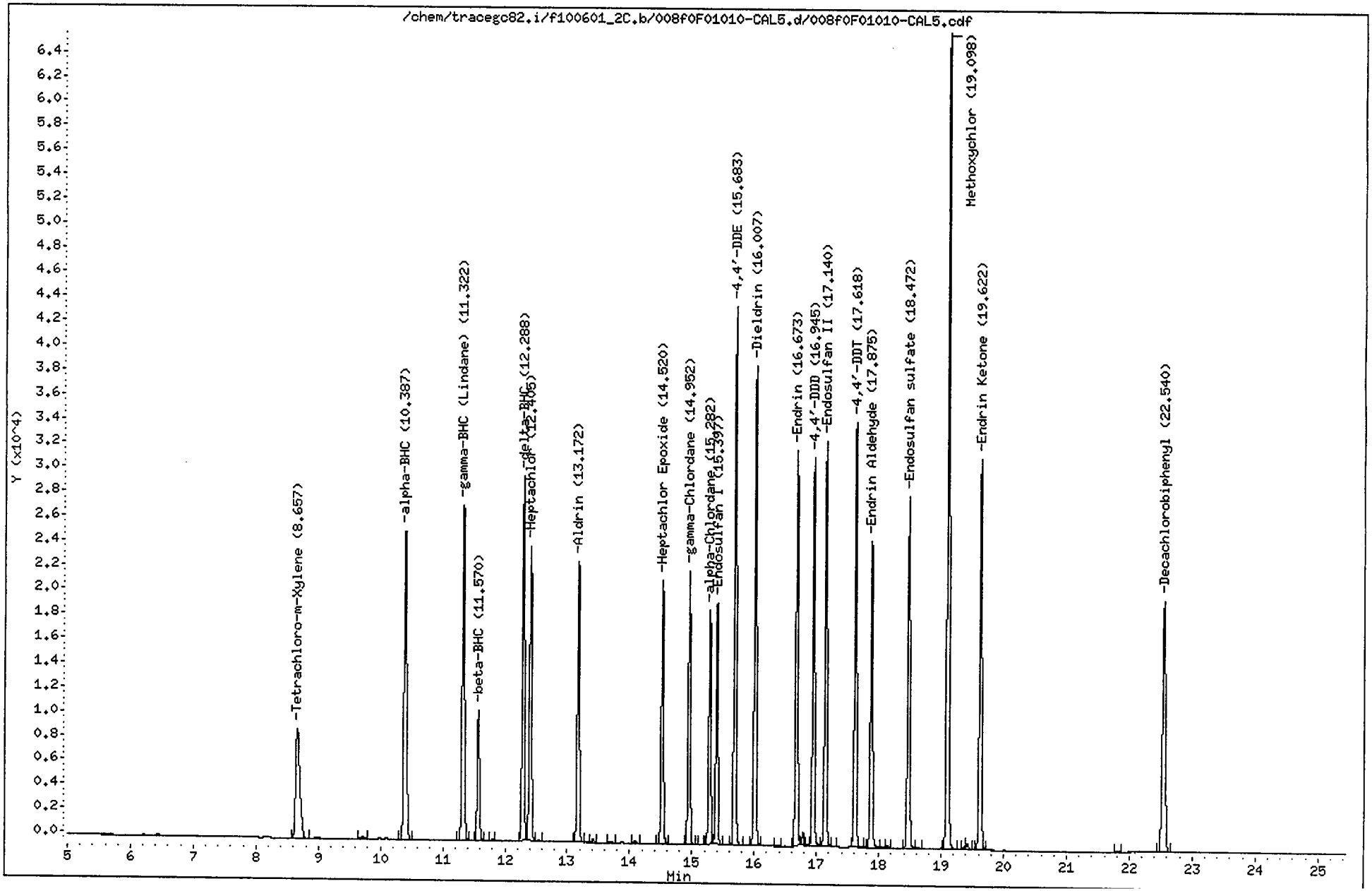
Data File: /chem/tracegc82.i/f100601_2C.b/008f0F01010-CAL5.d
Date : 01-JUN-2010 19:13
Client ID: INDC5FA
Sample Info: 0F01010-CAL5
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

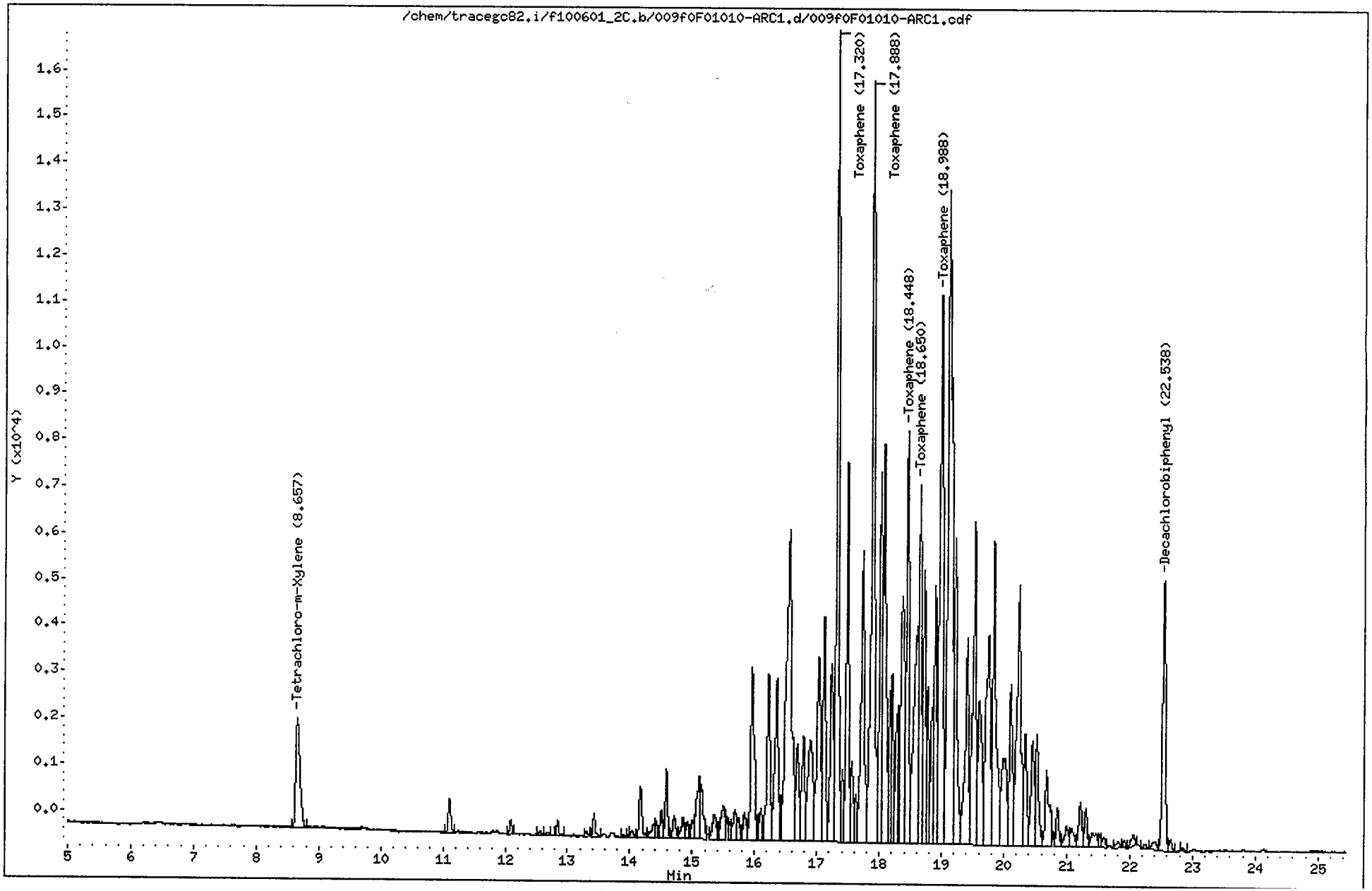
Lab Smp Id : 0F01010-CAL5 Client Smp Id : INDC5FA
Sample Type : INITIAL CAL: Level 5 Sublist : INDA
Inj Date : 01-JUN-2010 19:13 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601_2C.b/8081A_clpest2v6.m
Misc. Info : INDC5FA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.35			382					
1.50			72033					
2.66			169					
8.66	8.58	8.72	42370	548876	Tetrachloro-m-Xylene	0.080000	529625	
9.71			635					
10.39	10.32	10.46	74660	916452	alpha-BHC	0.080000	933237	
11.32	11.25	11.39	70364	866882	gamma-BHC (Lindane)	0.080000	879537	
11.57	11.50	11.64	26517	347428	beta-BHC	0.080000	331463	
11.80			235					
12.29	12.22	12.36	67100	827595	delta-BHC	0.080000	838750	
12.40	12.33	12.47	59020	778205	Heptachlor	0.080000	737737	
12.54			322					
13.17	13.10	13.24	54933	726628	Aldrin	0.080000	686663	
13.42			608					
13.69			234					
14.10			568					
14.52	14.45	14.59	50358	683115	Heptachlor Epoxide	0.080000	629475	
14.95	14.88	15.02	51161	690205	gamma-Chlordane	0.080000	639500	
15.16			152					
15.28	15.21	15.35	43653	595455	alpha-Chlordane	0.080000	545650	
15.40	15.32	15.46	46140	638725	Endosulfan I	0.080000	576750	
15.68	15.61	15.75	95485	617325	4,4'-DDE	0.160000	596775	
16.01	15.94	16.08	90279	598394	Dieldrin	0.160000	564244	
16.37			189					
16.67	16.60	16.74	76258	524785	Endrin	0.160000	476613	
16.78			2234					
16.86			199					
16.94	16.88	17.02	69906	454222	4,4'-DDD	0.160000	436913	
17.14	17.07	17.21	77495	526756	Endosulfan II	0.160000	484344	
17.27			150					
17.62	17.55	17.69	77362	503765	4,4'-DDT	0.160000	483513	
17.88	17.80	17.94	60568	425754	Endrin Aldehyde	0.160000	378544	
18.06			209					
18.13			619					
18.47	18.40	18.54	68961	479624	Endosulfan sulfate	0.160000	431006	
18.63			165					
19.10	19.03	19.17	149501	208391	Methoxychlor	0.800000	186875	
19.38			581					
19.42			1054					
19.62	19.55	19.69	78427	535815	Endrin Ketone	0.160000	490163	
21.82			236					
22.54	22.47	22.61	65790	497254	Decachlorobiphenyl	0.160000	411181	

Data File: /chem/tracegc82.i/f100601_2C.b/009f0F01010-ARC1.d
Date : 01-JUN-2010 19:42
Client ID: TOXAPH3FA
Sample Info: 0F01010-ARC1
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : 0F01010-ARC1 Client Smp Id : TOXAPH3FA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 01-JUN-2010 19:42 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601_2C.b/8081A_clpest2v6.m
Misc. Info : TOXAPH3FA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.35			413					
1.50			67818					
2.60			168					
8.66	8.58	8.72	11058	548876	Tetrachloro-m-Xylene	0.020000	525450	
11.10			2136					
12.09			783					
12.56			245					
12.67			259					
12.84			782					
13.30			243					
13.43			1241					
13.90			134					
13.98			127					
14.03			422					
14.17			3522					
14.38			1130					
14.43			931					
14.50			1681					
14.59			3752					
14.71			1686					
14.85			1677					
14.93			1017					
15.01			1114					
15.11			5652					
15.15			3637					
15.36			2412					
15.50			3000					
15.61			913					
15.69			2408					
15.74			1317					
15.84			2085					
15.96			14755					
16.05			771					
16.10			1970					
16.22			13236					
16.36			13310					
16.41			2174					
16.55			41013					
16.68			7173					
16.79			8363					
16.89			12641					
17.02			17026					

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CompuChem

Lab Smp Id : 0F01010-ARC1 Client Smp Id : TOXAPH3FA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 01-JUN-2010 19:42 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601_2C.b/8081A_clpest2v6.m
Misc. Info : TOXAPH3FA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
17.11		15772					
17.23		13221					
17.32	17.25 17.39	48195	24097	Toxaphene Peak 1	2.000000	24097	
17.41		4033					
17.48		22539					
17.56		5678					
17.63		2652					
17.73		24167					
17.89	17.82 17.96	58764	29382	Toxaphene Peak 2	2.000000	29381	
18.02		21958					
18.07		29607					
18.18		7156					
18.20		9785					
18.29		6268					
18.31		6485					
18.36		21693					
18.45	18.38 18.52	25900	12950	Toxaphene Peak 3	2.000000	12950	
18.60		23048					
18.65	18.58 18.72	22153	11076	Toxaphene Peak 4	2.000000	11077	
18.72		16411					
18.77		8748					
18.84		7576					
18.89		15094					
18.99	18.92 19.06	47239	23620	Toxaphene Peak 5	2.000000	23619	
19.11		67795					
19.22		21833					
19.41		16979					
19.53		25007					
19.60		14342					
19.75		23390					
19.84		24539					
19.98		11693					
20.10		12464					
20.23		25484					
20.34		8521					
20.45		7990					
20.52		8339					
20.68		7451					
20.86		2702					
21.00		1875					
21.08		1867					
21.21		3534					

2P

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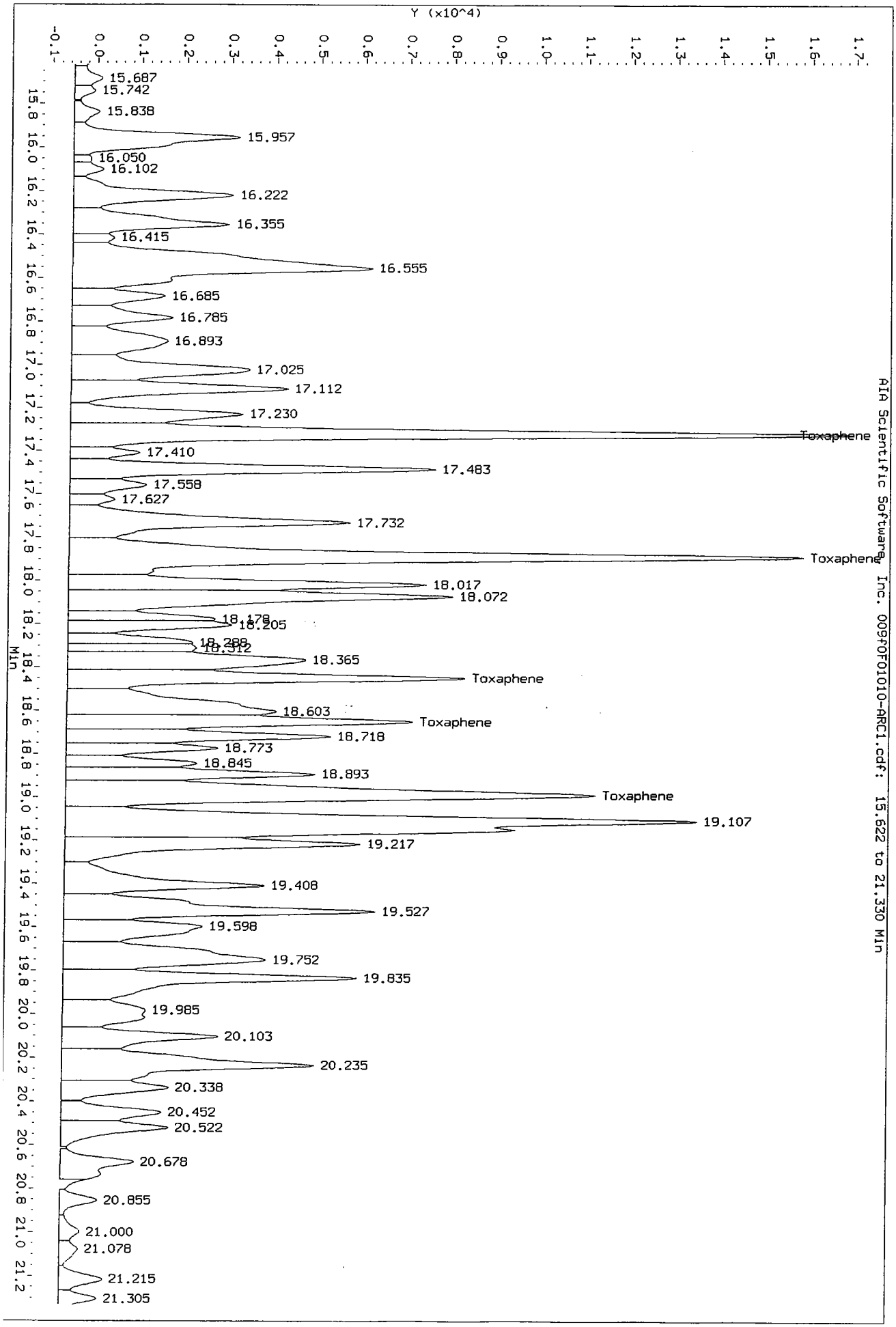
CompuChem

Lab Smp Id : 0F01010-ARC1 Client Smp Id : TOXAPH3FA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 01-JUN-2010 19:42 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601_2C.b/8081A_clpest2v6.m
Misc. Info : TOXAPH3FA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
21.30		2459					
21.41		2004					
21.52		765					
21.59		707					
21.82		489					
21.91		413					
22.06		1035					
22.24		295					
22.40		876					
22.54	22.47 22.61	19384	497254	Decachlorobiphenyl	0.040000	509350	
22.65		769					
22.85		201					


Data File: /chem/tracegc82.i/f100601_2C.b/009f0f01010-ARC1.d/009f0f01010-ARC1.cdf
Injection Date: 01-JUN-2010 19:42
Instrument: tracegc82.i
Client Sample ID: TOXAPH3FA
Y (x10^4)
AIA Scientific Software, Inc. 009f0f01010-ARC1.cdf: 15.622 to 21.330 Min
Min
15.687
15.742
15.838
15.957
16.050
16.102
16.222
16.355
16.415
16.555
16.685
16.785
16.893
17.025
17.112
17.230
Toxaphene
17.410
17.483
17.558
17.627
17.732
Toxaphene
18.017
18.072
18.205
18.365
Toxaphene
18.603
Toxaphene
18.718
18.773
18.845
18.893
Toxaphene
19.107
19.217
19.408
19.527
19.598
19.752
19.835
19.985
20.103
20.235
20.338
20.452
20.522
20.678
20.855
21.000
21.078
21.215
21.305

Data File: /chem/tracegc82.i/f100601_2C.b/010f0F01010-ARC2.d

Date : 01-JUN-2010 20:11

Client ID: CHLORO3FA

Sample Info: 0F01010-ARC2

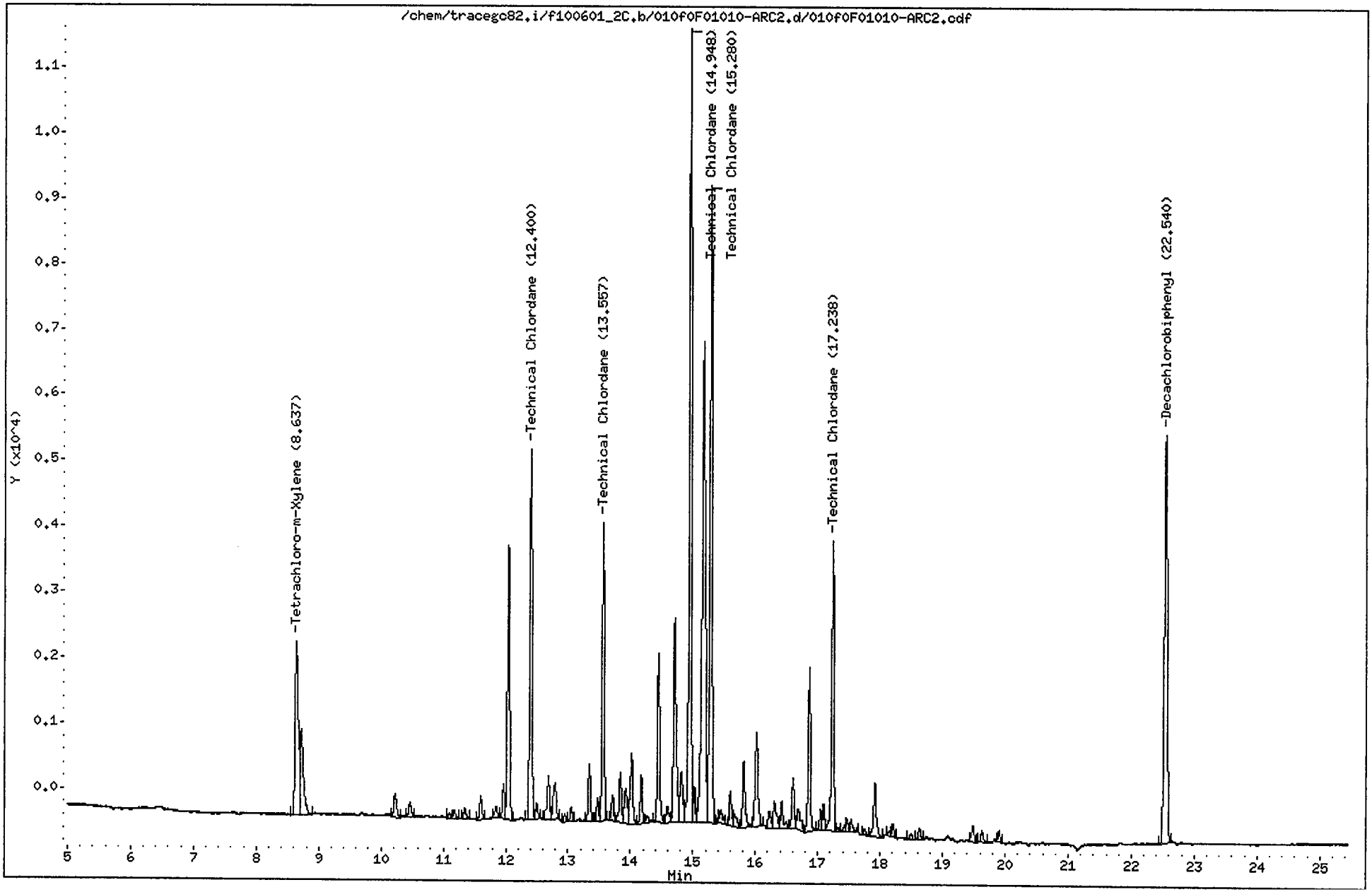
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL

Column diameter: 0.32



CompuChem

Lab Smp Id : 0F01010-ARC2 Client Smp Id : CHLORO3FA
Sample Type : INITIAL CAL: Level 3 Sublist : TechChlor
Inj Date : 01-JUN-2010 20:11 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601_2C.b/8081A_clpest2v6.m
Misc. Info : CHLORO3FA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.33			355					
1.36			17960					
1.94			1315					
2.60			212					
8.64	8.58	8.72	9170	548876	Tetrachloro-m-Xylene	0.020000	525450	
8.71			5046					
10.22			1053					
10.46			618					
11.10			168					
11.17			311					
11.34			456					
11.60			941					
11.84			497					
11.96			1312					
12.04			10517					
12.40	12.33	12.47	13815	34535	TechnicalChlordane Peak 1	0.400000	34535	
12.49			588					
12.69			1925					
12.79			1890					
12.95			232					
13.05			491					
13.34			2121					
13.47			744					
13.56	13.49	13.63	10682	26705	TechnicalChlordane Peak 2	0.400000	26705	
13.71			955					
13.84			2005					
13.92			1742					
14.02			3361					
14.17			1670					
14.27			347					
14.45			6300					
14.59			757					
14.70			9253					
14.81			2662					
14.95	14.88	15.02	29262	73155	TechnicalChlordane Peak 3	0.400000	73155	
15.02			1191					
15.16			26649					
15.28	15.21	15.35	24352	60880	TechnicalChlordane Peak 4	0.400000	60880	
15.40			174					
15.45			649					
15.60			1252					
15.66			778					

CompuChem

Lab Smp Id : 0F01010-ARC2 Client Smp Id : CHLORO3FA
Sample Type : INITIAL CAL: Level 3 Sublist : TechChlor
Inj Date : 01-JUN-2010 20:11 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601_2C.b/8081A_clpest2v6.m
Misc. Info : CHLORO3FA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.81		2858					
16.02		4508					
16.22		754					
16.30		1502					
16.42		1243					
16.60		2057					
16.68		1432					
16.86		6301					
17.05		691					
17.09		945					
17.24	17.17 17.31	11101	27752	TechnicalChlordane Peak 5	0.400000	27753	
17.33		162					
17.43		246					
17.47		414					
17.54		587					
17.75		298					
17.92		2599					
18.15		151					
18.20		486					
18.50		230					
18.63		455					
19.49		684					
19.63		438					
19.91		407					
22.54	22.47 22.61	19935	497254	Decachlorobiphenyl	0.040000	509350	

Data File: /chem/tracegc82.i/f100601_2C.b/011f0F01010-SCV1.d

Date : 01-JUN-2010 20:40

Client ID: PESTCHKFA

Sample Info: 0F01010-SCV1

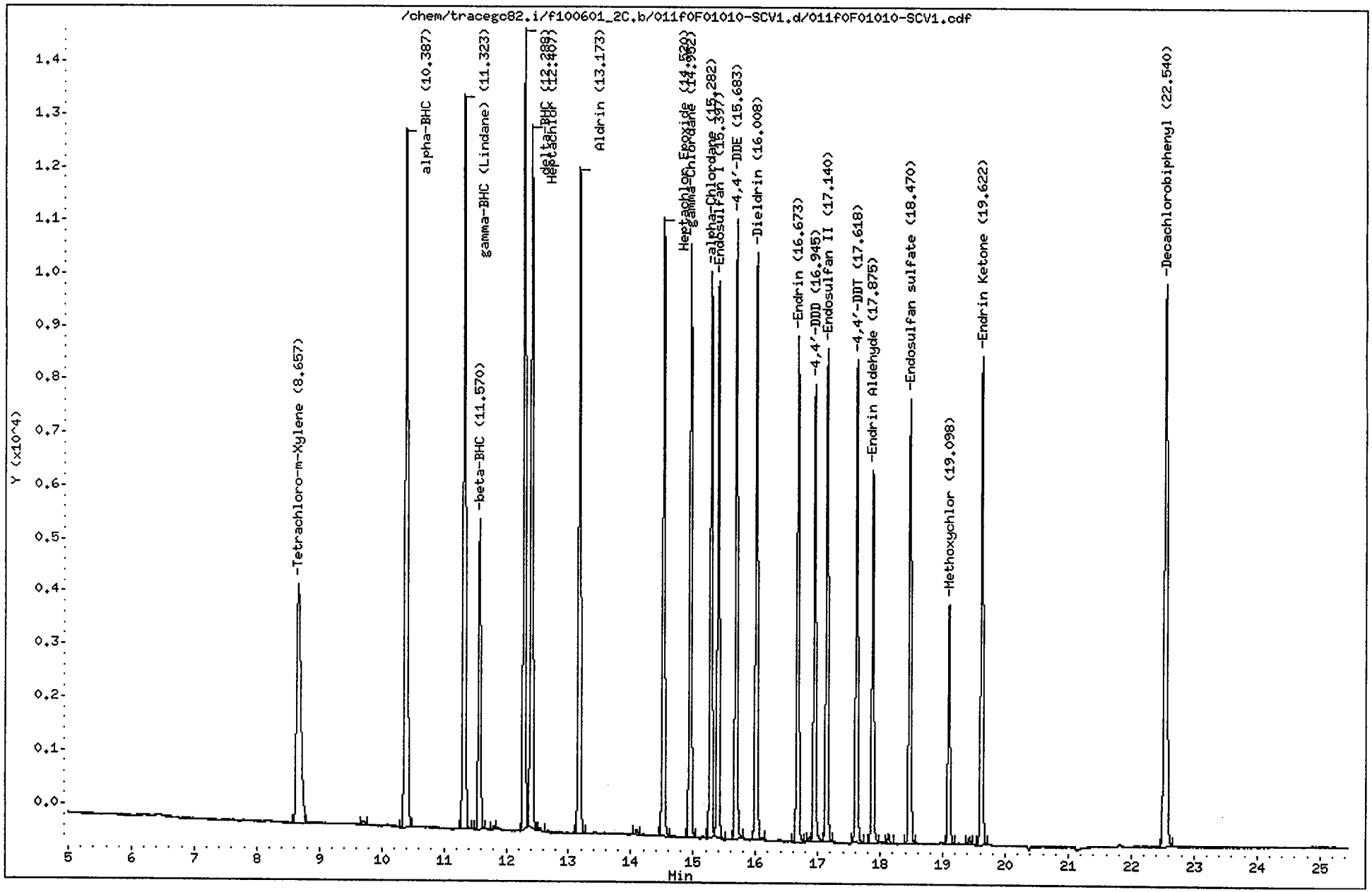
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL

Column diameter: 0.32



CompuChem

Lab Smp Id : 0F01010-SCV1 Client Smp Id : PESTCHKFA
Sample Type : QCCHECK Sublist : INDA
Inj Date : 01-JUN-2010 20:40 Inst ID : TRACEGC82
Operator : BWL Spike Sublist : INDAchek
Method : /chem/tracegc82.i/f100601_2C.b/8081A_clpest2v6.m
Misc. Info : PESTCHKFA

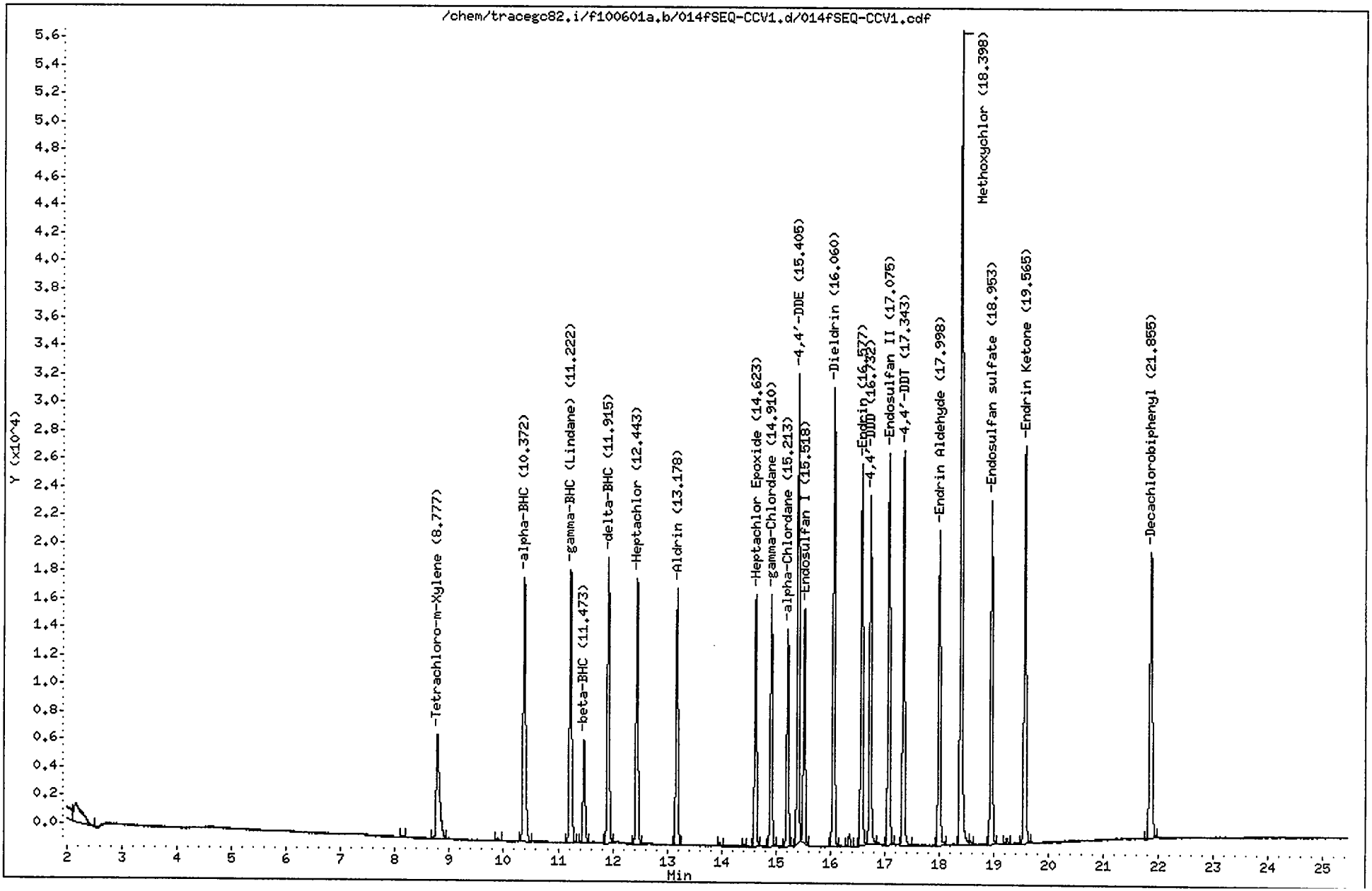
RT	AREA
1.35	610
1.48	53741
2.62	260
8.66	21209
9.71	284
10.39	39278
11.32	35998
11.57	14565
11.80	125
12.29	34904
12.41	33097
12.55	160
13.17	30400
14.10	220
14.52	27205
14.95	25961
15.28	24545
15.40	24824
15.68	26264
16.01	25767
16.67	22769
16.86	134
16.95	19638
17.14	22095
17.62	20589
17.87	16858
18.13	420
18.47	20270
19.10	10422
19.43	245
19.62	22630
22.54	34189

Manual Integrations							
SDG:							
Sample(s)	0F01010-ARC1						
Compound							
alpha-BHC							
gamma-BHC							
beta-BHC							
delta-BHC							
Heptachlor							
Aldrin							
Heptachlor Epoxide							
gamma-Chlordane							
alpha-Chlordane							
Endosulfan I							
4,4'-DDE							
Dieldrin							
Endrin							
4,4'-DDD							
Endosulfan II							
4,4'-DDT							
Endrin Aldehyde							
Endosulfan sulfate							
Methoxychlor							
Endrin Ketone							
Toxaphene	x						
Technical Chordane							
Tetrachloro-m-xylene							
Decachlorbiphenyl							
"X" Denotes a manual integration for the compound							

Data File: /chem/tracegc82.i/f100601a.b/014fSEQ-CCV1.d
Date : 01-JUN-2010 22:07
Client ID: INDC3FD
Sample Info: SEQ-CCV1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV1 Client Smp Id : INDC3FD
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 01-JUN-2010 22:07 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601a.b/8081A_clpestv6.m
Misc. Info : INDC3FD

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.35			45918								
1.98			9039								
2.16			14581								
8.13			326								
8.78	8.73	8.87	30924	1587700	Tetrachloro-m-Xylene	0.020000	1546220	2.6	20.0		
9.89			668								
10.37	10.32	10.46	58351	3028788	alpha-BHC	0.020000	2917530	3.7	20.0		
11.22	11.16	11.30	54391	2817265	gamma-BHC (Lindane)	0.020000	2719535	3.5	20.0		
11.47	11.41	11.55	19778	1035150	beta-BHC	0.020000	988885	4.5	20.0		
11.92	11.85	11.99	52872	2721052	delta-BHC	0.020000	2643610	2.8	20.0		
12.44	12.38	12.52	49714	2589888	Heptachlor	0.020000	2485683	4.0	20.0		
13.18	13.11	13.25	46100	2391920	Aldrin	0.020000	2305015	3.6	20.0		
13.96			541								
14.41			317								
14.62	14.56	14.70	43310	2235460	Heptachlor Epoxide	0.020000	2165492	3.1	20.0		
14.91	14.84	14.98	43184	2245768	gamma-Chlordane	0.020000	2159205	3.9	20.0		
15.21	15.15	15.29	37445	1924148	alpha-Chlordane	0.020000	1872265	2.7	20.0		
15.40	15.34	15.48	76780	2012896	4,4'-DDE	0.040000	1919503	4.6	20.0		
15.52	15.45	15.59	39645	2067970	Endosulfan I	0.020000	1982260	4.1	20.0		
16.06	15.99	16.13	79718	2037205	Dieldrin	0.040000	1992954	2.2	20.0		
16.35			2109								
16.58	16.51	16.65	67393	1695798	Endrin	0.040000	1684814	0.6	20.0		
16.73	16.66	16.80	60364	1534440	4,4'-DDD	0.040000	1509110	1.7	20.0		
17.08	17.01	17.15	70268	1759840	Endosulfan II	0.040000	1756707	0.2	20.0		
17.34	17.27	17.41	68329	1722489	4,4'-DDT	0.040000	1708226	0.8	20.0		
18.00	17.93	18.07	56881	1371845	Endrin Aldehyde	0.040000	1422035	-3.7	20.0		
18.40	18.33	18.47	146498	731447	Methoxychlor	0.200000	732491	-0.1	20.0		
18.58			831								
18.95	18.89	19.03	62525	1574194	Endosulfan sulfate	0.040000	1563136	0.7	20.0		
19.23			985								
19.56	19.49	19.63	74537	1849761	Endrin Ketone	0.040000	1863425	-0.7	20.0		
21.86	21.79	21.93	66091	1622138	Decachlorobiphenyl	0.040000	1652282	-1.9	20.0		

Data File: /chem/tracegc82.i/f100601a.b/015fSEQ-PEM1.d

Date : 01-JUN-2010 22:36

Client ID: PEMFD

Sample Info: SEQ-PEM1

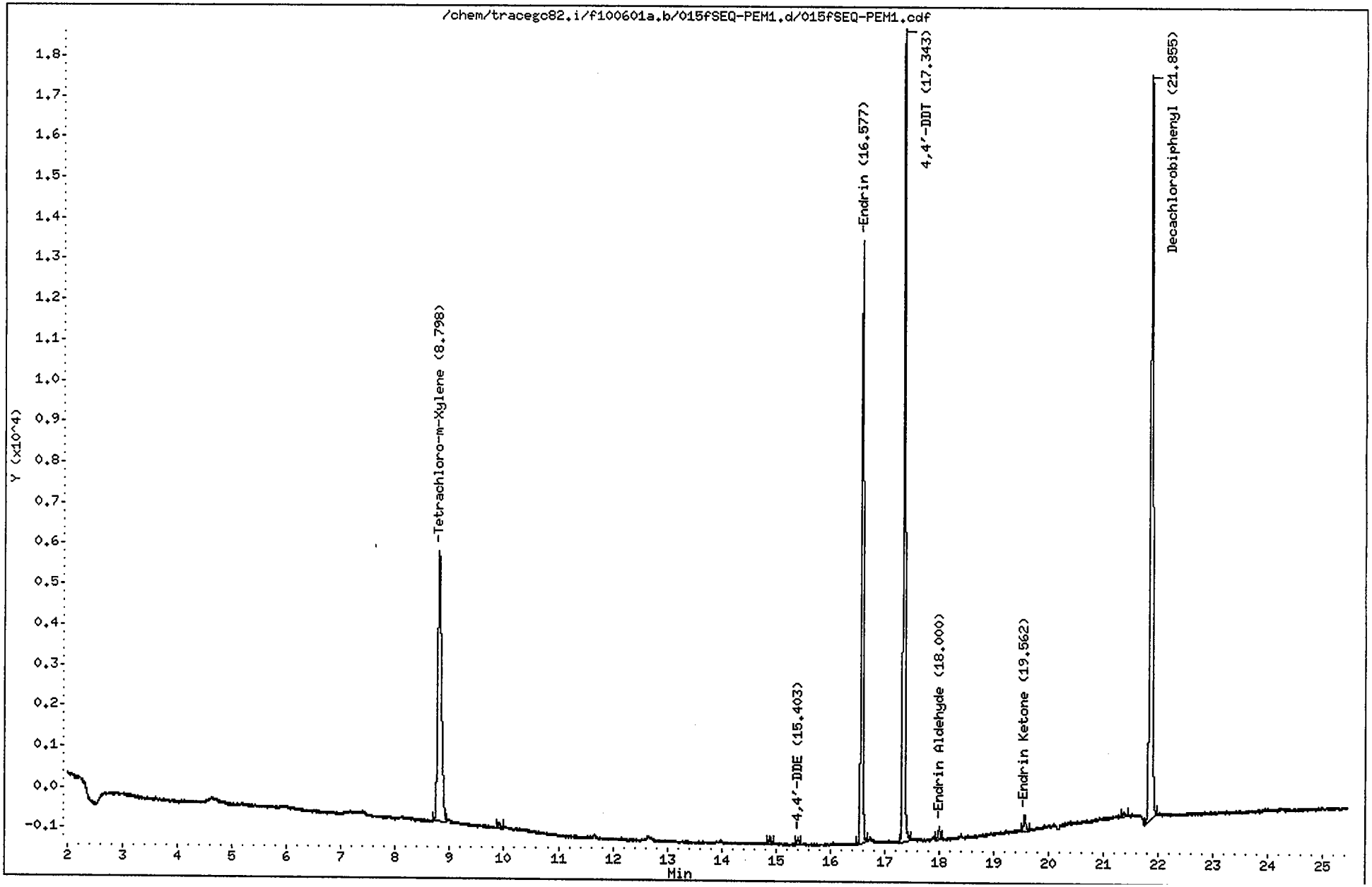
Volume Injected (uL): 1.0

Column phase: olpest

Instrument: tracegc82.i

Operator: BWL

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM1 Client Smp Id : PEMFD
Sample Type : SAMPLE Sublist : PEM
Inj Date : 01-JUN-2010 22:36 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601a.b/8081A_clpestv6.m
Misc. Info : PEMFD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.37			1644								
1.44			31149								
8.80	8.73	8.87	31424	1587700	Tetrachloro-m-Xylene	0.019792	0.019792		100.0	43 - 135	
9.91			474								
14.88			529								
15.40	15.34	15.48	414	2012896	4,4'-DDE	0.000206	0.000206	0.020000			J
16.58	16.51	16.65	37008	1695798	Endrin	0.021823	0.021823	0.020000			
17.34	17.27	17.41	49421	1722489	4,4'-DDT	0.028692	0.028692	0.020000			
18.00	17.93	18.07	805	1371845	Endrin Aldehyde	0.000587	0.000587	0.020000			J
19.56	19.49	19.63	1241	1849761	Endrin Ketone	0.000671	0.000671	0.020000			J
21.36			346								
21.86	21.79	21.93	60347	1622138	Decachlorobiphenyl	0.037202	0.037202		93.9	43 - 144	

Data File: /chem/tracegc82.i/f100601a_2C.b/014fSEQ-CCV1.d

Date : 01-JUN-2010 22:07

Client ID: INDC3FD

Sample Info: SEQ-CCV1

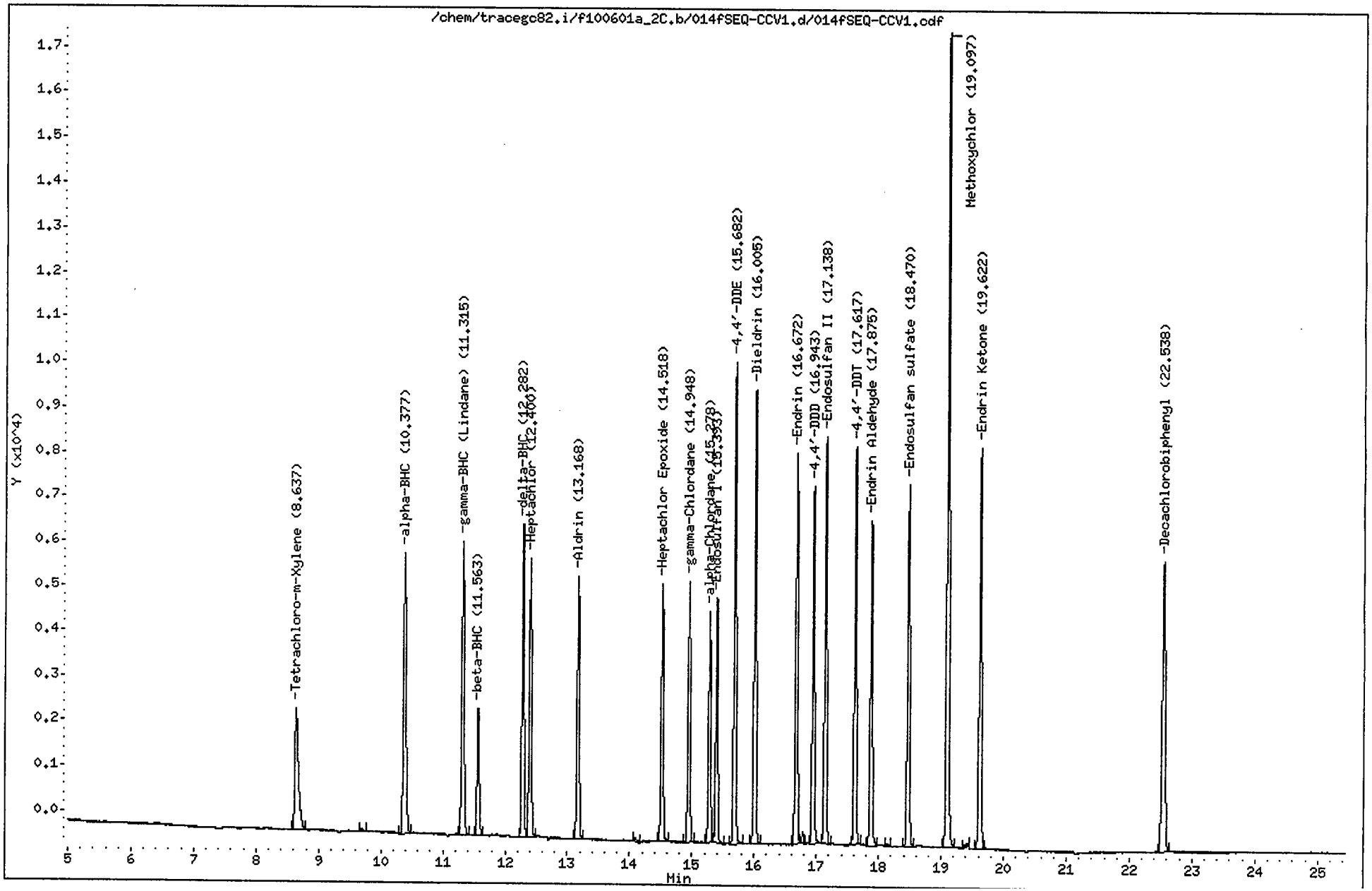
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL

Column diameter: 0.32



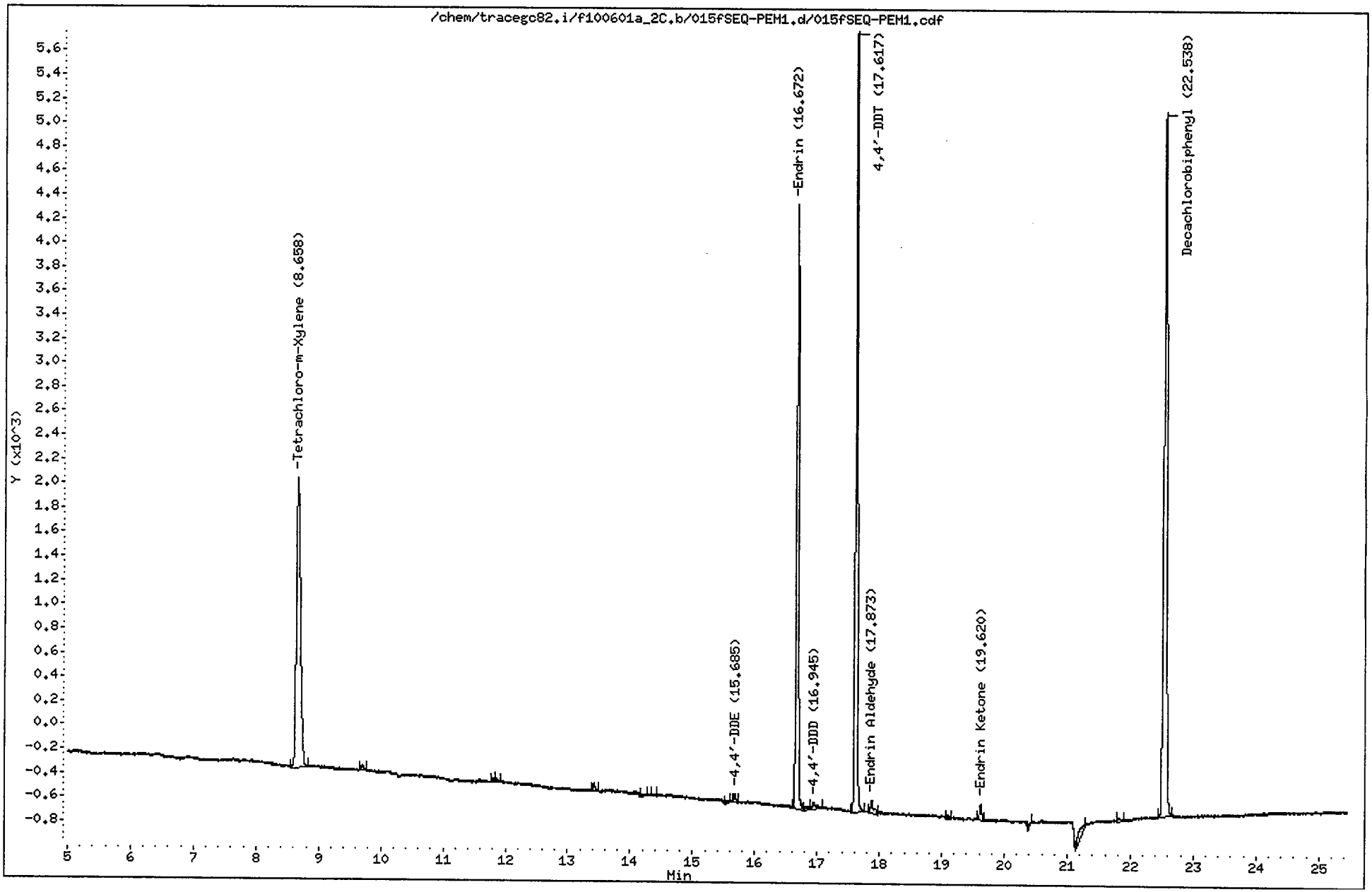
CompuChem

Lab Smp Id : SEQ-CCV1 Client Smp Id : INDC3FD
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 01-JUN-2010 22:07 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601a_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3FD

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.33			314								
1.36			4540								
1.77			1216								
1.94			2163								
2.67			534								
8.64	8.59	8.73	10689	548876	Tetrachloro-m-Xylene	0.020000	534435	2.6	20.0		
9.69			139								
10.38	10.32	10.46	17683	916452	alpha-BHC	0.020000	884130	3.5	20.0		
11.32	11.25	11.39	16798	866882	gamma-BHC (Lindane)	0.020000	839925	3.1	20.0		
11.56	11.50	11.64	6815	347428	beta-BHC	0.020000	340735	1.9	20.0		
12.28	12.22	12.36	15943	827595	delta-BHC	0.020000	797137	3.7	20.0		
12.40	12.33	12.47	15182	778205	Heptachlor	0.020000	759123	2.5	20.0		
13.17	13.10	13.24	14096	726628	Aldrin	0.020000	704780	3.0	20.0		
14.09			249								
14.52	14.45	14.59	13407	683115	Heptachlor Epoxide	0.020000	670355	1.9	20.0		
14.95	14.88	15.02	13521	690205	gamma-Chlordane	0.020000	676048	2.1	20.0		
15.28	15.21	15.35	11669	595455	alpha-Chlordane	0.020000	583475	2.0	20.0		
15.39	15.33	15.47	12700	638725	Endosulfan I	0.020000	634995	0.6	20.0		
15.68	15.61	15.75	24122	617325	4,4'-DDE	0.040000	603055	2.3	20.0		
16.00	15.94	16.08	23526	598394	Dieldrin	0.040000	588156	1.7	20.0		
16.67	16.60	16.74	20906	524785	Endrin	0.040000	522649	0.4	20.0		
16.78			521								
16.94	16.87	17.01	18112	454222	4,4'-DDD	0.040000	452805	0.3	20.0		
17.14	17.07	17.21	21250	526756	Endosulfan II	0.040000	531255	-0.9	20.0		
17.62	17.55	17.69	20144	503765	4,4'-DDT	0.040000	503603	0.0	20.0		
17.88	17.81	17.95	17652	425754	Endrin Aldehyde	0.040000	441310	-3.7	20.0		
18.13			134								
18.47	18.40	18.54	19467	479624	Endosulfan sulfate	0.040000	486675	-1.5	20.0		
19.10	19.03	19.17	42170	208391	Methoxychlor	0.200000	210849	-1.2	20.0		
19.38			263								
19.62	19.55	19.69	21974	535815	Endrin Ketone	0.040000	549358	-2.5	20.0		
22.54	22.47	22.61	20875	497254	Decachlorobiphenyl	0.040000	521878	-5.0	20.0		

Data File: /chem/tracegc82.i/f100601a_2C.b/015fSEQ-PEM1.d
Date : 01-JUN-2010 22:36
Client ID: PEMFD
Sample Info: SEQ-PEM1
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM1 Client Smp Id : PEMFD
Sample Type : SAMPLE Sublist : PEM
Inj Date : 01-JUN-2010 22:36 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601a_2C.b/8081A_clpest2v6.m
Misc. Info : PEMFD

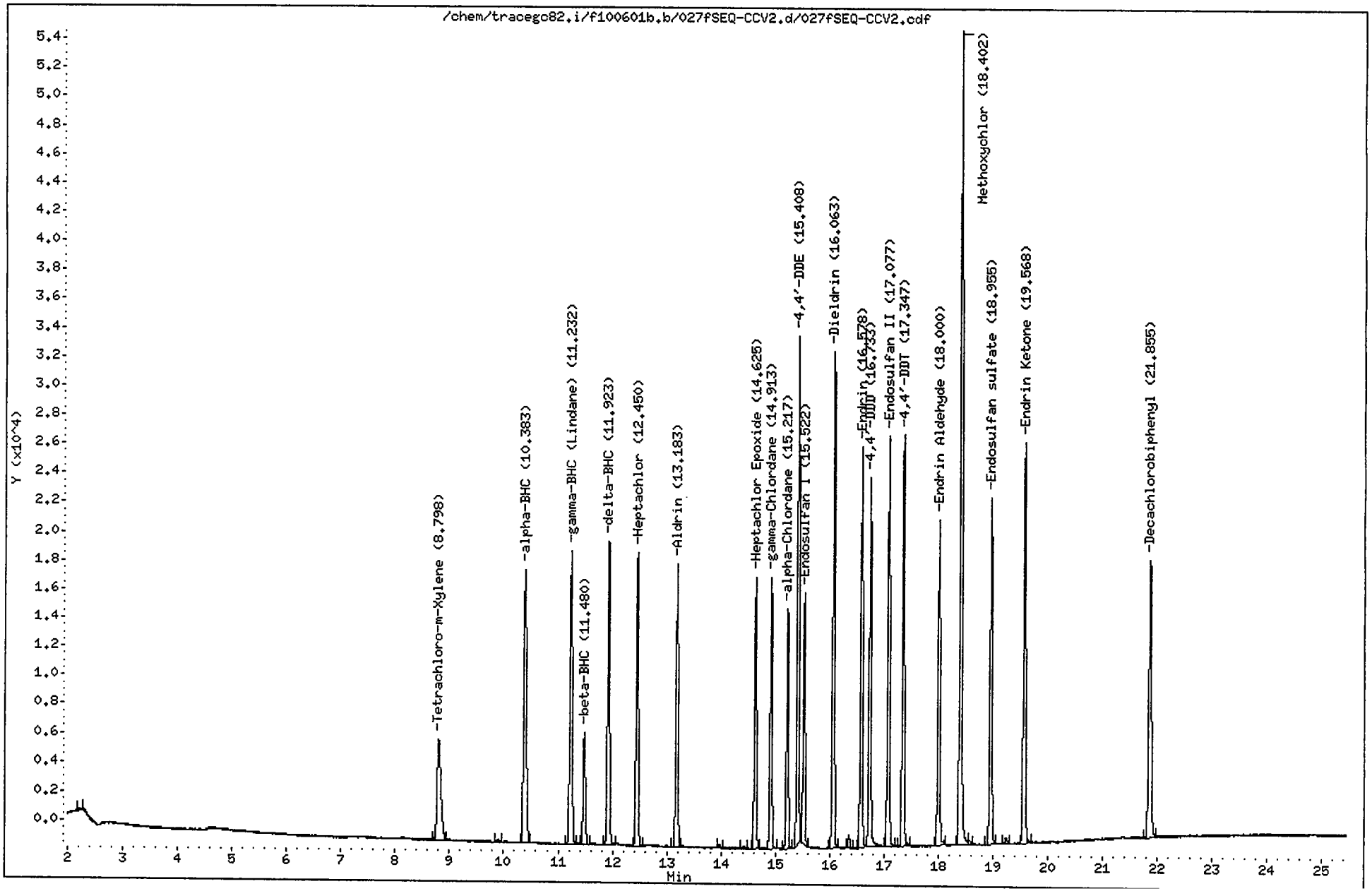
Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.25		75								
1.35		851								
1.48		58299								
2.62		385								
4.27		47								
8.66	8.59 8.73	11044	548876	Tetrachloro-m-Xylene	0.020121	0.020121		101.6	43 - 135	
9.70		122								
11.81		74								
11.87		87								
13.41		184								
14.19		63								
14.38		48								
15.55		50								
15.68	15.61 15.75	145	617325	4,4'-DDE	0.000235	0.000235	0.020000			J
16.67	16.60 16.74	12061	524785	Endrin	0.022984	0.022984	0.020000			
16.82		149								
16.94	16.87 17.01	238	454222	4,4'-DDD	0.000523	0.000523	0.020000			J
17.62	17.55 17.69	14986	503765	4,4'-DDT	0.029748	0.029748	0.020000			
17.87	17.81 17.95	367	425754	Endrin Aldehyde	0.000861	0.000861	0.020000			J
19.09		59								
19.62	19.55 19.69	326	535815	Endrin Ketone	0.000608	0.000608	0.020000			J
20.42		45								
21.28		432								
21.82		98								
22.54	22.47 22.61	19059	497254	Decachlorobiphenyl	0.038328	0.038328		96.8	43 - 144	

Data File: /chem/tracegc82.i/f100601b.b/027fSEQ-CCV2.d
Date : 02-JUN-2010 04:26
Client ID: INDC3FF
Sample Info: SEQ-CCV2
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

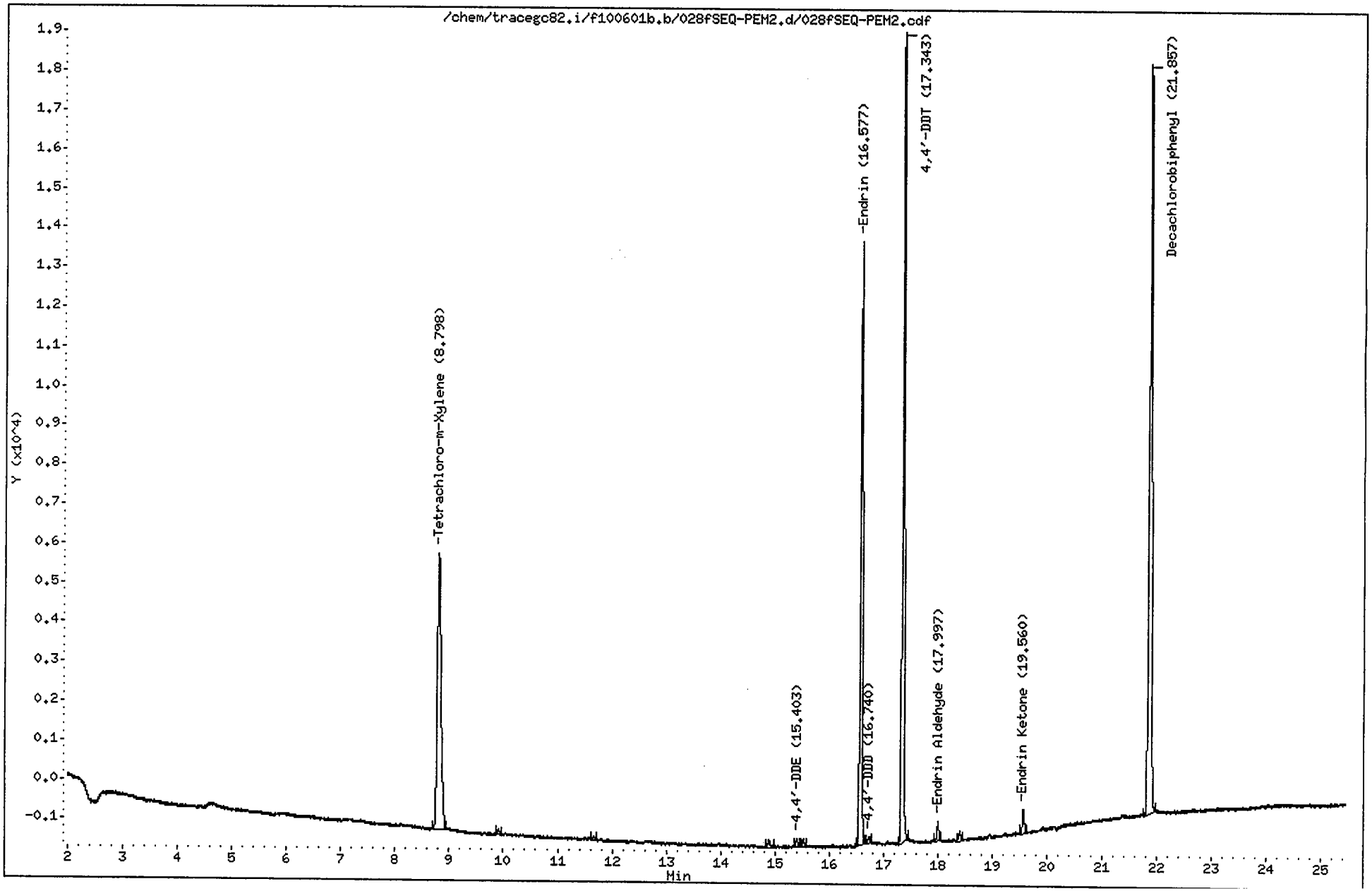
Lab Smp Id : SEQ-CCV2 Client Smp Id : INDC3FF
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 02-JUN-2010 04:26 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601b.b/8081A_clpestv6.m
Misc. Info : INDC3FF

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
0.03			422								
1.05			313								
1.33			356								
1.37			1013								
1.46			35593								
2.22			365								
8.80	8.73	8.87	33729	1587700	Tetrachloro-m-Xylene	0.020000	1686450	-6.2	20.0		
9.91			560								
10.38	10.32	10.46	63242	3028788	alpha-BHC	0.020000	3162085	-4.4	20.0		
11.23	11.16	11.30	58930	2817265	gamma-BHC (Lindane)	0.020000	2946480	-4.6	20.0		
11.48	11.41	11.55	21327	1035150	beta-BHC	0.020000	1066330	-3.0	20.0		
11.92	11.85	11.99	56335	2721052	delta-BHC	0.020000	2816755	-3.5	20.0		
12.45	12.38	12.52	54083	2589888	Heptachlor	0.020000	2704150	-4.4	20.0		
13.18	13.11	13.25	50000	2391920	Aldrin	0.020000	2500007	-4.5	20.0		
13.97			661								
14.41			413								
14.62	14.56	14.70	46102	2235460	Heptachlor Epoxide	0.020000	2305075	-3.1	20.0		
14.91	14.84	14.98	46029	2245768	gamma-Chlordane	0.020000	2301475	-2.5	20.0		
15.22	15.15	15.29	39863	1924148	alpha-Chlordane	0.020000	1993130	-3.6	20.0		
15.41	15.34	15.48	81063	2012896	4,4'-DDE	0.040000	2026572	-0.7	20.0		
15.52	15.45	15.59	41886	2067970	Endosulfan I	0.020000	2094317	-1.3	20.0		
16.06	15.99	16.13	83083	2037205	Dieldrin	0.040000	2077066	-2.0	20.0		
16.35			2085								
16.58	16.51	16.65	68053	1695798	Endrin	0.040000	1701325	-0.3	20.0		
16.73	16.66	16.80	62793	1534440	4,4'-DDD	0.040000	1569820	-2.3	20.0		
17.08	17.01	17.15	70449	1759840	Endosulfan II	0.040000	1761235	-0.1	20.0		
17.35	17.27	17.41	69195	1722489	4,4'-DDT	0.040000	1729872	-0.4	20.0		
18.00	17.93	18.07	56067	1371845	Endrin Aldehyde	0.040000	1401682	-2.2	20.0		
18.40	18.33	18.47	142567	731447	Methoxychlor	0.200000	712837	2.5	20.0		
18.57			824								
18.96	18.89	19.03	61468	1574194	Endosulfan sulfate	0.040000	1536694	2.4	20.0		
19.23			1010								
19.57	19.49	19.63	73105	1849761	Endrin Ketone	0.040000	1827635	1.2	20.0		
21.86	21.79	21.93	61727	1622138	Decachlorobiphenyl	0.040000	1543165	4.9	20.0		

Data File: /chem/tracegc82.i/f100601b.b/028fSEQ-PEM2.d
Date : 02-JUN-2010 04:55
Client ID: PEMFF
Sample Info: SEQ-PEM2
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM2 Client Smp Id : PEMFF
Sample Type : SAMPLE Sublist : PEM
Inj Date : 02-JUN-2010 04:55 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601b.b/8081A_clpestv6.m
Misc. Info : PEMFF

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.37			2133								
1.43			31948								
8.80	8.73	8.87	33716	1587700	Tetrachloro-m-Xylene	0.021236	0.021236		107.3	43 - 135	
9.90			467								
11.65			322								
14.88			658								
15.40	15.34	15.48	549	2012896	4,4'-DDE	0.000273	0.000273	0.020000			J
15.53			525								
16.58	16.51	16.65	38009	1695798	Endrin	0.022414	0.022414	0.020000			
16.74	16.66	16.80	401	1534440	4,4'-DDD	0.000261	0.000261	0.020000			J
17.34	17.27	17.41	50788	1722489	4,4'-DDT	0.029485	0.029485	0.020000			
18.00	17.93	18.07	1163	1371845	Endrin Aldehyde	0.000848	0.000848	0.020000			J
18.41			678								
19.56	19.49	19.63	1669	1849761	Endrin Ketone	0.000902	0.000902	0.020000			J
21.86	21.79	21.93	61624	1622138	Decachlorobiphenyl	0.037989	0.037989		95.9	43 - 144	

Data File: /chem/tracegc82.i/f100601b_2C.b/027fSEQ-CCV2.d

Date : 02-JUN-2010 04:26

Client ID: INDC3FF

Sample Info: SEQ-CCV2

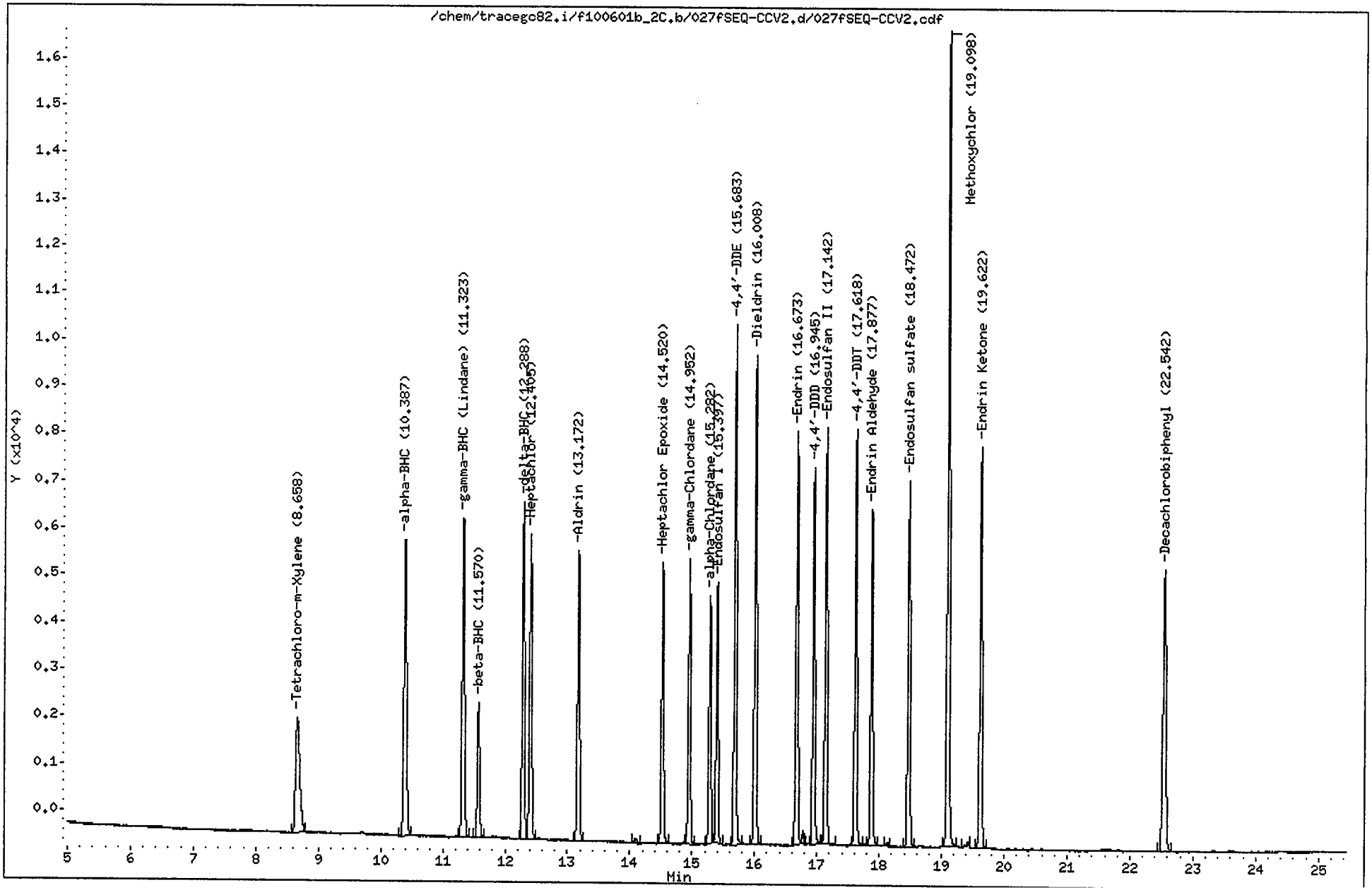
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL

Column diameter: 0.32



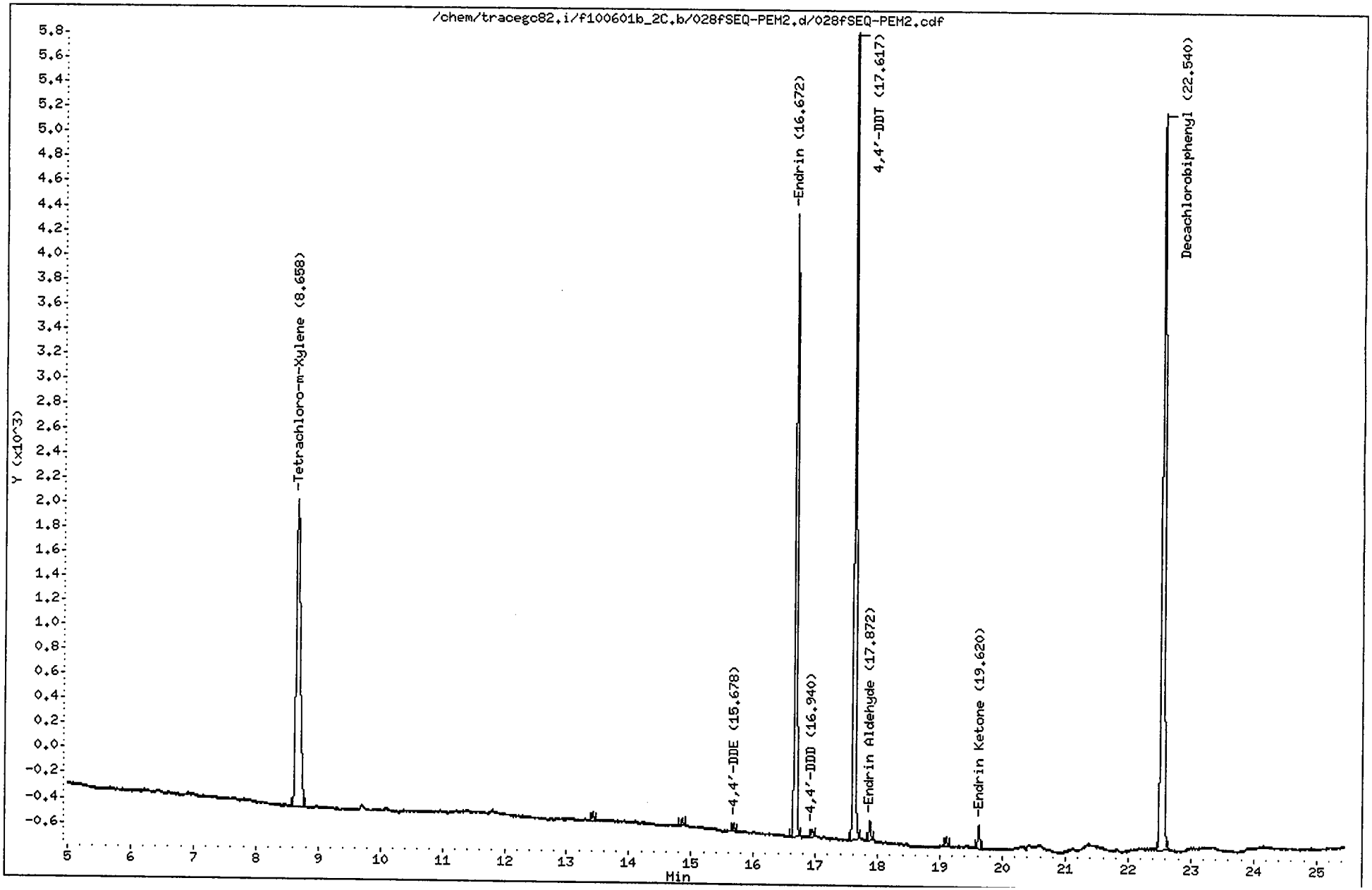
CompuChem

Lab Smp Id : SEQ-CCV2 Client Smp Id : INDC3FF
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 02-JUN-2010 04:26 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601b_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3FF

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.35			468								
1.50			72001								
8.66	8.59	8.73	11401	548876	Tetrachloro-m-Xylene	0.020000	570033	-3.9	20.0		
10.39	10.32	10.46	18794	916452	alpha-BHC	0.020000	939707	-2.5	20.0		
11.32	11.25	11.39	17803	866882	gamma-BHC (Lindane)	0.020000	890140	-2.7	20.0		
11.57	11.50	11.64	7200	347428	beta-BHC	0.020000	360020	-3.6	20.0		
12.29	12.22	12.36	16679	827595	delta-BHC	0.020000	833950	-0.8	20.0		
12.40	12.33	12.47	16099	778205	Heptachlor	0.020000	804927	-3.4	20.0		
13.17	13.10	13.24	14862	726628	Aldrin	0.020000	743117	-2.3	20.0		
14.10			229								
14.52	14.45	14.59	13940	683115	Heptachlor Epoxide	0.020000	697023	-2.0	20.0		
14.95	14.88	15.02	13990	690205	gamma-Chlordane	0.020000	699495	-1.3	20.0		
15.28	15.21	15.35	12100	595455	alpha-Chlordane	0.020000	605003	-1.6	20.0		
15.40	15.33	15.47	12987	638725	Endosulfan I	0.020000	649357	-1.7	20.0		
15.68	15.61	15.75	24898	617325	4,4'-DDE	0.040000	622450	-0.8	20.0		
16.01	15.94	16.08	24039	598394	Dieldrin	0.040000	600963	-0.4	20.0		
16.67	16.60	16.74	20704	524785	Endrin	0.040000	517595	1.4	20.0		
16.78			553								
16.94	16.87	17.01	18034	454222	4,4'-DDD	0.040000	450861	0.7	20.0		
17.14	17.07	17.21	20925	526756	Endosulfan II	0.040000	523130	0.7	20.0		
17.62	17.55	17.69	19948	503765	4,4'-DDT	0.040000	498708	1.0	20.0		
17.88	17.81	17.95	17042	425754	Endrin Aldehyde	0.040000	426045	-0.1	20.0		
18.14			194								
18.47	18.40	18.54	18752	479624	Endosulfan sulfate	0.040000	468795	2.3	20.0		
19.10	19.03	19.17	40367	208391	Methoxychlor	0.200000	201835	3.1	20.0		
19.38			252								
19.62	19.55	19.69	21055	535815	Endrin Ketone	0.040000	526385	1.8	20.0		
22.54	22.47	22.61	19393	497254	Decachlorobiphenyl	0.040000	484833	2.5	20.0		

Data File: /chem/tracegc82.i/f100601b_2C.b/028fSEQ-PEM2.d
Date : 02-JUN-2010 04:55
Client ID: PEMFF
Sample Info: SEQ-PEM2
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM2 Client Smp Id : PEMFF
Sample Type : SAMPLE Sublist : PEM
Inj Date : 02-JUN-2010 04:55 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601b_2C.b/8081A_clpest2v6.m
Misc. Info : PEMFF

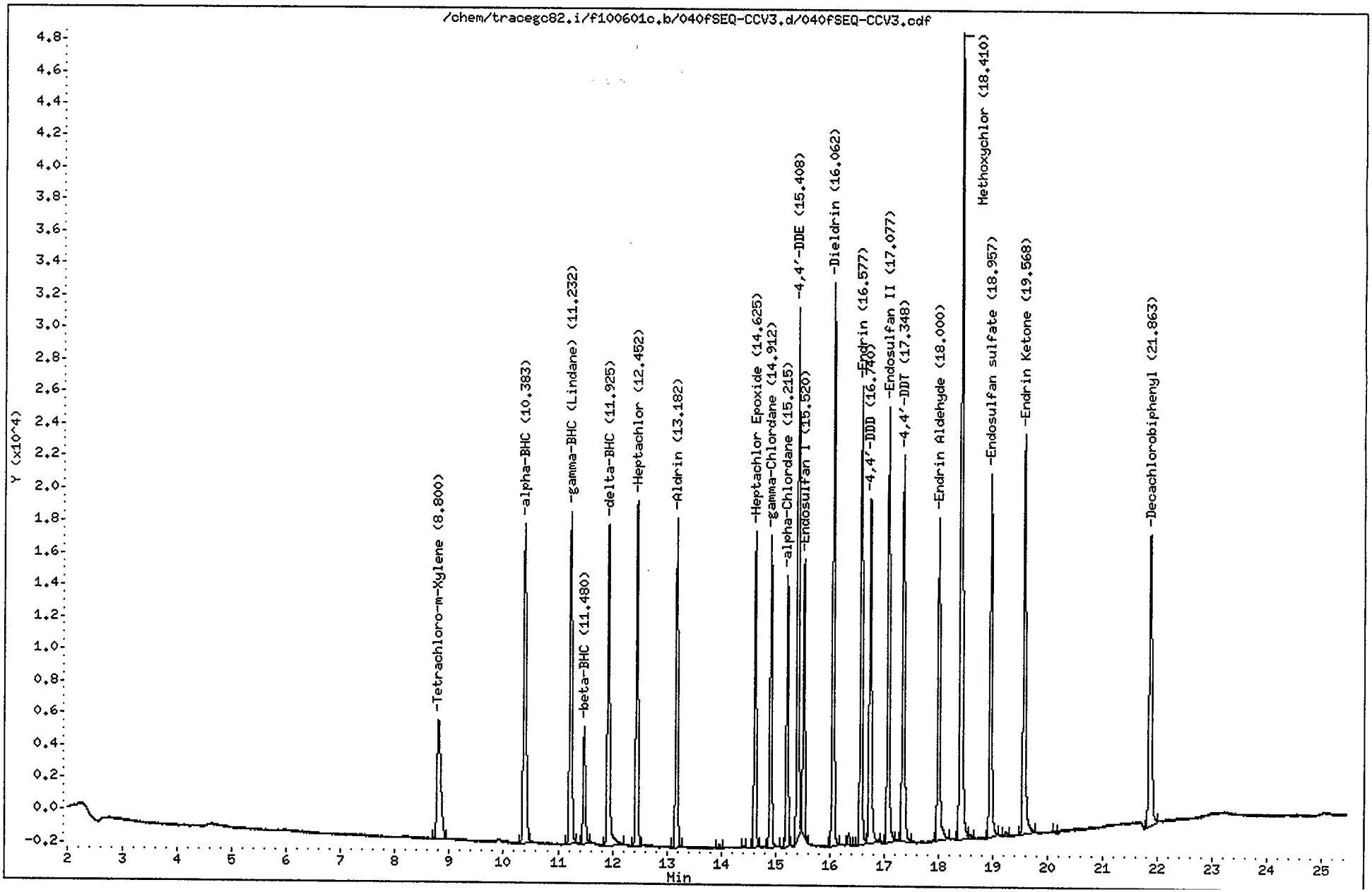
Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.34			449								
1.48			58378								
2.60			450								
8.66	8.59	8.73	11477	548876	Tetrachloro-m-Xylene	0.020910	0.020910		105.6	43 - 135	
13.42			166								
14.86			148								
15.68	15.61	15.75	153	617325	4,4'-DDE	0.000247	0.000247	0.020000			J
16.67	16.60	16.74	11944	524785	Endrin	0.022759	0.022759	0.020000			
16.94	16.87	17.01	162	454222	4,4'-DDD	0.000357	0.000357	0.020000			J
17.62	17.55	17.69	15044	503765	4,4'-DDT	0.029863	0.029863	0.020000			
17.87	17.81	17.95	351	425754	Endrin Aldehyde	0.000825	0.000825	0.020000			J
19.10			165								
19.62	19.55	19.69	476	535815	Endrin Ketone	0.000888	0.000888	0.020000			J
22.54	22.47	22.61	19147	497254	Decachlorobiphenyl	0.038505	0.038505		97.2	43 - 144	

Data File: /chem/tracegc82.i/f100601c.b/040fSEQ-CCV3.d
Date : 02-JUN-2010 10:44
Client ID: INDC3FH
Sample Info: SEQ-CCV3
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



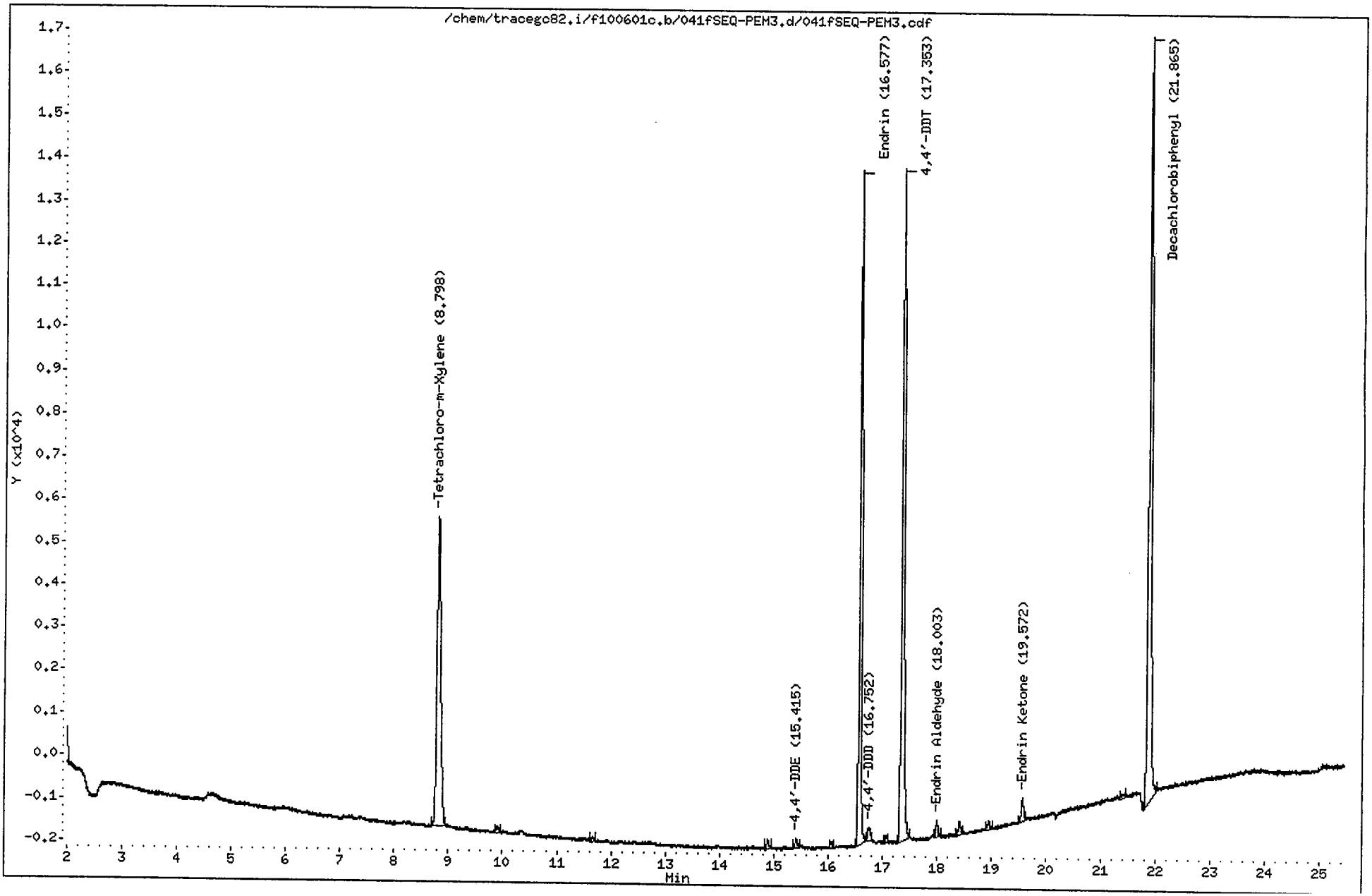
CompuChem

Lab Smp Id : SEQ-CCV3 Client Smp Id : INDC3FH
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 02-JUN-2010 10:44 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601c.b/8081A_clpestv6.m
Misc. Info : INDC3FH

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.26			613								
1.35			2866								
1.45			42244								
8.80	8.73	8.87	35441	1587700	Tetrachloro-m-Xylene	0.020000	1772045	-11.6	20.0		
10.38	10.32	10.46	66419	3028788	alpha-BHC	0.020000	3320940	-9.6	20.0		
11.23	11.16	11.30	61166	2817265	gamma-BHC (Lindane)	0.020000	3058305	-8.6	20.0		
11.48	11.41	11.55	20934	1035150	beta-BHC	0.020000	1046692	-1.1	20.0		
11.92	11.85	11.99	59250	2721052	delta-BHC	0.020000	2962520	-8.9	20.0		
12.45	12.38	12.52	56895	2589888	Heptachlor	0.020000	2844765	-9.8	20.0		
13.18	13.11	13.25	52213	2391920	Aldrin	0.020000	2610640	-9.1	20.0		
13.97			595								
14.41			301								
14.62	14.56	14.70	47329	2235460	Heptachlor Epoxide	0.020000	2366445	-5.9	20.0		
14.91	14.84	14.98	47588	2245768	gamma-Chlordane	0.020000	2379410	-6.0	20.0		
15.22	15.15	15.29	40162	1924148	alpha-Chlordane	0.020000	2008112	-4.4	20.0		
15.41	15.34	15.48	80584	2012896	4,4'-DDE	0.040000	2014605	-0.1	20.0		
15.52	15.45	15.59	41106	2067970	Endosulfan I	0.020000	2055280	0.6	20.0		
16.06	15.99	16.13	85111	2037205	Dieldrin	0.040000	2127764	-4.4	20.0		
16.35			2029								
16.58	16.51	16.65	72173	1695798	Endrin	0.040000	1804313	-6.4	20.0		
16.74	16.66	16.80	64218	1534440	4,4'-DDD	0.040000	1605439	-4.6	20.0		
17.08	17.01	17.15	70219	1759840	Endosulfan II	0.040000	1755484	0.2	20.0		
17.35	17.27	17.41	68476	1722489	4,4'-DDT	0.040000	1711901	0.6	20.0		
18.00	17.93	18.07	56181	1371845	Endrin Aldehyde	0.040000	1404537	-2.4	20.0		
18.41	18.33	18.47	146627	731447	Methoxychlor	0.200000	733136	-0.2	20.0		
18.59			863								
18.96	18.89	19.03	60901	1574194	Endosulfan sulfate	0.040000	1522526	3.3	20.0		
19.25			805								
19.57	19.49	19.63	72892	1849761	Endrin Ketone	0.040000	1822297	1.5	20.0		
20.12			391								
21.86	21.79	21.93	63655	1622138	Decachlorobiphenyl	0.040000	1591382	1.9	20.0		

Data File: /chem/tracegc82.i/f100601c.b/041fSEQ-PEM3.d
Date : 02-JUN-2010 11:13
Client ID: PEMFH
Sample Info: SEQ-PEM3
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM3 Client Smp Id : PEMFH
Sample Type : SAMPLE Sublist : PEM
Inj Date : 02-JUN-2010 11:13 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601c.b/8081A_clpestv6.m
Misc. Info : PEMFH

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

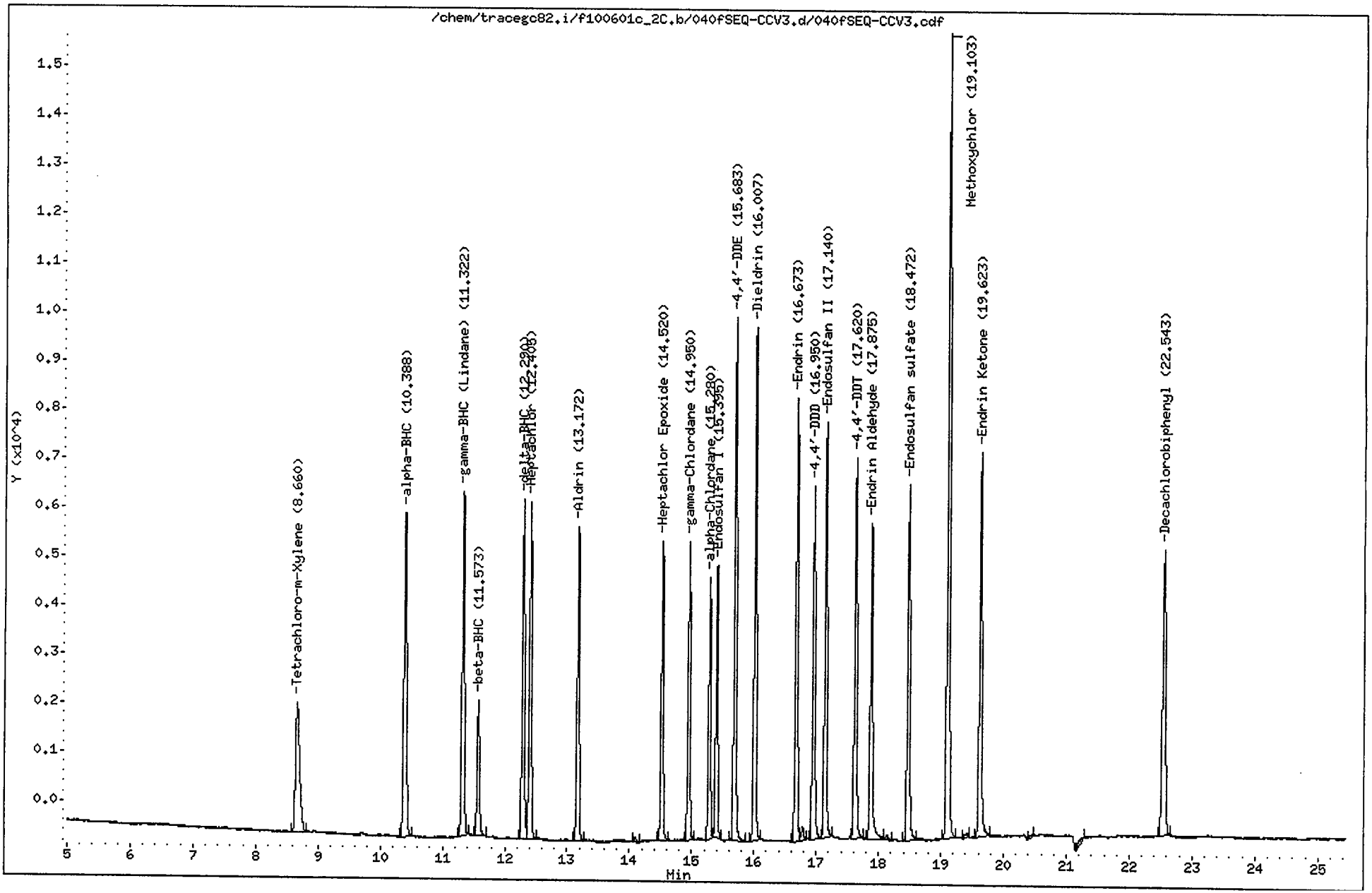
DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.38			2060								
1.44			31577								
8.80	8.73	8.87	34771	1587700	Tetrachloro-m-Xylene	0.021900	0.021900		110.6	43 - 135	
9.91			518								
11.66			293								
14.89			608								
15.42	15.34	15.48	640	2012896	4,4'-DDE	0.000318	0.000318	0.020000			J
16.07			342								
16.58	16.51	16.65	39767	1695798	Endrin	0.023451	0.023451	0.020000			
16.75	16.66	16.80	1096	1534440	4,4'-DDD	0.000714	0.000714	0.020000			J
17.08			430								
17.35	17.27	17.41	49829	1722489	4,4'-DDT	0.028929	0.028929	0.020000			
18.00	17.93	18.07	1005	1371845	Endrin Aldehyde	0.000733	0.000733	0.020000			J
18.41			966								
18.95			606								
19.57	19.49	19.63	1556	1849761	Endrin Ketone	0.000841	0.000841	0.020000			J
21.39			455								
21.86	21.79	21.93	63360	1622138	Decachlorobiphenyl	0.039059	0.039059		98.6	43 - 144	

Data File: /chem/tracegc82.i/f100601c_2C.b/040fSEQ-CCV3.d
Date : 02-JUN-2010 10:44
Client ID: INDC3FH
Sample Info: SEQ-CCV3
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



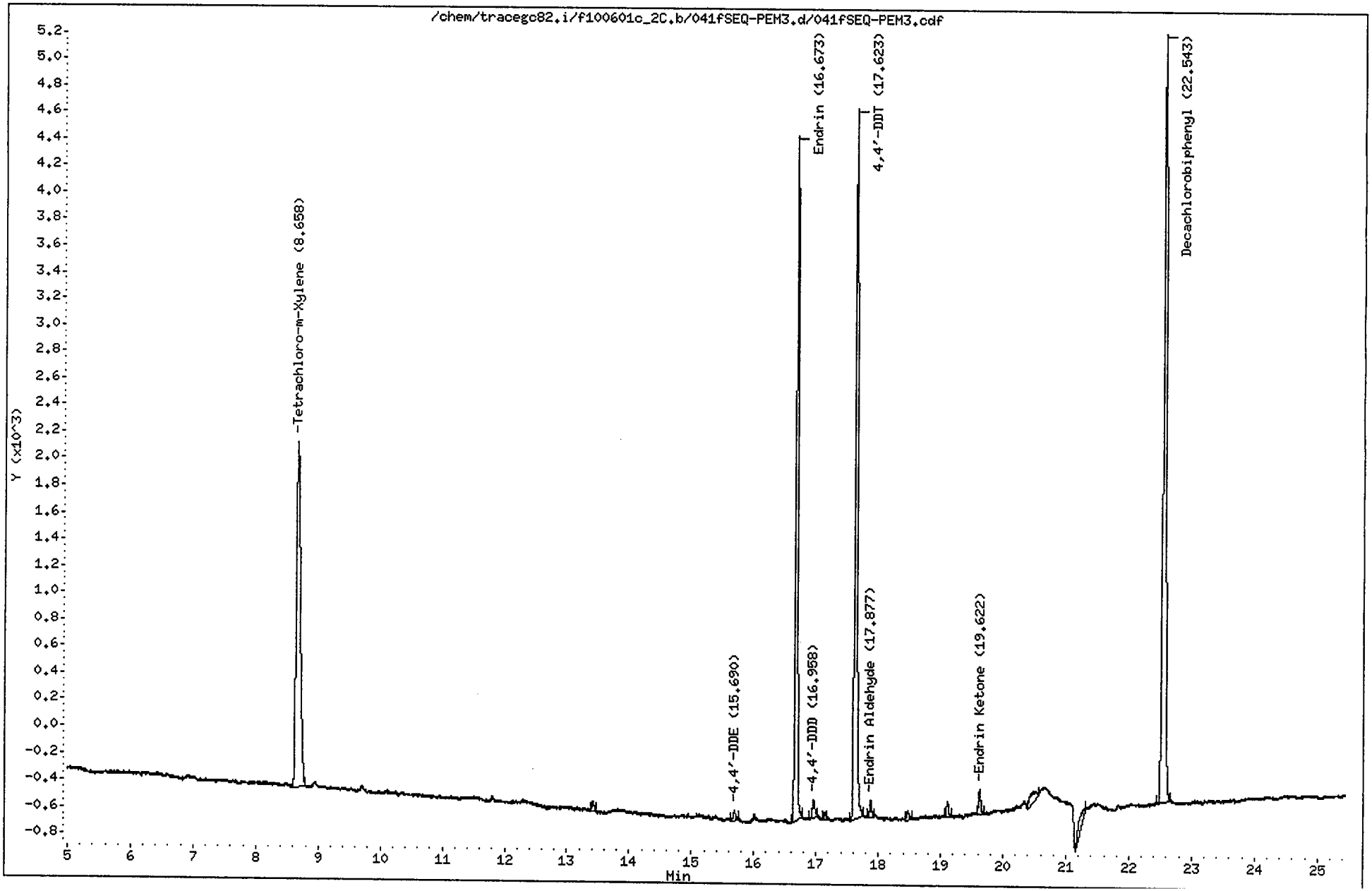
CompuChem

Lab Smp Id : SEQ-CCV3 Client Smp Id : INDC3FH
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 02-JUN-2010 10:44 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601c_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3FH

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
0.09			149								
1.35			473								
1.50			78683								
2.63			280								
8.66	8.59	8.73	12193	548876	Tetrachloro-m-Xylene	0.020000	609670	-11.1	20.0		
10.39	10.32	10.46	19830	916452	alpha-BHC	0.020000	991505	-8.2	20.0		
11.32	11.25	11.39	18407	866882	gamma-BHC (Lindane)	0.020000	920363	-6.2	20.0		
11.57	11.50	11.64	7250	347428	beta-BHC	0.020000	362480	-4.3	20.0		
12.29	12.22	12.36	16883	827595	delta-BHC	0.020000	844152	-2.0	20.0		
12.40	12.33	12.47	17336	778205	Heptachlor	0.020000	866780	-11.4	20.0		
13.17	13.10	13.24	15503	726628	Aldrin	0.020000	775145	-6.7	20.0		
14.09			244								
14.52	14.45	14.59	14278	683115	Heptachlor Epoxide	0.020000	713898	-4.5	20.0		
14.95	14.88	15.02	14237	690205	gamma-Chlordane	0.020000	711860	-3.1	20.0		
15.28	15.21	15.35	12136	595455	alpha-Chlordane	0.020000	606805	-1.9	20.0		
15.40	15.33	15.47	13029	638725	Endosulfan I	0.020000	651430	-2.0	20.0		
15.68	15.61	15.75	25518	617325	4,4'-DDE	0.040000	637945	-3.3	20.0		
16.01	15.94	16.08	24489	598394	Dieldrin	0.040000	612228	-2.3	20.0		
16.67	16.60	16.74	21755	524785	Endrin	0.040000	543870	-3.6	20.0		
16.78			658								
16.95	16.87	17.01	18442	454222	4,4'-DDD	0.040000	461046	-1.5	20.0		
17.14	17.07	17.21	20776	526756	Endosulfan II	0.040000	519397	1.4	20.0		
17.62	17.55	17.69	19816	503765	4,4'-DDT	0.040000	495407	1.7	20.0		
17.88	17.81	17.95	17242	425754	Endrin Aldehyde	0.040000	431050	-1.2	20.0		
18.14			283								
18.47	18.40	18.54	18483	479624	Endosulfan sulfate	0.040000	462070	3.7	20.0		
19.10	19.03	19.17	41289	208391	Methoxychlor	0.200000	206446	0.9	20.0		
19.39			245								
19.62	19.55	19.69	20938	535815	Endrin Ketone	0.040000	523445	2.3	20.0		
20.46			132								
21.27			551								
22.54	22.47	22.61	19195	497254	Decachlorobiphenyl	0.040000	479865	3.5	20.0		

Data File: /chem/tracegc82.i/f100601c_2C.b/041fSEQ-PEM3.d
Date : 02-JUN-2010 11:13
Client ID: PEMFH
Sample Info: SEQ-PEM3
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM3 Client Smp Id : PEMFH
Sample Type : SAMPLE Sublist : PEM
Inj Date : 02-JUN-2010 11:13 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601c_2C.b/8081A_clpest2v6.m
Misc. Info : PEMFH

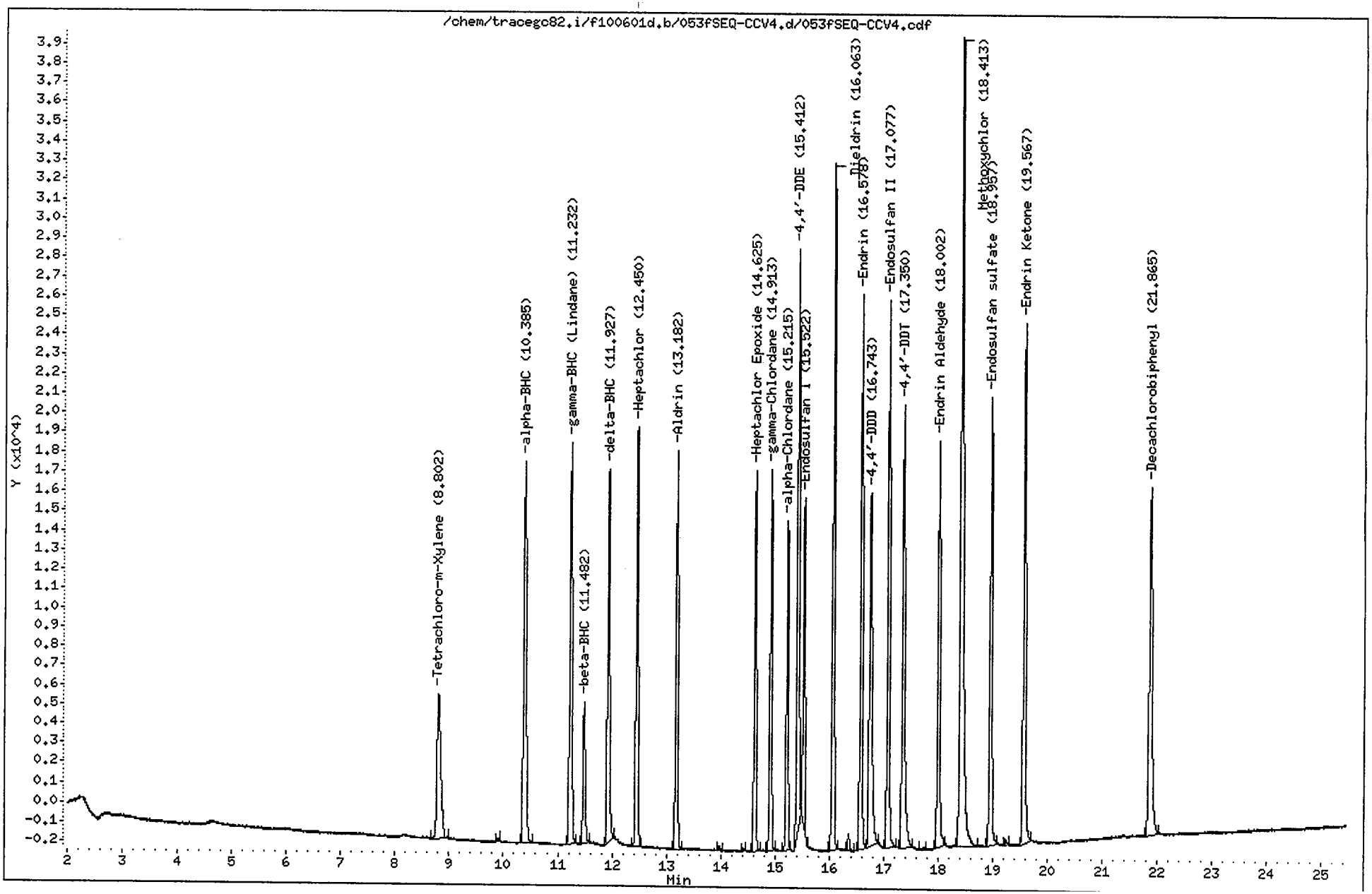
Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
0.07			336								
1.35			642								
1.49			3545								
2.59			217								
8.66	8.59	8.73	11930	548876	Tetrachloro-m-Xylene	0.021736	0.021736		109.8	43 - 135	
13.42			165								
15.69	15.61	15.75	191	617325	4,4'-DDE	0.000310	0.000310	0.020000			J
16.67	16.60	16.74	12317	524785	Endrin	0.023471	0.023471	0.020000			
16.96	16.87	17.01	384	454222	4,4'-DDD	0.000846	0.000846	0.020000			J
17.14			120								
17.62	17.55	17.69	14656	503765	4,4'-DDT	0.029094	0.029094	0.020000			
17.88	17.81	17.95	283	425754	Endrin Aldehyde	0.000664	0.000664	0.020000			J
18.47			177								
19.11			281								
19.62	19.55	19.69	460	535815	Endrin Ketone	0.000859	0.000859	0.020000			J
20.49			519								
21.29			611								
22.54	22.47	22.61	19142	497254	Decachlorobiphenyl	0.038496	0.038496		97.2	43 - 144	

Data File: /chem/tracegc82.i/f100601d.b/053fSEQ-CCV4.d
Date : 02-JUN-2010 17:03
Client ID: INDC3FJ
Sample Info: SEQ-CCV4
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV4 Client Smp Id : INDC3FJ
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 02-JUN-2010 17:03 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601d.b/8081A_clpestv6.m
Misc. Info : INDC3FJ

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
0.02			319								
1.04			370								
1.29			615								
1.37			3068								
1.45			37439								
8.80	8.73	8.87	35644	1587700	Tetrachloro-m-Xylene	0.020000	1782222	-12.3	20.0		
9.90			285								
10.38	10.32	10.46	66299	3028788	alpha-BHC	0.020000	3314953	-9.4	20.0		
11.23	11.16	11.30	60818	2817265	gamma-BHC (Lindane)	0.020000	3040908	-7.9	20.0		
11.48	11.41	11.55	20375	1035150	beta-BHC	0.020000	1018735	1.6	20.0		
11.93	11.85	11.99	53351	2721052	delta-BHC	0.020000	2667555	2.0	20.0		
12.45	12.38	12.52	56687	2589888	Heptachlor	0.020000	2834360	-9.4	20.0		
13.18	13.11	13.25	52402	2391920	Aldrin	0.020000	2620080	-9.5	20.0		
13.98			634								
14.42			349								
14.62	14.56	14.70	47920	2235460	Heptachlor Epoxide	0.020000	2396013	-7.2	20.0		
14.91	14.84	14.98	47205	2245768	gamma-Chlordane	0.020000	2360253	-5.1	20.0		
15.22	15.15	15.29	40703	1924148	alpha-Chlordane	0.020000	2035168	-5.8	20.0		
15.41	15.34	15.48	77182	2012896	4,4'-DDE	0.040000	1929544	4.1	20.0		
15.52	15.45	15.59	40021	2067970	Endosulfan I	0.020000	2001038	3.2	20.0		
16.06	15.99	16.13	85888	2037205	Dieldrin	0.040000	2147211	-5.4	20.0		
16.36			1992								
16.58	16.51	16.65	70935	1695798	Endrin	0.040000	1773380	-4.6	20.0		
16.74	16.66	16.80	63302	1534440	4,4'-DDD	0.040000	1582542	-3.1	20.0		
17.08	17.01	17.15	71552	1759840	Endosulfan II	0.040000	1788807	-1.6	20.0		
17.35	17.27	17.41	69348	1722489	4,4'-DDT	0.040000	1733706	-0.7	20.0		
17.68			354								
18.00	17.93	18.07	56188	1371845	Endrin Aldehyde	0.040000	1404705	-2.4	20.0		
18.41	18.33	18.47	150351	731447	Methoxychlor	0.200000	751753	-2.8	20.0		
18.96	18.89	19.03	61947	1574194	Endosulfan sulfate	0.040000	1548675	1.6	20.0		
19.24			725								
19.57	19.49	19.63	73315	1849761	Endrin Ketone	0.040000	1832870	0.9	20.0		
21.86	21.79	21.93	65274	1622138	Decachlorobiphenyl	0.040000	1631845	-0.6	20.0		

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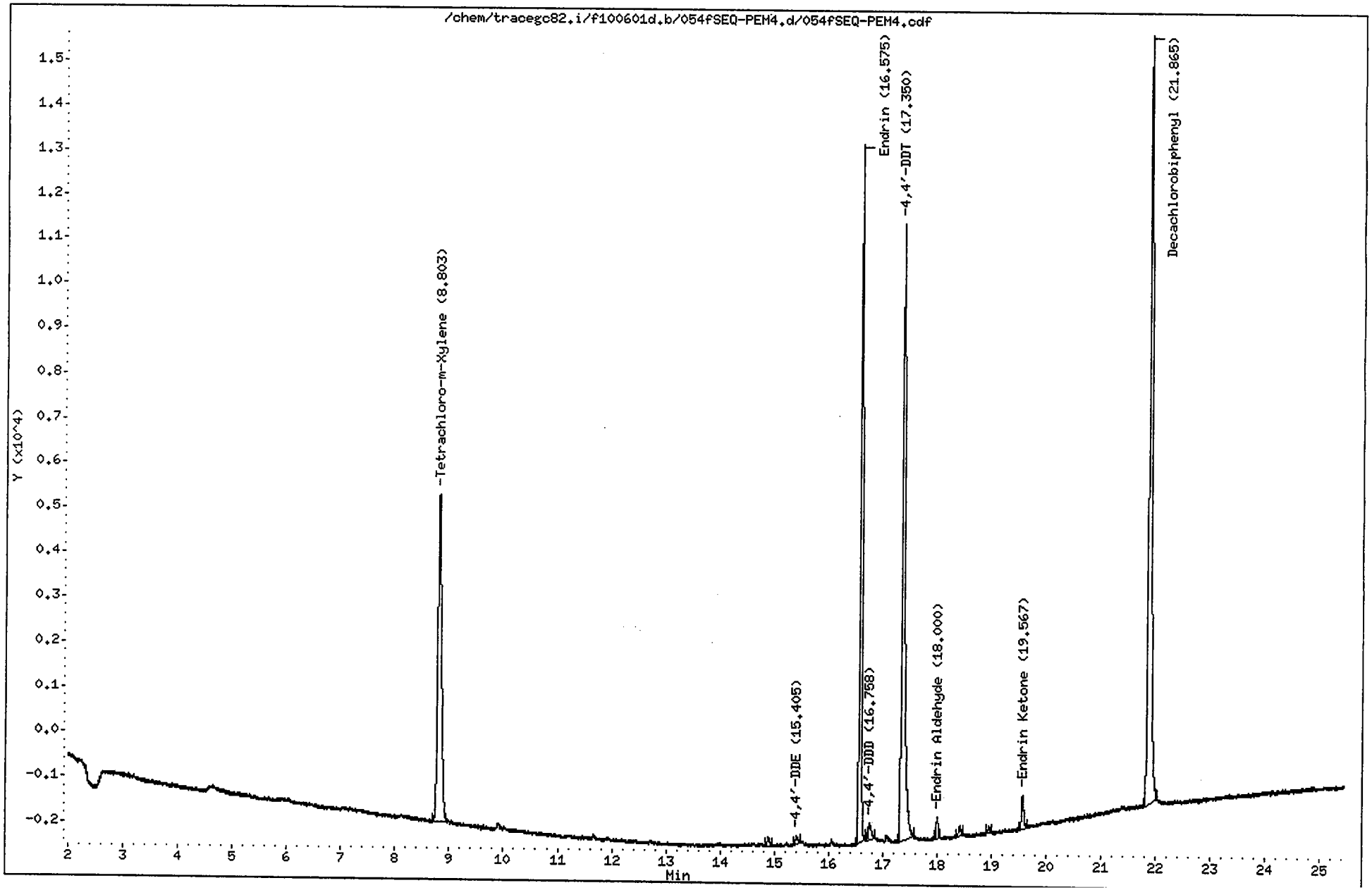
Data File: /chem/tracegc82.i/f100601d.b/054fSEQ-PEM4.d
Date : 02-JUN-2010 17:32
Client ID: PEMFJ
Sample Info: SEQ-PEM4
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM4 Client Smp Id : PEMFJ
Sample Type : SAMPLE Sublist : PEM
Inj Date : 02-JUN-2010 17:32 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601d.b/8081A_clpestv6.m
Misc. Info : PEMFJ

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

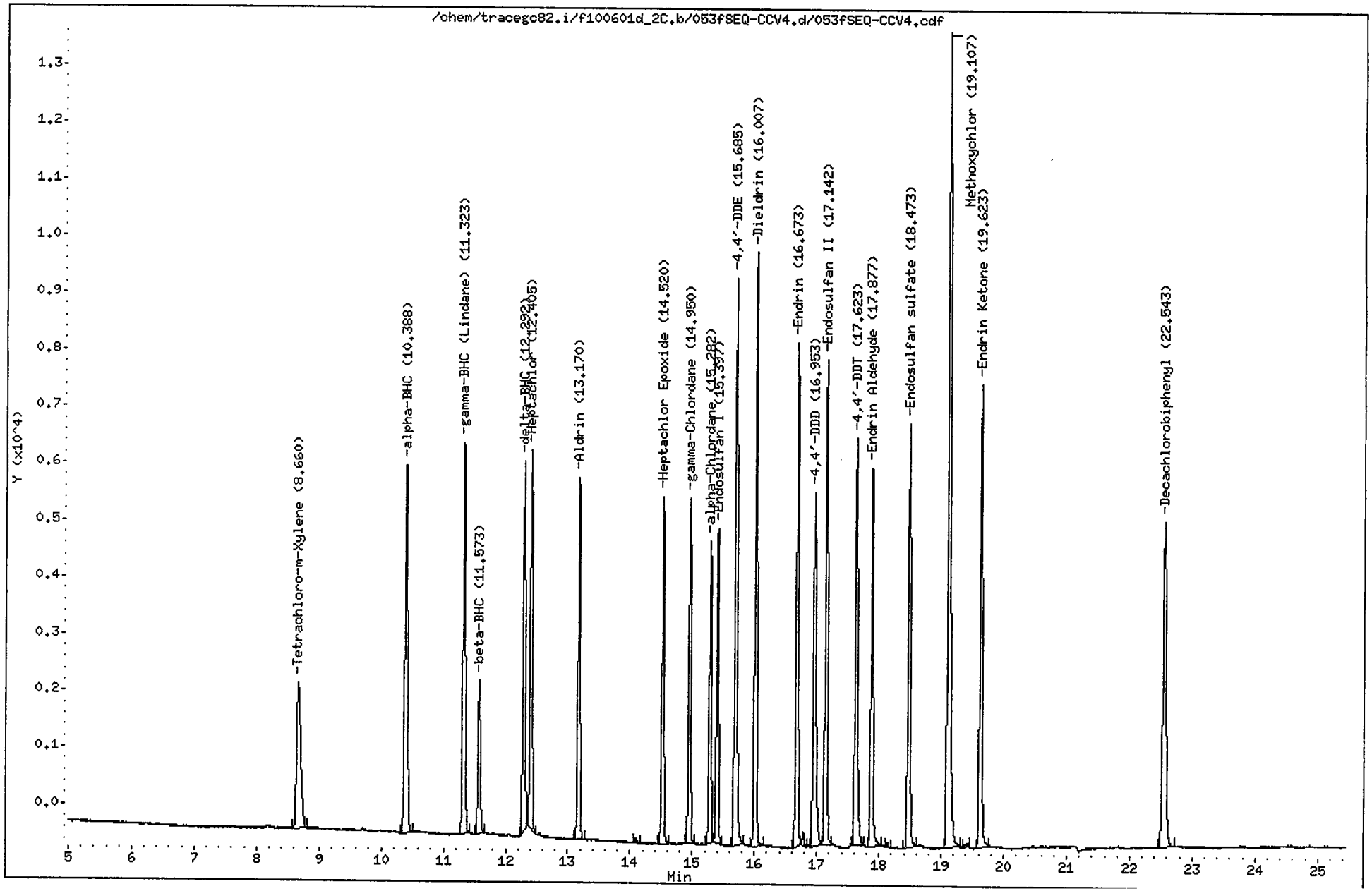
DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.35			311								
1.43			508								
8.80	8.73	8.87	34915	1587700	Tetrachloro-m-Xylene	0.021991	0.021991		111.1	43 - 135	
14.89			656								
15.40	15.34	15.48	540	2012896	4,4'-DDE	0.000268	0.000268	0.020000			J
16.58	16.51	16.65	38789	1695798	Endrin	0.022874	0.022874	0.020000			
16.76	16.66	16.80	1422	1534440	4,4'-DDD	0.000927	0.000927	0.020000			J
17.35	17.27	17.41	49506	1722489	4,4'-DDT	0.028741	0.028741	0.020000			
18.00	17.93	18.07	1215	1371845	Endrin Aldehyde	0.000886	0.000886	0.020000			J
18.42			620								
18.95			365								
19.57	19.49	19.63	2217	1849761	Endrin Ketone	0.001199	0.001199	0.020000			J
21.86	21.79	21.93	64041	1622138	Decachlorobiphenyl	0.039479	0.039479		99.7	43 - 144	

Data File: /chem/tracegc82.i/f100601d_2C.b/053fSEQ-CCV4.d
Date : 02-JUN-2010 17:03
Client ID: INDC3FJ
Sample Info: SEQ-CCV4
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



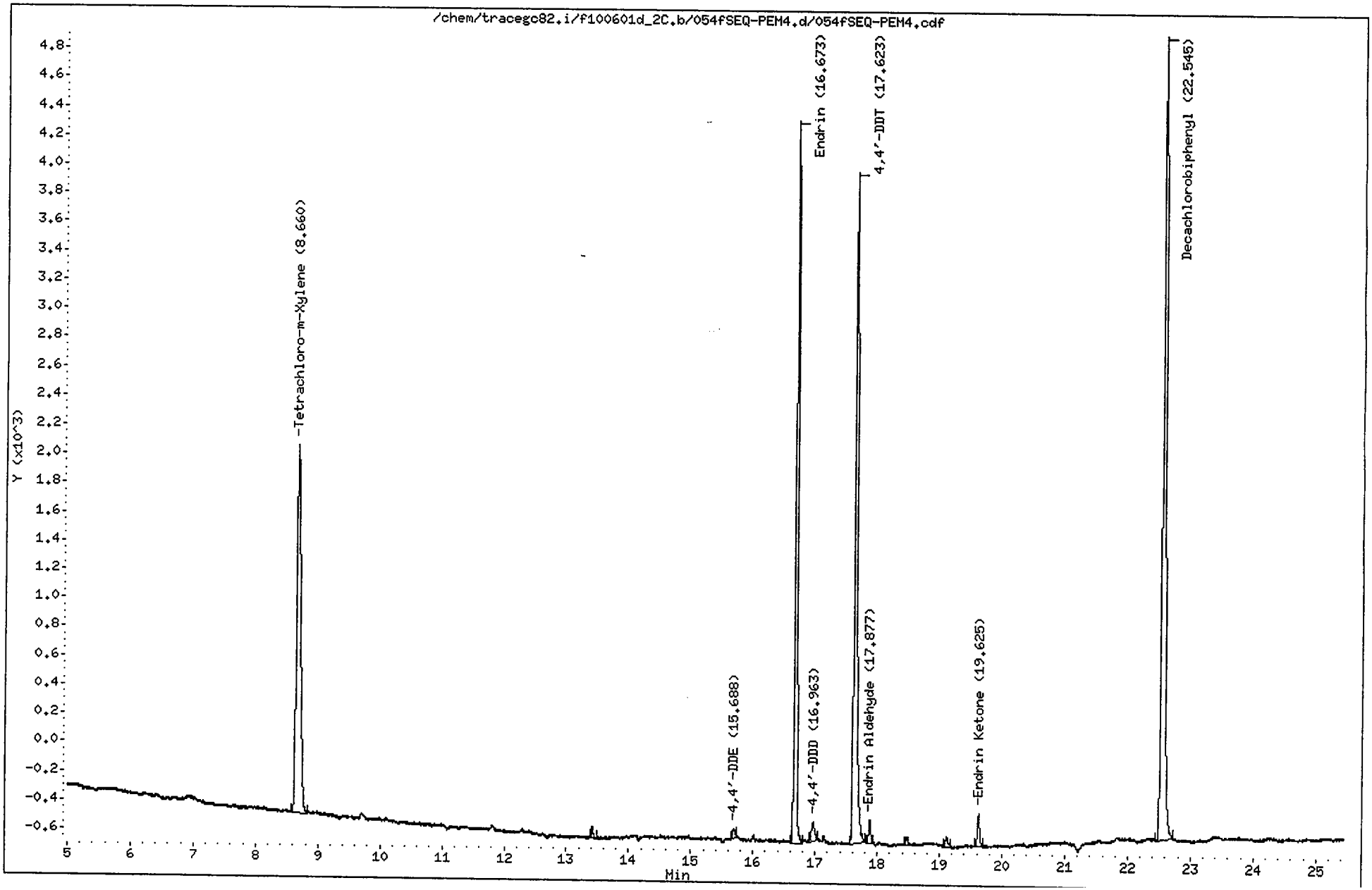
CompuChem

Lab Smp Id : SEQ-CCV4 Client Smp Id : INDC3FJ
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 02-JUN-2010 17:03 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601d_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3FJ

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.35			483								
1.50			3280								
2.67			771								
8.66	8.59	8.73	11966	548876	Tetrachloro-m-Xylene	0.020000	598298	-9.0	20.0		
10.39	10.32	10.46	19419	916452	alpha-BHC	0.020000	970940	-5.9	20.0		
11.32	11.25	11.39	18080	866882	gamma-BHC (Lindane)	0.020000	903990	-4.3	20.0		
11.57	11.50	11.64	6842	347428	beta-BHC	0.020000	342115	1.5	20.0		
12.29	12.22	12.36	15370	827595	delta-BHC	0.020000	768503	7.1	20.0		
12.40	12.33	12.47	16353	778205	Heptachlor	0.020000	817627	-5.1	20.0		
13.17	13.10	13.24	15307	726628	Aldrin	0.020000	765370	-5.3	20.0		
14.10			226								
14.52	14.45	14.59	14229	683115	Heptachlor Epoxide	0.020000	711435	-4.1	20.0		
14.95	14.88	15.02	14209	690205	gamma-Chlordane	0.020000	710430	-2.9	20.0		
15.28	15.21	15.35	12163	595455	alpha-Chlordane	0.020000	608140	-2.1	20.0		
15.40	15.33	15.47	13052	638725	Endosulfan I	0.020000	652613	-2.2	20.0		
15.68	15.61	15.75	25403	617325	4,4'-DDE	0.040000	635073	-2.9	20.0		
16.01	15.94	16.08	24447	598394	Dieldrin	0.040000	611167	-2.1	20.0		
16.67	16.60	16.74	21002	524785	Endrin	0.040000	525041	0.0	20.0		
16.78			491								
16.95	16.87	17.01	18470	454222	4,4'-DDD	0.040000	461762	-1.7	20.0		
17.14	17.07	17.21	20673	526756	Endosulfan II	0.040000	516815	1.9	20.0		
17.62	17.55	17.69	19444	503765	4,4'-DDT	0.040000	486110	3.5	20.0		
17.88	17.81	17.95	16685	425754	Endrin Aldehyde	0.040000	417131	2.0	20.0		
18.13			148								
18.47	18.40	18.54	18501	479624	Endosulfan sulfate	0.040000	462523	3.6	20.0		
19.11	19.03	19.17	41510	208391	Methoxychlor	0.200000	207552	0.4	20.0		
19.39			223								
19.62	19.55	19.69	21024	535815	Endrin Ketone	0.040000	525588	1.9	20.0		
22.54	22.47	22.61	19906	497254	Decachlorobiphenyl	0.040000	497656	-0.1	20.0		

Data File: /chem/tracegc82.i/f100601d_2C.b/054fSEQ-PEM4.d
Date : 02-JUN-2010 17:32
Client ID: PEMFJ
Sample Info: SEQ-PEM4
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM4 Client Smp Id : PEMFJ
Sample Type : SAMPLE Sublist : PEM
Inj Date : 02-JUN-2010 17:32 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601d_2C.b/8081A_clpest2v6.m
Misc. Info : PEMFJ

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.35		684								
1.50		58786								
2.60		402								
8.66	8.59 8.73	11838	548876	Tetrachloro-m-Xylene	0.021567	0.021567		108.9	43 - 135	
13.42		179								
15.69	15.61 15.75	161	617325	4,4'-DDE	0.000262	0.000262	0.020000			J
16.67	16.60 16.74	12051	524785	Endrin	0.022963	0.022963	0.020000			
16.96	16.87 17.01	456	454222	4,4'-DDD	0.001005	0.001005	0.020000			J
17.62	17.55 17.69	14426	503765	4,4'-DDT	0.028636	0.028636	0.020000			
17.88	17.81 17.95	369	425754	Endrin Aldehyde	0.000866	0.000866	0.020000			J
18.47		127								
19.12		212								
19.62	19.55 19.69	573	535815	Endrin Ketone	0.001069	0.001069	0.020000			J
22.54	22.47 22.61	19763	497254	Decachlorobiphenyl	0.039743	0.039743		100.4	43 - 144	

Data File: /chem/tracegc84.i/j100528.b/003j0E27012-PEM1.d

Date : 28-MAY-2010 17:49

Client ID: PEMHA

Instrument: tracegc84.i

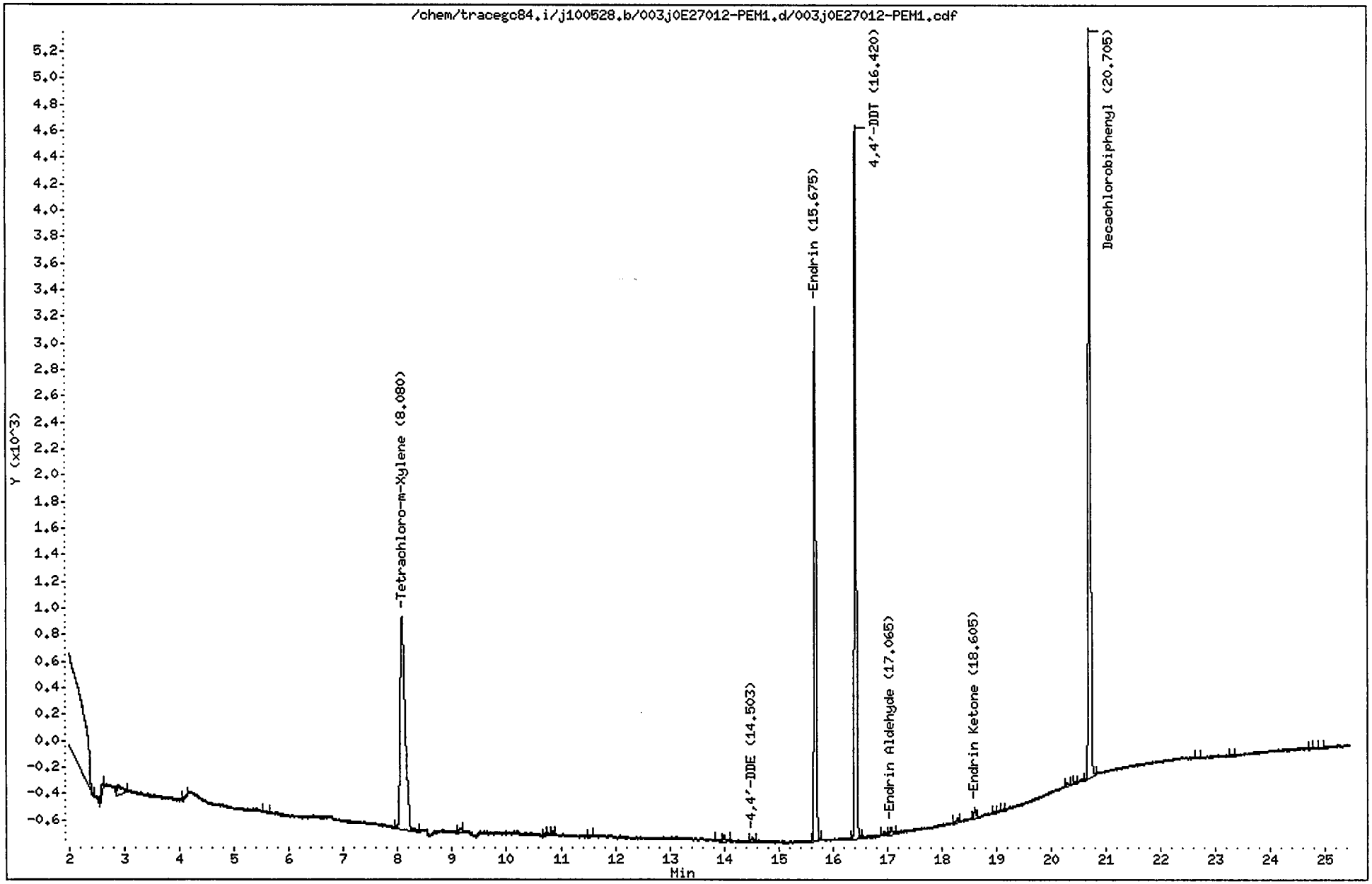
Sample Info: 0E27012-PEM1

Volume Injected (uL): 1.0

Operator: System

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-PEM1 Client Smp Id : PEMHA
Sample Type : SAMPLE Sublist : PEM
Inj Date : 28-MAY-2010 17:49 Inst ID : TRACEGC84
Operator : System
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : PEMHA

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
0.11			65								
0.33			59								
1.05			137								
1.31			67								
1.36			100								
1.55			63736								
2.60			274								
2.90			403								
4.13			50								
5.53			93								
8.08	8.01	8.15	10252	522758	Tetrachloro-m-Xylene	0.019611	0.019611		99.0	43 - 135	
9.13			89								
10.70			75								
10.85			89								
11.50			43								
13.86			56								
13.99			161								
14.50	14.45	14.59	135	523741	4,4'-DDE	0.000257	0.000257	0.020000			J
15.68	15.61	15.75	10368	463071	Endrin	0.022390	0.022390	0.020000			
16.42	16.35	16.49	13272	454781	4,4'-DDT	0.029183	0.029183	0.020000			
16.94			119								
17.06	17.00	17.14	184	348470	Endrin Aldehyde	0.000528	0.000528	0.020000			J
18.28			112								
18.60	18.53	18.67	230	457258	Endrin Ketone	0.000504	0.000504	0.020000			J
18.97			61								
19.13			49								
20.30			63								
20.46			58								
20.70	20.63	20.77	15710	408350	Decachlorobiphenyl	0.038473	0.038473		97.2	43 - 144	
22.67			44								
23.25			56								
24.69			43								
24.89			42								

AHW
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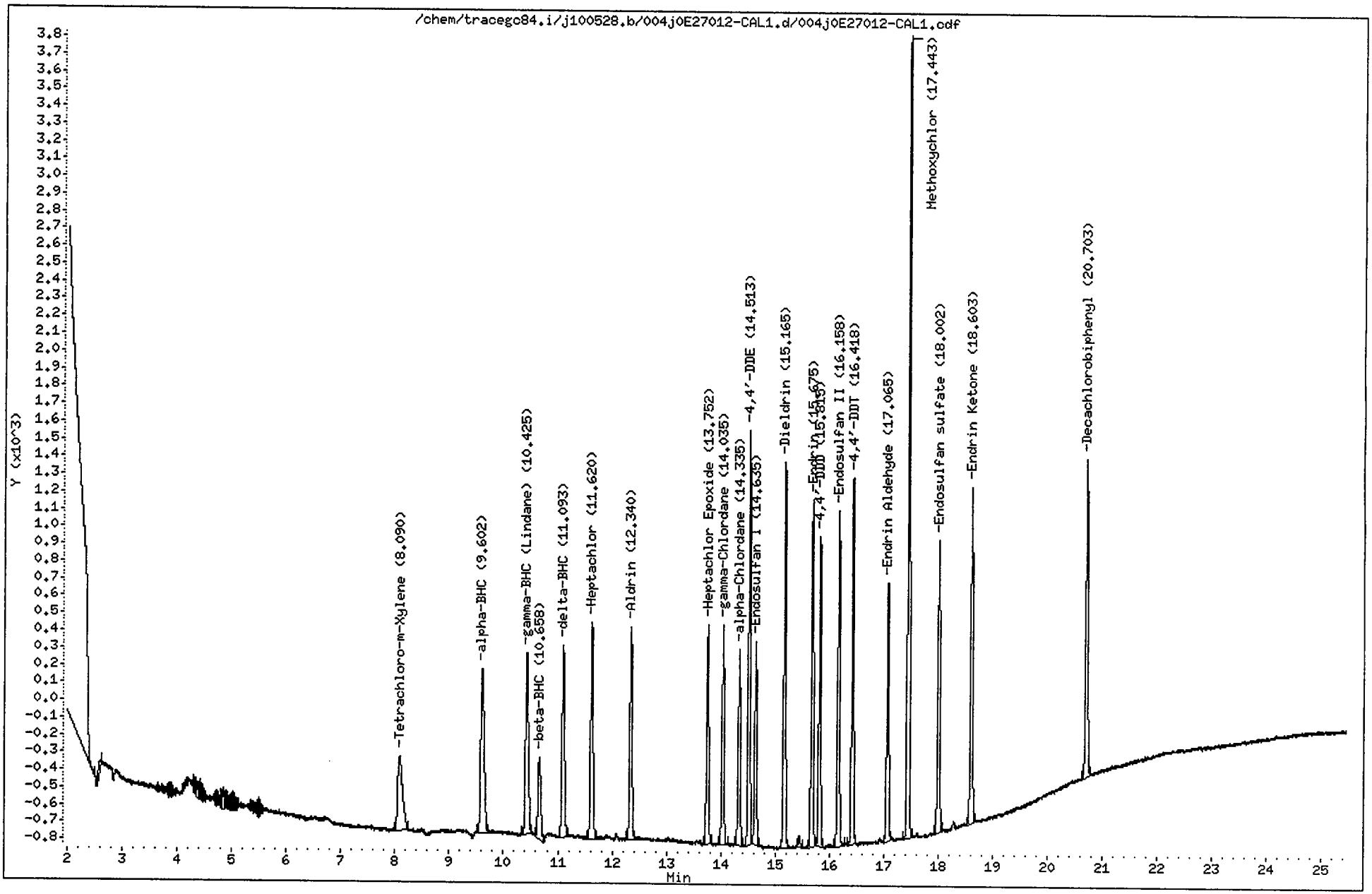
Data File: /chem/tracegc84.i/j100528.b/004j0E27012-CAL1.d
Date : 28-MAY-2010 18:18
Client ID: INDC1HA
Sample Info: 0E27012-CAL1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL1 Client Smp Id : INDC1HA
Sample Type : INITIAL CAL: Level 1 Sublist : INDA
Inj Date : 28-MAY-2010 18:18 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : INDC1HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.57			247819					
2.59			171					
4.35			169					
4.84			233					
4.99			134					
8.09	8.01	8.15	2689	522758	Tetrachloro-m-Xylene	0.005000	537800	
9.60	9.53	9.67	3994	775960	alpha-BHC	0.005000	798600	
10.42	10.36	10.50	3775	729192	gamma-BHC (Lindane)	0.005000	754800	
10.66	10.59	10.73	1672	300532	beta-BHC	0.005000	334400	
11.09	11.02	11.16	3527	689518	delta-BHC	0.005000	705200	
11.62	11.55	11.69	3800	695465	Heptachlor	0.005000	759800	
12.34	12.27	12.41	3446	636570	Aldrin	0.005000	689000	
13.75	13.68	13.82	3254	593700	Heptachlor Epoxide	0.005000	650600	
14.04	13.97	14.11	3261	594875	gamma-Chlordane	0.005000	652000	
14.34	14.27	14.41	2846	516712	alpha-Chlordane	0.005000	569000	
14.51	14.45	14.59	5739	523741	4,4'-DDE	0.010000	573800	
14.64	14.57	14.71	2972	548162	Endosulfan I	0.005000	594200	
15.16	15.10	15.24	5623	515556	Dieldrin	0.010000	562300	
15.44			156					
15.68	15.61	15.75	5113	463071	Endrin	0.010000	511200	
15.82	15.74	15.88	4223	393458	4,4'-DDD	0.010000	422300	
16.16	16.09	16.23	4967	450326	Endosulfan II	0.010000	496600	
16.42	16.35	16.49	5039	454781	4,4'-DDT	0.010000	503900	
17.06	17.00	17.14	3776	348470	Endrin Aldehyde	0.010000	377500	
17.44	17.37	17.51	11132	194359	Methoxychlor	0.050000	222640	
18.00	17.93	18.07	4327	392055	Endosulfan sulfate	0.010000	432700	
18.60	18.53	18.67	4972	457258	Endrin Ketone	0.010000	497200	
20.70	20.63	20.77	4821	408350	Decachlorobiphenyl	0.010000	482100	

AHW
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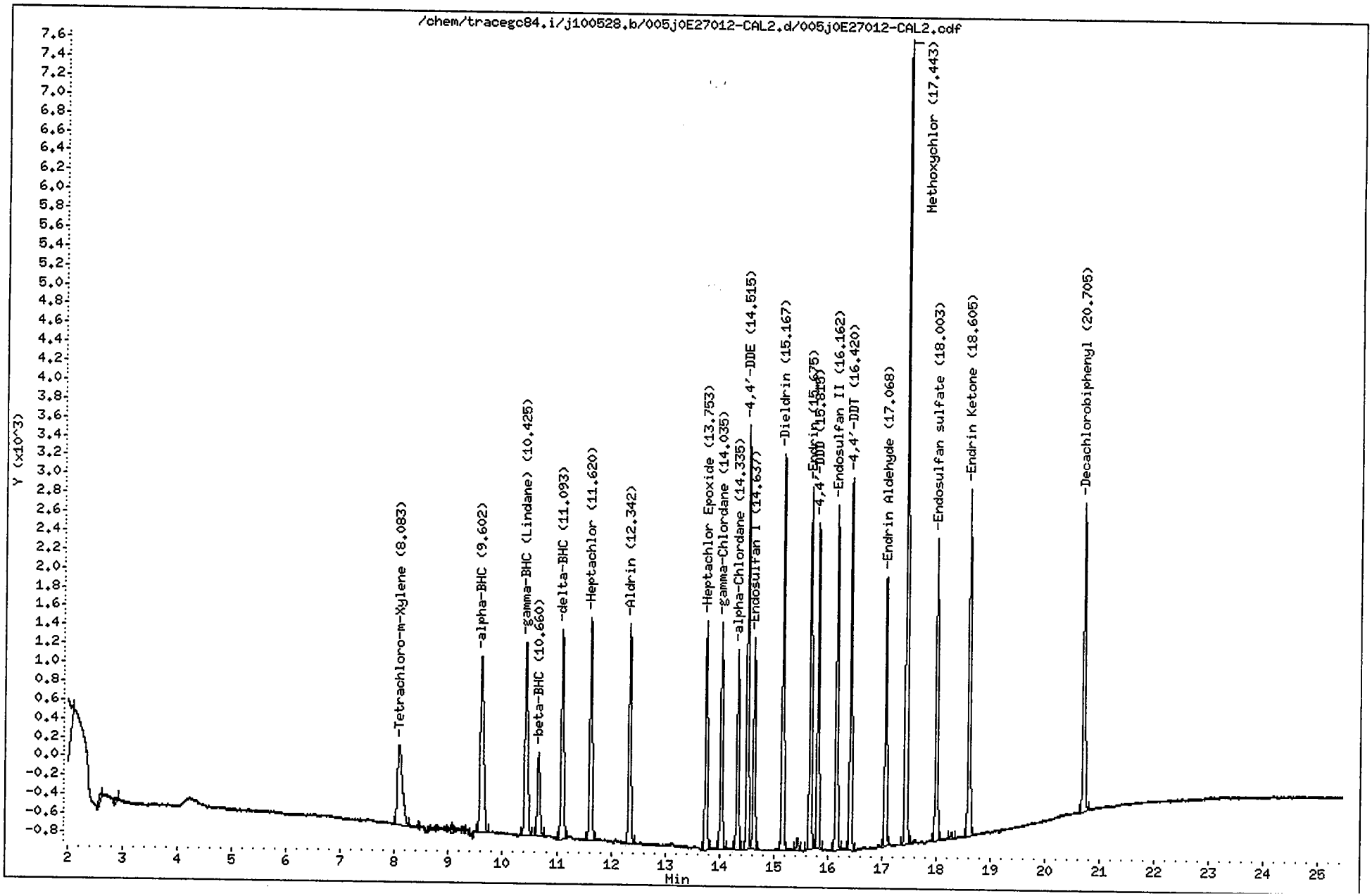
Data File: /chem/tracegc84.i/j100528.b/005j0E27012-CAL2.d
Date : 28-MAY-2010 18:47
Client ID: INDC2HA
Sample Info: 0E27012-CAL2
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL2 Client Smp Id : INDC2HA
Sample Type : INITIAL CAL: Level 2 Sublist : INDA
Inj Date : 28-MAY-2010 18:47 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : INDC2HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
0.81			199					
0.93			168					
1.03			181					
1.44			179					
1.55			31882					
2.60			253					
2.87			126					
8.08	8.01	8.15	5457	522758	Tetrachloro-m-Xylene	0.010000	545600	
9.06			157					
9.60	9.53	9.67	7926	775960	alpha-BHC	0.010000	792600	
10.42	10.36	10.50	7455	729192	gamma-BHC (Lindane)	0.010000	745400	
10.66	10.59	10.73	2974	300532	beta-BHC	0.010000	297400	
11.09	11.02	11.16	7074	689518	delta-BHC	0.010000	707400	
11.62	11.55	11.69	7311	695465	Heptachlor	0.010000	731000	
12.34	12.27	12.41	6679	636570	Aldrin	0.010000	667800	
13.75	13.68	13.82	6330	593700	Heptachlor Epoxide	0.010000	633000	
14.04	13.97	14.11	6341	594875	gamma-Chlordane	0.010000	634000	
14.34	14.27	14.41	5427	516712	alpha-Chlordane	0.010000	542600	
14.52	14.45	14.59	10936	523741	4,4'-DDE	0.020000	546750	
14.64	14.57	14.71	5709	548162	Endosulfan I	0.010000	570900	
15.17	15.10	15.24	10763	515556	Dieldrin	0.020000	538100	
15.45			319					
15.68	15.61	15.75	9723	463071	Endrin	0.020000	486100	
15.82	15.74	15.88	8211	393458	4,4'-DDD	0.020000	410500	
16.16	16.09	16.23	9399	450326	Endosulfan II	0.020000	469900	
16.42	16.35	16.49	9582	454781	4,4'-DDT	0.020000	479100	
17.07	17.00	17.14	7281	348470	Endrin Aldehyde	0.020000	364050	
17.44	17.37	17.51	20823	194359	Methoxychlor	0.100000	208230	
18.00	17.93	18.07	8331	392055	Endosulfan sulfate	0.020000	416550	
18.29			176					
18.60	18.53	18.67	9658	457258	Endrin Ketone	0.020000	482900	
20.70	20.63	20.77	8934	408350	Decachlorobiphenyl	0.020000	446650	

AHW
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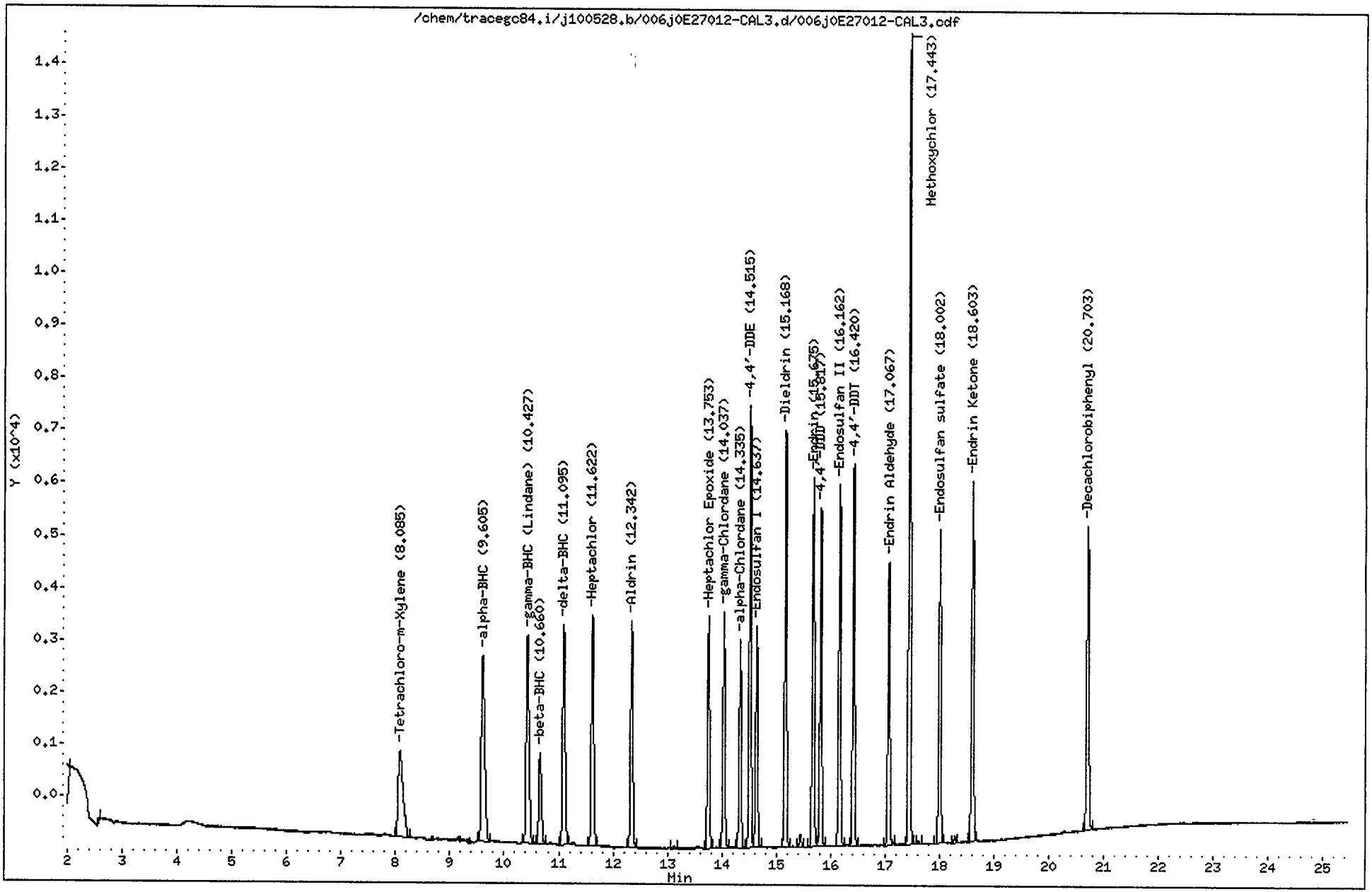
Data File: /chem/tracegc84.i/j100528.b/006j0E27012-CAL3.d
Date : 28-MAY-2010 19:16
Client ID: INDC3HA
Sample Info: 0E27012-CAL3
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL3 Client Smp Id : INDC3HA
Sample Type : INITIAL CAL: Level 3 Sublist : INDA
Inj Date : 28-MAY-2010 19:16 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : INDC3HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.56			33990					
2.59			125					
8.08	8.01	8.15	10365	522758	Tetrachloro-m-Xylene	0.020000	518200	
9.60	9.53	9.67	15388	775960	alpha-BHC	0.020000	769400	
10.43	10.36	10.50	14446	729192	gamma-BHC (Lindane)	0.020000	722300	
10.66	10.59	10.73	5933	300532	beta-BHC	0.020000	296600	
11.10	11.02	11.16	13673	689518	delta-BHC	0.020000	683650	
11.62	11.55	11.69	13777	695465	Heptachlor	0.020000	688850	
12.34	12.27	12.41	12658	636570	Aldrin	0.020000	632900	
13.12			154					
13.75	13.68	13.82	11837	593700	Heptachlor Epoxide	0.020000	591800	
14.04	13.97	14.11	11766	594875	gamma-Chlordane	0.020000	588300	
14.34	14.27	14.41	10311	516712	alpha-Chlordane	0.020000	515550	
14.52	14.45	14.59	20700	523741	4,4'-DDE	0.040000	517475	
14.64	14.57	14.71	11116	548162	Endosulfan I	0.020000	555750	
15.17	15.10	15.24	20326	515556	Dieldrin	0.040000	508150	
15.45			603					
15.68	15.61	15.75	18450	463071	Endrin	0.040000	461225	
15.82	15.74	15.88	15762	393458	4,4'-DDD	0.040000	394025	
16.16	16.09	16.23	17852	450326	Endosulfan II	0.040000	446300	
16.42	16.35	16.49	17876	454781	4,4'-DDT	0.040000	446900	
17.07	17.00	17.14	14218	348470	Endrin Aldehyde	0.040000	355425	
17.44	17.37	17.51	38110	194359	Methoxychlor	0.200000	190545	
17.62			164					
18.00	17.93	18.07	15567	392055	Endosulfan sulfate	0.040000	389175	
18.29			330					
18.60	18.53	18.67	18130	457258	Endrin Ketone	0.040000	453250	
20.70	20.63	20.77	16121	408350	Decachlorobiphenyl	0.040000	403000	

AHW
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Data File: /chem/tracegc84.i/j100528.b/007j0E27012-CAL4.d

Date : 28-MAY-2010 19:45

Client ID: INDC4HA

Sample Info: 0E27012-CAL4

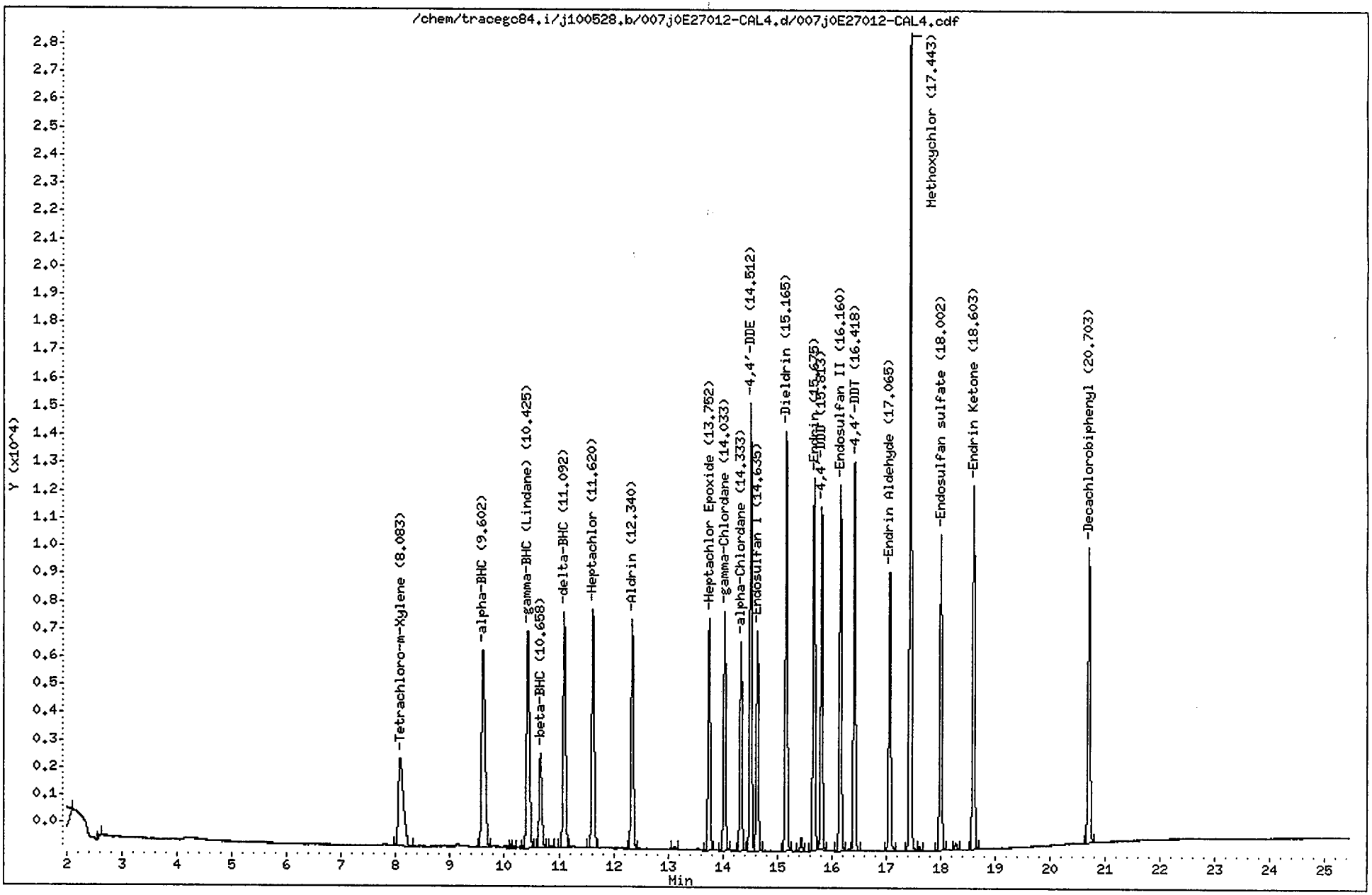
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL4 Client Smp Id : INDC4HA
Sample Type : INITIAL CAL: Level 4 Sublist : INDA
Inj Date : 28-MAY-2010 19:45 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : INDC4HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.55			32197					
2.61			220					
8.08	8.01	8.15	20531	522758	Tetrachloro-m-Xylene	0.040000	513275	
9.60	9.53	9.67	30485	775960	alpha-BHC	0.040000	762100	
10.11			174					
10.15			201					
10.34			121					
10.42	10.36	10.50	28750	729192	gamma-BHC (Lindane)	0.040000	718750	
10.66	10.59	10.73	11645	300532	beta-BHC	0.040000	291100	
10.85			124					
11.09	11.02	11.16	27123	689518	delta-BHC	0.040000	678075	
11.62	11.55	11.69	26443	695465	Heptachlor	0.040000	661075	
12.34	12.27	12.41	24318	636570	Aldrin	0.040000	607950	
13.12			296					
13.75	13.68	13.82	22398	593700	Heptachlor Epoxide	0.040000	559950	
14.03	13.97	14.11	22447	594875	gamma-Chlordane	0.040000	561150	
14.33	14.27	14.41	19587	516712	alpha-Chlordane	0.040000	489675	
14.51	14.45	14.59	39739	523741	4,4'-DDE	0.080000	496737	
14.64	14.57	14.71	20858	548162	Endosulfan I	0.040000	521425	
15.16	15.10	15.24	39182	515556	Dieldrin	0.080000	489763	
15.45			1192					
15.68	15.61	15.75	34803	463071	Endrin	0.080000	435025	
15.81	15.74	15.88	29940	393458	4,4'-DDD	0.080000	374237	
16.16	16.09	16.23	34119	450326	Endosulfan II	0.080000	426475	
16.32			140					
16.42	16.35	16.49	34226	454781	4,4'-DDT	0.080000	427813	
17.06	17.00	17.14	26427	348470	Endrin Aldehyde	0.080000	330325	
17.44	17.37	17.51	71762	194359	Methoxychlor	0.400000	179403	
17.62			370					
18.00	17.93	18.07	29487	392055	Endosulfan sulfate	0.080000	368575	
18.28			669					
18.60	18.53	18.67	34688	457258	Endrin Ketone	0.080000	433600	
20.70	20.63	20.77	29546	408350	Decachlorobiphenyl	0.080000	369313	

AHW
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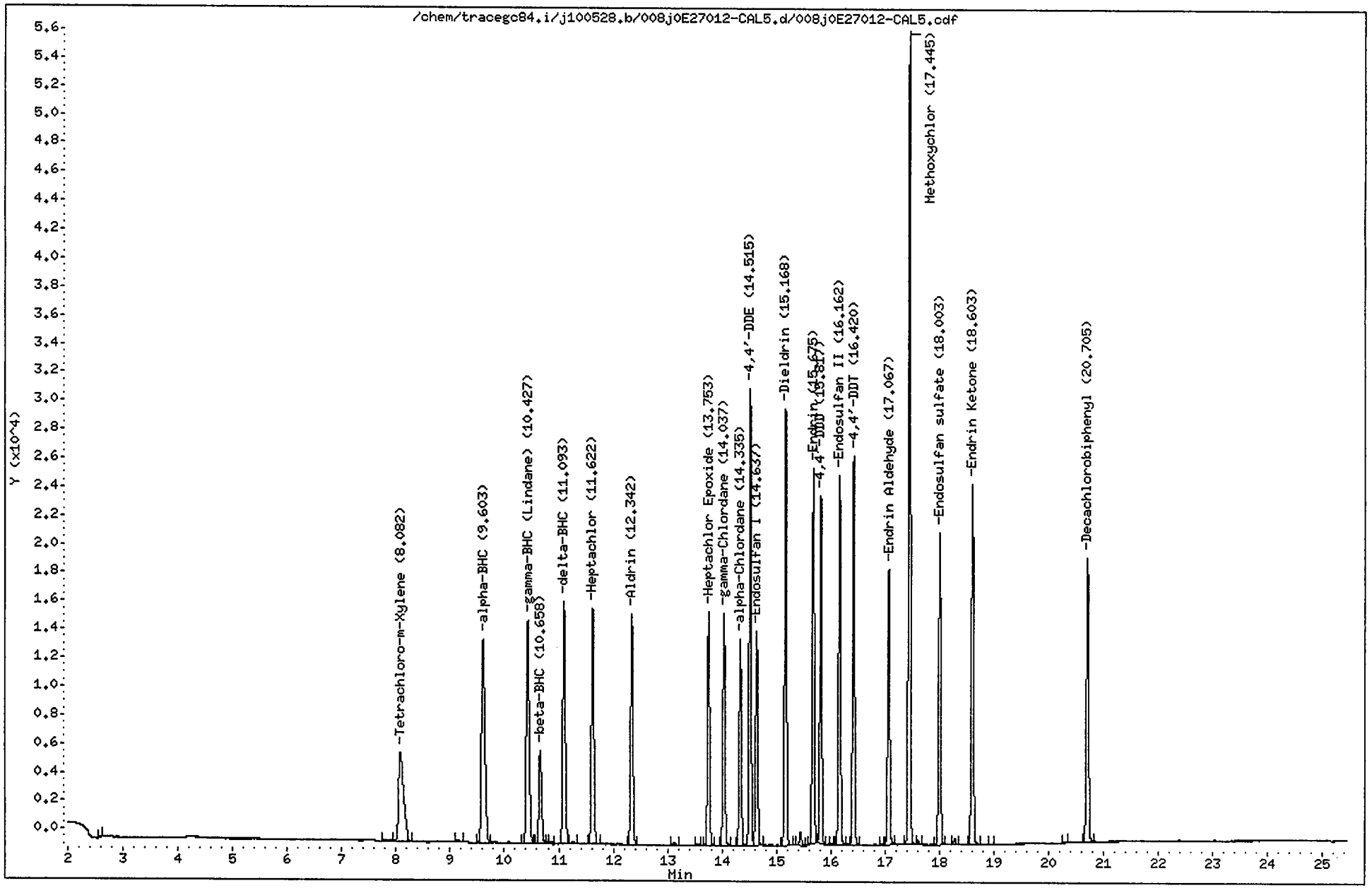
Data File: /chem/tracegc84.i/j100528.b/008j0E27012-CAL5.d
Date : 28-MAY-2010 20:14
Client ID: INDC5HA
Sample Info: 0E27012-CAL5
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL5 Client Smp Id : INDC5HA
Sample Type : INITIAL CAL: Level 5 Sublist : INDA
Inj Date : 28-MAY-2010 20:14 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : INDC5HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.55			3249					
2.61			128					
7.82			681					
8.08	8.01	8.15	39913	522758	Tetrachloro-m-Xylene	0.080000	498913	
9.14			506					
9.60	9.53	9.67	60568	775960	alpha-BHC	0.080000	757100	
10.43	10.36	10.50	56377	729192	gamma-BHC (Lindane)	0.080000	704713	
10.66	10.59	10.73	22653	300532	beta-BHC	0.080000	283163	
10.86			351					
11.09	11.02	11.16	53861	689518	delta-BHC	0.080000	673263	
11.26			475					
11.62	11.55	11.69	50929	695465	Heptachlor	0.080000	636600	
12.34	12.27	12.41	46817	636570	Aldrin	0.080000	585200	
13.12			558					
13.55			280					
13.75	13.68	13.82	42653	593700	Heptachlor Epoxide	0.080000	533150	
14.04	13.97	14.11	43114	594875	gamma-Chlordane	0.080000	538925	
14.34	14.27	14.41	37339	516712	alpha-Chlordane	0.080000	466737	
14.52	14.45	14.59	77431	523741	4,4'-DDE	0.160000	483944	
14.64	14.57	14.71	39883	548162	Endosulfan I	0.080000	498537	
15.17	15.10	15.24	76716	515556	Dieldrin	0.160000	479469	
15.45			2365					
15.68	15.61	15.75	67490	463071	Endrin	0.160000	421806	
15.82	15.74	15.88	58597	393458	4,4'-DDD	0.160000	366225	
16.01			121					
16.16	16.09	16.23	65978	450326	Endosulfan II	0.160000	412356	
16.32			394					
16.42	16.35	16.49	66592	454781	4,4'-DDT	0.160000	416194	
16.94			123					
17.07	17.00	17.14	50408	348470	Endrin Aldehyde	0.160000	315050	
17.44	17.37	17.51	136783	194359	Methoxychlor	0.800000	170977	
17.61			647					
18.00	17.93	18.07	56525	392055	Endosulfan sulfate	0.160000	353275	
18.28			1187					
18.60	18.53	18.67	67095	457258	Endrin Ketone	0.160000	419337	
18.96			137					
20.30			252					
20.70	20.63	20.77	54511	408350	Decachlorobiphenyl	0.160000	340687	

AHW
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Data File: /chem/tracegc84.i/j100528.b/009j0E27012-ARC1.d

Page 1

Date : 28-MAY-2010 20:43

Client ID: TOXAPH3HA

Instrument: tracegc84.i

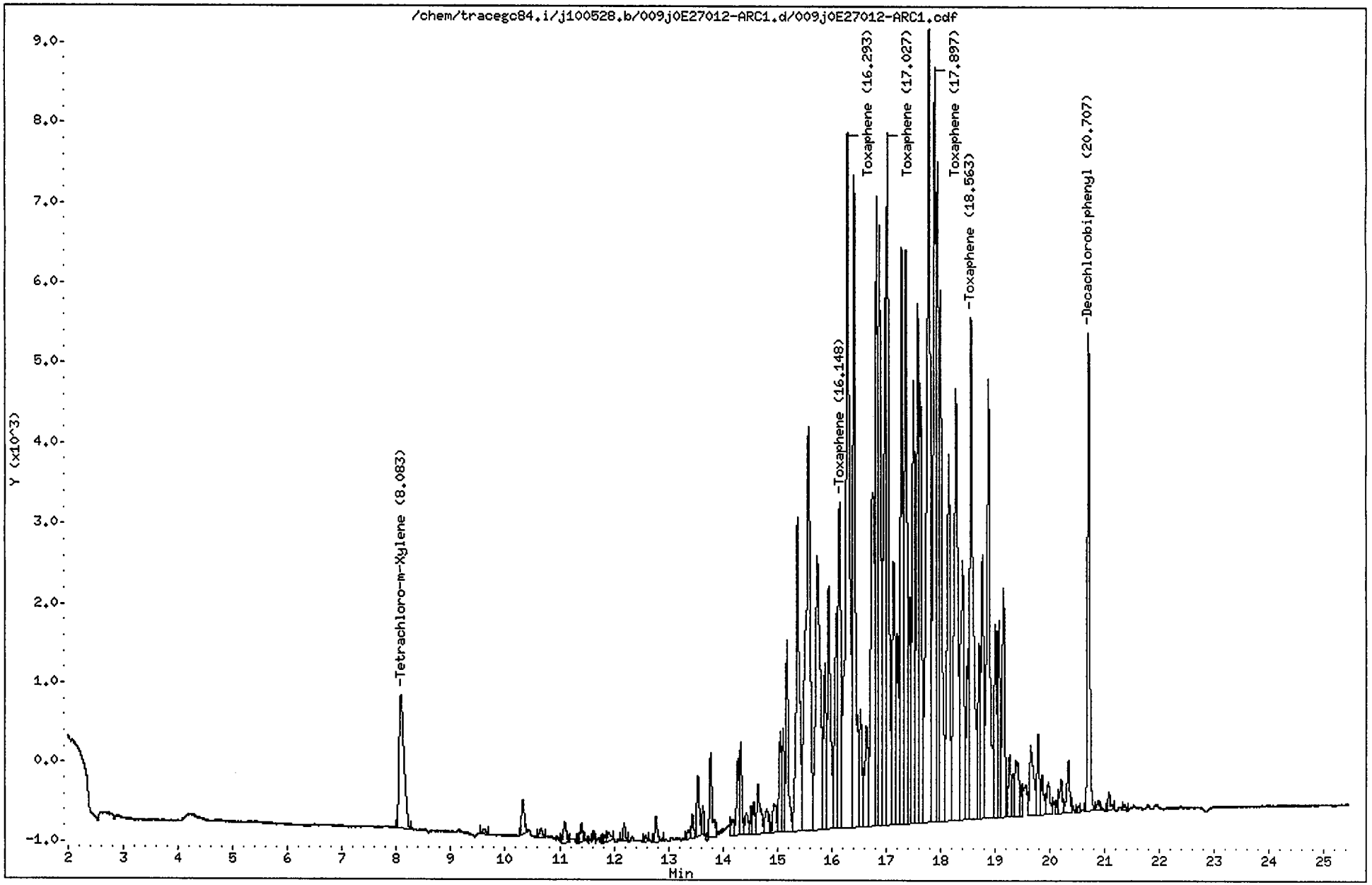
Sample Info: 0E27012-ARC1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC1 Client Smp Id : TOXAPH3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 28-MAY-2010 20:43 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : TOXAPH3HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.56			24358					
8.08	8.01	8.15	10558	522758	Tetrachloro-m-Xylene	0.020000	518200	
9.62			309					
10.33			1568					
10.66			402					
11.09			990					
11.40			779					
11.82			202					
11.90			506					
12.19			648					
12.58			176					
12.77			1115					
13.37			390					
13.45			773					
13.54			2468					
13.64			912					
13.78			3494					
14.18			680					
14.28			2861					
14.33			3309					
14.43			1100					
14.52			832					
14.57			1207					
14.65			2838					
14.81			1346					
14.93			1597					
15.05			3875					
15.11			3435					
15.18			7871					
15.37			16420					
15.57			29577					
15.74			21775					
15.88			6318					
15.95			11917					
16.09			9879					
16.15	16.08	16.22	14843	7421	Toxaphene Peak 1	2.000000	7421.000	
16.29	16.22	16.36	41666	20833	Toxaphene Peak 2	2.000000	20833	
16.41			28617					
16.53			4507					
16.64			6293					
16.75			19518					
16.83			22191					

2M

AHW
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AHW
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CompuChem

Lab Smp Id : 0E27012-ARC1 Client Smp Id : TOXAPH3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 28-MAY-2010 20:43 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : TOXAPH3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
16.88		23512					
16.99		21348					
17.03	16.96 17.10	28626	14312	Toxaphene Peak 3	2.000000	14313	
17.14		13251					
17.21		7060					
17.29		23121					
17.36		25594					
17.44		7892					
17.50		17368					
17.59		21427					
17.64		16338					
17.79		44953					
17.90	17.83 17.97	32621	16310	Toxaphene Peak 4	2.000000	16310	
17.95		23314					
18.00		21781					
18.15		17931					
18.28		26018					
18.41		15580					
18.50		6059					
18.56	18.49 18.63	26685	13342	Toxaphene Peak 5	2.000000	13342	
18.71		6666					
18.77		11185					
18.88		22226					
19.01		7578					
19.07		7754					
19.16		9352					
19.27		2707					
19.32		1421					
19.39		3544					
19.49		1084					
19.65		4444					
19.79		3103					
19.86		1723					
19.98		1738					
20.15		447					
20.21		1465					
20.34		2484					
20.53		193					
20.71	20.63 20.77	17009	408350	Decachlorobiphenyl	0.040000	403000	
20.89		448					
21.07		713					
21.36		207					

ZM

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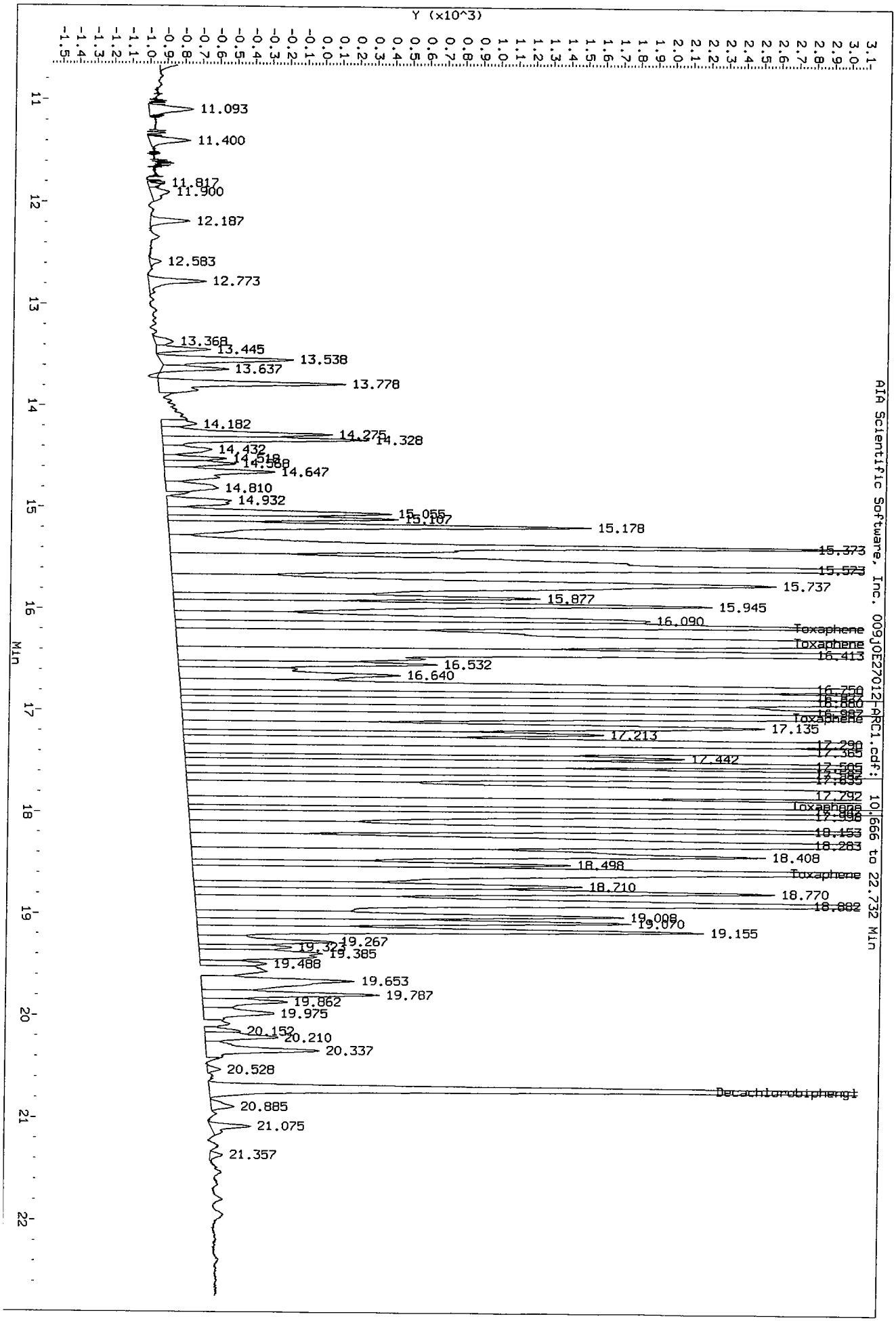
AHW 6/1/10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Injection Date: 28-MAY-2010 20:43
Instrument: tracegc84.i
Client Sample ID: TOXAPH3HA
Y (x10^3)
AIA Scientific Software, Inc. 009j0E27012-ARC1.cdf: 10.666 to 22.732 Min
Min
11.093
11.400
11.817
11.900
12.187
12.583
12.773
13.368
13.445
13.538
13.637
13.778
14.182
14.275
14.328
14.432
14.647
14.810
14.932
15.178
15.373
15.573
15.737
15.877
15.945
16.090
Toxaphene
Toxaphene
16.413
16.532
16.640
Toxaphene
17.135
17.213
17.442
17.792
Toxaphene
18.153
18.283
18.408
18.498
Toxaphene
18.710
18.770
18.882
19.008
19.070
19.155
19.267
19.385
19.488
19.653
19.787
19.862
19.975
20.152
20.210
20.337
20.528
Decachlorobiphenyl
20.885
21.075
21.357

Data File: /chem/tracegc84.i/j100528.b/010j0E27012-ARC2.d

Date : 28-MAY-2010 21:11

Client ID: CHLORO3HA

Sample Info: 0E27012-ARC2

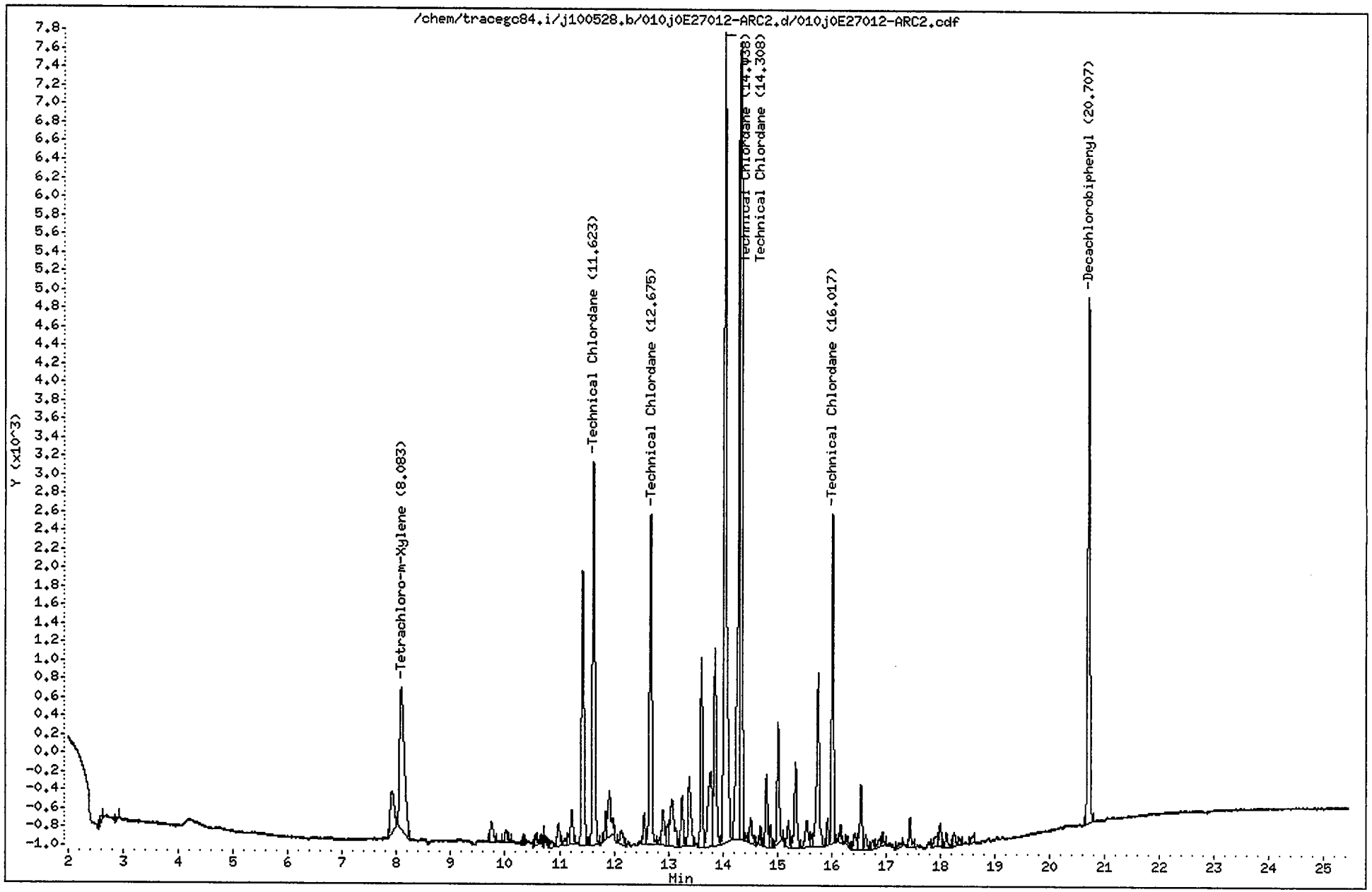
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC2 Client Smp Id : CHLORO3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TechChlor
Inj Date : 28-MAY-2010 21:11 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : CHLORO3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.55		3144					
2.61		236					
2.89		132					
7.91		2292					
8.08	8.01 8.15	9295	522758	Tetrachloro-m-Xylene	0.020000	518200	
9.74		872					
10.02		546					
10.35		172					
10.55		303					
10.71		194					
10.82		301					
10.98		819					
11.10		232					
11.17		249					
11.22		1199					
11.42		9327					
11.62	11.55 11.69	12816	32040	TechnicalChlordane Peak 1	0.400000	32040	
11.85		777					
11.91		1992					
12.13		661					
12.55		847					
12.68	12.61 12.75	10802	27002	TechnicalChlordane Peak 2	0.400000	27003	
12.84		186					
12.90		1323					
12.98		581					
13.06		2773					
13.25		1605					
13.38		2661					
13.61		5322					
13.78		4299					
13.86		6651					
14.04	13.97 14.11	27683	69208	TechnicalChlordane Peak 3	0.400000	69207	
14.31	14.24 14.38	21396	53488	TechnicalChlordane Peak 4	0.400000	53487	
14.33		21026					
14.43		147					
14.51		948					
14.69		425					
14.80		2186					
14.87		657					
15.01		3629					
15.21		847					
15.34		3048					

AHW
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CompuChem

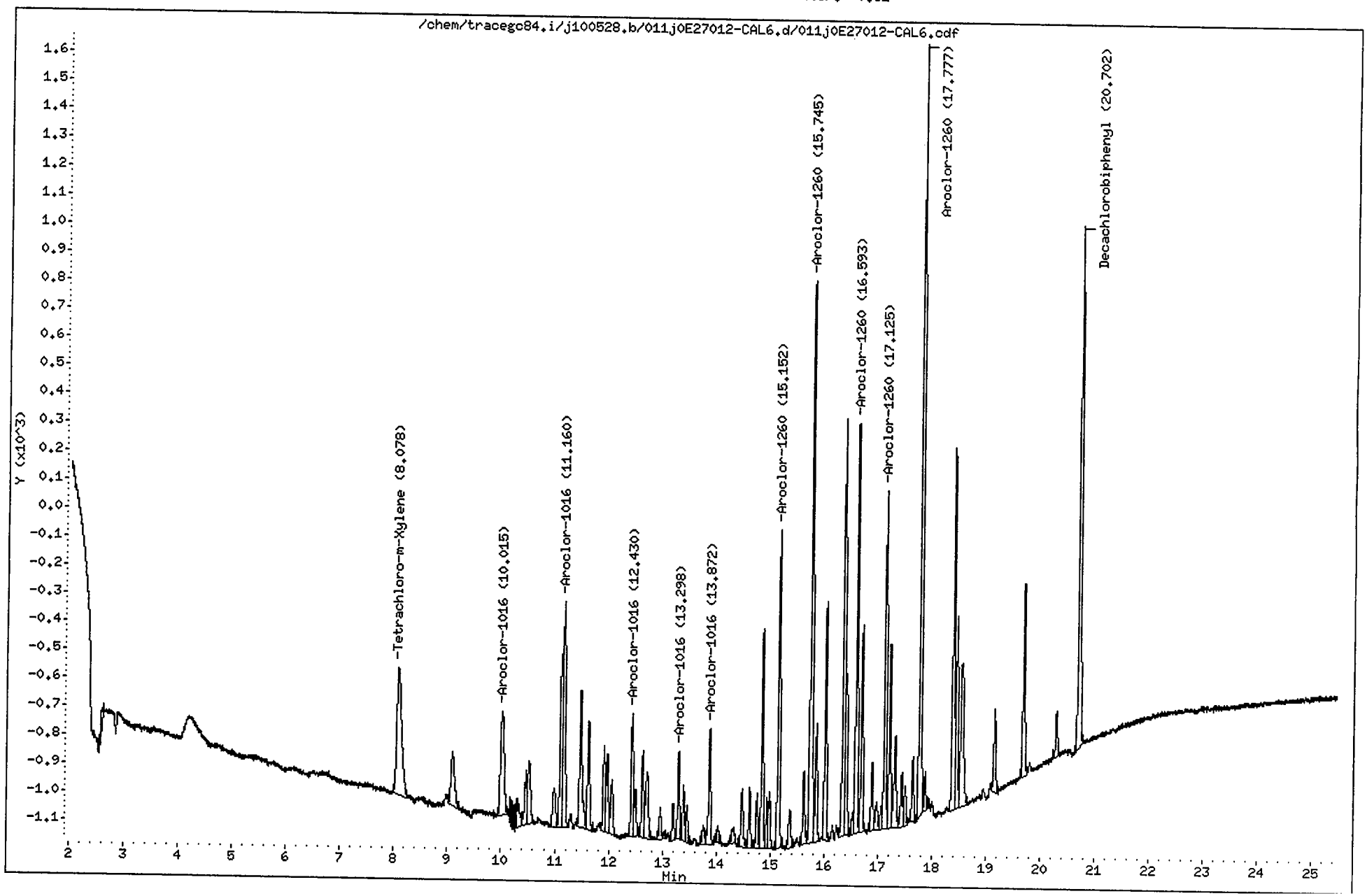
Lab Smp Id : 0E27012-ARC2 Client Smp Id : CHLORO3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TechChlor
Inj Date : 28-MAY-2010 21:11 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : CHLORO3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.54		1136					
15.62		313					
15.75		6299					
15.93		682					
16.02	15.95 16.09	8940	22350	TechnicalChlordane Peak 5	0.400000	22350	
16.17		448					
16.29		241					
16.43		614					
16.54		2122					
16.63		473					
16.76		303					
16.88		290					
16.95		347					
17.25		149					
17.44		877					
17.89		575					
18.00		694					
18.11		452					
18.25		444					
18.36		149					
18.57		251					
20.71	20.63 20.77	15746	408350	Decachlorobiphenyl	0.040000	403000	

Data File: /chem/tracegc84.i/j100528.b/011j0E27012-CAL6.d
Date : 28-MAY-2010 21:40
Client ID: AR16601HA
Sample Info: 0E27012-CAL6
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL6 Client Smp Id : AR16601HA
Sample Type : INITIAL CAL: Level 1 Sublist : AR1660
Inj Date : 28-MAY-2010 21:40 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16601HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.56		3520					
2.59		170					
8.08	8.01 8.15	2767	522758	Tetrachloro-m-Xylene	0.005000	537800	
9.09		902					
10.02	9.95 10.09	1704	15485	Aroclor-1016 Peak 1	0.100000	17040	
10.30		383					
10.46		489					
10.52		870					
10.98		528					
11.11		1558					
11.16	11.09 11.23	2521	22974	Aroclor-1016 Peak 2	0.100000	25200	
11.47		1557					
11.62		1096					
11.91		804					
11.97		780					
12.06		587					
12.43	12.36 12.50	1156	10563	Aroclor-1016 Peak 3	0.100000	11560	
12.49		414					
12.63		808					
12.72		911					
12.96		316					
13.20		306					
13.30	13.23 13.37	745	6997	Aroclor-1016 Peak 4	0.100000	7450.000	
13.39		506					
13.46		304					
13.77		199					
13.87	13.81 13.95	1131	10047	Aroclor-1016 Peak 5	0.100000	11310	
14.03		153					
14.30		186					
14.48		587					
14.62		512					
14.75		471					
14.85		1852					
14.94		401					
14.98		478					
15.15	15.08 15.22	2767	23522	Aroclor-1260 Peak 1	0.100000	27660	
15.36		403					
15.62		649					
15.74	15.68 15.82	5499	46694	Aroclor-1260 Peak 2	0.100000	54980	
15.85		1061					
16.02		2074					
16.35		3908					

AHW
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CompuChem

Lab Smp Id : 0E27012-CAL6 Client Smp Id : AR16601HA
Sample Type : INITIAL CAL: Level 1 Sublist : AR1660
Inj Date : 28-MAY-2010 21:40 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16601HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
16.41		1447					
16.53		138					
16.59	16.53 16.67	3561	30634	Aroclor-1260 Peak 3	0.100000	35610	
16.70		1748					
16.89		619					
16.98		267					
17.06		185					
17.12	17.06 17.20	2961	25456	Aroclor-1260 Peak 4	0.100000	29610	
17.21		1590					
17.32		996					
17.44		512					
17.50		339					
17.65		558					
17.78	17.71 17.85	6708	57759	Aroclor-1260 Peak 5	0.100000	67080	
17.87		305					
18.39		3123					
18.45		1664					
18.54		2061					
19.16		730					
19.69		1693					
20.29		371					
20.70	20.63 20.77	4944	408350	Decachlorobiphenyl	0.010000	482100	

Data File: /chem/tracegc84.i/j100528.b/012j0E27012-CAL7.d

Date : 28-MAY-2010 22:10

Client ID: AR16602HA

Sample Info: 0E27012-CAL7

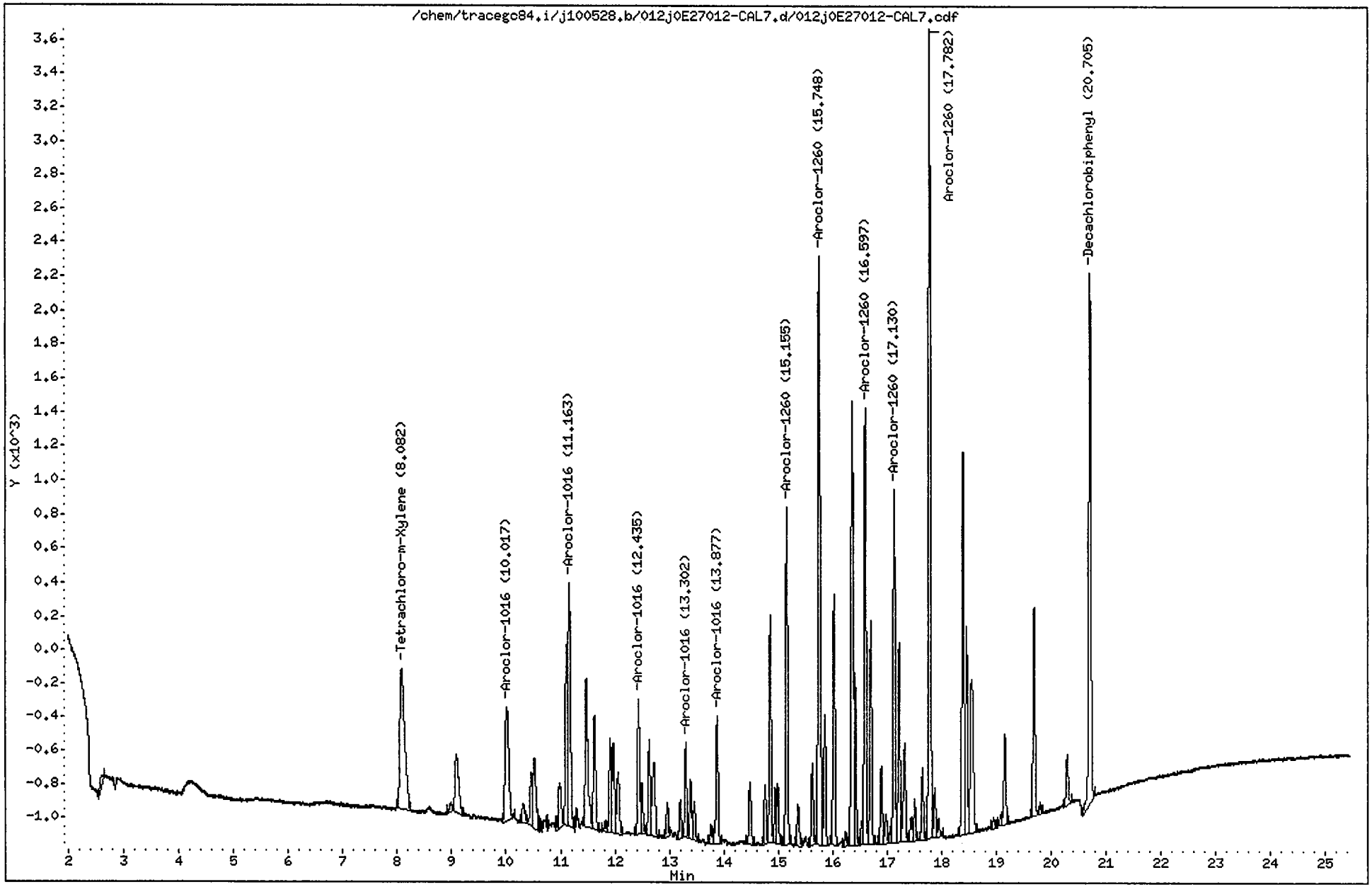
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL7 Client Smp Id : AR16602HA
Sample Type : INITIAL CAL: Level 2 Sublist : AR1660
Inj Date : 28-MAY-2010 22:10 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16602HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.56		3394					
2.62		287					
8.08	8.01 8.15	5111	522758	Tetrachloro-m-Xylene	0.010000	545600	
8.98		168					
9.09		1587					
10.02	9.95 10.09	3202	15485	Aroclor-1016 Peak 1	0.200000	16010	
10.32		401					
10.47		855					
10.53		1721					
10.95		194					
10.99		893					
11.11		2453					
11.16	11.09 11.23	4955	22974	Aroclor-1016 Peak 2	0.200000	24775	
11.48		2978					
11.63		1965					
11.83		175					
11.91		1534					
11.97		1482					
12.06		1224					
12.44	12.36 12.50	2175	10563	Aroclor-1016 Peak 3	0.200000	10870	
12.50		784					
12.63		1476					
12.72		1715					
12.96		496					
13.20		546					
13.30	13.23 13.37	1376	6997	Aroclor-1016 Peak 4	0.200000	6875.000	
13.39		893					
13.46		572					
13.77		273					
13.88	13.81 13.95	2082	10047	Aroclor-1016 Peak 5	0.200000	10405	
14.48		1031					
14.76		821					
14.85		3269					
14.94		740					
14.99		840					
15.16	15.08 15.22	4966	23522	Aroclor-1260 Peak 1	0.200000	24830	
15.37		690					
15.63		1165					
15.75	15.68 15.82	9746	46694	Aroclor-1260 Peak 2	0.200000	48725	
15.86		1914					
16.02		3785					
16.24		204					

AHW
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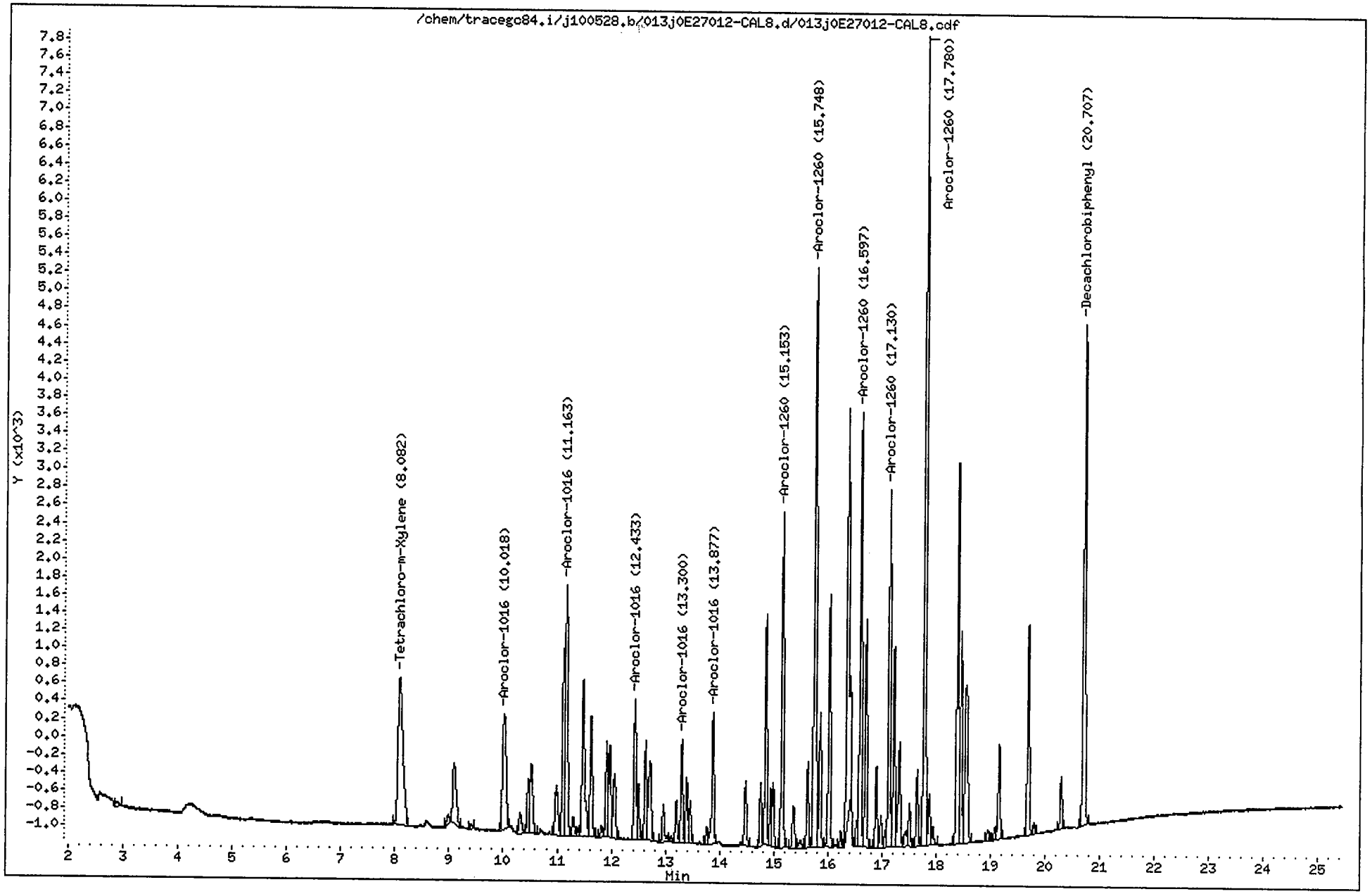
CompuChem

Lab Smp Id : 0E27012-CAL7 Client Smp Id : AR16602HA
Sample Type : INITIAL CAL: Level 2 Sublist : AR1660
Inj Date : 28-MAY-2010 22:10 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16602HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
16.36		7192					
16.41		2387					
16.53		279					
16.60	16.53 16.67	6472	30634	Aroclor-1260 Peak 3	0.200000	32360	
16.70		3267					
16.89		1120					
16.98		448					
17.05		200					
17.13	17.06 17.20	5313	25456	Aroclor-1260 Peak 4	0.200000	26565	
17.22		2891					
17.32		1753					
17.44		413					
17.51		561					
17.65		1014					
17.78	17.71 17.85	12048	57759	Aroclor-1260 Peak 5	0.200000	60240	
17.87		729					
17.94		293					
18.39		5771					
18.45		3059					
18.55		3649					
18.95		160					
19.08		156					
19.16		1411					
19.69		3081					
19.80		138					
20.29		789					
20.70	20.63 20.77	8841	408350	Decachlorobiphenyl	0.020000	446650	

Data File: /chem/tracegc84.i/j100528.b/013j0E27012-CAL8.d
Date : 28-MAY-2010 22:38
Client ID: AR16603HA
Sample Info: 0E27012-CAL8
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i
Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL8 Client Smp Id : AR16603HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1660
Inj Date : 28-MAY-2010 22:38 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16603HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.56		24150					
2.88		267					
8.08	8.01 8.15	10346	522758	Tetrachloro-m-Xylene	0.020000	518200	
8.99		354					
9.09		3161					
9.41		176					
10.02	9.95 10.09	6110	15485	Aroclor-1016 Peak 1	0.400000	15275	
10.32		841					
10.46		1618					
10.52		2899					
10.99		2044					
11.11		5325					
11.16	11.09 11.23	9213	22974	Aroclor-1016 Peak 2	0.400000	23033	
11.30		682					
11.38		210					
11.48		6114					
11.63		3897					
11.82		302					
11.91		2768					
11.97		2942					
12.06		2375					
12.43	12.36 12.50	4296	10563	Aroclor-1016 Peak 3	0.400000	10740	
12.50		1583					
12.63		2895					
12.72		3338					
12.96		1215					
13.11		157					
13.20		1187					
13.30	13.23 13.37	2917	6997	Aroclor-1016 Peak 4	0.400000	7290.000	
13.39		1889					
13.46		1219					
13.77		494					
13.88	13.81 13.95	3998	10047	Aroclor-1016 Peak 5	0.400000	9995.000	
14.48		1969					
14.76		1640					
14.85		6318					
14.94		1482					
14.99		1704					
15.15	15.08 15.22	9457	23522	Aroclor-1260 Peak 1	0.400000	23643	
15.36		1397					
15.49		293					
15.63		2355					

AHW
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CompuChem

Lab Smp Id : 0E27012-CAL8 Client Smp Id : AR16603HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1660
Inj Date : 28-MAY-2010 22:38 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16603HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.75	15.68 15.82	18648	46694	Aroclor-1260 Peak 2	0.400000	46620	
15.85		3801					
16.02		7349					
16.24		412					
16.36		15379					
16.53		642					
16.60	16.53 16.67	12252	30634	Aroclor-1260 Peak 3	0.400000	30627	
16.70		6322					
16.89		2203					
16.98		867					
17.06		395					
17.13	17.06 17.20	10256	25456	Aroclor-1260 Peak 4	0.400000	25640	
17.22		5637					
17.32		3467					
17.44		592					
17.51		1173					
17.65		2041					
17.78	17.71 17.85	22955	57759	Aroclor-1260 Peak 5	0.400000	57385	
17.87		1415					
17.94		520					
18.39		11047					
18.45		5878					
18.55		6954					
18.95		327					
19.08		343					
19.16		2847					
19.69		5998					
19.80		299					
20.30		1460					
20.71	20.63 20.77	15493	408350	Decachlorobiphenyl	0.040000	403000	

Data File: /chem/tracegc84.i/j100528.b/014j0E27012-CAL9.d

Date : 28-MAY-2010 23:07

Client ID: AR16604HA

Instrument: tracegc84.i

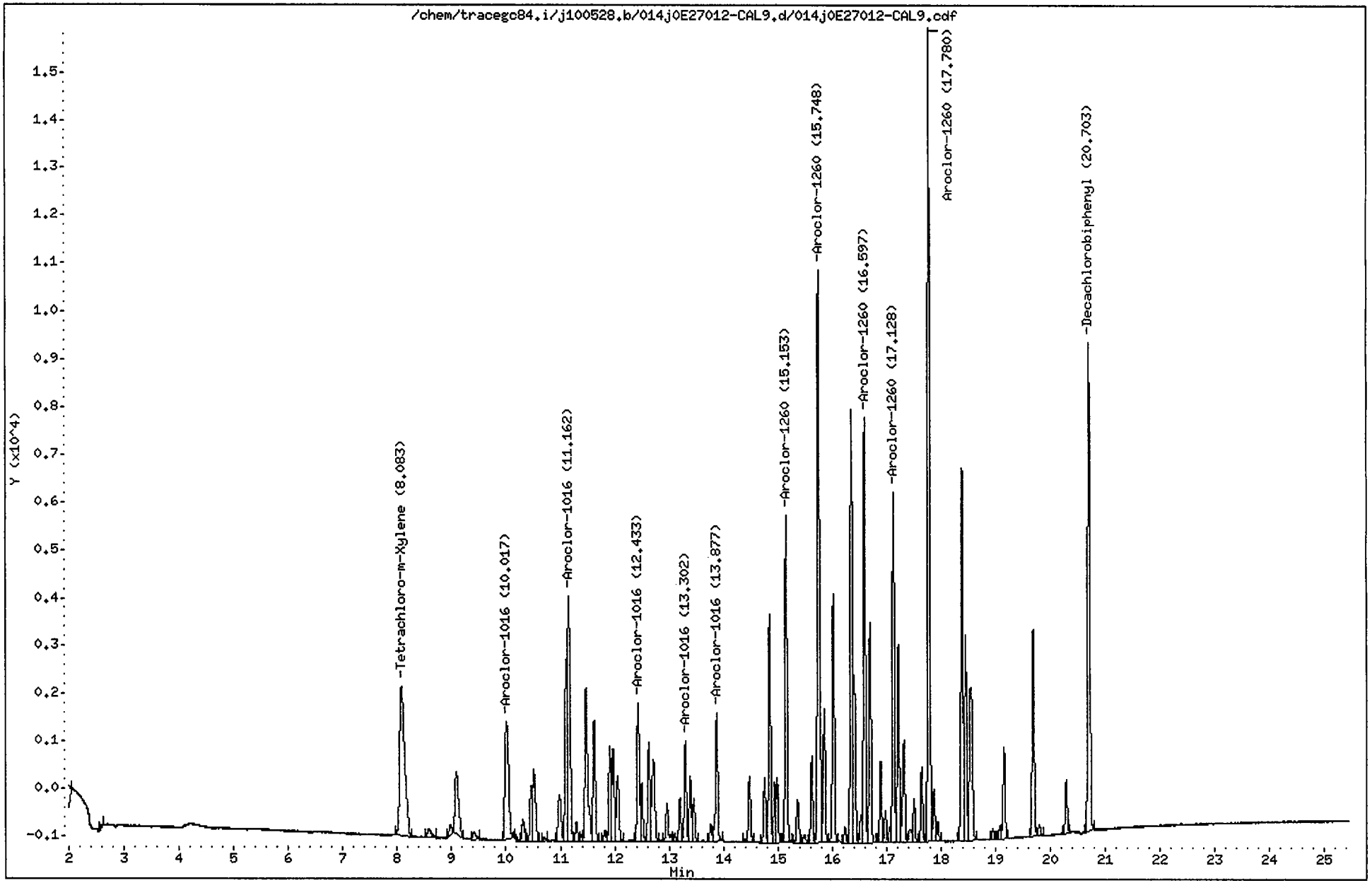
Sample Info: 0E27012-CAL9

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL9 Client Smp Id : AR16604HA
Sample Type : INITIAL CAL: Level 4 Sublist : AR1660
Inj Date : 28-MAY-2010 23:07 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16604HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.44		125					
1.56		25544					
2.60		153					
8.08	8.01 8.15	20185	522758	Tetrachloro-m-Xylene	0.040000	513275	
8.59		872					
8.98		657					
9.09		6109					
9.41		565					
10.02	9.95 10.09	11992	15485	Aroclor-1016 Peak 1	0.800000	14990	
10.31		1623					
10.47		3365					
10.52		5263					
10.71		191					
10.99		3888					
11.11		9659					
11.16	11.09 11.23	17361	22974	Aroclor-1016 Peak 2	0.800000	21701	
11.30		1192					
11.39		386					
11.47		11480					
11.63		7407					
11.82		660					
11.91		5385					
11.97		5650					
12.06		4523					
12.43	12.36 12.50	8185	10563	Aroclor-1016 Peak 3	0.800000	10230	
12.50		3221					
12.63		5585					
12.72		6541					
12.96		2515					
13.11		407					
13.20		2340					
13.30	13.23 13.37	5559	6997	Aroclor-1016 Peak 4	0.800000	6948.750	
13.39		3616					
13.46		2380					
13.77		956					
13.88	13.81 13.95	7714	10047	Aroclor-1016 Peak 5	0.800000	9642.500	
14.39		179					
14.47		3827					
14.76		3371					
14.85		12073					
14.94		3015					
14.99		3303					

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CompuChem

Lab Smp Id : 0E27012-CAL9 Client Smp Id : AR16604HA
Sample Type : INITIAL CAL: Level 4 Sublist : AR1660
Inj Date : 28-MAY-2010 23:07 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16604HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.15	15.08 15.22	17271	23522	Aroclor-1260 Peak 1	0.800000	21587	
15.37		2617					
15.50		557					
15.62		4436					
15.75	15.68 15.82	34379	46694	Aroclor-1260 Peak 2	0.800000	42974	
15.85		7021					
16.02		13737					
16.23		803					
16.36		25290					
16.41		8474					
16.53		1302					
16.60	16.53 16.67	22635	30634	Aroclor-1260 Peak 3	0.800000	28294	
16.70		11870					
16.89		4166					
16.98		1645					
17.05		713					
17.13	17.06 17.20	18884	25456	Aroclor-1260 Peak 4	0.800000	23605	
17.22		10385					
17.32		6517					
17.42		996					
17.50		2248					
17.65		3880					
17.78	17.71 17.85	42652	57759	Aroclor-1260 Peak 5	0.800000	53315	
17.87		2672					
17.94		950					
18.39		20345					
18.45		10856					
18.55		12918					
18.95		603					
19.08		650					
19.16		5250					
19.69		11058					
19.80		591					
20.29		2820					
20.70	20.63 20.77	28052	408350	Decachlorobiphenyl	0.080000	369313	

Data File: /chem/tracegc84.i/j100528.b/015j0E27012-CALA.d

Date : 28-MAY-2010 23:36

Client ID: AR16605HA

Instrument: tracegc84.i

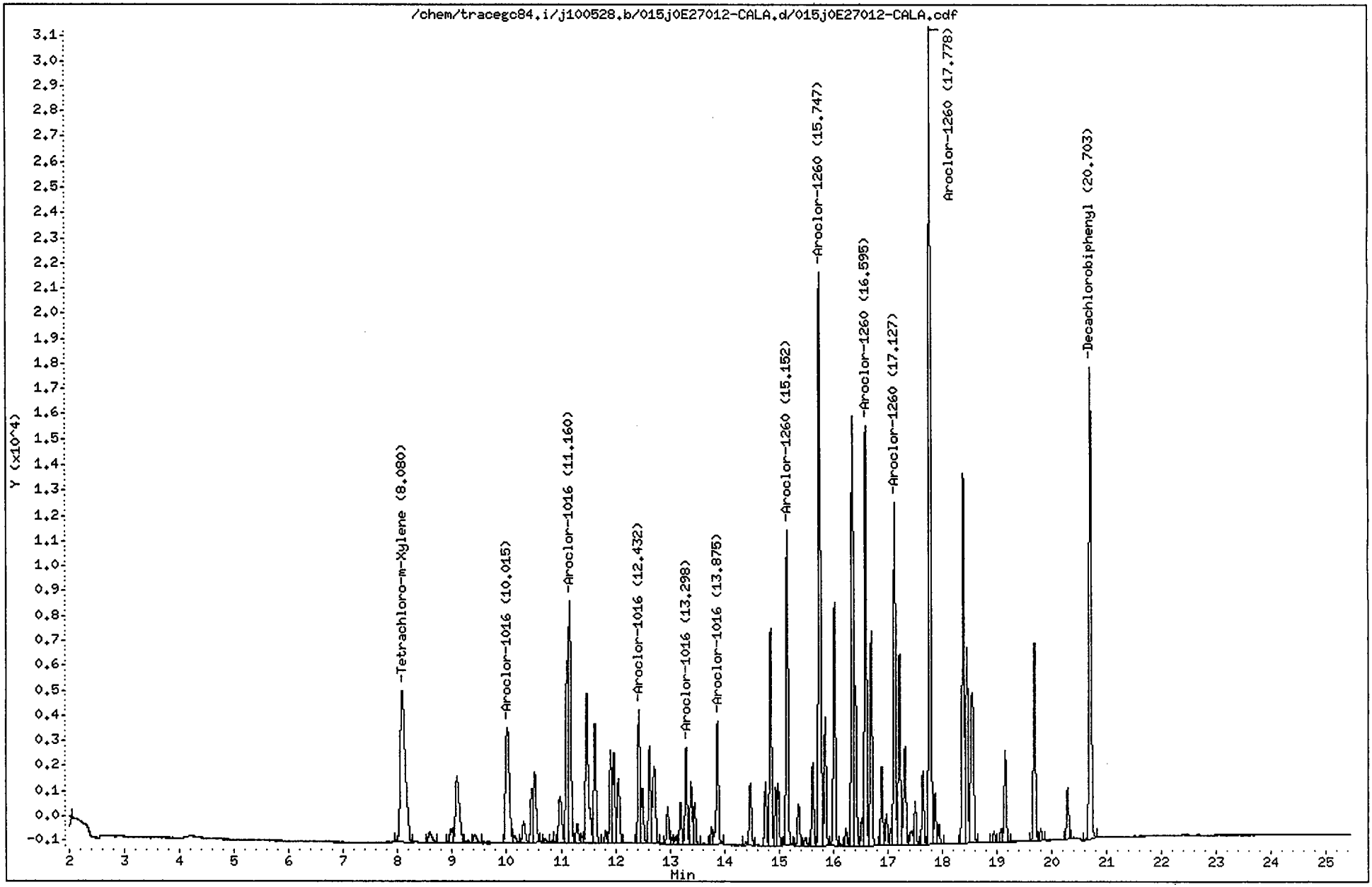
Sample Info: 0E27012-CALA

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CALA Client Smp Id : AR16605HA
Sample Type : INITIAL CAL: Level 5 Sublist : AR1660
Inj Date : 28-MAY-2010 23:36 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16605HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.44		136					
1.56		22796					
8.08	8.01 8.15	38541	522758	Tetrachloro-m-Xylene	0.080000	498913	
8.58		2097					
8.97		2115					
9.09		13363					
9.41		1315					
10.02	9.95 10.09	22577	15485	Aroclor-1016 Peak 1	1.600000	14111	
10.14		1046					
10.31		3107					
10.47		6161					
10.52		10007					
10.70		493					
10.86		130					
10.98		7446					
11.11		18142					
11.16	11.09 11.23	32256	22974	Aroclor-1016 Peak 2	1.600000	20160	
11.29		2414					
11.39		790					
11.47		21565					
11.62		14013					
11.82		1333					
11.91		10102					
11.97		10481					
12.05		8519					
12.43	12.36 12.50	15068	10563	Aroclor-1016 Peak 3	1.600000	9416.875	
12.49		6118					
12.63		10474					
12.72		12219					
12.96		4138					
13.03		666					
13.10		773					
13.20		4471					
13.30	13.23 13.37	10278	6997	Aroclor-1016 Peak 4	1.600000	6423.125	
13.39		6778					
13.45		4623					
13.76		1816					
13.88	13.81 13.95	14214	10047	Aroclor-1016 Peak 5	1.600000	8883.125	
14.39		257					
14.48		6972					
14.75		6257					
14.85		22143					

AHW
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CompuChem

Lab Smp Id : 0E27012-CALA Client Smp Id : AR16605HA
Sample Type : INITIAL CAL: Level 5 Sublist : AR1660
Inj Date : 28-MAY-2010 23:36 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16605HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
14.94		5693					
14.98		6157					
15.15	15.08 15.22	31824	23522	Aroclor-1260 Peak 1	1.600000	19889	
15.36		4930					
15.49		1046					
15.62		8213					
15.75	15.68 15.82	64274	46694	Aroclor-1260 Peak 2	1.600000	40171	
15.85		12877					
16.02		25491					
16.13		199					
16.23		1546					
16.35		47716					
16.41		15057					
16.53		2560					
16.60	16.53 16.67	42043	30634	Aroclor-1260 Peak 3	1.600000	26276	
16.70		21872					
16.89		7781					
16.98		3167					
17.05		1430					
17.13	17.06 17.20	34976	25456	Aroclor-1260 Peak 4	1.600000	21860	
17.22		19261					
17.32		12242					
17.43		2019					
17.50		4340					
17.65		7276					
17.78	17.71 17.85	81243	57759	Aroclor-1260 Peak 5	1.600000	50777	
17.87		5164					
17.94		1884					
18.39		38185					
18.45		19689					
18.54		23668					
18.95		1141					
19.08		1255					
19.16		9881					
19.69		20464					
19.80		1193					
20.29		5262					
20.70	20.63 20.77	51898	408350	Decachlorobiphenyl	0.160000	340687	

Data File: /chem/tracegc84.i/j100528.b/016j0E27012-ARC3.d

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Date : 29-MAY-2010 00:05

Client ID: AR12213HA

Instrument: tracegc84.i

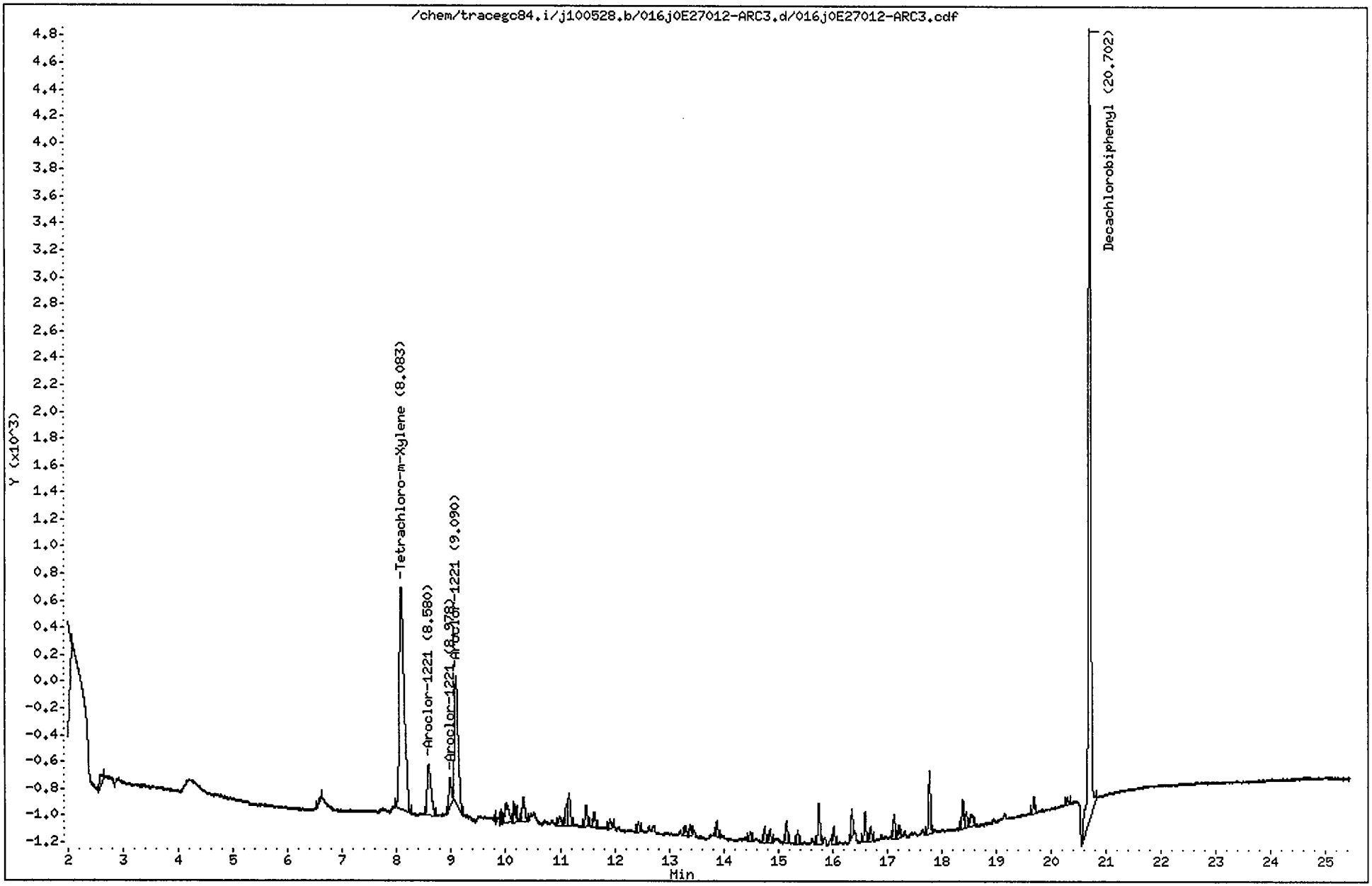
Sample Info: 0E27012-ARC3

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC3 Client Smp Id : AR12213HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1221
Inj Date : 29-MAY-2010 00:05 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR12213HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.56			46706					
2.59			246					
6.60			145					
8.08	8.01	8.15	10436	522758	Tetrachloro-m-Xylene	0.020000	518200	
8.58	8.51	8.65	1932	4828	Aroclor-1221 Peak 2	0.400000	4827.500	
8.98	8.91	9.05	681	1702	Aroclor-1221 Peak 3	0.400000	1702.500	
9.09	9.02	9.16	4396	10990	Aroclor-1221 Peak 4	0.400000	10990	
10.00			677					
10.15			419					
10.33			647					
10.99			266					
11.12			393					
11.16			780					
11.48			448					
11.62			347					
11.92			222					
12.44			192					
13.30			205					
13.39			169					
13.88			264					
14.48			191					
14.75			287					
14.85			245					
15.15			395					
15.35			268					
15.74			845					
16.02			328					
16.36			480					
16.59			511					
16.70			249					
17.13			433					
17.21			227					
17.78			1137					
18.38			540					
18.45			277					
18.55			314					
19.69			302					
20.29			148					
20.70	20.63	20.77	17787	408350	Decachlorobiphenyl	0.040000	403000	

AHW
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Data File: /chem/tracegc84.i/j100528.b/017j0E27012-ARC4.d

Date : 29-MAY-2010 00:34

Client ID: AR12323HA

Instrument: tracegc84.i

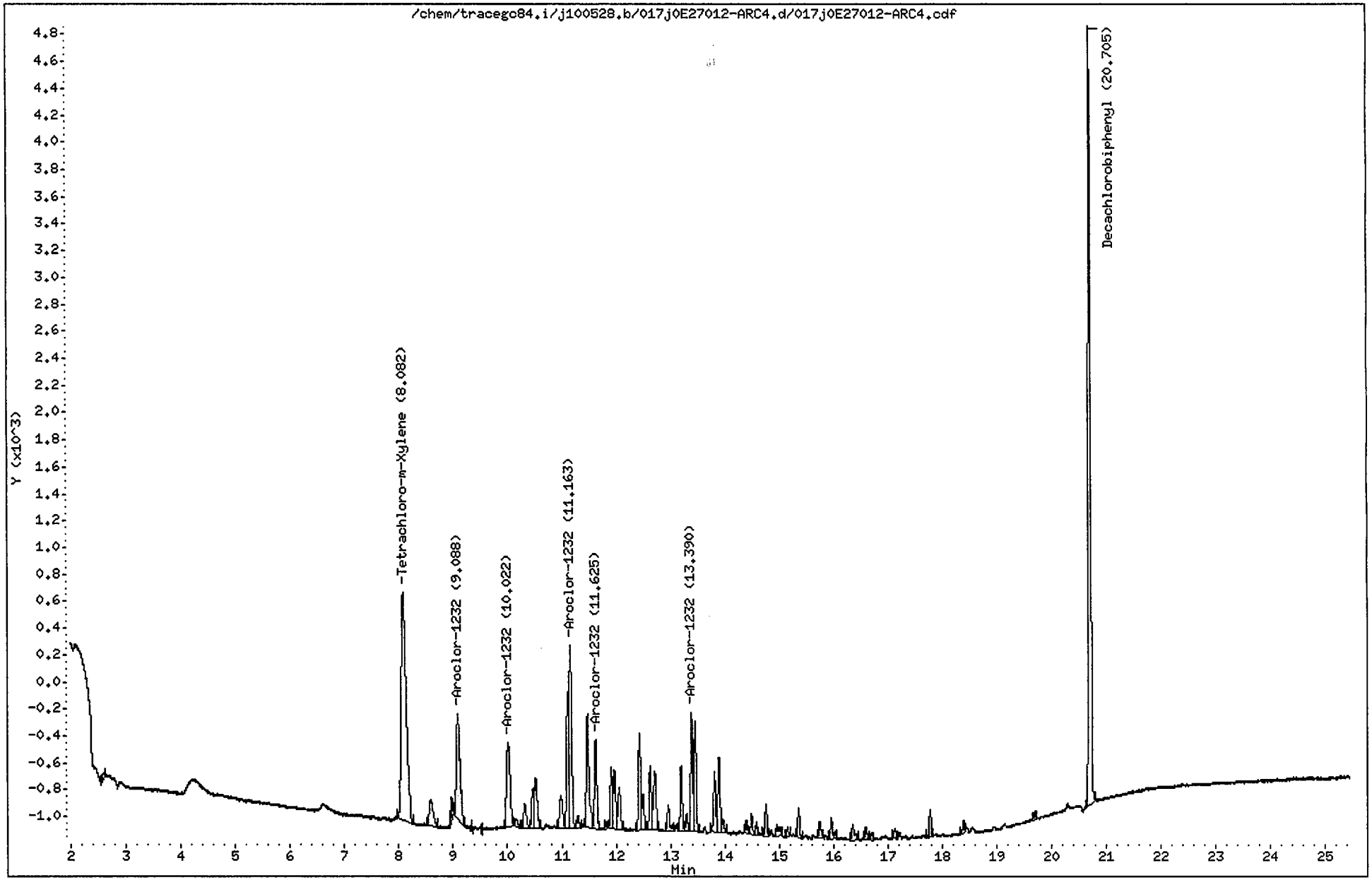
Sample Info: 0E27012-ARC4

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC4 Client Smp Id : AR12323HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1232
Inj Date : 29-MAY-2010 00:34 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR12323HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.56			23153					
2.59			142					
8.08	8.01	8.15	10692	522758	Tetrachloro-m-Xylene	0.020000	518200	
8.59			1062					
8.97			388					
9.09	9.02	9.16	3587	8968	Aroclor-1232 Peak 1	0.400000	8967.500	
10.02	9.95	10.09	2925	7312	Aroclor-1232 Peak 2	0.400000	7312.500	
10.16			195					
10.32			666					
10.46			729					
10.52			1411					
10.99			964					
11.11			2664					
11.16	11.09	11.23	4330	10825	Aroclor-1232 Peak 3	0.400000	10825	
11.30			252					
11.48			2752					
11.62	11.56	11.70	1875	4685	Aroclor-1232 Peak 4	0.400000	4685.000	
11.83			130					
11.91			1200					
11.97			1266					
12.06			993					
12.43			1930					
12.50			704					
12.63			1233					
12.72			1571					
12.96			599					
13.20			1217					
13.30			330					
13.39	13.32	13.46	2184	5460	Aroclor-1232 Peak 5	0.400000	5460.000	
13.46			2195					
13.81			1214					
13.90			1610					
13.96			261					
14.39			229					
14.49			374					
14.59			240					
14.76			583					
14.96			323					
15.15			151					
15.36			554					
15.74			334					
15.96			451					

AHW
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CompuChem

Lab Smp Id : 0E27012-ARC4 Client Smp Id : AR12323HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1232
Inj Date : 29-MAY-2010 00:34 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR12323HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
16.36		371					
16.59		223					
16.70		121					
17.13		177					
17.78		507					
18.39		203					
19.69		148					
20.70	20.63 20.77	15922	408350	Decachlorobiphenyl	0.040000	403000	

Data File: /chem/tracegc84.i/j100528.b/018j0E27012-ARC5.d

Date : 29-MAY-2010 01:03

Client ID: AR12423HA

Instrument: tracegc84.i

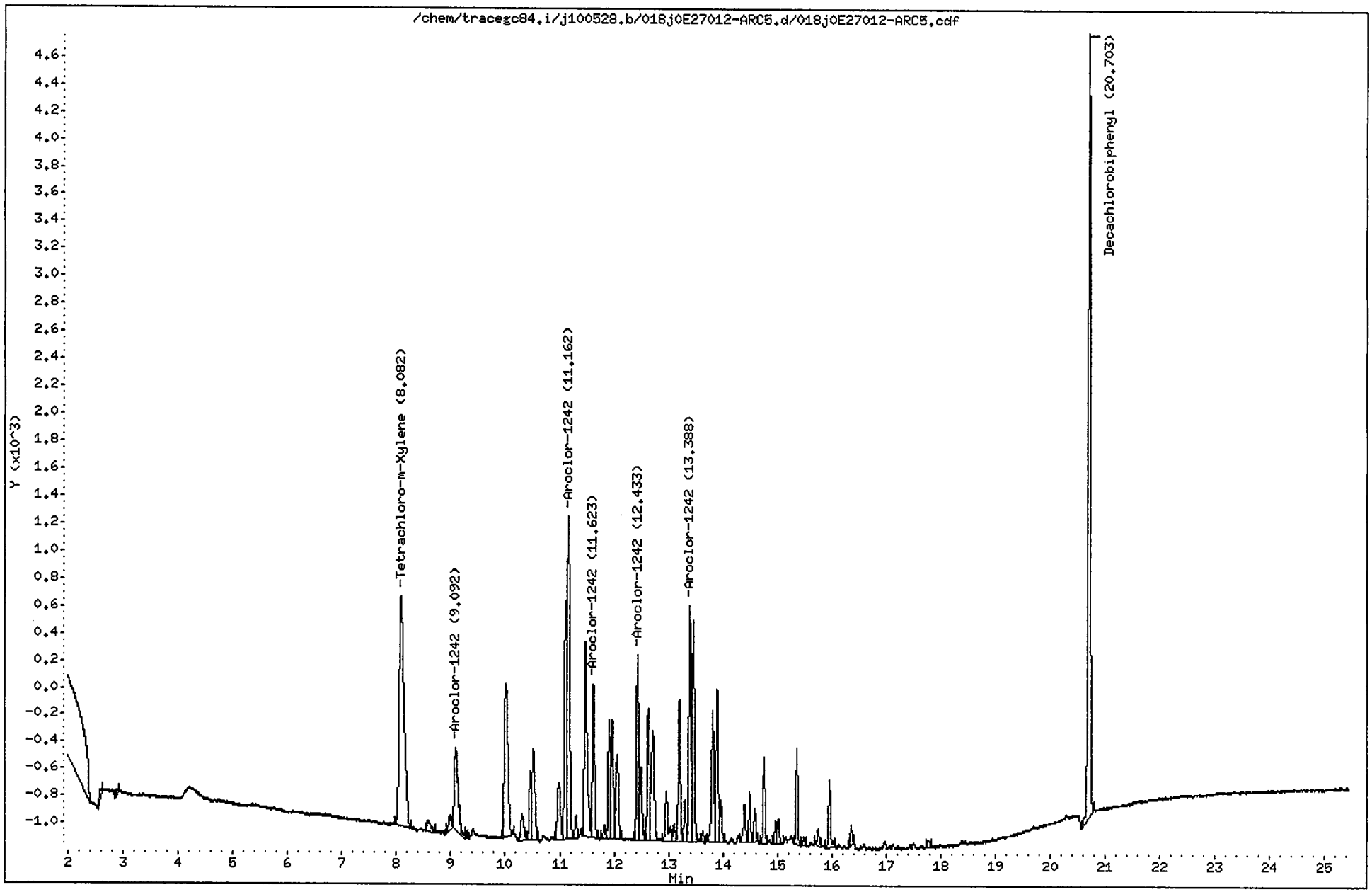
Sample Info: 0E27012-ARC5

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC5 Client Smp Id : AR12423HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1242
Inj Date : 29-MAY-2010 01:03 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR12423HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.45			268					
1.57			51914					
2.59			168					
2.88			149					
8.08	8.01	8.15	10697	522758	Tetrachloro-m-Xylene	0.020000	518200	
8.58			421					
8.97			453					
9.09	9.02	9.16	2993	7480	Aroclor-1242 Peak 1	0.400000	7480.000	
10.02			5302					
10.32			672					
10.47			1415					
10.52			2363					
10.99			1671					
11.11			4527					
11.16	11.09	11.23	7642	19102	Aroclor-1242 Peak 2	0.400000	19103	
11.30			461					
11.47			4930					
11.62	11.55	11.69	3237	8092	Aroclor-1242 Peak 3	0.400000	8092.500	
11.82			273					
11.91			2376					
11.97			2518					
12.06			2001					
12.43	12.36	12.50	3706	9262	Aroclor-1242 Peak 4	0.400000	9262.500	
12.49			1438					
12.63			2561					
12.72			3057					
12.96			1275					
13.10			313					
13.20			2678					
13.30			812					
13.39	13.32	13.46	4515	11288	Aroclor-1242 Peak 5	0.400000	11287	
13.46			4257					
13.63			207					
13.81			2818					
13.89			3385					
13.96			739					
14.39			756					
14.49			883					
14.59			574					
14.76			1518					
14.96			435					
15.02			461					

AHW
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CompuChem

Lab Smp Id : 0E27012-ARC5 Client Smp Id : AR12423HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1242
Inj Date : 29-MAY-2010 01:03 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR12423HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.36		1704					
15.49		134					
15.74		349					
15.96		1315					
16.36		348					
17.78		130					
20.70	20.63 20.77	16204	408350	Decachlorobiphenyl	0.040000	403000	

Data File: /chem/tracegc84.i/j100528.b/019j0E27012-ARC6.d

Date : 29-MAY-2010 01:32

Client ID: AR12483HA

Instrument: tracegc84.i

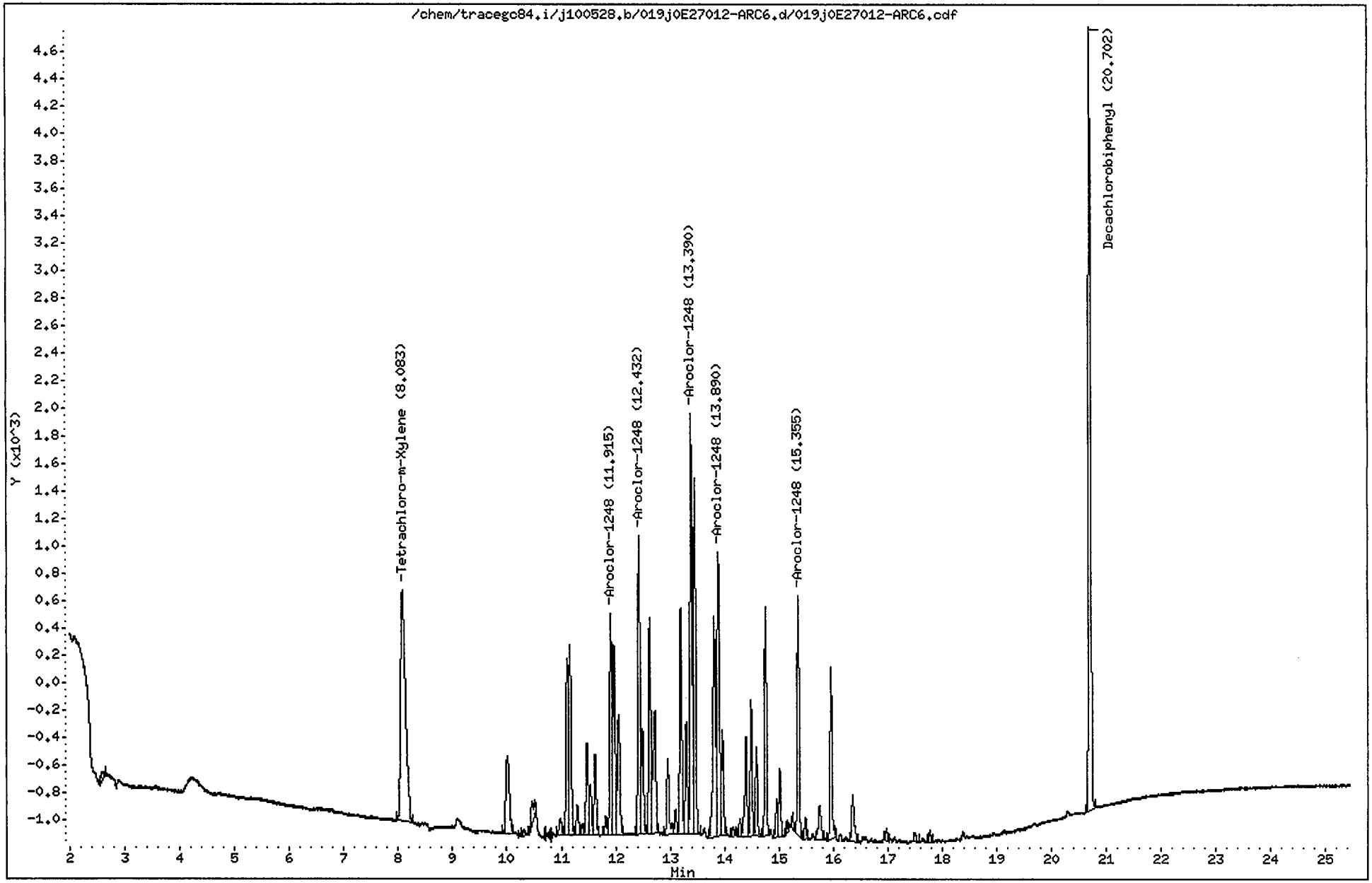
Sample Info: 0E27012-ARC6

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC6 Client Smp Id : AR12483HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1248
Inj Date : 29-MAY-2010 01:32 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR12483HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.57			26123					
2.59			199					
8.08	8.01	8.15	10582	522758	Tetrachloro-m-Xylene	0.020000	518200	
10.01			2614					
10.31			167					
10.47			703					
10.98			429					
11.11			3552					
11.16			4295					
11.30			638					
11.39			196					
11.48			1916					
11.53			1037					
11.63			1672					
11.82			396					
11.92	11.84	11.98	4449	11120	Aroclor-1248 Peak 1	0.400000	11120	
11.97			3850					
12.05			2890					
12.43	12.36	12.50	5968	14920	Aroclor-1248 Peak 2	0.400000	14920	
12.50			2000					
12.63			4254					
12.72			3299					
12.96			1648					
13.11			452					
13.20			4311					
13.30			2178					
13.39	13.32	13.46	8089	20220	Aroclor-1248 Peak 3	0.400000	20220	
13.46			6838					
13.81			5073					
13.89	13.82	13.96	6583	16458	Aroclor-1248 Peak 4	0.400000	16457	
13.96			1985					
14.16			160					
14.28			317					
14.39			2093					
14.49			2431					
14.58			1625					
14.76			4083					
14.96			726					
15.02			1270					
15.15			206					
15.25			263					
15.36	15.29	15.43	4153	10382	Aroclor-1248 Peak 5	0.400000	10383	

AHW
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CompuChem

Lab Smp Id : 0E27012-ARC6 Client Smp Id : AR12483HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1248
Inj Date : 29-MAY-2010 01:32 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR12483HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.49		369					
15.75		890					
15.96		3202					
16.36		1104					
16.98		203					
17.50		168					
17.77		204					
20.70	20.63 20.77	15735	408350	Decachlorobiphenyl	0.040000	403000	

Data File: /chem/tracegc84.i/j100528.b/020j0E27012-ARC7.d

Date : 29-MAY-2010 02:01

Client ID: AR12543HA

Instrument: tracegc84.i

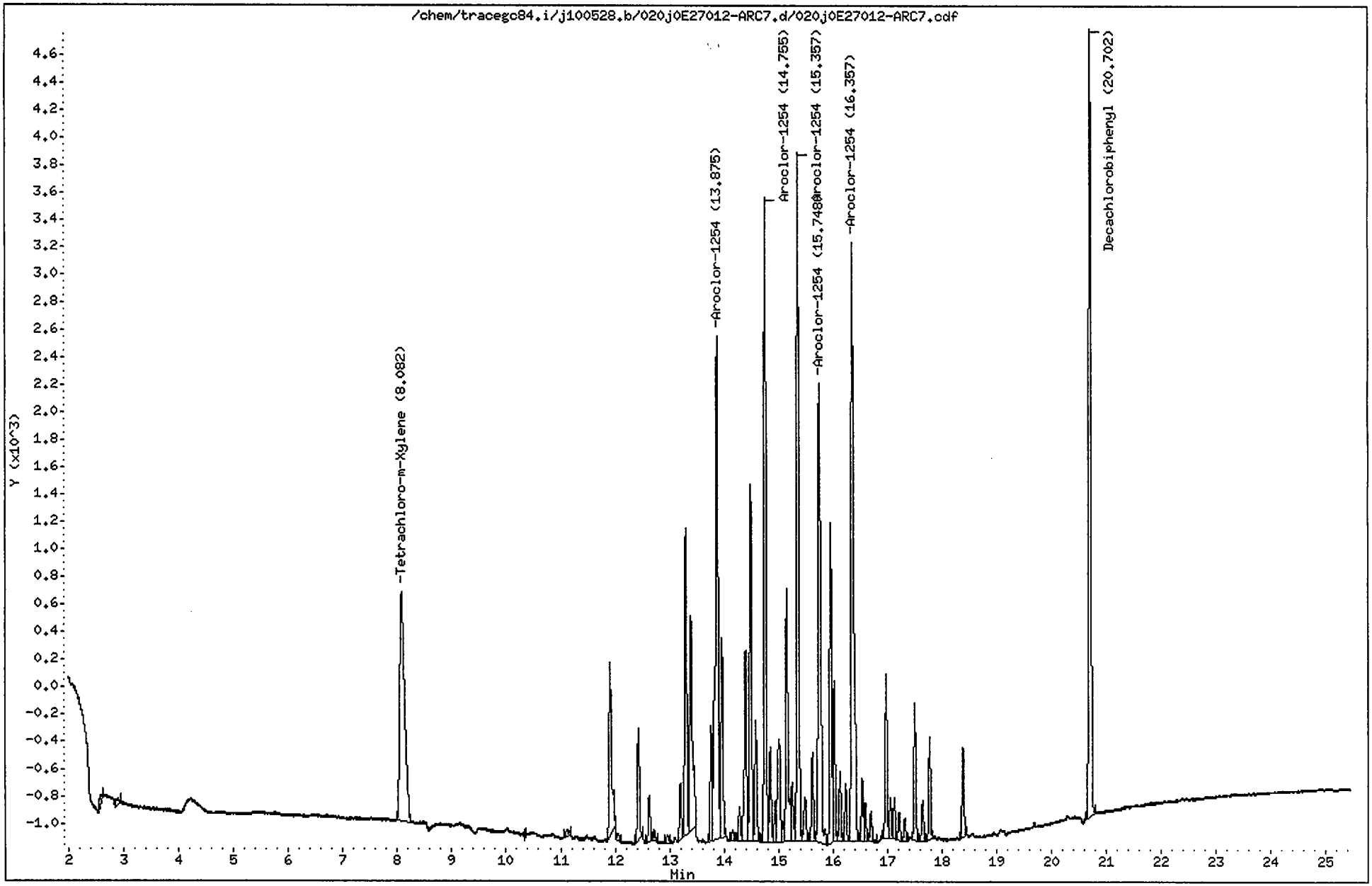
Sample Info: 0E27012-ARC7

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC7 Client Smp Id : AR12543HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1254
Inj Date : 29-MAY-2010 02:01 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR12543HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.57		3467					
2.60		226					
2.88		166					
8.08	8.01 8.15	10470	522758	Tetrachloro-m-Xylene	0.020000	518200	
11.11		211					
11.91		3962					
12.05		128					
12.43		2100					
12.63		859					
12.72		192					
12.96		157					
13.20		1002					
13.30		5700					
13.39		5431					
13.77		2080					
13.88	13.80 13.94	12324	30808	Aroclor-1254 Peak 1	0.400000	30807	
13.96		3770					
14.16		194					
14.28		607					
14.39		3914					
14.49		6797					
14.58		2204					
14.76	14.69 14.83	11839	29595	Aroclor-1254 Peak 2	0.400000	29595	
14.85		1701					
14.94		672					
15.01		2782					
15.08		305					
15.15		5184					
15.25		1211					
15.36	15.29 15.43	12857	32140	Aroclor-1254 Peak 3	0.400000	32140	
15.49		979					
15.63		1563					
15.75	15.68 15.82	11314	28282	Aroclor-1254 Peak 4	0.400000	28283	
15.96		5720					
16.02		2833					
16.13		1225					
16.23		983					
16.36	16.29 16.43	14550	36372	Aroclor-1254 Peak 5	0.400000	36373	
16.54		1171					
16.59		635					
16.70		560					
16.98		2984					

AHW
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CompuChem

Lab Smp Id : 0E27012-ARC7 Client Smp Id : AR12543HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1254
Inj Date : 29-MAY-2010 02:01 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR12543HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
17.06		685					
17.13		691					
17.21		479					
17.32		400					
17.51		2421					
17.65		710					
17.78		1824					
18.39		1563					
20.70	20.63 20.77	15780	408350	Decachlorobiphenyl	0.040000	403000	

Data File: /chem/tracegc84.i/j100528.b/021j0E27012-ICV1.d

Date : 29-MAY-2010 02:30

Client ID: PESTCHKHA

Instrument: tracegc84.i

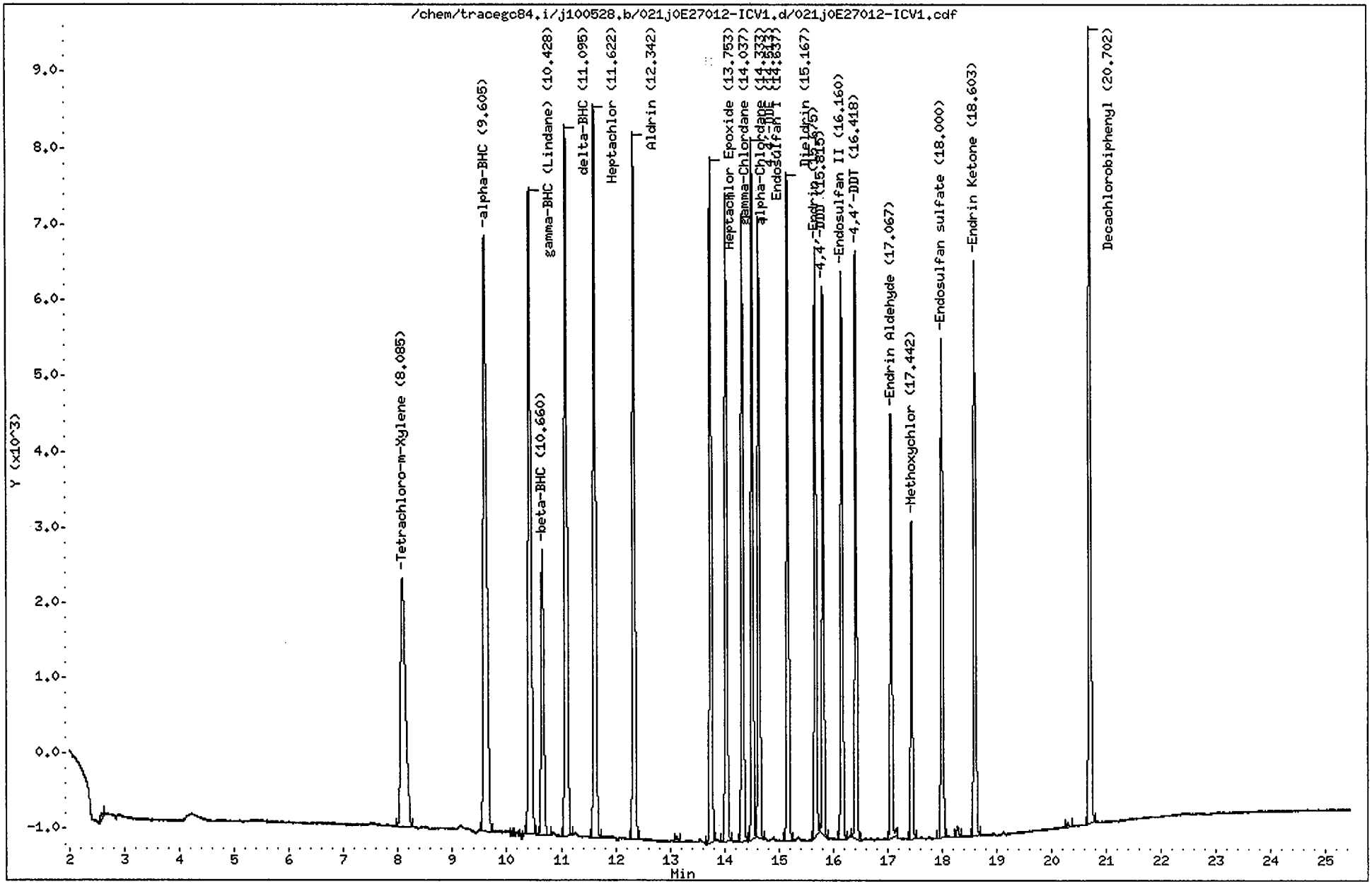
Sample Info: 0E27012-ICV1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ICV1 Client Smp Id : PESTCHKHA
Sample Type : QCCHECK Sublist : INDA
Inj Date : 29-MAY-2010 02:30 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : INDAchek
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : PESTCHKHA

RT	AREA
1.45	168
1.56	2609
2.59	185
8.09	20838
9.61	33942
10.07	164
10.43	30684
10.66	12917
11.10	30106
11.62	30001
12.34	27087
13.12	178
13.75	24133
14.04	22702
14.33	21763
14.51	22736
14.64	21593
15.17	22758
15.68	19965
15.81	17360
16.16	19654
16.42	18918
17.07	14675
17.44	10202
18.00	17176
18.28	398
18.60	20204
20.29	150
20.70	29005

AHW
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Data File: /chem/tracegc84.i/j100528.b/022j0E27012-ICV2.d

Date : 29-MAY-2010 02:59

Client ID: PCBCHKHA

Sample Info: 0E27012-ICV2

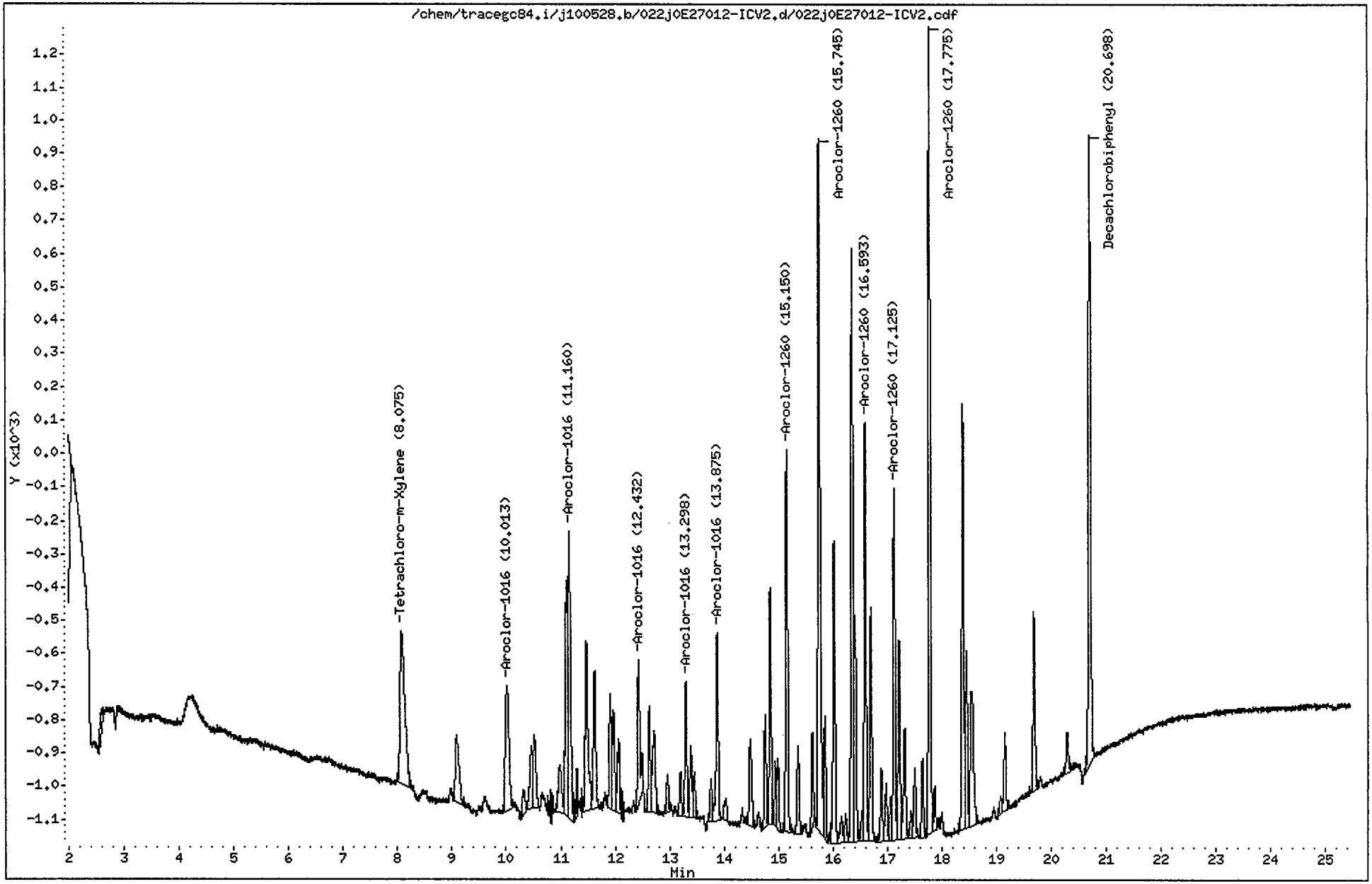
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ICV2 Client Smp Id : PCBCHKHA
Sample Type : QCCHECK Sublist : AR1660
Inj Date : 29-MAY-2010 02:59 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : AR1660OVchk
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : PCBCHKHA

RT	AREA
1.44	148
1.55	28239
2.61	180
8.07	2833
9.09	935
10.01	1774
10.32	262
10.46	595
10.52	780
10.98	605
11.12	1964
11.16	2804
11.31	251
11.47	1783
11.63	1199
11.91	764
11.97	958
12.06	674
12.43	1335
12.63	810
12.72	939
12.95	279
13.20	338
13.30	1039
13.39	557
13.46	354
13.76	334
13.87	1523
14.00	217
14.48	843
14.75	783
14.85	1665
14.94	433
14.98	491
15.15	2903
15.36	718
15.62	648
15.74	5974
15.85	942
16.02	2326
16.16	291
16.23	215
16.35	4828
16.41	1636
16.54	191

AHW
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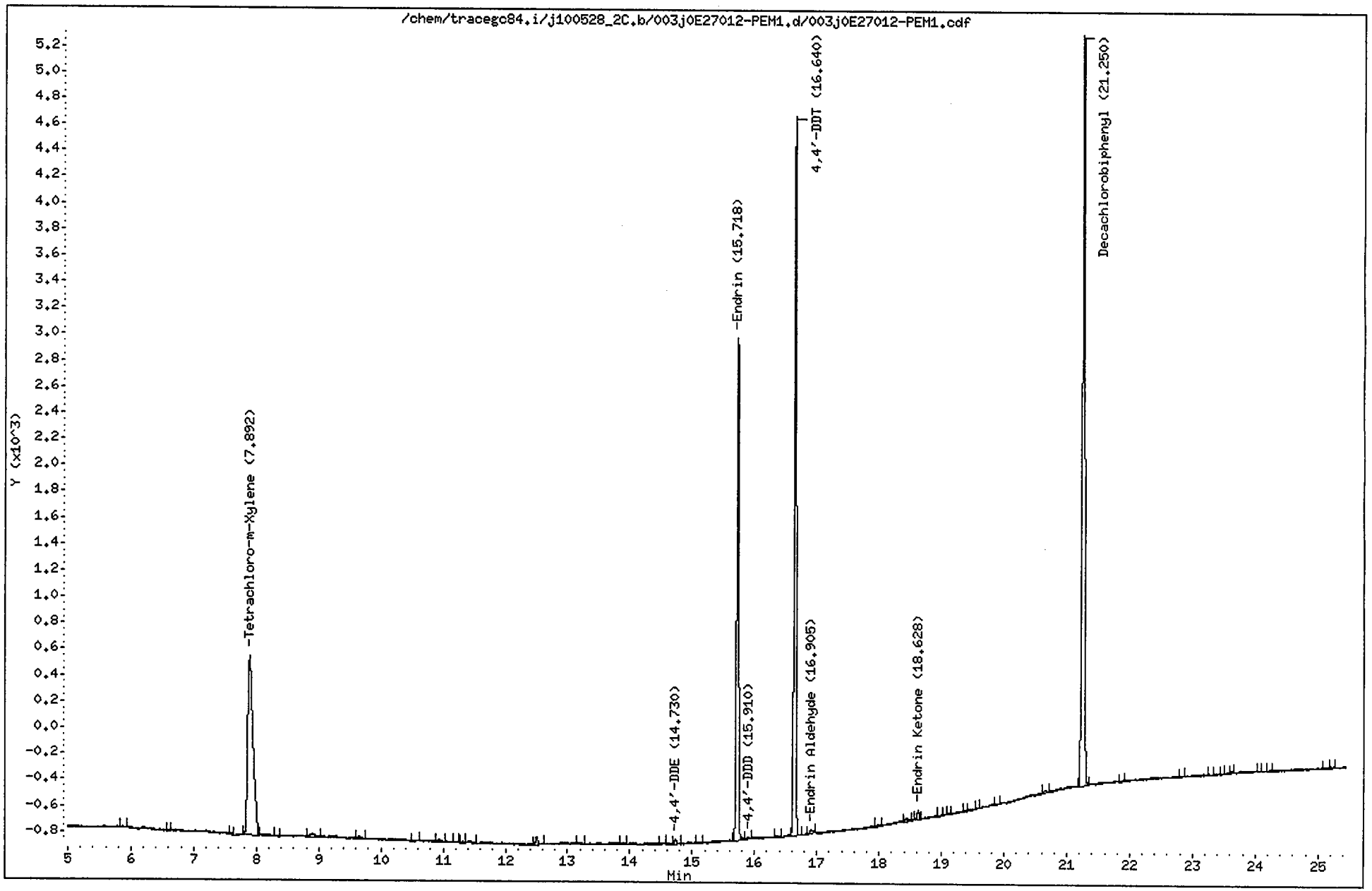
CompuChem

Lab Smp Id : 0E27012-ICV2 Client Smp Id : PCBCHKHA
Sample Type : QCCHECK Sublist : AR1660
Inj Date : 29-MAY-2010 02:59 Inst ID :
Operator : AHW Spike Sublist : AR1660OVchk
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : PCBCHKHA

RT	AREA
16.59	3115
16.70	1706
16.89	547
16.98	453
17.06	313
17.13	2630
17.21	1466
17.32	945
17.43	235
17.50	509
17.64	566
17.77	6042
17.87	287
18.39	3239
18.45	1267
18.54	1739
19.07	133
19.15	605
19.68	1320
20.29	320
20.70	5181

Data File: /chem/tracegc84.i/j100528_2C.b/003j0E27012-PEM1.d
Date : 28-MAY-2010 17:49
Client ID: PEMHA
Sample Info: 0E27012-PEM1
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc84.i
Operator: System
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-PEM1 Client Smp Id : PEMHA
Sample Type : SAMPLE Sublist : PEM
Inj Date : 28-MAY-2010 17:49 Inst ID : TRACEGC84
Operator : System
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : PEMHA

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
0.33			46								
0.39			31								
1.04			46								
1.40			153								
1.54			18183								
1.87			12847								
2.51			425								
2.64			78								
3.38			29								
3.43			32								
3.47			85								
4.40			27								
5.87			29								
6.60			22								
7.59			38								
7.89	7.82	7.96	8163	416798	Tetrachloro-m-Xylene	0.019585	0.019585		98.9	43 - 135	
8.30			22								
8.90			131								
9.64			83								
10.50			31								
10.92			73								
11.19			23								
11.32			29								
11.42			65								
12.50			174								
13.20			44								
13.91			43								
14.52			32								
14.73	14.67	14.81	94	468602	4,4'-DDE	0.000202	0.000202	0.020000			J
15.13			32								
15.72	15.65	15.79	8924	408649	Endrin	0.021839	0.021839	0.020000			
15.91	15.91	16.05	31	340626	4,4'-DDD	0.000090	0.000090	0.020000			J
16.35			38								
16.64	16.57	16.71	11745	405929	4,4'-DDT	0.028933	0.028933	0.020000			
16.90	16.83	16.97	101	316985	Endrin Aldehyde	0.000317	0.000317	0.020000			J
18.02			40								
18.43			82								

AHW
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CompuChem

Lab Smp Id : 0E27012-PEM1 Client Smp Id : PEMHA
Sample Type : SAMPLE Sublist : PEM
Inj Date : 28-MAY-2010 17:49 Inst ID :
Operator : System
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : PEMHA

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
18.63	18.56 18.70	175	419519	Endrin Ketone	0.000416	0.000416	0.020000			J
19.02		24								
19.11		24								
19.38		24								
19.59		21								
19.89		23								
20.65		75								
21.25	21.18 21.32	15537	406698	Decachlorobiphenyl	0.038202	0.038202		96.5	43 - 144	
21.86		24								
22.82		29								
23.27		32								
23.47		21								
23.61		22								
24.05		21								
24.23		24								
25.12		27								
25.21		34								

Data File: /chem/tracegc84.i/j100528_2C.b/004j0E27012-CAL1.d

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Date : 28-MAY-2010 18:18

Client ID: INDC1HA

Instrument: tracegc84.i

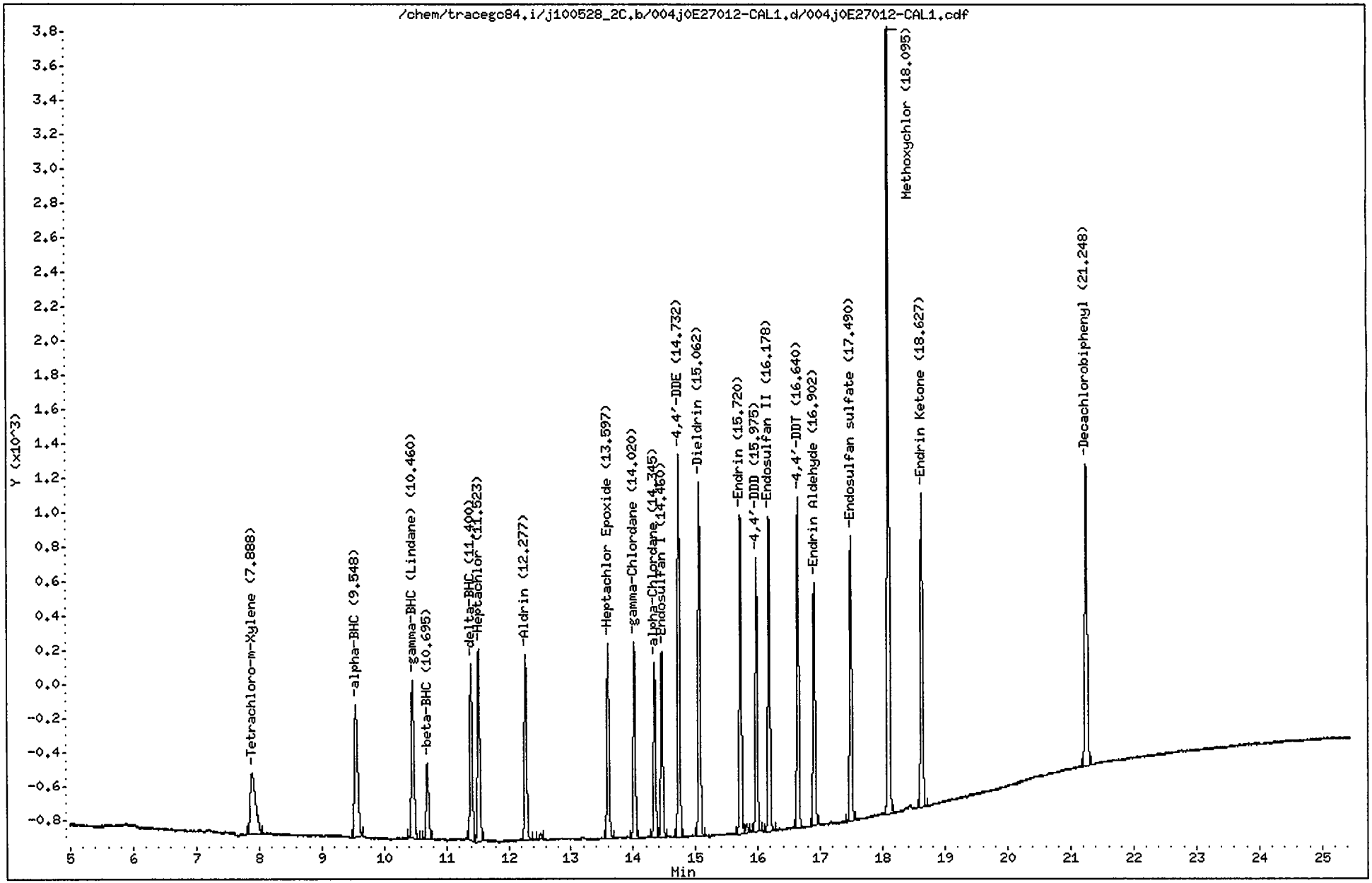
Sample Info: 0E27012-CAL1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL1 Client Smp Id : INDC1HA
Sample Type : INITIAL CAL: Level 1 Sublist : INDA
Inj Date : 28-MAY-2010 18:18 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : INDC1HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.55			166382					
7.89	7.82	7.96	2147	416798	Tetrachloro-m-Xylene	0.005000	429200	
9.55	9.48	9.62	2811	607758	alpha-BHC	0.005000	562000	
10.46	10.39	10.53	2794	585542	gamma-BHC (Lindane)	0.005000	558800	
10.70	10.63	10.77	1258	248610	beta-BHC	0.005000	251400	
11.40	11.33	11.47	2626	551235	delta-BHC	0.005000	525200	
11.52	11.45	11.59	3024	579497	Heptachlor	0.005500	549636	
12.28	12.21	12.35	2716	542192	Aldrin	0.005000	543000	
12.50			97					
13.60	13.53	13.67	2645	511912	Heptachlor Epoxide	0.005000	529000	
14.02	13.95	14.09	2635	513150	gamma-Chlordane	0.005000	526800	
14.34	14.28	14.42	2318	446248	alpha-Chlordane	0.005000	463600	
14.46	14.39	14.53	2487	477982	Endosulfan I	0.005000	497200	
14.73	14.66	14.80	4824	468602	4,4'-DDE	0.010000	482400	
15.06	14.99	15.13	4658	461929	Dieldrin	0.010000	465800	
15.72	15.65	15.79	4218	408649	Endrin	0.010000	421800	
15.82			116					
15.98	15.90	16.04	3337	340626	4,4'-DDD	0.010000	333600	
16.18	16.11	16.25	4221	404930	Endosulfan II	0.010000	422000	
16.64	16.57	16.71	4145	405929	4,4'-DDT	0.010000	414500	
16.90	16.83	16.97	3257	316985	Endrin Aldehyde	0.010000	325700	
17.49	17.42	17.56	3848	366674	Endosulfan sulfate	0.010000	384700	
18.10	18.02	18.16	10091	182916	Methoxychlor	0.050000	201820	
18.63	18.56	18.70	4349	419519	Endrin Ketone	0.010000	434900	
21.25	21.18	21.32	4660	406698	Decachlorobiphenyl	0.010000	466000	

AHW
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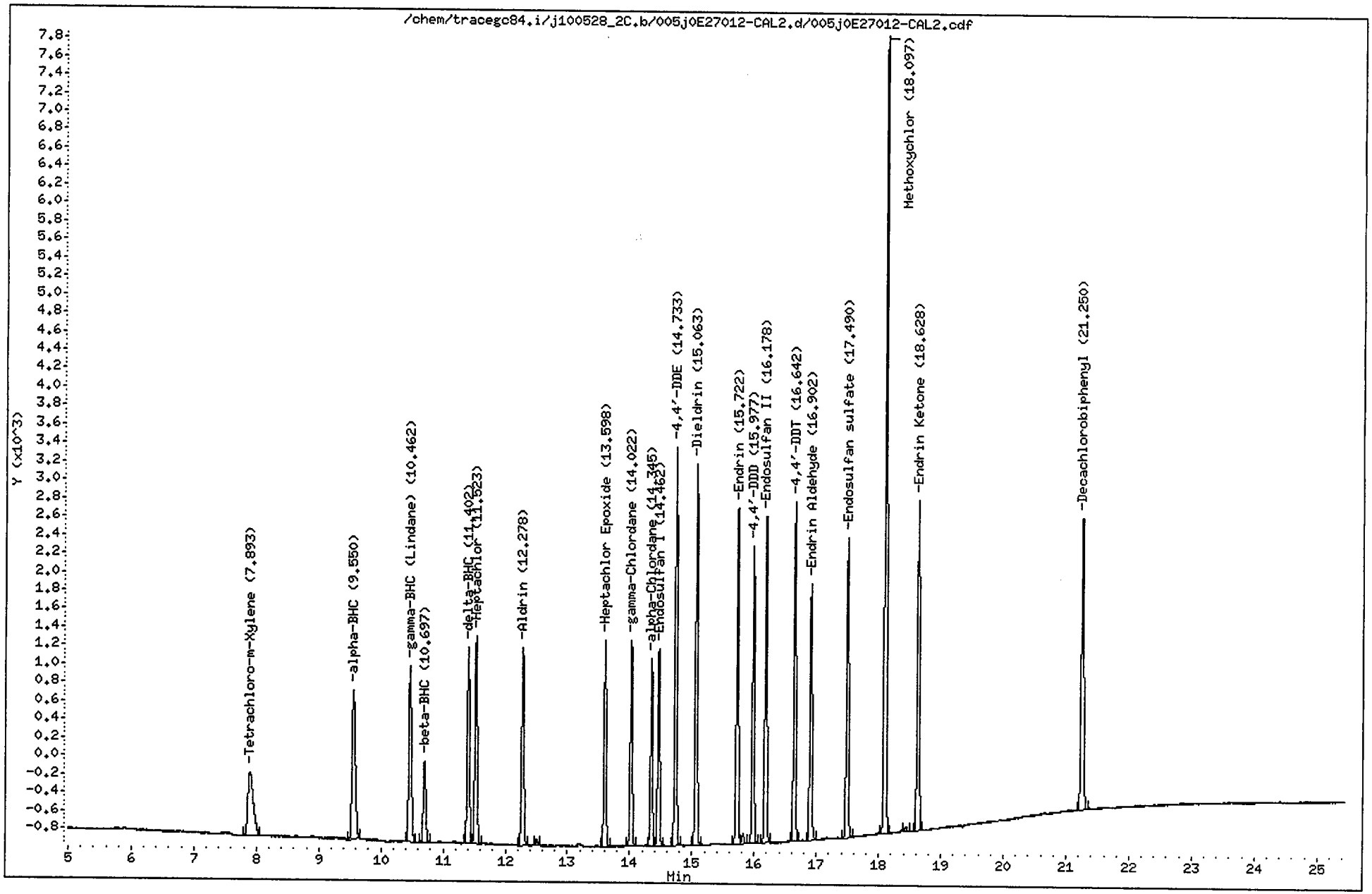
Data File: /chem/tracegc84.i/j100528_2C.b/005j0E27012-CAL2.d
Date : 28-MAY-2010 18:47
Client ID: INDC2HA
Sample Info: 0E27012-CAL2
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL2 Client Smp Id : INDC2HA
Sample Type : INITIAL CAL: Level 2 Sublist : INDA
Inj Date : 28-MAY-2010 18:47 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : INDC2HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.53			2120					
2.52			304					
7.89	7.82	7.96	4247	416798	Tetrachloro-m-Xylene	0.010000	424600	
9.55	9.48	9.62	5894	607758	alpha-BHC	0.010000	589300	
10.46	10.39	10.53	5716	585542	gamma-BHC (Lindane)	0.010000	571500	
10.70	10.63	10.77	2564	248610	beta-BHC	0.010000	256400	
11.40	11.33	11.47	5349	551235	delta-BHC	0.010000	534800	
11.52	11.45	11.59	5947	579497	Heptachlor	0.010000	594700	
12.28	12.21	12.35	5435	542192	Aldrin	0.010000	543500	
12.50			161					
13.60	13.53	13.67	5194	511912	Heptachlor Epoxide	0.010000	519400	
14.02	13.95	14.09	5210	513150	gamma-Chlordane	0.010000	521000	
14.34	14.28	14.42	4548	446248	alpha-Chlordane	0.010000	454800	
14.46	14.39	14.53	4888	477982	Endosulfan I	0.010000	488700	
14.73	14.66	14.80	9552	468602	4,4'-DDE	0.020000	477550	
15.06	14.99	15.13	9337	461929	Dieldrin	0.020000	466850	
15.72	15.65	15.79	8306	408649	Endrin	0.020000	415300	
15.82			244					
15.98	15.90	16.04	6800	340626	4,4'-DDD	0.020000	340000	
16.18	16.11	16.25	8219	404930	Endosulfan II	0.020000	410950	
16.64	16.57	16.71	8173	405929	4,4'-DDT	0.020000	408650	
16.90	16.83	16.97	6539	316985	Endrin Aldehyde	0.020000	326950	
17.49	17.42	17.56	7594	366674	Endosulfan sulfate	0.020000	379650	
18.10	18.02	18.16	19317	182916	Methoxychlor	0.100000	193160	
18.43			117					
18.63	18.56	18.70	8591	419519	Endrin Ketone	0.020000	429550	
21.25	21.18	21.32	8657	406698	Decachlorobiphenyl	0.020000	432800	

AHW
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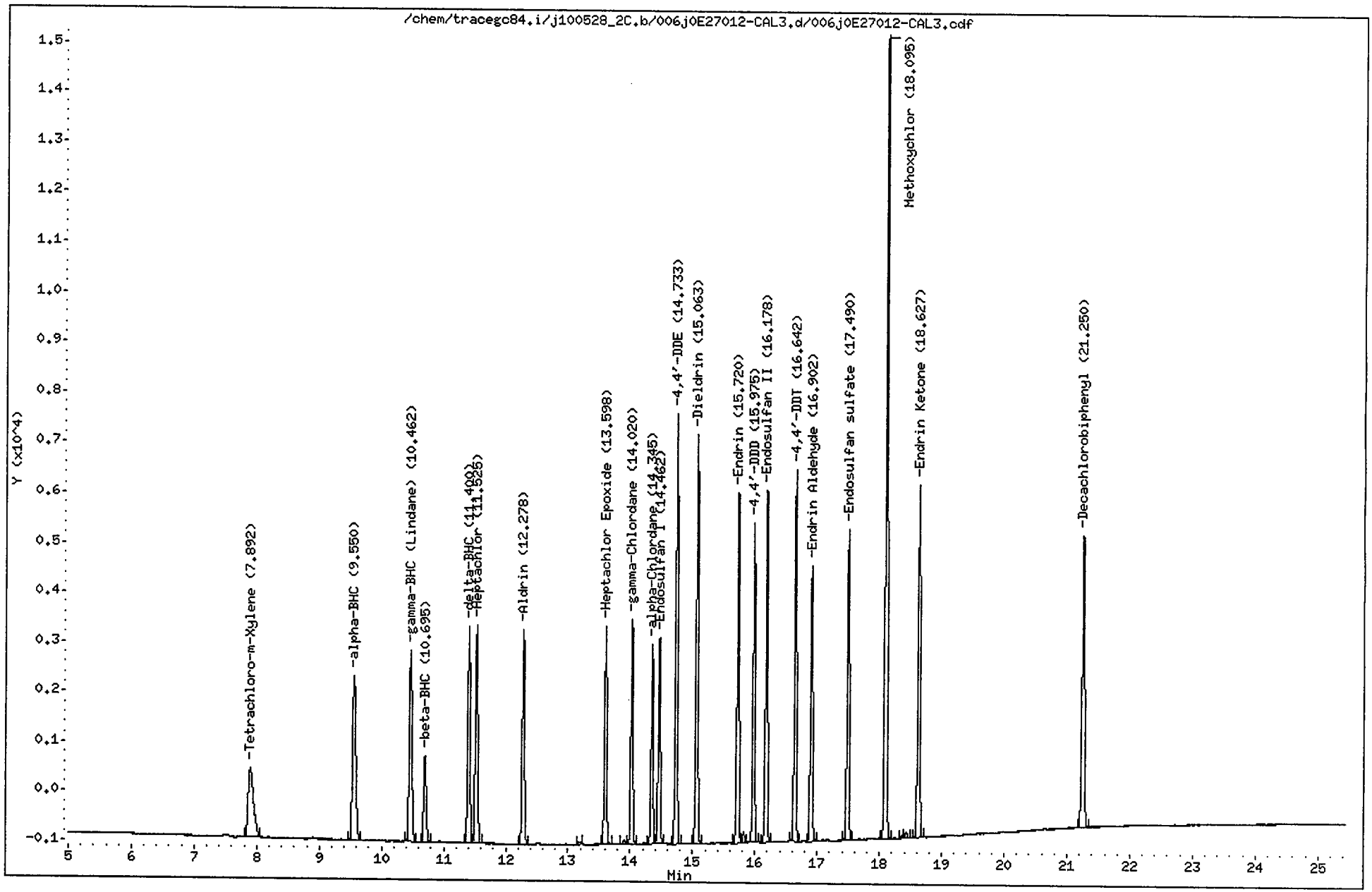
Data File: /chem/tracegc84.i/j100528_2C.b/006j0E27012-CAL3.d
Date : 28-MAY-2010 19:16
Client ID: INDC3HA
Sample Info: 0E27012-CAL3
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL3 Client Smp Id : INDC3HA
Sample Type : INITIAL CAL: Level 3 Sublist : INDA
Inj Date : 28-MAY-2010 19:16 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.55			9200					
7.89	7.82	7.96	8217	416798	Tetrachloro-m-Xylene	0.020000	410850	
9.55	9.48	9.62	12016	607758	alpha-BHC	0.020000	600750	
10.46	10.39	10.53	11630	585542	gamma-BHC (Lindane)	0.020000	581500	
10.70	10.63	10.77	4934	248610	beta-BHC	0.020000	246700	
11.40	11.33	11.47	10892	551235	delta-BHC	0.020000	544550	
11.52	11.45	11.59	11696	579497	Heptachlor	0.020000	584800	
12.28	12.21	12.35	10756	542192	Aldrin	0.020000	537750	
13.19			100					
13.60	13.53	13.67	10199	511912	Heptachlor Epoxide	0.020000	509950	
13.90			176					
14.02	13.95	14.09	10171	513150	gamma-Chlordane	0.020000	508500	
14.34	14.28	14.42	8836	446248	alpha-Chlordane	0.020000	441750	
14.46	14.39	14.53	9497	477982	Endosulfan I	0.020000	474850	
14.73	14.66	14.80	18602	468602	4,4'-DDE	0.040000	465050	
15.06	14.99	15.13	18401	461929	Dieldrin	0.040000	460025	
15.72	15.65	15.79	16199	408649	Endrin	0.040000	404950	
15.82			464					
15.98	15.90	16.04	13584	340626	4,4'-DDD	0.040000	339575	
16.18	16.11	16.25	16125	404930	Endosulfan II	0.040000	403100	
16.64	16.57	16.71	16039	405929	4,4'-DDT	0.040000	400975	
16.90	16.83	16.97	12919	316985	Endrin Aldehyde	0.040000	322975	
17.49	17.42	17.56	14549	366674	Endosulfan sulfate	0.040000	363725	
18.10	18.02	18.16	36356	182916	Methoxychlor	0.200000	181780	
18.37			120					
18.44			273					
18.63	18.56	18.70	16766	419519	Endrin Ketone	0.040000	419150	
21.25	21.18	21.32	16045	406698	Decachlorobiphenyl	0.040000	401125	

AHW
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Data File: /chem/tracegc84.i/j100528_2C.b/007j0E27012-CAL4.d

Page 1

Date : 28-MAY-2010 19:45

Client ID: INDC4HA

Instrument: tracegc84.i

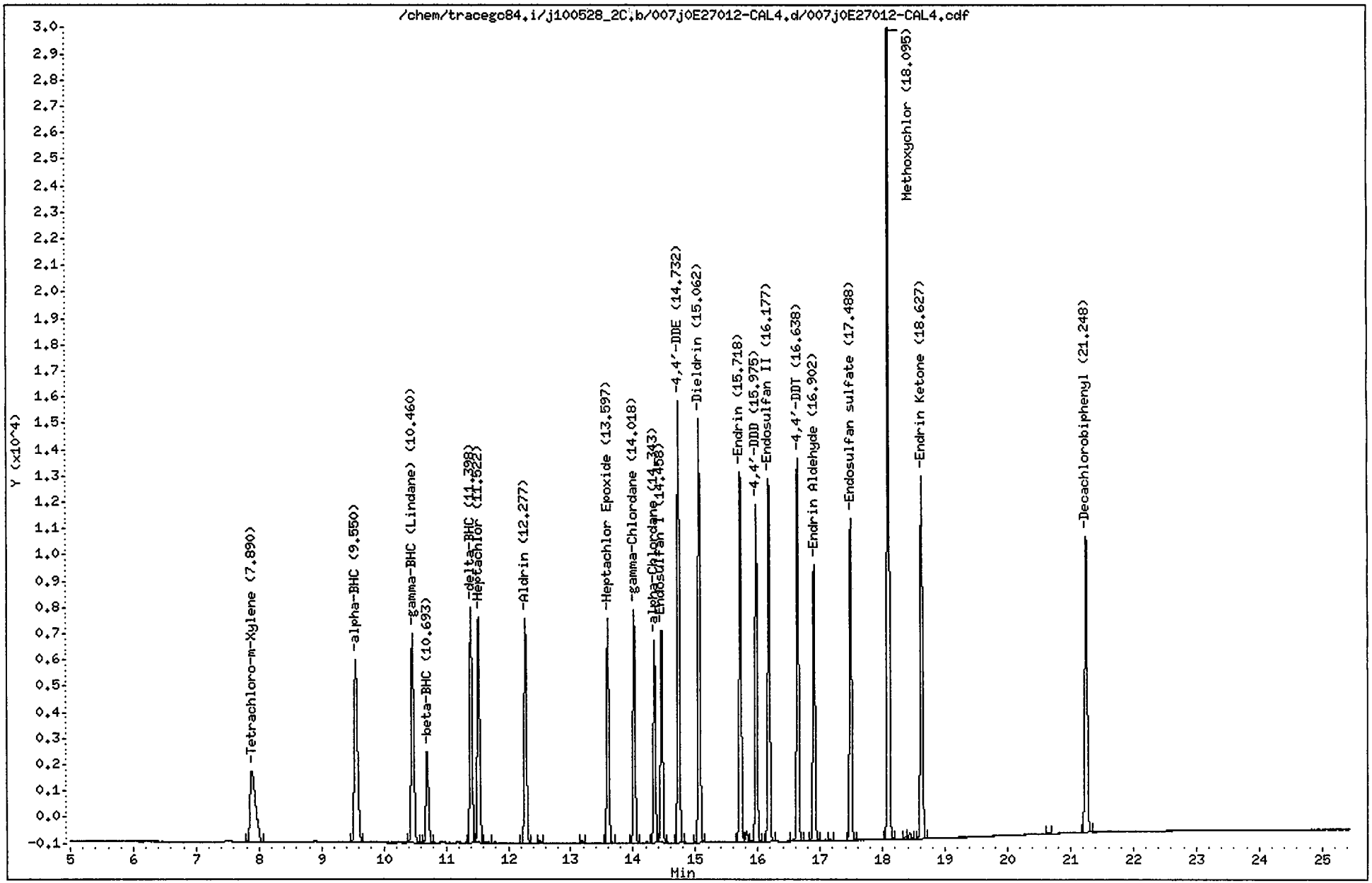
Sample Info: 0E27012-CAL4

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL4 Client Smp Id : INDC4HA
Sample Type : INITIAL CAL: Level 4 Sublist : INDA
Inj Date : 28-MAY-2010 19:45 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : INDC4HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.53			1592					
1.89			111					
7.89	7.82	7.96	16462	416798	Tetrachloro-m-Xylene	0.040000	411550	
9.55	9.48	9.62	25250	607758	alpha-BHC	0.040000	631250	
10.46	10.39	10.53	24030	585542	gamma-BHC (Lindane)	0.040000	600750	
10.69	10.63	10.77	9831	248610	beta-BHC	0.040000	245775	
11.40	11.33	11.47	22708	551235	delta-BHC	0.040000	567700	
11.52	11.45	11.59	23390	579497	Heptachlor	0.040000	584750	
11.65			96					
12.28	12.21	12.35	21683	542192	Aldrin	0.040000	542075	
12.51			211					
13.18			211					
13.60	13.53	13.67	20154	511912	Heptachlor Epoxide	0.040000	503825	
14.02	13.95	14.09	20242	513150	gamma-Chlordane	0.040000	506025	
14.34	14.28	14.42	17517	446248	alpha-Chlordane	0.040000	437925	
14.46	14.39	14.53	18759	477982	Endosulfan I	0.040000	468950	
14.73	14.66	14.80	36881	468602	4,4'-DDE	0.080000	461000	
15.06	14.99	15.13	36815	461929	Dieldrin	0.080000	460187	
15.72	15.65	15.79	32210	408649	Endrin	0.080000	402613	
15.81			989					
15.90			118					
15.98	15.90	16.04	27530	340626	4,4'-DDD	0.080000	344113	
16.18	16.11	16.25	31797	404930	Endosulfan II	0.080000	397450	
16.64	16.57	16.71	32317	405929	4,4'-DDT	0.080000	403963	
16.90	16.83	16.97	24671	316985	Endrin Aldehyde	0.080000	308375	
17.16			112					
17.49	17.42	17.56	28535	366674	Endosulfan sulfate	0.080000	356675	
18.10	18.02	18.16	69200	182916	Methoxychlor	0.400000	172997	
18.37			235					
18.43			514					
18.63	18.56	18.70	32900	419519	Endrin Ketone	0.080000	411237	
20.65			108					
21.25	21.18	21.32	30128	406698	Decachlorobiphenyl	0.080000	376587	

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Data File: /chem/tracegc84.i/j100528_2C.b/008j0E27012-CAL5.d

Date : 28-MAY-2010 20:14

Client ID: INDC5HA

Instrument: tracegc84.i

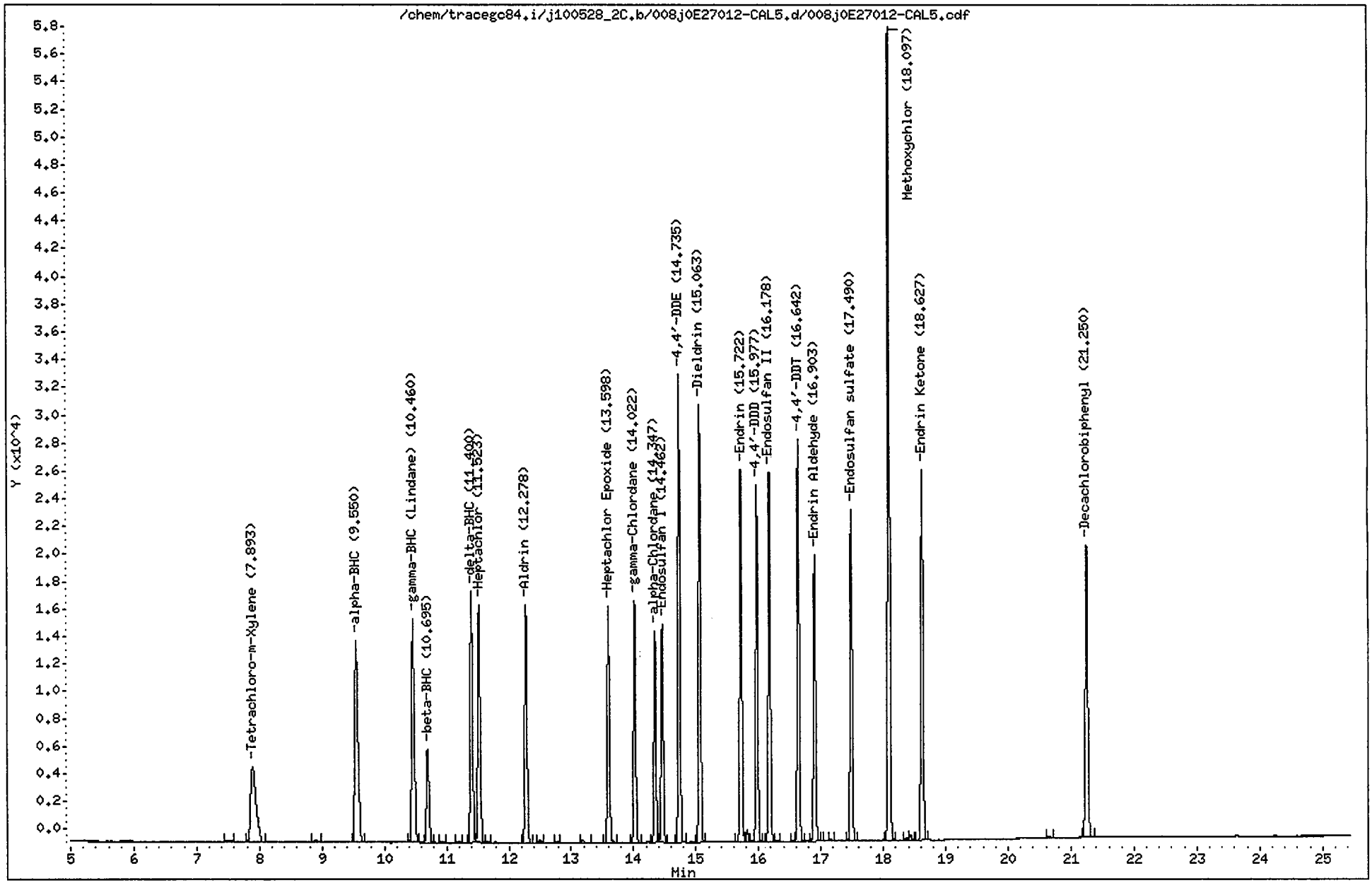
Sample Info: 0E27012-CAL5

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL5 Client Smp Id : INDC5HA
Sample Type : INITIAL CAL: Level 5 Sublist : INDA
Inj Date : 28-MAY-2010 20:14 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : INDC5HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.54			2486					
2.53			230					
7.51			428					
7.89	7.82	7.96	32623	416798	Tetrachloro-m-Xylene	0.080000	407787	
8.90			328					
9.55	9.48	9.62	52439	607758	alpha-BHC	0.080000	655487	
10.46	10.39	10.53	49213	585542	gamma-BHC (Lindane)	0.080000	615163	
10.70	10.63	10.77	19423	248610	beta-BHC	0.080000	242775	
10.93			190					
11.19			147					
11.40	11.33	11.47	46715	551235	delta-BHC	0.080000	583925	
11.52	11.45	11.59	46688	579497	Heptachlor	0.080000	583600	
11.65			184					
12.28	12.21	12.35	43572	542192	Aldrin	0.080000	544637	
12.50			437					
12.77			133					
13.19			519					
13.60	13.53	13.67	39791	511912	Heptachlor Epoxide	0.080000	497387	
14.02	13.95	14.09	40275	513150	gamma-Chlordane	0.080000	503425	
14.35	14.28	14.42	34653	446248	alpha-Chlordane	0.080000	433163	
14.46	14.39	14.53	36817	477982	Endosulfan I	0.080000	460213	
14.74	14.66	14.80	73122	468602	4,4'-DDE	0.160000	457013	
15.06	14.99	15.13	73085	461929	Dieldrin	0.160000	456781	
15.72	15.65	15.79	63773	408649	Endrin	0.160000	398581	
15.82			1952					
15.91			219					
15.98	15.90	16.04	55335	340626	4,4'-DDD	0.160000	345844	
16.18	16.11	16.25	62585	404930	Endosulfan II	0.160000	391150	
16.30			151					
16.58			211					
16.64	16.57	16.71	64250	405929	4,4'-DDT	0.160000	401556	
16.90	16.83	16.97	48148	316985	Endrin Aldehyde	0.160000	300925	
17.09			129					
17.16			257					
17.49	17.42	17.56	55780	366674	Endosulfan sulfate	0.160000	348619	
18.10	18.02	18.16	131857	182916	Methoxychlor	0.800000	164821	
18.37			461					
18.43			964					
18.63	18.56	18.70	64442	419519	Endrin Ketone	0.160000	402756	
20.65			203					
21.25	21.18	21.32	57117	406698	Decachlorobiphenyl	0.160000	356975	

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Data File: /chem/tracegc84.i/j100528_2C.b/009j0E27012-ARC1.d

Date : 28-MAY-2010 20:43

Client ID: TOXAPH3HA

Sample Info: 0E27012-ARC1

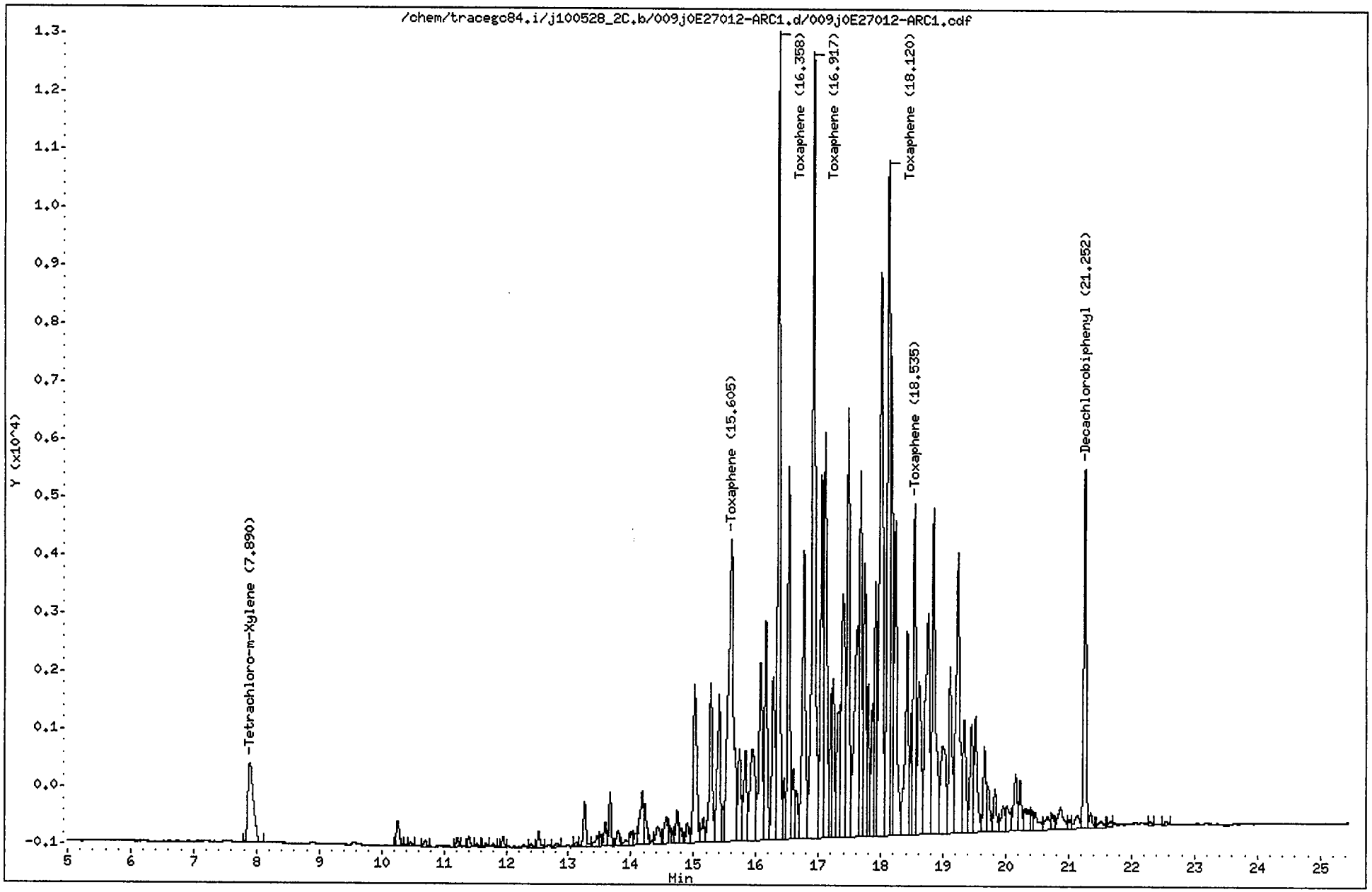
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC1 Client Smp Id : TOXAPH3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 28-MAY-2010 20:43 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : TOXAPH3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.54		7141					
1.88		103					
7.89	7.82 7.96	8419	416798	Tetrachloro-m-Xylene	0.020000	410850	2M
10.26		1459					
10.46		208					
10.70		299					
11.22		459					
11.40		512					
11.53		145					
11.68		167					
11.80		188					
11.95		441					
12.41		151					
12.52		803					
12.82		207					
13.12		237					
13.26		2432					
13.46		686					
13.51		498					
13.58		1233					
13.67		2283					
13.79		843					
13.93		392					
14.00		788					
14.08		617					
14.18		3565					
14.22		2095					
14.43		1563					
14.57		1798					
14.68		525					
14.74		1804					
14.80		660					
14.90		1187					
15.02		10695					
15.16		1578					
15.28		9239					
15.41		9242					
15.47		1294					
15.60	15.54 15.68	30398	15199	Toxaphene Peak 1	2.000000	15199	
15.73		5274					
15.83		5640					
15.94		9231					

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CompuChem

Lab Smp Id : 0E27012-ARC1 Client Smp Id : TOXAPH3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 28-MAY-2010 20:43 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : TOXAPH3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
16.07		11864					
16.16		11950					
16.27		9340					
16.36	16.29 16.43	37653	18826	Toxaphene Peak 2	2.000000	18827	
16.45		2790					
16.52		17354					
16.59		3610					
16.65		2401					
16.76		17971					
16.92	16.85 16.99	46567	23283	Toxaphene Peak 3	2.000000	23283	
17.05		17007					
17.10		23225					
17.20		5819					
17.23		6986					
17.32		8912					
17.39		17609					
17.47		20639					
17.62		17534					
17.67		17677					
17.74		12771					
17.79		6644					
17.86		5732					
17.91		11742					
18.00		38256					
18.12	18.05 18.19	38153	19076	Toxaphene Peak 4	2.000000	19077	
18.16		19458					
18.23		17062					
18.42		13115					
18.49		4584					
18.54	18.47 18.61	15591	7795	Toxaphene Peak 5	2.000000	7795.000	
18.61		11386					
18.75		18785					
18.84		19732					
18.99		9439					
19.11		9966					
19.23		20826					
19.34		6962					
19.45		6510					
19.51		6983					
19.66		4758					
19.72		2518					
19.82		2516					

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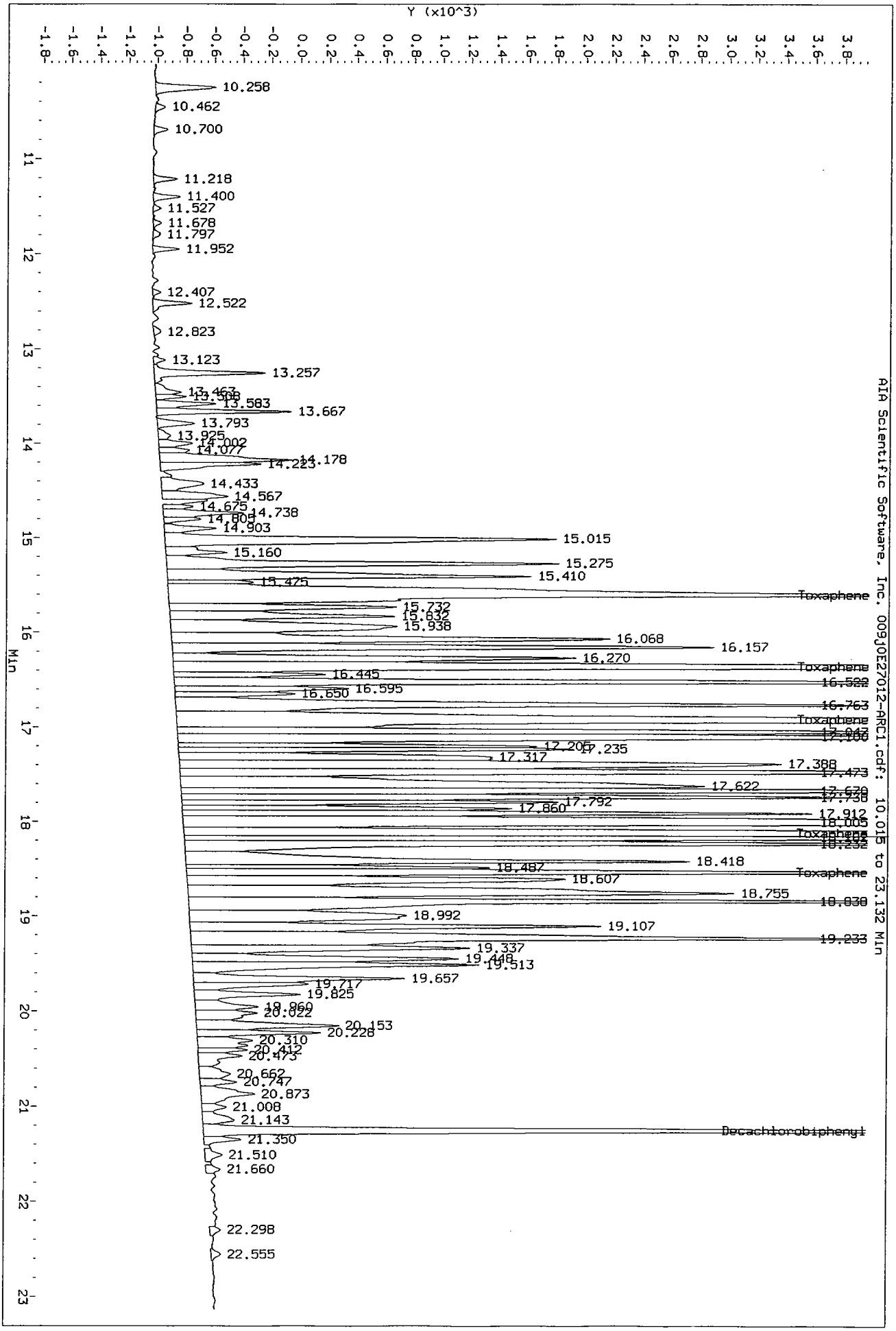
CompuChem

Lab Smp Id : 0E27012-ARC1 Client Smp Id : TOXAPH3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 28-MAY-2010 20:43 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : TOXAPH3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
19.96		1913					
20.02		2121					
20.15		3656					
20.23		2488					
20.31		2130					
20.41		943					
20.47		1540					
20.66		1218					
20.75		865					
20.87		2317					
21.01		628					
21.14		1203					
21.25	21.18 21.32	17006	406698	Decachlorobiphenyl	0.040000	401125	
21.35		825					
21.51		591					
21.66		386					
22.30		288					
22.55		264					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Injection Date: 28-MAY-2010 20:43
Instrument: tracegc84.i
Client Sample ID: TOXAPH3HA
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Min
AIA Scientific Software, Inc. 009J0E27012-ARC1.cdf: 10.015 to 23.132 Min
10.258
10.462
10.700
11.218
11.400
11.527
11.678
11.797
11.952
12.407
12.522
12.823
13.123
13.257
13.583
13.667
13.793
13.925
14.077
14.178
14.223
14.433
14.567
14.675
14.738
14.903
15.015
15.160
15.275
15.410
15.425
Toxaphene
15.732
15.832
15.938
16.068
16.157
16.270
Toxaphene
16.445
16.522
16.595
16.650
16.763
Toxaphene
17.235
17.317
17.388
17.622
17.792
17.860
17.912
Toxaphene
18.418
18.487
Toxaphene
18.607
18.755
18.992
19.107
19.233
19.337
19.513
19.657
19.717
19.825
20.022
20.153
20.228
20.310
20.412
20.473
20.662
20.747
20.873
21.008
21.143
Decachlorobiphenyl
21.350
21.510
21.660
22.298
22.555

Data File: /chem/tracegc84.i/j100528_2C.b/010j0E27012-ARC2.d

Date : 28-MAY-2010 21:11

Client ID: CHLORO3HA

Sample Info: 0E27012-ARC2

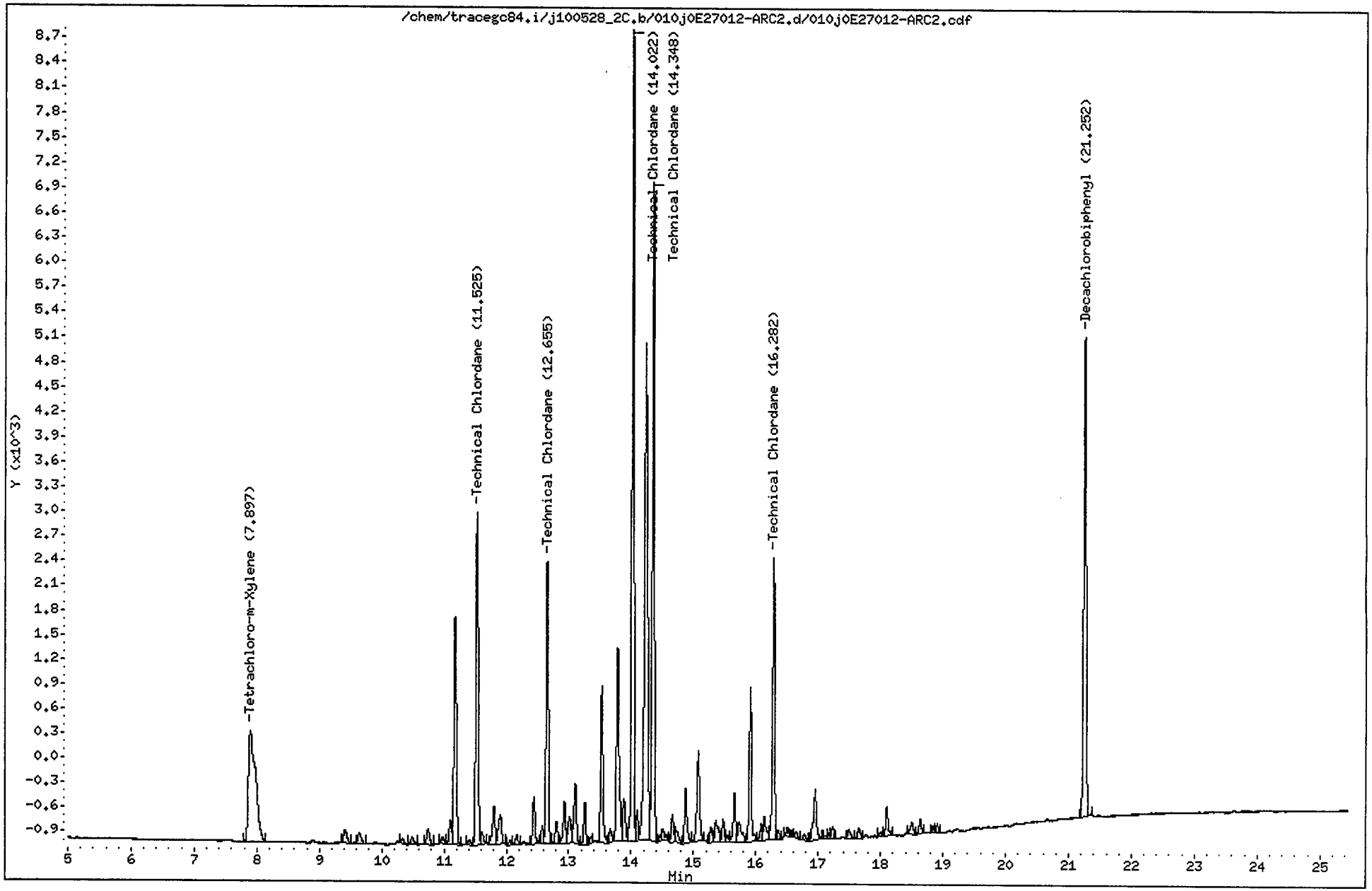
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC2 Client Smp Id : CHLORO3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TechChlor
Inj Date : 28-MAY-2010 21:11 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : CHLORO3HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.52			1208					
7.90	7.82	7.96	10799	416798	Tetrachloro-m-Xylene	0.020000	410850	
9.41			627					
9.63			460					
10.33			192					
10.49			291					
10.74			612					
10.98			235					
11.10			779					
11.18			7819					
11.40			188					
11.52	11.46	11.60	10759	26895	TechnicalChlordane Peak 1	0.400000	26895	
11.62			380					
11.80			1393					
11.90			1280					
12.06			152					
12.17			354					
12.44			1488					
12.58			530					
12.66	12.58	12.72	8347	20865	TechnicalChlordane Peak 2	0.400000	20865	
12.80			718					
12.93			1360					
13.02			1016					
13.11			2155					
13.26			1194					
13.36			184					
13.53			4593					
13.67			449					
13.78			6784					
13.89			1588					
14.02	13.95	14.09	23201	58000	TechnicalChlordane Peak 3	0.400000	58000	
14.10			804					
14.23			20520					
14.35	14.28	14.42	19246	48115	TechnicalChlordane Peak 4	0.400000	48115	
14.47			140					
14.52			390					
14.66			840					
14.73			531					
14.87			1756					
15.08			3297					
15.28			531					
15.36			1061					

AHW
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CompuChem

Lab Smp Id : 0E27012-ARC2 Client Smp Id : CHLORO3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TechChlor
Inj Date : 28-MAY-2010 21:11 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : CHLORO3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.47		663					
15.55		232					
15.65		1543					
15.73		1046					
15.91		4569					
16.09		479					
16.14		918					
16.28	16.21 16.35	8118	20295	TechnicalChlordane Peak 5	0.400000	20295	
16.36		246					
16.51		238					
16.57		147					
16.65		231					
16.78		238					
16.95		2088					
17.11		108					
17.18		157					
17.24		376					
17.49		360					
17.66		357					
18.00		156					
18.10		1006					
18.50		496					
18.64		491					
18.84		214					
18.91		270					
21.25	21.18 21.32	15618	406698	Decachlorobiphenyl	0.040000	401125	

Data File: /chem/tracegc84.i/j100528_2C.b/011j0E27012-CAL6.d

Date : 28-MAY-2010 21:40

Client ID: AR16601HA

Sample Info: 0E27012-CAL6

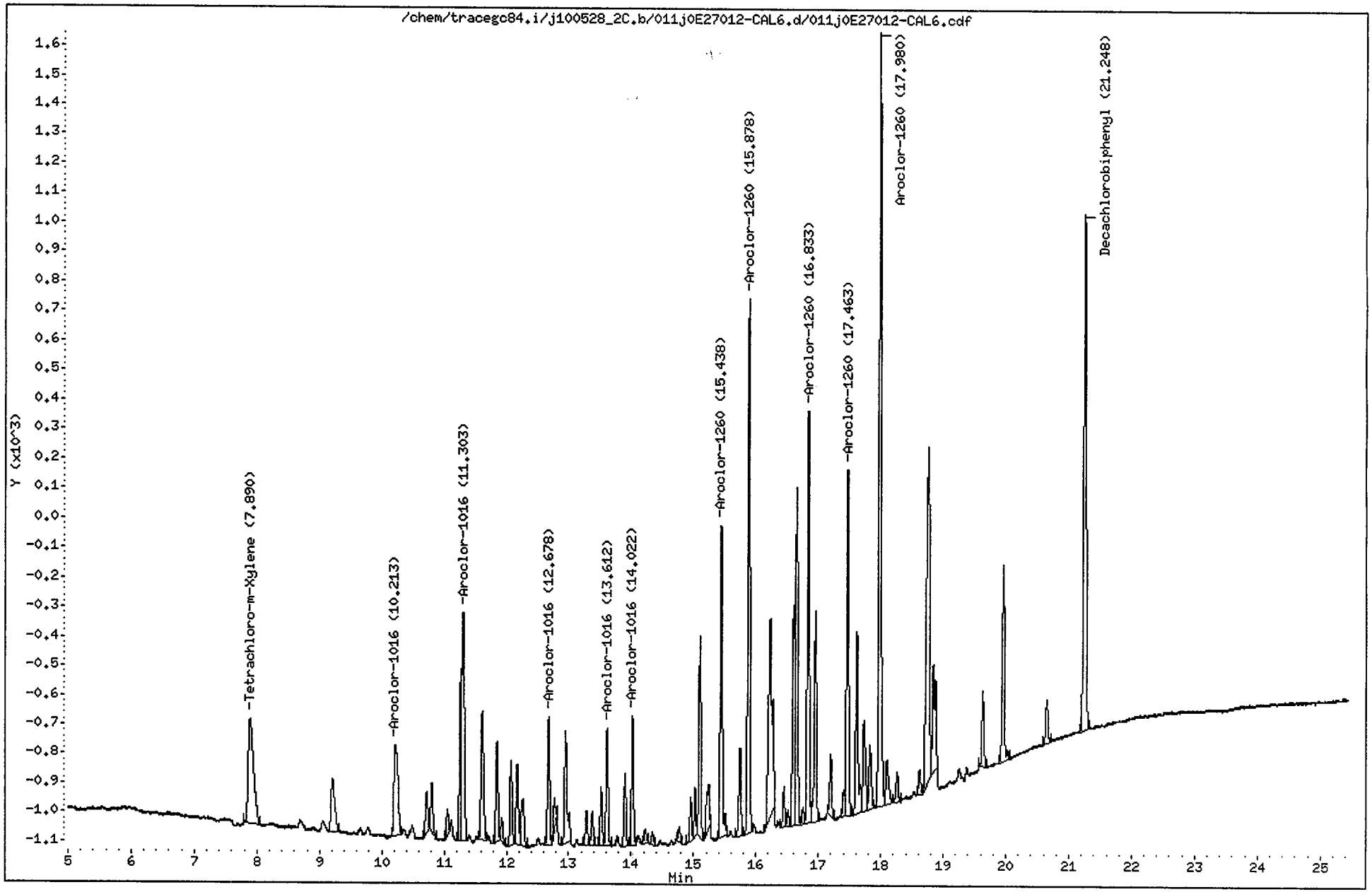
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL6 Client Smp Id : AR16601HA
Sample Type : INITIAL CAL: Level 1 Sublist : AR1660
Inj Date : 28-MAY-2010 21:40 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16601HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.54			5903					
2.52			95					
7.89	7.82	7.96	2127	416798	Tetrachloro-m-Xylene	0.005000	429200	
9.21			739					
10.21	10.15	10.29	1416	12953	Aroclor-1016 Peak 1	0.100000	14160	
10.72			357					
10.80			453					
11.05			191					
11.27			1078					
11.30	11.24	11.38	2281	19854	Aroclor-1016 Peak 2	0.100000	22810	
11.61			1266					
11.85			807					
11.93			172					
12.07			680					
12.17			716					
12.27			559					
12.68	12.61	12.75	1029	9041	Aroclor-1016 Peak 3	0.100000	10280	
12.77			225					
12.95			1134					
13.28			274					
13.37			255					
13.52			442					
13.61	13.55	13.69	959	8370	Aroclor-1016 Peak 4	0.100000	9590.000	
13.90			548					
14.02	13.96	14.10	995	7947	Aroclor-1016 Peak 5	0.100000	9950.000	
14.23			122					
14.34			101					
14.78			121					
14.95			306					
15.02			339					
15.10			1508					
15.21			533					
15.44	15.37	15.51	2507	21225	Aroclor-1260 Peak 1	0.100000	25070	
15.74			718					
15.88	15.81	15.95	4092	36050	Aroclor-1260 Peak 2	0.100000	40920	
16.23			2808					
16.45			292					
16.52			114					
16.60			1681					
16.64			2978					
16.75			124					
16.83	16.77	16.91	3170	28288	Aroclor-1260 Peak 3	0.100000	31690	

AHW
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CompuChem

Lab Smp Id : 0E27012-CAL6 Client Smp Id : AR16601HA
Sample Type : INITIAL CAL: Level 1 Sublist : AR1660
Inj Date : 28-MAY-2010 21:40 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16601HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
16.95		1715					
17.20		482					
17.41		180					
17.46	17.39 17.53	2764	23788	Aroclor-1260 Peak 4	0.100000	27640	
17.61		1601					
17.73		912					
17.82		581					
17.98	17.91 18.05	6255	56438	Aroclor-1260 Peak 5	0.100000	62550	
18.10		488					
18.27		243					
18.62		191					
18.76		3996					
18.84		1325					
19.64		598					
19.95		1582					
20.65		370					
21.25	21.18 21.32	4742	406698	Decachlorobiphenyl	0.010000	466000	

Data File: /chem/tracegc84.i/j100528_2C.b/012j0E27012-CAL7.d

Date : 28-MAY-2010 22:10

Client ID: AR16602HA

Instrument: tracegc84.i

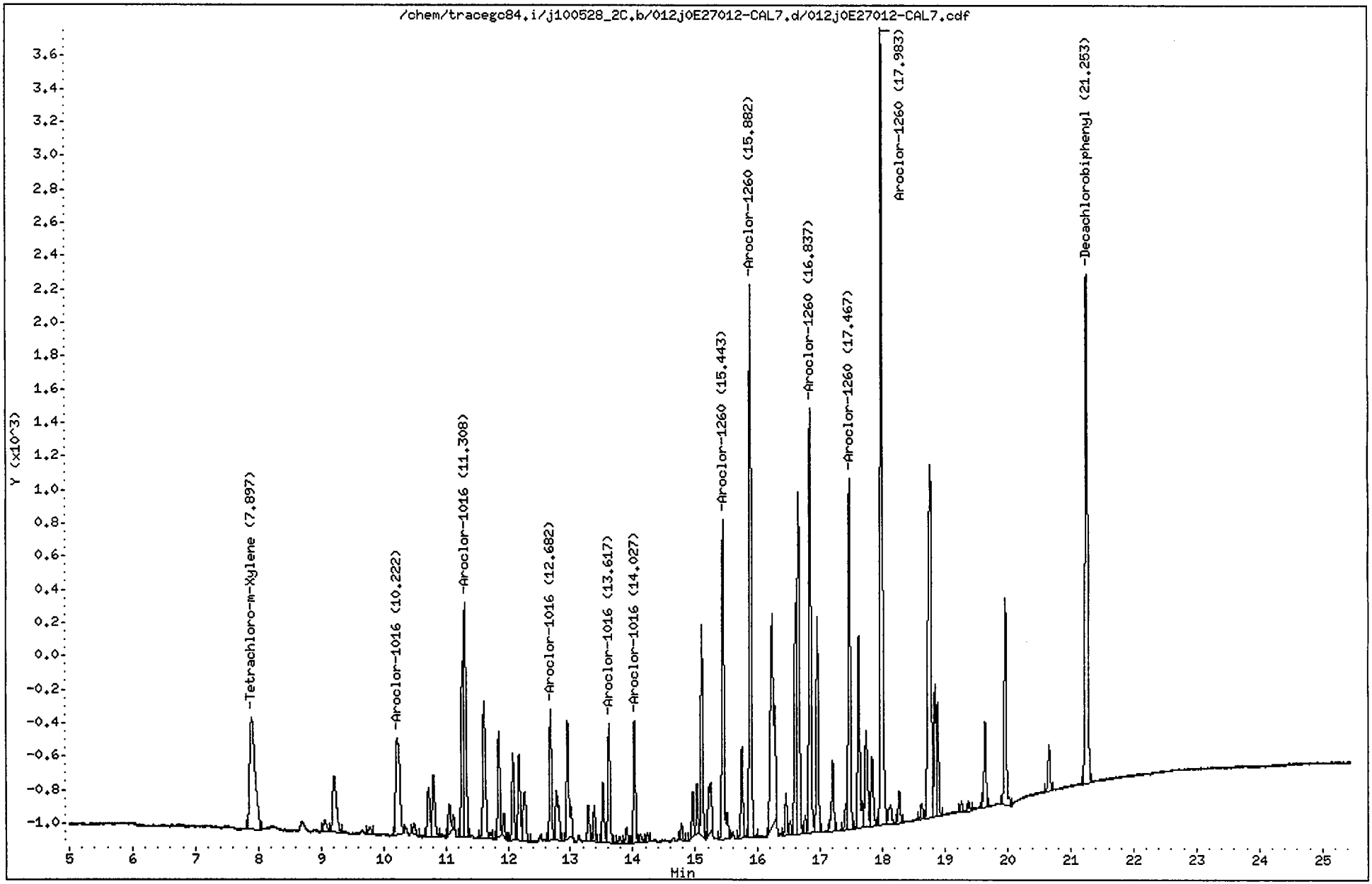
Sample Info: 0E27012-CAL7

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL7 Client Smp Id : AR16602HA
Sample Type : INITIAL CAL: Level 2 Sublist : AR1660
Inj Date : 28-MAY-2010 22:10 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16602HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.53		5197					
7.90	7.82 7.96	3976	416798	Tetrachloro-m-Xylene	0.010000	424600	
9.06		255					
9.21		1421					
9.78		135					
10.22	10.15 10.29	2618	12953	Aroclor-1016 Peak 1	0.200000	13090	
10.49		218					
10.72		833					
10.80		1107					
11.06		575					
11.27		2129					
11.31	11.24 11.38	4044	19854	Aroclor-1016 Peak 2	0.200000	20215	
11.62		2472					
11.85		1498					
11.93		307					
12.08		1245					
12.18		1317					
12.27		1013					
12.68	12.61 12.75	1838	9041	Aroclor-1016 Peak 3	0.200000	9185.000	
12.78		1063					
12.95		2069					
13.29		484					
13.38		482					
13.52		827					
13.62	13.55 13.69	1742	8370	Aroclor-1016 Peak 4	0.200000	8705.000	
13.79		98					
13.90		231					
14.03	13.96 14.10	1634	7947	Aroclor-1016 Peak 5	0.200000	8165.000	
14.12		140					
14.23		108					
14.78		237					
14.96		572					
15.03		616					
15.10		2759					
15.22		1149					
15.44	15.37 15.51	4680	21225	Aroclor-1260 Peak 1	0.200000	23395	
15.75		1262					
15.88	15.81 15.95	7408	36050	Aroclor-1260 Peak 2	0.200000	37035	
16.23		5252					
16.45		565					
16.52		175					
16.61		3146					

AHW
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CompuChem

Lab Smp Id : 0E27012-CAL7 Client Smp Id : AR16602HA
Sample Type : INITIAL CAL: Level 2 Sublist : AR1660
Inj Date : 28-MAY-2010 22:10 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16602HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
16.65		5306					
16.76		234					
16.84	16.77 16.91	5837	28288	Aroclor-1260 Peak 3	0.200000	29185	
16.95		2954					
17.20		1072					
17.41		323					
17.47	17.39 17.53	4892	23788	Aroclor-1260 Peak 4	0.200000	24460	
17.62		2895					
17.73		1686					
17.83		1098					
17.98	17.91 18.05	11448	56438	Aroclor-1260 Peak 5	0.200000	57240	
18.13		425					
18.27		437					
18.63		228					
18.76		7729					
18.84		1751					
18.88		1479					
19.26		176					
19.38		125					
19.64		1202					
19.96		2994					
20.66		668					
21.25	21.18 21.32	8163	406698	Decachlorobiphenyl	0.020000	432800	

Data File: /chem/tracegc84.i/j100528_2C.b/013j0E27012-CAL8.d

Date : 28-MAY-2010 22:38

Client ID: AR16603HA

Instrument: tracegc84.i

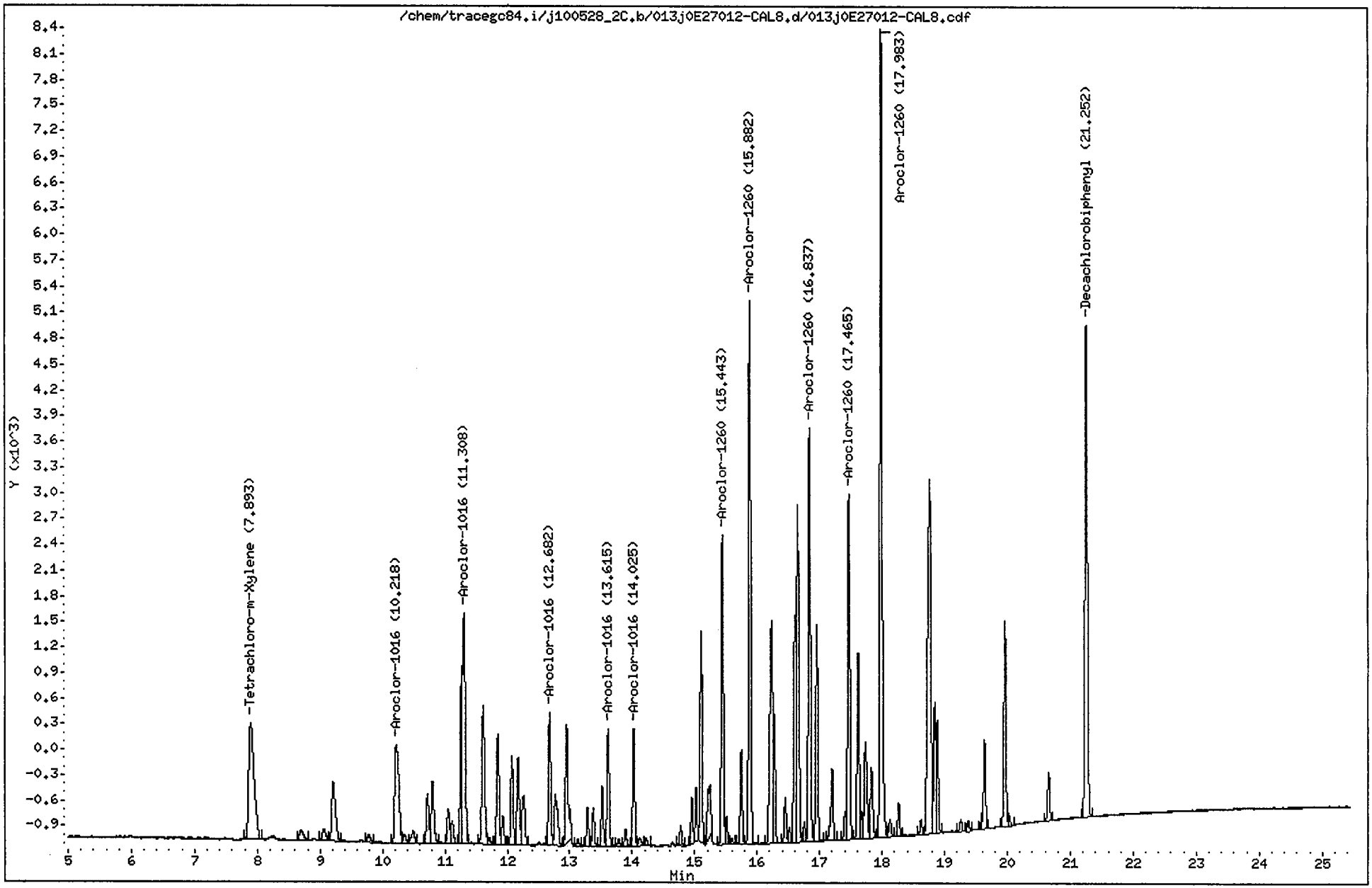
Sample Info: 0E27012-CAL8

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL8 Client Smp Id : AR16603HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1660
Inj Date : 28-MAY-2010 22:38 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16603HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.55			12610					
1.78			3220					
1.95			20961					
2.50			93					
7.89	7.82	7.96	8081	416798	Tetrachloro-m-Xylene	0.020000	410850	
8.69			535					
9.06			530					
9.21			2824					
9.78			314					
10.22	10.15	10.29	5286	12953	Aroclor-1016 Peak 1	0.400000	13213	
10.35			291					
10.49			540					
10.72			1664					
10.80			2191					
11.06			1058					
11.12			701					
11.27			4122					
11.31	11.24	11.38	7858	19854	Aroclor-1016 Peak 2	0.400000	19645	
11.62			4885					
11.71			188					
11.85			3237					
11.93			839					
12.08			2525					
12.17			2698					
12.27			2072					
12.68	12.61	12.75	3641	9041	Aroclor-1016 Peak 3	0.400000	9102.500	
12.77			2207					
12.95			4014					
13.13			182					
13.29			1026					
13.38			994					
13.52			1618					
13.62	13.55	13.69	3368	8370	Aroclor-1016 Peak 4	0.400000	8417.500	
13.78			183					
13.89			443					
14.02	13.96	14.10	3112	7947	Aroclor-1016 Peak 5	0.400000	7780.000	
14.12			296					
14.23			207					
14.78			512					
14.96			1176					
15.03			1288					
15.10			5373					

AHW
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CompuChem

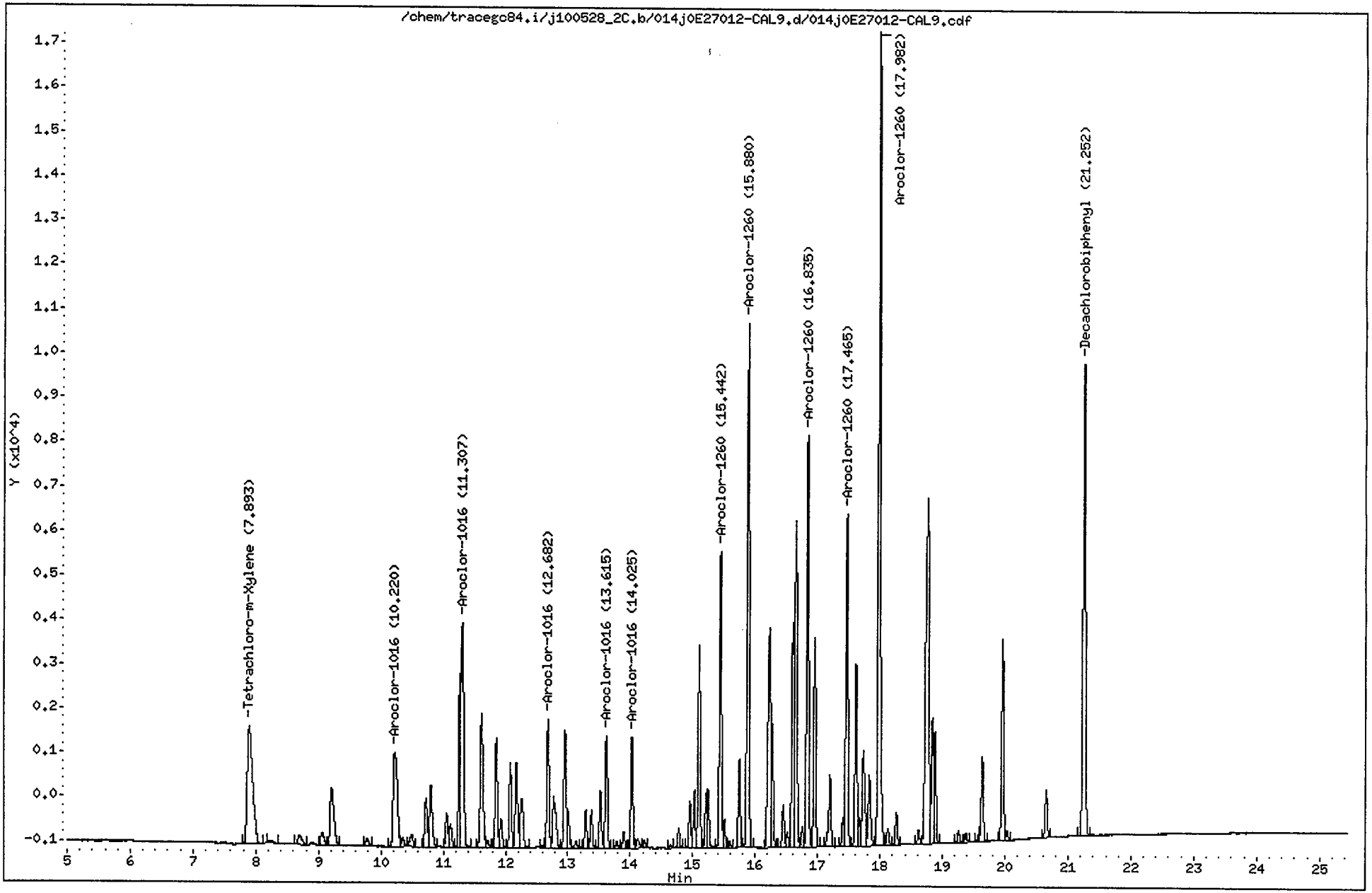
Lab Smp Id : 0E27012-CAL8 Client Smp Id : AR16603HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1660
Inj Date : 28-MAY-2010 22:38 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16603HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.22		2220					
15.44	15.37 15.51	8271	21225	Aroclor-1260 Peak 1	0.400000	20677	
15.51		684					
15.60		156					
15.74		2506					
15.88	15.81 15.95	14416	36050	Aroclor-1260 Peak 2	0.400000	36037	
16.23		8284					
16.27		3057					
16.45		1181					
16.52		364					
16.60		6302					
16.65		10109					
16.75		487					
16.84	16.77 16.91	11338	28288	Aroclor-1260 Peak 3	0.400000	28345	
16.95		5687					
17.20		2189					
17.41		626					
17.46	17.39 17.53	9484	23788	Aroclor-1260 Peak 4	0.400000	23710	
17.62		5073					
17.68		635					
17.73		3357					
17.83		2191					
17.98	17.91 18.05	22538	56438	Aroclor-1260 Peak 5	0.400000	56345	
18.13		555					
18.27		862					
18.62		374					
18.76		15093					
18.84		3468					
18.88		2867					
19.26		308					
19.38		258					
19.59		172					
19.64		2404					
19.96		5609					
20.04		270					
20.66		1346					
21.25	21.18 21.32	15513	406698	Decachlorobiphenyl	0.040000	401125	

Data File: /chem/tracegc84.i/j100528_2C.b/014j0E27012-CAL9.d
Date : 28-MAY-2010 23:07
Client ID: AR16604HA
Sample Info: 0E27012-CAL9
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL9 Client Smp Id : AR16604HA
Sample Type : INITIAL CAL: Level 4 Sublist : AR1660
Inj Date : 28-MAY-2010 23:07 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16604HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.53		4994					
7.89	7.82 7.96	15839	416798	Tetrachloro-m-Xylene	0.040000	411550	
8.23		272					
8.69		995					
9.05		1016					
9.21		5387					
9.78		621					
10.22	10.15 10.29	10044	12953	Aroclor-1016 Peak 1	0.800000	12554	
10.35		547					
10.49		1064					
10.72		3233					
10.80		4240					
11.05		2022					
11.12		1384					
11.27		7432					
11.31	11.24 11.38	15161	19854	Aroclor-1016 Peak 2	0.800000	18951	
11.62		9210					
11.72		375					
11.85		6185					
11.93		1626					
12.08		4717					
12.17		5070					
12.26		3950					
12.59		100					
12.68	12.61 12.75	6879	9041	Aroclor-1016 Peak 3	0.800000	8597.500	
12.77		4237					
12.95		6753					
13.01		1772					
13.13		376					
13.29		1978					
13.38		1906					
13.52		3045					
13.62	13.55 13.69	6287	8370	Aroclor-1016 Peak 4	0.800000	7857.500	
13.78		319					
13.89		853					
14.02	13.96 14.10	5749	7947	Aroclor-1016 Peak 5	0.800000	7186.250	
14.12		568					
14.22		371					
14.65		184					
14.78		998					
14.95		2438					
15.03		2859					

AHW
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CompuChem

Lab Smp Id : 0E27012-CAL9 Client Smp Id : AR16604HA
Sample Type : INITIAL CAL: Level 4 Sublist : AR1660
Inj Date : 28-MAY-2010 23:07 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16604HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.10		10433					
15.21		2434					
15.24		2845					
15.44	15.37 15.51	15282	21225	Aroclor-1260 Peak 1	0.800000	19101	
15.51		1320					
15.59		289					
15.74		4660					
15.88	15.81 15.95	27134	36050	Aroclor-1260 Peak 2	0.800000	33916	
16.23		15431					
16.27		5739					
16.45		2259					
16.52		702					
16.60		11778					
16.65		19088					
16.75		967					
16.84	16.77 16.91	21389	28288	Aroclor-1260 Peak 3	0.800000	26736	
16.95		10710					
17.20		4226					
17.41		1265					
17.46	17.39 17.53	17730	23788	Aroclor-1260 Peak 4	0.800000	22163	
17.61		9532					
17.67		1248					
17.73		6461					
17.83		4295					
17.98	17.91 18.05	43151	56438	Aroclor-1260 Peak 5	0.800000	53937	
18.13		931					
18.26		1679					
18.62		696					
18.76		28579					
18.84		6575					
18.88		5525					
19.25		570					
19.37		496					
19.58		346					
19.64		4607					
19.96		10525					
20.03		479					
20.66		2580					
21.25	21.18 21.32	28729	406698	Decachlorobiphenyl	0.080000	376587	

Data File: /chem/tracegc84.i/j100528_2C.b/015j0E27012-CALA.d

Date : 28-MAY-2010 23:36

Client ID: AR16605HA

Instrument: tracegc84.i

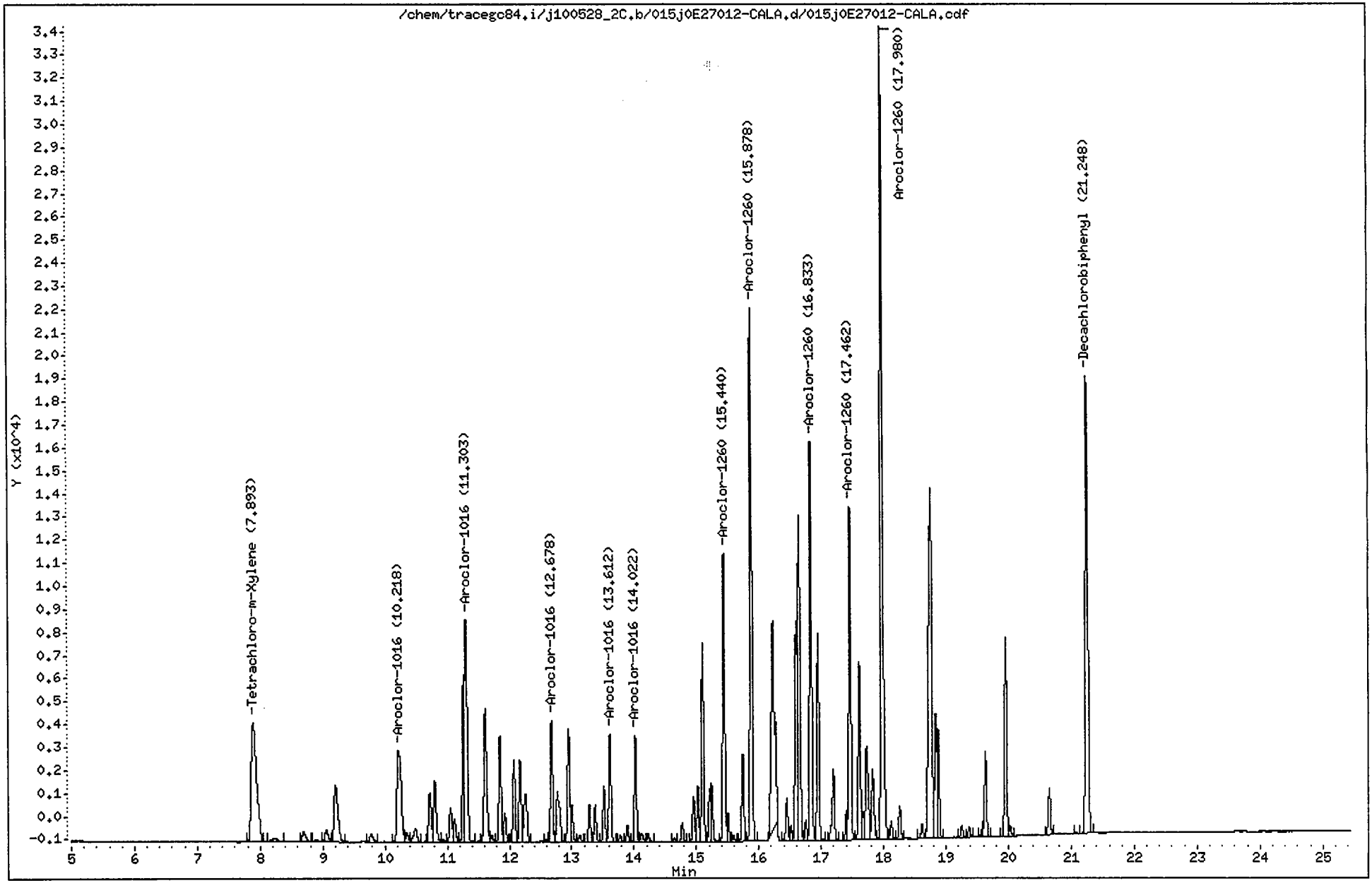
Sample Info: 0E27012-CALA

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CALA Client Smp Id : AR16605HA
Sample Type : INITIAL CAL: Level 5 Sublist : AR1660
Inj Date : 28-MAY-2010 23:36 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16605HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.52		1355					
7.89	7.82 7.96	30940	416798	Tetrachloro-m-Xylene	0.080000	407787	
8.23		1051					
8.69		1767					
8.90		350					
9.06		2080					
9.21		10426					
9.77		1198					
10.22	10.15 10.29	18798	12953	Aroclor-1016 Peak 1	1.600000	11748	
10.35		1187					
10.49		2201					
10.72		6102					
10.80		8090					
10.93		227					
11.05		3890					
11.12		2691					
11.27		14341					
11.30	11.24 11.38	28234	19854	Aroclor-1016 Peak 2	1.600000	17646	
11.61		17271					
11.71		726					
11.85		11729					
11.93		3081					
12.07		8751					
12.17		9431					
12.26		7408					
12.59		203					
12.68	12.61 12.75	12863	9041	Aroclor-1016 Peak 3	1.600000	8038.750	
12.77		7988					
12.95		12609					
13.00		3437					
13.13		691					
13.28		3830					
13.37		3670					
13.52		5712					
13.61	13.55 13.69	11647	8370	Aroclor-1016 Peak 4	1.600000	7278.750	
13.78		630					
13.89		1620					
14.02	13.96 14.10	10650	7947	Aroclor-1016 Peak 5	1.600000	6655.625	
14.12		1194					
14.22		866					
14.64		342					
14.77		1880					

AHW
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CompuChem

Lab Smp Id : 0E27012-CALA Client Smp Id : AR16605HA
Sample Type : INITIAL CAL: Level 5 Sublist : AR1660
Inj Date : 28-MAY-2010 23:36 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16605HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
14.95		4536					
15.02		5425					
15.10		19561					
15.21		4711					
15.24		5270					
15.44	15.37 15.51	28608	21225	Aroclor-1260 Peak 1	1.600000	17880	
15.50		2566					
15.59		606					
15.74		8752					
15.88	15.81 15.95	51744	36050	Aroclor-1260 Peak 2	1.600000	32339	
16.23		35706					
16.45		4307					
16.51		1357					
16.60		22407					
16.65		36104					
16.75		1891					
16.83	16.77 16.91	40779	28288	Aroclor-1260 Peak 3	1.600000	25486	
16.95		20286					
17.20		8137					
17.40		2343					
17.46	17.39 17.53	33551	23788	Aroclor-1260 Peak 4	1.600000	20969	
17.61		17934					
17.67		2288					
17.73		12332					
17.82		8217					
17.98	17.91 18.05	83385	56438	Aroclor-1260 Peak 5	1.600000	52116	
18.13		1774					
18.26		3228					
18.62		1358					
18.76		54383					
18.84		12266					
18.87		10642					
19.25		1188					
19.37		953					
19.58		647					
19.63		8766					
19.95		20067					
20.03		923					
20.65		4921					
21.08		90					
21.25	21.18 21.32	53941	406698	Decachlorobiphenyl	0.160000	356975	

Data File: /chem/tracegc84.i/j100528_2C.b/016j0E27012-ARC3.d

Date : 29-MAY-2010 00:05

Client ID: AR12213HA

Instrument: tracegc84.i

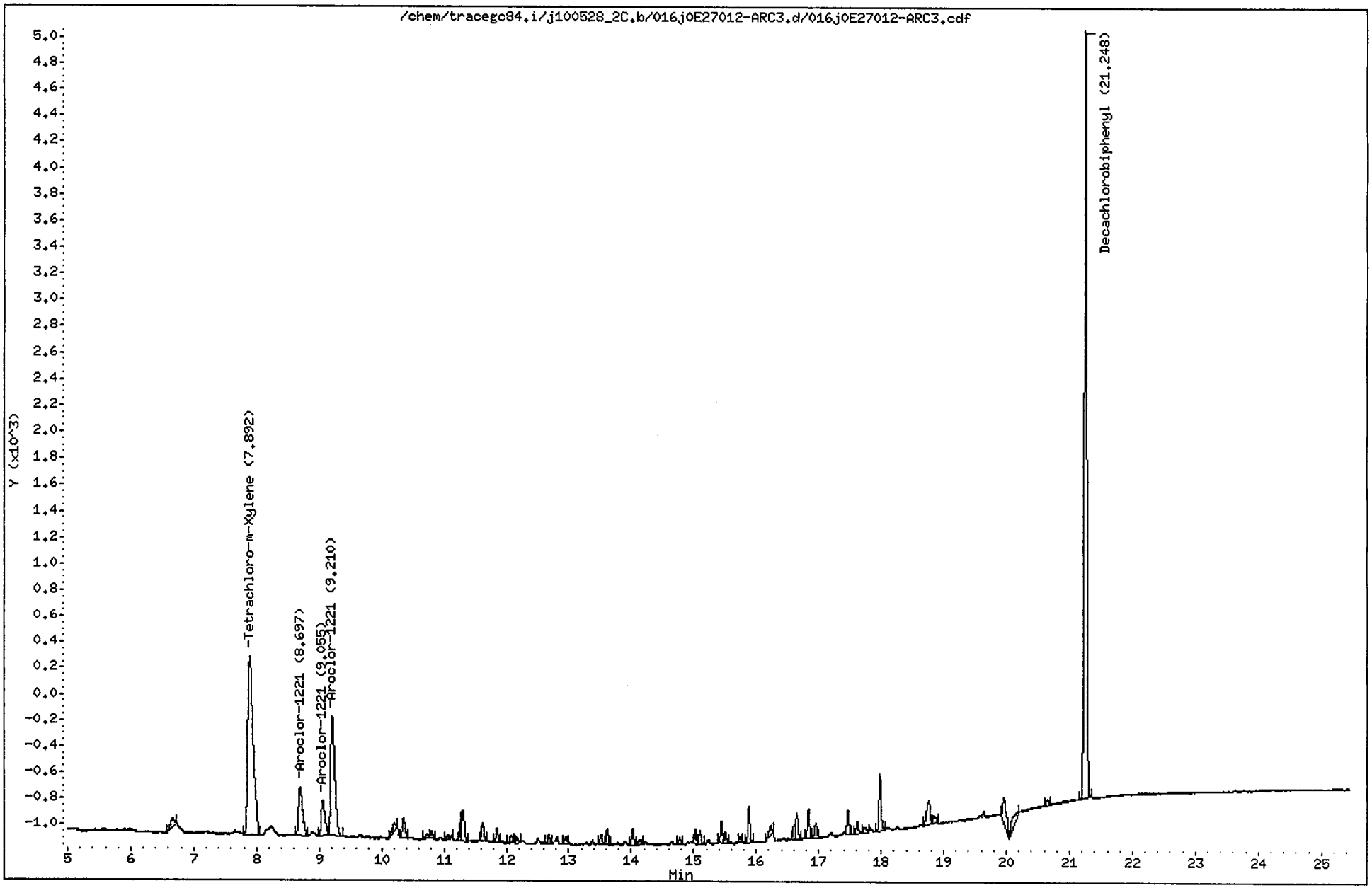
Sample Info: 0E27012-ARC3

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC3 Client Smp Id : AR12213HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1221
Inj Date : 29-MAY-2010 00:05 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12213HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.55			46457					
6.67			285					
7.89	7.82	7.96	8094	416798	Tetrachloro-m-Xylene	0.020000	410850	
8.70	8.63	8.77	1669	4170	Aroclor-1221 Peak 2	0.400000	4170.000	
9.06	8.98	9.12	1080	2700	Aroclor-1221 Peak 3	0.400000	2700.000	
9.21	9.14	9.28	4116	10288	Aroclor-1221 Peak 4	0.400000	10287	
10.20			230					
10.35			467					
10.72			97					
10.80			139					
11.06			138					
11.27			303					
11.31			680					
11.62			394					
11.85			255					
12.07			137					
12.17			97					
12.68			173					
12.96			129					
13.52			156					
13.62			273					
14.03			277					
14.12			135					
14.78			106					
15.03			221					
15.10			208					
15.44			350					
15.51			178					
15.74			109					
15.88			612					
16.23			225					
16.60			241					
16.65			516					
16.84			492					
16.95			301					
17.46			396					
17.61			248					
17.73			133					
17.98			1018					
18.75			645					
18.84			227					
19.96			871					

AHW
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CompuChem

Lab Smp Id : 0E27012-ARC3 Client Smp Id : AR12213HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1221
Inj Date : 29-MAY-2010 00:05 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12213HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
20.19		553					
20.66		118					
21.25	21.18 21.32	15857	406698	Decachlorobiphenyl	0.040000	401125	

Data File: /chem/tracegc84.i/j100528_2C.b/017j0E27012-ARC4.d

Date : 29-MAY-2010 00:34

Client ID: AR12323HA

Instrument: tracegc84.i

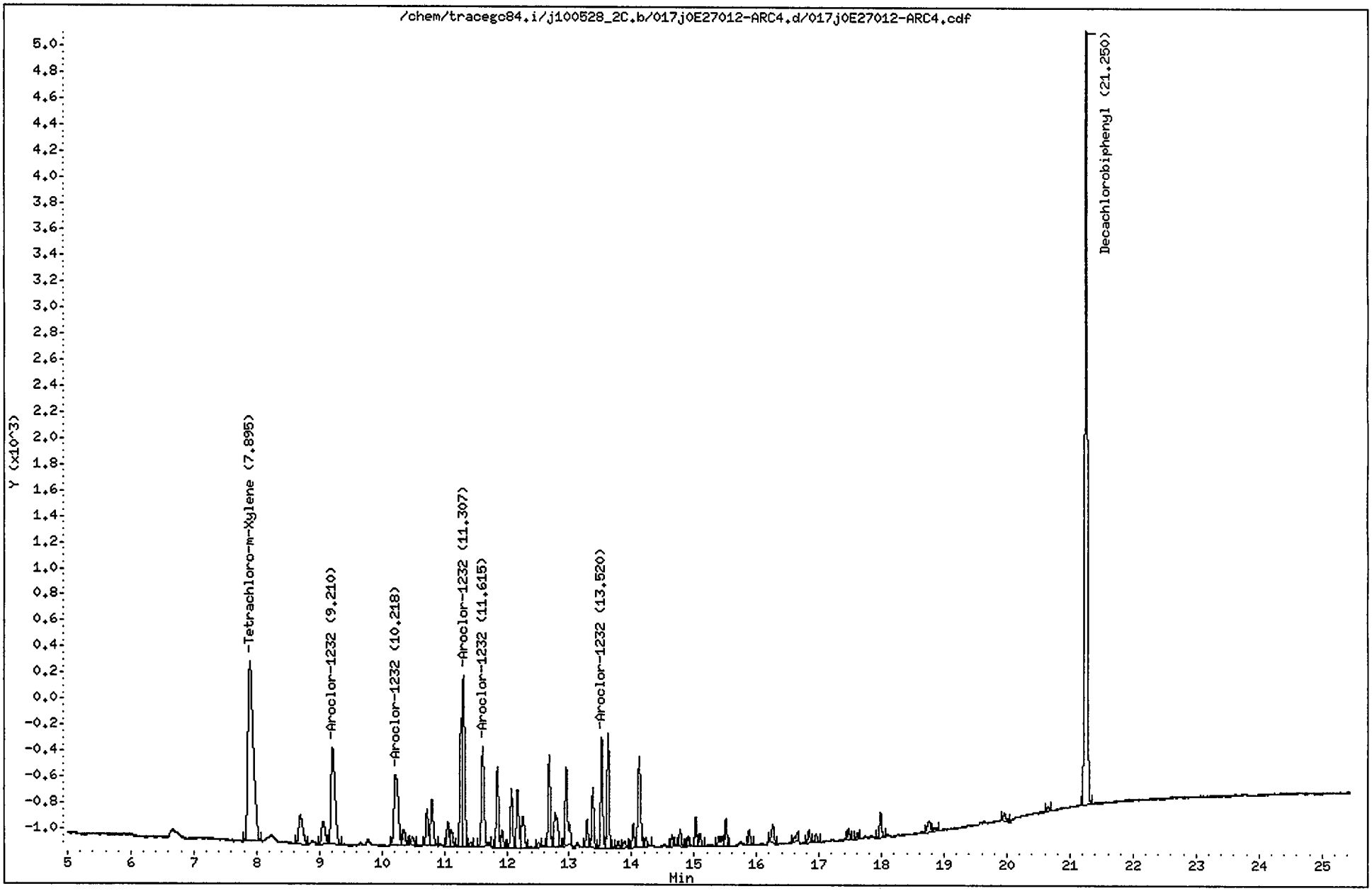
Sample Info: 0E27012-ARC4

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC4 Client Smp Id : AR12323HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1232
Inj Date : 29-MAY-2010 00:34 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12323HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.55			6078					
1.92			227					
7.90	7.82	7.96	8222	416798	Tetrachloro-m-Xylene	0.020000	410850	
8.69			1024					
9.06			732					
9.21	9.14	9.28	3275	8188	Aroclor-1232 Peak 1	0.400000	8187.500	
10.22	10.15	10.29	2568	6418	Aroclor-1232 Peak 2	0.400000	6417.500	
10.35			378					
10.49			176					
10.72			788					
10.80			1046					
11.05			518					
11.12			332					
11.27			2058					
11.31	11.24	11.38	3727	9318	Aroclor-1232 Peak 3	0.400000	9317.500	
11.43			94					
11.62	11.55	11.69	2299	5748	Aroclor-1232 Peak 4	0.400000	5747.500	
11.85			1547					
11.93			323					
12.08			1075					
12.18			1145					
12.27			852					
12.52			91					
12.68			1662					
12.78			1077					
12.95			1754					
13.29			498					
13.38			1017					
13.52	13.45	13.59	1927	4818	Aroclor-1232 Peak 5	0.400000	4817.500	
13.62			2028					
13.78			100					
13.88			146					
14.03			403					
14.12			2031					
14.23			156					
14.64			186					
14.78			270					
14.90			159					
15.03			465					
15.09			247					
15.39			329					
15.51			455					

AHW
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CompuChem

Lab Smp Id : 0E27012-ARC4 Client Smp Id : AR12323HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1232
Inj Date : 29-MAY-2010 00:34 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12323HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.88		264					
16.26		384					
16.60		186					
16.84		225					
16.95		176					
17.47		191					
17.62		94					
17.98		448					
18.76		291					
18.84		109					
19.96		223					
20.66		103					
21.25	21.18 21.32	15900	406698	Decachlorobiphenyl	0.040000	401125	

Data File: /chem/tracegc84.i/j100528_2C.b/018j0E27012-ARC5.d

Date : 29-MAY-2010 01:03

Client ID: AR12423HA

Instrument: tracegc84.i

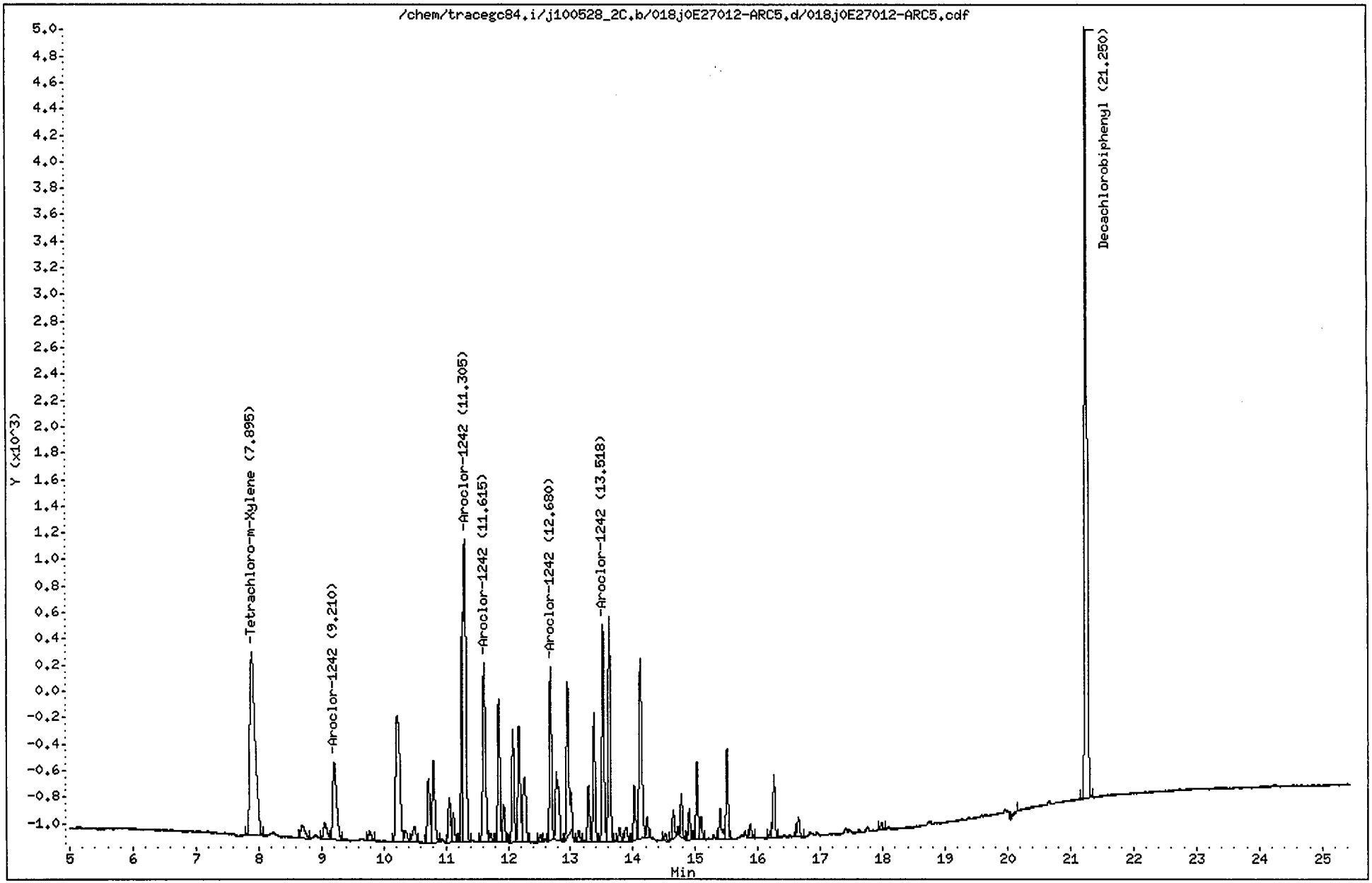
Sample Info: 0E27012-ARC5

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC5 Client Smp Id : AR12423HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1242
Inj Date : 29-MAY-2010 01:03 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12423HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.54			4643					
2.52			95					
7.90	7.82	7.96	8181	416798	Tetrachloro-m-Xylene	0.020000	410850	
8.69			451					
9.05			464					
9.21	9.14	9.28	2438	6092	Aroclor-1242 Peak 1	0.400000	6092.500	
9.78			255					
10.22			4459					
10.35			260					
10.49			448					
10.72			1417					
10.80			1857					
11.05			903					
11.12			581					
11.27			3529					
11.30	11.23	11.37	6570	16425	Aroclor-1242 Peak 2	0.400000	16425	
11.62	11.55	11.69	4090	10222	Aroclor-1242 Peak 3	0.400000	10223	
11.72			154					
11.85			2686					
11.93			698					
12.08			2079					
12.17			2308					
12.27			1751					
12.52			122					
12.68	12.61	12.75	3039	7598	Aroclor-1242 Peak 4	0.400000	7597.500	
12.77			1924					
12.95			3384					
13.13			196					
13.29			977					
13.38			2193					
13.52	13.45	13.59	3803	9505	Aroclor-1242 Peak 5	0.400000	9505.000	
13.62			4081					
13.78			240					
13.89			342					
14.02			915					
14.12			4153					
14.22			317					
14.52			126					
14.64			488					
14.78			680					
14.90			497					
15.03			1278					

AHW
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CompuChem

Lab Smp Id : 0E27012-ARC5 Client Smp Id : AR12423HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1242
Inj Date : 29-MAY-2010 01:03 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12423HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.09		398					
15.39		655					
15.51		1508					
15.88		255					
16.21		101					
16.25		1102					
16.65		394					
17.98		126					
20.15		103					
21.25	21.18 21.32	15810	406698	Decachlorobiphenyl	0.040000	401125	

Data File: /chem/tracegc84.i/j100528_2C.b/019j0E27012-ARC6.d

Date : 29-MAY-2010 01:32

Client ID: AR12483HA

Sample Info: 0E27012-ARC6

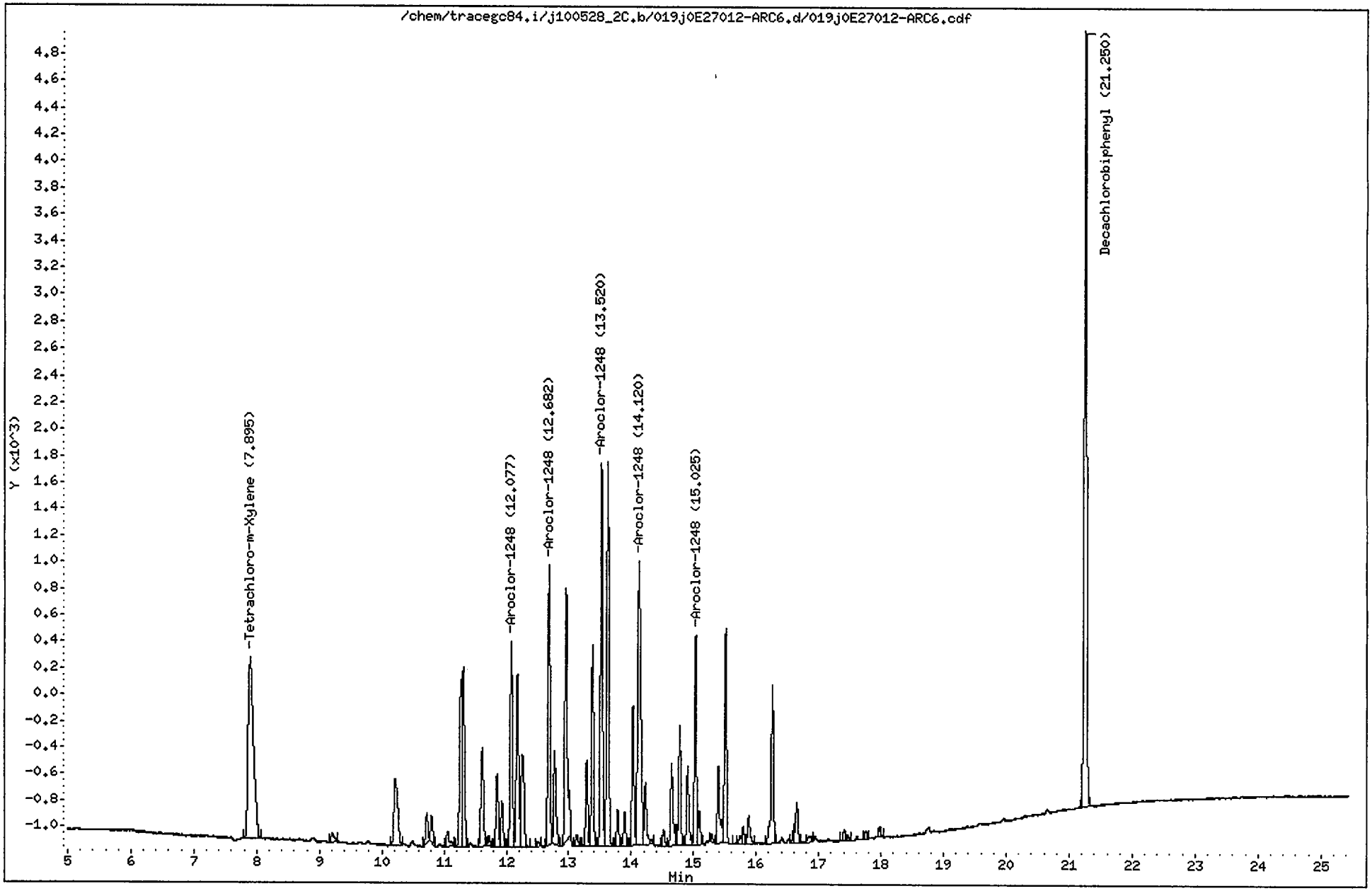
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC6 Client Smp Id : AR12483HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1248
Inj Date : 29-MAY-2010 01:32 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12483HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.55			6951					
1.90			216					
7.90	7.82	7.96	8180	416798	Tetrachloro-m-Xylene	0.020000	410850	
9.21			240					
10.22			2132					
10.72			548					
10.80			506					
11.05			377					
11.27			2891					
11.31			3648					
11.61			2168					
11.71			174					
11.85			1385					
11.93			873					
12.08	12.01	12.15	3800	9500	Aroclor-1248 Peak 1	0.400000	9500.000	
12.17			3447					
12.26			2536					
12.50			95					
12.68	12.61	12.75	4952	12378	Aroclor-1248 Peak 2	0.400000	12377	
12.77			1909					
12.95			5414					
13.13			193					
13.29			1486					
13.38			3533					
13.52	13.45	13.59	6749	16872	Aroclor-1248 Peak 3	0.400000	16873	
13.62			7131					
13.78			627					
13.89			633					
14.03			2480					
14.12	14.05	14.19	7275	18185	Aroclor-1248 Peak 4	0.400000	18185	
14.22			1226					
14.52			289					
14.64			1587					
14.72			238					
14.78			2062					
14.90			1474					
15.02	14.96	15.10	3554	8882	Aroclor-1248 Peak 5	0.400000	8882.500	
15.09			573					
15.29			129					
15.39			1678					
15.51			3676					
15.74			137					

AHW
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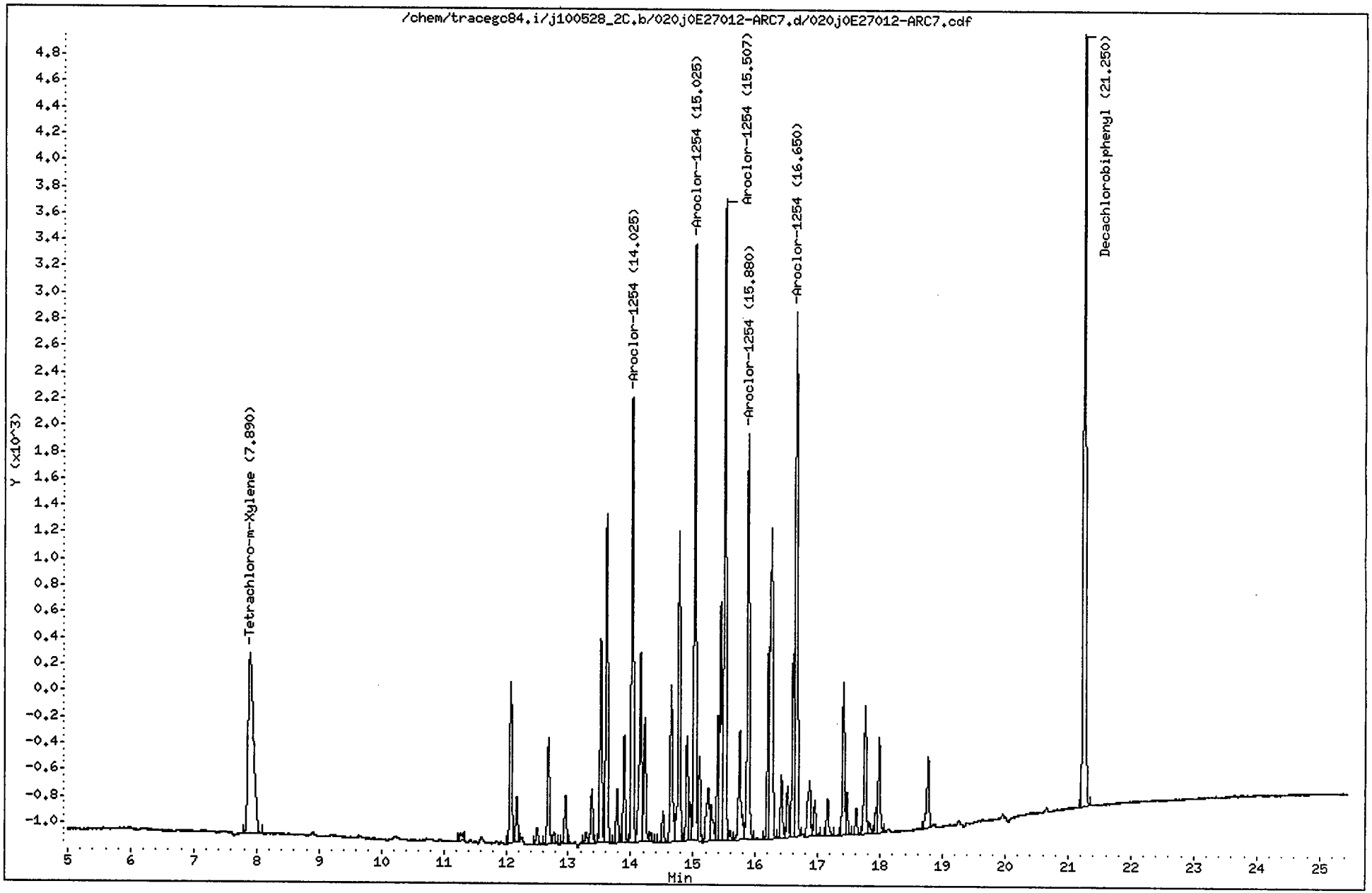
CompuChem

Lab Smp Id : 0E27012-ARC6 Client Smp Id : AR12483HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1248
Inj Date : 29-MAY-2010 01:32 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12483HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.79		271					
15.88		577					
16.26		3091					
16.60		180					
16.65		770					
16.84		179					
17.41		196					
17.46		100					
17.75		155					
17.98		158					
21.25	21.18 21.32	15689	406698	Decachlorobiphenyl	0.040000	401125	

Data File: /chem/tracegc84.i/j100528_2C.b/020j0E27012-ARC7.d
Date : 29-MAY-2010 02:01
Client ID: AR12543HA
Sample Info: 0E27012-ARC7
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc84.i
Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC7 Client Smp Id : AR12543HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1254
Inj Date : 29-MAY-2010 02:01 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12543HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.53		1503					
2.52		107					
7.89	7.82 7.96	8133	416798	Tetrachloro-m-Xylene	0.020000	410850	
11.27		231					
12.08		2963					
12.17		770					
12.50		310					
12.68		1873					
12.77		210					
12.95		884					
13.29		183					
13.38		919					
13.52		3563					
13.61		5900					
13.78		937					
13.89		1800					
14.02	13.96 14.10	7888	19718	Aroclor-1254 Peak 1	0.400000	19717	
14.16		3806					
14.22		2167					
14.32		171					
14.52		557					
14.64		2999					
14.78		5649					
14.90		1782					
14.95		591					
15.02	14.96 15.10	10277	25690	Aroclor-1254 Peak 2	0.400000	25690	
15.10		1390					
15.24		1408					
15.29		819					
15.39		1945					
15.44		4271					
15.51	15.44 15.58	10919	27295	Aroclor-1254 Peak 3	0.400000	27295	
15.60		153					
15.74		2382					
15.88	15.81 15.95	7170	17922	Aroclor-1254 Peak 4	0.400000	17923	
16.20		2920					
16.25		7155					
16.41		1092					
16.52		844					
16.60		2842					
16.65	16.58 16.72	10096	25238	Aroclor-1254 Peak 5	0.400000	25237	
16.87		1426					

AHW
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CompuChem

Lab Smp Id : 0E27012-ARC7 Client Smp Id : AR12543HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1254
Inj Date : 29-MAY-2010 02:01 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12543HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
16.95		635					
17.15		700					
17.41		2600					
17.46		702					
17.62		443					
17.76		2404					
17.83		213					
17.93		382					
17.98		1680					
18.77		1427					
21.25	21.18 21.32	15713	406698	Decachlorobiphenyl	0.040000	401125	

Data File: /chem/tracegc84.i/j100528_2C.b/021j0E27012-ICV1.d

Date : 29-MAY-2010 02:30

Client ID: PESTCHKHA

Sample Info: 0E27012-ICV1

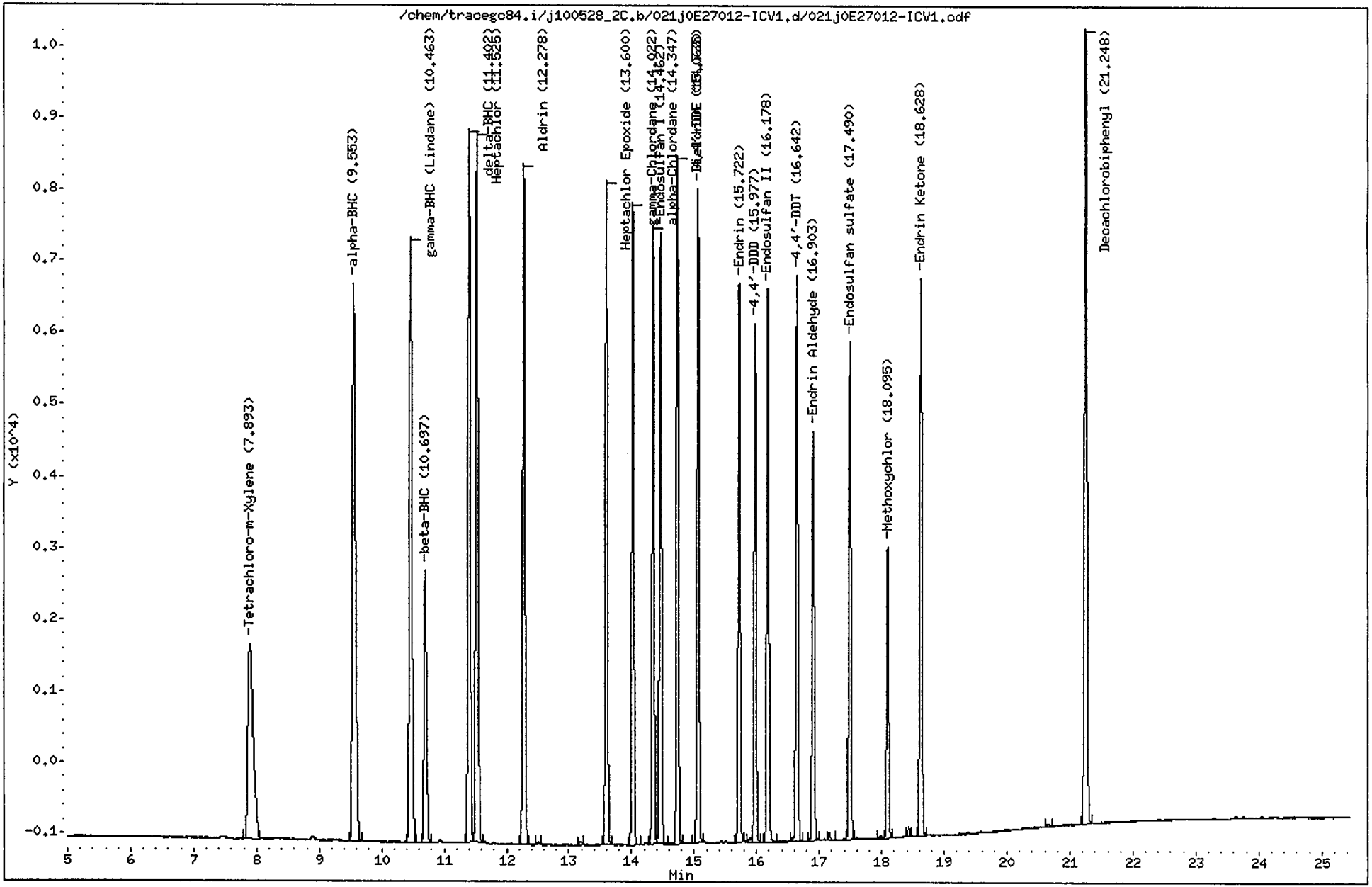
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: System

Column diameter: 0.32



CompuChem

Lab Smp Id	: 0E27012-ICV1	Client Smp Id	: PESTCHKHA
Sample Type	: QCCHECK	Sublist	: INDA
Inj Date	: 29-MAY-2010 02:30	Inst ID	: TRACEGC84
Operator	: System	Spike Sublist	: INDAchek
Method	: /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m		
Misc. Info	: PESTCHKHA		

RT	AREA
1.52	971
2.52	113
7.89	16373
9.55	27766
10.46	25508
10.70	10744
11.40	25025
11.53	26353
12.28	24122
12.51	90
13.19	137
13.60	21487
14.02	20491
14.35	19566
14.46	19716
14.73	20595
15.06	20726
15.72	17889
15.89	173
15.98	15433
16.18	17845
16.64	17369
16.90	13306
17.16	236
17.49	16118
17.98	91
18.09	9156
18.43	293
18.63	18709
20.66	111
21.25	29779

AHW
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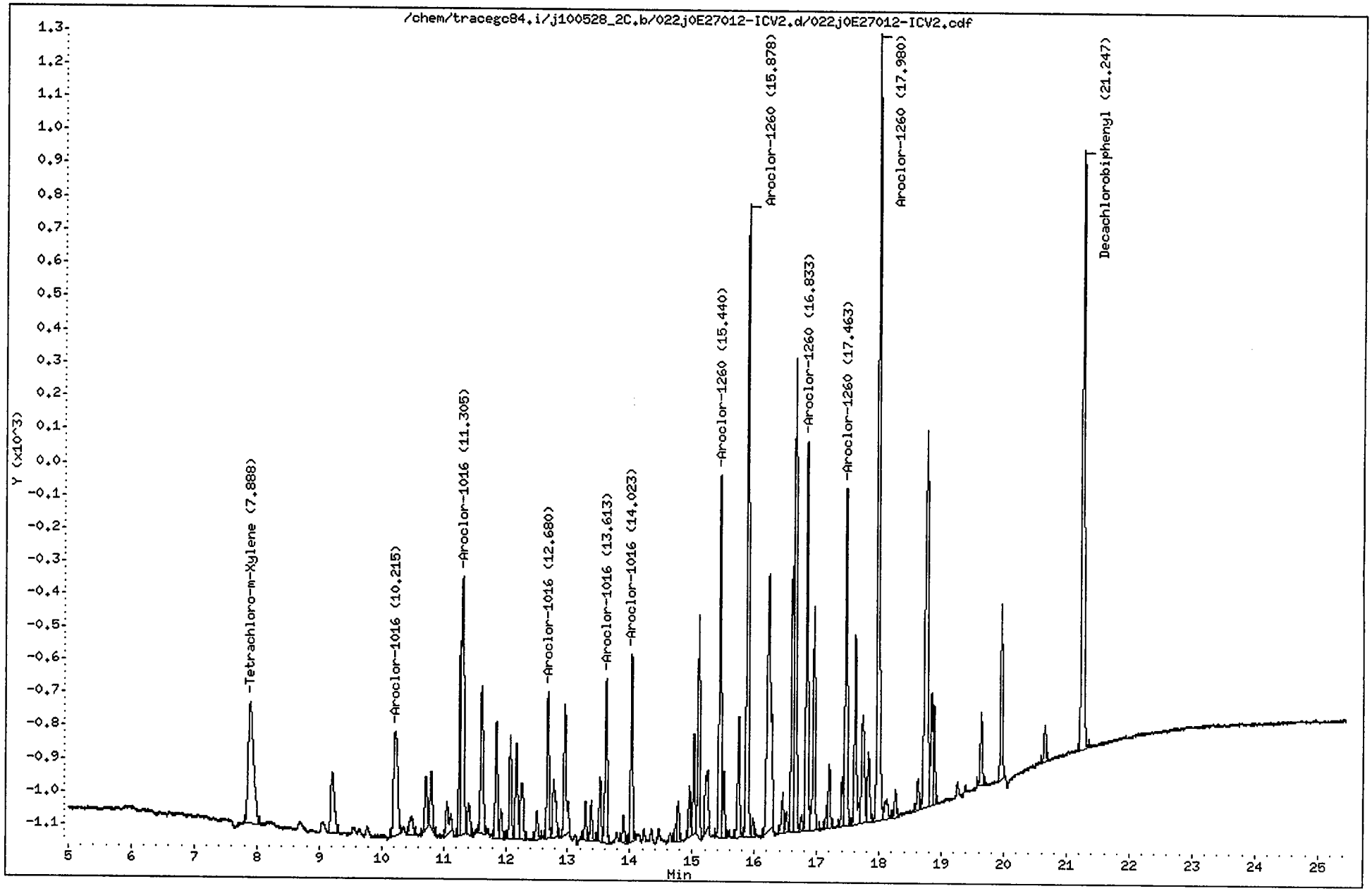
Data File: /chem/tracegc84.i/j100528_2C.b/022j0E27012-ICV2.d
Date : 29-MAY-2010 02:59
Client ID: PCBCHKHA
Sample Info: 0E27012-ICV2
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ICV2 Client Smp Id : PCBCHKHA
Sample Type : QCCHECK Sublist : AR1660
Inj Date : 29-MAY-2010 02:59 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : AR1660OVchk
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : PCBCHKHA

RT	AREA
1.51	5107
7.89	2190
9.21	761
10.21	1448
10.48	242
10.72	451
10.80	458
11.05	369
11.27	1244
11.30	2146
11.41	281
11.61	1273
11.85	884
11.93	232
12.07	732
12.17	760
12.27	603
12.50	215
12.68	1026
12.77	586
12.95	1132
13.28	262
13.38	254
13.52	457
13.61	1218
13.89	196
14.02	1251
14.73	96
14.77	284
14.95	331
15.02	670
15.10	1485
15.21	680
15.44	2500
15.51	438
15.74	902
15.88	4331
15.98	116
16.23	3252
16.45	289
16.51	136
16.60	1788
16.65	3672
16.75	107
16.83	2698

AHW
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CompuChem

Lab Smp Id : 0E27012-ICV2 Client Smp Id : PCBCHKHA
Sample Type : QCCHECK Sublist : AR1660
Inj Date : 29-MAY-2010 02:59 Inst ID :
Operator : AHW Spike Sublist : AR1660OVchk
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : PCBCHKHA

RT	AREA
16.95	1595
17.15	119
17.20	443
17.41	308
17.46	2477
17.61	1400
17.73	1073
17.83	559
17.98	5630
18.12	237
18.26	182
18.62	233
18.76	3878
18.84	740
18.88	657
19.63	502
19.95	1166
20.65	268
21.25	4893

Manual Integrations							
SDG:							
Sample(s)	0E27012-ARC1						
Compound							
alpha-BHC							
gamma-BHC							
beta-BHC							
delta-BHC							
Heptachlor							
Aldrin							
Heptachlor Epoxide							
gamma-Chlordane							
alpha-Chlordane							
Endosulfan I							
4,4'-DDE							
Dieldrin							
Endrin							
4,4'-DDD							
Endosulfan II							
4,4'-DDT							
Endrin Aldehyde							
Endosulfan sulfate							
Methoxychlor							
Endrin Ketone							
Toxaphene	x						
Technical Chordane							
Tetrachloro-m-xylene							
Decachlorbiphenyl							
"X" Denotes a manual integration for the compound							

Data File: /chem/tracegc84.i/j100528u.b/213jSEQ-CCV3.d

Page 1

Date : 04-JUN-2010 22:37

Client ID: INDC3KR

Instrument: tracegc84.i

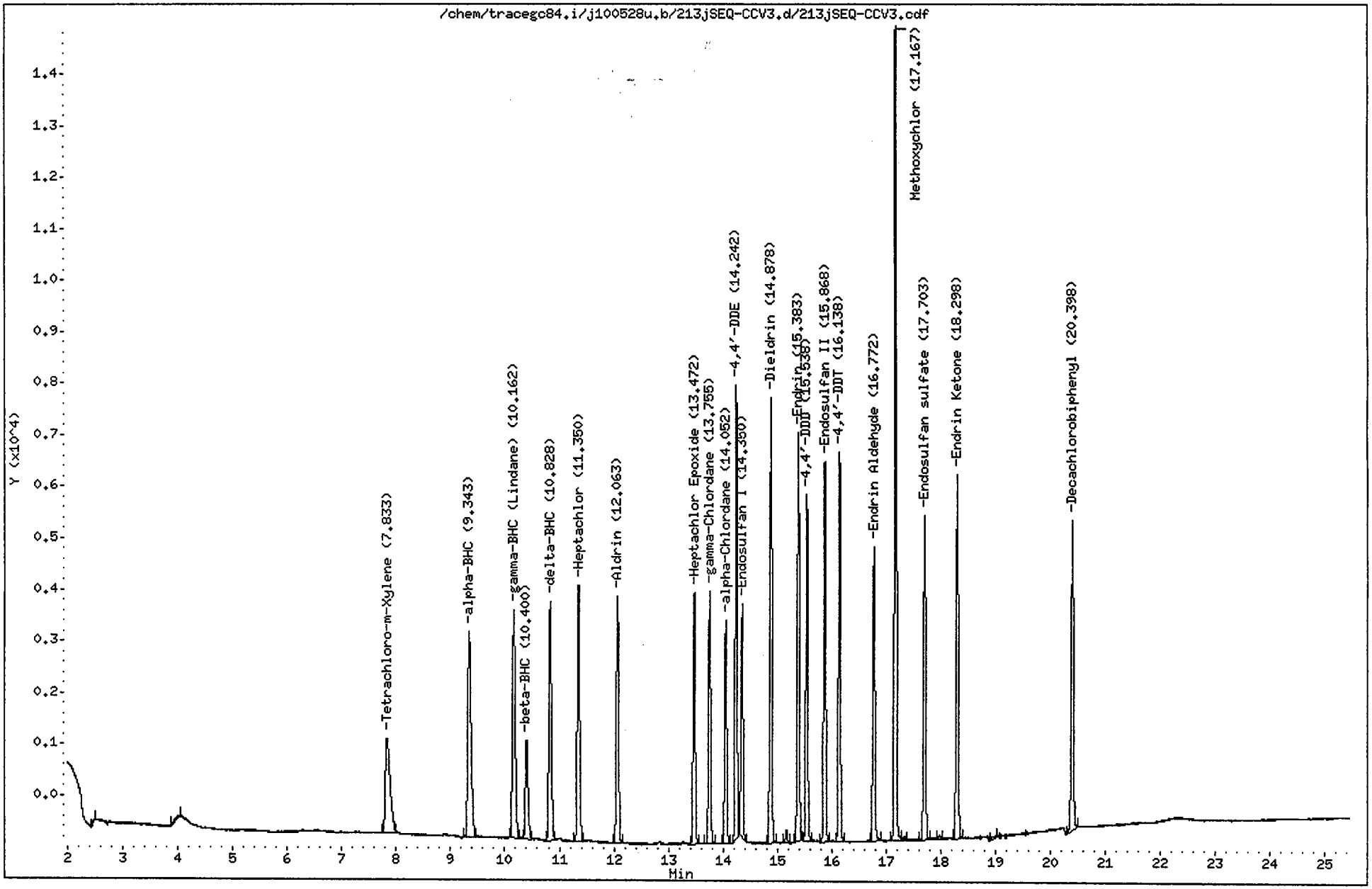
Sample Info: SEQ-CCV3

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV3 Client Smp Id : INDC3KR
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 04-JUN-2010 22:37 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528u.b/8081A_clpestv6.m
Misc. Info : INDC3KR

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.35			173								
1.46			34496								
2.48			245								
4.02			383								
7.83	7.77	7.91	11185	522758	Tetrachloro-m-Xylene	0.020000	559275	-7.0	20.0		
9.34	9.29	9.43	16856	775960	alpha-BHC	0.020000	842778	-8.6	20.0		
10.16	10.11	10.25	15709	729192	gamma-BHC (Lindane)	0.020000	785438	-7.7	20.0		
10.40	10.34	10.48	6426	300532	beta-BHC	0.020000	321307	-6.9	20.0		
10.83	10.77	10.91	14615	689518	delta-BHC	0.020000	730755	-6.0	20.0		
11.35	11.29	11.43	14911	695465	Heptachlor	0.020000	745560	-7.2	20.0		
12.06	12.01	12.15	13614	636570	Aldrin	0.020000	680680	-6.9	20.0		
13.47	13.42	13.56	12520	593700	Heptachlor Epoxide	0.020000	625983	-5.4	20.0		
13.76	13.70	13.84	12614	594875	gamma-Chlordane	0.020000	630690	-6.0	20.0		
14.05	14.00	14.14	10961	516712	alpha-Chlordane	0.020000	548067	-6.1	20.0		
14.24	14.19	14.33	21123	523741	4,4'-DDE	0.040000	528063	-0.8	20.0		
14.35	14.29	14.43	11409	548162	Endosulfan I	0.020000	570430	-4.1	20.0		
14.88	14.82	14.96	21751	515556	Dieldrin	0.040000	543782	-5.5	20.0		
15.17			588								
15.38	15.33	15.47	19994	463071	Endrin	0.040000	499844	-7.9	20.0		
15.54	15.48	15.62	16088	393458	4,4'-DDD	0.040000	402196	-2.2	20.0		
15.87	15.81	15.95	18698	450326	Endosulfan II	0.040000	467440	-3.8	20.0		
16.14	16.08	16.22	18373	454781	4,4'-DDT	0.040000	459314	-1.0	20.0		
16.77	16.71	16.85	14616	348470	Endrin Aldehyde	0.040000	365409	-4.9	20.0		
17.17	17.11	17.25	38632	194359	Methoxychlor	0.200000	193158	0.6	20.0		
17.34			221								
17.70	17.65	17.79	16025	392055	Endosulfan sulfate	0.040000	400625	-2.2	20.0		
17.98			216								
18.30	18.24	18.38	18129	457258	Endrin Ketone	0.040000	453224	0.9	20.0		
19.00			227								
20.40	20.33	20.47	15962	408350	Decachlorobiphenyl	0.040000	399039	2.3	20.0		

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Data File: /chem/tracegc84.i/j100528u.b/214jSEQ-PEM3.d

Page 1

Date : 04-JUN-2010 23:06

Client ID: PEMKR

Instrument: tracegc84.i

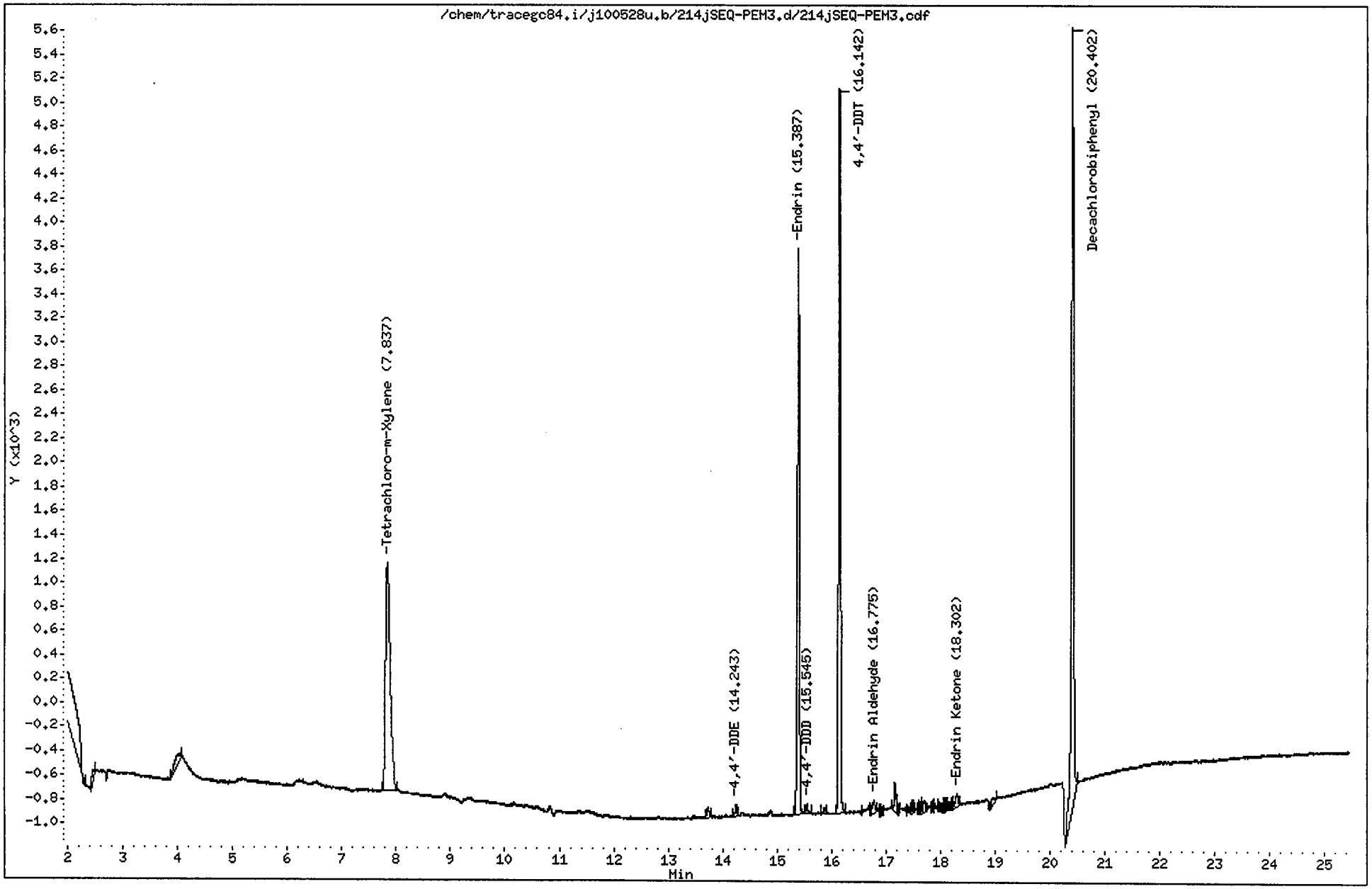
Sample Info: SEQ-PEM3

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM3 Client Smp Id : PEMKR
Sample Type : SAMPLE Sublist : PEM
Inj Date : 04-JUN-2010 23:06 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528u.b/8081A_clpestv6.m
Misc. Info : PEMKR

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.36			528								
1.46			59408								
2.46			213								
4.00			556								
7.84	7.77	7.91	11367	522758	Tetrachloro-m-Xylene	0.021745	0.021745		109.8	43 - 135	
13.73			246								
14.24	14.19	14.33	243	523741	4,4'-DDE	0.000464	0.000464	0.020000			J
15.39	15.33	15.47	11916	463071	Endrin	0.025732	0.025732	0.020000			
15.54	15.48	15.62	191	393458	4,4'-DDD	0.000486	0.000486	0.020000			J
15.87			131								
16.14	16.08	16.22	14576	454781	4,4'-DDT	0.032051	0.032051	0.020000			
16.78	16.71	16.85	335	348470	Endrin Aldehyde	0.000960	0.000960	0.020000			J
17.16			650								
17.49			222								
17.63			182								
17.71			261								
18.07			153								
18.30	18.24	18.38	368	457258	Endrin Ketone	0.000804	0.000804	0.020000			J
19.01			264								
20.40	20.33	20.47	18158	408350	Decachlorobiphenyl	0.044467	0.044467		112.3	43 - 144	

Data File: /chem/tracegc84.i/j100528u_2C.b/213jSEQ-CCV3.d

Page 1

Date : 04-JUN-2010 22:37

Client ID: INDC3KR

Instrument: tracegc84.i

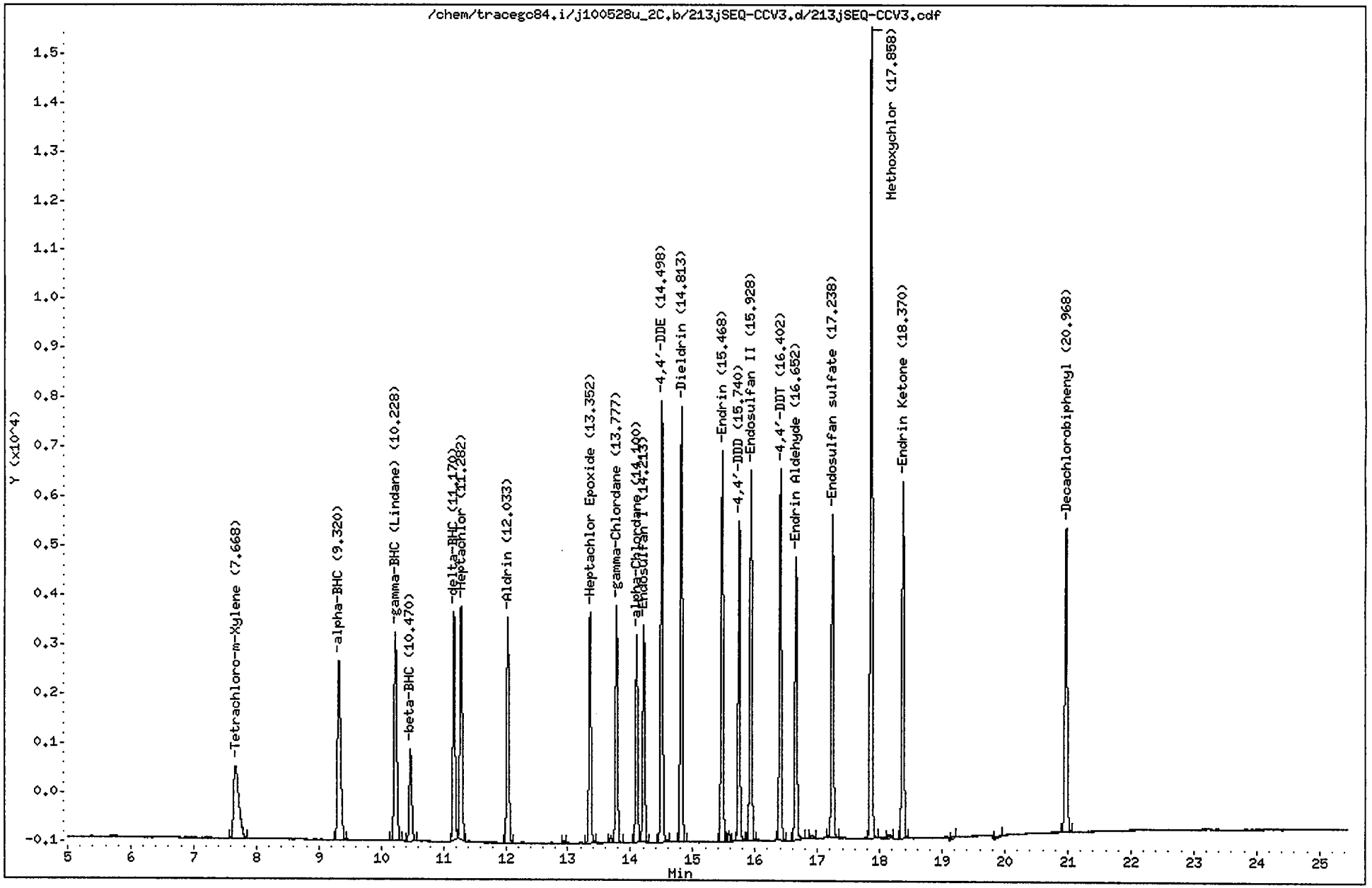
Sample Info: SEQ-CCV3

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

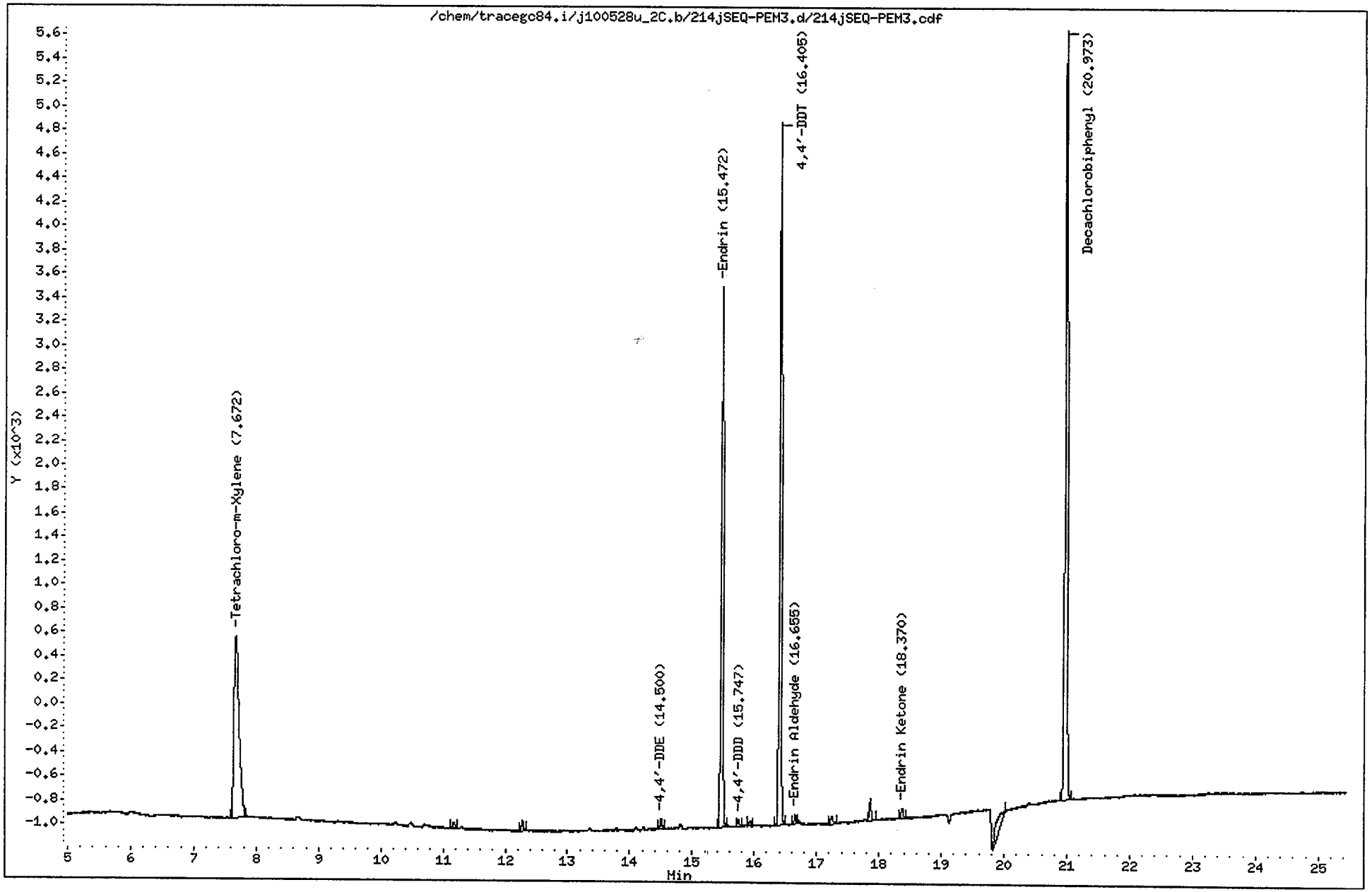
Lab Smp Id : SEQ-CCV3 Client Smp Id : INDC3KR
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 04-JUN-2010 22:37 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528u_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3KR

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.31			105								
1.45			8618								
7.67	7.61	7.75	8623	416798	Tetrachloro-m-Xylene	0.020000	431170	-3.4	20.0		
9.32	9.26	9.40	12762	607758	alpha-BHC	0.020000	638090	-5.0	20.0		
10.23	10.17	10.31	12409	585542	gamma-BHC (Lindane)	0.020000	620430	-6.0	20.0		
10.47	10.41	10.55	5214	248610	beta-BHC	0.020000	260717	-4.9	20.0		
11.17	11.11	11.25	11288	551235	delta-BHC	0.020000	564418	-2.4	20.0		
11.28	11.22	11.36	12269	579497	Heptachlor	0.020000	613433	-5.9	20.0		
12.03	11.97	12.11	11469	542192	Aldrin	0.020000	573440	-5.8	20.0		
12.94			95								
13.35	13.29	13.43	10765	511912	Heptachlor Epoxide	0.020000	538253	-5.1	20.0		
13.69			275								
13.78	13.71	13.85	10791	513150	gamma-Chlordane	0.020000	539552	-5.1	20.0		
14.10	14.04	14.18	9370	446248	alpha-Chlordane	0.020000	468480	-5.0	20.0		
14.21	14.15	14.29	10034	477982	Endosulfan I	0.020000	501688	-5.0	20.0		
14.50	14.43	14.57	19576	468602	4,4'-DDE	0.040000	489406	-4.4	20.0		
14.81	14.75	14.89	19556	461929	Dieldrin	0.040000	488890	-5.8	20.0		
15.47	15.40	15.54	17880	408649	Endrin	0.040000	446989	-9.4	20.0		
15.57			461								
15.74	15.67	15.81	13860	340626	4,4'-DDD	0.040000	346505	-1.7	20.0		
15.93	15.86	16.00	16832	404930	Endosulfan II	0.040000	420807	-3.9	20.0		
16.40	16.33	16.47	16167	405929	4,4'-DDT	0.040000	404187	0.4	20.0		
16.65	16.59	16.73	13104	316985	Endrin Aldehyde	0.040000	327605	-3.4	20.0		
16.91			127								
17.24	17.17	17.31	14989	366674	Endosulfan sulfate	0.040000	374733	-2.2	20.0		
17.86	17.79	17.93	36013	182916	Methoxychlor	0.200000	180065	1.6	20.0		
18.14			230								
18.37	18.30	18.44	16685	419519	Endrin Ketone	0.040000	417131	0.6	20.0		
19.19			104								
19.94			123								
20.97	20.90	21.04	15836	406698	Decachlorobiphenyl	0.040000	395909	2.7	20.0		

Data File: /chem/tracegc84.i/j100528u_2C.b/214jSEQ-PEM3.d
Date : 04-JUN-2010 23:06
Client ID: PEMKR
Sample Info: SEQ-PEM3
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM3 Client Smp Id : PEMKR
Sample Type : SAMPLE Sublist : PEM
Inj Date : 04-JUN-2010 23:06 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528u_2C.b/8081A_clpest2v6.m
Misc. Info : PEMKR

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.43			8893								
7.67	7.61	7.75	8679	416798	Tetrachloro-m-Xylene	0.020823	0.020823		105.2	43 - 135	
11.18			125								
12.28			195								
14.50	14.43	14.57	162	468602	4,4'-DDE	0.000345	0.000345	0.020000			J
15.47	15.40	15.54	10087	408649	Endrin	0.024684	0.024684	0.020000			
15.75	15.67	15.81	125	340626	4,4'-DDD	0.000366	0.000366	0.020000			J
15.93			101								
16.40	16.33	16.47	12545	405929	4,4'-DDT	0.030904	0.030904	0.020000			
16.66	16.59	16.73	161	316985	Endrin Aldehyde	0.000507	0.000507	0.020000			J
17.25			186								
17.86			397								
18.37	18.30	18.44	199	419519	Endrin Ketone	0.000475	0.000475	0.020000			J
20.02			1068								
20.97	20.90	21.04	16536	406698	Decachlorobiphenyl	0.040659	0.040659		102.7	43 - 144	

Data File: /chem/tracegc84.i/j100528v.b/227jSEQ-CCV4.d

Date : 05-JUN-2010 05:22

Client ID: INDC3KT

Sample Info: SEQ-CCV4

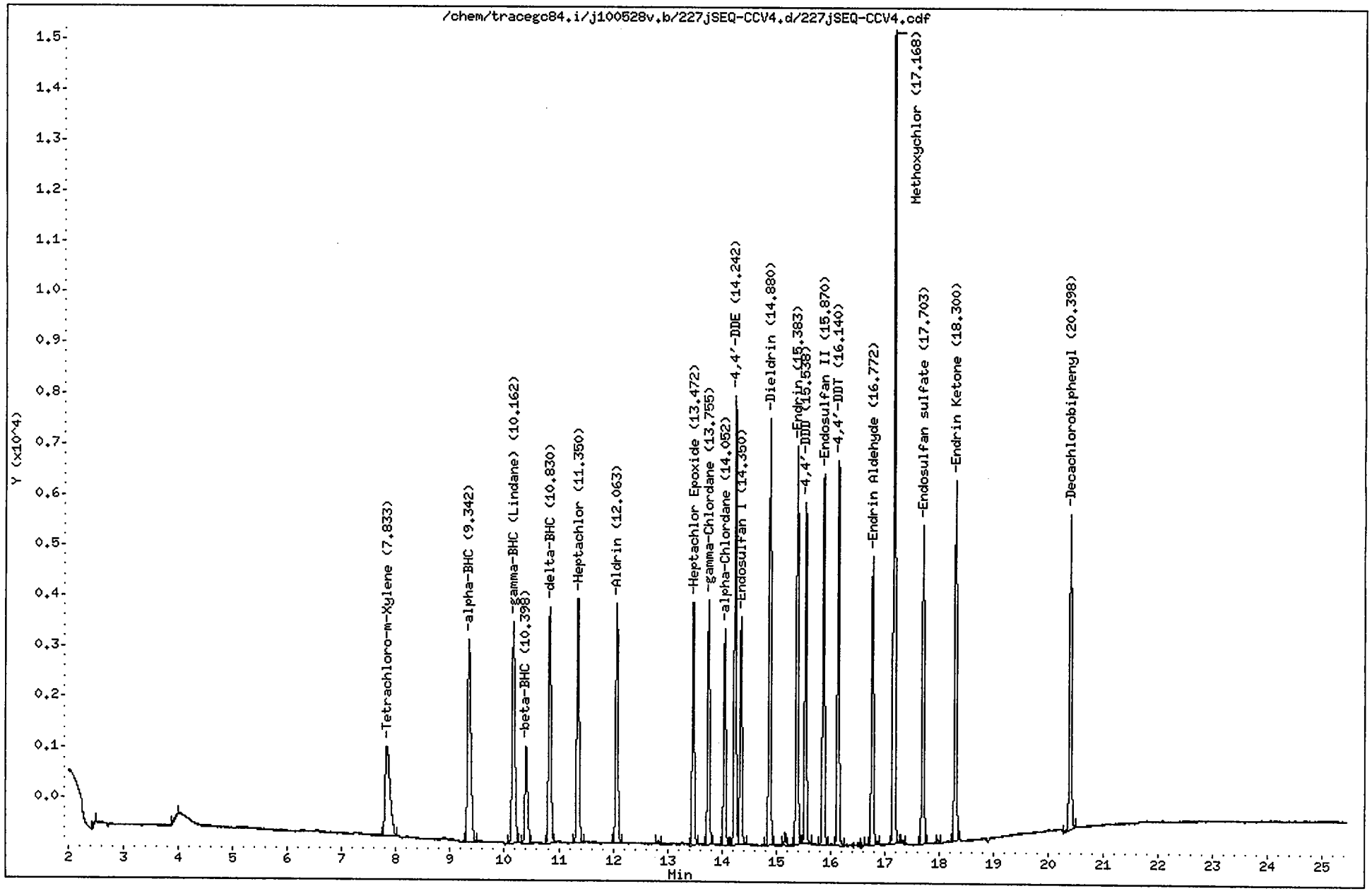
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV4 Client Smp Id : INDC3KT
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 05-JUN-2010 05:22 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528v.b/8081A_clpestv6.m
Misc. Info : INDC3KT

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.35			151								
1.45			3761								
2.48			203								
4.00			227								
7.83	7.77	7.91	11168	522758	Tetrachloro-m-Xylene	0.020000	558400	-6.8	20.0		
9.34	9.29	9.43	16560	775960	alpha-BHC	0.020000	828015	-6.7	20.0		
10.16	10.11	10.25	15499	729192	gamma-BHC (Lindane)	0.020000	774935	-6.3	20.0		
10.40	10.34	10.48	6439	300532	beta-BHC	0.020000	321955	-7.1	20.0		
10.83	10.77	10.91	14658	689518	delta-BHC	0.020000	732885	-6.3	20.0		
11.35	11.29	11.43	14622	695465	Heptachlor	0.020000	731100	-5.1	20.0		
12.06	12.01	12.15	13411	636570	Aldrin	0.020000	670555	-5.3	20.0		
12.84			166								
13.47	13.42	13.56	12422	593700	Heptachlor Epoxide	0.020000	621085	-4.6	20.0		
13.76	13.70	13.84	12357	594875	gamma-Chlordane	0.020000	617865	-3.9	20.0		
14.05	14.00	14.14	10865	516712	alpha-Chlordane	0.020000	543260	-5.1	20.0		
14.24	14.19	14.33	21724	523741	4,4'-DDE	0.040000	543106	-3.7	20.0		
14.35	14.29	14.43	11699	548162	Endosulfan I	0.020000	584947	-6.7	20.0		
14.88	14.82	14.96	21385	515556	Dieldrin	0.040000	534622	-3.7	20.0		
15.17			578								
15.38	15.33	15.47	19787	463071	Endrin	0.040000	494665	-6.8	20.0		
15.54	15.48	15.62	16214	393458	4,4'-DDD	0.040000	405344	-3.0	20.0		
15.87	15.81	15.95	18614	450326	Endosulfan II	0.040000	465344	-3.3	20.0		
16.14	16.08	16.22	18496	454781	4,4'-DDT	0.040000	462410	-1.7	20.0		
16.57			126								
16.77	16.71	16.85	14520	348470	Endrin Aldehyde	0.040000	362996	-4.2	20.0		
17.17	17.11	17.25	39171	194359	Methoxychlor	0.200000	195853	-0.8	20.0		
17.34			143								
17.70	17.65	17.79	16031	392055	Endosulfan sulfate	0.040000	400768	-2.2	20.0		
17.98			173								
18.30	18.24	18.38	18334	457258	Endrin Ketone	0.040000	458347	-0.2	20.0		
20.40	20.33	20.47	16184	408350	Decachlorobiphenyl	0.040000	404599	0.9	20.0		

Data File: /chem/tracegc84.i/j100528v.b/228jSEQ-PEM4.d

Date : 05-JUN-2010 05:51

Client ID: PEMKT

Sample Info: SEQ-PEM4

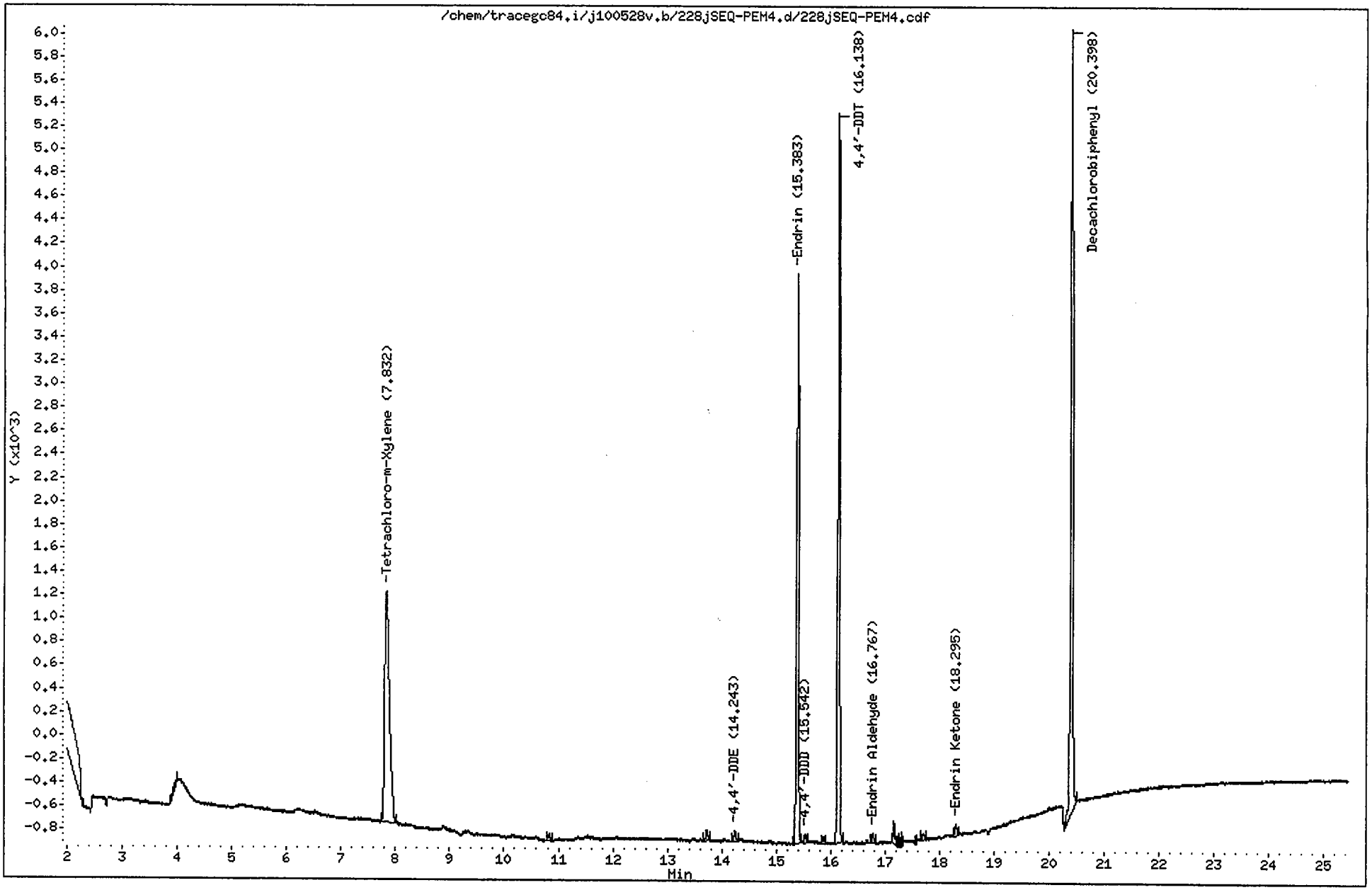
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM4 Client Smp Id : PEMKT
Sample Type : SAMPLE Sublist : PEM
Inj Date : 05-JUN-2010 05:51 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528v.b/8081A_clpestv6.m
Misc. Info : PEMKT

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.36			472								
1.45			59100								
3.99			174								
7.83	7.77	7.91	12042	522758	Tetrachloro-m-Xylene	0.023036	0.023036		116.3	43 - 135	
10.83			167								
13.73			222								
14.24	14.19	14.33	223	523741	4,4'-DDE	0.000427	0.000427	0.020000			J
15.38	15.33	15.47	12370	463071	Endrin	0.026713	0.026713	0.020000			
15.54	15.48	15.62	176	393458	4,4'-DDD	0.000447	0.000447	0.020000			J
15.87			139								
16.14	16.08	16.22	15094	454781	4,4'-DDT	0.033190	0.033190	0.020000			
16.77	16.71	16.85	210	348470	Endrin Aldehyde	0.000602	0.000602	0.020000			J
17.16			491								
17.26			140								
17.31			148								
17.70			136								
18.30	18.24	18.38	248	457258	Endrin Ketone	0.000541	0.000541	0.020000			J
20.40	20.33	20.47	17663	408350	Decachlorobiphenyl	0.043256	0.043256		109.2	43 - 144	

6/5/10

Data File: /chem/tracegc84.i/j100528v_2C.b/227jSEQ-CCV4.d

Date : 05-JUN-2010 05:22

Client ID: INDC3KT

Sample Info: SEQ-CCV4

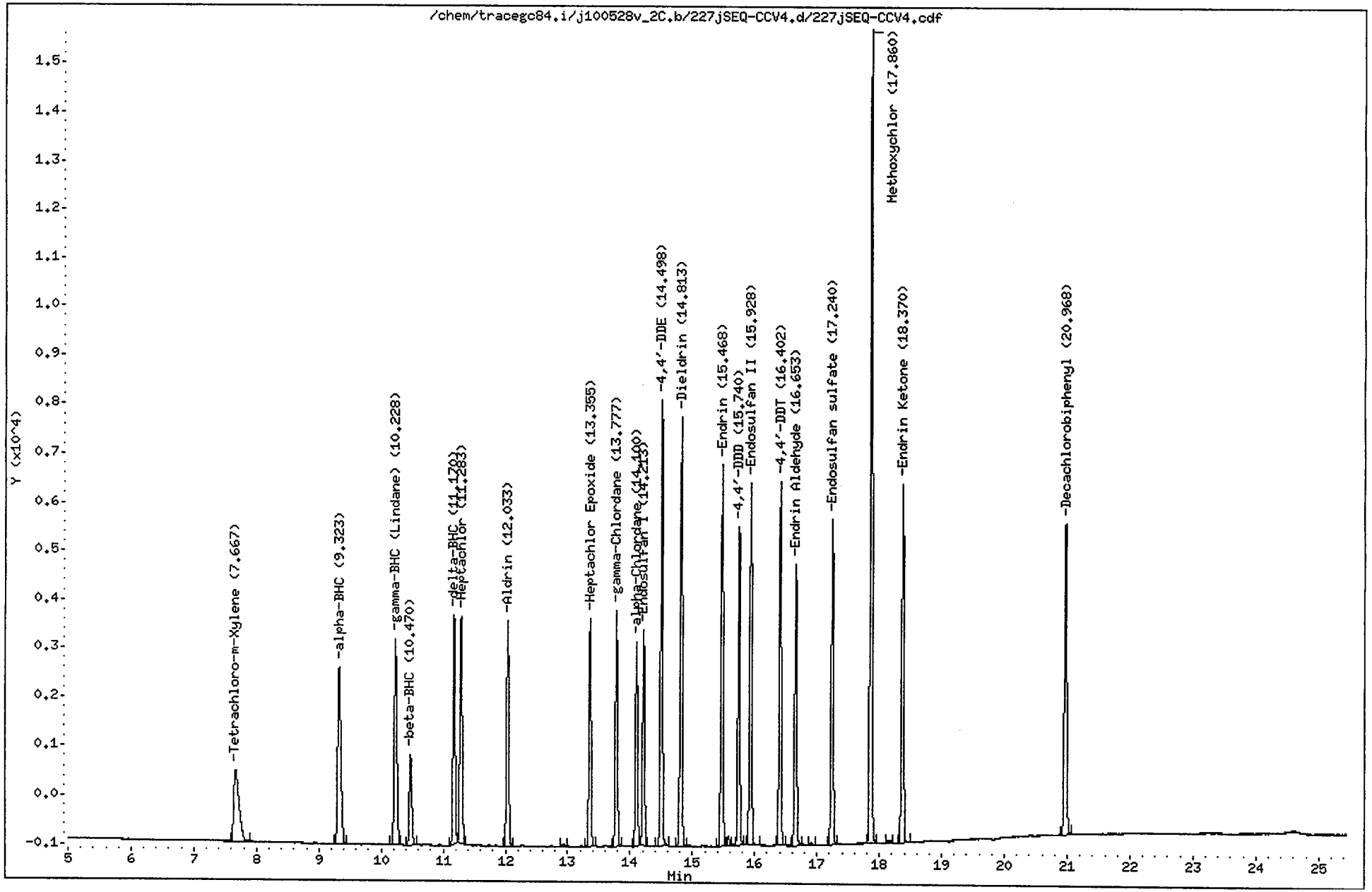
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV4 Client Smp Id : INDC3KT
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 05-JUN-2010 05:22 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528v_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3KT

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.31			101								
1.44			8287								
3.33			215								
7.67	7.61	7.75	8488	416798	Tetrachloro-m-Xylene	0.020000	424380	-1.8	20.0		
9.32	9.26	9.40	12604	607758	alpha-BHC	0.020000	630210	-3.7	20.0		
10.23	10.17	10.31	12229	585542	gamma-BHC (Lindane)	0.020000	611450	-4.4	20.0		
10.47	10.41	10.55	5196	248610	beta-BHC	0.020000	259800	-4.5	20.0		
11.17	11.11	11.25	11338	551235	delta-BHC	0.020000	566905	-2.8	20.0		
11.28	11.22	11.36	12073	579497	Heptachlor	0.020000	603630	-4.2	20.0		
12.03	11.97	12.11	11250	542192	Aldrin	0.020000	562490	-3.7	20.0		
12.93			113								
13.36	13.29	13.43	10593	511912	Heptachlor Epoxide	0.020000	529635	-3.5	20.0		
13.78	13.71	13.85	10676	513150	gamma-Chlordane	0.020000	533795	-4.0	20.0		
14.10	14.04	14.18	9232	446248	alpha-Chlordane	0.020000	461593	-3.4	20.0		
14.21	14.15	14.29	9895	477982	Endosulfan I	0.020000	494725	-3.5	20.0		
14.50	14.43	14.57	19481	468602	4,4'-DDE	0.040000	487013	-3.9	20.0		
14.81	14.75	14.89	19316	461929	Dieldrin	0.040000	482889	-4.5	20.0		
15.47	15.40	15.54	17686	408649	Endrin	0.040000	442159	-8.2	20.0		
15.58			452								
15.74	15.67	15.81	13907	340626	4,4'-DDD	0.040000	347663	-2.1	20.0		
15.93	15.86	16.00	16843	404930	Endosulfan II	0.040000	421066	-4.0	20.0		
16.40	16.33	16.47	16134	405929	4,4'-DDT	0.040000	403362	0.6	20.0		
16.65	16.59	16.73	12978	316985	Endrin Aldehyde	0.040000	324459	-2.4	20.0		
16.91			116								
17.24	17.17	17.31	15081	366674	Endosulfan sulfate	0.040000	377025	-2.8	20.0		
17.86	17.79	17.93	36670	182916	Methoxychlor	0.200000	183348	-0.2	20.0		
18.14			228								
18.37	18.30	18.44	16892	419519	Endrin Ketone	0.040000	422306	-0.7	20.0		
20.97	20.90	21.04	16145	406698	Decachlorobiphenyl	0.040000	403618	0.8	20.0		

Data File: /chem/tracegc84.i/j100528v_2C.b/228jSEQ-PEM4.d

Date : 05-JUN-2010 05:51

Client ID: PEMKT

Sample Info: SEQ-PEM4

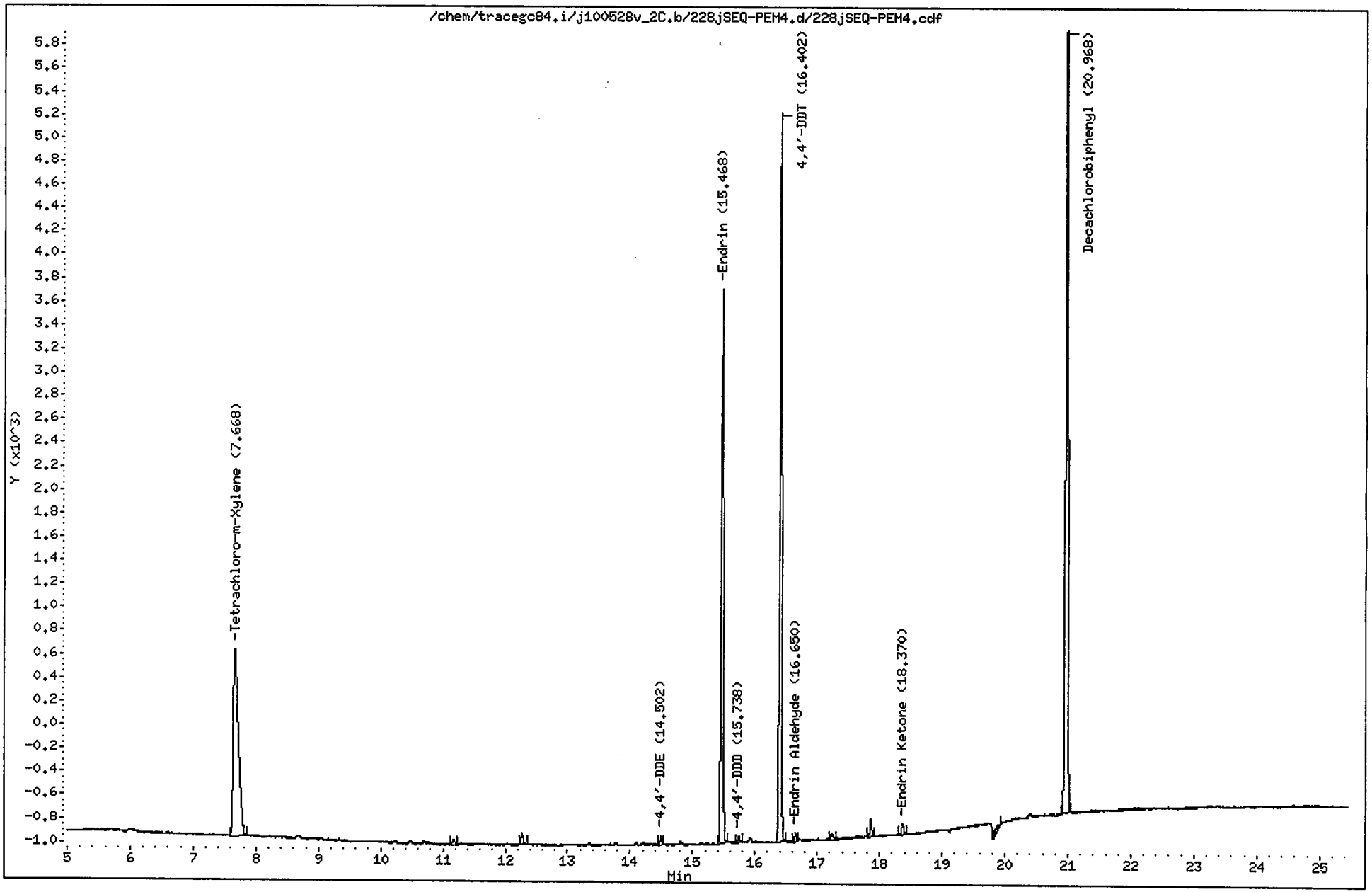
Volume Injected (uL): 1.0

Column phase: olpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM4 Client Smp Id : PEMKT
Sample Type : SAMPLE Sublist : PEM
Inj Date : 05-JUN-2010 05:51 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528v_2C.b/8081A_clpest2v6.m
Misc. Info : PEMKT

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.43			1979								
3.33			169								
7.67	7.61	7.75	9211	416798	Tetrachloro-m-Xylene	0.022099	0.022099		111.6	43 - 135	
11.17			139								
12.28			210								
14.50	14.43	14.57	146	468602	4,4'-DDE	0.000311	0.000311	0.020000			J
15.47	15.40	15.54	10544	408649	Endrin	0.025803	0.025803	0.020000			
15.74	15.67	15.81	122	340626	4,4'-DDD	0.000358	0.000358	0.020000			J
16.40	16.33	16.47	13126	405929	4,4'-DDT	0.032336	0.032336	0.020000			
16.65	16.59	16.73	156	316985	Endrin Aldehyde	0.000491	0.000491	0.020000			J
17.24			149								
17.86			319								
18.37	18.30	18.44	201	419519	Endrin Ketone	0.000480	0.000480	0.020000			J
19.93			187								
20.97	20.90	21.04	17225	406698	Decachlorobiphenyl	0.042353	0.042353		107.0	43 - 144	

Data File: /chem/tracegc84.i/j100528w.b/240jSEQ-CCV5.d

Page 1

Date : 05-JUN-2010 11:38

Client ID: INDC3KV

Instrument: tracegc84.i

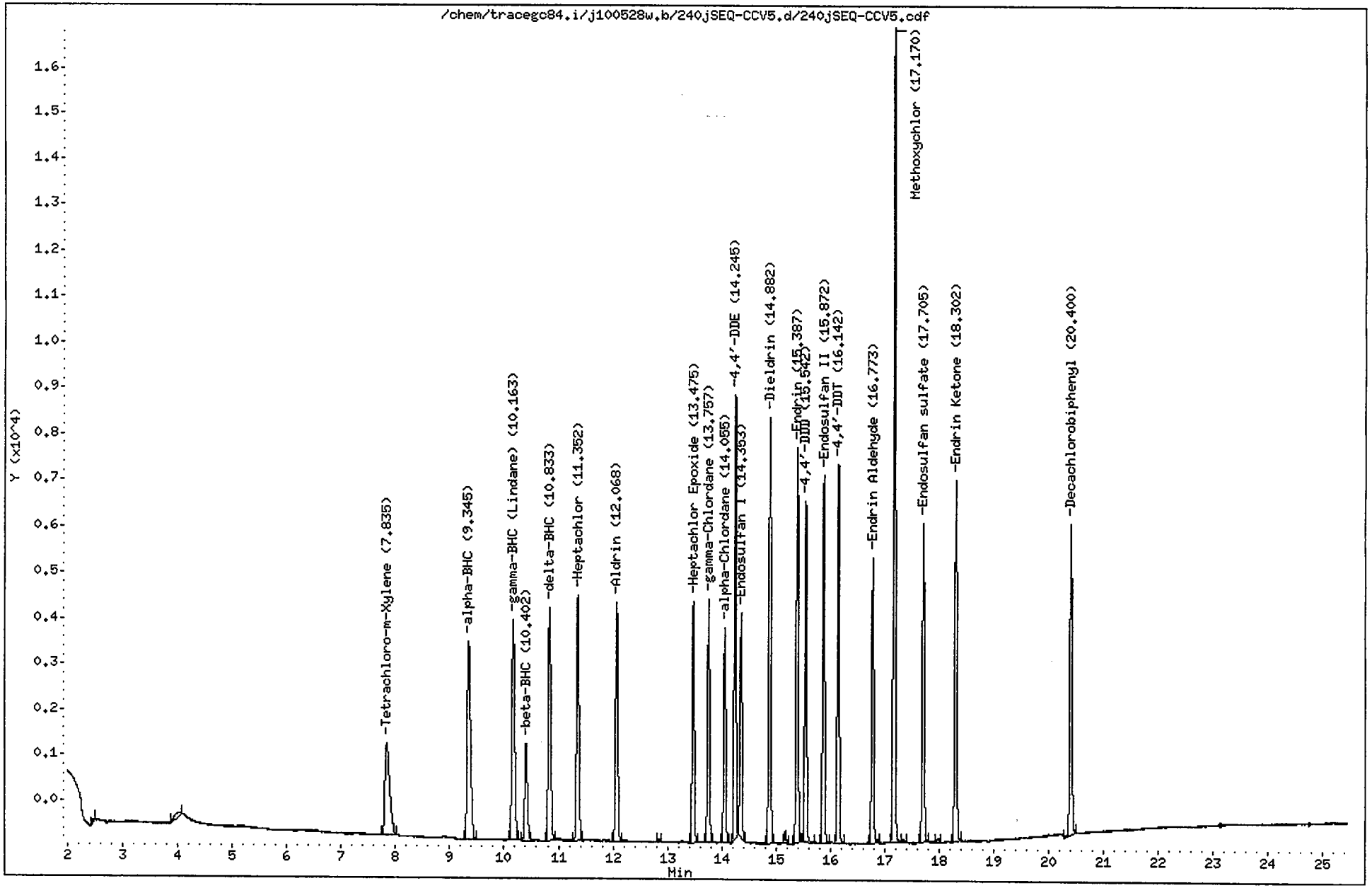
Sample Info: SEQ-CCV5

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

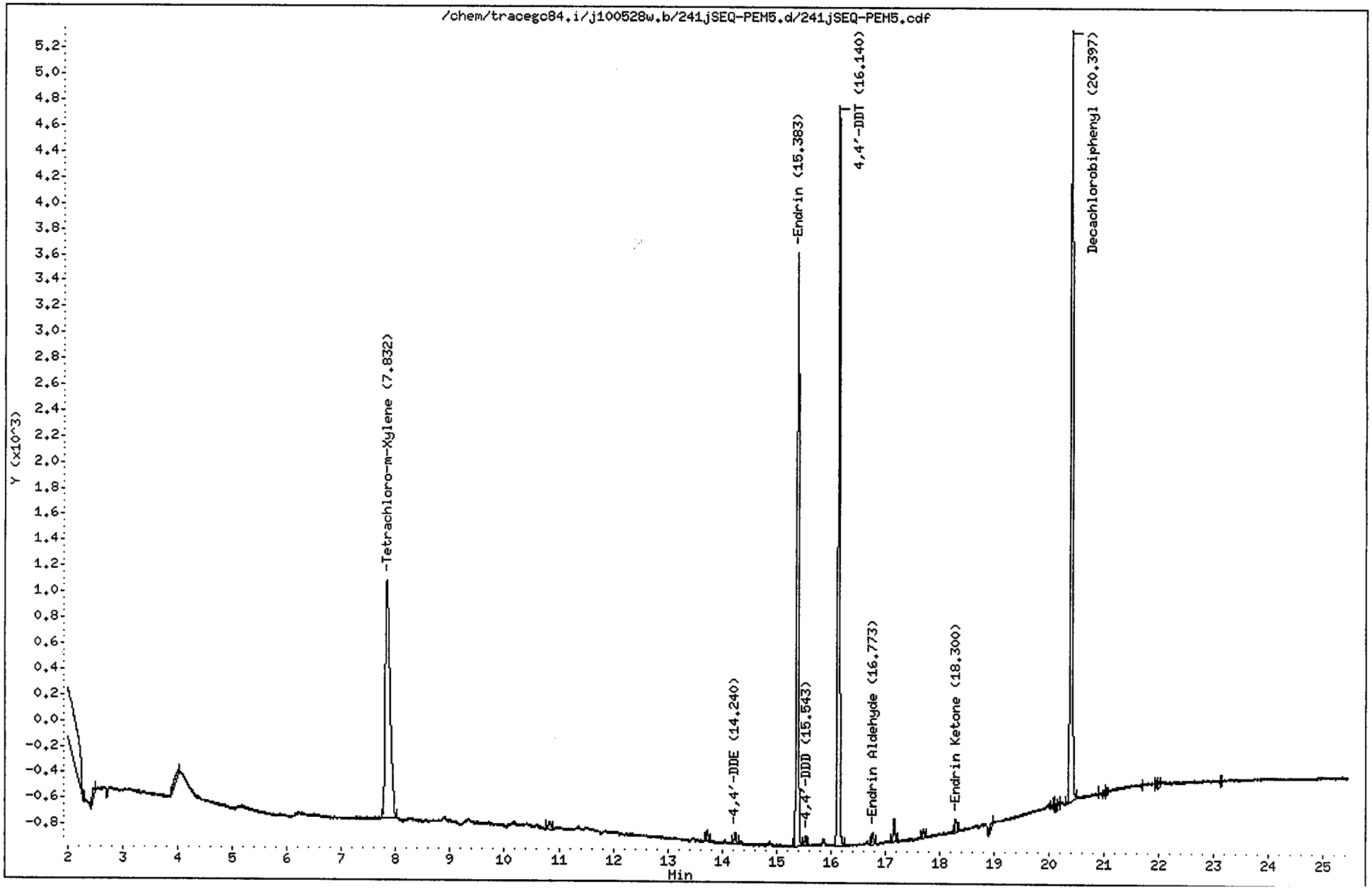
Lab Smp Id : SEQ-CCV5 Client Smp Id : INDC3KV
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 05-JUN-2010 11:38 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528w.b/8081A_clpestv6.m
Misc. Info : INDC3KV

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.35			158								
1.46			34358								
2.49			196								
4.02			723								
7.84	7.77	7.91	12246	522758	Tetrachloro-m-Xylene	0.020000	612320	-17.1	20.0		
9.34	9.29	9.43	18230	775960	alpha-BHC	0.020000	911510	-17.5	20.0		
10.16	10.11	10.25	17014	729192	gamma-BHC (Lindane)	0.020000	850695	-16.7	20.0		
10.40	10.34	10.48	7087	300532	beta-BHC	0.020000	354345	-17.9	20.0		
10.83	10.77	10.91	16251	689518	delta-BHC	0.020000	812570	-17.8	20.0		
11.35	11.29	11.43	16029	695465	Heptachlor	0.020000	801433	-15.2	20.0		
12.07	12.01	12.15	14764	636570	Aldrin	0.020000	738220	-16.0	20.0		
12.84			172								
13.48	13.42	13.56	13580	593700	Heptachlor Epoxide	0.020000	679000	-14.4	20.0		
13.76	13.70	13.84	13528	594875	gamma-Chlordane	0.020000	676413	-13.7	20.0		
14.06	14.00	14.14	11933	516712	alpha-Chlordane	0.020000	596630	-15.5	20.0		
14.24	14.19	14.33	23135	523741	4,4'-DDE	0.040000	578369	-10.4	20.0		
14.35	14.29	14.43	12339	548162	Endosulfan I	0.020000	616933	-12.5	20.0		
14.88	14.82	14.96	23583	515556	Dieldrin	0.040000	589581	-14.4	20.0		
15.17			638								
15.39	15.33	15.47	21706	463071	Endrin	0.040000	542651	-17.2	20.0		
15.54	15.48	15.62	17943	393458	4,4'-DDD	0.040000	448573	-14.0	20.0		
15.87	15.81	15.95	20475	450326	Endosulfan II	0.040000	511871	-13.7	20.0		
16.14	16.08	16.22	20292	454781	4,4'-DDT	0.040000	507302	-11.5	20.0		
16.77	16.71	16.85	16059	348470	Endrin Aldehyde	0.040000	401486	-15.2	20.0		
17.17	17.11	17.25	42824	194359	Methoxychlor	0.200000	214121	-10.2	20.0		
17.35			203								
17.70	17.65	17.79	17696	392055	Endosulfan sulfate	0.040000	442395	-12.8	20.0		
17.98			243								
18.30	18.24	18.38	20304	457258	Endrin Ketone	0.040000	507595	-11.0	20.0		
20.40	20.33	20.47	17715	408350	Decachlorobiphenyl	0.040000	442874	-8.5	20.0		

AHW
6/7/10

Data File: /chem/tracegc84.i/j100528w.b/241jSEQ-PEM5.d
Date : 05-JUN-2010 12:07
Client ID: PEMKV
Sample Info: SEQ-PEM5
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i
Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM5 Client Smp Id : PEMKV
Sample Type : SAMPLE Sublist : PEM
Inj Date : 05-JUN-2010 12:07 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528w.b/8081A_clpestv6.m
Misc. Info : PEMKV

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.35			413								
1.45			57664								
2.48			204								
4.00			331								
7.83	7.77	7.91	11221	522758	Tetrachloro-m-Xylene	0.021465	0.021465		108.4	43 - 135	
10.84			220								
13.72			220								
14.24	14.19	14.33	226	523741	4,4'-DDE	0.000432	0.000432	0.020000			J
15.38	15.33	15.47	11465	463071	Endrin	0.024758	0.024758	0.020000			
15.54	15.48	15.62	167	393458	4,4'-DDD	0.000425	0.000425	0.020000			J
16.14	16.08	16.22	13893	454781	4,4'-DDT	0.030548	0.030548	0.020000			
16.77	16.71	16.85	223	348470	Endrin Aldehyde	0.000641	0.000641	0.020000			J
17.16			435								
17.70			172								
18.30	18.24	18.38	281	457258	Endrin Ketone	0.000615	0.000615	0.020000			J
18.95			148								
20.14			121								
20.40	20.33	20.47	15396	408350	Decachlorobiphenyl	0.037704	0.037704		95.2	43 - 144	
21.96			147								

AHW
6/7/10

Data File: /chem/tracegc84.i/j100528w_2C.b/240jSEQ-CCV5.d

Page 1

Date : 05-JUN-2010 11:38

Client ID: INDC3KV

Instrument: tracegc84.i

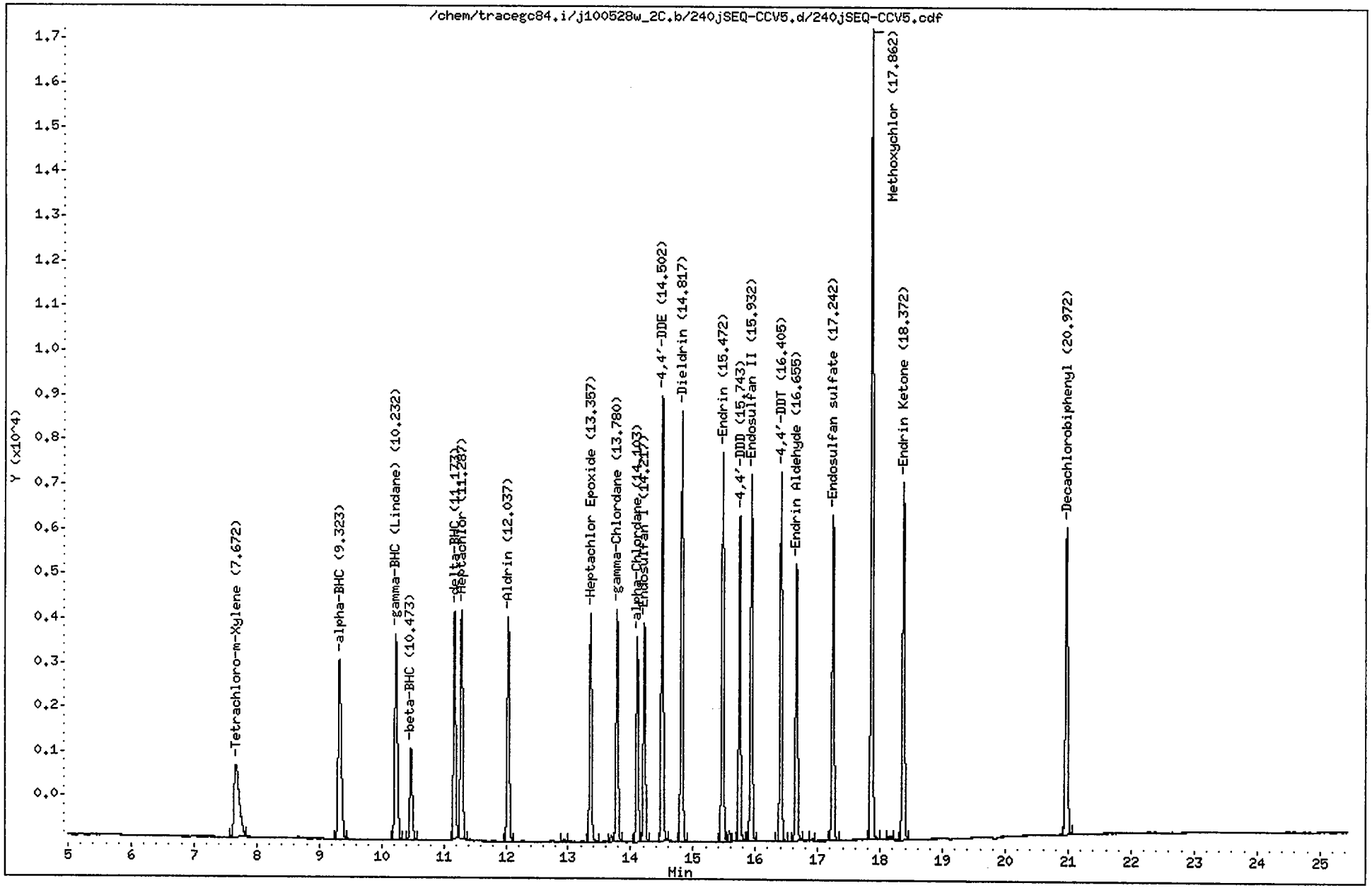
Sample Info: SEQ-CCV5

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV5 Client Smp Id : INDC3KV
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 05-JUN-2010 11:38 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528w_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3KV

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.45			8519								
3.38			372								
7.67	7.61	7.75	9366	416798	Tetrachloro-m-Xylene	0.020000	468293	-12.4	20.0		
9.32	9.26	9.40	14076	607758	alpha-BHC	0.020000	703775	-15.8	20.0		
10.23	10.17	10.31	13539	585542	gamma-BHC (Lindane)	0.020000	676930	-15.6	20.0		
10.47	10.41	10.55	5696	248610	beta-BHC	0.020000	284795	-14.6	20.0		
11.17	11.11	11.25	12531	551235	delta-BHC	0.020000	626547	-13.7	20.0		
11.29	11.22	11.36	13326	579497	Heptachlor	0.020000	666323	-15.0	20.0		
12.04	11.97	12.11	12460	542192	Aldrin	0.020000	622977	-14.9	20.0		
12.94			121								
13.36	13.29	13.43	11745	511912	Heptachlor Epoxide	0.020000	587245	-14.7	20.0		
13.69			281								
13.78	13.71	13.85	11717	513150	gamma-Chlordane	0.020000	585850	-14.2	20.0		
14.10	14.04	14.18	10195	446248	alpha-Chlordane	0.020000	509725	-14.2	20.0		
14.22	14.15	14.29	10927	477982	Endosulfan I	0.020000	546355	-14.3	20.0		
14.50	14.43	14.57	21393	468602	4,4'-DDE	0.040000	534831	-14.1	20.0		
14.82	14.75	14.89	21357	461929	Dieldrin	0.040000	533933	-15.6	20.0		
15.47	15.40	15.54	19480	408649	Endrin	0.040000	486995	-19.2	20.0		
15.58			504								
15.74	15.67	15.81	15401	340626	4,4'-DDD	0.040000	385028	-13.0	20.0		
15.93	15.86	16.00	18496	404930	Endosulfan II	0.040000	462412	-14.2	20.0		
16.40	16.33	16.47	17926	405929	4,4'-DDT	0.040000	448141	-10.4	20.0		
16.66	16.59	16.73	14372	316985	Endrin Aldehyde	0.040000	359296	-13.3	20.0		
16.91			116								
17.24	17.17	17.31	16608	366674	Endosulfan sulfate	0.040000	415190	-13.2	20.0		
17.86	17.79	17.93	40315	182916	Methoxychlor	0.200000	201575	-10.2	20.0		
18.14			269								
18.37	18.30	18.44	18745	419519	Endrin Ketone	0.040000	468622	-11.7	20.0		
20.97	20.90	21.04	17794	406698	Decachlorobiphenyl	0.040000	444855	-9.4	20.0		

AHW
6/7/10

Data File: /chem/tracegc84.i/j100528w_2C.b/241jSEQ-PEM5.d

Date : 05-JUN-2010 12:07

Client ID: PEMKV

Instrument: tracegc84.i

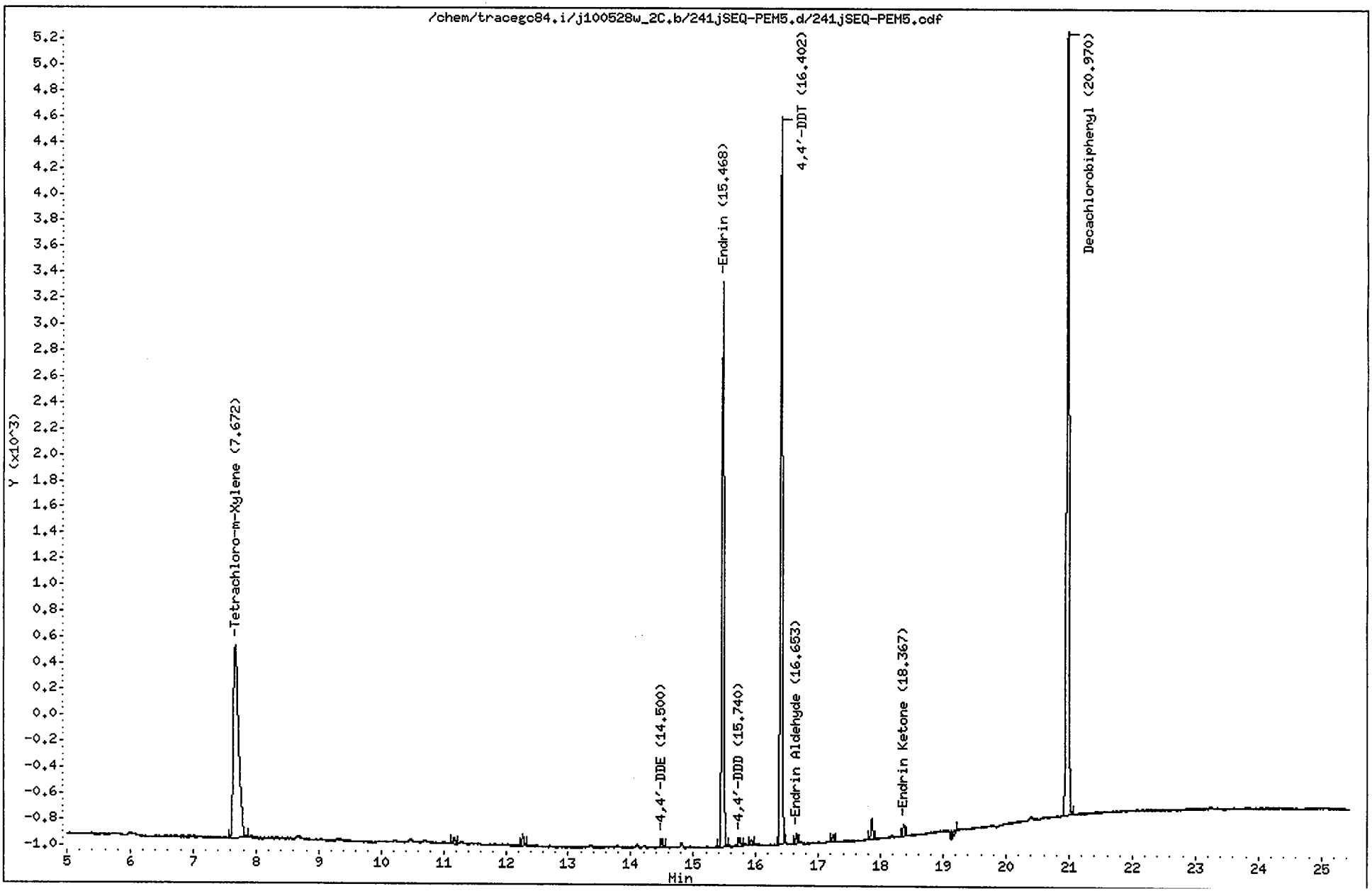
Sample Info: SEQ-PEM5

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM5 Client Smp Id : PEMKV
Sample Type : SAMPLE Sublist : PEM
Inj Date : 05-JUN-2010 12:07 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528w_2C.b/8081A_clpest2v6.m
Misc. Info : PEMKV

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.43			8496								
3.33			160								
7.67	7.61	7.75	8694	416798	Tetrachloro-m-Xylene	0.020859	0.020859		105.3	43 - 135	
11.17			147								
12.28			201								
14.50	14.43	14.57	142	468602	4,4'-DDE	0.000303	0.000303	0.020000			J
15.47	15.40	15.54	9734	408649	Endrin	0.023819	0.023819	0.020000			
15.74	15.67	15.81	128	340626	4,4'-DDD	0.000374	0.000374	0.020000			J
15.93			102								
16.40	16.33	16.47	11919	405929	4,4'-DDT	0.029363	0.029363	0.020000			
16.65	16.59	16.73	177	316985	Endrin Aldehyde	0.000557	0.000557	0.020000			J
17.24			120								
17.86			344								
18.37	18.30	18.44	218	419519	Endrin Ketone	0.000521	0.000521	0.020000			J
19.20			109								
20.97	20.90	21.04	15509	406698	Decachlorobiphenyl	0.038134	0.038134		96.3	43 - 144	

AHW
6/7/10

COMPUCHEM a Division of Liberty Analytical Corp Instrument ID 82/83 File Path: f100601 DATE 6/1/10

GC EXTRACTABLES RUN LOG Amt. Inj. 2 µL (1 µL per column)

LOGBOOK 4 M(4) 38 Method: 8081A 8081B 8082 8082A 8151A OLM04.3 OLC03.2 SOM01.2 (Circle one) or Other: _____

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1	✓	1		6/1/10	Hexane	〃	〃	WP	〃
2	✓	2		/ /	〃	〃	〃		
3		3	✓	/ /	OF01010 - PEM1	GE21002	PEMFA		
4		4	✓	/ /	-CAL1	GCL6001	INDCIFA		
5		5	✓	/ /	2	GCL6002	2		
6		6	✓	/ /	3	GE11005	3		
7		7	✓	/ /	4	GCL6004	4		
8		8	✓	/ /	5	GCL6005	5		
9		9	✓	/ /	-ARC1	GIL6008	3XAOHBFA		
10		10	✓	/ /	1 2	GC02001	CHLOROFA		
11		11	✓	/ /	-SCV1	GE25016	ABTCHKFA		
12				/ /					
13				/ /					
14				/ /					
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
20				/ /					

6/2/10

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Calibration ID: 066201 Sequence ID: OF01010 Hexane Lot No 71940

REVIEWED BY: TAJ DATE 6/2/10

COMPUCHEM a Division of Liberty Analytical Corp
GC EXTRACTABLES RUN LOG
LOGBOOK 4 M(4) 38

Instrument ID 82/83 File Path: f100601a DATE 6/1/10

Amt. Inj. 2 µL (1 µL per column)

Method: 8081A 8081B 8082 8082A 8151A OLM04.3 OLC03.2 SOM01.2 (Circle one) or Other: _____

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		12		6/1/10	SEQ-16L1	0E07001		CH	
2		13	✓	/ /	-CCB1	↓	P16WFCLFD		
3		14	✓	/ /	-CCV1	0E11005	1MCLSFD		
4		15	✓	/ /	-PEM1	0E21002	PEMFD		
5		16	✓	/ /	005191 9-BLK1	UUUU			
6		17	✓	/ /	-BS1				
7		18	✓	6/2/10	-BSD1				
8		19	✓	/ /	-MS1				
9		20	✓	/ /	-MS2				
10		21	✓	/ /	-MSD1				
11		22	✓	/ /	-MSD2				
12		23	✓	/ /	100S132-61	100S132			
13		24	✓	/ /	↓ 62	↓			
14		25	✓	/ /	SEQ-16L2	0E07001			
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
20				/ /					

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

KEH 6/3/10

Calibration ID: NA Sequence ID: ND Hexane Lot No 71940

REVIEWED BY: KEH DATE 6/3/10

7/02/09:jr

591

COMPUCHEM a Division of Liberty Analytical Corp Instrument ID 82/83 File Path: f100601b DATE 6/2/10

GC EXTRACTABLES RUN LOG Amt. Inj. 2 µL (1 µL per column)

LOGBOOK 4 M(4) 38 Method: 8081A ~~8081B~~ 8082 8082A 8151A OLM04.3 OLC03.2 SOM01.2 (Circle one) or Other: _____

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		26	–	6/2/10	SEQ-CC02	0607001	PAHCFEFC	Q	
2		27	/	/ /	-CC02	0611005	1MDL3FC		
3		28	–	/ /	-EM2	0621002	PSMPFC		
4		29	/	/ /	100732-03	100732			
5		30	–	/ /	04				
6		31	/	/ /	05				
7		32	/	/ /	06				
8		33	–	/ /	07				
9		34	/	/ /	08				
10		35	/	/ /	09				
11		36	/	/ /	10				
12		37	/	/ /	11				
13		38	/	/ /	SEQ-1603	0607001			
14		~~36~~ duplicate	/	/ /					
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
20				/ /					

KEH 6/3/10

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Calibration ID: NA Sequence ID: NA Hexane Lot No 71940

REVIEWED BY: KEH DATE 6/3/10

7/02/09:jr

592

COMPUCHEM a Division of Liberty Analytical Corp Instrument ID 82/83 File Path: f 100601c DATE 6/2/10

GC EXTRACTABLES RUN LOG Amt. Inj. 2 µL (1 µL per column)

LOGBOOK 4 M(4) 38 Method: 8081A 8081B 8082 8082A 8151A OLM04.3 OLC03.2 SOM01.2 (Circle one) or Other: _____

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		39	✓	6/2/10	SEQ-CCV3	DE07001	PIBHCFGPH	WD	
2		40	✓	/ /	-CCV3	DE11005	INDLYPH		
3		41	✓	/ /	-PEM3	DE21002	PEMPH		
4		42	✓	/ /	100132-12	100132			
5		43	✓	/ /	13				
6		44	✓	/ /	14				
7		45	✓	/ /	100133-01	100133			
8		46	✓	/ /	100134-01 DE	100134			
9		47	✓	/ /	02				
10		48	✓	/ /	03				
11		49	✓	/ /	04				
12		50	✓	/ /	05				
13		51	✓	/ /	SEQ-1614	DE07001			
14				/ /					
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
20				/ /					

KEH 6/3/10

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Calibration ID: NA Sequence ID: NA Hexane Lot No 71940

REVIEWED BY: KEH DATE 6/3/10

7/02/09:jr

COMPUCHEM a Division of Liberty Analytical Corp
GC EXTRACTABLES RUN LOG
LOGBOOK 4 M(4) 39

Instrument ID: 82 File Path: f100601d DATE 6/2/10

Amt. Inj. 2 µL (1 µL per column)

Method: (8081B) 8082A 8151A SOM01.2 ARO SOM01.2 Pest (Circle one) or Other: _____

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		52	✓	6/2/10	SEQ - CCB4	0E07001	PIBUKFIF)	LD	
2		53	✓	/ /	- CCV4	0E11005	IMDL3F)		
3		54	✓	/ /	- PEM4	0E21002	PEMF)		
4		55	✓	/ /	0005405 - BLK1	10J1732			
5		56	✓	/ /	- LCS1				
6		57	✓	/ /	- MSD1				
7		58	✓	/ /	1005192 - 15				
8		59	✓	/ /	16				
9		60	✓	/ /	17				
10		61	✓	/ /	18				
11		62	✓	/ /	19				
12		63	✓	/ /	20				
13		64	✓	/ /	SEQ - BLK1	0E07001			
14				/ /					
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
~~20~~				/ /					

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

KeH 6/3/10

Calibration ID: NA Sequence ID: NA Hexane Lot No 71940

REVIEWED BY: KeH DATE 6/3/10

4/16/10:jad

COMPUCHEM a Division of Liberty Analytical Corp Instrument ID 84/85 Sequence ID: 100528 Date 5/28/10

GC EXTRACTABLES RUN LOG Amt.Inj. 2 µL (1 µL per column)

LOGBOOK 4 N (4) 38 Method: 8081A 8081B 8082 8082A 8151A SOM01.2 or Other: _____

594

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		1	✓	5/28/10	Hexane	STD	NA	AHW	NA
2		2	✓	/ /	Hexane	↓			↓
3		3	✓	/ /	0E27012 - PEM1	6E21002			PEMHA
4		4	✓	/ /	CAL1	0C26001			INDC1 HA
5		5	✓	/ /	2	0C26002			2
6		6	✓	/ /	3	0E11005			3
7		7	✓	/ /	4	0C26004			4
8		8	✓	/ /	5	0C26005			5
9		9	✓	/ /	ARC1	0016008			TOXAPH3HA
10		10	✓	/ /	2	0C02004			CHLOR03HA
11		11	✓	/ /	CAL6 ~~CAL5~~ AHW 6/1/10	0824009			AR16601HA
12		12	✓	/ /	CAL7	0824010			2
13		13	✓	/ /	8	0E14002			3
14		14	✓	/ /	9	0824013			4
15		15	✓	AHW 6/1/10 / /	A	0824014			5
16		16	✓	5~~5~~/29/10	ARC3	0E20004			AR12213HA
17		17	✓	/ /	4	0E18016			1232
18		18	✓	/ /	5	0E20010			1242
19		19	✓	/ /	6	0E17012			1248
20		20	✓	/ /	7	0C17011			1254

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Calibration ID: NA - 6/1/10 Sequence ID: 0E27012 Hexane Lot No 71940

REVIEWED BY: _____ DATE 6/1/10

03/17/10: jad

COMPUCHEM a Division of Liberty Analytical Corp Instrument ID 84/85 Sequence ID: 100528 Date 5/29/10

GC EXTRACTABLES RUN LOG Amt.Inj. 2 µL (1 µL per column)

LOGBOOK 4 N (4) 38 Method: ~~8081A~~ 8081B 8082 8082A 8151A SOM01.2 or Other: _____

595

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		21	✓	5/29/10	0E27012-ICV1	0E25016	NA	AHW	PESTCHKHA
2		22	✓	↓ /	↓ ICV2	0B01002	↓	↓	PCBCHKHA
3				/ /					
4				/ /					
5				/ /					
6				/ /					
7				/ /					
8				/ /					
9				/ /					
10				/ /					
11				/ /					
12				/ /					
13				/ /					
14				/ /					
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
20				/ /					

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Calibration ID: _____ Sequence ID: 0E27012 Hexane Lot No 71940

REVIEWED BY: _____ DATE 6/1/10

03/17/10: jad

COMPUCHEM a Division of Liberty Analytical Corp Instrument ID 84/85 Sequence ID: 100528a Date 6/4/10

GC EXTRACTABLES RUN LOG Amt.Inj. 2 µL (1 µL per column)

LOGBOOK 4 N (4) 38 Method: 8081A 8081B 8082 8082A 8151A SOM01.2 or Other: _____

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		212	✓	6/4/10	SEQ-CC03	GE07001	PIBULKMKR	LO	
2		213	✓	/ /	-CC03	GE11005	LINDLYKR		
3		214	✓	/ /	-PEM3	GE14002	DDMKR		
4		215	✓	/ /	100525 10-BL1	100531			
5		216	✓	6/5/10	-BS1				
6		217	✓	/ /	-MS1				
7		218	✓	/ /	-MSD1				
8		219	✓	/ /	100531-06				
9		220	✓	/ /	07				
10		221	✓	/ /	08				
11		222	✓	/ /	09				
12		223	✓	/ /	10				
13		224	✓	/ /	11				
14		225	✓	/ /	SEQ-CC04	GE07007			
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
20				/ /					

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

KeH 6/7/10

Calibration ID: NA Sequence ID: NA Hexane Lot No 71940

REVIEWED BY: KeH DATE 6/7/10

03/17/10: jad

COMPUCHEM a Division of Liberty Analytical Corp Instrument ID 84/85 Sequence ID: 100528V Date 6/5/10

GC EXTRACTABLES RUN LOG Amt.Inj. 2 µL (1 µL per column)

LOGBOOK 4 N (4) 38 Method: 8081A ~~8081B~~ 8082 8082A 8151A SOM01.2 or Other: _____

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		226	✓	6/5/10	SEQ-CC64	0F07001	PIBLKSKT	KD	
2		227	✓	/ /	-CC44	0E11005	1-MDLSKT		
3		228	✓	/ /	-PEM4	0F21002	PEMKT		
3		229	✓	/ /	100534-12	100534			
5		230	✓	/ /	13				
6		231	✓	/ /	14				
7		232	✓	/ /	15				
8		233	✓	/ /	16				
9		234	✓	/ /	17				
10		235	✓	/ /	18				
11		236	✓	/ /	19				
12		237	✓	/ /	20				
13		238	✓	/ /	SEQ-1605	SF 0F07001			
14				/ /	6/7/10				
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
20				/ /					

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

KD 6/7/10

Calibration ID: NA Sequence ID: NA Hexane Lot No 71910

REVIEWED BY: KD DATE 6/7/10

03/17/10: jad

COMPUCHEM a Division of Liberty Analytical Corp Instrument ID: 84 Sequence ID: j 10ul28w Date 6/5/10

GC EXTRACTABLES RUN LOG Amt.Inj. 2 µL (1 µL per column)

LOGBOOK 4 N (4) 39

Method: ~~8081A~~ 8081B ~~8082~~ 8082A 8151A SOM01.2 ARO SOM01.2 Pest SOM01.2 or Other: _____

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		239	✓	6/5/10	SEQ-CCB5	0E07001	PIBLK KUKU	LO	
2		240	✓	/ /	-CCV5	0E11005	10MB3KU		
3		241	✓	/ /	-PBMS	0E21002	PBMKU		
4		242		/ /	005272I-BLK1	10ul200			
5		243		/ /	-BS1				
6		244		/ /	-MS1				
7		245		/ /	-MSD1				
8		246		/ /	10ul200-01				
9		247		/ /	02				
10		248		/ /	03				
11		249		/ /	04				
12		250		/ /	05				
13		251		/ /	06				
14		252		/ /	SEQ-1616	0E07001			
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
20				/ /					

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

KH 6/7/10

Calibration ID: NA Sequence ID: NA Hexane Lot No 71940

REVIEWED BY: KH DATE 6/7/10

05/20/10: jad

4. Raw QC Data

    a. Blank Data

    b. Laboratory Control Sample Data

    c. Matrix Spike Data

    d. Matrix Spike Duplicate Data

a. Blank Data

Arranged by type of blank

i) Method blanks shall be in chronological order, by extraction date.
ii) Instrument blanks shall be in chronological order, by GC column and instrument.
iii) Sulfur cleanup blanks (if needed) shall be in chronological order, by date of analysis.

- Tabulated Results (Form I)
- Chromatograms and date system printout(s) for each GC column and instrument used for analysis.

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKBO

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 0051919-BLK1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/20/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/01/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.7	U
319-85-7	beta-BHC	1.7	U
319-84-6	alpha-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
72-54-8	4,4'-DDD	3.3	U
72-55-9	4,4'-DDE	3.3	U
50-29-3	4,4'-DDT	3.3	U
60-57-1	Dieldrin	3.3	U
959-98-8	Endosulfan I	1.7	U
33213-65-9	Endosulfan II	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
72-20-8	Endrin	3.3	U
7421-93-4	Endrin Aldehyde	3.3	U
76-44-8	Heptachlor	1.7	U
1024-57-3	Heptachlor Epoxide	1.7	U
72-43-5	Methoxychlor	17	U
8001-35-2	Toxaphene	83	U
53494-70-5	Endrin Ketone	3.3	U
5103-74-2	gamma-Chlordane	1.7	U
5103-71-9	alpha-Chlordane	1.7	U

Data File: /chem/tracegc82.i/f100601a.b/016f0051919-BLK1.d

Date : 01-JUN-2010 23:05

Client ID: PBLKBO

Instrument: tracegc82.i

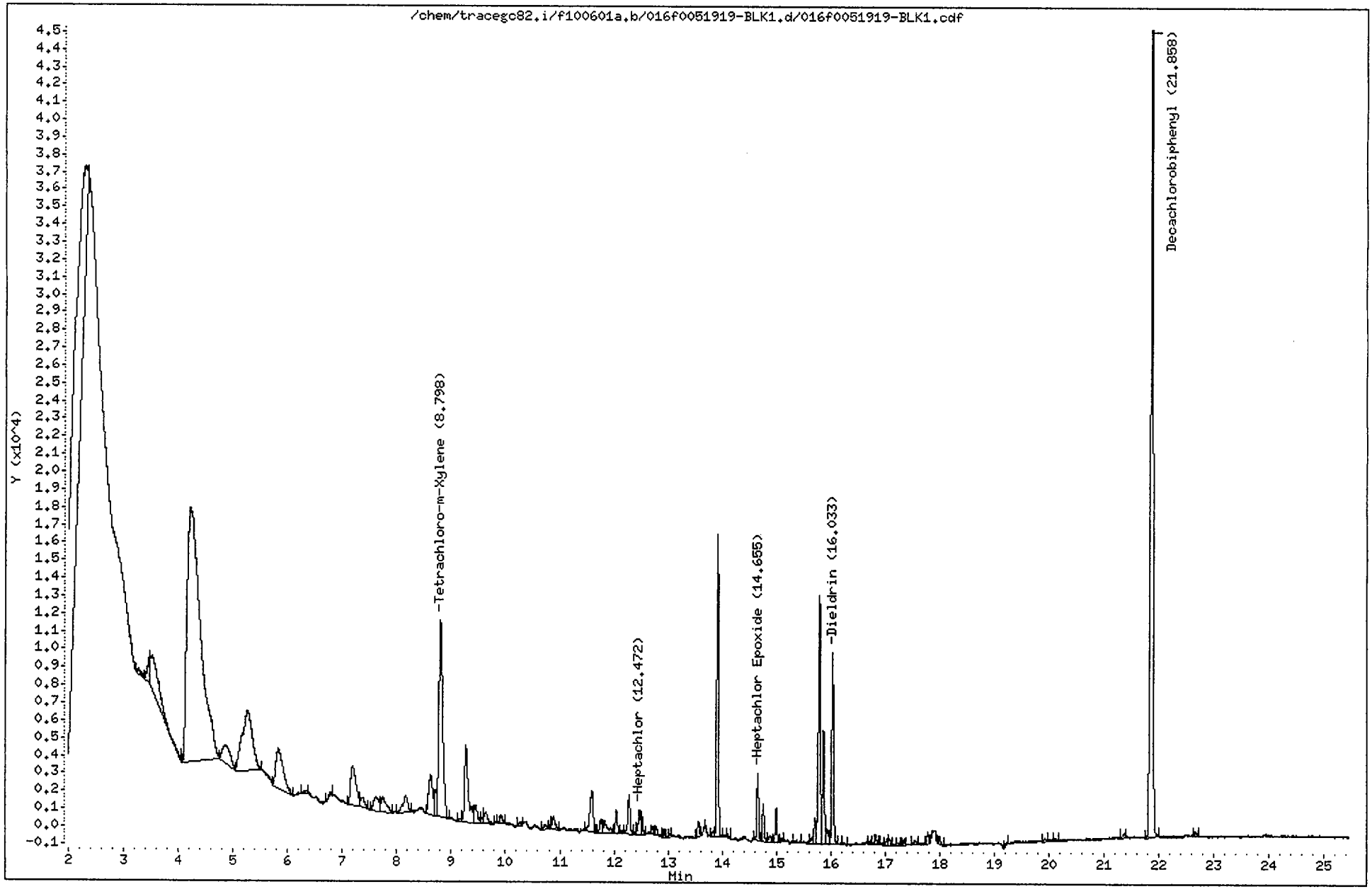
Sample Info: 0051919-BLK1

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



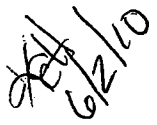
CompuChem

Lab Smp Id : 0051919-BLK1 Client Smp Id : PBLKBO
Sample Type : BLANK Sublist : DODPEST
Inj Date : 01-JUN-2010 23:05 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601a.b/8081A_clpestv6.m
Misc. Info : PBLKBO

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
0.04			329								
1.48			19666								
2.29			121857								
3.27			1572								
3.46			3236								
3.52			25018								
4.21			246413								
4.86			10407								
5.25			44890								
5.82			21048								
6.32			621								
6.77			936								
7.19			15557								
7.36			2821								
7.62			5578								
7.74			5451								
8.16			6281								
8.62			11451								
8.72			4275								
8.80	8.73	8.87	54569	1587700	Tetrachloro-m-Xylene	0.034370	5.728309		57.3*	70 - 125	R
9.18			574								
9.27			20563								
9.45			4445.								
9.59			1161								
9.63			2959								
9.91			1510								
10.27			620								
10.73			964								
10.84			463								
10.88			2658								
11.60			10039								
11.76			2193								
11.82			3761								
12.04			3536								
12.14			385								
12.28			6672								
12.41			541								



CompuChem

Lab Smp Id : 0051919-BLK1 Client Smp Id : PBLKBO
Sample Type : BLANK Sublist : DODPEST
Inj Date : 01-JUN-2010 23:05 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601a.b/8081A_clpestv6.m
Misc. Info : PBLKBO

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.47	12.38 12.52	3939	2589888	Heptachlor	0.001521	0.253486	1.700000			J
12.51		2521								
12.72		1067								
12.79		1239								
12.94		1161								
13.04		336								
13.56		2328								
13.67		392								
13.83		728								
13.91		38642								
14.10		512								
14.66	14.56 14.70	8581	2235460	Heptachlor Epoxide	0.003838	0.639689	1.700000			J
14.76		4983								
14.88		1175								
14.99		4246								
15.09		526								
15.36		474								
15.65		872								
15.71		3323								
15.79		35753								
15.87		16167								
15.93		2698								
16.03	15.99 16.13	25750	2037205	Dieldrin	0.012639	2.106563	3.300000			J
16.24		292								
16.72		421								
16.81		1362								
16.94		370								
17.03		903								
17.08		924								
17.23		364								
17.34		755								
17.55		951								
17.78		1427								
17.99		942								
19.24		523								
19.93		369								
20.11		471								

CompuChem

Lab Smp Id : 0051919-BLK1 Client Smp Id : PBLKBO
Sample Type : BLANK Sublist : DODPEST
Inj Date : 01-JUN-2010 23:05 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601a.b/8081A_clpestv6.m
Misc. Info : PBLKBO

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
21.37		653								
21.86	21.79 21.93	147296	1622138	Decachlorobiphenyl	0.090803	15.13383		75.7	55 - 130	
22.66		911								

Data File: /chem/tracegc82.i/f100601a_2C.b/016f0051919-BLK1.d

Date : 01-JUN-2010 23:05

Client ID: PBLKBO

Instrument: tracegc82.i

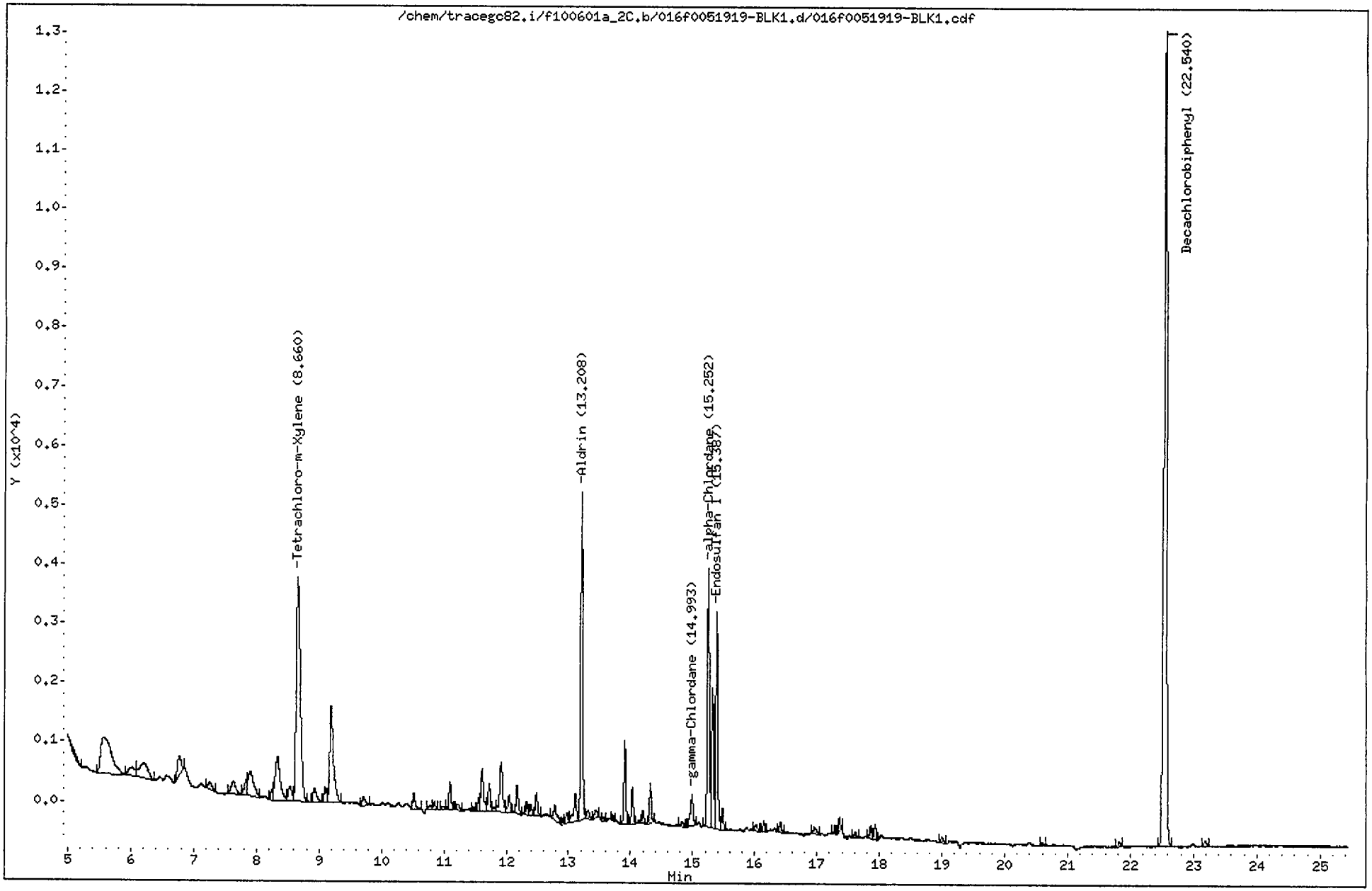
Sample Info: 0051919-BLK1

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0051919-BLK1 Client Smp Id : PBLKBO
Sample Type : BLANK Sublist : DODPEST
Inj Date : 01-JUN-2010 23:05 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601a_2C.b/8081A_clpest2v6.m
Misc. Info : PBLKBO

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
0.05			145								
1.35			324								
1.52			7970								
2.07			16383								
3.15			7648								
3.52			66278								
4.85			8147								
5.57			7317								
6.01			1017								
6.21			2504								
6.77			1433								
7.26			551								
7.63			1052								
7.84			821								
7.90			2574								
8.25			368								
8.34			4294								
8.53			1008								
8.66	8.59	8.73	17423	548876	Tetrachloro-m-Xylene	0.031741	5.290205		52.9*	70 - 125	R
8.93			974								
9.10			753								
9.19			6799								
9.71			579								
10.52			852								
10.78			175								
10.85			302								
11.00			182								
11.10			1196								
11.23			355								
11.47			169								
11.56			517								
11.62			2215								
11.73			1179								
11.80			227								
11.92			2921								
12.05			777								
12.18			1224								

CompuChem

Lab Smp Id : 0051919-BLK1 Client Smp Id : PBLKBO
Sample Type : BLANK Sublist : DODPEST
Inj Date : 01-JUN-2010 23:05 Inst ID :
Operator : BWL
Method : /chem/tracegc82.i/f100601a_2C.b/8081A_clpest2v6.m
Misc. Info : PBLKBO

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.33		485								
12.39		410								
12.48		964								
12.78		1048								
12.91		142								
12.97		443								
13.11		1599								
13.21	13.10 13.24	12488	726628	Aldrin	0.017186	2.864375	1.700000			
13.31		436								
13.45		410								
13.56		133								
13.72		145								
13.91		2962								
14.03		1373								
14.20		488								
14.32		1468								
14.83		236								
14.99	14.88 15.02	1665	690205	gamma-Chlordane	0.002411	0.401813	1.700000			J
15.25	15.21 15.35	9960	595455	alpha-Chlordane	0.016727	2.787784	1.700000			
15.32		5552								
15.39	15.33 15.47	8486	638725	Endosulfan I	0.013286	2.214307	1.700000			
15.48		781								
16.03		314								
16.15		408								
16.41		374								
16.96		369								
17.29		277								
17.36		446								
17.62		234								
17.86		471								
17.93		560								
19.00		295								
20.60		124								
21.83		223								
22.54	22.47 22.61	44517	497254	Decachlorobiphenyl	0.089526	14.92093		74.6	55 - 130	
23.18		279								

CompuChem

ASSIGNED TO T. Williams | EXTRACTION WORKSHEET | DATE/TIME EXTRACTED: 5-20-10 @1110

PEST/PCB IN S/S/S BY METHOD 3550B/C for 8081/8082

EMPLOYEE ID # 1289 | 83 | 5-24-2 | BATCH NO.: 0051919

	COMPUCHEM SAMPLE NUMBER	CLIENT SAMPLE ID	QC SAMPLE TYPE	SAMPLE WEIGHT (g)	FINAL VOLUME (ml)	COMMENTS
1	0051919-BLK1	PBLKBO	MB	30.0	5.0	*** Samples need to be GPC'd ***
2	0051919-BS1	PBOLCS	LCS	30.0		
3	0051919-BSD1	PBOLCSD	LCSD	30.0		
4	0051919-MS1	SB85-1.5-2.5MS	MS1	30.0		ML 5-24-10
5	0051919-MS2	SS73-0-1MS	MS2	30.0		
6	0051919-MSD1	SB85-1.5-2.5MSD	MSD1	30.0		
7	0051919-MSD2	SS73-0-1MSD	MSD2	30.0		
8	1005132-01	SB85-1.5-2.5	SAMPLE	30.0		QC1
9	1005132-02	SB78-3.5-4.5	SAMPLE	30.0		GPC (3640A) PERFORMED? (Y) N
10	1005132-03	SS77-0-1	SAMPLE	30.0		FLORISIL PERFORMED? Y (N)
11	1005132-04	SB77-3.5-4.5	SAMPLE	30.0		
12	1005132-05	SS79-0-1	SAMPLE	30.0		
13	1005132-06	SB79-11-12	SAMPLE	30.0		
14	1005132-07	SS83-0-1	SAMPLE	30.0		ML 5-24-10
15	1005132-08	SB83-6.5-7.5	SAMPLE	30.0		
16	1005132-09	SS62-0-1	SAMPLE	30.0		
17	1005132-10	SS74-0-1	SAMPLE	30.0		
18	1005132-11	SS86-0-1	SAMPLE	30.0		
19	1005132-12	SB86-3-4	SAMPLE	30.0		
20	1005132-13	SS84-0-1	SAMPLE	30.0		
21	1005132-14	SB84-6-7	SAMPLE	30.0		
22	1005133-01	SS73-0-1	SAMPLE	30.0		QC2
23	1005134-01	SS02-0-1	SAMPLE	30.0		ML 5-24-10
24	1005134-02	SS02D-0-1	SAMPLE	30.0		
25	1005134-03	SB02-5-6	SAMPLE	30.0		GPC Run Date: 5-21-10
26	1005134-04	SB02D-5-6	SAMPLE	30.0		GPC # 6
27	1005134-05	SB05-7-8	SAMPLE	30.0	5.0	GPC Calib Date: 5-17-10

		SPIKE AMOUNT	LOT #	SURROGATE AND SPIKE ADDED BY:
	SURROGATE	449	0.5 ml	OE07009	TMW 5-20-10
	SPIKE	4030	1.0 ml	OE19001	INITIALS DATE

FINAL VOLUME VERIFIED: MLH

REVIEWED BY: B. Patton

Witness SB, 5-20-10 (Initials, Date)

Analysts initials. Extract TMW KD BP N2 BP Bottle up ML, VG

Balance: SARTORIUS-BL310

Manufacturers and lot numbers of reagents/solvents used 50/50 CH_2Cl_2/CH_3COCH_3-2XXB-649-3, Na_2SO_4-2XXB-649-2, $C_{16}H_{14}$-73003

4/1/10:jad

609

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKCN

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 0052510-BLK1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/04/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.7	U
319-85-7	beta-BHC	1.7	U
319-84-6	alpha-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
72-54-8	4,4'-DDD	3.3	U
72-55-9	4,4'-DDE	3.3	U
50-29-3	4,4'-DDT	3.3	U
60-57-1	Dieldrin	3.3	U
959-98-8	Endosulfan I	1.7	U
33213-65-9	Endosulfan II	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
72-20-8	Endrin	3.3	U
7421-93-4	Endrin Aldehyde	3.3	U
76-44-8	Heptachlor	1.7	U
1024-57-3	Heptachlor Epoxide	1.7	U
72-43-5	Methoxychlor	17	U
8001-35-2	Toxaphene	83	U
53494-70-5	Endrin Ketone	3.3	U
5103-74-2	gamma-Chlordane	1.7	U
5103-71-9	alpha-Chlordane	1.7	U

Data File: /chem/tracegc84.i/j100528u.b/215j0052510-BLK1.d

Date : 04-JUN-2010 23:35

Client ID: PBLKCN

Instrument: tracegc84.i

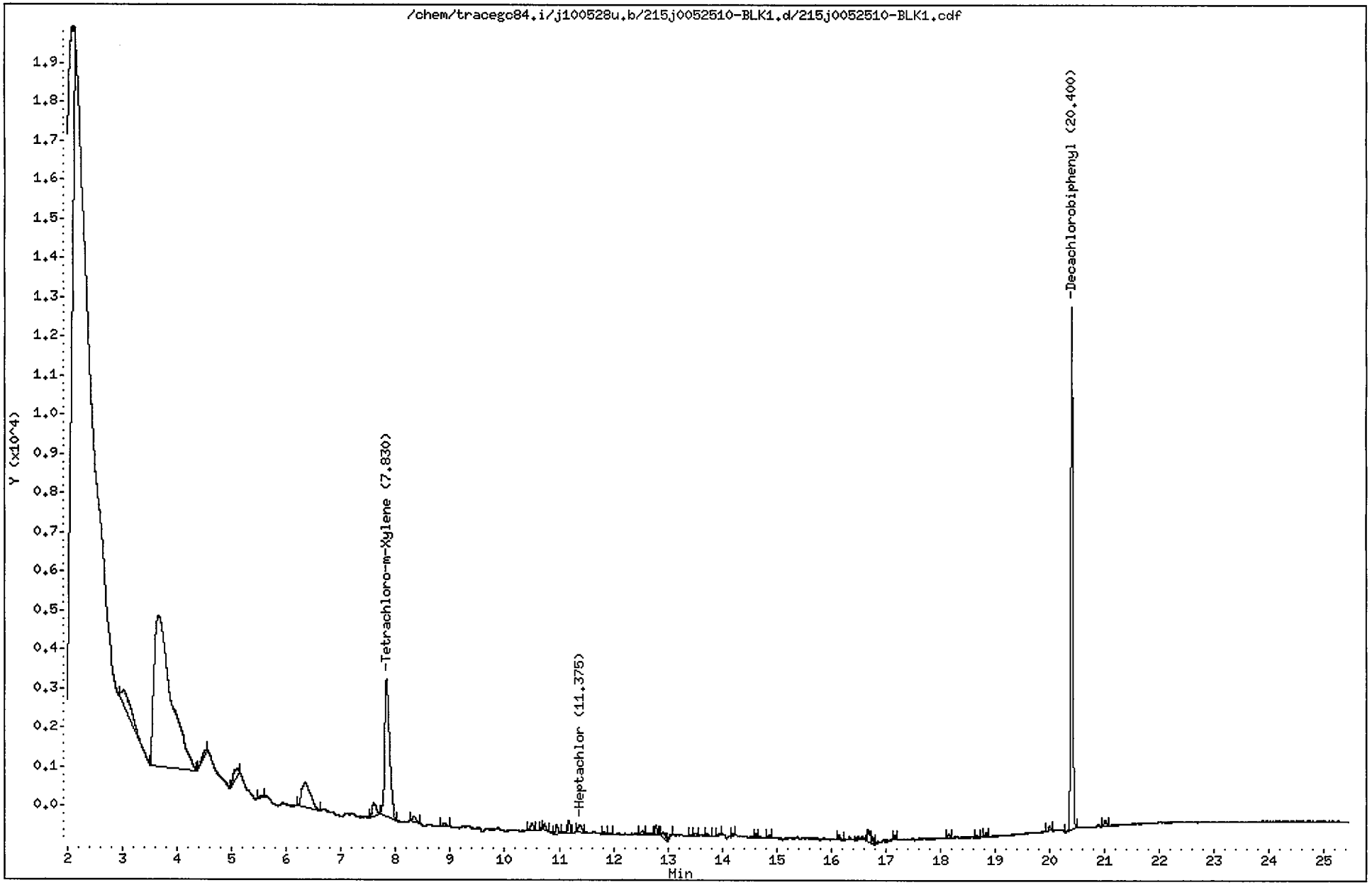
Sample Info: 0052510-BLK1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0052510-BLK1 Client Smp Id : PBLKCN
Sample Type : BLANK Sublist : DODPEST
Inj Date : 04-JUN-2010 23:35 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528u.b/8081A_clpestv6.m
Misc. Info : PBLKCN

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.48			11999								
2.08			46749								
3.02			6136								
3.67			82691								
4.52			488								
5.08			1567								
5.52			199								
6.34			7094								
7.60			1722								
7.83	7.77	7.91	22039	522758	Tetrachloro-m-Xylene	0.042157	7.026202		70.3	70 - 125	
8.34			662								
8.89			333								
10.50			807								
10.67			140								
10.73			409								
10.95			710								
11.18			949								
11.38	11.29	11.43	857	695465	Heptachlor	0.001231	0.205139	1.700000			J
11.83			200								
11.93			178								
12.53			276								
12.78			623								
12.90			606								
13.07			289								
13.43			138								
13.51			306								
13.73			211								
13.93			170								
14.20			180								
14.62			185								
14.86			186								
16.14			354								
16.66			1010								
16.77			357								
17.16			245								
18.15			232								
18.66			196								

CompuChem

Lab Smp Id : 0052510-BLK1 Client Smp Id : PBLKCN
Sample Type : BLANK Sublist : DODPEST
Inj Date : 04-JUN-2010 23:35 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528u.b/8081A_clpestv6.m
Misc. Info : PBLKCN

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
18.84		301								
20.00		302								
20.40	20.33 20.47	34743	408350	Decachlorobiphenyl	0.085081	14.18024		70.9	55 - 130	
21.01		436								

Data File: /chem/tracegc84.i/j100528u_2C.b/215j0052510-BLK1.d

Date : 04-JUN-2010 23:35

Client ID: PBLKCN

Instrument: tracegc84.i

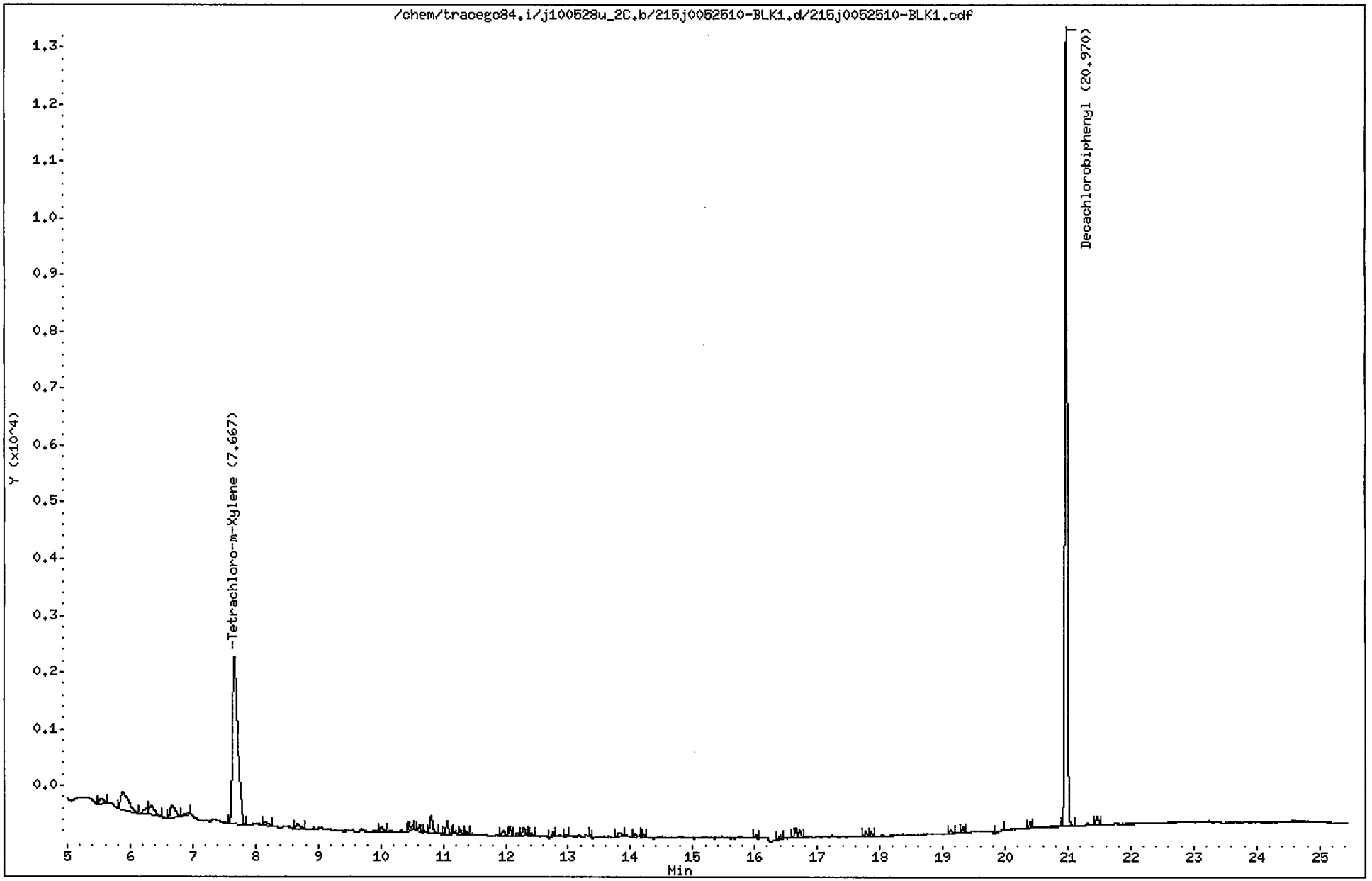
Sample Info: 0052510-BLK1

Volume Injected (uL): 1.0

Operator: System

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0052510-BLK1 Client Smp Id : PBLKCN
Sample Type : BLANK Sublist : DODPEST
Inj Date : 04-JUN-2010 23:35 Inst ID : TRACEGC84
Operator : System
Method : /chem/tracegc84.i/j100528u_2C.b/8081A_clpest2v6.m
Misc. Info : PBLKCN

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.91			42961								
3.03			50609								
4.16			697								
4.79			161								
5.56			444								
5.88			2817								
6.24			466								
6.34			1114								
6.67			1288								
6.93			185								
7.67	7.61	7.75	17246	416798	Tetrachloro-m-Xylene	0.041377	6.896155		69.0*	70 - 125	R
8.17			282								
8.67			442								
10.01			332								
10.46			494								
10.63			310								
10.81			931								
11.06			665								
11.20			151								
11.28			238								
11.36			178								
11.97			268								
12.07			394								
12.18			126								
12.29			377								
12.41			114								
12.76			265								
12.97			101								
13.36			100								
13.84			314								
14.08			187								
14.21			125								
16.02			113								
16.40			174								
16.64			391								
16.71			345								
17.77			217								

6/9/10

CompuChem

Lab Smp Id : 0052510-BLK1 Client Smp Id : PBLKCN
Sample Type : BLANK Sublist : DODPEST
Inj Date : 04-JUN-2010 23:35 Inst ID :
Operator : System
Method : /chem/tracegc84.i/j100528u_2C.b/8081A_clpest2v6.m
Misc. Info : PBLKCN

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
17.86		187								
19.13		134								
19.33		216								
19.98		173								
20.40		268								
20.97	20.90 21.04	35878	406698	Decachlorobiphenyl	0.088218	14.70294		73.5	55 - 130	
21.47		388								

CompuChem

ASSIGNED TO T. WILLIAMS

EXTRACTION WORKSHEET

PEST/PCB IN S/S/S BY METHOD 3550B/C for 8081/8082

DATE/TIME EXTRACTED: 5-25-10@1220

EMPLOYEE ID # 1289

733

6-3-1

BATCH NO.: 0052510

617

	COMPUCHEM NUMBER	CLIENT SAMPLE ID	QC SAMPLE TYPE	SAMPLE WEIGHT (g)	FINAL VOLUME (ml)	COMMENTS
1	0052510-BLK1	PBLKCN	MB	30.0	5.0	** Samples Need to be GPC'd **
2	0052510-BS1	PCNLCS	LCS	30.0		
3	0052510-MS1	SB44-5-6MS	MS	30.0		ML 6-3-10
4	0052510-MSD1	SB44-5-6MSD	MSD	30.0		
5	1005134-06	SS33-0-1	SAMPLE	30.0		
6	1005134-07	SB33-4-5	SAMPLE	30.0		GPC (3640A) PERFORMED? (Y) N
7	1005134-08	SB31-5-6	SAMPLE	30.0		FLORISIL PERFORMED? Y (N)
8	1005134-09	SS31-0-1	SAMPLE	30.0		
9	1005134-10	SS32-0-1	SAMPLE	30.0		
10	1005134-11	SS32D-0-1	SAMPLE	30.0		ML 6-3-10
11	1005134-12	SB32-2.5-3.5	SAMPLE	30.0		
12	1005134-13	SB32D-2.5-3.5	SAMPLE	30.0		
13	1005134-14	SB50-1-2	SAMPLE	30.0		
14	1005134-15	SS12-0-1	SAMPLE	30.0		
15	1005134-16	SB12-2-3	SAMPLE	30.0		
16	1005134-17	SS44-0-1	SAMPLE	30.0		
17	1005134-18	SB44-5-6	SAMPLE	30.0		QC
18	1005134-19	SS43-0-1	SAMPLE	30.0		
19	1005134-20	SB43-3-4	SAMPLE	30.0	5.0	ML 6-3-10
20						
21						
22		ML 6-3-10				
23						
24						GPC Run Date: 6-1-10
25						GPC #5
26						GPC Calib. Date: 6-1-10

		AMOUNT	LOT #	SURROGATE AND SPIKE ADDED BY:
	SURROGATE	0.5 ml	OE0704	TMW 5-25-10
	SPIKE	1.0 ml	OE14001	INITIALS DATE

FINAL VOLUME VERIFIED: MLett

REVIEWED BY: [signature]

Witness SB, 5/25/10 (Initials, Date)

Analysts initials. Extract TMW KD BP N2 BP/ML Bottle up ML

Balance: SARTORIUS-BL310

Manufacturers and lot numbers of reagents/solvents used 50/50 CH_2Cl_2/CH_3COCH_3-ZXXB-650-1, Na_2SO_4-ZXXB-650-1, C_6H_{14}-73003

4/1/10:jad

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKFC

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/01/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc82.i/f100601a.b/013fSEQ-CCB1.d

Date : 01-JUN-2010 21:38

Client ID: PIBLKFC

Instrument: tracegc82.i

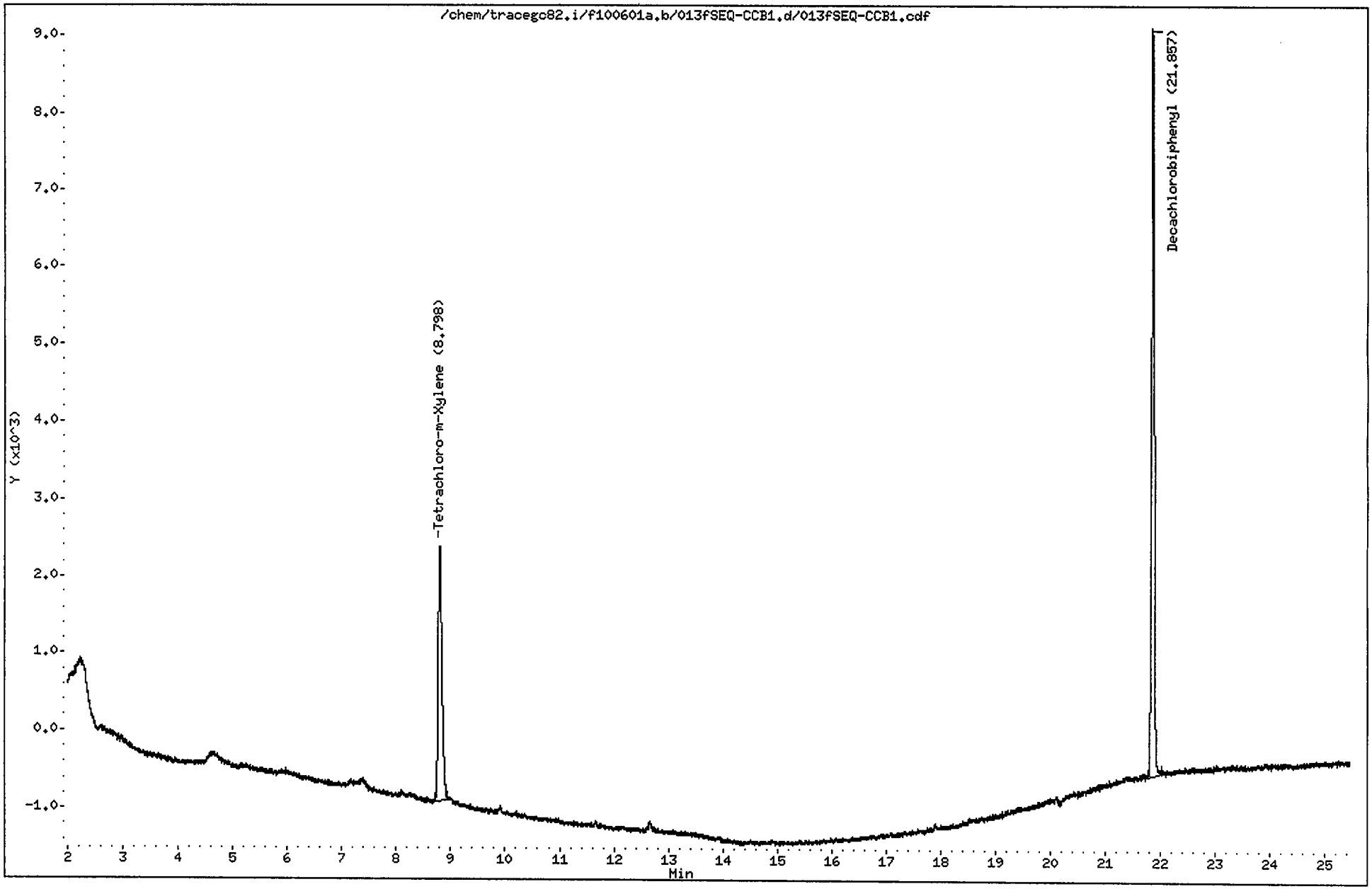
Sample Info: SEQ-CCB1

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB1 Client Smp Id : PIBLKFC
Sample Type : INSTBLANK Sublist : all
Inj Date : 01-JUN-2010 21:38 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601a.b/8081A_clpestv6.m
Misc. Info : PIBLKFCFD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.37			1683						
1.45			32799						
8.80	8.73	8.87	15809	1587700	Tetrachloro-m-Xylene	0.009957	0.049785		
21.86	21.79	21.93	31964	1622138	Decachlorobiphenyl	0.019705	0.098523		

1D

EPA SAMPLE NO.

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

PIBLKFD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/01/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc82.i/f100601a_2C.b/013fSEQ-CCB1.d

Date : 01-JUN-2010 21:38

Client ID: PIBLKFD

Instrument: tracegc82.i

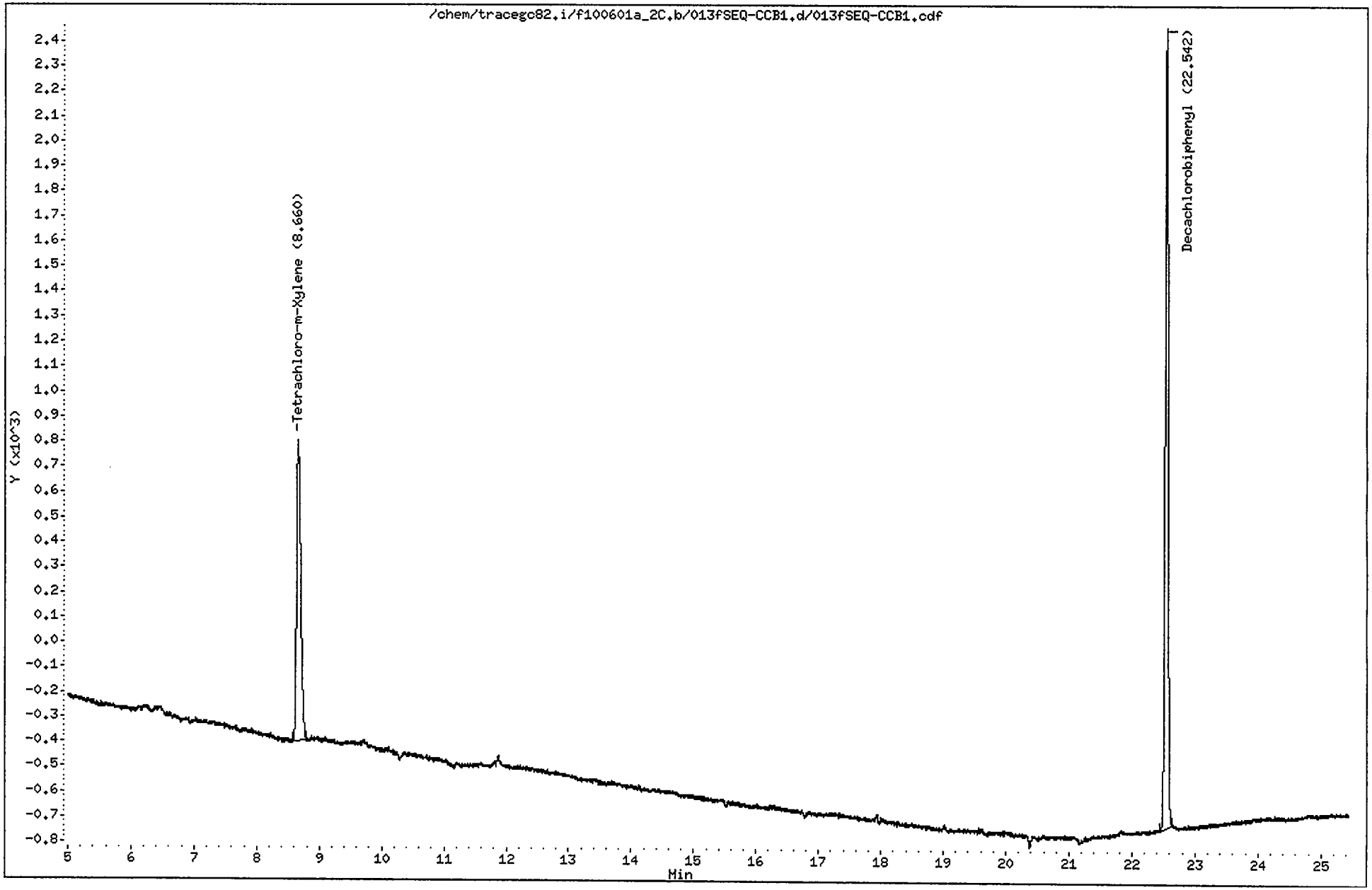
Sample Info: SEQ-CCB1

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB1 Client Smp Id : PIBLKFD
Sample Type : INSTBLANK Sublist : all
Inj Date : 01-JUN-2010 21:38 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601a_2C.b/8081A_clpest2v6.m
Misc. Info : PIBLKFCFD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
0.07			159						
1.35			716						
1.48			66921						
8.66	8.59	8.73	5563	548876	Tetrachloro-m-Xylene	0.010135	0.050674		
22.54	22.47	22.61	10282	497254	Decachlorobiphenyl	0.020677	0.103386		

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKFE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/02/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

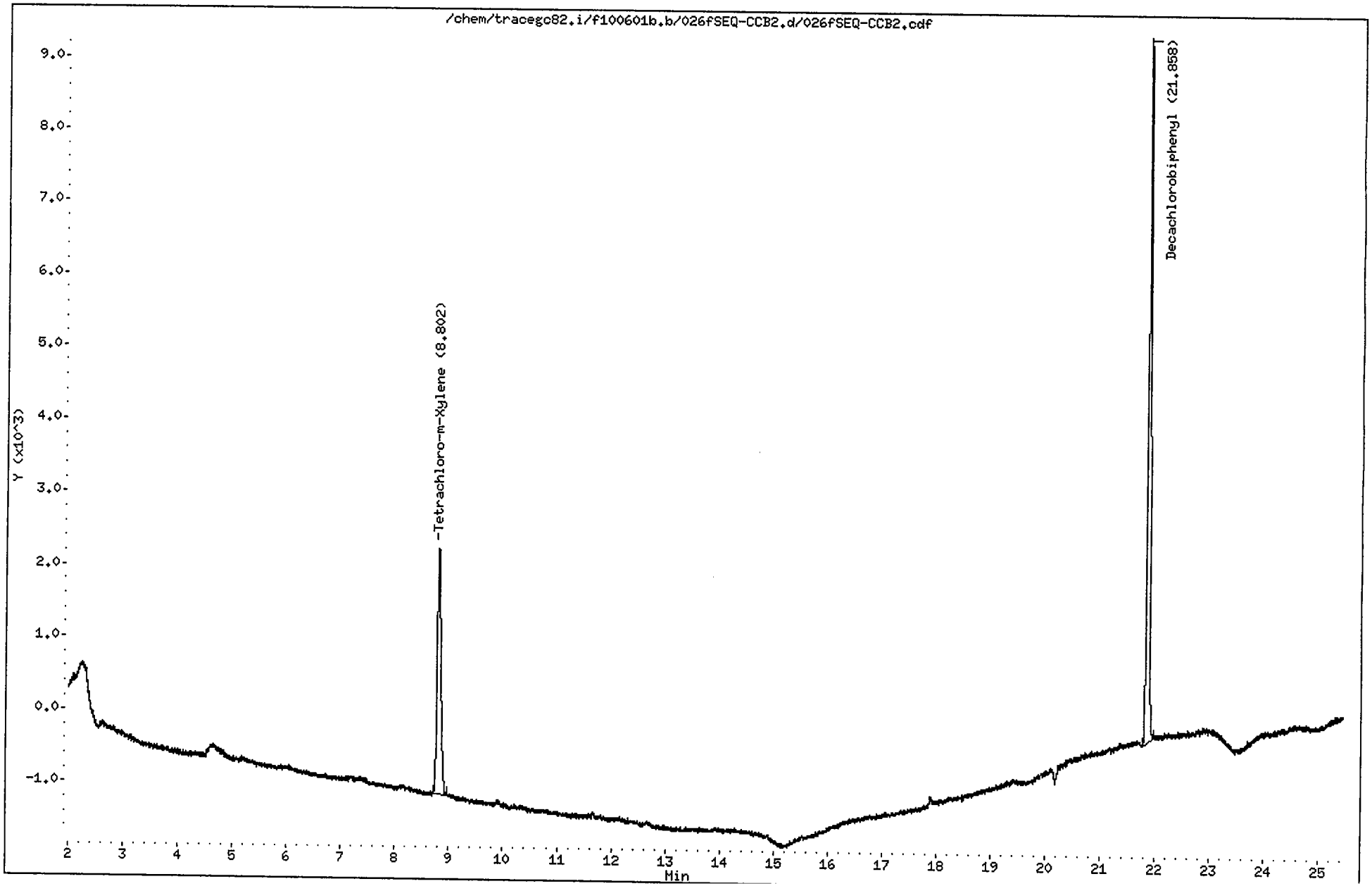
GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc82.i/f100601b.b/026fSEQ-CCB2.d
Date : 02-JUN-2010 03:57
Client ID: PIBLKFE
Sample Info: SEQ-CCB2
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB2 Client Smp Id : PIBLKFE
Sample Type : INSTBLANK Sublist : all
Inj Date : 02-JUN-2010 03:57 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601b.b/8081A_clpestv6.m
Misc. Info : PIBLKFEFF

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
0.03			449						
1.04			330						
1.33			704						
1.37			1321						
1.45			32246						
8.80	8.73	8.87	16475	1587700	Tetrachloro-m-Xylene	0.010377	0.051884		
21.86	21.79	21.93	31257	1622138	Decachlorobiphenyl	0.019269	0.096345		

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKFF

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/02/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc82.i/f100601b_2C.b/026fSEQ-CCB2.d

Date : 02-JUN-2010 03:57

Client ID: PIBLKFF

Sample Info: SEQ-CCB2

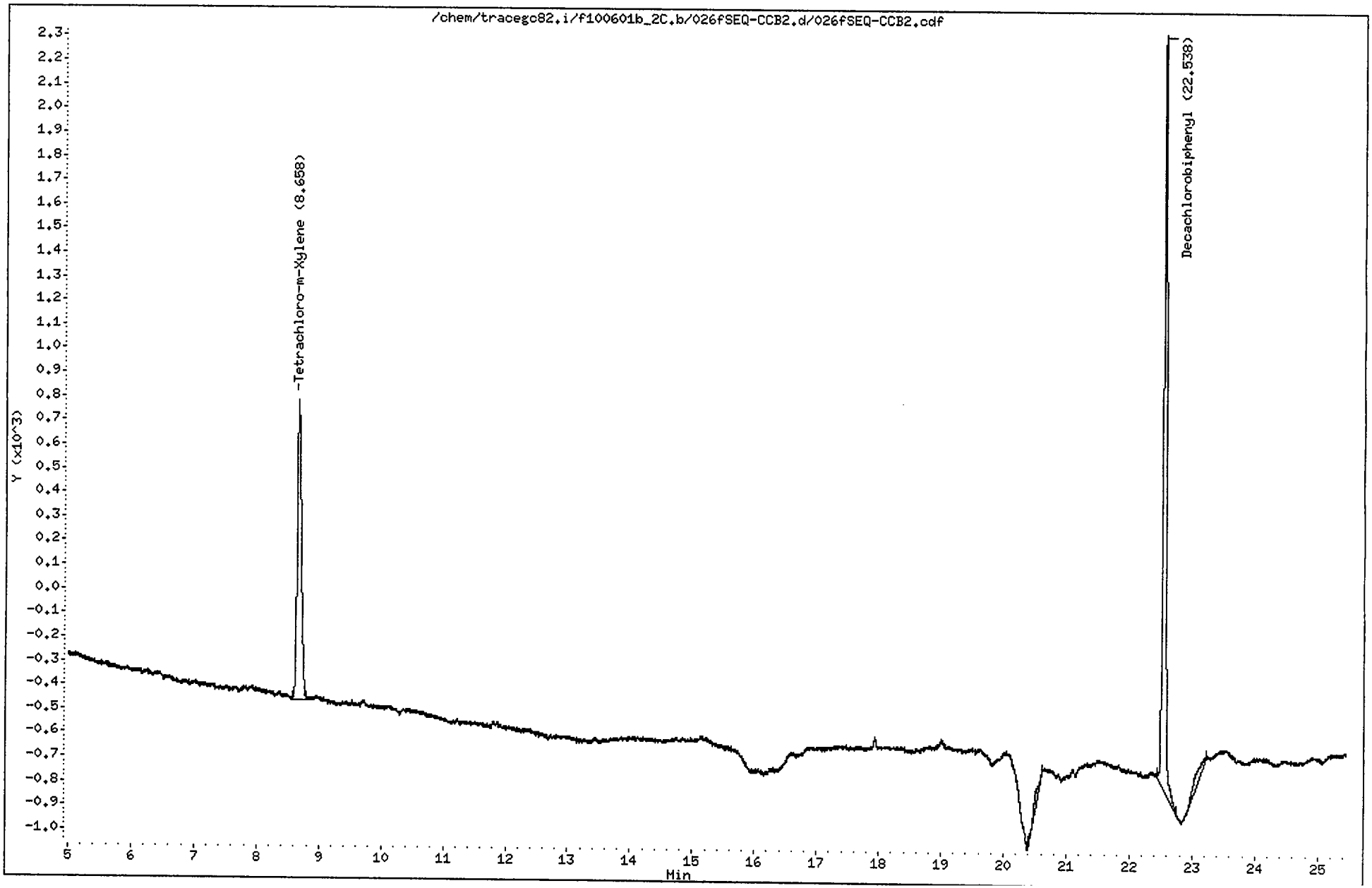
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB2 Client Smp Id : PIBLKFF
Sample Type : INSTBLANK Sublist : all
Inj Date : 02-JUN-2010 03:57 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601b_2C.b/8081A_clpest2v6.m
Misc. Info : PIBLKFEFF

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.35			501						
1.50			36641						
2.59			275						
8.66	8.59	8.73	5749	548876	Tetrachloro-m-Xylene	0.010474	0.052370		
20.60			398						
22.54	22.47	22.61	10385	497254	Decachlorobiphenyl	0.020885	0.104426		
23.20			582						

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKFG

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB3

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/02/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc82.i/f100601c.b/039fSEQ-CCB3.d

Date : 02-JUN-2010 10:15

Client ID: PIBLKFG

Instrument: tracegc82.i

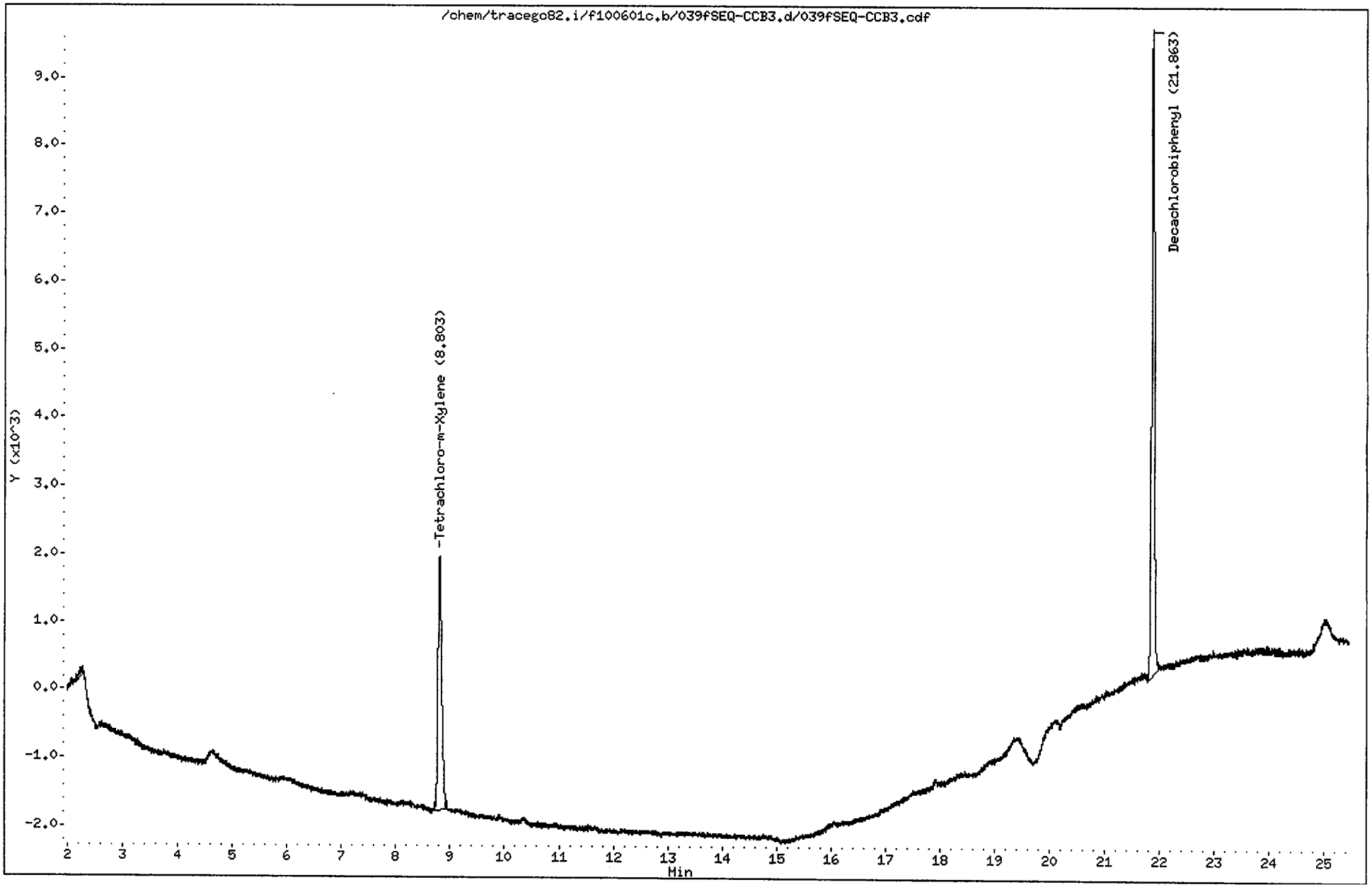
Sample Info: SEQ-CCB3

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB3 Client Smp Id : PIBLKFG
Sample Type : INSTBLANK Sublist : all
Inj Date : 02-JUN-2010 10:15 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601c.b/8081A_clpestv6.m
Misc. Info : PIBLKFGFH

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
0.05			341						
1.38			3082						
1.45			35287						
2.23			514						
8.80	8.73	8.87	17823	1587700	Tetrachloro-m-Xylene	0.011226	0.056128		
21.86	21.79	21.93	32863	1622138	Decachlorobiphenyl	0.020259	0.101296		
24.13			316						

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKFH

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB3

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/02/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

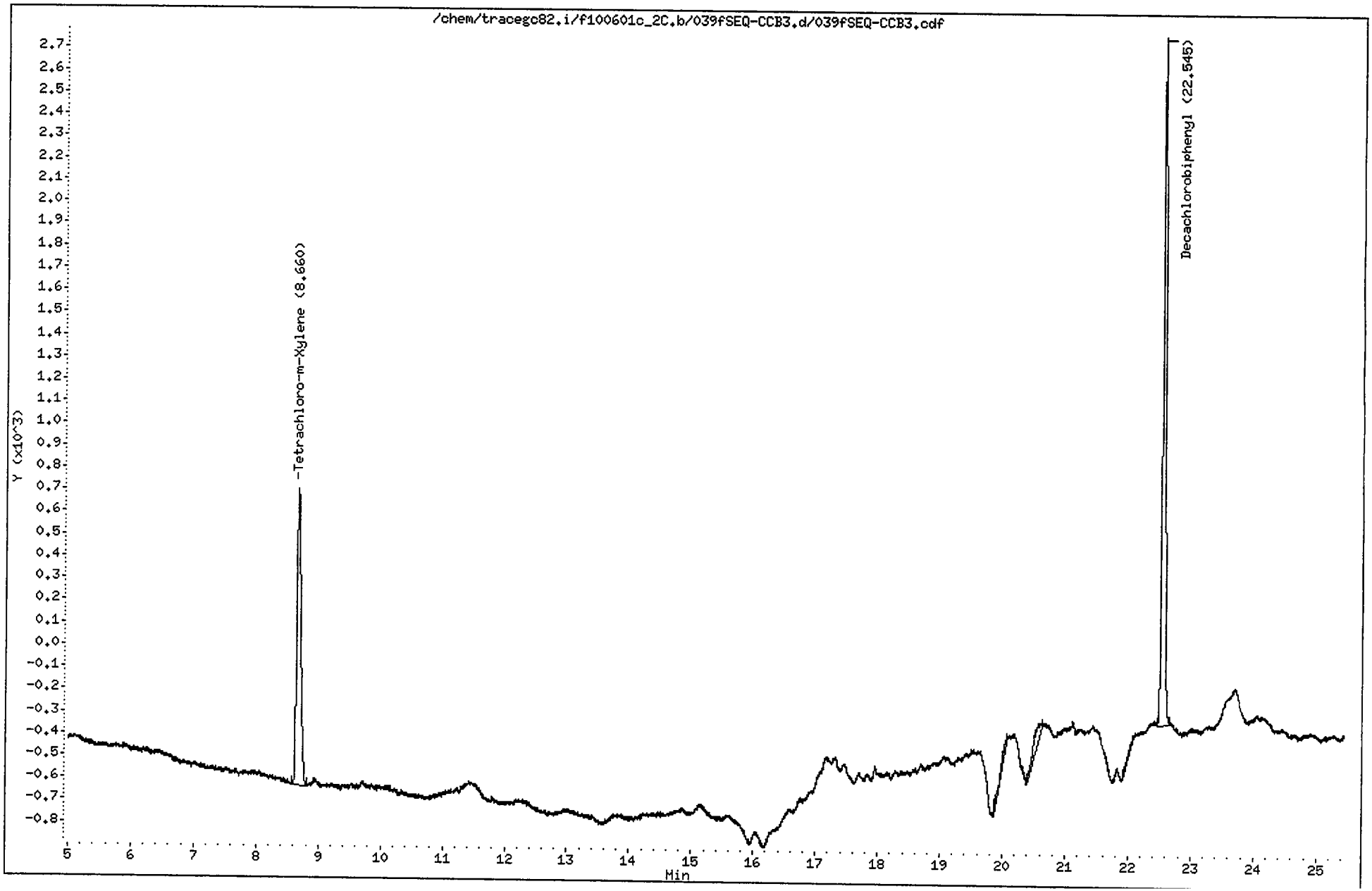
GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc82.i/f100601c_2C.b/039fSEQ-CCB3.d
Date : 02-JUN-2010 10:15
Client ID: PIBLKFH
Sample Info: SEQ-CCB3
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB3 Client Smp Id : PIBLKFH
Sample Type : INSTBLANK Sublist : all
Inj Date : 02-JUN-2010 10:15 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601c_2C.b/8081A_clpest2v6.m
Misc. Info : PIBLKFGFH

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
0.05			147						
1.35			680						
1.50			70940						
2.57			168						
8.66	8.59	8.73	6218	548876	Tetrachloro-m-Xylene	0.011328	0.056641		
20.06			327						
20.57			755						
22.06			144						
22.54	22.47	22.61	10266	497254	Decachlorobiphenyl	0.020645	0.103225		

6/1/2

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKFI

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB4

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/02/10

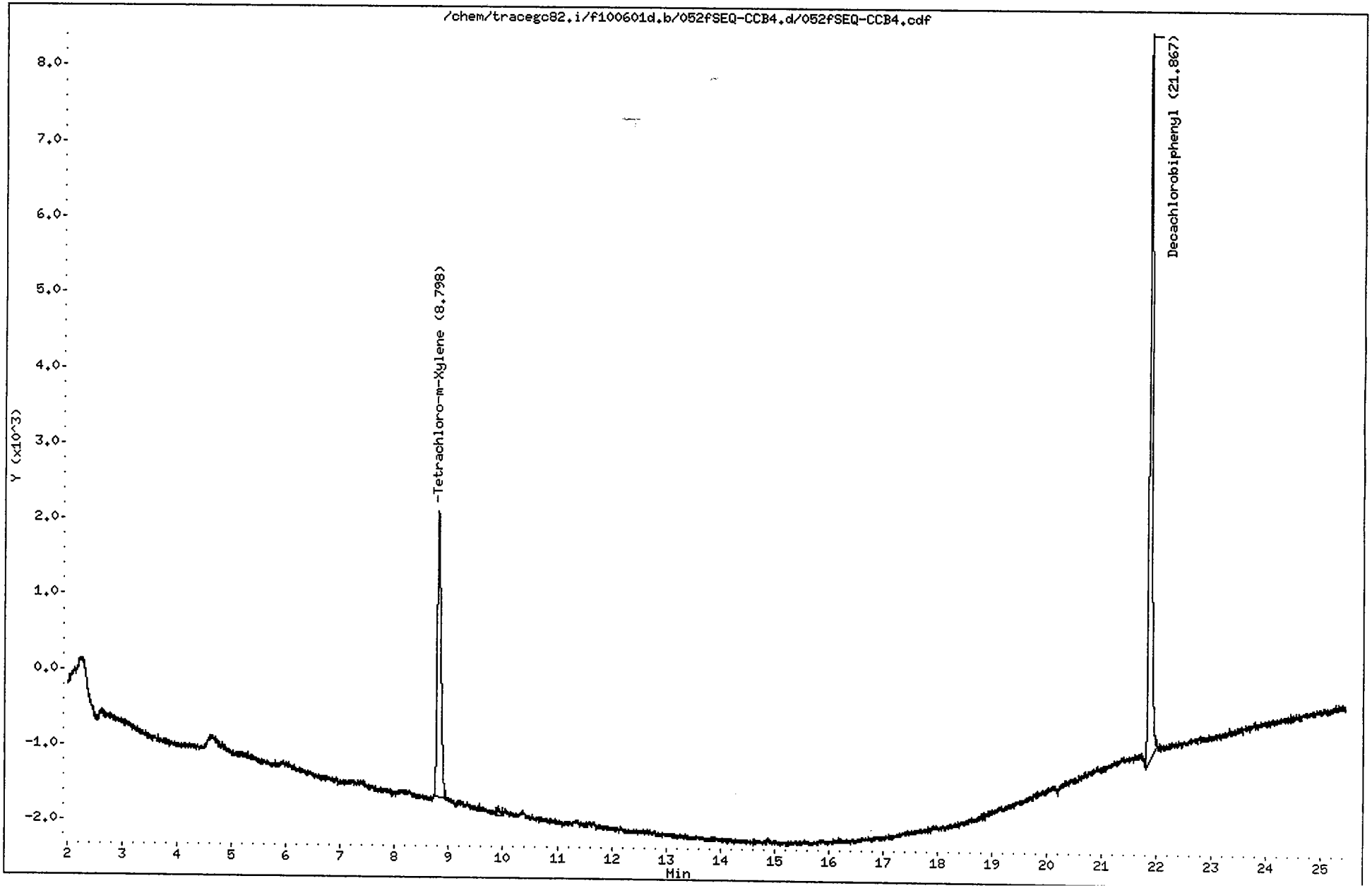
Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc82.i/f100601d.b/052fSEQ-CCB4.d
Date : 02-JUN-2010 16:34
Client ID: PIBLKFI
Sample Info: SEQ-CCB4
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i
Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB4 Client Smp Id : PIBLKFI
Sample Type : INSTBLANK Sublist : all
Inj Date : 02-JUN-2010 16:34 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601d.b/8081A_clpestv6.m
Misc. Info : PIBLKFIFJ

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.04			292						
1.32			469						
1.37			2242						
1.45			28350						
8.80	8.73	8.87	17927	1587700	Tetrachloro-m-Xylene	0.011291	0.056456		
9.90			424						
21.87	21.79	21.93	34910	1622138	Decachlorobiphenyl	0.021521	0.107604		

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKFJ

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB4

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/02/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

FORM I PEST

Data File: /chem/tracegc82.i/f100601d_2C.b/052fSEQ-CCB4.d

Date : 02-JUN-2010 16:34

Client ID: PIBLKFJ

Sample Info: SEQ-CCB4

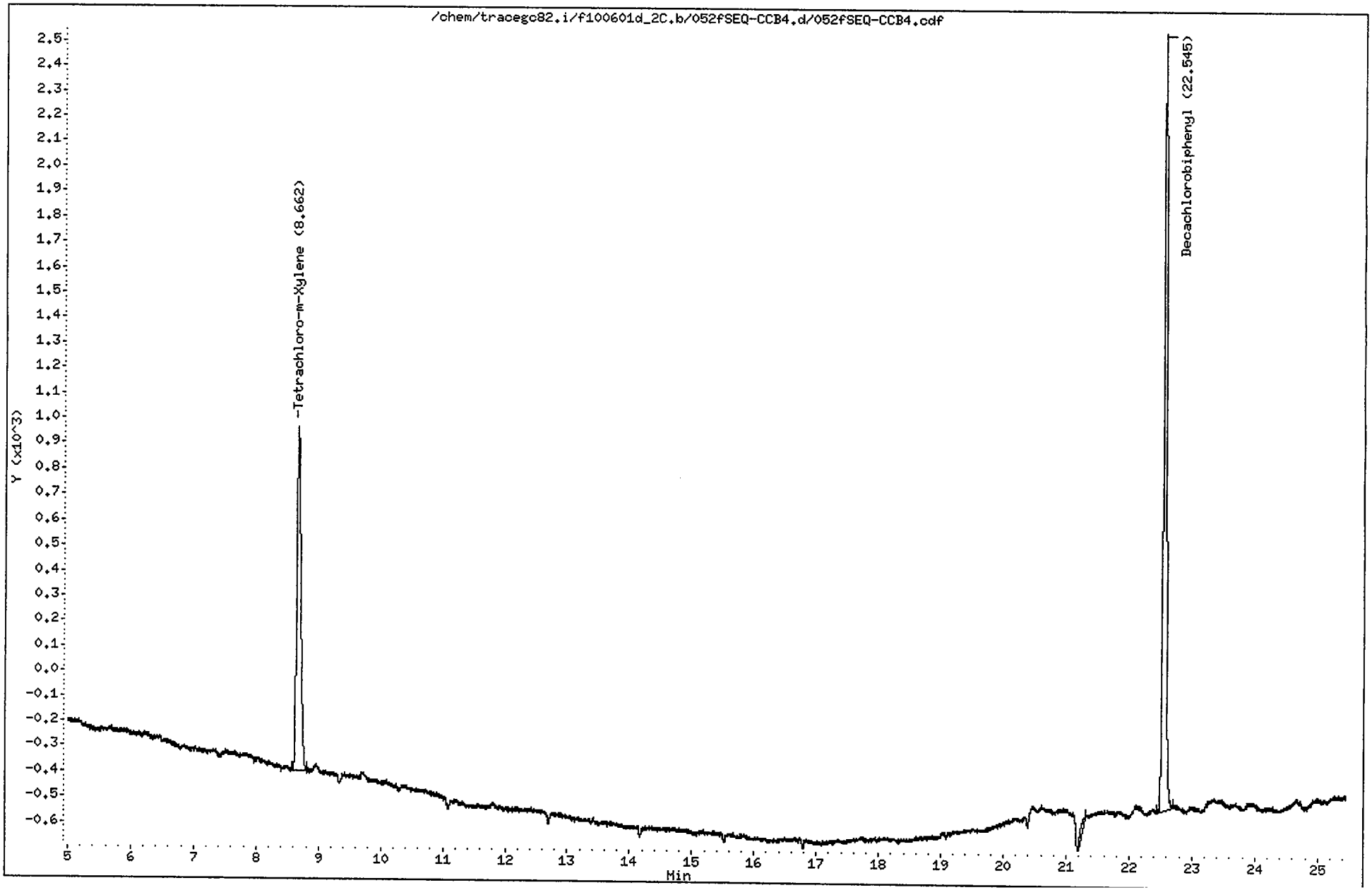
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB4 Client Smp Id : PIBLKFJ
Sample Type : INSTBLANK Sublist : all
Inj Date : 02-JUN-2010 16:34 Inst ID : TRACEGC82
Operator : BWL
Method : /chem/tracegc82.i/f100601d_2C.b/8081A_clpest2v6.m
Misc. Info : PIBLKFIFJ

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.35			550						
1.50			65190						
2.59			293						
8.66	8.59	8.73	6232	548876	Tetrachloro-m-Xylene	0.011354	0.056772		
21.30			214						
22.54	22.47	22.61	10647	497254	Decachlorobiphenyl	0.021411	0.107054		

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKKQ

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB3

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/04/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc84.i/j100528u.b/212jSEQ-CCB3.d

Date : 04-JUN-2010 22:08

Client ID: PIBLKKQ

Instrument: tracegc84.i

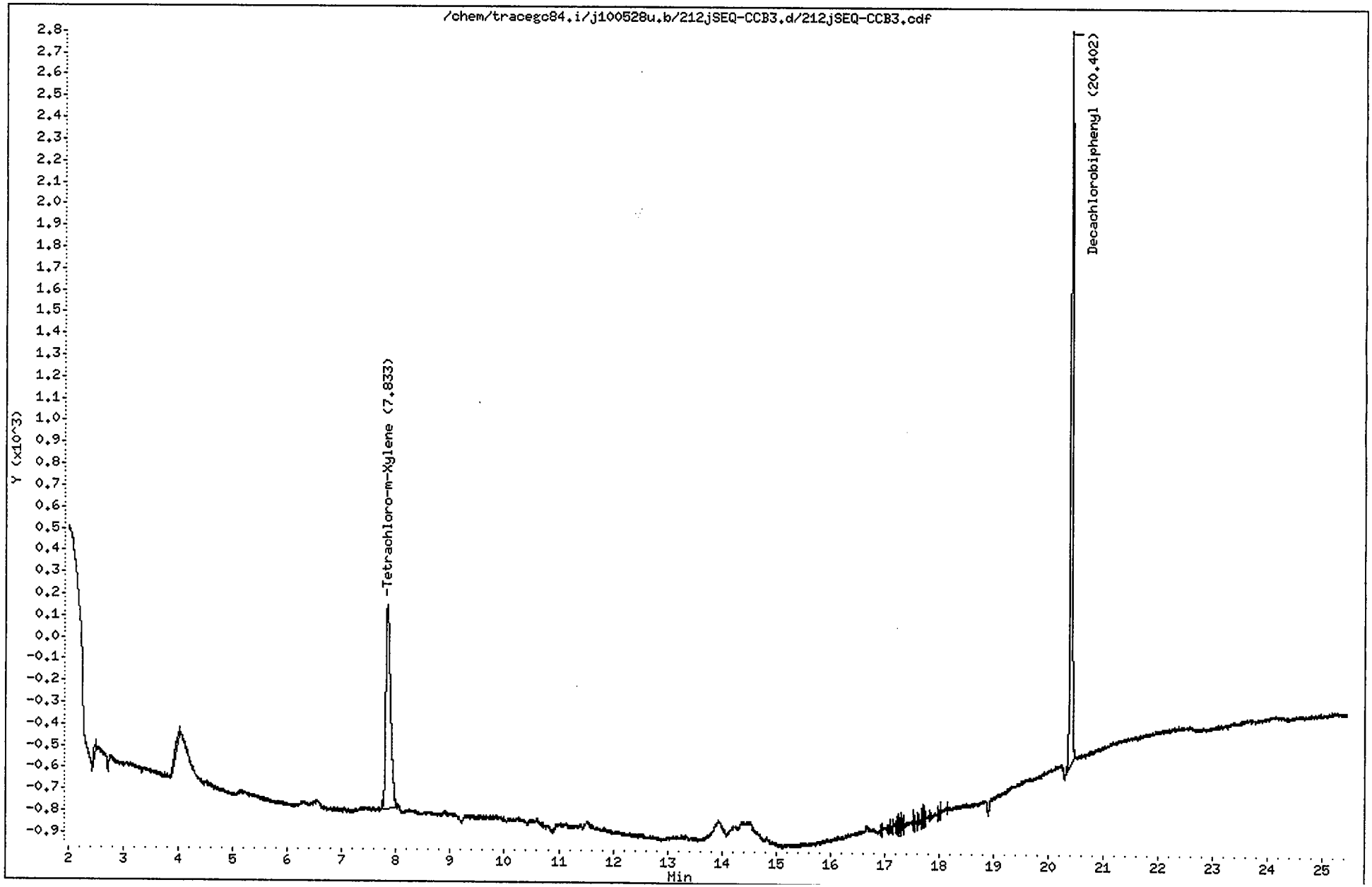
Sample Info: SEQ-CCB3

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB3 Client Smp Id : PIBLKKQ
Sample Type : INSTBLANK Sublist : all
Inj Date : 04-JUN-2010 22:08 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528u.b/8081A_clpestv6.m
Misc. Info : PIBLKKQKR

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 2000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.36		195						
1.45		27754						
2.49		169						
4.00		189						
7.83	7.77 7.91	5678	522758	Tetrachloro-m-Xylene	0.010862	0.021723		
17.26		151						
17.71		180						
20.40	20.33 20.47	8729	408350	Decachlorobiphenyl	0.021377	0.042754		

6/7/2

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKKR

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB3

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/04/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc84.i/j100528u_2C.b/212jSEQ-CCB3.d

Date : 04-JUN-2010 22:08

Client ID: PIBLKKR

Instrument: tracegc84.i

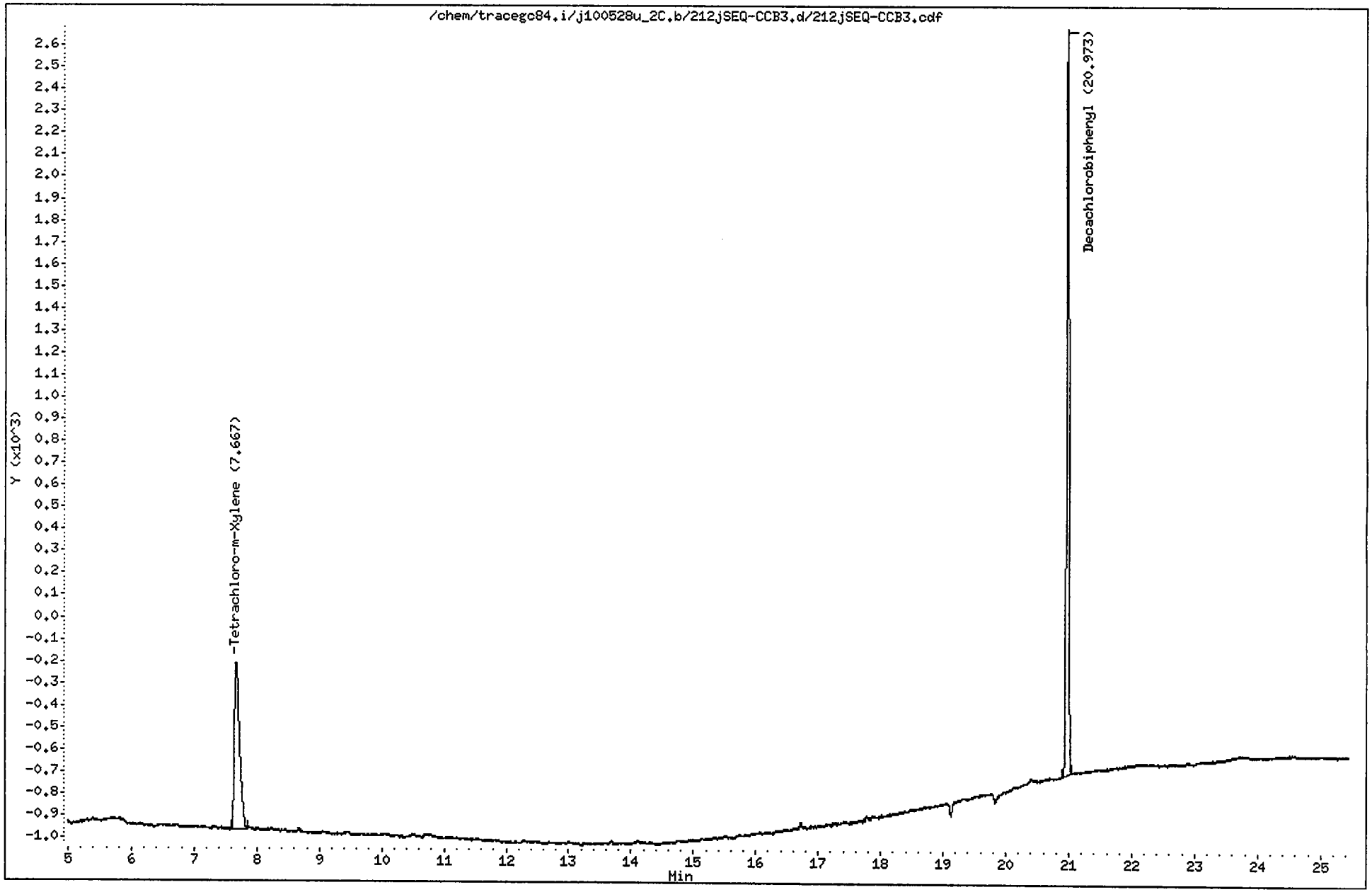
Sample Info: SEQ-CCB3

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB3 Client Smp Id : PIBLKKR
Sample Type : INSTBLANK Sublist : all
Inj Date : 04-JUN-2010 22:08 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528u_2C.b/8081A_clpest2v6.m
Misc. Info : PIBLKKQKR

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.31			145						
1.44			7103						
7.67	7.61	7.75	4367	416798	Tetrachloro-m-Xylene	0.010477	0.052386		
20.97	20.90	21.04	8551	406698	Decachlorobiphenyl	0.021027	0.105133		

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKKS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB4

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

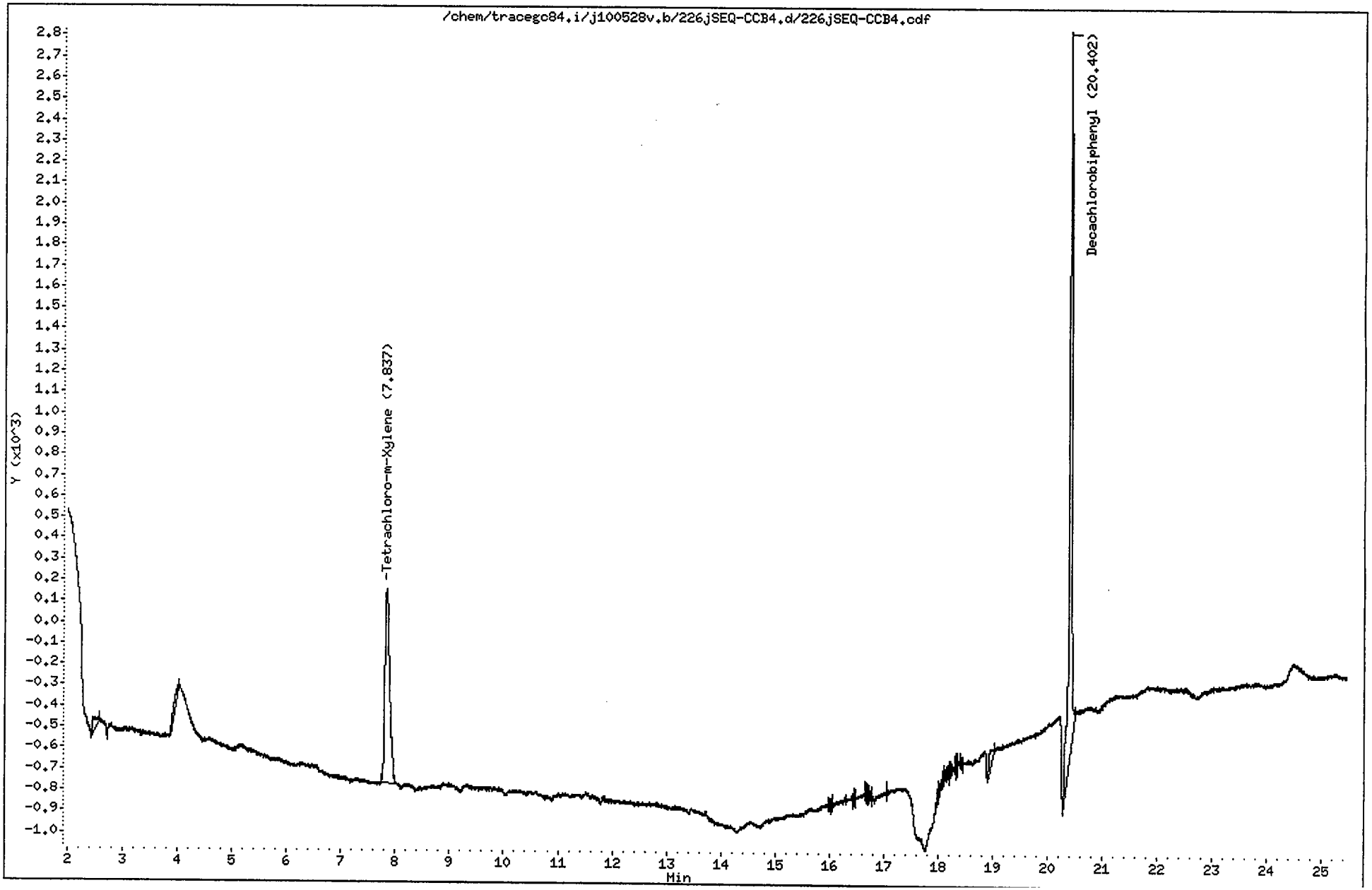
GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

FORM I PEST

Data File: /chem/tracegc84.i/j100528v.b/226jSEQ-CCB4.d
Date : 05-JUN-2010 04:53
Client ID: PIBLKKS
Sample Info: SEQ-CCB4
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i
Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB4 Client Smp Id : PIBLKKS
Sample Type : INSTBLANK Sublist : all
Inj Date : 05-JUN-2010 04:53 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528v.b/8081A_clpestv6.m
Misc. Info : PIBLKKSKT

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 2000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.35			189						
1.46			30782						
2.47			326						
4.00			327						
7.84	7.77	7.91	5658	522758	Tetrachloro-m-Xylene	0.010823	0.021646		
18.96			414						
20.40	20.33	20.47	10338	408350	Decachlorobiphenyl	0.025315	0.050631		

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKKT

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB4

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc84.i/j100528v_2C.b/226jSEQ-CCB4.d

Date : 05-JUN-2010 04:53

Client ID: PIBLKKT

Instrument: tracegc84.i

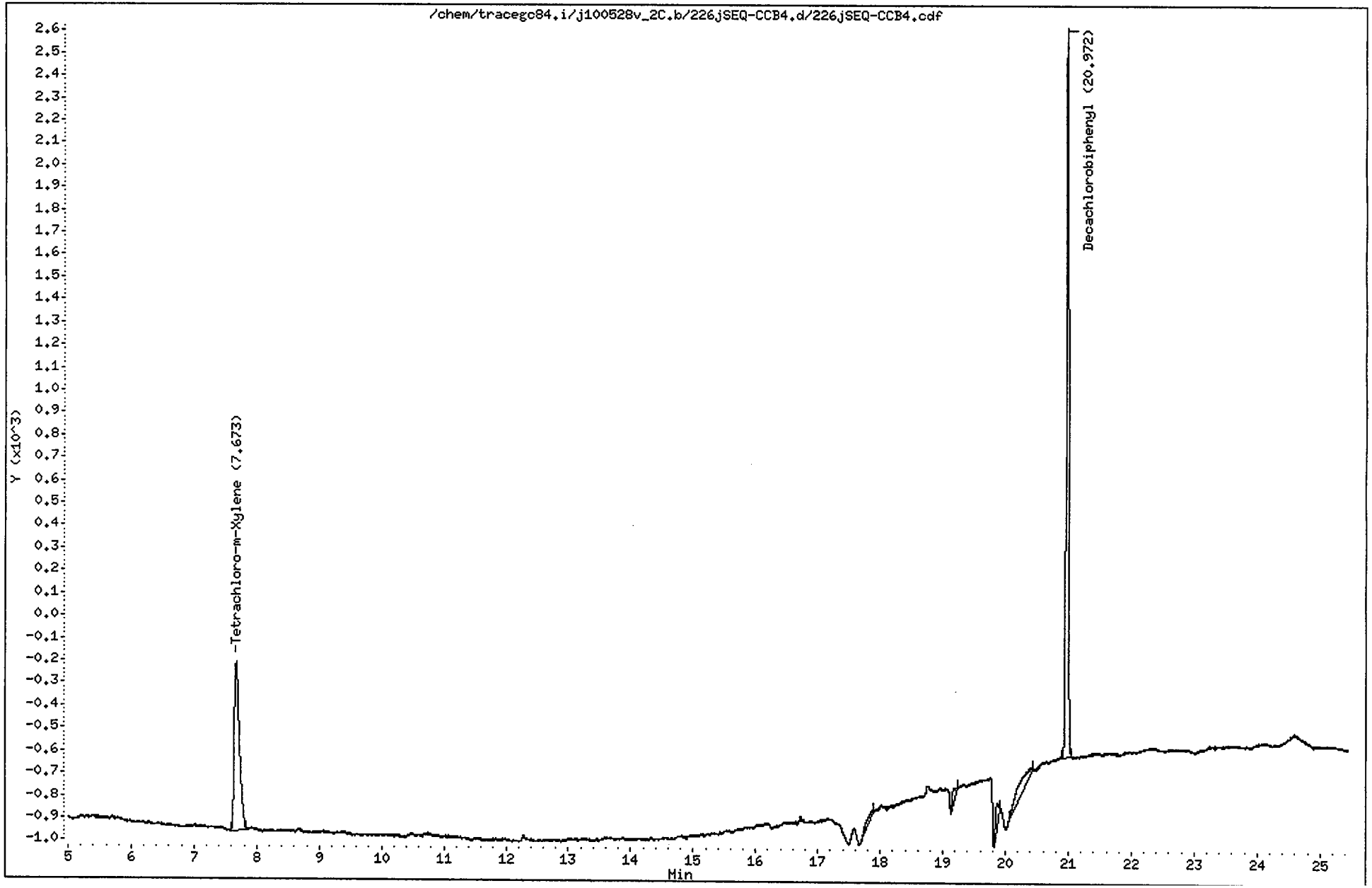
Sample Info: SEQ-CCB4

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB4 Client Smp Id : PIBLKKT
Sample Type : INSTBLANK Sublist : all
Inj Date : 05-JUN-2010 04:53 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528v_2C.b/8081A_clpest2v6.m
Misc. Info : PIBLKKSKT

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.31			109						
1.44			7058						
1.80			172						
3.34			252						
7.67	7.61	7.75	4352	416798	Tetrachloro-m-Xylene	0.010442	0.052211		
17.87			155						
19.23			244						
19.87			346						
20.40			936						
20.97	20.90	21.04	8233	406698	Decachlorobiphenyl	0.020244	0.101221		

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKKU

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB5

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

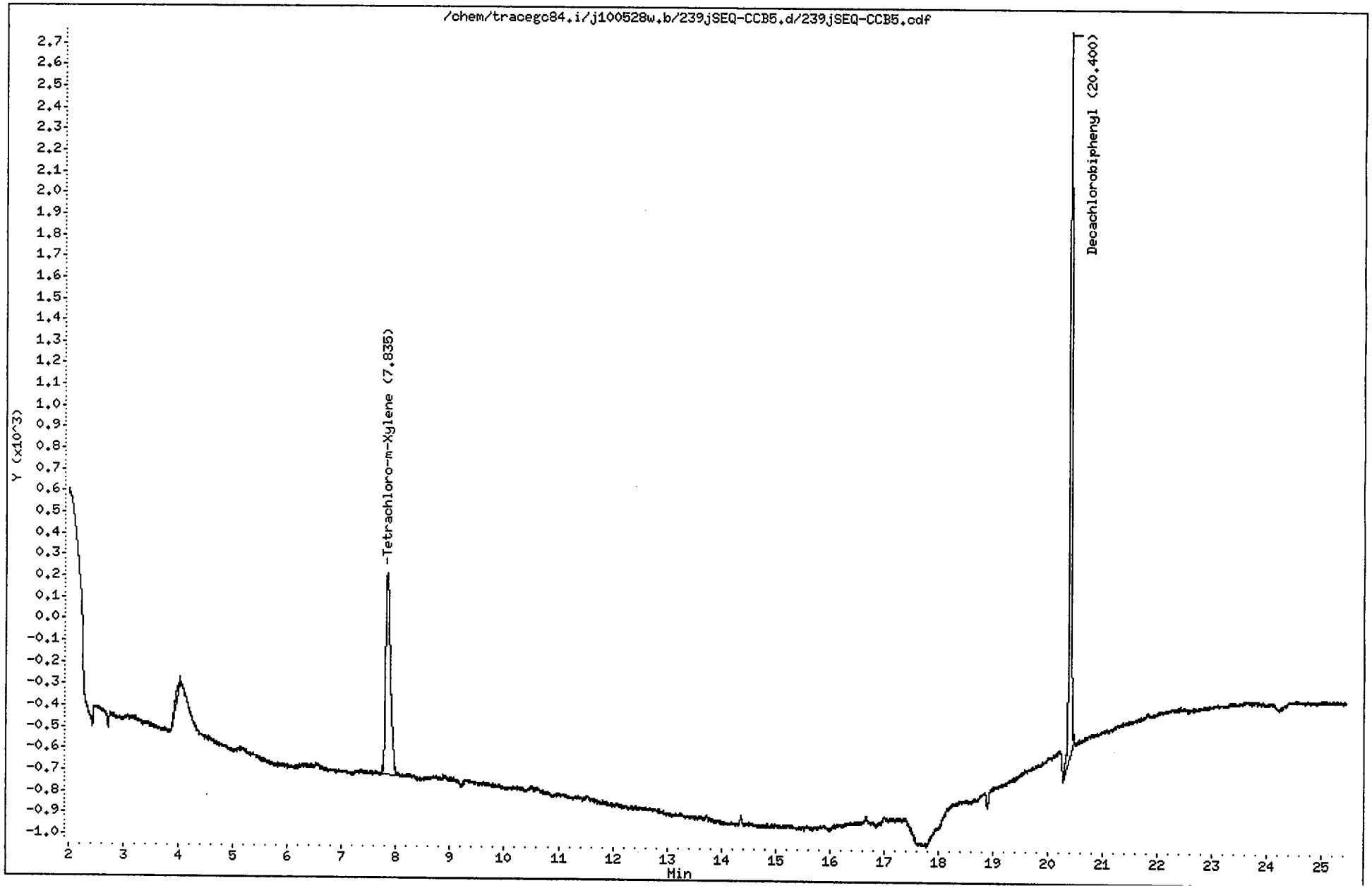
Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc84.i/j100528w.b/239jSEQ-CCB5.d
Date : 05-JUN-2010 11:09
Client ID: PIBLKKU
Sample Info: SEQ-CCB5
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i
Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB5 Client Smp Id : PIBLKKU
Sample Type : INSTBLANK Sublist : all
Inj Date : 05-JUN-2010 11:09 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528w.b/8081A_clpestv6.m
Misc. Info : PIBLKKUKV

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 2000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.35			198						
1.46			34200						
4.00			287						
7.84	7.77	7.91	5760	522758	Tetrachloro-m-Xylene	0.011019	0.022037		
20.40	20.33	20.47	9047	408350	Decachlorobiphenyl	0.022155	0.044309		

AHW
6/7/10

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKKV

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB5

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

FORM I PEST

Data File: /chem/tracegc84.i/j100528w_2C.b/239jSEQ-CCB5.d

Date : 05-JUN-2010 11:09

Client ID: PIBLKKV

Instrument: tracegc84.i

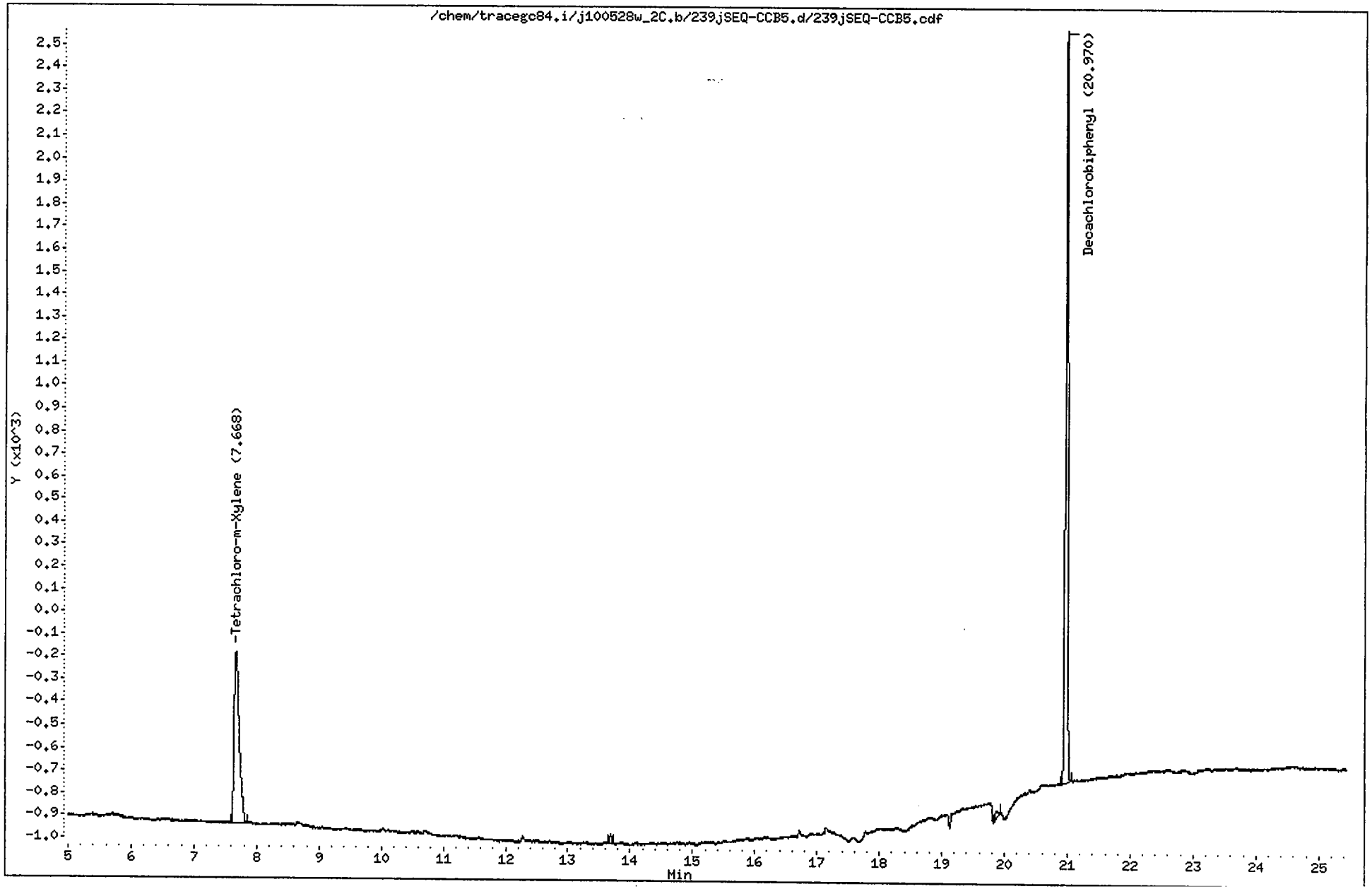
Sample Info: SEQ-CCB5

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB5 Client Smp Id : PIBLKKV
Sample Type : INSTBLANK Sublist : all
Inj Date : 05-JUN-2010 11:09 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528w_2C.b/8081A_clpest2v6.m
Misc. Info : PIBLKKUKV

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.31			116						
1.44			7497						
1.80			115						
3.34			216						
7.67	7.61	7.75	4328	416798	Tetrachloro-m-Xylene	0.010383	0.051916		
13.68			94						
19.87			124						
20.97	20.90	21.04	8484	406698	Decachlorobiphenyl	0.020860	0.104298		

AHW
6/7/10

b. Laboratory Control Sample Data

Arranged in chronological order, by extraction date.

- Tabulated Results (Form I)

- Chromatograms and data system printout(s)

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBOLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 0051919-BS1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/20/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/01/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	3.8	
319-85-7	beta-BHC	4.1	
319-84-6	alpha-BHC	4.5	
319-86-8	delta-BHC	4.8	
58-89-9	gamma-BHC (Lindane)	4.2	
72-54-8	4,4'-DDD	12	
72-55-9	4,4'-DDE	11	
50-29-3	4,4'-DDT	15	
60-57-1	Dieldrin	12	
959-98-8	Endosulfan I	4.3	
33213-65-9	Endosulfan II	11	
1031-07-8	Endosulfan sulfate	10	
72-20-8	Endrin	11	
7421-93-4	Endrin Aldehyde	6.7	
76-44-8	Heptachlor	4.9	
1024-57-3	Heptachlor Epoxide	5.0	
72-43-5	Methoxychlor	12	J
8001-35-2	Toxaphene	83	U
53494-70-5	Endrin Ketone	12	
5103-74-2	gamma-Chlordane	4.5	
5103-71-9	alpha-Chlordane	5.0	

Data File: /chem/tracegc82.i/f100601a.b/017f0051919-BS1.d

Date : 01-JUN-2010 23:34

Client ID: PBOLCS

Sample Info: 0051919-BS1

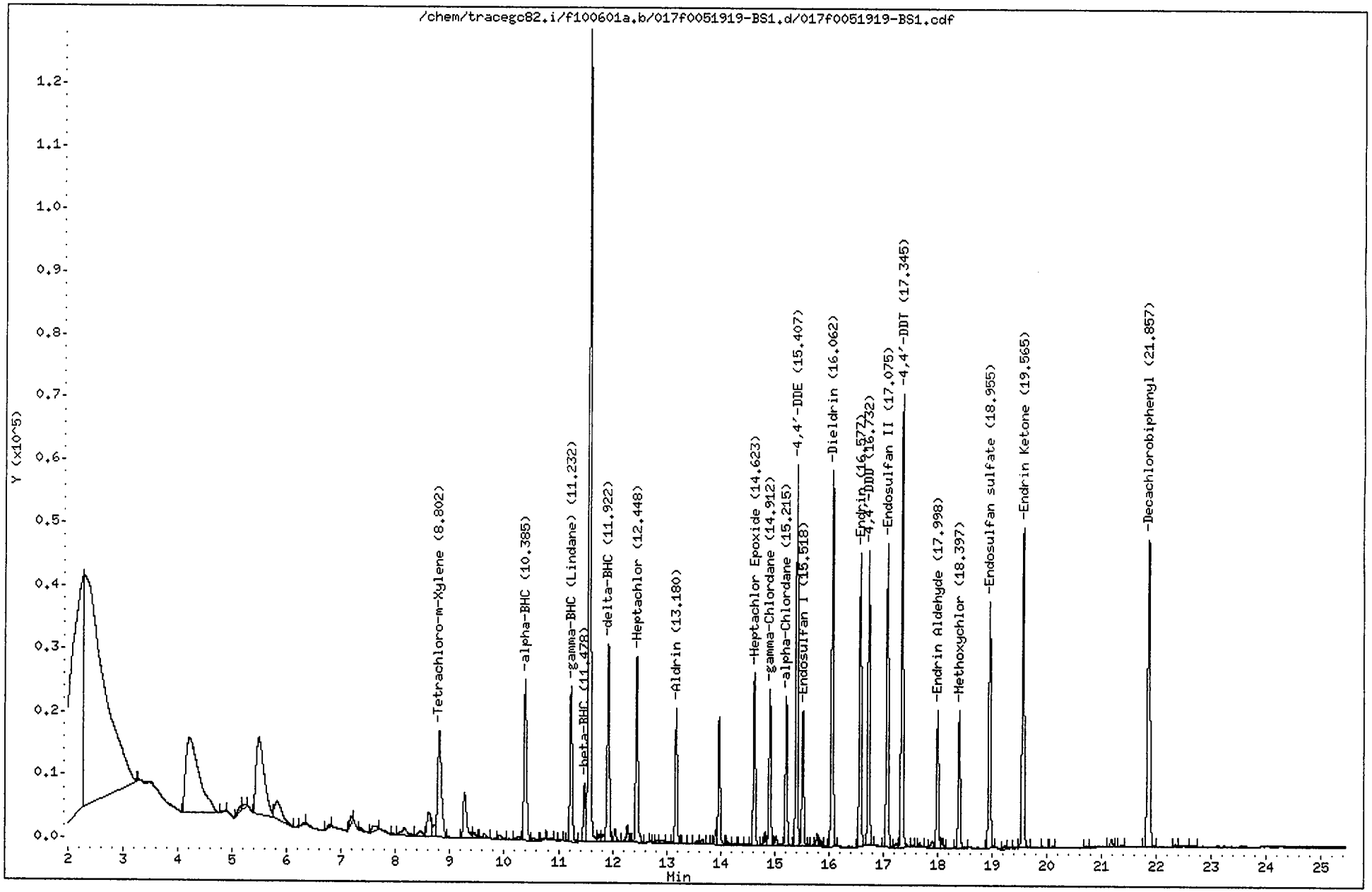
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc82.i

Operator: BWL

Column diameter: 0.32



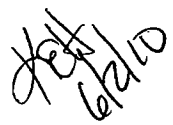
CompuChem

Lab Smp Id : 0051919-BS1 Client Smp Id : PBOLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 01-JUN-2010 23:34 Inst ID : TRACEGC82
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a.b/8081A_clpestv6.m
Misc. Info : PBOLCS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.37		629								
1.47		24519								
2.26		605765								
2.30		909748								
3.27		378								
4.21		204725								
4.84		808								
5.17		4688								
5.23		2986								
5.49		124818								
5.82		27154								
6.32		597								
6.79		1237								
7.18		4194								
7.36		1838								
7.61		5962								
7.95		306								
8.16		8366								
8.45		4657								
8.61		19782								
8.72		5260								
8.80	8.73 8.87	83457	1587700	Tetrachloro-m-Xylene	0.052565	8.760789		87.6	70 - 125	
9.27		31660								
9.45		3374								
9.63		3133								
9.91		2777								
10.27		2318								
10.38	10.32 10.46	82929	3028788	alpha-BHC	0.027380	4.563377	1.700000	91.3	60 - 125	
10.54		1960								
10.72		903								
10.83		533								
11.06		296								
11.23	11.16 11.30	71584	2817265	gamma-BHC (Lindane)	0.025409	4.234840	1.700000	84.7	60 - 125	
11.48	11.41 11.55	25198	1035150	beta-BHC	0.024342	4.057061	0.851000	81.1	60 - 125	
11.57		368402								
11.75		3985								
11.83		3071								



CompuChem

Lab Smp Id : 0051919-BS1 Client Smp Id : PBOLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 01-JUN-2010 23:34 Inst ID :
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a.b/8081A_clpestv6.m
Misc. Info : PBOLCS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.92	11.85 11.99	89416	2721052	delta-BHC	0.032860	5.476741	1.700000	109.5	55 - 130	
12.04		6599								
12.28		7594								
12.45	12.38 12.52	81362	2589888	Heptachlor	0.031415	5.235877	1.700000	104.7	50 - 140	
12.71		600								
12.83		974								
12.93		1840								
13.04		659								
13.18	13.11 13.25	54535	2391920	Aldrin	0.022800	3.799946	1.700000	76.0	45 - 140	
13.32		419								
13.57		1861								
13.67		2388								
13.76		535								
13.85		299								
13.91		4617								
13.97		51567								
14.10		453								
14.14		1202								
14.26		562								
14.39		726								
14.49		796								
14.62	14.56 14.70	68077	2235460	Heptachlor Epoxide	0.030453	5.075540	1.700000	101.5	65 - 130	
14.75		674								
14.82		4887								
14.91	14.84 14.98	60184	2245768	gamma-Chlordane	0.026798	4.466402	1.700000	89.3	65 - 125	
15.03		4774								
15.22	15.15 15.29	57221	1924148	alpha-Chlordane	0.029738	4.956307	1.700000	99.1	65 - 120	
15.41	15.34 15.48	141063	2012896	4,4'-DDE	0.070079	11.67985	3.300000	93.4	70 - 125	
15.52	15.45 15.59	53311	2067970	Endosulfan I	0.025779	4.296484	1.700000	85.9	15 - 135	
15.63		371								
15.71		426								
15.79		4849								
15.86		2197								
15.94		463								
16.06	15.99 16.13	148509	2037205	Dieldrin	0.072898	12.14973	3.300000	97.2	65 - 125	
16.58	16.51 16.65	114669	1695798	Endrin	0.067620	11.26992	3.300000	90.2	60 - 135	
16.73	16.66 16.80	108142	1534440	4,4'-DDD	0.070477	11.74609	3.300000	94.0	30 - 135	

CompuChem

Lab Smp Id : 0051919-BS1 Client Smp Id : PBOLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 01-JUN-2010 23:34 Inst ID :
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a.b/8081A_clpestv6.m
Misc. Info : PBOLCS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
17.08	17.01 17.15	120210	1759840	Endosulfan II	0.068307	11.38446	3.300000	91.1	35 - 140	
17.23		1926								
17.34	17.27 17.41	173704	1722489	4,4'-DDT	0.100844	16.80737	3.300000	134.5	45 - 140	
17.55		733								
17.68		1506								
17.91		3300								
18.00	17.93 18.07	54750	1371845	Endrin Aldehyde	0.039909	6.651505	3.300000	53.2	35 - 145	
18.09		3820								
18.40	18.33 18.47	53005	731447	Methoxychlor	0.072466	12.07766	17.00000	96.6	55 - 145	J
18.96	18.89 19.03	99924	1574194	Endosulfan sulfate	0.063476	10.57928	3.300000	84.6	60 - 135	
19.23		1650								
19.41		419								
19.56	19.49 19.63	131950	1849761	Endrin Ketone	0.071334	11.88892	3.300000	95.1	65 - 135	
19.93		649								
20.11		471								
20.72		557								
21.18		3468								
21.37		1027								
21.86	21.79 21.93	156512	1622138	Decachlorobiphenyl	0.096484	16.08073		80.4	55 - 130	
22.35		1014								
22.66		1098								

Data File: /chem/tracegc82.i/f100601a_2C.b/017f0051919-BS1.d

Date : 01-JUN-2010 23:34

Client ID: PBOLCS

Instrument: tracegc82.i

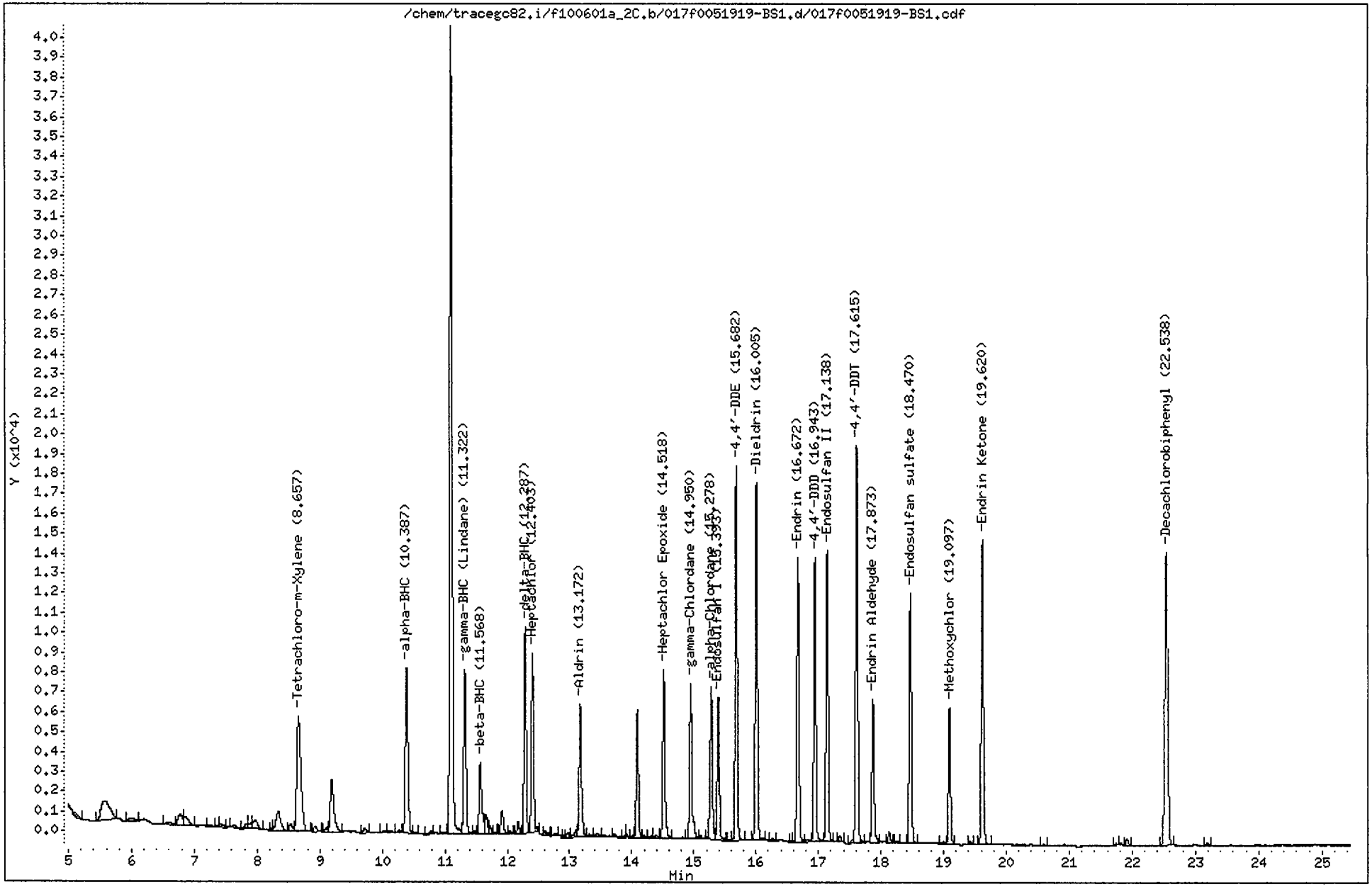
Sample Info: 0051919-BS1

Volume Injected (uL): 1.0

Operator: BWL

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0051919-BS1 Client Smp Id : PBOLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 01-JUN-2010 23:34 Inst ID : TRACEGC82
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a_2C.b/8081A_clpest2v6.m
Misc. Info : PBOLCS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.35		369								
1.54		21378								
2.07		706663								
3.13		24699								
3.52		77512								
4.43		373								
4.71		48164								
5.57		8960								
6.00		978								
6.57		813								
6.77		2697								
6.85		2610								
7.26		463								
7.38		225								
7.42		748								
7.63		619								
7.84		804								
7.90		884								
7.97		2400								
8.25		263								
8.34		5366								
8.54		1364								
8.66	8.59 8.73	26614	548876	Tetrachloro-m-Xylene	0.048488	8.081364		80.8	70 - 125	
8.92		914								
9.11		675								
9.19		10506								
9.72		1032								
10.02		230								
10.13		276								
10.27		337								
10.39	10.32 10.46	24861	916452	alpha-BHC	0.027127	4.521238	1.700000	90.4	60 - 125	
10.52		208								
10.78		487								
10.98		279								
11.10		106188								
11.32	11.25 11.39	21986	866882	gamma-BHC (Lindane)	0.025362	4.227024	1.700000	84.5	60 - 125	
11.47		349								

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CompuChem

Lab Smp Id : 0051919-BS1 Client Smp Id : PBOLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 01-JUN-2010 23:34 Inst ID :
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a_2C.b/8081A_clpest2v6.m
Misc. Info : PBOLCS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.57	11.50 11.64	10937	347428	beta-BHC	0.031477	5.246178	0.851000	104.9	60 - 125	
11.66		2654								
11.72		932								
11.80		262								
11.85		281								
11.92		3790								
12.04		376								
12.17		1557								
12.29	12.22 12.36	24035	827595	delta-BHC	0.029042	4.840331	1.700000	96.8	55 - 130	
12.40	12.33 12.47	22705	778205	Heptachlor	0.029176	4.862685	1.700000	97.3	50 - 140	
12.61		719								
12.77		162								
12.91		154								
12.97		676								
13.10		1121								
13.17	13.10 13.24	18131	726628	Aldrin	0.024951	4.158481	1.700000	83.2	45 - 140	
13.31		452								
13.45		635								
13.72		475								
13.91		346								
14.03		238								
14.09		15434								
14.20		417								
14.31		349								
14.40		492								
14.52	14.45 14.59	20647	683115	Heptachlor Epoxide	0.030223	5.037219	1.700000	100.7	65 - 130	
14.95	14.88 15.02	20194	690205	gamma-Chlordane	0.029258	4.876329	1.700000	97.5	65 - 125	
15.11		370								
15.28	15.21 15.35	19495	595455	alpha-Chlordane	0.032738	5.456332	1.700000	109.1	65 - 120	
15.39	15.33 15.47	17438	638725	Endosulfan I	0.027300	4.549950	1.700000	91.0	15 - 135	
15.60		180								
15.68	15.61 15.75	41896	617325	4,4'-DDE	0.067865	11.31090	3.300000	90.5	70 - 125	
15.87		150								
16.00	15.94 16.08	41833	598394	Dieldrin	0.069907	11.65119	3.300000	93.2	65 - 125	
16.26		281								
16.57		212								
16.67	16.60 16.74	35122	524785	Endrin	0.066926	11.15441	3.300000	89.2	60 - 135	

CompuChem

Lab Smp Id : 0051919-BS1 Client Smp Id : PBOLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 01-JUN-2010 23:34 Inst ID :
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a_2C.b/8081A_clpest2v6.m
Misc. Info : PBOLCS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
16.81		453								
16.94	16.87 17.01	32092	454222	4,4'-DDD	0.070653	11.77543	3.300000	94.2	30 - 135	
17.14	17.07 17.21	35004	526756	Endosulfan II	0.066452	11.07533	3.300000	88.6	35 - 140	
17.34		559								
17.55		411								
17.62	17.55 17.69	46506	503765	4,4'-DDT	0.092317	15.38614	3.300000	123.1	45 - 140	
17.87	17.81 17.95	17899	425754	Endrin Aldehyde	0.042041	7.006789	3.300000	56.1	35 - 145	
18.13		1200								
18.26		178								
18.47	18.40 18.54	30221	479624	Endosulfan sulfate	0.063008	10.50129	3.300000	84.0	60 - 135	
19.00		295								
19.10	19.03 19.17	15617	208391	Methoxychlor	0.074941	12.49014	17.00000	99.9	55 - 145	J
19.42		356								
19.62	19.55 19.69	38014	535815	Endrin Ketone	0.070946	11.82435	3.300000	94.6	65 - 135	
20.60		144								
21.75		196								
21.82		190								
21.91		899								
22.54	22.47 22.61	47149	497254	Decachlorobiphenyl	0.094817	15.80277		79.0	55 - 130	
23.18		281								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBOLCSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 0051919-BSD1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/20/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/02/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

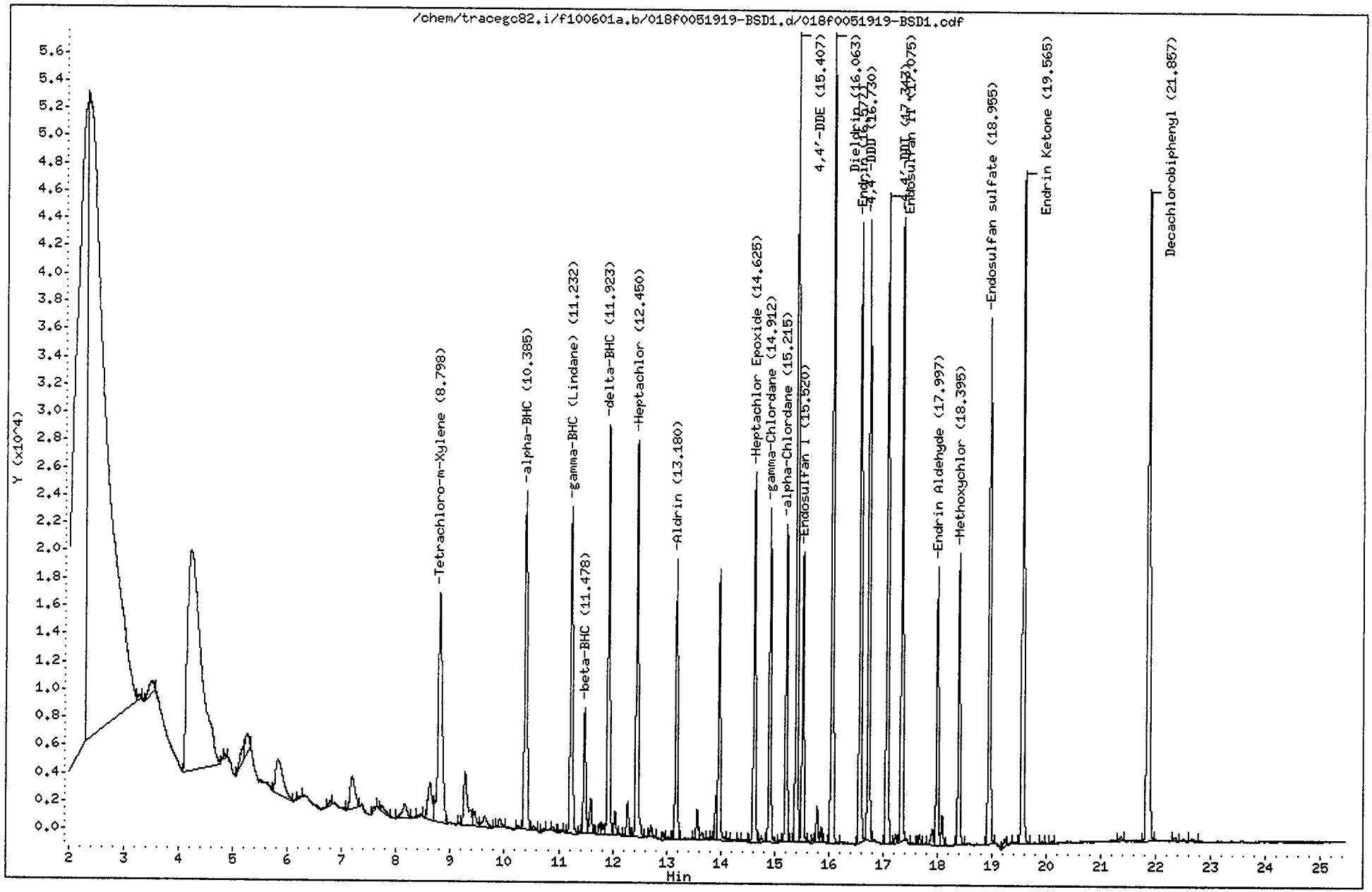
GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	3.6	
319-85-7	beta-BHC	4.1	
319-84-6	alpha-BHC	4.4	
319-86-8	delta-BHC	4.6	
58-89-9	gamma-BHC (Lindane)	3.9	
72-54-8	4,4'-DDD	11	
72-55-9	4,4'-DDE	11	
50-29-3	4,4'-DDT	10	
60-57-1	Dieldrin	11	
959-98-8	Endosulfan I	4.1	
33213-65-9	Endosulfan II	11	
1031-07-8	Endosulfan sulfate	10	
72-20-8	Endrin	11	
7421-93-4	Endrin Aldehyde	6.0	
76-44-8	Heptachlor	4.7	
1024-57-3	Heptachlor Epoxide	4.6	
72-43-5	Methoxychlor	12	J
8001-35-2	Toxaphene	83	U
53494-70-5	Endrin Ketone	11	
5103-74-2	gamma-Chlordane	4.3	
5103-71-9	alpha-Chlordane	4.8	

Data File: /chem/tracegc82.i/f100601a.b/018f0051919-BSD1.d
Date : 02-JUN-2010 00:04
Client ID: PBOLCSD
Sample Info: 0051919-BSD1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : 0051919-BSD1 Client Smp Id : PBOLCSD
Sample Type : LCSD Sublist : DODPEST
Inj Date : 02-JUN-2010 00:04 Inst ID : TRACEGC82
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a.b/8081A_clpestv6.m
Misc. Info : PBOLCSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.48			4134								
2.31			730893								
2.32			1025381								
3.26			1781								
3.51			6324								
4.21			277070								
4.84			564								
5.18			4634								
5.26			7142								
5.82			23797								
6.24			540								
6.79			1162								
7.19			14734								
7.62			753								
7.74			2462								
8.16			6513								
8.43			664								
8.62			14030								
8.80	8.73	8.87	83992	1587700	Tetrachloro-m-Xylene	0.052902	8.816950		88.2	70 - 125	
9.17			424								
9.27			19856								
9.45			4400								
9.64			4434								
9.91			2562								
10.27			523								
10.38	10.32	10.46	80144	3028788	alpha-BHC	0.026461	4.410126	1.700000	88.2	60 - 125	
10.54			1010								
10.73			907								
10.88			920								
11.03			345								
11.23	11.16	11.30	69773	2817265	gamma-BHC (Lindane)	0.024766	4.127703	1.700000	82.6	60 - 125	
11.48	11.41	11.55	25344	1035150	beta-BHC	0.024483	4.080568	0.851000	81.6	60 - 125	
11.60			7542								
11.75			1955								
11.82			2161								
11.92	11.85	11.99	79396	2721052	delta-BHC	0.029178	4.863069	1.700000	97.3	55 - 130	
12.04			4461								

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CompuChem

Lab Smp Id : 0051919-BSD1 Client Smp Id : PBOLCSD
Sample Type : LCSD Sublist : DODPEST
Inj Date : 02-JUN-2010 00:04 Inst ID :
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a.b/8081A_clpestv6.m
Misc. Info : PBOLCSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.28		6947								
12.45	12.38 12.52	78578	2589888	Heptachlor	0.030340	5.056719	1.700000	101.1	50 - 140	
12.71		2345								
12.94		1197								
13.03		352								
13.18	13.11 13.25	51184	2391920	Aldrin	0.021398	3.566382	1.700000	71.3	45 - 140	
13.57		5586								
13.66		1755								
13.85		423								
13.91		6638								
13.97		49625								
14.14		549								
14.33		320								
14.40		478								
14.62	14.56 14.70	66286	2235460	Heptachlor Epoxide	0.029652	4.941936	1.700000	98.8	65 - 130	
14.75		1114								
14.91	14.84 14.98	58854	2245768	gamma-Chlordane	0.026206	4.367698	1.700000	87.4	65 - 125	
15.09		405								
15.22	15.15 15.29	55172	1924148	alpha-Chlordane	0.028673	4.778913	1.700000	95.6	65 - 120	
15.41	15.34 15.48	135808	2012896	4,4'-DDE	0.067469	11.24483	3.300000	90.0	70 - 125	
15.52	15.45 15.59	51139	2067970	Endosulfan I	0.024729	4.121433	1.700000	82.4	15 - 135	
15.71		498								
15.78		6112								
15.86		2467								
16.06	15.99 16.13	146171	2037205	Dieldrin	0.071751	11.95846	3.300000	95.7	65 - 125	
16.58	16.51 16.65	110746	1695798	Endrin	0.065306	10.88436	3.300000	87.1	60 - 135	
16.73	16.66 16.80	104410	1534440	4,4'-DDD	0.068044	11.34073	3.300000	90.7	30 - 135	
17.08	17.01 17.15	116471	1759840	Endosulfan II	0.066182	11.03036	3.300000	88.2	35 - 140	
17.23		1600								
17.34	17.27 17.41	105434	1722489	4,4'-DDT	0.061210	10.20171	3.300000	81.6	45 - 140	
17.54		376								
17.67		1786								
17.78		303								
17.91		3859								
18.00	17.93 18.07	49392	1371845	Endrin Aldehyde	0.036004	6.000678	3.300000	48.0	35 - 145	
18.09		5238								
18.40	18.33 18.47	51020	731447	Methoxychlor	0.069752	11.62536	17.00000	93.0	55 - 145	J

CompuChem

Lab Smp Id : 0051919-BSD1 Client Smp Id : PBOLCSD
Sample Type : LCSD Sublist : DODPEST
Inj Date : 02-JUN-2010 00:04 Inst ID :
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a.b/8081A_clpestv6.m
Misc. Info : PBOLCSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

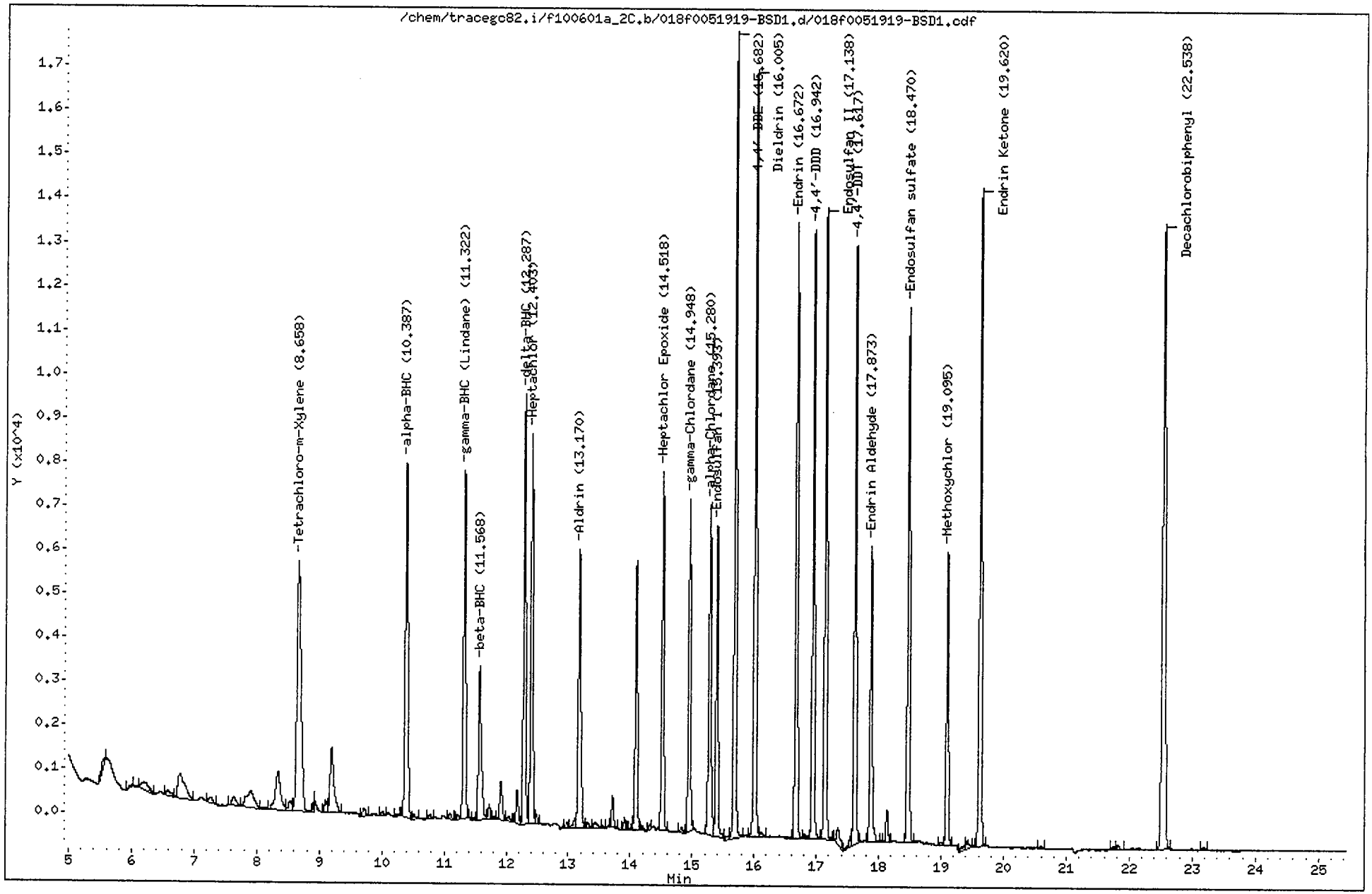
DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
18.96	18.89 19.03	97091	1574194	Endosulfan sulfate	0.061676	10.27934	3.300000	82.2	60 - 135	
19.23		1686								
19.41		309								
19.56	19.49 19.63	127633	1849761	Endrin Ketone	0.068999	11.49986	3.300000	92.0	65 - 135	
19.93		451								
20.11		750								
21.37		948								
21.86	21.79 21.93	151533	1622138	Decachlorobiphenyl	0.093416	15.56926		77.8	55 - 130	
22.35		882								
22.66		724								

Data File: /chem/tracegc82.i/f100601a_2C.b/018f0051919-BSD1.d
Date : 02-JUN-2010 00:04
Client ID: PBOLCSD
Sample Info: 0051919-BSD1
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc82.i

Operator: BWL
Column diameter: 0.32



CompuChem

Lab Smp Id : 0051919-BSD1 Client Smp Id : PBOLCSD
Sample Type : LCSD Sublist : DODPEST
Inj Date : 02-JUN-2010 00:04 Inst ID : TRACEGC82
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a_2C.b/8081A_clpest2v6.m
Misc. Info : PBOLCSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.35			300								
1.51			23578								
2.08			315659								
2.12			401734								
3.13			802								
3.52			72837								
4.37			319								
4.85			1386								
5.58			850								
5.99			179								
6.21			1348								
6.57			624								
6.77			4249								
7.26			557								
7.63			1010								
7.91			3208								
8.34			5224								
8.53			866								
8.66	8.59	8.73	26275	548876	Tetrachloro-m-Xylene	0.047869	7.978123		79.8	70 - 125	
8.93			483								
9.10			771								
9.19			6240								
9.71			677								
10.02			206								
10.24			142								
10.39	10.32	10.46	23957	916452	alpha-BHC	0.026141	4.356836	1.700000	87.1	60 - 125	
10.52			280								
10.78			246								
11.10			329								
11.22			256								
11.32	11.25	11.39	20359	866882	gamma-BHC (Lindane)	0.023485	3.914218	1.700000	78.3	60 - 125	
11.48			128								
11.57	11.50	11.64	10939	347428	beta-BHC	0.031486	5.247618	0.851000	105.0	60 - 125	
11.73			792								
11.91			2677								
12.04			372								
12.18			1970								

6/2/10

CompuChem

Lab Smp Id : 0051919-BSD1 Client Smp Id : PBOLCSD
Sample Type : LCSD Sublist : DODPEST
Inj Date : 02-JUN-2010 00:04 Inst ID :
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a_2C.b/8081A_clpest2v6.m
Misc. Info : PBOLCSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.29	12.22 12.36	22911	827595	delta-BHC	0.027684	4.613972	1.700000	92.3	55 - 130	
12.40	12.33 12.47	21789	778205	Heptachlor	0.027998	4.666293	1.700000	93.3	50 - 140	
12.48		468								
12.97		328								
13.10		708								
13.17	13.10 13.24	17795	726628	Aldrin	0.024488	4.081413	1.700000	81.6	45 - 140	
13.31		413								
13.44		602								
13.56		130								
13.71		1706								
13.91		619								
14.03		290								
14.09		14718								
14.20		251								
14.32		220								
14.52	14.45 14.59	18861	683115	Heptachlor Epoxide	0.027610	4.601714	1.700000	92.0	65 - 130	
14.82		322								
14.95	14.88 15.02	17645	690205	gamma-Chlordane	0.025565	4.260811	1.700000	85.2	65 - 125	
15.28	15.21 15.35	19546	595455	alpha-Chlordane	0.032824	5.470607	1.700000	109.4	65 - 120	
15.39	15.33 15.47	17215	638725	Endosulfan I	0.026951	4.491761	1.700000	89.8	15 - 135	
15.58		288								
15.68	15.61 15.75	40390	617325	4,4'-DDE	0.065426	10.90430	3.300000	87.2	70 - 125	
16.00	15.94 16.08	40566	598394	Dieldrin	0.067791	11.29858	3.300000	90.4	65 - 125	
16.12		270								
16.67	16.60 16.74	33464	524785	Endrin	0.063765	10.62753	3.300000	85.0	60 - 135	
16.81		270								
16.94	16.87 17.01	30763	454222	4,4'-DDD	0.067725	11.28742	3.300000	90.3	30 - 135	
17.14	17.07 17.21	34138	526756	Endosulfan II	0.064808	10.80133	3.300000	86.4	35 - 140	
17.34		1552								
17.55		789								
17.62	17.55 17.69	30815	503765	4,4'-DDT	0.061169	10.19490	3.300000	81.6	45 - 140	
17.87	17.81 17.95	16658	425754	Endrin Aldehyde	0.039126	6.520984	3.300000	52.2	35 - 145	
18.13		1748								
18.47	18.40 18.54	29182	479624	Endosulfan sulfate	0.060841	10.14024	3.300000	81.1	60 - 135	
19.00		182								
19.10	19.03 19.17	15301	208391	Methoxychlor	0.073420	12.23661	17.00000	97.9	55 - 145	J
19.39		445								

CompuChem

Lab Smp Id : 0051919-BSD1 Client Smp Id : PBOLCSD
Sample Type : LCSD Sublist : DODPEST
Inj Date : 02-JUN-2010 00:04 Inst ID :
Operator : BWL Spike Sublist : DODSoil
Method : /chem/tracegc82.i/f100601a_2C.b/8081A_clpest2v6.m
Misc. Info : PBOLCSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
19.43		489								
19.62	19.55 19.69	36846	535815	Endrin Ketone	0.068766	11.46105	3.300000	91.7	65 - 135	
20.60		175								
21.75		203								
21.82		283								
22.54	22.47 22.61	45650	497254	Decachlorobiphenyl	0.091804	15.30068		76.5	55 - 130	
23.18		185								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PCNLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 0052510-BS1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	3.8	
319-85-7	beta-BHC	3.9	
319-84-6	alpha-BHC	4.3	
319-86-8	delta-BHC	4.4	
58-89-9	gamma-BHC (Lindane)	4.0	
72-54-8	4,4'-DDD	10	
72-55-9	4,4'-DDE	10	
50-29-3	4,4'-DDT	9.4	
60-57-1	Dieldrin	11	
959-98-8	Endosulfan I	4.0	
33213-65-9	Endosulfan II	10	
1031-07-8	Endosulfan sulfate	9.8	
72-20-8	Endrin	10	
7421-93-4	Endrin Aldehyde	4.8	
76-44-8	Heptachlor	4.7	
1024-57-3	Heptachlor Epoxide	4.6	
72-43-5	Methoxychlor	11	J
8001-35-2	Toxaphene	83	U
53494-70-5	Endrin Ketone	11	
5103-74-2	gamma-Chlordane	4.1	
5103-71-9	alpha-Chlordane	4.5	

Data File: /chem/tracegc84.i/j100528u.b/216j0052510-BS1.d

Date : 05-JUN-2010 00:04

Client ID: PCNLCS

Instrument: tracegc84.i

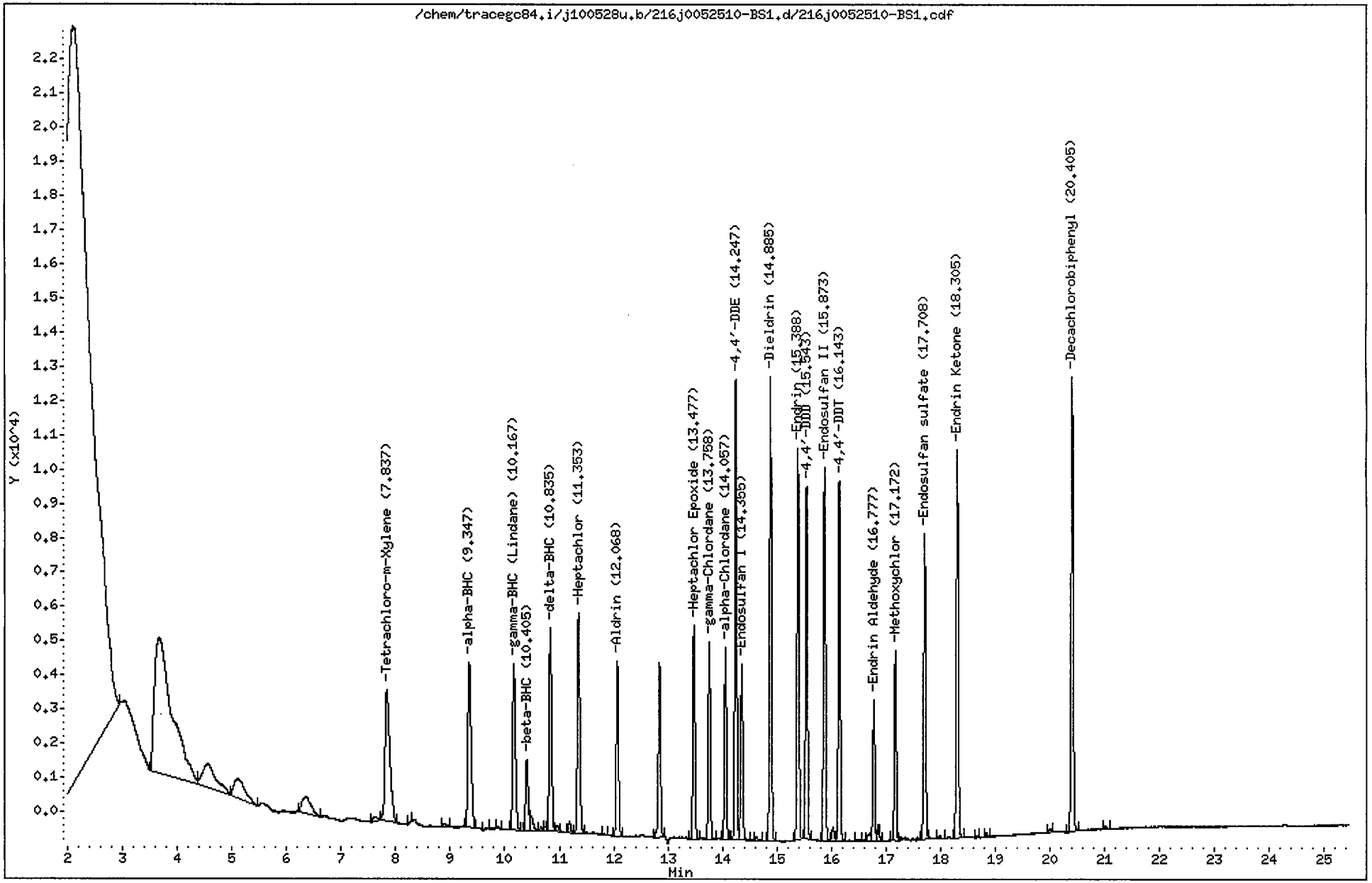
Sample Info: 0052510-BS1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0052510-BS1 Client Smp Id : PCNLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 05-JUN-2010 00:04 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528u.b/8081A_clpestv6.m
Misc. Info : PCNLCS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.48			19101								
1.56			7851								
2.11			777853								
3.66			88314								
4.56			12267								
5.11			8224								
6.35			5726								
7.62			647								
7.84	7.77	7.91	23583	522758	Tetrachloro-m-Xylene	0.045111	7.518464		75.2	70 - 125	
8.29			140								
8.89			404								
9.35	9.29	9.43	19963	775960	alpha-BHC	0.025727	4.287807	1.700000	85.8	60 - 125	
9.66			150								
9.89			181								
10.17	10.11	10.25	17421	729192	gamma-BHC (Lindane)	0.023889	3.981573	1.700000	79.6	60 - 125	
10.40	10.34	10.48	6976	300532	beta-BHC	0.023209	3.868134	1.700000	77.4	60 - 125	
10.49			1716								
10.67			286								
10.74			389								
10.84	10.77	10.91	18391	689518	delta-BHC	0.026671	4.445137	1.700000	88.9	55 - 130	
10.96			559								
11.18			976								
11.35	11.29	11.43	19594	695465	Heptachlor	0.028173	4.695420	1.700000	93.9	50 - 140	
11.83			146								
12.07	12.01	12.15	14463	636570	Aldrin	0.022720	3.786701	1.700000	75.7	45 - 140	
12.84			14256								
13.48	13.42	13.56	16470	593700	Heptachlor Epoxide	0.027741	4.623547	1.700000	92.5	65 - 130	
13.76	13.70	13.84	14646	594875	gamma-Chlordane	0.024619	4.103103	1.700000	82.1	65 - 125	
14.06	14.00	14.14	13906	516712	alpha-Chlordane	0.026912	4.485409	1.700000	89.7	65 - 120	
14.25	14.19	14.33	32422	523741	4,4'-DDE	0.061903	10.31712	3.300000	82.5	70 - 125	
14.36	14.29	14.43	13271	548162	Endosulfan I	0.024208	4.034692	1.700000	80.7	15 - 135	
14.62			345								
14.88	14.82	14.96	33660	515556	Dieldrin	0.065287	10.88113	3.300000	87.0	65 - 125	
15.39	15.33	15.47	28749	463071	Endrin	0.062081	10.34686	3.300000	82.8	60 - 135	
15.54	15.48	15.62	24567	393458	4,4'-DDD	0.062436	10.40604	3.300000	83.2	30 - 135	
15.87	15.81	15.95	27809	450326	Endosulfan II	0.061751	10.29180	3.300000	82.3	35 - 140	
16.03			1145								

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CompuChem

Lab Smp Id : 0052510-BS1 Client Smp Id : PCNLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 05-JUN-2010 00:04 Inst ID :
Operator : AHW Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528u.b/8081A_clpestv6.m
Misc. Info : PCNLCS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
16.14	16.08 16.22	25530	454781	4,4'-DDT	0.056135	9.355780	3.300000	74.8	45 - 140	
16.46		166								
16.70		776								
16.78	16.71 16.85	10126	348470	Endrin Aldehyde	0.029058	4.843076	3.300000	38.7	35 - 145	
16.86		1208								
17.17	17.11 17.25	13190	194359	Methoxychlor	0.067859	11.30983	17.00000	90.5	55 - 145	J
17.71	17.65 17.79	22939	392055	Endosulfan sulfate	0.058507	9.751183	3.300000	78.0	60 - 135	
17.98		305								
18.30	18.24 18.38	29522	457258	Endrin Ketone	0.064561	10.76017	3.300000	86.1	65 - 135	
18.67		188								
18.84		327								
20.00		281								
20.40	20.33 20.47	34354	408350	Decachlorobiphenyl	0.084126	14.02106		70.1	55 - 130	
21.02		287								

Data File: /chem/tracegc84.i/j100528u_2C.b/216j0052510-BS1.d

Date : 05-JUN-2010 00:04

Client ID: PCNLCS

Sample Info: 0052510-BS1

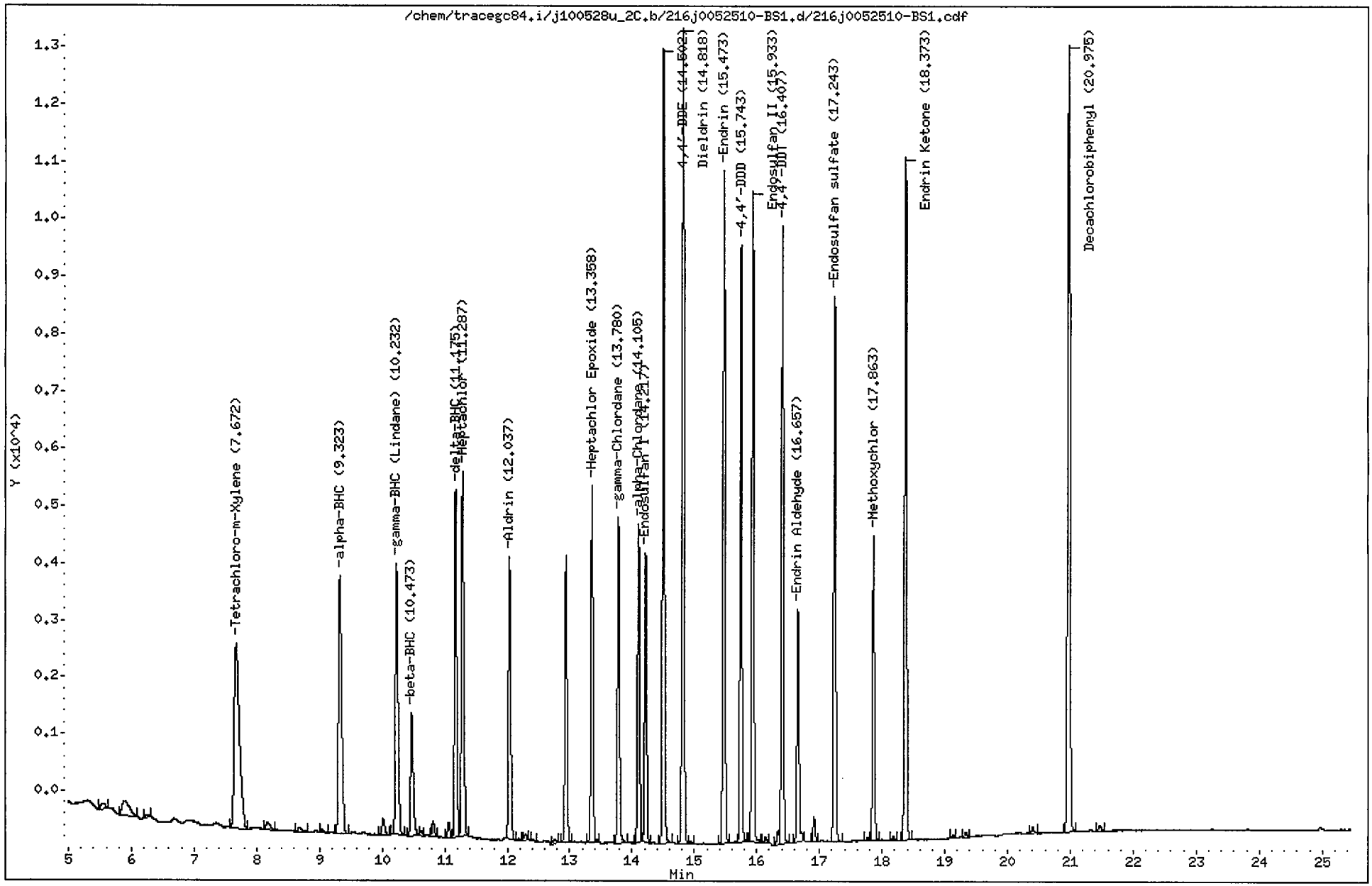
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0052510-BS1 Client Smp Id : PCNLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 05-JUN-2010 00:04 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528u_2C.b/8081A_clpest2v6.m
Misc. Info : PCNLCS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.91			45478								
3.02			49263								
4.13			222								
4.79			189								
5.55			478								
5.89			2049								
6.24			179								
7.67	7.61	7.75	18776	416798	Tetrachloro-m-Xylene	0.045048	7.508042		75.1	70 - 125	
8.17			574								
8.68			399								
9.05			214								
9.32	9.26	9.40	15951	607758	alpha-BHC	0.026244	4.374003	1.700000	87.5	60 - 125	
10.02			879								
10.23	10.17	10.31	13934	585542	gamma-BHC (Lindane)	0.023795	3.965838	1.700000	79.3	60 - 125	
10.47	10.41	10.55	6361	248610	beta-BHC	0.025582	4.263706	1.700000	85.3	60 - 125	
10.62			193								
10.81			789								
11.06			677								
11.18	11.11	11.25	15254	551235	delta-BHC	0.027672	4.612068	1.700000	92.2	55 - 130	
11.29	11.22	11.36	16700	579497	Heptachlor	0.028816	4.802726	1.700000	96.1	50 - 140	
12.04	11.97	12.11	12402	542192	Aldrin	0.022872	3.811992	1.700000	76.2	45 - 140	
12.19			99								
12.29			310								
12.41			92								
12.76			243								
12.94			11965								
13.36	13.29	13.43	14285	511912	Heptachlor Epoxide	0.027905	4.650860	1.700000	93.0	65 - 130	
13.78	13.71	13.85	13214	513150	gamma-Chlordane	0.025749	4.291468	1.700000	85.8	65 - 125	
14.10	14.04	14.18	12633	446248	alpha-Chlordane	0.028307	4.717860	1.700000	94.4	65 - 120	
14.22	14.15	14.29	11437	477982	Endosulfan I	0.023928	3.987942	1.700000	79.8	15 - 135	
14.50	14.43	14.57	29978	468602	4,4'-DDE	0.063971	10.66184	3.300000	85.3	70 - 125	
14.82	14.75	14.89	31611	461929	Dieldrin	0.068433	11.40544	3.300000	91.2	65 - 125	
14.93			96								
15.47	15.40	15.54	26474	408649	Endrin	0.064784	10.79737	3.300000	86.4	60 - 135	
15.74	15.67	15.81	22317	340626	4,4'-DDD	0.065515	10.91910	3.300000	87.4	30 - 135	
15.93	15.86	16.00	25819	404930	Endosulfan II	0.063762	10.62694	3.300000	85.0	35 - 140	
16.14			213								

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CompuChem

Lab Smp Id : 0052510-BS1 Client Smp Id : PCNLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 05-JUN-2010 00:04 Inst ID :
Operator : AHW Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528u_2C.b/8081A_clpest2v6.m
Misc. Info : PCNLCS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
16.34		569								
16.41	16.33 16.47	23249	405929	4,4'-DDT	0.057274	9.545600	3.300000	76.4	45 - 140	
16.66	16.59 16.73	9679	316985	Endrin Aldehyde	0.030535	5.089095	3.300000	40.7	35 - 145	
16.91		1022								
17.24	17.17 17.31	21786	366674	Endosulfan sulfate	0.059412	9.902081	3.300000	79.2	60 - 135	
17.77		113								
17.86	17.79 17.93	11711	182916	Methoxychlor	0.064024	10.67067	17.00000	85.4	55 - 145	J
18.18		155								
18.37	18.30 18.44	27558	419519	Endrin Ketone	0.065690	10.94826	3.300000	87.6	65 - 135	
19.13		121								
19.34		219								
20.40		264								
20.98	20.90 21.04	35374	406698	Decachlorobiphenyl	0.086976	14.49603		72.5	55 - 130	
21.47		272								

c. Matrix Spike Data

- Tabulated Results (Form I)

- Chromatograms and data system printout(s)

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB44-5-6MS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 0052510-MS1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	4.5	
319-85-7	beta-BHC	4.4	
319-84-6	alpha-BHC	4.9	
319-86-8	delta-BHC	5.4	
58-89-9	gamma-BHC (Lindane)	4.6	
72-54-8	4,4'-DDD	13	
72-55-9	4,4'-DDE	13	
50-29-3	4,4'-DDT	12	
60-57-1	Dieldrin	13	
959-98-8	Endosulfan I	4.9	
33213-65-9	Endosulfan II	13	
1031-07-8	Endosulfan sulfate	12	
72-20-8	Endrin	13	
7421-93-4	Endrin Aldehyde	5.9	
76-44-8	Heptachlor	5.4	
1024-57-3	Heptachlor Epoxide	5.6	
72-43-5	Methoxychlor	13	J
8001-35-2	Toxaphene	98	U
53494-70-5	Endrin Ketone	13	
5103-74-2	gamma-Chlordane	5.0	
5103-71-9	alpha-Chlordane	5.1	

Data File: /chem/tracegc84.i/j100528u.b/217j0052510-MS1.d

Date : 05-JUN-2010 00:33

Client ID: SB44-5-6MS

Instrument: tracegc84.i

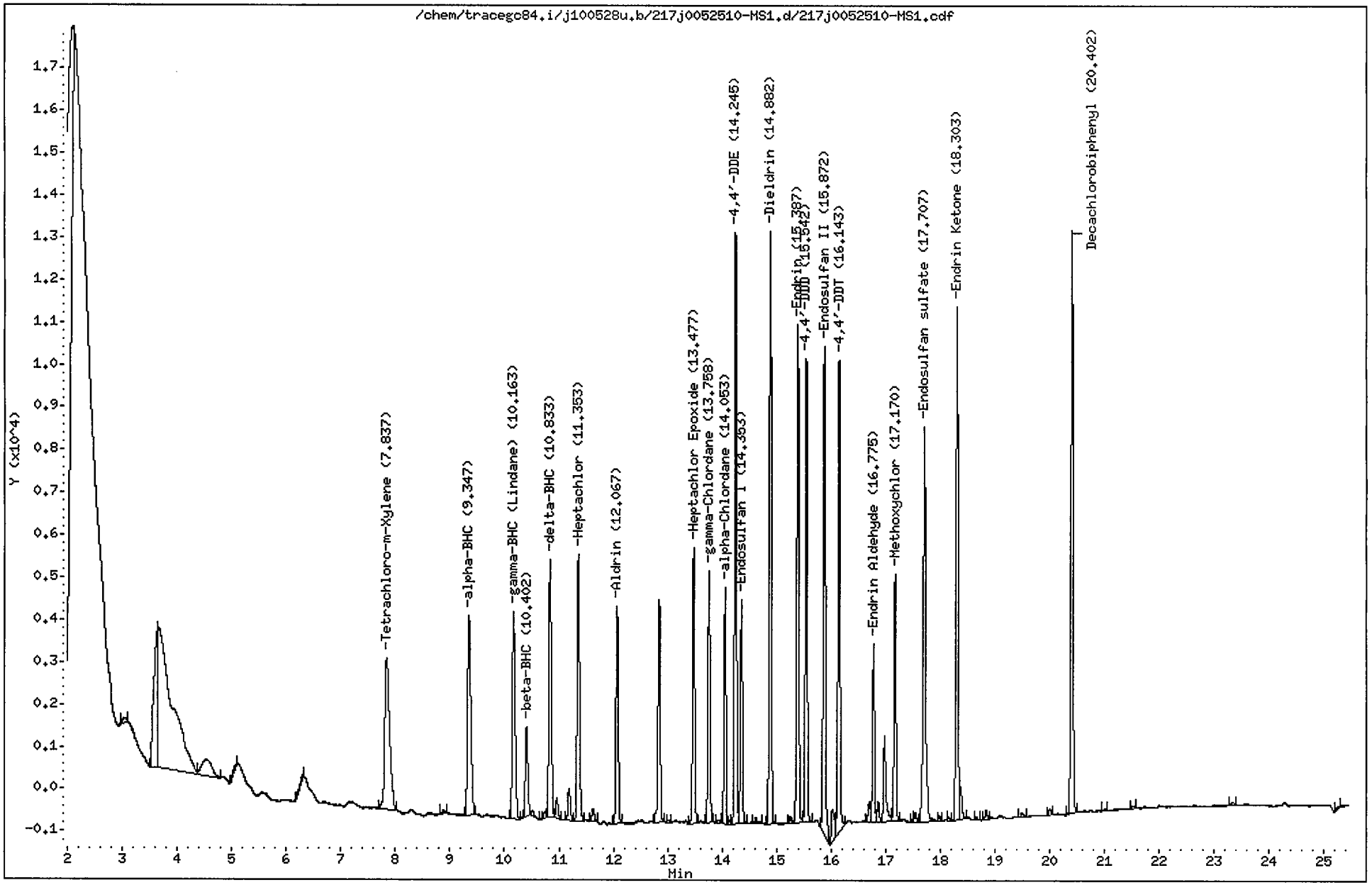
Sample Info: 0052510-MS1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0052510-MS1 Client Smp Id : SB44-5-6MS
Sample Type : MS Sublist : DODPEST
Inj Date : 05-JUN-2010 00:33 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528u.b/8081A_clpestv6.m
Misc. Info : SB44-5-6MS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.48			8502								
1.68			294								
2.09			30834								
3.03			497								
3.65			16635								
3.68			58438								
4.53			5075								
5.09			435								
6.29			439								
7.84	7.77	7.91	22481	522758	Tetrachloro-m-Xylene	0.043005	8.432283		71.7	70 - 125	
8.88			200								
9.35	9.29	9.43	19563	775960	alpha-BHC	0.025210	4.943149	2.000000	84.0	60 - 125	
10.16	10.11	10.25	17545	729192	gamma-BHC (Lindane)	0.024059	4.717547	2.000000	80.2	60 - 125	
10.40	10.34	10.48	6789	300532	beta-BHC	0.022587	4.428740	2.000000	75.3	60 - 125	
10.52			387								
10.74			367								
10.83	10.77	10.91	18924	689518	delta-BHC	0.027445	5.381427	2.000000	91.5	55 - 130	
10.96			1313								
11.19			2286								
11.35	11.29	11.43	19310	695465	Heptachlor	0.027764	5.443953	2.000000	92.5	50 - 140	
11.63			985								
12.07	12.01	12.15	14523	636570	Aldrin	0.022813	4.473115	2.000000	76.0	45 - 140	
12.84			14746								
13.01			161								
13.48	13.42	13.56	16940	593700	Heptachlor Epoxide	0.028531	5.594362	2.000000	95.1	65 - 130	
13.76	13.70	13.84	15142	594875	gamma-Chlordane	0.025454	4.990997	2.000000	84.8	65 - 125	
13.93			254								
14.05	14.00	14.14	13420	516712	alpha-Chlordane	0.025970	5.092148	2.000000	86.6	65 - 120	
14.13			243								
14.24	14.19	14.33	33967	523741	4,4'-DDE	0.064853	12.71620	3.882353	86.5	70 - 125	
14.35	14.29	14.43	13652	548162	Endosulfan I	0.024905	4.883338	2.000000	83.0	15 - 135	
14.62			365								
14.88	14.82	14.96	35391	515556	Dieldrin	0.068644	13.45967	3.882353	91.5	65 - 125	
15.24			530								
15.39	15.33	15.47	30137	463071	Endrin	0.065079	12.76050	3.882353	86.8	60 - 135	
15.54	15.48	15.62	26236	393458	4,4'-DDD	0.066681	13.07464	3.882353	88.9	30 - 135	
15.87	15.81	15.95	31260	450326	Endosulfan II	0.069416	13.61105	3.882353	92.6	35 - 140	

6/9/10

CompuChem

Lab Smp Id : 0052510-MS1 Client Smp Id : SB44-5-6MS
Sample Type : MS Sublist : DODPEST
Inj Date : 05-JUN-2010 00:33 Inst ID :
Operator : AHW Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528u.b/8081A_clpestv6.m
Misc. Info : SB44-5-6MS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
16.03		3183								
16.14	16.08 16.22	28389	454781	4,4'-DDT	0.062423	12.23989	3.882353	83.2	45 - 140	
16.70		1401								
16.78	16.71 16.85	10474	348470	Endrin Aldehyde	0.030057	5.893550	3.882353	40.1	35 - 145	
16.86		1213								
16.98		6570								
17.17	17.11 17.25	14173	194359	Methoxychlor	0.072922	14.29838	20.00000	97.2	55 - 145	J
17.49		156								
17.54		717								
17.71	17.65 17.79	28855	392055	Endosulfan sulfate	0.073599	14.43125	3.882353	98.1	60 - 135	
17.99		346								
18.16		226								
18.30	18.24 18.38	31097	457258	Endrin Ketone	0.068008	13.33483	3.882353	90.7	65 - 135	
18.37		1978								
18.66		215								
18.84		612								
19.49		329								
20.00		379								
20.40	20.33 20.47	35689	408350	Decachlorobiphenyl	0.087396	17.13640		72.8	55 - 130	
21.01		134								
21.52		182								
23.35		307								
25.28		146								

Data File: /chem/tracegc84.i/j100528u_2C.b/217j0052510-MS1.d

Date : 05-JUN-2010 00:33

Client ID: SB44-5-6MS

Instrument: tracegc84.i

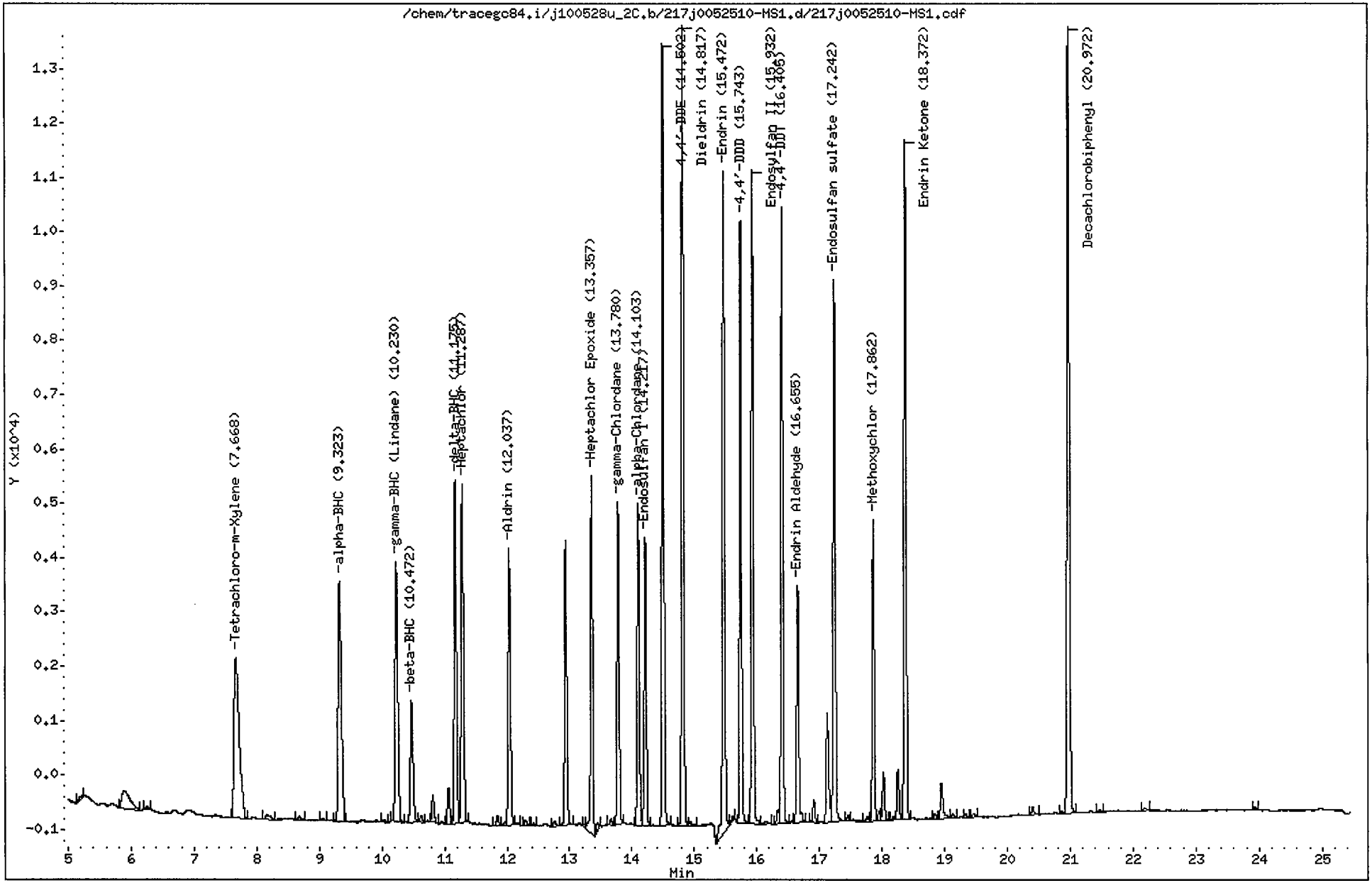
Sample Info: 0052510-MS1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0052510-MS1 Client Smp Id : SB44-5-6MS
Sample Type : MS Sublist : DODPEST
Inj Date : 05-JUN-2010 00:33 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528u_2C.b/8081A_clpest2v6.m
Misc. Info : SB44-5-6MS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.91			561459								
3.02			69616								
4.30			1799								
4.79			202								
5.22			186								
5.89			2976								
6.23			187								
7.67	7.61	7.75	17136	416798	Tetrachloro-m-Xylene	0.041113	8.061469		68.5*	70 - 125	R
8.17			472								
8.67			270								
9.05			114								
9.32	9.26	9.40	15500	607758	alpha-BHC	0.025502	5.000382	2.000000	85.0	60 - 125	
10.03			166								
10.23	10.17	10.31	13854	585542	gamma-BHC (Lindane)	0.023658	4.638902	2.000000	78.9	60 - 125	
10.47	10.41	10.55	6595	248610	beta-BHC	0.026527	5.201469	2.000000	88.4	60 - 125	
10.62			318								
10.81			1324								
11.06			1650								
11.18	11.11	11.25	16027	551235	delta-BHC	0.029073	5.700569	2.000000	96.9	55 - 130	
11.29	11.22	11.36	16423	579497	Heptachlor	0.028340	5.556879	2.000000	94.5	50 - 140	
11.85			450								
11.96			191								
12.04	11.97	12.11	12728	542192	Aldrin	0.023473	4.602591	2.000000	78.2	45 - 140	
12.14			120								
12.29			292								
12.42			113								
12.76			282								
12.94			12537								
13.23			155								
13.36	13.29	13.43	14837	511912	Heptachlor Epoxide	0.028982	5.682650	2.000000	96.6	65 - 130	
13.45			510								
13.66			270								
13.78	13.71	13.85	13505	513150	gamma-Chlordane	0.026318	5.160361	2.000000	87.7	65 - 125	
14.10	14.04	14.18	13315	446248	alpha-Chlordane	0.029838	5.850530	2.000000	99.5	65 - 120	
14.22	14.15	14.29	12386	477982	Endosulfan I	0.025913	5.080997	2.000000	86.4	15 - 135	
14.50	14.43	14.57	31258	468602	4,4'-DDE	0.066703	13.07894	3.882353	88.9	70 - 125	
14.82	14.75	14.89	32913	461929	Dieldrin	0.071249	13.97041	3.882353	95.0	65 - 125	

Jeff 6/9/10

CompuChem

Lab Smp Id : 0052510-MS1 Client Smp Id : SB44-5-6MS
Sample Type : MS Sublist : DODPEST
Inj Date : 05-JUN-2010 00:33 Inst ID :
Operator : AHW Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528u_2C.b/8081A_clpest2v6.m
Misc. Info : SB44-5-6MS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
14.94		258								
15.47	15.40 15.54	29014	408649	Endrin	0.070997	13.92106	3.882353	94.7	60 - 135	
15.62		214								
15.74	15.67 15.81	23618	340626	4,4'-DDD	0.069334	13.59491	3.882353	92.4	30 - 135	
15.93	15.86 16.00	27125	404930	Endosulfan II	0.066987	13.13468	3.882353	89.3	35 - 140	
16.14		231								
16.34		606								
16.40	16.33 16.47	24508	405929	4,4'-DDT	0.060373	11.83778	3.882353	80.5	45 - 140	
16.66	16.59 16.73	10548	316985	Endrin Aldehyde	0.033276	6.524710	3.882353	44.4	35 - 145	
16.91		973								
17.13		5496								
17.24	17.17 17.31	23342	366674	Endosulfan sulfate	0.063656	12.48158	3.882353	84.9	60 - 135	
17.45		246								
17.77		259								
17.86	17.79 17.93	12297	182916	Methoxychlor	0.067228	13.18190	20.00000	89.6	55 - 145	J
17.96		413								
18.02		2120								
18.18		141								
18.25		2184								
18.37	18.30 18.44	29158	419519	Endrin Ketone	0.069503	13.62813	3.882353	92.7	65 - 135	
18.84		251								
18.95		1810								
19.13		156								
19.34		206								
19.46		215								
20.40		411								
20.87		109								
20.97	20.90 21.04	37024	406698	Decachlorobiphenyl	0.091033	17.84966		75.9	55 - 130	
21.47		129								
22.18		177								
23.94		181								

d. Matrix Spike Duplicate Data

- Tabulated Results (Form I)

- Chromatograms and data system printout(s)

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB44-5-6MSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix: (soil/water) SOIL Lab Sample ID: 0052510-MSD1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	4.0	
319-85-7	beta-BHC	4.7	
319-84-6	alpha-BHC	4.7	
319-86-8	delta-BHC	5.3	
58-89-9	gamma-BHC (Lindane)	4.4	
72-54-8	4,4'-DDD	13	
72-55-9	4,4'-DDE	12	
50-29-3	4,4'-DDT	12	
60-57-1	Dieldrin	13	
959-98-8	Endosulfan I	4.5	
33213-65-9	Endosulfan II	12	
1031-07-8	Endosulfan sulfate	12	
72-20-8	Endrin	12	
7421-93-4	Endrin Aldehyde	5.4	
76-44-8	Heptachlor	5.1	
1024-57-3	Heptachlor Epoxide	5.3	
72-43-5	Methoxychlor	13	J
8001-35-2	Toxaphene	98	U
53494-70-5	Endrin Ketone	13	
5103-74-2	gamma-Chlordane	4.7	
5103-71-9	alpha-Chlordane	5.5	

FORM I PEST

Data File: /chem/tracegc84.i/j100528u.b/218j0052510-MSD1.d

Date : 05-JUN-2010 01:02

Client ID: SB44-5-6MSD

Instrument: tracegc84.i

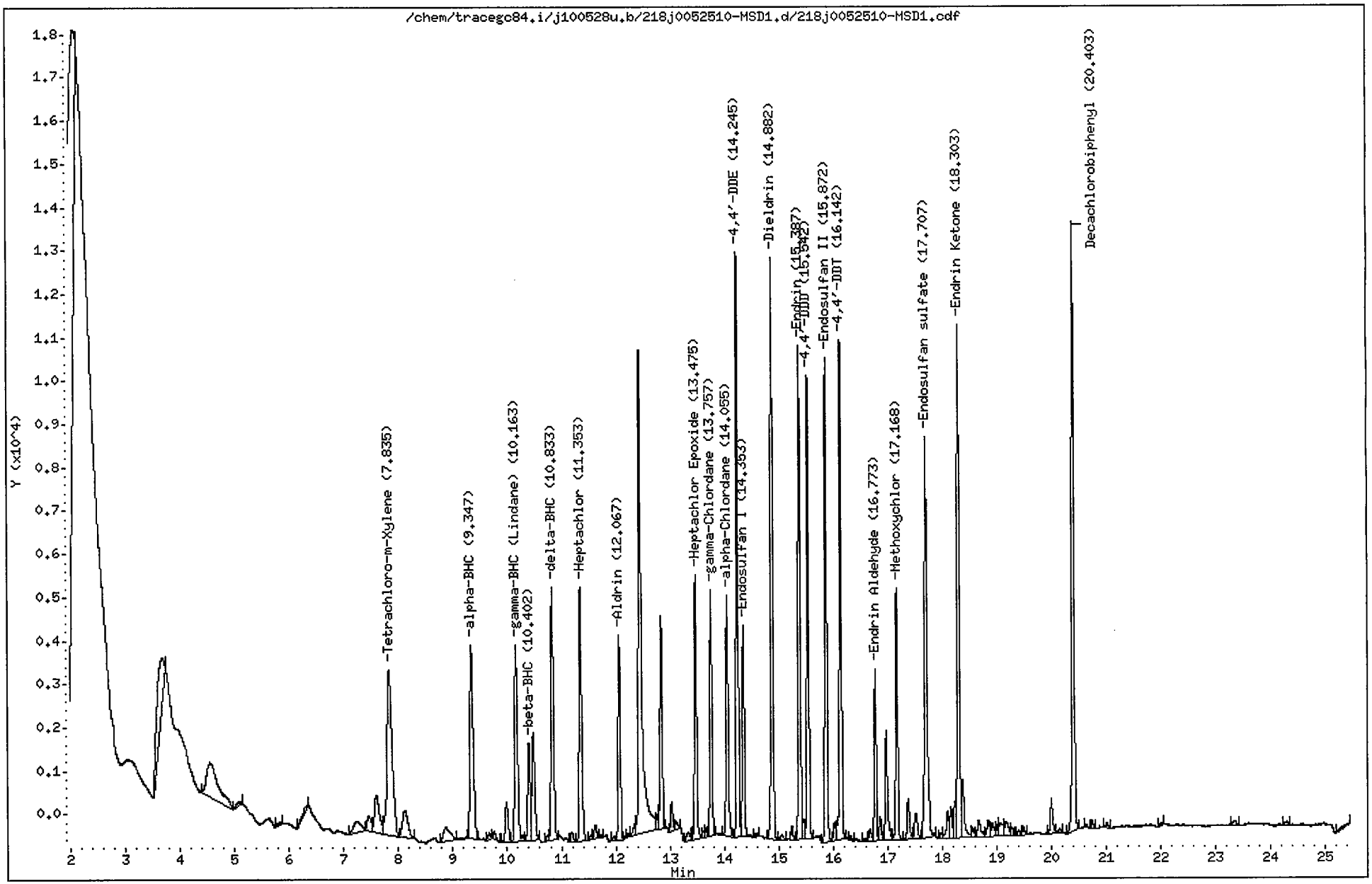
Sample Info: 0052510-MSD1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0052510-MSD1 Client Smp Id : SB44-5-6MSD
Sample Type : MSD Sublist : DODPEST
Inj Date : 05-JUN-2010 01:02 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528u.b/8081A_clpestv6.m
Misc. Info : SB44-5-6MSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.48			13499								
1.63			281								
2.09			41169								
3.67			11044								
4.55			11891								
5.10			491								
5.83			191								
6.33			723								
7.24			2129								
7.46			1761								
7.59			5367								
7.84	7.77	7.91	25259	522758	Tetrachloro-m-Xylene	0.048319	9.474269		80.5	70 - 125	
8.12			4429								
8.88			2687								
9.35	9.29	9.43	18406	775960	alpha-BHC	0.023720	4.651038	2.000000	79.1	60 - 125	
9.67			442								
9.76			571								
9.99			3309								
10.16	10.11	10.25	16529	729192	gamma-BHC (Lindane)	0.022666	4.444347	2.000000	75.6	60 - 125	
10.40	10.34	10.48	7271	300532	beta-BHC	0.024190	4.743215	2.000000	80.6	60 - 125	
10.48			8793								
10.73			338								
10.83	10.77	10.91	18578	689518	delta-BHC	0.026942	5.282751	2.000000	89.8	55 - 130	
11.19			769								
11.35	11.29	11.43	18425	695465	Heptachlor	0.026492	5.194437	2.000000	88.3	50 - 140	
11.54			300								
11.62			1095								
11.72			178								
11.96			267								
12.07	12.01	12.15	13137	636570	Aldrin	0.020636	4.046195	2.000000	68.8	45 - 140	
12.22			226								
12.36			952								
12.45			45297								
12.78			823								
12.84			13558								
13.03			1790								
13.11			543								

CompuChem

Lab Smp Id : 0052510-MSD1 Client Smp Id : SB44-5-6MSD
Sample Type : MSD Sublist : DODPEST
Inj Date : 05-JUN-2010 01:02 Inst ID :
Operator : AHW Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528u.b/8081A_clpestv6.m
Misc. Info : SB44-5-6MSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
13.34		888								
13.41		227								
13.48	13.42 13.56	16120	593700	Heptachlor Epoxide	0.027150	5.323544	2.000000	90.5	65 - 130	
13.61		388								
13.66		411								
13.76	13.70 13.84	14389	594875	gamma-Chlordane	0.024187	4.742469	2.000000	80.6	65 - 125	
14.06	14.00 14.14	14942	516712	alpha-Chlordane	0.028917	5.670085	2.000000	96.4	65 - 120	
14.24	14.19 14.33	32479	523741	4,4'-DDE	0.062012	12.15912	3.882353	82.7	70 - 125	
14.35	14.29 14.43	12475	548162	Endosulfan I	0.022756	4.461966	2.000000	75.9	15 - 135	
14.57		311								
14.88	14.82 14.96	34196	515556	Dieldrin	0.066328	13.00556	3.882353	88.4	65 - 125	
15.05		489								
15.24		748								
15.39	15.33 15.47	29071	463071	Endrin	0.062777	12.30912	3.882353	83.7	60 - 135	
15.46		1114								
15.54	15.48 15.62	25675	393458	4,4'-DDD	0.065255	12.79506	3.882353	87.0	30 - 135	
15.87	15.81 15.95	28502	450326	Endosulfan II	0.063292	12.41017	3.882353	84.4	35 - 140	
16.03		1091								
16.14	16.08 16.22	28922	454781	4,4'-DDT	0.063595	12.46969	3.882353	84.8	45 - 140	
16.32		268								
16.58		235								
16.67		872								
16.77	16.71 16.85	9633	348470	Endrin Aldehyde	0.027644	5.420333	3.882353	36.9	35 - 145	
16.86		1446								
16.97		7365								
17.17	17.11 17.25	14338	194359	Methoxychlor	0.073766	14.46383	20.00000	98.4	55 - 145	J
17.37		2766								
17.52		2170								
17.71	17.65 17.79	28497	392055	Endosulfan sulfate	0.072684	14.25170	3.882353	96.9	60 - 135	
17.98		362								
18.09		1924								
18.16		1980								
18.23		2247								
18.30	18.24 18.38	31314	457258	Endrin Ketone	0.068480	13.42745	3.882353	91.3	65 - 135	
18.37		4254								
18.56		712								
18.66		1690								

CompuChem

Lab Smp Id : 0052510-MSD1 Client Smp Id : SB44-5-6MSD
Sample Type : MSD Sublist : DODPEST
Inj Date : 05-JUN-2010 01:02 Inst ID :
Operator : AHW Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528u.b/8081A_clpestv6.m
Misc. Info : SB44-5-6MSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
18.84		1300								
18.92		1149								
19.02		679								
19.07		1504								
19.17		1404								
19.27		584								
19.40		267								
19.49		518								
20.00		2341								
20.15		298								
20.40	20.33 20.47	37359	408350	Decachlorobiphenyl	0.091485	17.93828		76.2	55 - 130	
20.64		212								
20.74		540								
21.00		313								
22.02		163								
23.33		418								
24.29		317								
25.41		511								

Data File: /chem/tracegc84.i/j100528u_2C.b/218j0052510-MSD1.d

Date : 05-JUN-2010 01:02

Client ID: SB44-5-6MSD

Instrument: tracegc84.i

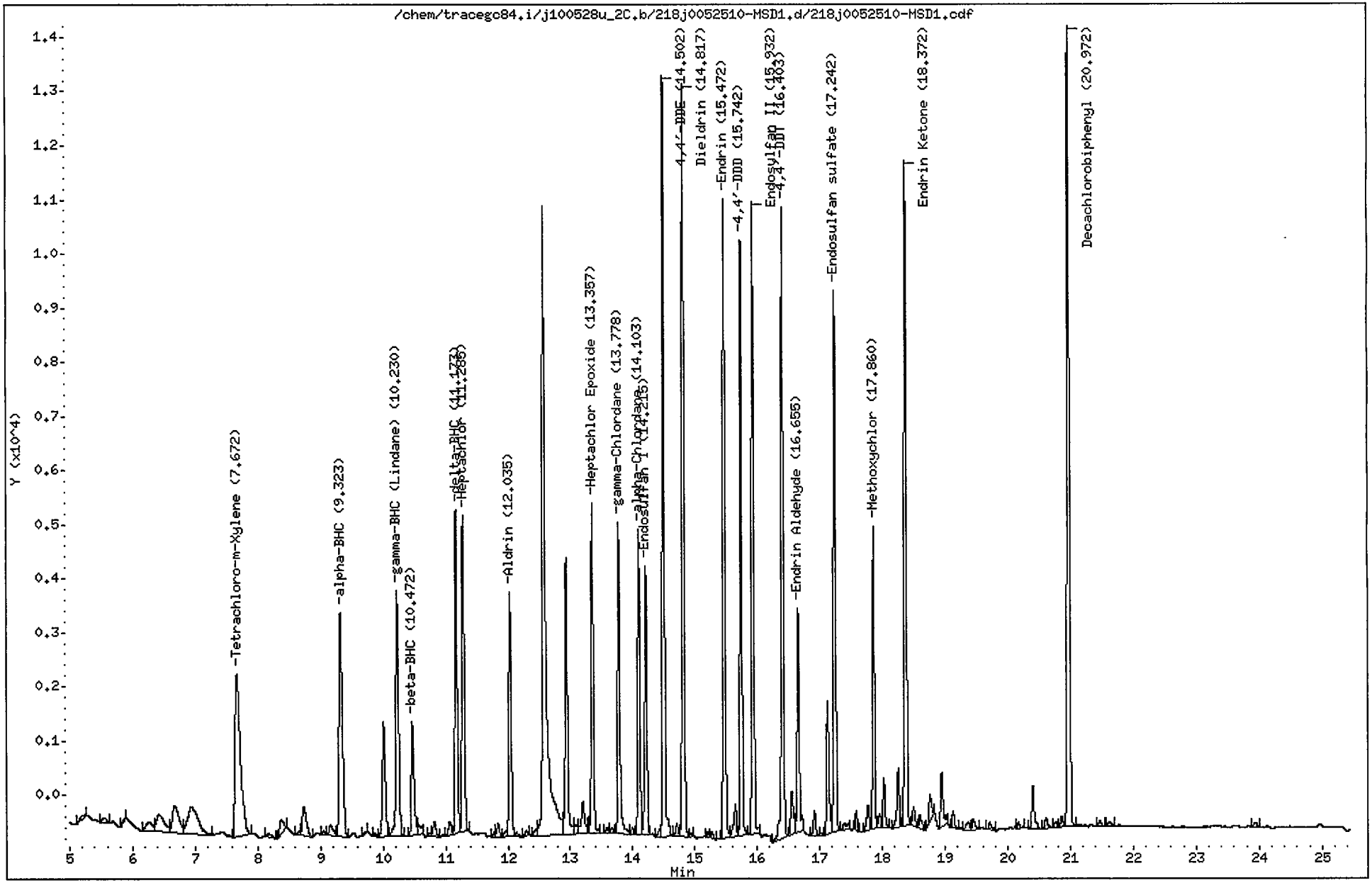
Sample Info: 0052510-MSD1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0052510-MSD1 Client Smp Id : SB44-5-6MSD
Sample Type : MSD Sublist : DODPEST
Inj Date : 05-JUN-2010 01:02 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528u_2C.b/8081A_clpest2v6.m
Misc. Info : SB44-5-6MSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.90			540196								
3.02			76370								
4.17			386								
5.25			345								
5.55			381								
5.88			138								
6.26			1171								
6.41			2941								
6.67			3626								
6.93			5591								
7.67	7.61	7.75	17966	416798	Tetrachloro-m-Xylene	0.043102	8.451464		71.8	70 - 125	
8.16			364								
8.37			1100								
8.66			191								
8.73			2401								
9.05			171								
9.16			837								
9.32	9.26	9.40	14895	607758	alpha-BHC	0.024508	4.805516	2.000000	81.7	60 - 125	
9.72			113								
9.87			169								
10.01			6726								
10.23	10.17	10.31	13756	585542	gamma-BHC (Lindane)	0.023491	4.606086	2.000000	78.3	60 - 125	
10.47	10.41	10.55	6290	248610	beta-BHC	0.025301	4.960916	2.000000	84.3	60 - 125	
10.57			801								
10.74			130								
10.82			858								
11.07			766								
11.17	11.11	11.25	14830	551235	delta-BHC	0.026901	5.274787	2.000000	89.7	55 - 130	
11.28	11.22	11.36	15123	579497	Heptachlor	0.026097	5.117011	2.000000	87.0	50 - 140	
11.78			244								
11.84			692								
11.96			277								
12.04	11.97	12.11	11402	542192	Aldrin	0.021029	4.123418	2.000000	70.1	45 - 140	
12.13			234								
12.29			227								
12.46			339								
12.58			44646								

6/9/10

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Lab Smp Id : 0052510-MSD1 Client Smp Id : SB44-5-6MSD
Sample Type : MSD Sublist : DODPEST
Inj Date : 05-JUN-2010 01:02 Inst ID :
Operator : AHW Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528u_2C.b/8081A_clpest2v6.m
Misc. Info : SB44-5-6MSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.94		13491								
13.10		617								
13.20		2198								
13.29		411								
13.36	13.29 13.43	14202	511912	Heptachlor Epoxide	0.027741	5.439425	2.000000	92.5	65 - 130	
13.59		272								
13.66		253								
13.78	13.71 13.85	13820	513150	gamma-Chlordane	0.026932	5.280725	2.000000	89.8	65 - 125	
13.99		263								
14.10	14.04 14.18	12512	446248	alpha-Chlordane	0.028038	5.497697	2.000000	93.5	65 - 120	
14.22	14.15 14.29	11633	477982	Endosulfan I	0.024338	4.772100	2.000000	81.1	15 - 135	
14.43		356								
14.50	14.43 14.57	31155	468602	4,4'-DDE	0.066483	13.03584	3.882353	88.6	70 - 125	
14.71		643								
14.82	14.75 14.89	31517	461929	Dieldrin	0.068229	13.37826	3.882353	91.0	65 - 125	
14.93		132								
15.21		234								
15.27		286								
15.47	15.40 15.54	26677	408649	Endrin	0.065281	12.80020	3.882353	87.0	60 - 135	
15.65		1844								
15.74	15.67 15.81	23336	340626	4,4'-DDD	0.068509	13.43316	3.882353	91.3	30 - 135	
15.93	15.86 16.00	26483	404930	Endosulfan II	0.065401	12.82381	3.882353	87.2	35 - 140	
16.40	16.33 16.47	26785	405929	4,4'-DDT	0.065984	12.93813	3.882353	88.0	45 - 140	
16.55		2557								
16.66	16.59 16.73	9928	316985	Endrin Aldehyde	0.031317	6.140576	3.882353	41.8	35 - 145	
16.91		1105								
17.02		113								
17.12		6306								
17.24	17.17 17.31	22933	366674	Endosulfan sulfate	0.062543	12.26340	3.882353	83.4	60 - 135	
17.39		533								
17.58		806								
17.77		1341								
17.86	17.79 17.93	11966	182916	Methoxychlor	0.065418	12.82708	20.00000	87.2	55 - 145	J
17.96		664								
18.02		2074								
18.25		2810								
18.37	18.30 18.44	28952	419519	Endrin Ketone	0.069010	13.53138	3.882353	92.0	65 - 135	

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Lab Smp Id : 0052510-MSD1 Client Smp Id : SB44-5-6MSD
Sample Type : MSD Sublist : DODPEST
Inj Date : 05-JUN-2010 01:02 Inst ID :
Operator : AHW Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528u_2C.b/8081A_clpest2v6.m
Misc. Info : SB44-5-6MSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 15(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
18.50		958								
18.60		746								
18.76		1452								
18.95		2629								
19.13		748								
19.34		599								
19.45		635								
19.71		417								
20.17		296								
20.40		2201								
20.61		621								
20.77		260								
20.86		464								
20.97	20.90 21.04	37557	406698	Decachlorobiphenyl	0.092346	18.10711		77.0	55 - 130	
21.47		342								
21.62		270								
23.94		243								

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Liberty Analytical Corp.

7/8/2010

REBEKHA SHAW

CH2M HILL, INC.

5700 CLEVELAND STREET, SUITE 101

VIRGINIA BEACH, VA 23462

Subject:

Report of Data - Project: CTO-094 MCB CAMP LEJEUNE/395307.S. WorkOrder: 1005134

Attn.: REBEKHA SHAW

Enclosed are the results of analytical work performed in accordance with the referenced account number. This report covers sample(s) appearing on the listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097

Sincerely,

Compuchem

a division of Liberty Analytical Corporation

Attachment

TOTAL NUMBER

OF PAGES _____

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

CompuChem, a division of Liberty Analytical

Client: CH2M HILL, INC. **Work:** 1005134

Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM **Sdg:** 1005134

Lab ID	Client ID	Matrix	Date Sampled	Date Received
1005134-01	SS02-0-1	Soil	05/14/2010 09:30	05/14/2010 16:00
1005134-02	SS02D-0-1	Soil	05/14/2010 09:35	05/14/2010 16:00
1005134-03	SB02-5-6	Soil	05/14/2010 09:40	05/14/2010 16:00
1005134-04	SB02D-5-6	Soil	05/14/2010 09:45	05/14/2010 16:00
1005134-05	SB05-7-8	Soil	05/14/2010 08:10	05/14/2010 16:00
1005134-06	SS33-0-1	Soil	05/17/2010 11:50	05/19/2010 09:05
1005134-07	SB33-4-5	Soil	05/17/2010 12:00	05/19/2010 09:05
1005134-08	SB31-5-6	Soil	05/17/2010 12:40	05/19/2010 09:05
1005134-09	SS31-0-1	Soil	05/17/2010 12:25	05/19/2010 09:05
1005134-10	SS32-0-1	Soil	05/18/2010 11:00	05/19/2010 09:05
1005134-11	SS32D-0-1	Soil	05/18/2010 11:05	05/19/2010 09:05
1005134-12	SB32-2.5-3.5	Soil	05/18/2010 11:10	05/19/2010 09:05
1005134-13	SB32D-2.5-3.5	Soil	05/18/2010 11:15	05/19/2010 09:05
1005134-14	SB50-1-2	Soil	05/18/2010 17:50	05/21/2010 16:00
1005134-15	SS12-0-1	Soil	05/19/2010 12:45	05/21/2010 16:00
1005134-16	SB12-2-3	Soil	05/19/2010 12:55	05/21/2010 16:00
1005134-17	SS44-0-1	Soil	05/20/2010 08:10	05/21/2010 16:00
1005134-18	SB44-5-6	Soil	05/20/2010 08:25	05/21/2010 16:00
1005134-19	SS43-0-1	Soil	05/20/2010 10:35	05/21/2010 16:00
1005134-20	SB43-3-4	Soil	05/20/2010 10:45	05/21/2010 16:00

CompuChem, a Division of Liberty Analytical Corporation

I. SAMPLE DATA SUMMARY PACKAGE

GC/MS by SW-846

Modified For Selected Ion Monitoring (SIM)

The sample data summary package shall contain data for all samples in one Sample Delivery Group (SDG) of the Case, as follows:

A. SDG Narrative

B. Tabulated target compound results (Form I)

C. Surrogate spike analysis results (Form II)
By matrix (Water or Soil), and
by concentration (Low or Medium)

D. Spike results MS / MSD / LCS (Form III)

E. Blank data (Form IV)
Tabulated blank results (Form I)

F. Internal standard area response and retention time data (Form VIII)

LAB CODE: LIBRTY METHOD: 8270C

SDG # : 1005134

A. SDG Narrative

CompuChem

a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG # 1005134
PROTOCOL: SW-846
Date: July 07, 2010

SAMPLE IDENTIFICATIONS: SB02-5-6, SB02D-5-6, SB05-7-8, SB12-2-3, SB12-2-3RE, SB31-5-6, SB31-5-6RE, SB32-2.5-3.5, SB32-2.5-3.5RE, SB32D-2.5-3.5, SB32D-2.5-3.5RE, SB33-4-5, SB33-4-5RE, SB43-3-4, SB43-3-4RE, SB44-5-6, SB44-5-6RE, SB44-5-6MS, SB44-5-6REMS, SB44-5-6MSD, SB44-5-6REMSD, SB50-1-2, SB50-1-2RE, SS02-0-1, SS02D-0-1, SS12-0-1, SS12-0-1RE, SS31-0-1, SS31-0-1RE, SS32-0-1, SS32-0-1RE, SS32D-0-1, SS32D-0-1RE, SS33-0-1, SS33-0-1RE, SS43-0-1, SS44-0-1, and SS44-0-1RE

The soil samples listed above were received intact, in sealed shipping containers, on May 14, 19, and 21, 2010. The cooler temperatures associated with these samples were 1.7, 3.6, 4.3, 3.9, and 3.1 °C.

The samples were scheduled for the requested analysis of the semivolatile Selected Ion Monitoring (SIM) fraction.

SW-846, 3rd Edition, Update 3, Sonication extraction (Method 3550B), and Method 8270C Selected Ion Monitoring (SIM) were used to prepare and analyze these samples, with the exceptions and/or additions requested by the client. This portion of the narrative deals with the semivolatile Selected Ion Monitoring (SIM) fraction only.

The percent moisture value for these samples ranged from 3 to 28.

Semivolatile SIM

Holding time requirements were met for the initial extraction of all of these samples. QC criteria for the surrogate standard 2-Fluorobiphenyl were not met in the analysis of the initial extracts of method blank SBLKCO and laboratory control sample SCOLCS and the spike recoveries were not met for the SCOLCS. Samples SB12-2-3, SB31-5-6, SB32-2.5-3.5, SB32D-2.5-3.5, SB33-4-5, SB43-3-4, SB44-5-6, SB44-5-6MS, SB44-5-6MSD, SB50-1-2, SS12-0-1, SS31-0-1, SS32-0-1, SS32D-0-1, SS33-0-1, SS43-0-1, and SS44-0-1, associated with these method blank and laboratory control sample, were re-extracted. The re-extraction was performed outside of holding time requirements. The analysis of the second extract met all quality control criteria. We have reported both analyses of these samples with the exception of sample SS43-0-1. There was no sample extract left in the vial for the initial extraction of sample SS43-0-1. Only the results of the second extraction are being reported for this sample.

There were no semivolatile SIM target compound list (TCL) analytes identified above the Contract Required Quantitation Limits (CRQLs) in any of these samples.

There is no Form VII in the deliverables package for the batch analyzed on instrument 5972HP70 on 06/30/2010, associated with the FC-43 scan injected at 1204. This batch included an initial calibration and the relevant relative response factors are all displayed on the appropriate Form VI. The initial calibration met all acceptance criteria and therefore samples could be analyzed without having to inject a continuing calibration verification standard.

Manual integrations were performed on one or more of the process files associated with this SDG. Please see the detailed Manual Integration Summary report that is located behind this SDG narrative. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

Mass assignments were verified by the injections of Perfluorotributylamine for the SIM analysis.

Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All of the surrogates met recovery criteria in the analyses of these samples, with the exception of samples SB31-5-6, SB33-4-5, SB44-5-6, SB44-5-6RE, SB44-5-6MS, SB44-5-6MSD, SS31-0-1, SS32-0-1, and SS33-0-1, the method blank SBLKCO, and the laboratory control sample SCOLCS. In the analyses of the samples SB31-5-6, SB33-4-5, SB44-5-6, SB44-5-6RE, SB44-5-6MS, SB44-5-6MSD, SS31-0-1, SS32-0-1, and SS33-0-1, the method blank SBLKCO, and the laboratory control sample SCOLCS, the recovery of the surrogate, 2-Fluorobiphenyl, was bias low and failed quality control criteria and in the analysis of the sample SS32-0-1, the recovery of the surrogate, Terphenyl-d_{14}, was bias low and failed quality control criteria. All samples, associated with the method blank SBLKCO and the laboratory control sample SCOLCS, were re-extracted outside of holding time requirements. The analysis of the second extract met all quality control criteria. We have reported both analyses of these samples with the exception of sample SS43-0-1. There was no sample extract left in the vial for the initial extraction of sample SS43-0-1. Only the results of the second extraction are being reported for this sample.

All of the internal standards met response and retention time criteria in the analyses of these samples, with the exception of sample SB33-4-5. In the initial analysis of sample SB33-4-5, the response of Naphthalene-d_8 internal standard was low and outside the quality control criteria. This sample was re-extracted outside of holding time requirements. All of the internal standards met response and retention time criteria in the re-extract. We have reported both analyses of this sample.

The associated method blanks met all quality control criteria, with the exception of the method blank SBLKCO. In the analysis of the method blank SBLKCO, the recovery of the surrogate, 2-Fluorobiphenyl, was bias low and failed quality control criteria. All samples, associated with this method blank, were re-extracted outside of holding time requirements. The analysis of the second extract met all quality control criteria.

Sample SB44-5-6 was used as the original to prepare the duplicate matrix spikes as requested. The associated duplicate matrix spikes met overall accuracy criteria. The recovery of the spike compound Fluorene in the SB44-5-6MS and the recoveries of the spike compounds Acenaphthylene and Fluorene in the SB44-5-6MSD were bias low and failed the quality control criteria. These compounds were flagged as outliers in the duplicate matrix spike samples. All Relative Percent Difference (RPD) precision criteria were met in the comparison of the duplicate matrix spike samples.

The associated Laboratory Control Samples, SPBLCS and SPBLCSD, prepared and analyzed along with these samples, met all accuracy criteria. With four exceptions, the associated Laboratory Control Samples SPBLCS and SPBLCSD, met all precision criteria. The Relative Percent Differences (RPDs) of the spike compounds Fluorene, Indeno(1,2,3-cd)pyrene, Dibenzo(a,h)anthracene, and Benzo(g,h,i)perylene in the comparison of these laboratory control samples were high and failed the quality control criteria. These compounds were flagged as outliers in these laboratory control samples. None of these compounds were detected above the CRQLs in the associated samples.

The associated Laboratory Control Sample, SCOLCS, prepared and analyzed along with these samples, did not meet the accuracy criteria. None of the spike compounds were recovered in this LCS. All samples, associated with this LCS, were re-extracted outside of holding time requirements. The analysis of the second extract met all quality control criteria.

An uncertainty of these test results may be estimated from the recovery of the surrogates added to the sample prior to sample preparation or from the recovery of spiked compound(s) in the associated laboratory control sample. Further information is available upon request.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Furthermore, I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice. Release of the data contained in this hardcopy data package and in the computer-readable data submitted electronically has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

S. A. Parikh

Saroj A. Parikh
Data Reviewer
July 07, 2010

Manual Integrations											
SDG: 1005734											
				Samples							
	-03	-04	-08RE	-07	-07RE	-20RE	-01	-02	-15RE	-09	-09RE
Compound											
Naphthalene						✓			✓		
2-Methylnaphthalene											
1-Methylnaphthalene											
Acenaphthylene											
Acenaphthene											
Fluorene											
Phenanthrene											
Anthracene											
Fluoranthene											
Pyrene		✓					✓				
Benzo(a)anthracene											
Chrysene				✓							
Benzo(b)fluoranthene											
Benzo(k)fluoranthene							✓	✓			
Benzo(a)pyrene										✓	
Indeno(1,2,3-cd)pyrene			✓		✓					✓	✓
Dibenzo(a,h)anthracene	✓										
Benzo(g,h,i)perylene	✓										
1,4-Dichlorobenzene-d4											
Naphthalene-d8											
Acenaphthene-d10											
Phenanthrene-d10											
Chrysene-d12											
Perylene-d12						✓					
2-Fluorophenol											
Phenol-d5											
Nitrobenzene-d5											
2,4,6-Tribromophenol											
2-Fluorobiphenyl											
Terphenyl-d14											
"X" Denotes a manual integration for the compound											

"✓" BAS 07/07/10

Manual Integrations											
SDG: 100 5134										SEILCS	
				Samples							
	0601012CV1 #10		11RE	12RE	13	14RE	15	16	17	~~18~~	19RE
Compound											
Naphthalene				✓							
2-Methylnaphthalene											
1-Methylnaphthalene											
Acenaphthylene											
Acenaphthene											
Fluorene											
Phenanthrene											
Anthracene											
Fluoranthene											
Pyrene											
Benzo(a)anthracene											
Chrysene											
Benzo(b)fluoranthene							✓				
Benzo(k)fluoranthene											
Benzo(a)pyrene											
Indeno(1,2,3-cd)pyrene	✓		✓	✓		✓				✓	✓
Dibenzo(a,h)anthracene											
Benzo(g,h,i)perylene											
1,4-Dichlorobenzene-d4											
Naphthalene-d8											
Acenaphthene-d10											
Phenanthrene-d10											
Chrysene-d12											
Perylene-d12											
2-Fluorophenol											
Phenol-d5											
Nitrobenzene-d5											
2,4,6-Tribromophenol											
2-Fluorobiphenyl											
Terphenyl-d14											
"X" Denotes a manual integration for the compound											

"✓" SOP 07107/10

Manual Integrations											
SDG: 1005134											
	06020061			Samples							
		REMS	REMSD								
Compound											
Naphthalene											
2-Methylnaphthalene											
1-Methylnaphthalene											
Acenaphthylene											
Acenaphthene											
Fluorene											
Phenanthrene											
Anthracene											
Fluoranthene											
Pyrene											
Benzo(a)anthracene											
Chrysene											
Benzo(b)fluoranthene											
Benzo(k)fluoranthene											
Benzo(a)pyrene											
Indeno(1,2,3-cd)pyrene	✓	✓	✓								
Dibenzo(a,h)anthracene											
Benzo(g,h,i)perylene											
1,4-Dichlorobenzene-d4											
Naphthalene-d8											
Acenaphthene-d10											
Phenanthrene-d10											
Chrysene-d12											
Perylene-d12											
2-Fluorophenol											
Phenol-d5											
Nitrobenzene-d5											
2,4,6-Tribromophenol											
2-Fluorobiphenyl											
Terphenyl-d14											
"X" Denotes a manual integration for the compound											

"✓" SAR 07/07/10

GC and GC/MS Column and Trap Specifications Table

SDG #:	1005134							
			COLUMNS					
Columns Utilized	Brand Name	Coating Material		ID (mm)	Film Thickness (um)			Length (m)
	GC Laboratory							
	Restek	RTX-5		0.53	1.0			30
	Restek	RTX-SMS		0.53	1.0			30
	Restek	clpest		0.32	0.5			30
	Restek	clpest2		0.32	0.42			30
	J&W	DB-210		0.53	1.0			30
	J&W	GS-GASPRO		0.32	N/A			30
	GC Volatiles Laboratory							
	Restek	RTX-Volatiles		0.53	2.0			30
	GC/MS Volatiles Laboratory							
	Restek	RTX-VMS		0.18	1.0			20
	Supelco	SPB-624		0.32	1.8			60
	Supelco	SPB-624		0.53	3.0			75
	Phenomonex	ZB-624		0.32	1.8			60
	GC/MS Semivolatiles Laboratory							
X	Restek	RTX-5MS		0.32	0.25			30
	Phenomonex	ZB-5MS		0.32	0.25			30
	HPLC Laboratory							
	Supelco	Supelcosil LC-PAH		4.6	5.0			15 cm
	Supelco	Discovery RP Amide C16		4.6	5.0			25 cm
	Restek	Pinnacle Cyano		4.6	5.0			25 cm
	Restek	Allure C18		4.6	5.0			25 cm
			TRAPS *					
	GC and GC/MS Volatiles Laboratory							
	Supelco J (BETXTRAP™)		* 7.7 cm Carbopack C					
			* 1.2 cm Carbopack B					
	Supelco K (Vocarb3000)		* 10 cm of Carbopack B (Graphitized Carbons)					
			* 6 cm of Carboxen 1000 (Carbon molecular sieves)					
			* 1 cm of Carboxen 1001 (Carbon molecular sieves)					
								Rev. 28

* This table contains the GC columns (and volatile organic trap) used for the analysis of volatiles, semi-voaltiles, pesticides, and Aroclors by the SOM01.2 SOW.

Please see the SDG Narrative(s) for the specific fractions(s) relative to this SDG.

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CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.).

Revision 6 (12/6/2005)

CompuChem

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Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC chemists. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC analysis. The manual editing/integration flags are:

M - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak.

H - Denotes that the data reviewer, GC/MS operator, or GC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

MH - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.

L - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

The EPA CLP SOW documents require additional explanations for manual editing/integration. In the accompanying raw data packages, additional codes have been applied to the "M" flag and carry the following meanings;

M1 - The compound was not found by the automatic integration routine.

M2 - The compound was incorrectly integrated by the automatic integration routine.

M3 - The co-eluting compounds were incorrectly integrated by the automatic integration routine.

These codes will appear in the GC/MS and GC raw data.

Revision 7 (12/6/2005

DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each compound. The qualifiers used are:

U : This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J : This flag indicates an estimated value. The flag is used as detailed below:

1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1:1 is assumed for the TIC analyte,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide and/or Aroclor or other GC or HPLC identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.

N : This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search and must be used with the J flag. For generic characterization of a TIC such as "chlorinated hydrocarbon" (or for an "unknown," with no matches ≥85% in the SOM01.1 SOW), the N flag is not used.

P : In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the Form I and flagged with a P.
For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the higher of the two values is reported and flagged with a P. When the RPD is equal to or less than 40%, our policy is to also report the higher of the two values, although the choice could be a project specific issue. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

DATA REPORTING QUALIFIERS (continued)

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations (responses in the SOM01.1 SOW) exceed the upper level of the calibration range (exceed the response of the high ICAL standard in the SOM01.1 SOW) of the instrument for that specific analysis. If one or more compounds have a response greater than the upper level of the calibration range (greater than the response of the highest ICAL standard in the SOM01.1 SOW), the sample or extract will be diluted and reanalyzed. All such compounds with a response greater than the upper level of the calibration range (with responses greater than the response of the highest ICAL standard in the SOM01.1 SOW) will have the concentration (result in the SOM01.1 SOW) flagged with an E on Form I for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration (response in the SOM01.1 SOW) of an analyte exceeds the upper calibration range (exceeds the response of the highest ICAL standard in the SOM01.1 SOW), the DL suffix is appended to the sample number on the Form I for the more diluted sample, and **all** reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.

NOTE 1: The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.

NOTE 2: Separate Forms I are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses <u>are not combined</u> on a single Form I.

A: This flag indicates that a TIC is a suspected aldol-condensation product.

S: In the SOM01.1 SOW, this flag is used to indicate an estimated value for Aroclor target compounds where a valid 5-point initial calibration was not performed prior to the analytes detection in a sample. If an "S" flag is used for a specific Aroclor, then a reanalysis of the sample is required after a valid 5-point calibration is performed for the detected Aroclor.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y, and Z.

B. Form I

Organic Analysis Data Sheet (OADS)
- All samples in alphanumeric order
- Matrix Spike/Matrix Spike Duplicate
- Laboratory Control Sample(s)

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB02-5-6

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/14/10

Lab Sample ID: 1005134-03
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/14/10
Lab File ID: 1005134-03JC66
Analyst: 2743

% Moisture: 20 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0051920-BLK1

Date Extracted: 05/20/10
Date Analyzed: 05/26/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.90	10	ND	U
91-57-6	2-Methylnaphthalene	0.85	10	ND	U
208-96-8	Acenaphthylene	0.67	10	ND	U
83-32-9	Acenaphthene	0.75	10	ND	U
86-73-7	Fluorene	0.56	10	ND	U
85-01-8	Phenanthrene	1.6	10	ND	U
120-12-7	Anthracene	0.54	10	0.56	J
206-44-0	Fluoranthene	1.7	10	ND	U
129-00-0	Pyrene	0.71	10	0.93	J
56-55-3	Benzo(a)anthracene	0.71	10	1.2	J
218-01-9	Chrysene	0.79	10	1.0	J
205-99-2	Benzo(b)fluoranthene	0.71	10	1.1	J
207-08-9	Benzo(k)fluoranthene	0.54	10	1.0	J
50-32-8	Benzo(a)pyrene	0.48	10	1.0	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.46	10	0.78	J
53-70-3	Dibenzo(a,h)anthracene	0.42	10	0.72	J
191-24-2	Benzo(g,h,i)perylene	0.48	10	0.66	J

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB02D-5-6

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/14/10

Lab Sample ID: 1005134-04
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/14/10
Lab File ID: 1005134-04JC66
Analyst: 2743

% Moisture: 22 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0051920-BLK1

Date Extracted: 05/20/10
Date Analyzed: 05/26/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.92	11	0.96	JB
91-57-6	2-Methylnaphthalene	0.88	11	ND	U
208-96-8	Acenaphthylene	0.68	11	ND	U
83-32-9	Acenaphthene	0.77	11	ND	U
86-73-7	Fluorene	0.58	11	ND	U
85-01-8	Phenanthrene	1.7	11	1.7	J
120-12-7	Anthracene	0.56	11	ND	U
206-44-0	Fluoranthene	1.7	11	ND	U
129-00-0	Pyrene	0.73	11	1.2	J
56-55-3	Benzo(a)anthracene	0.73	11	ND	U
218-01-9	Chrysene	0.81	11	ND	U
205-99-2	Benzo(b)fluoranthene	0.73	11	ND	U
207-08-9	Benzo(k)fluoranthene	0.56	11	ND	U
50-32-8	Benzo(a)pyrene	0.49	11	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.47	11	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.43	11	ND	U
191-24-2	Benzo(g,h,i)perylene	0.49	11	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB05-7-8

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/14/10

Lab Sample ID: 1005134-05
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/14/10
Lab File ID: 1005134-05JC66
Analyst: 2743

% Moisture: 28 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0051920-BLK1

Date Extracted: 05/20/10
Date Analyzed: 05/26/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	1.00	12	ND	U
91-57-6	2-Methylnaphthalene	0.95	12	ND	U
208-96-8	Acenaphthylene	0.74	12	ND	U
83-32-9	Acenaphthene	0.83	12	ND	U
86-73-7	Fluorene	0.63	12	ND	U
85-01-8	Phenanthrene	1.8	12	ND	U
120-12-7	Anthracene	0.60	12	ND	U
206-44-0	Fluoranthene	1.9	12	ND	U
129-00-0	Pyrene	0.79	12	ND	U
56-55-3	Benzo(a)anthracene	0.79	12	ND	U
218-01-9	Chrysene	0.88	12	ND	U
205-99-2	Benzo(b)fluoranthene	0.79	12	ND	U
207-08-9	Benzo(k)fluoranthene	0.60	12	ND	U
50-32-8	Benzo(a)pyrene	0.53	12	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.51	12	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.46	12	ND	U
191-24-2	Benzo(g,h,i)perylene	0.53	12	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB12-2-3

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/19/10

Lab Sample ID: 1005134-16
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005134-16B70
Analyst: TD

% Moisture: 11 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK2

Date Extracted: 05/25/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.81	9.3	ND	U
91-57-6	2-Methylnaphthalene	0.77	9.3	ND	U
208-96-8	Acenaphthylene	0.60	9.3	ND	U
83-32-9	Acenaphthene	0.67	9.3	ND	U
86-73-7	Fluorene	0.51	9.3	ND	U
85-01-8	Phenanthrene	1.5	9.3	ND	U
120-12-7	Anthracene	0.49	9.3	ND	U
206-44-0	Fluoranthene	1.5	9.3	ND	U
129-00-0	Pyrene	0.64	9.3	ND	U
56-55-3	Benzo(a)anthracene	0.64	9.3	ND	U
218-01-9	Chrysene	0.71	9.3	ND	U
205-99-2	Benzo(b)fluoranthene	0.64	9.3	ND	U
207-08-9	Benzo(k)fluoranthene	0.49	9.3	ND	U
50-32-8	Benzo(a)pyrene	0.43	9.3	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.41	9.3	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.37	9.3	ND	U
191-24-2	Benzo(g,h,i)perylene	0.43	9.3	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB12-2-3RE

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/19/10

Lab Sample ID: 1005134-16RE1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005134-16RB70
Analyst: TD

% Moisture: 11 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

Date Extracted: 06/02/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.81	9.3	ND	U
91-57-6	2-Methylnaphthalene	0.77	9.3	ND	U
208-96-8	Acenaphthylene	0.60	9.3	ND	U
83-32-9	Acenaphthene	0.67	9.3	ND	U
86-73-7	Fluorene	0.51	9.3	ND	U
85-01-8	Phenanthrene	1.5	9.3	ND	U
120-12-7	Anthracene	0.49	9.3	ND	U
206-44-0	Fluoranthene	1.5	9.3	ND	U
129-00-0	Pyrene	0.64	9.3	ND	U
56-55-3	Benzo(a)anthracene	0.64	9.3	ND	U
218-01-9	Chrysene	0.71	9.3	ND	U
205-99-2	Benzo(b)fluoranthene	0.64	9.3	ND	U
207-08-9	Benzo(k)fluoranthene	0.49	9.3	ND	U
50-32-8	Benzo(a)pyrene	0.43	9.3	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.41	9.3	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.37	9.3	ND	U
191-24-2	Benzo(g,h,i)perylene	0.43	9.3	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB31-5-6

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/17/10

Lab Sample ID: 1005134-08
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005134-08A66
Analyst: 2650

% Moisture: 17 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK1

Date Extracted: 05/25/10
Date Analyzed: 06/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.86	10	ND	U
91-57-6	2-Methylnaphthalene	0.82	10	ND	U
208-96-8	Acenaphthylene	0.64	10	ND	U
83-32-9	Acenaphthene	0.72	10	ND	U
86-73-7	Fluorene	0.54	10	ND	U
85-01-8	Phenanthrene	1.6	10	ND	U
120-12-7	Anthracene	0.52	10	ND	U
206-44-0	Fluoranthene	1.6	10	ND	U
129-00-0	Pyrene	0.68	10	ND	U
56-55-3	Benzo(a)anthracene	0.68	10	ND	U
218-01-9	Chrysene	0.76	10	ND	U
205-99-2	Benzo(b)fluoranthene	0.68	10	ND	U
207-08-9	Benzo(k)fluoranthene	0.52	10	ND	U
50-32-8	Benzo(a)pyrene	0.46	10	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.44	10	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.40	10	ND	U
191-24-2	Benzo(g,h,i)perylene	0.46	10	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB31-5-6RE

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/17/10

Lab Sample ID: 1005134-08RE1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005134-08RA70
Analyst: MEW

% Moisture: 17 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

Date Extracted: 06/02/10
Date Analyzed: 06/30/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.86	10	1.3	JB
91-57-6	2-Methylnaphthalene	0.82	10	ND	U
208-96-8	Acenaphthylene	0.64	10	ND	U
83-32-9	Acenaphthene	0.72	10	ND	U
86-73-7	Fluorene	0.54	10	ND	U
85-01-8	Phenanthrene	1.6	10	ND	U
120-12-7	Anthracene	0.52	10	ND	U
206-44-0	Fluoranthene	1.6	10	ND	U
129-00-0	Pyrene	0.68	10	ND	U
56-55-3	Benzo(a)anthracene	0.68	10	ND	U
218-01-9	Chrysene	0.76	10	ND	U
205-99-2	Benzo(b)fluoranthene	0.68	10	ND	U
207-08-9	Benzo(k)fluoranthene	0.52	10	ND	U
50-32-8	Benzo(a)pyrene	0.46	10	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.44	10	4.6	J
53-70-3	Dibenzo(a,h)anthracene	0.40	10	ND	U
191-24-2	Benzo(g,h,i)perylene	0.46	10	ND	U

ND = Not Detected
Q = Qualifier

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB32-2.5-3.5

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/18/10

Lab Sample ID: 1005134-12
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005134-12B70
Analyst: TD

% Moisture: 7 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK2

Date Extracted: 05/25/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.77	8.9	ND	U
91-57-6	2-Methylnaphthalene	0.73	8.9	ND	U
208-96-8	Acenaphthylene	0.57	8.9	ND	U
83-32-9	Acenaphthene	0.65	8.9	ND	U
86-73-7	Fluorene	0.48	8.9	ND	U
85-01-8	Phenanthrene	1.4	8.9	ND	U
120-12-7	Anthracene	0.47	8.9	ND	U
206-44-0	Fluoranthene	1.4	8.9	ND	U
129-00-0	Pyrene	0.61	8.9	ND	U
56-55-3	Benzo(a)anthracene	0.61	8.9	ND	U
218-01-9	Chrysene	0.68	8.9	ND	U
205-99-2	Benzo(b)fluoranthene	0.61	8.9	ND	U
207-08-9	Benzo(k)fluoranthene	0.47	8.9	ND	U
50-32-8	Benzo(a)pyrene	0.41	8.9	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.39	8.9	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.36	8.9	ND	U
191-24-2	Benzo(g,h,i)perylene	0.41	8.9	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB32-2.5-3.5RE

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/18/10

Lab Sample ID: 1005134-12RE1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005134-12RB70
Analyst: TD

% Moisture: 7 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

Date Extracted: 06/02/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.77	8.9	0.80	JB
91-57-6	2-Methylnaphthalene	0.73	8.9	ND	U
208-96-8	Acenaphthylene	0.57	8.9	ND	U
83-32-9	Acenaphthene	0.65	8.9	ND	U
86-73-7	Fluorene	0.48	8.9	ND	U
85-01-8	Phenanthrene	1.4	8.9	ND	U
120-12-7	Anthracene	0.47	8.9	ND	U
206-44-0	Fluoranthene	1.4	8.9	ND	U
129-00-0	Pyrene	0.61	8.9	ND	U
56-55-3	Benzo(a)anthracene	0.61	8.9	ND	U
218-01-9	Chrysene	0.68	8.9	ND	U
205-99-2	Benzo(b)fluoranthene	0.61	8.9	ND	U
207-08-9	Benzo(k)fluoranthene	0.47	8.9	ND	U
50-32-8	Benzo(a)pyrene	0.41	8.9	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.39	8.9	4.2	J
53-70-3	Dibenzo(a,h)anthracene	0.36	8.9	ND	U
191-24-2	Benzo(g,h,i)perylene	0.41	8.9	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB32D-2.5-3.5

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/18/10

Lab Sample ID: 1005134-13
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005134-13B70
Analyst: TD

% Moisture: 9 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK2

Date Extracted: 05/25/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.79	9.1	ND	U
91-57-6	2-Methylnaphthalene	0.75	9.1	ND	U
208-96-8	Acenaphthylene	0.59	9.1	ND	U
83-32-9	Acenaphthene	0.66	9.1	ND	U
86-73-7	Fluorene	0.49	9.1	ND	U
85-01-8	Phenanthrene	1.4	9.1	ND	U
120-12-7	Anthracene	0.48	9.1	ND	U
206-44-0	Fluoranthene	1.5	9.1	ND	U
129-00-0	Pyrene	0.62	9.1	ND	U
56-55-3	Benzo(a)anthracene	0.62	9.1	ND	U
218-01-9	Chrysene	0.70	9.1	ND	U
205-99-2	Benzo(b)fluoranthene	0.62	9.1	ND	U
207-08-9	Benzo(k)fluoranthene	0.48	9.1	ND	U
50-32-8	Benzo(a)pyrene	0.42	9.1	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.40	9.1	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.37	9.1	ND	U
191-24-2	Benzo(g,h,i)perylene	0.42	9.1	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB32D-2.5-3.5RE

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/18/10

Lab Sample ID: 1005134-13RE1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005134-13RB70
Analyst: TD

% Moisture: 9 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

Date Extracted: 06/02/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.79	9.1	1.0	JB
91-57-6	2-Methylnaphthalene	0.75	9.1	ND	U
208-96-8	Acenaphthylene	0.59	9.1	ND	U
83-32-9	Acenaphthene	0.66	9.1	ND	U
86-73-7	Fluorene	0.49	9.1	ND	U
85-01-8	Phenanthrene	1.4	9.1	ND	U
120-12-7	Anthracene	0.48	9.1	ND	U
206-44-0	Fluoranthene	1.5	9.1	ND	U
129-00-0	Pyrene	0.62	9.1	ND	U
56-55-3	Benzo(a)anthracene	0.62	9.1	ND	U
218-01-9	Chrysene	0.70	9.1	ND	U
205-99-2	Benzo(b)fluoranthene	0.62	9.1	ND	U
207-08-9	Benzo(k)fluoranthene	0.48	9.1	ND	U
50-32-8	Benzo(a)pyrene	0.42	9.1	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.40	9.1	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.37	9.1	ND	U
191-24-2	Benzo(g,h,i)perylene	0.42	9.1	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB33-4-5

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/17/10

Lab Sample ID: 1005134-07
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005134-07A66
Analyst: 2650

% Moisture: 11 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK1

Date Extracted: 05/25/10
Date Analyzed: 06/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.81	9.3	ND	U
91-57-6	2-Methylnaphthalene	0.77	9.3	ND	U
208-96-8	Acenaphthylene	0.60	9.3	ND	U
83-32-9	Acenaphthene	0.67	9.3	ND	U
86-73-7	Fluorene	0.51	9.3	ND	U
85-01-8	Phenanthrene	1.5	9.3	ND	U
120-12-7	Anthracene	0.49	9.3	ND	U
206-44-0	Fluoranthene	1.5	9.3	ND	U
129-00-0	Pyrene	0.64	9.3	0.99	J
56-55-3	Benzo(a)anthracene	0.64	9.3	ND	U
218-01-9	Chrysene	0.71	9.3	0.84	J
205-99-2	Benzo(b)fluoranthene	0.64	9.3	ND	U
207-08-9	Benzo(k)fluoranthene	0.49	9.3	ND	U
50-32-8	Benzo(a)pyrene	0.43	9.3	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.41	9.3	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.37	9.3	ND	U
191-24-2	Benzo(g,h,i)perylene	0.43	9.3	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB33-4-5RE

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/17/10

Lab Sample ID: 1005134-07RE1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005134-07RA70
Analyst: MEW

% Moisture: 11 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

Date Extracted: 06/02/10
Date Analyzed: 06/30/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.81	9.3	2.4	JB
91-57-6	2-Methylnaphthalene	0.77	9.3	ND	U
208-96-8	Acenaphthylene	0.60	9.3	ND	U
83-32-9	Acenaphthene	0.67	9.3	ND	U
86-73-7	Fluorene	0.51	9.3	ND	U
85-01-8	Phenanthrene	1.5	9.3	ND	U
120-12-7	Anthracene	0.49	9.3	ND	U
206-44-0	Fluoranthene	1.5	9.3	ND	U
129-00-0	Pyrene	0.64	9.3	ND	U
56-55-3	Benzo(a)anthracene	0.64	9.3	ND	U
218-01-9	Chrysene	0.71	9.3	ND	U
205-99-2	Benzo(b)fluoranthene	0.64	9.3	ND	U
207-08-9	Benzo(k)fluoranthene	0.49	9.3	ND	U
50-32-8	Benzo(a)pyrene	0.43	9.3	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.41	9.3	4.3	J
53-70-3	Dibenzo(a,h)anthracene	0.37	9.3	ND	U
191-24-2	Benzo(g,h,i)perylene	0.43	9.3	ND	U

ND = Not Detected
Q = Qualifier

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB43-3-4

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005134-20
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005134-20JA70
Analyst: OWS

% Moisture: 7 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK2

Date Extracted: 05/25/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.77	8.9	ND	U
91-57-6	2-Methylnaphthalene	0.73	8.9	ND	U
208-96-8	Acenaphthylene	0.57	8.9	ND	U
83-32-9	Acenaphthene	0.65	8.9	ND	U
86-73-7	Fluorene	0.48	8.9	ND	U
85-01-8	Phenanthrene	1.4	8.9	ND	U
120-12-7	Anthracene	0.47	8.9	ND	U
206-44-0	Fluoranthene	1.4	8.9	ND	U
129-00-0	Pyrene	0.61	8.9	ND	U
56-55-3	Benzo(a)anthracene	0.61	8.9	ND	U
218-01-9	Chrysene	0.68	8.9	ND	U
205-99-2	Benzo(b)fluoranthene	0.61	8.9	ND	U
207-08-9	Benzo(k)fluoranthene	0.47	8.9	ND	U
50-32-8	Benzo(a)pyrene	0.41	8.9	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.39	8.9	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.36	8.9	ND	U
191-24-2	Benzo(g,h,i)perylene	0.41	8.9	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB43-3-4RE

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005134-20
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005134-20RB70
Analyst: TD

% Moisture: 7 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

Date Extracted: 06/02/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.77	8.9	1.3	JB
91-57-6	2-Methylnaphthalene	0.73	8.9	ND	U
208-96-8	Acenaphthylene	0.57	8.9	ND	U
83-32-9	Acenaphthene	0.65	8.9	ND	U
86-73-7	Fluorene	0.48	8.9	ND	U
85-01-8	Phenanthrene	1.4	8.9	ND	U
120-12-7	Anthracene	0.47	8.9	ND	U
206-44-0	Fluoranthene	1.4	8.9	ND	U
129-00-0	Pyrene	0.61	8.9	ND	U
56-55-3	Benzo(a)anthracene	0.61	8.9	ND	U
218-01-9	Chrysene	0.68	8.9	ND	U
205-99-2	Benzo(b)fluoranthene	0.61	8.9	ND	U
207-08-9	Benzo(k)fluoranthene	0.47	8.9	ND	U
50-32-8	Benzo(a)pyrene	0.41	8.9	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.39	8.9	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.36	8.9	ND	U
191-24-2	Benzo(g,h,i)perylene	0.41	8.9	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB44-5-6

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005134-18
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005134-18A66
Analyst: 2650

% Moisture: 15 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK1

Date Extracted: 05/25/10
Date Analyzed: 06/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.84	9.8	ND	U
91-57-6	2-Methylnaphthalene	0.80	9.8	ND	U
208-96-8	Acenaphthylene	0.63	9.8	ND	U
83-32-9	Acenaphthene	0.71	9.8	ND	U
86-73-7	Fluorene	0.53	9.8	ND	U
85-01-8	Phenanthrene	1.5	9.8	ND	U
120-12-7	Anthracene	0.51	9.8	ND	U
206-44-0	Fluoranthene	1.6	9.8	ND	U
129-00-0	Pyrene	0.67	9.8	ND	U
56-55-3	Benzo(a)anthracene	0.67	9.8	ND	U
218-01-9	Chrysene	0.75	9.8	ND	U
205-99-2	Benzo(b)fluoranthene	0.67	9.8	ND	U
207-08-9	Benzo(k)fluoranthene	0.51	9.8	ND	U
50-32-8	Benzo(a)pyrene	0.45	9.8	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.43	9.8	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.39	9.8	ND	U
191-24-2	Benzo(g,h,i)perylene	0.45	9.8	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB44-5-6RE

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005134-18RE1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005134-18RA70
Analyst: MEW

% Moisture: 15 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

Date Extracted: 06/02/10
Date Analyzed: 06/30/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.84	9.8	ND	U
91-57-6	2-Methylnaphthalene	0.80	9.8	ND	U
208-96-8	Acenaphthylene	0.63	9.8	ND	U
83-32-9	Acenaphthene	0.71	9.8	ND	U
86-73-7	Fluorene	0.53	9.8	ND	U
85-01-8	Phenanthrene	1.5	9.8	ND	U
120-12-7	Anthracene	0.51	9.8	ND	U
206-44-0	Fluoranthene	1.6	9.8	ND	U
129-00-0	Pyrene	0.67	9.8	ND	U
56-55-3	Benzo(a)anthracene	0.67	9.8	ND	U
218-01-9	Chrysene	0.75	9.8	ND	U
205-99-2	Benzo(b)fluoranthene	0.67	9.8	ND	U
207-08-9	Benzo(k)fluoranthene	0.51	9.8	ND	U
50-32-8	Benzo(a)pyrene	0.45	9.8	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.43	9.8	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.39	9.8	ND	U
191-24-2	Benzo(g,h,i)perylene	0.45	9.8	ND	U

ND = Not Detected
Q = Qualifier

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB50-1-2

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/18/10

Lab Sample ID: 1005134-14
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005134-14B70
Analyst: TD

% Moisture: 16 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK2

Date Extracted: 05/25/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.85	9.9	0.88	JB
91-57-6	2-Methylnaphthalene	0.81	9.9	ND	U
208-96-8	Acenaphthylene	0.63	9.9	ND	U
83-32-9	Acenaphthene	0.71	9.9	ND	U
86-73-7	Fluorene	0.54	9.9	ND	U
85-01-8	Phenanthrene	1.6	9.9	ND	U
120-12-7	Anthracene	0.52	9.9	ND	U
206-44-0	Fluoranthene	1.6	9.9	ND	U
129-00-0	Pyrene	0.67	9.9	ND	U
56-55-3	Benzo(a)anthracene	0.67	9.9	ND	U
218-01-9	Chrysene	0.75	9.9	ND	U
205-99-2	Benzo(b)fluoranthene	0.67	9.9	ND	U
207-08-9	Benzo(k)fluoranthene	0.52	9.9	ND	U
50-32-8	Benzo(a)pyrene	0.46	9.9	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.44	9.9	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.40	9.9	ND	U
191-24-2	Benzo(g,h,i)perylene	0.46	9.9	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB50-1-2RE

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/18/10

Lab Sample ID: 1005134-14RE1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005134-14RB70
Analyst: TD

% Moisture: 16 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

Date Extracted: 06/02/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.85	9.9	1.8	JB
91-57-6	2-Methylnaphthalene	0.81	9.9	ND	U
208-96-8	Acenaphthylene	0.63	9.9	ND	U
83-32-9	Acenaphthene	0.71	9.9	ND	U
86-73-7	Fluorene	0.54	9.9	ND	U
85-01-8	Phenanthrene	1.6	9.9	ND	U
120-12-7	Anthracene	0.52	9.9	ND	U
206-44-0	Fluoranthene	1.6	9.9	ND	U
129-00-0	Pyrene	0.67	9.9	ND	U
56-55-3	Benzo(a)anthracene	0.67	9.9	ND	U
218-01-9	Chrysene	0.75	9.9	ND	U
205-99-2	Benzo(b)fluoranthene	0.67	9.9	ND	U
207-08-9	Benzo(k)fluoranthene	0.52	9.9	ND	U
50-32-8	Benzo(a)pyrene	0.46	9.9	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.44	9.9	4.6	J
53-70-3	Dibenzo(a,h)anthracene	0.40	9.9	ND	U
191-24-2	Benzo(g,h,i)perylene	0.46	9.9	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SS02-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/14/10

Lab Sample ID: 1005134-01
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/14/10
Lab File ID: 1005134-01A66
Analyst: 2730

% Moisture: 16 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0051920-BLK1

Date Extracted: 05/20/10
Date Analyzed: 05/26/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.85	9.9	ND	U
91-57-6	2-Methylnaphthalene	0.81	9.9	ND	U
208-96-8	Acenaphthylene	0.63	9.9	ND	U
83-32-9	Acenaphthene	0.71	9.9	ND	U
86-73-7	Fluorene	0.54	9.9	ND	U
85-01-8	Phenanthrene	1.6	9.9	ND	U
120-12-7	Anthracene	0.52	9.9	ND	U
206-44-0	Fluoranthene	1.6	9.9	ND	U
129-00-0	Pyrene	0.67	9.9	0.89	J
56-55-3	Benzo(a)anthracene	0.67	9.9	ND	U
218-01-9	Chrysene	0.75	9.9	ND	U
205-99-2	Benzo(b)fluoranthene	0.67	9.9	0.80	J
207-08-9	Benzo(k)fluoranthene	0.52	9.9	0.60	J
50-32-8	Benzo(a)pyrene	0.46	9.9	0.48	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.44	9.9	0.45	J
53-70-3	Dibenzo(a,h)anthracene	0.40	9.9	ND	U
191-24-2	Benzo(g,h,i)perylene	0.46	9.9	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SS02D-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/14/10

Lab Sample ID: 1005134-02
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/14/10
Lab File ID: 1005134-02A66
Analyst: 2730

% Moisture: 12 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0051920-BLK1

Date Extracted: 05/20/10
Date Analyzed: 05/26/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.81	9.4	ND	U
91-57-6	2-Methylnaphthalene	0.78	9.4	ND	U
208-96-8	Acenaphthylene	0.61	9.4	ND	U
83-32-9	Acenaphthene	0.68	9.4	ND	U
86-73-7	Fluorene	0.51	9.4	ND	U
85-01-8	Phenanthrene	1.5	9.4	ND	U
120-12-7	Anthracene	0.49	9.4	ND	U
206-44-0	Fluoranthene	1.5	9.4	ND	U
129-00-0	Pyrene	0.64	9.4	ND	U
56-55-3	Benzo(a)anthracene	0.64	9.4	ND	U
218-01-9	Chrysene	0.72	9.4	ND	U
205-99-2	Benzo(b)fluoranthene	0.64	9.4	ND	U
207-08-9	Benzo(k)fluoranthene	0.49	9.4	0.50	J
50-32-8	Benzo(a)pyrene	0.44	9.4	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.42	9.4	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.38	9.4	ND	U
191-24-2	Benzo(g,h,i)perylene	0.44	9.4	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SS12-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/19/10

Lab Sample ID: 1005134-15
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005134-15B70
Analyst: TD

% Moisture: 8 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK2

Date Extracted: 05/25/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.78	9.0	ND	U
91-57-6	2-Methylnaphthalene	0.74	9.0	ND	U
208-96-8	Acenaphthylene	0.58	9.0	ND	U
83-32-9	Acenaphthene	0.65	9.0	ND	U
86-73-7	Fluorene	0.49	9.0	ND	U
85-01-8	Phenanthrene	1.4	9.0	ND	U
120-12-7	Anthracene	0.47	9.0	ND	U
206-44-0	Fluoranthene	1.4	9.0	ND	U
129-00-0	Pyrene	0.62	9.0	0.76	J
56-55-3	Benzo(a)anthracene	0.62	9.0	ND	U
218-01-9	Chrysene	0.69	9.0	ND	U
205-99-2	Benzo(b)fluoranthene	0.62	9.0	0.64	J
207-08-9	Benzo(k)fluoranthene	0.47	9.0	ND	U
50-32-8	Benzo(a)pyrene	0.42	9.0	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.40	9.0	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.36	9.0	ND	U
191-24-2	Benzo(g,h,i)perylene	0.42	9.0	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SS12-0-1RE

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/19/10

Lab Sample ID: 1005134-15RE1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005134-15RB70
Analyst: TD

% Moisture: 8 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

Date Extracted: 06/02/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.78	9.0	0.97	JB
91-57-6	2-Methylnaphthalene	0.74	9.0	ND	U
208-96-8	Acenaphthylene	0.58	9.0	ND	U
83-32-9	Acenaphthene	0.65	9.0	ND	U
86-73-7	Fluorene	0.49	9.0	ND	U
85-01-8	Phenanthrene	1.4	9.0	ND	U
120-12-7	Anthracene	0.47	9.0	ND	U
206-44-0	Fluoranthene	1.4	9.0	ND	U
129-00-0	Pyrene	0.62	9.0	ND	U
56-55-3	Benzo(a)anthracene	0.62	9.0	ND	U
218-01-9	Chrysene	0.69	9.0	ND	U
205-99-2	Benzo(b)fluoranthene	0.62	9.0	ND	U
207-08-9	Benzo(k)fluoranthene	0.47	9.0	ND	U
50-32-8	Benzo(a)pyrene	0.42	9.0	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.40	9.0	4.3	J
53-70-3	Dibenzo(a,h)anthracene	0.36	9.0	ND	U
191-24-2	Benzo(g,h,i)perylene	0.42	9.0	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SS31-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/17/10

Lab Sample ID: 1005134-09
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005134-09A66
Analyst: 2650

% Moisture: 22 decanted: (Y/N) Y
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK1

Date Extracted: 05/25/10
Date Analyzed: 06/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.92	11	ND	U
91-57-6	2-Methylnaphthalene	0.88	11	ND	U
208-96-8	Acenaphthylene	0.68	11	ND	U
83-32-9	Acenaphthene	0.77	11	ND	U
86-73-7	Fluorene	0.58	11	ND	U
85-01-8	Phenanthrene	1.7	11	2.1	J
120-12-7	Anthracene	0.56	11	ND	U
206-44-0	Fluoranthene	1.7	11	ND	U
129-00-0	Pyrene	0.73	11	1.2	J
56-55-3	Benzo(a)anthracene	0.73	11	ND	U
218-01-9	Chrysene	0.81	11	ND	U
205-99-2	Benzo(b)fluoranthene	0.73	11	ND	U
207-08-9	Benzo(k)fluoranthene	0.56	11	ND	U
50-32-8	Benzo(a)pyrene	0.49	11	0.51	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.47	11	0.53	J
53-70-3	Dibenzo(a,h)anthracene	0.43	11	ND	U
191-24-2	Benzo(g,h,i)perylene	0.49	11	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SS31-0-1RE

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/17/10

Lab Sample ID: 1005134-09RE1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005134-09RA70
Analyst: MEW

% Moisture: 22 decanted: (Y/N) Y
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

Date Extracted: 06/02/10
Date Analyzed: 06/30/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.92	11	1.4	JB
91-57-6	2-Methylnaphthalene	0.88	11	ND	U
208-96-8	Acenaphthylene	0.68	11	ND	U
83-32-9	Acenaphthene	0.77	11	ND	U
86-73-7	Fluorene	0.58	11	ND	U
85-01-8	Phenanthrene	1.7	11	ND	U
120-12-7	Anthracene	0.56	11	ND	U
206-44-0	Fluoranthene	1.7	11	ND	U
129-00-0	Pyrene	0.73	11	ND	U
56-55-3	Benzo(a)anthracene	0.73	11	ND	U
218-01-9	Chrysene	0.81	11	ND	U
205-99-2	Benzo(b)fluoranthene	0.73	11	ND	U
207-08-9	Benzo(k)fluoranthene	0.56	11	ND	U
50-32-8	Benzo(a)pyrene	0.49	11	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.47	11	5.0	J
53-70-3	Dibenzo(a,h)anthracene	0.43	11	ND	U
191-24-2	Benzo(g,h,i)perylene	0.49	11	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SS32-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/18/10

Lab Sample ID: 1005134-10
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005134-10B70
Analyst: TD

% Moisture: 3 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK2

Date Extracted: 05/25/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.74	8.6	ND	U
91-57-6	2-Methylnaphthalene	0.70	8.6	ND	U
208-96-8	Acenaphthylene	0.55	8.6	ND	U
83-32-9	Acenaphthene	0.62	8.6	ND	U
86-73-7	Fluorene	0.46	8.6	ND	U
85-01-8	Phenanthrene	1.4	8.6	ND	U
120-12-7	Anthracene	0.45	8.6	ND	U
206-44-0	Fluoranthene	1.4	8.6	ND	U
129-00-0	Pyrene	0.58	8.6	ND	U
56-55-3	Benzo(a)anthracene	0.58	8.6	ND	U
218-01-9	Chrysene	0.65	8.6	ND	U
205-99-2	Benzo(b)fluoranthene	0.58	8.6	ND	U
207-08-9	Benzo(k)fluoranthene	0.45	8.6	ND	U
50-32-8	Benzo(a)pyrene	0.40	8.6	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	8.6	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.34	8.6	ND	U
191-24-2	Benzo(g,h,i)perylene	0.40	8.6	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SS32-0-1RE

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/18/10

Lab Sample ID: 1005134-10RE1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005134-10RA70
Analyst: MEW

% Moisture: 3 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

Date Extracted: 06/02/10
Date Analyzed: 06/30/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.74	8.6	1.8	JB
91-57-6	2-Methylnaphthalene	0.70	8.6	ND	U
208-96-8	Acenaphthylene	0.55	8.6	ND	U
83-32-9	Acenaphthene	0.62	8.6	ND	U
86-73-7	Fluorene	0.46	8.6	ND	U
85-01-8	Phenanthrene	1.4	8.6	ND	U
120-12-7	Anthracene	0.45	8.6	ND	U
206-44-0	Fluoranthene	1.4	8.6	ND	U
129-00-0	Pyrene	0.58	8.6	ND	U
56-55-3	Benzo(a)anthracene	0.58	8.6	ND	U
218-01-9	Chrysene	0.65	8.6	ND	U
205-99-2	Benzo(b)fluoranthene	0.58	8.6	ND	U
207-08-9	Benzo(k)fluoranthene	0.45	8.6	ND	U
50-32-8	Benzo(a)pyrene	0.40	8.6	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	8.6	4.0	J
53-70-3	Dibenzo(a,h)anthracene	0.34	8.6	ND	U
191-24-2	Benzo(g,h,i)perylene	0.40	8.6	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SS32D-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/18/10

Lab Sample ID: 1005134-11
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005134-11B70
Analyst: TD

% Moisture: 3 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK2

Date Extracted: 05/25/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.74	8.6	ND	U
91-57-6	2-Methylnaphthalene	0.70	8.6	ND	U
208-96-8	Acenaphthylene	0.55	8.6	ND	U
83-32-9	Acenaphthene	0.62	8.6	ND	U
86-73-7	Fluorene	0.46	8.6	ND	U
85-01-8	Phenanthrene	1.4	8.6	ND	U
120-12-7	Anthracene	0.45	8.6	ND	U
206-44-0	Fluoranthene	1.4	8.6	ND	U
129-00-0	Pyrene	0.58	8.6	ND	U
56-55-3	Benzo(a)anthracene	0.58	8.6	ND	U
218-01-9	Chrysene	0.65	8.6	ND	U
205-99-2	Benzo(b)fluoranthene	0.58	8.6	ND	U
207-08-9	Benzo(k)fluoranthene	0.45	8.6	ND	U
50-32-8	Benzo(a)pyrene	0.40	8.6	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	8.6	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.34	8.6	ND	U
191-24-2	Benzo(g,h,i)perylene	0.40	8.6	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SS32D-0-1RE

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/18/10

Lab Sample ID: 1005134-11RE1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005134-11RB70
Analyst: TD

% Moisture: 3 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

Date Extracted: 06/02/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.74	8.6	1.3	JB
91-57-6	2-Methylnaphthalene	0.70	8.6	ND	U
208-96-8	Acenaphthylene	0.55	8.6	ND	U
83-32-9	Acenaphthene	0.62	8.6	ND	U
86-73-7	Fluorene	0.46	8.6	ND	U
85-01-8	Phenanthrene	1.4	8.6	ND	U
120-12-7	Anthracene	0.45	8.6	ND	U
206-44-0	Fluoranthene	1.4	8.6	ND	U
129-00-0	Pyrene	0.58	8.6	ND	U
56-55-3	Benzo(a)anthracene	0.58	8.6	ND	U
218-01-9	Chrysene	0.65	8.6	ND	U
205-99-2	Benzo(b)fluoranthene	0.58	8.6	ND	U
207-08-9	Benzo(k)fluoranthene	0.45	8.6	ND	U
50-32-8	Benzo(a)pyrene	0.40	8.6	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	8.6	3.9	J
53-70-3	Dibenzo(a,h)anthracene	0.34	8.6	ND	U
191-24-2	Benzo(g,h,i)perylene	0.40	8.6	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SS33-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/17/10

Lab Sample ID: 1005134-06
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005134-06A66
Analyst: 2650

% Moisture: 22 decanted: (Y/N) Y
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK1

Date Extracted: 05/25/10
Date Analyzed: 06/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.92	11	ND	U
91-57-6	2-Methylnaphthalene	0.88	11	ND	U
208-96-8	Acenaphthylene	0.68	11	ND	U
83-32-9	Acenaphthene	0.77	11	ND	U
86-73-7	Fluorene	0.58	11	ND	U
85-01-8	Phenanthrene	1.7	11	ND	U
120-12-7	Anthracene	0.56	11	ND	U
206-44-0	Fluoranthene	1.7	11	ND	U
129-00-0	Pyrene	0.73	11	ND	U
56-55-3	Benzo(a)anthracene	0.73	11	ND	U
218-01-9	Chrysene	0.81	11	ND	U
205-99-2	Benzo(b)fluoranthene	0.73	11	ND	U
207-08-9	Benzo(k)fluoranthene	0.56	11	ND	U
50-32-8	Benzo(a)pyrene	0.49	11	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.47	11	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.43	11	ND	U
191-24-2	Benzo(g,h,i)perylene	0.49	11	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SS33-0-1RE

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/17/10

Lab Sample ID: 1005134-06RE1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005134-06RA70
Analyst: MEW

% Moisture: 22 decanted: (Y/N) Y
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

Date Extracted: 06/02/10
Date Analyzed: 06/30/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.92	11	3.5	JB
91-57-6	2-Methylnaphthalene	0.88	11	ND	U
208-96-8	Acenaphthylene	0.68	11	ND	U
83-32-9	Acenaphthene	0.77	11	ND	U
86-73-7	Fluorene	0.58	11	ND	U
85-01-8	Phenanthrene	1.7	11	ND	U
120-12-7	Anthracene	0.56	11	ND	U
206-44-0	Fluoranthene	1.7	11	ND	U
129-00-0	Pyrene	0.73	11	ND	U
56-55-3	Benzo(a)anthracene	0.73	11	ND	U
218-01-9	Chrysene	0.81	11	ND	U
205-99-2	Benzo(b)fluoranthene	0.73	11	ND	U
207-08-9	Benzo(k)fluoranthene	0.56	11	ND	U
50-32-8	Benzo(a)pyrene	0.49	11	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.47	11	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.43	11	ND	U
191-24-2	Benzo(g,h,i)perylene	0.49	11	ND	U

ND = Not Detected
Q = Qualifier

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SS43-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005134-19
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005134-19RB70
Analyst: TD

% Moisture: 3 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

Date Extracted: 06/02/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.74	8.6	1.4	JB
91-57-6	2-Methylnaphthalene	0.70	8.6	ND	U
208-96-8	Acenaphthylene	0.55	8.6	ND	U
83-32-9	Acenaphthene	0.62	8.6	ND	U
86-73-7	Fluorene	0.46	8.6	ND	U
85-01-8	Phenanthrene	1.4	8.6	ND	U
120-12-7	Anthracene	0.45	8.6	ND	U
206-44-0	Fluoranthene	1.4	8.6	ND	U
129-00-0	Pyrene	0.58	8.6	ND	U
56-55-3	Benzo(a)anthracene	0.58	8.6	ND	U
218-01-9	Chrysene	0.65	8.6	ND	U
205-99-2	Benzo(b)fluoranthene	0.58	8.6	ND	U
207-08-9	Benzo(k)fluoranthene	0.45	8.6	ND	U
50-32-8	Benzo(a)pyrene	0.40	8.6	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	8.6	4.0	J
53-70-3	Dibenzo(a,h)anthracene	0.34	8.6	ND	U
191-24-2	Benzo(g,h,i)perylene	0.40	8.6	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SS44-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005134-17
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005134-17B70
Analyst: TD

% Moisture: 7 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK2

Date Extracted: 05/25/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.77	8.9	1.7	J
91-57-6	2-Methylnaphthalene	0.73	8.9	ND	U
208-96-8	Acenaphthylene	0.57	8.9	ND	U
83-32-9	Acenaphthene	0.65	8.9	ND	U
86-73-7	Fluorene	0.48	8.9	ND	U
85-01-8	Phenanthrene	1.4	8.9	ND	U
120-12-7	Anthracene	0.47	8.9	ND	U
206-44-0	Fluoranthene	1.4	8.9	ND	U
129-00-0	Pyrene	0.61	8.9	ND	U
56-55-3	Benzo(a)anthracene	0.61	8.9	ND	U
218-01-9	Chrysene	0.68	8.9	ND	U
205-99-2	Benzo(b)fluoranthene	0.61	8.9	ND	U
207-08-9	Benzo(k)fluoranthene	0.47	8.9	ND	U
50-32-8	Benzo(a)pyrene	0.41	8.9	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.39	8.9	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.36	8.9	ND	U
191-24-2	Benzo(g,h,i)perylene	0.41	8.9	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SS44-0-1RE

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005134-17RE1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005134-17RB70
Analyst: TD

% Moisture: 7 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

Date Extracted: 06/02/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.77	8.9	1.4	JB
91-57-6	2-Methylnaphthalene	0.73	8.9	ND	U
208-96-8	Acenaphthylene	0.57	8.9	ND	U
83-32-9	Acenaphthene	0.65	8.9	ND	U
86-73-7	Fluorene	0.48	8.9	ND	U
85-01-8	Phenanthrene	1.4	8.9	1.4	J
120-12-7	Anthracene	0.47	8.9	ND	U
206-44-0	Fluoranthene	1.4	8.9	ND	U
129-00-0	Pyrene	0.61	8.9	0.94	J
56-55-3	Benzo(a)anthracene	0.61	8.9	ND	U
218-01-9	Chrysene	0.68	8.9	ND	U
205-99-2	Benzo(b)fluoranthene	0.61	8.9	ND	U
207-08-9	Benzo(k)fluoranthene	0.47	8.9	ND	U
50-32-8	Benzo(a)pyrene	0.41	8.9	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.39	8.9	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.36	8.9	ND	U
191-24-2	Benzo(g,h,i)perylene	0.41	8.9	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB44-5-6MS

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 0052518-MS1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 0052518-MS1A66
Analyst: 2650

% Moisture: 15 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK1

Date Extracted: 05/25/10
Date Analyzed: 06/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.84	9.8	9.0	J
91-57-6	2-Methylnaphthalene	0.80	9.8	11	
208-96-8	Acenaphthylene	0.63	9.8	10	
83-32-9	Acenaphthene	0.71	9.8	9.4	J
86-73-7	Fluorene	0.53	9.8	9.4	J
85-01-8	Phenanthrene	1.5	9.8	11	
120-12-7	Anthracene	0.51	9.8	12	
206-44-0	Fluoranthene	1.6	9.8	12	
129-00-0	Pyrene	0.67	9.8	11	
56-55-3	Benzo(a)anthracene	0.67	9.8	13	
218-01-9	Chrysene	0.75	9.8	12	
205-99-2	Benzo(b)fluoranthene	0.67	9.8	13	
207-08-9	Benzo(k)fluoranthene	0.51	9.8	11	
50-32-8	Benzo(a)pyrene	0.45	9.8	11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.43	9.8	13	
53-70-3	Dibenzo(a,h)anthracene	0.39	9.8	12	
191-24-2	Benzo(g,h,i)perylene	0.45	9.8	12	

ND = Not Detected
Q = Qualifier

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB44-5-6MSD

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 0052518-MSD1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 0052518-MSD1A66
Analyst: 2650

% Moisture: 15 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK1

Date Extracted: 05/25/10
Date Analyzed: 06/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.84	9.8	8.0	J
91-57-6	2-Methylnaphthalene	0.80	9.8	9.9	
208-96-8	Acenaphthylene	0.63	9.8	9.5	J
83-32-9	Acenaphthene	0.71	9.8	8.9	J
86-73-7	Fluorene	0.53	9.8	9.1	J
85-01-8	Phenanthrene	1.5	9.8	11	
120-12-7	Anthracene	0.51	9.8	12	
206-44-0	Fluoranthene	1.6	9.8	13	
129-00-0	Pyrene	0.67	9.8	12	
56-55-3	Benzo(a)anthracene	0.67	9.8	14	
218-01-9	Chrysene	0.75	9.8	13	
205-99-2	Benzo(b)fluoranthene	0.67	9.8	11	
207-08-9	Benzo(k)fluoranthene	0.51	9.8	12	
50-32-8	Benzo(a)pyrene	0.45	9.8	11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.43	9.8	13	
53-70-3	Dibenzo(a,h)anthracene	0.39	9.8	12	
191-24-2	Benzo(g,h,i)perylene	0.45	9.8	12	

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB44-5-6REMS

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 0060203-MS1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 0060203-MS1A70
Analyst: MEW

% Moisture: 15 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

Date Extracted: 06/02/10
Date Analyzed: 06/30/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.84	9.8	12	B
91-57-6	2-Methylnaphthalene	0.80	9.8	13	
208-96-8	Acenaphthylene	0.63	9.8	13	
83-32-9	Acenaphthene	0.71	9.8	12	
86-73-7	Fluorene	0.53	9.8	13	
85-01-8	Phenanthrene	1.5	9.8	15	
120-12-7	Anthracene	0.51	9.8	15	
206-44-0	Fluoranthene	1.6	9.8	17	
129-00-0	Pyrene	0.67	9.8	15	
56-55-3	Benzo(a)anthracene	0.67	9.8	17	
218-01-9	Chrysene	0.75	9.8	14	
205-99-2	Benzo(b)fluoranthene	0.67	9.8	16	
207-08-9	Benzo(k)fluoranthene	0.51	9.8	15	
50-32-8	Benzo(a)pyrene	0.45	9.8	15	
193-39-5	Indeno(1,2,3-cd)pyrene	0.43	9.8	16	
53-70-3	Dibenzo(a,h)anthracene	0.39	9.8	13	
191-24-2	Benzo(g,h,i)perylene	0.45	9.8	13	

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB44-5-6REMSD

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 0060203-MSD1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 0060203-MSD1A70
Analyst: MEW

% Moisture: 15 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

Date Extracted: 06/02/10
Date Analyzed: 06/30/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.84	9.8	13	B
91-57-6	2-Methylnaphthalene	0.80	9.8	15	
208-96-8	Acenaphthylene	0.63	9.8	14	
83-32-9	Acenaphthene	0.71	9.8	13	
86-73-7	Fluorene	0.53	9.8	14	
85-01-8	Phenanthrene	1.5	9.8	15	
120-12-7	Anthracene	0.51	9.8	15	
206-44-0	Fluoranthene	1.6	9.8	17	
129-00-0	Pyrene	0.67	9.8	13	
56-55-3	Benzo(a)anthracene	0.67	9.8	15	
218-01-9	Chrysene	0.75	9.8	13	
205-99-2	Benzo(b)fluoranthene	0.67	9.8	15	
207-08-9	Benzo(k)fluoranthene	0.51	9.8	15	
50-32-8	Benzo(a)pyrene	0.45	9.8	15	
193-39-5	Indeno(1,2,3-cd)pyrene	0.43	9.8	18	
53-70-3	Dibenzo(a,h)anthracene	0.39	9.8	16	
191-24-2	Benzo(g,h,i)perylene	0.45	9.8	15	

ND = Not Detected
Q = Qualifier

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SBPLCS

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0051920-BS1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0051920-BS1JC66
Analyst: 2743

% Moisture: 0 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0051920-BLK1

Date Extracted: 05/20/10
Date Analyzed: 05/26/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	10	B
91-57-6	2-Methylnaphthalene	0.68	8.3	9.3	
208-96-8	Acenaphthylene	0.53	8.3	10	
83-32-9	Acenaphthene	0.60	8.3	10	
86-73-7	Fluorene	0.45	8.3	8.6	
85-01-8	Phenanthrene	1.3	8.3	12	
120-12-7	Anthracene	0.43	8.3	11	
206-44-0	Fluoranthene	1.3	8.3	11	
129-00-0	Pyrene	0.57	8.3	11	
56-55-3	Benzo(a)anthracene	0.57	8.3	14	
218-01-9	Chrysene	0.63	8.3	13	
205-99-2	Benzo(b)fluoranthene	0.57	8.3	13	
207-08-9	Benzo(k)fluoranthene	0.43	8.3	13	
50-32-8	Benzo(a)pyrene	0.38	8.3	11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	11	
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	11	
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	9.7	

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SBPLCSD

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0051920-BSD1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0051920-BSD1A66
Analyst: 2730

% Moisture: 0 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0051920-BLK1

Date Extracted: 05/20/10
Date Analyzed: 05/26/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	13	B
91-57-6	2-Methylnaphthalene	0.68	8.3	12	
208-96-8	Acenaphthylene	0.53	8.3	12	
83-32-9	Acenaphthene	0.60	8.3	13	
86-73-7	Fluorene	0.45	8.3	12	
85-01-8	Phenanthrene	1.3	8.3	15	
120-12-7	Anthracene	0.43	8.3	13	
206-44-0	Fluoranthene	1.3	8.3	11	
129-00-0	Pyrene	0.57	8.3	12	
56-55-3	Benzo(a)anthracene	0.57	8.3	16	
218-01-9	Chrysene	0.63	8.3	16	
205-99-2	Benzo(b)fluoranthene	0.57	8.3	16	
207-08-9	Benzo(k)fluoranthene	0.43	8.3	16	
50-32-8	Benzo(a)pyrene	0.38	8.3	14	
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	15	
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	15	
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	14	

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SCOLCS

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0052518-BS1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0052518-BS1A66
Analyst: 2650

% Moisture: 0 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK1

Date Extracted: 05/25/10
Date Analyzed: 06/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	ND	U
91-57-6	2-Methylnaphthalene	0.68	8.3	ND	U
208-96-8	Acenaphthylene	0.53	8.3	ND	U
83-32-9	Acenaphthene	0.60	8.3	ND	U
86-73-7	Fluorene	0.45	8.3	ND	U
85-01-8	Phenanthrene	1.3	8.3	ND	U
120-12-7	Anthracene	0.43	8.3	ND	U
206-44-0	Fluoranthene	1.3	8.3	ND	U
129-00-0	Pyrene	0.57	8.3	0.77	J
56-55-3	Benzo(a)anthracene	0.57	8.3	ND	U
218-01-9	Chrysene	0.63	8.3	ND	U
205-99-2	Benzo(b)fluoranthene	0.57	8.3	ND	U
207-08-9	Benzo(k)fluoranthene	0.43	8.3	ND	U
50-32-8	Benzo(a)pyrene	0.38	8.3	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	ND	U
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SEILCS

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0060203-BS1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0060203-BS1A70
Analyst: MEW

% Moisture: 0 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

Date Extracted: 06/02/10
Date Analyzed: 06/30/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	12	B
91-57-6	2-Methylnaphthalene	0.68	8.3	13	
208-96-8	Acenaphthylene	0.53	8.3	11	
83-32-9	Acenaphthene	0.60	8.3	11	
86-73-7	Fluorene	0.45	8.3	11	
85-01-8	Phenanthrene	1.3	8.3	12	
120-12-7	Anthracene	0.43	8.3	11	
206-44-0	Fluoranthene	1.3	8.3	13	
129-00-0	Pyrene	0.57	8.3	12	
56-55-3	Benzo(a)anthracene	0.57	8.3	12	
218-01-9	Chrysene	0.63	8.3	13	
205-99-2	Benzo(b)fluoranthene	0.57	8.3	12	
207-08-9	Benzo(k)fluoranthene	0.43	8.3	13	
50-32-8	Benzo(a)pyrene	0.38	8.3	10	
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	13	
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	11	
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	12	

ND = Not Detected
Q = Qualifier

FORM I SV-1

C. Form II

Surrogate spike analysis

- By level (low, medium) -

FORM 2
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Level: (low/med) LOW

	CLIENT SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	SBPLCSD	73	56	78						0
02	SS02-0-1	62	61	86						0
03	SS02D-0-1	68	66	86						0
04	SBLKBP	68	70	85						0
05	SBPLCS	57	56	72						0
06	SB02-5-6	66	62	91						0
07	SB02D-5-6	63	58	75						0
08	SB05-7-8	75	71	74						0
09	SBLKCO	49	40*	62						1
10	SCOLCS	54	38*	71						1
11	SB44-5-6MS	59	41*	61						1
12	SB44-5-6MSD	54	36*	64						1
13	SB44-5-6	48	34*	62						1
14	SS33-0-1	52	40*	70						1
15	SB33-4-5	59	36*	70						1
16	SB31-5-6	47	27*	48						1
17	SS31-0-1	51	39*	66						1
18	SBLKEI	62	63	78						0
19	SEILCS	72	69	80						0
20	SB44-5-6RE	38	45*	86						1
21	SB44-5-6REMS	67	65	84						0
22	SB44-5-6REMSD	74	68	73						0
23	SS33-0-1RE	50	60	83						0
24	SB33-4-5RE	48	50	86						0
25	SB31-5-6RE	53	52	85						0
26	SS31-0-1RE	52	63	91						0
27	SS32-0-1RE	48	56	90						0
28	SB32-2.5-3.5RE	43	45	90						0

	QC LIMITS
S1 (NBZ) = Nitrobenzene-d5	(35-100)
S2 (FBP) = 2-Fluorobiphenyl	(45-105)
S3 (TPH) = Terphenyl-d14	(30-125)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM 2
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Level:(low/med) LOW

	CLIENT SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	SB32D-2.5-3.5RE	53	51	85						0
02	SB50-1-2RE	61	63	88						0
03	SS12-0-1RE	49	54	84						0
04	SB12-2-3RE	55	54	83						0
05	SS44-0-1RE	53	63	87						0
06	SS43-0-1	60	59	55						0
07	SB43-3-4RE	60	63	86						0
08	SS32D-0-1RE	48	65	96						0
09	SBLKOC	48	53	84						0
10	SS32-0-1	33*	44*	78						2
11	SS32D-0-1	56	62	89						0
12	SB32-2.5-3.5	60	60	86						0
13	SB32D-2.5-3.5	59	61	84						0
14	SB50-1-2	61	61	84						0
15	SS12-0-1	57	55	76						0
16	SB12-2-3	68	65	81						0
17	SS44-0-1	55	67	90						0
18	SB43-3-4	51	62	89						0
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										

	QC LIMITS
S1 (NBZ) = Nitrobenzene-d5	(35-100)
S2 (FBP) = 2-Fluorobiphenyl	(45-105)
S3 (TPH) = Terphenyl-d14	(30-125)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

D. Form III

Matrix Spike/Matrix Spike Duplicate results
- By level (low, medium) -
Laboratory Control Sample(s)

FORM 3
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix Spike - Sample No.: SB44-5-6 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Naphthalene	19.61	0	9.015	46	40-105
2-Methylnaphthalene	19.61	0	10.79	55	45-105
Acenaphthylene	19.61	0	10.03	51	50-105
Acenaphthene	19.61	0	9.439	48	45-110
Fluorene	19.61	0	9.383	48*	50-110
Phenanthrene	19.61	0	10.63	54	50-110
Anthracene	19.61	0	11.53	59	55-105
Fluoranthene	19.61	0	11.83	60	55-115
Pyrene	19.61	0	11.41	58	45-125
Benzo(a)anthracene	19.61	0	12.94	66	50-110
Chrysene	19.61	0	11.78	60	55-110
Benzo(b)fluoranthene	19.61	0	12.86	66	45-115
Benzo(k)fluoranthene	19.61	0	10.58	54	45-125
Benzo(a)pyrene	19.61	0	11.18	57	50-110
Indeno(1,2,3-cd)pyrene	19.61	0	12.91	66	40-125
Dibenzo(a,h)anthracene	19.61	0	12.26	63	40-125
Benzo(g,h,i)perylene	19.61	0	11.76	60	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix Spike - Sample No.: SB44-5-6 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Naphthalene	19.61	8.045	41	11	30	40-105
2-Methylnaphthalene	19.61	9.877	50	9	30	45-105
Acenaphthylene	19.61	9.478	48*	6	30	50-105
Acenaphthene	19.61	8.909	45	6	30	45-110
Fluorene	19.61	9.062	46*	3	30	50-110
Phenanthrene	19.61	10.88	55	2	30	50-110
Anthracene	19.61	11.76	60	2	30	55-105
Fluoranthene	19.61	12.8	65	8	30	55-115
Pyrene	19.61	12.22	62	7	30	45-125
Benzo(a)anthracene	19.61	13.71	70	6	30	50-110
Chrysene	19.61	12.53	64	6	30	55-110
Benzo(b)fluoranthene	19.61	11.24	57	13	30	45-115
Benzo(k)fluoranthene	19.61	12.37	63	16	30	45-125
Benzo(a)pyrene	19.61	11.27	57	1	30	50-110
Indeno(1,2,3-cd)pyrene	19.61	13.28	68	3	30	40-125
Dibenzo(a,h)anthracene	19.61	12.37	63	1	30	40-125
Benzo(g,h,i)perylene	19.61	11.72	60	0	30	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 17 outside limits
Spike Recovery: 3 out of 34 outside limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix Spike - Sample No.: SB44-5-6RE Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Naphthalene	19.61	0	11.89	61	40-105
2-Methylnaphthalene	19.61	0	13.07	67	45-105
Acenaphthylene	19.61	0	12.83	65	50-105
Acenaphthene	19.61	0	12.34	63	45-110
Fluorene	19.61	0	13.27	68	50-110
Phenanthrene	19.61	0	14.92	76	50-110
Anthracene	19.61	0	14.55	74	55-105
Fluoranthene	19.61	0	16.64	85	55-115
Pyrene	19.61	0	15.44	79	45-125
Benzo(a)anthracene	19.61	0	16.75	85	50-110
Chrysene	19.61	0	14.23	73	55-110
Benzo(b)fluoranthene	19.61	0	16.09	82	45-115
Benzo(k)fluoranthene	19.61	0	14.67	75	45-125
Benzo(a)pyrene	19.61	0	14.91	76	50-110
Indeno(1,2,3-cd)pyrene	19.61	0	15.86	81	40-125
Dibenzo(a,h)anthracene	19.61	0	12.88	66	40-125
Benzo(g,h,i)perylene	19.61	0	12.6	64	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix Spike - Sample No.: SB44-5-6RE Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Naphthalene	19.61	13.02	66	9	30	40-105
2-Methylnaphthalene	19.61	14.51	74	10	30	45-105
Acenaphthylene	19.61	13.69	70	6	30	50-105
Acenaphthene	19.61	12.82	65	4	30	45-110
Fluorene	19.61	14.07	72	6	30	50-110
Phenanthrene	19.61	14.98	76	0	30	50-110
Anthracene	19.61	15.07	77	4	30	55-105
Fluoranthene	19.61	17.26	88	4	30	55-115
Pyrene	19.61	13.2	67	16	30	45-125
Benzo(a)anthracene	19.61	14.93	76	11	30	50-110
Chrysene	19.61	12.64	64	12	30	55-110
Benzo(b)fluoranthene	19.61	15.42	79	4	30	45-115
Benzo(k)fluoranthene	19.61	14.8	75	1	30	45-125
Benzo(a)pyrene	19.61	14.7	75	1	30	50-110
Indeno(1,2,3-cd)pyrene	19.61	18.47	94	15	30	40-125
Dibenzo(a,h)anthracene	19.61	15.86	81	21	30	40-125
Benzo(g,h,i)perylene	19.61	14.92	76	17	30	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 17 outside limits
Spike Recovery: 0 out of 34 outside limits

COMMENTS: _____

3D
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

SBPLCS

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix Spike - EPA Sample No.: SBPLCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Naphthalene	16.67		10.24	61	40-105
2-Methylnaphthalene	16.67		9.289	56	45-105
Acenaphthylene	16.67		10.23	61	50-105
Acenaphthene	16.67		10.44	63	45-110
Fluorene	16.67		8.554	51	50-110
Phenanthrene	16.67		11.69	70	50-110
Anthracene	16.67		11.02	66	55-105
Fluoranthene	16.67		10.75	64	55-115
Pyrene	16.67		10.95	66	45-125
Benzo(a)anthracene	16.67		13.76	83	50-110
Chrysene	16.67		12.87	77	55-110
Benzo(b)fluoranthene	16.67		13.44	81	45-115
Benzo(k)fluoranthene	16.67		12.7	76	45-125
Benzo(a)pyrene	16.67		11.38	68	50-110
Indeno(1,2,3-cd)pyrene	16.67		10.78	65	40-125
Dibenzo(a,h)anthracene	16.67		10.59	64	40-125
Benzo(g,h,i)perylene	16.67		9.696	58	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

3D
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

SBPLCS

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix Spike - EPA Sample No.: SBPLCS Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Naphthalene	16.67	13.41	80	27	30	40-105
2-Methylnaphthalene	16.67	12.25	73	26	30	45-105
Acenaphthylene	16.67	12.09	73	18	30	50-105
Acenaphthene	16.67	12.95	78	21	30	45-110
Fluorene	16.67	11.73	70	31*	30	50-110
Phenanthrene	16.67	14.82	89	24	30	50-110
Anthracene	16.67	13.33	80	19	30	55-105
Fluoranthene	16.67	11.27	68	6	30	55-115
Pyrene	16.67	11.56	69	4	30	45-125
Benzo(a)anthracene	16.67	16.25	97	16	30	50-110
Chrysene	16.67	16.46	99	25	30	55-110
Benzo(b)fluoranthene	16.67	15.74	94	15	30	45-115
Benzo(k)fluoranthene	16.67	15.61	94	21	30	45-125
Benzo(a)pyrene	16.67	13.93	84	21	30	50-110
Indeno(1,2,3-cd)pyrene	16.67	14.87	89	31*	30	40-125
Dibenzo(a,h)anthracene	16.67	14.81	89	33*	30	40-125
Benzo(g,h,i)perylene	16.67	14.41	86	39*	30	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 4 out of 17 outside limits
Spike Recovery: 0 out of 34 outside limits

COMMENTS: _____

3D
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

SCOLCS

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Naphthalene				40-105
2-Methylnaphthalene				45-105
Acenaphthylene				50-105
Acenaphthene				45-110
Fluorene				50-110
Phenanthrene				50-110
Anthracene				55-105
Fluoranthene				55-115
Pyrene	16.67	0.767	5*	45-125
Benzo(a)anthracene				50-110
Chrysene				55-110
Benzo(b)fluoranthene				45-115
Benzo(k)fluoranthene				45-125
Benzo(a)pyrene				50-110
Indeno(1,2,3-cd)pyrene				40-125
Dibenzo(a,h)anthracene				40-125
Benzo(g,h,i)perylene				40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

Spike Recovery: 1 out of 17 outside limits

COMMENTS: _____

3D
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

SEILCS

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Naphthalene	16.67	12.08	72	40-105
2-Methylnaphthalene	16.67	12.79	77	45-105
Acenaphthylene	16.67	10.94	66	50-105
Acenaphthene	16.67	11.39	68	45-110
Fluorene	16.67	11.41	68	50-110
Phenanthrene	16.67	12.1	73	50-110
Anthracene	16.67	10.54	63	55-105
Fluoranthene	16.67	13.1	79	55-115
Pyrene	16.67	12.12	73	45-125
Benzo(a)anthracene	16.67	12.27	74	50-110
Chrysene	16.67	12.53	75	55-110
Benzo(b)fluoranthene	16.67	11.78	71	45-115
Benzo(k)fluoranthene	16.67	13.03	78	45-125
Benzo(a)pyrene	16.67	10.26	62	50-110
Indeno(1,2,3-cd)pyrene	16.67	13.14	79	40-125
Dibenzo(a,h)anthracene	16.67	11.44	69	40-125
Benzo(g,h,i)perylene	16.67	11.8	71	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

Spike Recovery: 0 out of 17 outside limits

COMMENTS: _____

E. Form IV

Method Blank Results
Form IV and Form I

Method blank summary, OADS
- In chronological order of analysis

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

SBLKBP

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab File ID: 0051920-BLK1JC66 Lab Sample ID: 0051920-BLK1

Instrument ID: 5972HP66 Date Extracted: 05/20/10

Matrix: (soil/water) SOIL Date Analyzed: 05/26/10

Level:(low/med) LOW Time Analyzed: 0647

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SBPLCSD	0051920-BSD1	0051920-BSD1	05/26/10
02	SS02-0-1	1005134-01	1005134-01A6	05/26/10
03	SS02D-0-1	1005134-02	1005134-02A6	05/26/10
04	SBPLCS	0051920-BS1	0051920-BS1J	05/26/10
05	SB02-5-6	1005134-03	1005134-03JC	05/26/10
06	SB02D-5-6	1005134-04	1005134-04JC	05/26/10
07	SB05-7-8	1005134-05	1005134-05JC	05/26/10
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COMMENTS:

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SBLKBP

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0051920-BLK1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0051920-BLK1JC66
Analyst: 2743

% Moisture: _____ decanted: (Y/N) ___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0051920-BLK1

Date Extracted: 05/20/10
Date Analyzed: 05/26/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	0.84	J
91-57-6	2-Methylnaphthalene	0.68	8.3	ND	U
208-96-8	Acenaphthylene	0.53	8.3	ND	U
83-32-9	Acenaphthene	0.60	8.3	ND	U
86-73-7	Fluorene	0.45	8.3	ND	U
85-01-8	Phenanthrene	1.3	8.3	ND	U
120-12-7	Anthracene	0.43	8.3	ND	U
206-44-0	Fluoranthene	1.3	8.3	ND	U
129-00-0	Pyrene	0.57	8.3	ND	U
56-55-3	Benzo(a)anthracene	0.57	8.3	ND	U
218-01-9	Chrysene	0.63	8.3	ND	U
205-99-2	Benzo(b)fluoranthene	0.57	8.3	ND	U
207-08-9	Benzo(k)fluoranthene	0.43	8.3	ND	U
50-32-8	Benzo(a)pyrene	0.38	8.3	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	ND	U
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	ND	U

ND = Not Detected
Q = Qualifier

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

SBLKCO

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab File ID: 0052518-BLK1A66 Lab Sample ID: 0052518-BLK1

Instrument ID: 5972HP66 Date Extracted: 05/25/10

Matrix: (soil/water) SOIL Date Analyzed: 06/01/10

Level:(low/med) LOW Time Analyzed: 1909

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SCOLCS	0052518-BS1	0052518-BS1A	06/01/10
02	SB44-5-6MS	0052518-MS1	0052518-MS1A	06/01/10
03	SB44-5-6MSD	0052518-MSD1	0052518-MSD1	06/01/10
04	SB44-5-6	1005134-18	1005134-18A6	06/01/10
05	SS33-0-1	1005134-06	1005134-06A6	06/01/10
06	SB33-4-5	1005134-07	1005134-07A6	06/01/10
07	SB31-5-6	1005134-08	1005134-08A6	06/01/10
08	SS31-0-1	1005134-09	1005134-09A6	06/01/10
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COMMENTS:

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SBLKCO

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0052518-BLK1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0052518-BLK1A66
Analyst: 2650

% Moisture: _____ decanted: (Y/N) ___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK1

Date Extracted: 05/25/10
Date Analyzed: 06/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	ND	U
91-57-6	2-Methylnaphthalene	0.68	8.3	ND	U
208-96-8	Acenaphthylene	0.53	8.3	ND	U
83-32-9	Acenaphthene	0.60	8.3	ND	U
86-73-7	Fluorene	0.45	8.3	ND	U
85-01-8	Phenanthrene	1.3	8.3	ND	U
120-12-7	Anthracene	0.43	8.3	ND	U
206-44-0	Fluoranthene	1.3	8.3	ND	U
129-00-0	Pyrene	0.57	8.3	ND	U
56-55-3	Benzo(a)anthracene	0.57	8.3	ND	U
218-01-9	Chrysene	0.63	8.3	ND	U
205-99-2	Benzo(b)fluoranthene	0.57	8.3	ND	U
207-08-9	Benzo(k)fluoranthene	0.43	8.3	ND	U
50-32-8	Benzo(a)pyrene	0.38	8.3	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	ND	U
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

SBLKOC

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab File ID: 0052518-BLK1J2B70 Lab Sample ID: 0052518-BLK2

Instrument ID: 5972HP70 Date Extracted: 05/25/10

Matrix: (soil/water) SOIL Date Analyzed: 07/01/10

Level:(low/med) LOW Time Analyzed: 2226

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SS32-0-1	1005134-10	1005134-10B7	07/01/10
02	SS32D-0-1	1005134-11	1005134-11B7	07/01/10
03	SB32-2.5-3.5	1005134-12	1005134-12B7	07/02/10
04	SB32D-2.5-3.5	1005134-13	1005134-13B7	07/02/10
05	SB50-1-2	1005134-14	1005134-14B7	07/02/10
06	SS12-0-1	1005134-15	1005134-15B7	07/02/10
07	SB12-2-3	1005134-16	1005134-16B7	07/02/10
08	SS44-0-1	1005134-17	1005134-17B7	07/02/10
09	SB43-3-4	1005134-20	1005134-20JA	07/02/10
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COMMENTS:

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SBLKOC

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0052518-BLK2
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0052518-BLK1J2B70
Analyst: TD

% Moisture: _____ decanted: (Y/N) ___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK2

Date Extracted: 05/25/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	0.74	J
91-57-6	2-Methylnaphthalene	0.68	8.3	ND	U
208-96-8	Acenaphthylene	0.53	8.3	ND	U
83-32-9	Acenaphthene	0.60	8.3	ND	U
86-73-7	Fluorene	0.45	8.3	ND	U
85-01-8	Phenanthrene	1.3	8.3	ND	U
120-12-7	Anthracene	0.43	8.3	ND	U
206-44-0	Fluoranthene	1.3	8.3	ND	U
129-00-0	Pyrene	0.57	8.3	ND	U
56-55-3	Benzo(a)anthracene	0.57	8.3	ND	U
218-01-9	Chrysene	0.63	8.3	ND	U
205-99-2	Benzo(b)fluoranthene	0.57	8.3	ND	U
207-08-9	Benzo(k)fluoranthene	0.43	8.3	ND	U
50-32-8	Benzo(a)pyrene	0.38	8.3	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	ND	U
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

SBLKEI

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab File ID: 0060203-BLK1A70 Lab Sample ID: 0060203-BLK1

Instrument ID: 5972HP70 Date Extracted: 06/02/10

Matrix: (soil/water) SOIL Date Analyzed: 06/30/10

Level:(low/med) LOW Time Analyzed: 1748

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SEILCS	0060203-BS1	0060203-BS1A	06/30/10
02	SB44-5-6RE	1005134-18RE1	1005134-18RA	06/30/10
03	SB44-5-6REMS	0060203-MS1	0060203-MS1A	06/30/10
04	SB44-5-6REMSD	0060203-MSD1	0060203-MSD1	06/30/10
05	SS33-0-1RE	1005134-06RE1	1005134-06RA	06/30/10
06	SB33-4-5RE	1005134-07RE1	1005134-07RA	06/30/10
07	SB31-5-6RE	1005134-08RE1	1005134-08RA	06/30/10
08	SS31-0-1RE	1005134-09RE1	1005134-09RA	06/30/10
09	SS32-0-1RE	1005134-10RE1	1005134-10RA	06/30/10
10	SB32-2.5-3.5RE	1005134-12RE1	1005134-12RB	07/01/10
11	SB32D-2.5-3.5RE	1005134-13RE1	1005134-13RB	07/01/10
12	SB50-1-2RE	1005134-14RE1	1005134-14RB	07/01/10
13	SS12-0-1RE	1005134-15RE1	1005134-15RB	07/01/10
14	SB12-2-3RE	1005134-16RE1	1005134-16RB	07/01/10
15	SS44-0-1RE	1005134-17RE1	1005134-17RB	07/01/10
16	SS43-0-1	1005134-19	1005134-19RB	07/01/10
17	SB43-3-4RE	1005134-20	1005134-20RB	07/01/10
18	SS32D-0-1RE	1005134-11RE1	1005134-11RB	07/01/10
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COMMENTS:

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SBLKEI

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0060203-BLK1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0060203-BLK1A70
Analyst: OWS

% Moisture: _____ decanted: (Y/N)___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

Date Extracted: 06/02/10
Date Analyzed: 06/30/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	0.87	J
91-57-6	2-Methylnaphthalene	0.68	8.3	ND	U
208-96-8	Acenaphthylene	0.53	8.3	ND	U
83-32-9	Acenaphthene	0.60	8.3	ND	U
86-73-7	Fluorene	0.45	8.3	ND	U
85-01-8	Phenanthrene	1.3	8.3	ND	U
120-12-7	Anthracene	0.43	8.3	ND	U
206-44-0	Fluoranthene	1.3	8.3	ND	U
129-00-0	Pyrene	0.57	8.3	ND	U
56-55-3	Benzo(a)anthracene	0.57	8.3	ND	U
218-01-9	Chrysene	0.63	8.3	ND	U
205-99-2	Benzo(b)fluoranthene	0.57	8.3	ND	U
207-08-9	Benzo(k)fluoranthene	0.43	8.3	ND	U
50-32-8	Benzo(a)pyrene	0.38	8.3	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	ND	U
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

F. Form VIII

Internal standard area and retention time data

(VOA and SV only)

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab File ID (Standard): 0E25012-CCV1A66 Date Analyzed: 05/25/10

Instrument ID: 5972HP66 Time Analyzed: 1842

		IS1(CRY) AREA #	RT #	IS2(PRY) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	85416	19.33	76342	21.95	32289	5.55
	UPPER LIMIT	170832	19.83	152684	22.45	64578	6.05
	LOWER LIMIT	42708	18.83	38171	21.45	16145	5.05
	CLIENT SAMPLE NO.						
01	SBPLCSD	137416	19.32	131639	21.95	28030	5.56
02	SS02-0-1	150612	19.34	100975	21.96	26870	5.56
03	SS02D-0-1	170695	19.34	124803	21.96	30423	5.57
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IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab File ID (Standard): 0E25012-CCV1A66 Date Analyzed: 05/25/10

Instrument ID: 5972HP66 Time Analyzed: 1842

		IS4(NPT) AREA #	RT #	IS5(ANT) AREA #	RT #	IS6(PHN) AREA #	RT #
	12 HOUR STD	112116	7.80	52762	11.22	93685	14.09
	UPPER LIMIT	224232	8.30	105524	11.72	187370	14.59
	LOWER LIMIT	56058	7.30	26381	10.72	46843	13.59
	CLIENT SAMPLE NO.						
01	SBPLCSD	100906	7.80	46346	11.22	86084	14.09
02	SS02-0-1	87080	7.80	40194	11.23	101851	14.10
03	SS02D-0-1	107825	7.81	51011	11.23	119009	14.10
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IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab File ID (Standard): 0E26002-CCV1C66 Date Analyzed: 05/26/10

Instrument ID: 5972HP66 Time Analyzed: 0611

		IS1(CRY) AREA #	RT #	IS2(PRY) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	157952	19.34	126573	21.96	41032	5.56
	UPPER LIMIT	315904	19.84	253146	22.46	82064	6.06
	LOWER LIMIT	78976	18.84	63287	21.46	20516	5.06
	CLIENT SAMPLE NO.						
01	SBLKBP	179070	19.34	144331	21.96	45579	5.57
02	SBPLCS	140645	19.34	109682	21.96	27317	5.56
03	SB02-5-6	216845	19.33	150024	21.96	37976	5.56
04	SB02D-5-6	206624	19.34	148035	21.96	33001	5.56
05	SB05-7-8	208993	19.34	165009	21.96	54384	5.57
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IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab File ID (Standard): 0E26002-CCV1C66 Date Analyzed: 05/26/10

Instrument ID: 5972HP66 Time Analyzed: 0611

		IS4(NPT) AREA	#	RT	#	IS5(ANT) AREA	#	RT	#	IS6(PHN) AREA	#	RT	#
	12 HOUR STD	146916		7.80		68609		11.23		134040		14.10	
	UPPER LIMIT	293832		8.30		137218		11.73		268080		14.60	
	LOWER LIMIT	73458		7.30		34305		10.73		67020		13.60	
	CLIENT SAMPLE NO.												
01	SBLKBP	161749		7.81		74966		11.23		141759		14.10	
02	SBPLCS	94276		7.80		45876		11.23		96377		14.10	
03	SB02-5-6	132581		7.80		64508		11.23		169778		14.10	
04	SB02D-5-6	120837		7.80		59298		11.23		158585		14.10	
05	SB05-7-8	194813		7.81		89104		11.23		195451		14.10	
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IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab File ID (Standard): 0F01008-CCV1A66 Date Analyzed: 06/01/10

Instrument ID: 5972HP66 Time Analyzed: 1329

		IS1(CRY) AREA #	RT #	IS2(PRY) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	245547	19.33	214161	21.96	103604	5.53
	UPPER LIMIT	491094	19.83	428322	22.46	207208	6.03
	LOWER LIMIT	122773	18.83	107081	21.46	51802	5.03
	CLIENT SAMPLE NO.						
01	SBLKCO	233866	19.34	211321	21.97	103051	5.56
02	SCOLCS	316799	19.34	273432	21.99	133841	5.56
03	SB44-5-6MS	181970	19.34	162275	21.98	81655	5.54
04	SB44-5-6MSD	148207	19.34	140282	21.98	67845	5.54
05	SB44-5-6	159882	19.34	141222	21.98	77938	5.54
06	SS33-0-1	347178	19.34	315218	21.98	143206	5.54
07	SB33-4-5	126393	19.34	114592	21.98	58711	5.55
08	SB31-5-6	163852	19.34	142423	21.98	72934	5.54
09	SS31-0-1	225116	19.35	199270	21.99	92212	5.55
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IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab File ID (Standard): 0F01008-CCV1A66 Date Analyzed: 06/01/10

Instrument ID: 5972HP66 Time Analyzed: 1329

		IS4(NPT) AREA #	RT #	IS5(ANT) AREA #	RT #	IS6(PHN) AREA #	RT #
	12 HOUR STD	383434	7.77	162715	11.19	275979	14.07
	UPPER LIMIT	766868	8.27	325430	11.69	551958	14.57
	LOWER LIMIT	191717	7.27	81357	10.69	137989	13.57
	CLIENT SAMPLE NO.						
01	SBLKCO	364868	7.79	165688	11.20	288808	14.09
02	SCOLCS	499225	7.79	219909	11.20	400412	14.09
03	SB44-5-6MS	272259	7.79	125616	11.20	218224	14.09
04	SB44-5-6MSD	220551	7.79	102702	11.20	179719	14.09
05	SB44-5-6	249084	7.79	115707	11.20	200744	14.09
06	SS33-0-1	542679	7.79	243006	11.20	435495	14.09
07	SB33-4-5	175009*	7.79	87410	11.21	148715	14.10
08	SB31-5-6	220504	7.79	114695	11.20	202676	14.10
09	SS31-0-1	339629	7.79	150173	11.20	267466	14.09
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IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab File ID (Standard): 0F30008-CAL3A70 Date Analyzed: 06/30/10

Instrument ID: 5972HP70 Time Analyzed: 1422

		IS1(CRY) AREA #	RT #	IS2(PRY) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	149459	19.45	119648	22.29	30058	4.82
	UPPER LIMIT	298918	19.95	239296	22.79	60116	5.32
	LOWER LIMIT	74729	18.95	59824	21.79	15029	4.32
	CLIENT SAMPLE NO.						
01	SBLKEI	84892	19.45	74334	22.29	27489	4.84
02	SEILCS	102241	19.45	85770	22.29	25107	4.85
03	SB44-5-6RE	86810	19.45	78227	22.28	22570	4.84
04	SB44-5-6REMS	122328	19.45	95289	22.28	31054	4.84
05	SB44-5-6REMSD	182865	19.45	135494	22.29	34490	4.84
06	SS33-0-1RE	79526	19.45	60397	22.28	31002	4.84
07	SB33-4-5RE	96877	19.45	80778	22.28	27336	4.84
08	SB31-5-6RE	136687	19.45	121794	22.28	39872	4.84
09	SS31-0-1RE	147523	19.45	134668	22.29	38854	4.84
10	SS32-0-1RE	142378	19.46	129415	22.29	36511	4.84
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IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab File ID (Standard): 0F30008-CAL3A70 Date Analyzed: 06/30/10

Instrument ID: 5972HP70 Time Analyzed: 1422

		IS4(NPT) AREA #	RT #	IS5(ANT) AREA #	RT #	IS6(PHN) AREA #	RT #
	12 HOUR STD	116045	7.13	79465	10.76	183132	13.83
	UPPER LIMIT	232090	7.63	158930	11.26	366264	14.33
	LOWER LIMIT	58023	6.63	39733	10.26	91566	13.33
	CLIENT SAMPLE NO.						
01	SBLKEI	95449	7.14	58222	10.75	115795	13.83
02	SEILCS	89008	7.15	56668	10.76	122372	13.84
03	SB44-5-6RE	80998	7.14	51074	10.76	106457	13.83
04	SB44-5-6REMS	114880	7.14	70686	10.76	144570	13.83
05	SB44-5-6REMSD	129340	7.13	84156	10.75	179244	13.83
06	SS33-0-1RE	111060	7.13	65904	10.75	106565	13.83
07	SB33-4-5RE	97561	7.13	59734	10.75	116595	13.83
08	SB31-5-6RE	154816	7.13	97513	10.75	189469	13.83
09	SS31-0-1RE	146537	7.13	92960	10.75	183233	13.83
10	SS32-0-1RE	139087	7.13	88604	10.76	175741	13.83
11							
12							
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IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab File ID (Standard): 0G01002-CCV2B70 Date Analyzed: 07/01/10

Instrument ID: 5972HP70 Time Analyzed: 0201

		IS1(CRY) AREA #	RT #	IS2(PRY) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	139821	19.46	121421	22.30	29371	4.82
	UPPER LIMIT	279642	19.96	242842	22.80	58742	5.32
	LOWER LIMIT	69911	18.96	60711	21.80	14685	4.32
	CLIENT SAMPLE NO.						
01	SB32-2.5-3.5RE	94227	19.46	84126	22.29	25037	4.84
02	SB32D-2.5-3.5RE	142790	19.46	130654	22.30	32352	4.84
03	SB50-1-2RE	95973	19.46	86212	22.29	38158	4.84
04	SS12-0-1RE	182679	19.45	171674	22.29	34346	4.84
05	SB12-2-3RE	124086	19.46	117135	22.30	31029	4.84
06	SS44-0-1RE	110369	19.46	90712	22.30	47360	4.84
07	SS43-0-1	269824	19.47	185138	22.31	39021	4.84
08	SB43-3-4RE	137383	19.46	132950	22.30	45446	4.84
09	SS32D-0-1RE	144500	19.47	143743	22.30	42521	4.84
10							
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IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab File ID (Standard): 0G01002-CCV2B70 Date Analyzed: 07/01/10

Instrument ID: 5972HP70 Time Analyzed: 0201

		IS4(NPT) AREA #	RT #	IS5(ANT) AREA #	RT #	IS6(PHN) AREA #	RT #
	12 HOUR STD	107096	7.13	74653	10.76	157713	13.83
	UPPER LIMIT	214192	7.63	149306	11.26	315426	14.33
	LOWER LIMIT	53548	6.63	37327	10.26	78857	13.33
	CLIENT SAMPLE NO.						
01	SB32-2.5-3.5RE	87619	7.13	59094	10.76	124592	13.84
02	SB32D-2.5-3.5RE	117403	7.13	78416	10.76	173582	13.83
03	SB50-1-2RE	143170	7.13	85544	10.76	142496	13.83
04	SS12-0-1RE	135447	7.13	95816	10.76	205712	13.83
05	SB12-2-3RE	110228	7.13	70226	10.76	140232	13.83
06	SS44-0-1RE	164100	7.14	90459	10.76	152665	13.83
07	SS43-0-1	143669	7.13	99575	10.75	201351	13.83
08	SB43-3-4RE	174330	7.14	101290	10.76	179194	13.84
09	SS32D-0-1RE	157966	7.14	92891	10.76	175091	13.84
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IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab File ID (Standard): 0G01012-CCV1B70 Date Analyzed: 07/01/10

Instrument ID: 5972HP70 Time Analyzed: 2148

		IS1(CRY) AREA #	RT #	IS2(PRY) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	211544	19.50	196172	22.34	42728	4.85
	UPPER LIMIT	423088	20.00	392344	22.84	85456	5.35
	LOWER LIMIT	105772	19.00	98086	21.84	21364	4.35
	CLIENT SAMPLE NO.						
01	SBLKOC	116480	19.50	107117	22.34	35331	4.85
02	SS32-0-1	119424	19.49	111958	22.34	35069	4.84
03	SS32D-0-1	120876	19.49	105538	22.33	30568	4.85
04	SB32-2.5-3.5	116787	19.49	104247	22.34	29311	4.84
05	SB32D-2.5-3.5	164797	19.49	153413	22.34	42213	4.85
06	SB50-1-2	133006	19.49	120550	22.34	36813	4.84
07	SS12-0-1	219418	19.48	188759	22.33	47728	4.84
08	SB12-2-3	132665	19.49	114250	22.34	31412	4.84
09	SS44-0-1	119064	19.49	104086	22.34	30265	4.84
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IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab File ID (Standard): 0G01012-CCV1B70 Date Analyzed: 07/01/10

Instrument ID: 5972HP70 Time Analyzed: 2148

		IS4(NPT) AREA #	RT #	IS5(ANT) AREA #	RT #	IS6(PHN) AREA #	RT #
	12 HOUR STD	174563	7.16	120567	10.78	248062	13.87
	UPPER LIMIT	349126	7.66	241134	11.28	496124	14.37
	LOWER LIMIT	87281	6.66	60283	10.28	124031	13.37
	CLIENT SAMPLE NO.						
01	SBLKOC	132050	7.15	77894	10.78	150681	13.87
02	SS32-0-1	131281	7.15	82717	10.77	154616	13.86
03	SS32D-0-1	118394	7.15	74884	10.77	154489	13.86
04	SB32-2.5-3.5	113501	7.15	71807	10.78	151759	13.86
05	SB32D-2.5-3.5	164831	7.15	100259	10.77	206679	13.86
06	SB50-1-2	139040	7.15	89754	10.77	182560	13.86
07	SS12-0-1	191999	7.14	122311	10.77	248314	13.85
08	SB12-2-3	117437	7.14	75259	10.77	153697	13.86
09	SS44-0-1	117367	7.14	69403	10.77	154714	13.86
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IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab File ID (Standard): 0G02006-CCV1A70 Date Analyzed: 07/02/10

Instrument ID: 5972HP70 Time Analyzed: 1030

		IS1(CRY) AREA #	RT #	IS2(PRY) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	111435	19.52	109271	22.37	21727	4.84
	UPPER LIMIT	222870	20.02	218542	22.87	43454	5.34
	LOWER LIMIT	55717	19.02	54635	21.87	10863	4.34
	CLIENT SAMPLE NO.						
01	SB43-3-4	104242	19.52	92860	22.37	28450	4.84
02							
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IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab File ID (Standard): 0G02006-CCV1A70 Date Analyzed: 07/02/10

Instrument ID: 5972HP70 Time Analyzed: 1030

		IS4(NPT) AREA #	RT #	IS5(ANT) AREA #	RT #	IS6(PHN) AREA #	RT #
	12 HOUR STD	98104	7.15	66515	10.79	136843	13.88
	UPPER LIMIT	196208	7.65	133030	11.29	273686	14.38
	LOWER LIMIT	49052	6.65	33257	10.29	68421	13.38
	CLIENT SAMPLE NO.						
01	SB43-3-4	116254	7.15	74982	10.78	146356	13.88
02							
03							
04							
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IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

CompuChem, a Division of Liberty Analytical Corporation

I. SAMPLE DATA PACKAGE

GC/MS by SW-846

Modified For Selected Ion Monitoring (SIM)

The sample data package shall include data for all analyses of all samples in one Sample Delivery Group (SDG), including field samples, dilutions, reanalyses, blanks, matrix spikes, matrix spike duplicates, and laboratory control samples. The sample data package consists of the following:

A. SDG Narrative

B. Chain-of-Custody Documentation

C. SDG Data

LAB CODE: LIBRTY METHOD: 8270C

SDG # : 1005134

A. SDG Narrative

CompuChem

a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG # 1005134
PROTOCOL: SW-846
Date: July 07, 2010

SAMPLE IDENTIFICATIONS: SB02-5-6, SB02D-5-6, SB05-7-8, SB12-2-3, SB12-2-3RE, SB31-5-6, SB31-5-6RE, SB32-2.5-3.5, SB32-2.5-3.5RE, SB32D-2.5-3.5, SB32D-2.5-3.5RE, SB33-4-5, SB33-4-5RE, SB43-3-4, SB43-3-4RE, SB44-5-6, SB44-5-6RE, SB44-5-6MS, SB44-5-6REMS, SB44-5-6MSD, SB44-5-6REMSD, SB50-1-2, SB50-1-2RE, SS02-0-1, SS02D-0-1, SS12-0-1, SS12-0-1RE, SS31-0-1, SS31-0-1RE, SS32-0-1, SS32-0-1RE, SS32D-0-1, SS32D-0-1RE, SS33-0-1, SS33-0-1RE, SS43-0-1, SS44-0-1, and SS44-0-1RE

The soil samples listed above were received intact, in sealed shipping containers, on May 14, 19, and 21, 2010. The cooler temperatures associated with these samples were 1.7, 3.6, 4.3, 3.9, and 3.1 °C.

The samples were scheduled for the requested analysis of the semivolatile Selected Ion Monitoring (SIM) fraction.

SW-846, 3rd Edition, Update 3, Sonication extraction (Method 3550B), and Method 8270C Selected Ion Monitoring (SIM) were used to prepare and analyze these samples, with the exceptions and/or additions requested by the client. This portion of the narrative deals with the semivolatile Selected Ion Monitoring (SIM) fraction only.

The percent moisture value for these samples ranged from 3 to 28.

Semivolatile SIM

Holding time requirements were met for the initial extraction of all of these samples. QC criteria for the surrogate standard 2-Fluorobiphenyl were not met in the analysis of the initial extracts of method blank SBLKCO and laboratory control sample SCOLCS and the spike recoveries were not met for the SCOLCS. Samples SB12-2-3, SB31-5-6, SB32-2.5-3.5, SB32D-2.5-3.5, SB33-4-5, SB43-3-4, SB44-5-6, SB44-5-6MS, SB44-5-6MSD, SB50-1-2, SS12-0-1, SS31-0-1, SS32-0-1, SS32D-0-1, SS33-0-1, SS43-0-1, and SS44-0-1, associated with these method blank and laboratory control sample, were re-extracted. The re-extraction was performed outside of holding time requirements. The analysis of the second extract met all quality control criteria. We have reported both analyses of these samples with the exception of sample SS43-0-1. There was no sample extract left in the vial for the initial extraction of sample SS43-0-1. Only the results of the second extraction are being reported for this sample.

There were no semivolatile SIM target compound list (TCL) analytes identified above the Contract Required Quantitation Limits (CRQLs) in any of these samples.

There is no Form VII in the deliverables package for the batch analyzed on instrument 5972HP70 on 06/30/2010, associated with the FC-43 scan injected at 1204. This batch included an initial calibration and the relevant relative response factors are all displayed on the appropriate Form VI. The initial calibration met all acceptance criteria and therefore samples could be analyzed without having to inject a continuing calibration verification standard.

Manual integrations were performed on one or more of the process files associated with this SDG. Please see the detailed Manual Integration Summary report that is located behind this SDG narrative. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

Mass assignments were verified by the injections of Perfluorotributylamine for the SIM analysis.

Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All of the surrogates met recovery criteria in the analyses of these samples, with the exception of samples SB31-5-6, SB33-4-5, SB44-5-6, SB44-5-6RE, SB44-5-6MS, SB44-5-6MSD, SS31-0-1, SS32-0-1, and SS33-0-1, the method blank SBLKCO, and the laboratory control sample SCOLCS. In the analyses of the samples SB31-5-6, SB33-4-5, SB44-5-6, SB44-5-6RE, SB44-5-6MS, SB44-5-6MSD, SS31-0-1, SS32-0-1, and SS33-0-1, the method blank SBLKCO, and the laboratory control sample SCOLCS, the recovery of the surrogate, 2-Fluorobiphenyl, was bias low and failed quality control criteria and in the analysis of the sample SS32-0-1, the recovery of the surrogate, Terphenyl-d_{14}, was bias low and failed quality control criteria. All samples, associated with the method blank SBLKCO and the laboratory control sample SCOLCS, were re-extracted outside of holding time requirements. The analysis of the second extract met all quality control criteria. We have reported both analyses of these samples with the exception of sample SS43-0-1. There was no sample extract left in the vial for the initial extraction of sample SS43-0-1. Only the results of the second extraction are being reported for this sample.

All of the internal standards met response and retention time criteria in the analyses of these samples, with the exception of sample SB33-4-5. In the initial analysis of sample SB33-4-5, the response of Naphthalene-d_8 internal standard was low and outside the quality control criteria. This sample was re-extracted outside of holding time requirements. All of the internal standards met response and retention time criteria in the re-extract. We have reported both analyses of this sample.

The associated method blanks met all quality control criteria, with the exception of the method blank SBLKCO. In the analysis of the method blank SBLKCO, the recovery of the surrogate, 2-Fluorobiphenyl, was bias low and failed quality control criteria. All samples, associated with this method blank, were re-extracted outside of holding time requirements. The analysis of the second extract met all quality control criteria.

Sample SB44-5-6 was used as the original to prepare the duplicate matrix spikes as requested. The associated duplicate matrix spikes met overall accuracy criteria. The recovery of the spike compound Fluorene in the SB44-5-6MS and the recoveries of the spike compounds Acenaphthylene and Fluorene in the SB44-5-6MSD were bias low and failed the quality control criteria. These compounds were flagged as outliers in the duplicate matrix spike samples. All Relative Percent Difference (RPD) precision criteria were met in the comparison of the duplicate matrix spike samples.

The associated Laboratory Control Samples, SPBLCS and SPBLCSD, prepared and analyzed along with these samples, met all accuracy criteria. With four exceptions, the associated Laboratory Control Samples SPBLCS and SPBLCSD, met all precision criteria. The Relative Percent Differences (RPDs) of the spike compounds Fluorene, Indeno(1,2,3-cd)pyrene, Dibenzo(a,h)anthracene, and Benzo(g,h,i)perylene in the comparison of these laboratory control samples were high and failed the quality control criteria. These compounds were flagged as outliers in these laboratory control samples. None of these compounds were detected above the CRQLs in the associated samples.

The associated Laboratory Control Sample, SCOLCS, prepared and analyzed along with these samples, did not meet the accuracy criteria. None of the spike compounds were recovered in this LCS. All samples, associated with this LCS, were re-extracted outside of holding time requirements. The analysis of the second extract met all quality control criteria.

An uncertainty of these test results may be estimated from the recovery of the surrogates added to the sample prior to sample preparation or from the recovery of spiked compound(s) in the associated laboratory control sample. Further information is available upon request.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Furthermore, I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice. Release of the data contained in this hardcopy data package and in the computer-readable data submitted electronically has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

S. A. Parikh

Saroj A. Parikh
Data Reviewer
July 07, 2010

Manual Integrations											
SDG: 1005734											
				Samples							
	-03	-04	-08RE	-07	-07RE	-20RE	-01	-02	-15RE	-09	-09RE
Compound											
Naphthalene						✓			✓		
2-Methylnaphthalene											
1-Methylnaphthalene											
Acenaphthylene											
Acenaphthene											
Fluorene											
Phenanthrene											
Anthracene											
Fluoranthene											
Pyrene		✓					✓				
Benzo(a)anthracene											
Chrysene				✓							
Benzo(b)fluoranthene											
Benzo(k)fluoranthene							✓	✓			
Benzo(a)pyrene										✓	
Indeno(1,2,3-cd)pyrene			✓		✓					✓	✓
Dibenzo(a,h)anthracene	✓										
Benzo(g,h,i)perylene	✓										
1,4-Dichlorobenzene-d4											
Naphthalene-d8											
Acenaphthene-d10											
Phenanthrene-d10											
Chrysene-d12											
Perylene-d12						✓					
2-Fluorophenol											
Phenol-d5											
Nitrobenzene-d5											
2,4,6-Tribromophenol											
2-Fluorobiphenyl											
Terphenyl-d14											
"X" Denotes a manual integration for the compound											

"✓" SAS 07/07/10

Manual Integrations											
SDG: 100 5134										SEI LCS	
				Samples							
	060101226V1	#10	11RE	12RE	13	14RE	15	16	17	~~18~~ 7/6/10	-19RE
Compound											
Naphthalene				✓							
2-Methylnaphthalene											
1-Methylnaphthalene											
Acenaphthylene											
Acenaphthene											
Fluorene											
Phenanthrene											
Anthracene											
Fluoranthene											
Pyrene											
Benzo(a)anthracene											
Chrysene											
Benzo(b)fluoranthene							✓				
Benzo(k)fluoranthene											
Benzo(a)pyrene											
Indeno(1,2,3-cd)pyrene	✓		✓	✓		✓				✓	✓
Dibenzo(a,h)anthracene											
Benzo(g,h,i)perylene											
1,4-Dichlorobenzene-d4											
Naphthalene-d8											
Acenaphthene-d10											
Phenanthrene-d10											
Chrysene-d12											
Perylene-d12											
2-Fluorophenol											
Phenol-d5											
Nitrobenzene-d5											
2,4,6-Tribromophenol											
2-Fluorobiphenyl											
Terphenyl-d14											
"✓" Denotes a manual integration for the compound											

"✓" SOP 07107/10

Manual Integrations												
SDG: 1005134												
	06020061 ccv 1			Samples								
		REMS	REMSD									
Compound												
Naphthalene												
2-Methylnaphthalene												
1-Methylnaphthalene												
Acenaphthylene												
Acenaphthene												
Fluorene												
Phenanthrene												
Anthracene												
Fluoranthene												
Pyrene												
Benzo(a)anthracene												
Chrysene												
Benzo(b)fluoranthene												
Benzo(k)fluoranthene												
Benzo(a)pyrene												
Indeno(1,2,3-cd)pyrene	✓	✓	✓									
Dibenzo(a,h)anthracene												
Benzo(g,h,i)perylene												
1,4-Dichlorobenzene-d4												
Naphthalene-d8												
Acenaphthene-d10												
Phenanthrene-d10												
Chrysene-d12												
Perylene-d12												
2-Fluorophenol												
Phenol-d5												
Nitrobenzene-d5												
2,4,6-Tribromophenol												
2-Fluorobiphenyl												
Terphenyl-d14												
"X" Denotes a manual integration for the compound												

"✓" SAR 07/07/10

	GC and GC/MS Column and Trap Specifications Table							
SDG #:	1005134							
				COLUMNS				
Columns Utilized	Brand Name	Coating Material		ID (mm)	Film Thickness (um)			Length (m)
	GC Laboratory							
	Restek	RTX-5		0.53	1.0			30
	Restek	RTX-SMS		0.53	1.0			30
	Restek	clpest		0.32	0.5			30
	Restek	clpest2		0.32	0.42			30
	J&W	DB-210		0.53	1.0			30
	J&W	GS-GASPRO		0.32	N/A			30
	GC Volatiles Laboratory							
	Restek	RTX-Volatiles		0.53	2.0			30
	GC/MS Volatiles Laboratory							
	Restek	RTX-VMS		0.18	1.0			20
	Supelco	SPB-624		0.32	1.8			60
	Supelco	SPB-624		0.53	3.0			75
	Phenomonex	ZB-624		0.32	1.8			60
	GC/MS Semivolatiles Laboratory							
X	Restek	RTX-5MS		0.32	0.25			30
	Phenomonex	ZB-5MS		0.32	0.25			30
	HPLC Laboratory							
	Supelco	Supelcosil LC-PAH		4.6	5.0			15 cm
	Supelco	Discovery RP Amide C16		4.6	5.0			25 cm
	Restek	Pinnacle Cyano		4.6	5.0			25 cm
	Restek	Allure C18		4.6	5.0			25 cm
			TRAPS *					
	GC and GC/MS Volatiles Laboratory							
	Supelco J (BETXTRAP™)		* 7.7 cm Carbopack C					
			* 1.2 cm Carbopack B					
	Supelco K (Vocarb3000)		* 10 cm of Carbopack B (Graphitized Carbons)					
			* 6 cm of Carboxen 1000 (Carbon molecular sieves)					
			* 1 cm of Carboxen 1001 (Carbon molecular sieves)					
								Rev. 28

* This table contains the GC columns (and volatile organic trap) used for the analysis of volatiles, semi-voaltiles, pesticides, and Aroclors by the SOM01.2 SOW.

Please see the SDG Narrative(s) for the specific fractions(s) relative to this SDG.

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CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.).

Revision 6 (12/6/2005)

CompuChem

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Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC chemists. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC analysis. The manual editing/integration flags are:

M - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak.

H - Denotes that the data reviewer, GC/MS operator, or GC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

MH - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.

L - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

The EPA CLP SOW documents require additional explanations for manual editing/integration. In the accompanying raw data packages, additional codes have been applied to the "M" flag and carry the following meanings;

M1 - The compound was not found by the automatic integration routine.

M2 - The compound was incorrectly integrated by the automatic integration routine.

M3 - The co-eluting compounds were incorrectly integrated by the automatic integration routine.

These codes will appear in the GC/MS and GC raw data.

Revision 7 (12/6/2005

DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each compound. The qualifiers used are:

U : This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J : This flag indicates an estimated value. The flag is used as detailed below:

1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1:1 is assumed for the TIC analyte,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide and/or Aroclor or other GC or HPLC identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.

N : This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search and must be used with the J flag. For generic characterization of a TIC such as "chlorinated hydrocarbon" (or for an "unknown," with no matches ≥85% in the SOM01.1 SOW), the N flag is not used.

P : In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the Form I and flagged with a P.
For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the higher of the two values is reported and flagged with a P. When the RPD is equal to or less than 40%, our policy is to also report the higher of the two values, although the choice could be a project specific issue. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

DATA REPORTING QUALIFIERS (continued)

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations (responses in the SOM01.1 SOW) exceed the upper level of the calibration range (exceed the response of the high ICAL standard in the SOM01.1 SOW) of the instrument for that specific analysis. If one or more compounds have a response greater than the upper level of the calibration range (greater than the response of the highest ICAL standard in the SOM01.1 SOW), the sample or extract will be diluted and reanalyzed. All such compounds with a response greater than the upper level of the calibration range (with responses greater than the response of the highest ICAL standard in the SOM01.1 SOW) will have the concentration (result in the SOM01.1 SOW) flagged with an E on Form I for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration (response in the SOM01.1 SOW) of an analyte exceeds the upper calibration range (exceeds the response of the highest ICAL standard in the SOM01.1 SOW), the DL suffix is appended to the sample number on the Form I for the more diluted sample, and **all** reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.

NOTE 1: The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.

NOTE 2: Separate Forms I are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses are not combined on a single Form I.

A: This flag indicates that a TIC is a suspected aldol-condensation product.

S: In the SOM01.1 SOW, this flag is used to indicate an estimated value for Aroclor target compounds where a valid 5-point initial calibration was not performed prior to the analytes detection in a sample. If an "S" flag is used for a specific Aroclor, then a reanalysis of the sample is required after a valid 5-point calibration is performed for the detected Aroclor.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y, and Z.

B. Chains-of-Custody

The laboratory shall include a copy of the Chain-of-Custody (CoC) documentation for all of the samples in the SDG. The CoC documents shall be arranged in increasing Client Sample ID number order, considering both letters and numbers.

24777

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CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page ____ of ____

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: VA Beach State: VA Zip: 23462
Project Contact: Rebekha Shaw
Phone #: 757-671-6279
Sampler's Name: KRogers / RDM

Project Information

Project Name: GTO-94
Sampling Location: MCB Camp Lejeune
Turnaround time
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Requested Analysis (Container Preservative and Bottle Type)

Lab Use Only	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other	Total Metals (6010B) 2oz	Total Chromium (6010B)	SIM PAHs (8270C) 8oz	TCL Pest (8081A)	Grain Size (ASTM D422) 8oz	Chromium VI (7196A)		Grain size	
1005132-01	BBG-SS73-0-1-10B	5-14-10	0825	SO	3							X		X	X	X	X		1005209-14	
—	BBG-SS73-0-1-10B-MS	5-14-10	0825	SO	3							X		X	X	X	X		—	
—	BBG-SS73-0-1-10B-SD	5-14-10	0825	SO	3							X		X	X	X	X		—	
1005132-13	BBG-SS84-0-1-10B	5-14-10	0855	SO	3							X		X	X	X	X		1005209-15	
-14	BBG-SB84-6-7-10B	5-14-10	0905	SO	3							X		X	X	X	X		√	-16
1005134-01	BBG-SS02-0-1-10B	5-14-10	0930	SO	3								X	X	X	X	X		√	-17
-02	BBG-SB02D-0-1-10B	5-14-10	0935	SO	3								X	X	X	(*X)	X		—	
-03	BBG-SB02-5-6-10B	5-14-10	0940	SO	3								X	X	X	X	X		1005209-18	
-04	BBG-SB02D-5-6-10B	5-14-10	0945	SO	3								X	X	X	(*X)	X		—	

Lab Use Only

Sample Unpacked By: Jennifer Dorey
Sample Order Entry By: Jennifer Dorey
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

*did not rec'd Grainsize for BBG-SS02D-01-10B or BBG-SB02D-5-6-10B not needed on "dups" GTO 5/14/10 or MS/MSD [illegible] 5/14/10

Relinquished by: [signature]	Date/Time: 5-14-10 1600	Received by: Diane Bond	Date/Time: 5-14-10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? Y or N If yes, where? Grain size to CT LABS
Custody Seal(s) intact? (Y) or N
On Ice? (Y) or N
Cooler Temp: 1.7 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

Matrix: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

Lab Use Only

SD 5/14/10 client delivered

24775

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CHAIN OF CUSTODY

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Page ____ of ____

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St. 101
City: VA Beach State: VA Zip: 23462
Project Contact: Rebekha Shaw
Phone #: 757-671-6279
Sampler's Name: K Rogers / RDM

Project Information

Project Name: CTO-94
Sampling Location: MCB Camp Lejeune
Turnaround time:
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Requested Analysis and Container Information

Matrix: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

Comm Chem Lab Use Only	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Total Metals (6010B) 20	Total Chromium (6010B)	Chromium VI (7196A)	SIM PAH's (8270C) 8	TCL PEST (8081A)	Grain Size (ASTM D422) 8					Sample Comments
1005132-07	BBG-SS83-0-1-10B	5-13-10	1555	SO	3							X		X	X	X	X		Grain Size	1005210-06		
-08	BBG-SB83-6.5-7.5-10B	5-13-10	1605	SO	3							X		X	X	X	X			-07		
-09	BBG-SS62-0-1-10B	5-13-10	1640	SO	3							X		X	X	X	X			-08		
1005130-20	BBG-SS05-0-1-10B	5-14-10	0800	SO	3							~~X~~	X	X	X	X	X			-09		
1005134-05	BBG-SB05-7-8-10B	5-14-10	0810	SO	3								X	X	X	X	X			-10		

Lab Use Only

Sample Unpacked By: Jennifer Davis
Sample Order Entry By:
Samples Received in Good Condition (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

Sample Custody

Relinquished by:	Date/Time: 5-14-10 1600	Received by: Diana Byrd	Date/Time: 5/14/10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:
Subcontract? Y or N If yes, where? Grain size to CTLTBS	Custody Seal(s) intact? Y or N	On Ice? (Y) or N	Cooler Temp: 3.6 °C

Samples stored 60 days after date report mailed at no extra charge.

client delivered

White & Yellow copy to lab • Pink copy for customer

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CHAIN OF CUSTODY

Page 1 of 2

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Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: VA BEACH State: VA Zip: 23462
Project Contact: REBEKHA SHAW
Phone #: 757-671-6279
Sampler's Name: K ROGERS/RON

Project Information

Project Name: CTO-94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or N
Are high concentrations expected? Y or N If yes, which ID(s)?

Requested Analysis (Include Method and Bottle Type)

Matrices
GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

CompuChem No. (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Tot Metals 6010B	Tot Chromium 6010B (Share 2oz)	Chrom. VI 7196A	SIM PAH 8270C (Share 80z.)	TCL PEST. 8081A	GRAIN SIZE ASTM D422 (1-8oz.)		Grain Size
1005134-06	BBG-SS33-0-1-10B	5.17	1158	SO	3								X	X	X	X	X		1005211-08
-07	BBG-SB33-5-5-10B	5.17	1200	SO	3								X	X	X	X	X		-09
-08	BBG-SB31-5-6-10B	5.17	1240	SO	3								X	X	X	X	X		-10
-09	BBG-SS31-0-1-10B	5.17	1225	SO	3								X	X	X	X	X		-11
1005134-01	BBG-SB73-9-10-10B	5.17	1500	SO	3							X		X	X	X	X		-12
-01	BBG-SB73-9-10-10B-MS	5.17	1500	SO	2							X		X	X	X			
-01	BBG-SB73-9-10-10B-SD	5.17	1500	SO	2							X		X	X	X			
1005134-10	BBG-SS32-0-1-10B	5.18	1100	SO	3								X	X	X	X	X		1005211-13
-11	BBG-SS32D-0-1-10B	5-18	1105	SO	3								X	X	X	X	X (Emt)		
-12	BBG-SB32-2.5-3.5-10B	5.18	1110	SO	3								X	X	X	X	X		1005211-14

Lab Use Only

Sample Unpacked By: K Manning
Sample Order Entry By:
Samples Received in Good Condition: Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Sample Custody

Relinquished by:	Date/Time: 5.18.10 1420	Received by: K Manning	Date/Time: 5.19.10 0905
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontract? Y or N If yes, where? Grain size to CT Labs
Custody Seal(s) intact? Y or N
On Ice? Y or N
Cooler Temp: 4.3 °C

Samples stored 60 days after date report mailed at no extra charge.

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SN0010

24781

Page 2 of 2

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CHAIN OF CUSTODY

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Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: VA Beach State: VA Zip: 23462
Project Contact: Rebekka Shaw
Phone #: 757-671-6279
Sampler's Name: K. Rogers

Project Information

Project Name: GTO-94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Requested Analysis (Include Method Number Here)

(Share 2oz.) Tot Metals 6010B
Tot Chromium 6010B
Chromium VI 7196A
(Share 8oz.) SIM PAH 8270C
TCL PEST. 8081A
GRAIN SIZE ASTM D422

Matrix

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

Comp/Chem Sample ID (Lab Use Only)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Tot Metals 6010B	Tot Chromium 6010B	Chromium VI 7196A	SIM PAH 8270C	TCL PEST. 8081A	GRAIN SIZE ASTM D422	Sample Type (Lab Use Only)
1005134-13	BB6-SB32D-2.5-3.5-10B	5.18	1115	SO	2								X	X	X	X		

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

Sample Custody

Relinquished by:	Date/Time: 5.18.10 1420	Received by: K. Manning	Date/Time: 5.19.10 0905
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? (Y) or N If yes, where? Grain size to CT LAB SAS 5/19/10
Custody Seal(s) intact? (Y) or N
On Ice? (Y) or N
Cooler Temp: 4.3 °C

Samples stored 60 days after date report mailed at no extra charge.

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SN0010

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CHAIN OF CUSTODY

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Page ____ of ____

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: Va Beach State: VA Zip: 23462
Project Contact: Rebekha Shaw
Phone #: 757-671-6279
Sampler's Name: K. Rogers

Project Information

Project Name: GTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N)? If yes, which ID(s)?

Required Analysis (Method and Bottle Type)

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

Gamma Chem No. (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B (Share)	Tot Cr 6010B 1-26Z.	Cr VI 7196A	SIM PAH 8270C (Share) 1-80Z.	TCL PEST 8081A	Grain Size ASTM D422 (1-80Z.)	Grain Size	Lab Use
1005132-15	BBG-SS81-0-1-10B	5.18	1600	SO	3							X		X	X	X	X	1005212-01	
-16	BBG-SS81-5-6-10B	5.18	1620	SO	3							X		X	X	X	X	-02	
1005133-11	BBG-SS67-0-1-10B	5.18	1700	SO	3							X		X	X	X	X	-03	
1005134-14	BBG-SB50-1-2-10B	5.18	1750	SO	3								X	X	X	X	X	-04	
1005132-17	BBG-SS71-0-1-10B	5.19	0735	SO	3							X		X	X	X	X	-05	
-18	BBG-SS71D-0-1-10B	5.19	0740	SO	3							X		X	X	X			
-19	BBG-SB71-4-5-10B	5.19	0755	SO	3							X		X	X	X	X	1005212-06	
-20	BBG-SB71D-4-5-10B	5.19	0800	SO	2							X		X	X	X			
1005133-12	BBG-SS72-0-1-10B	5.19	0835	SO	3							X		X	X	X	X	1005212-07	
-13	BBG-SB72-2-3-10B	5.19	0845	SO	3							X		X	X	X	X	-08	

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By: [illegible]
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or N (NA)
625 & Phenol samples checked for chlorine? Y or N (NA)
608 samples checked for pH between 5.0-9.0? Y or N (NA)

Sample Custody

Relinquished by: [signature]	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5.21.10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontract? (Y) or N If yes, where? Grain size to CTLABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 4.3 °C

Samples stored 60 days after date report mailed at no extra charge.

Client Delivery - KM 5.21.10

White & Yellow copy to lab • Pink copy for customer

SN0015

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CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page ____ of ____

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: VA BEACH State: VA Zip: 23462
Project Contact: Rebekka Shaw
Phone #: 757-671-6279
Sampler's Name: K. ROGERS

Project Information

Project Name: CTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER Contract
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Matrices
GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

Customer Sample ID	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Preserved: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B (Share 1-20z.)	Tot Cr 6010B	Cr VI 7196A	PAH 8270C (Share 1-80z. KM 5.21.10)	TCL Pest 8081A (1-80z.)	Grain Size ASTM D422		Grain Size	
1005133-14	BBG-SS88-0-1-10B	5.19	0910	SO	3							X		X	X	X	X		1005210-09	
-15	BBG-SB88-2.5-3.5-10B	5.19	0925	SO	3							X		X	X	X	X			-10
-16	BBG-SS76-0-1-10B	5.19	0955	SO	3							X		X	X	X	X			-11
-17	BBG-SB76-6-7-10B	5.19	1045	SO	3							X		X	X	X	X			-12
-18	BBG-SS87-0-1-10B	5.19	1145	SO	3							X		X	X	X	X			-13
-19	BBG-SB87-3-4-10B	5.19	1155	SO	3							X		X	X	X	X			-14
1005134-15	BBG-SS12-0-1-10B	5.19	1245	SO	3								X	X	X	X	X			-15
-16	BBG-SB12-2-3-10B	5.19	1255	SO	3								X	X	X	X	X			-16
1005157-02	BBG-SS51-0-1-10B	5.19	1630	SO	3							X		X	X	X	X			-17
-03	BBG-SS51D-0-1-10B	5.19	1635	SO	2							X		X	X	X				—

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or N (A)
625 & Phenol samples checked for chlorine? Y or N (A)
608 samples checked for pH between 5.0-9.0? Y or N (A)

Comments

Sample Custody

Relinquished by:	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5.21.10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontract? (Y) or N If yes, where? Grain size to CT LABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 3.9 °C

Samples stored 60 days after date report mailed at no extra charge.

KM 5.21.10 - Client Delivery

White & Yellow copy to lab • Pink copy for customer

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CHAIN OF CUSTODY

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Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page ____ of ____

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: Va Beach State: VA Zip: 23462
Project Contact: REBEKAH SHAW
Phone #: 757-671-6279
Sampler's Name: K. ROGERS

Project Information

Project Name: CTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Requested Analysis (Include Method and Bottle #)

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

(CompuChem Use Only)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B (Share 1-2oz.)	tot Cr 6010B	Cr VI 7196A	SIM PAH 8270C (Share 1-8oz.)	DU PEST 8081A (1-8oz.)	Grain Size ASTM D 422		Grain size		
1005157-04	BBG-SS90-0-1-10B	5.19	1455	SO	3							X		X	X	X	X		1005212-18		
-05	BBG-SB90-2-3-10B	5.19	1500	SO	3							X		X	X	X	X			-19	
1005134-17	BBG-SS44-0-1-10B	5.20	0810	SO	3								X	X	X	X	X			-20	
1005134-18	BBG-SB44-5-6-10B	5.20	0825	SO	3								X	X	X	X	X		1005213-01		
	BBG-SB44-5-6-10B-MS	5.20	0825	SO	2								X	X	X	X					
	BBG-SB44-5-6-10B-SD	5.20	0825	SO	2								X	X	X	X					
1005133-20	BBG-SS68-0-1-10B	5.20	0930 0830	SO	3							X		X	X	X	X		1005213-02		
1005134-19	BBG-SS43-0-1-10B	5.20	1035	SO	3								X	X	X	X	X			-03	
-20	BBG-SB43-3-4-10B	5.20	1045	SO	3								X	X	X	X	X			-04	

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Sample Comments

Relinquished by:	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5.21.10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? (Y) or N If yes, where? Grain size to CT LABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 3.1 °C

Client Delivery - KM 5/21/10

Samples stored 60 days after date report mailed at no extra charge.

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SN0015

WORK ORDER

1005134

Printed: 5/28/2010 6:52:43PM

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005134** **CASE:**	**Status:**	**Prepared**

Report To:
CH2M HILL, INC.
REBEKHA SHAW
5700 CLEVELAND STREET, SUITE 101
VIRGINIA BEACH, VA 23462
Phone: 757-671-8311
Fax: -

Invoice To:
CH2M HILL, INC.
ACCOUNTS PAYABLE
P.O. BOX 241329
DENVER, CO 80224
Phone :757-671-8311
Fax: -

Date Due:	06/10/2010 00:00 (20 day TAT)		
Received By:	Cathy Dover	Date Received:	05/21/2010 16:00
Logged In By:	Cathy Dover	Date Logged In:	05/16/2010 22:48

J & B Flags?: **YES**	TICS?:**NO**	Deliverable: **Style 9 PQL/MDL Forms**	EDD : **30) CH2 SNEDD**
Metals ND to? **RL/CRQL**	Spike Level: **FULL Spike**		

DOD CRITERIA*USE 1005134-18 FOR QC*SIM 8270C=PAH.SUB*PEST 8081A* METALS=TOTAL Cr ONLY*HEXAVALENT Cr 7196A + Cr+3 REPORTED ON FORMS & EDD

Analysis	Due	TAT	Expires	Received	Comments
1005134-01 SS02-0-1 [Soil] Sampled 05/14/2010 09:30 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/10/2010 09:30	05/14/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/10/2010 09:30	05/14/2010 16:00	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/10/2010 09:30	05/14/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/28/2010 09:30	05/14/2010 16:00	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/10/2010 09:30	05/14/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	05/28/2010 09:30	05/14/2010 16:00	SubList = GC- 8081 DOD
1005134-02 SS02D-0-1 [Soil] Sampled 05/14/2010 09:35 Eastern					
6010B METALS	06/10/2010 16:00	20	11/10/2010 09:35	05/14/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/28/2010 09:35	05/14/2010 16:00	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/10/2010 09:35	05/14/2010 16:00	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/10/2010 09:35	05/14/2010 16:00	
Solids, Dry Weight	06/03/2010 16:00	13	11/10/2010 09:35	05/14/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	05/28/2010 09:35	05/14/2010 16:00	SubList = GC- 8081 DOD

COMPUCHEM

Client:	CH2M HILL, INC.	**Project Manager:**	Cathy Dover
Project:	CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Project Number:**	CTO-094 MCB CAMP LEJEUNE/395307.SA.D
SDG:	1005134 **CASE:**	**Status:**	Received

Analysis	Due	TAT	Expires		Comments
1005134-03 SB02-5-6 [Soil] Sampled 05/14/2010 09:40 Eastern					
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/10/2010 09:40	05/14/2010 16:00	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/10/2010 09:40	05/14/2010 16:00	
Solids, Dry Weight	06/03/2010 16:00	13	11/10/2010 09:40	05/14/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/10/2010 09:40	05/14/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/28/2010 09:40	05/14/2010 16:00	SubList = SVsim- PAH
GC-8081A/PEST	06/10/2010 16:00	20	05/28/2010 09:40	05/14/2010 16:00	SubList = GC- 8081 DOD
1005134-04 SB02D-5-6 [Soil] Sampled 05/14/2010 09:45 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/10/2010 09:45	05/14/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/10/2010 09:45	05/14/2010 16:00	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/10/2010 09:45	05/14/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	05/28/2010 09:45	05/14/2010 16:00	SubList = GC- 8081 DOD
Solids, Dry Weight	06/03/2010 16:00	13	11/10/2010 09:45	05/14/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/28/2010 09:45	05/14/2010 16:00	SubList = SVsim- PAH
1005134-05 SB05-7-8 [Soil] Sampled 05/14/2010 08:10 Eastern					
GC-8081A/PEST	06/10/2010 16:00	20	05/28/2010 08:10	05/14/2010 16:00	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/28/2010 08:10	05/14/2010 16:00	SubList = SVsim- PAH
Solids, Dry Weight	06/03/2010 16:00	13	11/10/2010 08:10	05/14/2010 16:00	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/10/2010 08:10	05/14/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/10/2010 08:10	05/14/2010 16:00	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/10/2010 08:10	05/14/2010 16:00	
1005134-06 SS33-0-1 [Soil] Sampled 05/17/2010 11:50 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/13/2010 11:50	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/31/2010 11:50	05/19/2010 09:05	SubList = SVsim- PAH
GC-8081A/PEST	06/10/2010 16:00	20	05/31/2010 11:50	05/19/2010 09:05	SubList = GC- 8081 DOD
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/13/2010 11:50	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/13/2010 11:50	05/19/2010 09:05	
6010B METALS	06/10/2010 16:00	20	11/13/2010 11:50	05/19/2010 09:05	

1005134

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005134** **CASE:**	**Status:**	**Received**

Analysis	Due	TAT	Expires		Comments
1005134-07 SB33-4-5 [Soil] Sampled 05/17/2010 12:00 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/13/2010 12:00	05/19/2010 09:05	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/13/2010 12:00	05/19/2010 09:05	
6010B METALS	06/10/2010 16:00	20	11/13/2010 12:00	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	05/31/2010 12:00	05/19/2010 09:05	SubList = GC- 8081 DOD
Solids, Dry Weight	06/03/2010 16:00	13	11/13/2010 12:00	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/31/2010 12:00	05/19/2010 09:05	SubList = SVsim- PAH
1005134-08 SB31-5-6 [Soil] Sampled 05/17/2010 12:40 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/13/2010 12:40	05/19/2010 09:05	
6010B METALS	06/10/2010 16:00	20	11/13/2010 12:40	05/19/2010 09:05	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/13/2010 12:40	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/31/2010 12:40	05/19/2010 09:05	SubList = SVsim- PAH
Solids, Dry Weight	06/03/2010 16:00	13	11/13/2010 12:40	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	05/31/2010 12:40	05/19/2010 09:05	SubList = GC- 8081 DOD
1005134-09 SS31-0-1 [Soil] Sampled 05/17/2010 12:25 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/13/2010 12:25	05/19/2010 09:05	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/13/2010 12:25	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/13/2010 12:25	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	05/31/2010 12:25	05/19/2010 09:05	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/31/2010 12:25	05/19/2010 09:05	SubList = SVsim- PAH
6010B METALS	06/10/2010 16:00	20	11/13/2010 12:25	05/19/2010 09:05	
1005134-10 SS32-0-1 [Soil] Sampled 05/18/2010 11:00 Eastern					
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 11:00	05/19/2010 09:05	SubList = SVsim- PAH
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 11:00	05/19/2010 09:05	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/14/2010 11:00	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 11:00	05/19/2010 09:05	SubList = GC- 8081 DOD
6010B METALS	06/10/2010 16:00	20	11/14/2010 11:00	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 11:00	05/19/2010 09:05	

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005134** **CASE:**	**Status:**	**Prepared**

Analysis	Due	TAT	Expires		Comments
1005134-11 SS32D-0-1 [Soil] Sampled 05/18/2010 11:05 Eastern					
6010B METALS	06/10/2010 16:00	20	11/14/2010 11:05	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 11:05	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 11:05	05/19/2010 09:05	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/14/2010 11:05	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 11:05	05/19/2010 09:05	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 11:05	05/19/2010 09:05	SubList = SVsim- PAH
1005134-12 SB32-2.5-3.5 [Soil] Sampled 05/18/2010 11:10 Eastern					
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 11:10	05/19/2010 09:05	SubList = SVsim- PAH
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 11:10	05/19/2010 09:05	SubList = GC- 8081 DOD
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/14/2010 11:10	05/19/2010 09:05	
6010B METALS	06/10/2010 16:00	20	11/14/2010 11:10	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 11:10	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 11:10	05/19/2010 09:05	
1005134-13 SB32D-2.5-3.5 [Soil] Sampled 05/18/2010 11:15 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 11:15	05/19/2010 09:05	
6010B METALS	06/10/2010 16:00	20	11/14/2010 11:15	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 11:15	05/19/2010 09:05	SubList = SVsim- PAH
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 11:15	05/19/2010 09:05	SubList = GC- 8081 DOD
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 11:15	05/19/2010 09:05	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/14/2010 11:15	05/19/2010 09:05	
1005134-14 SB50-1-2 [Soil] Sampled 05/18/2010 17:50 Eastern					
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/14/2010 17:50	05/21/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 17:50	05/21/2010 16:00	SubList = SVsim- PAH
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 17:50	05/21/2010 16:00	SubList = GC- 8081 DOD
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 17:50	05/21/2010 16:00	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 17:50	05/21/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/14/2010 17:50	05/21/2010 16:00	

1005134

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005134** **CASE:**	**Status:**	**Prepared**

Analysis	Due	TAT	Expires		Comments
1005134-15 SS12-0-1 [Soil] Sampled 05/19/2010 12:45 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 12:45	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 12:45	05/21/2010 16:00	SubList = GC- 8081 DOD
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/15/2010 12:45	05/21/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/15/2010 12:45	05/21/2010 16:00	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 12:45	05/21/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 12:45	05/21/2010 16:00	SubList = SVsim- PAH
1005134-16 SB12-2-3 [Soil] Sampled 05/19/2010 12:55 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 12:55	05/21/2010 16:00	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/15/2010 12:55	05/21/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/15/2010 12:55	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 12:55	05/21/2010 16:00	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 12:55	05/21/2010 16:00	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 12:55	05/21/2010 16:00	
1005134-17 SS44-0-1 [Soil] Sampled 05/20/2010 08:10 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 08:10	05/21/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/16/2010 08:10	05/21/2010 16:00	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/16/2010 08:10	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 08:10	05/21/2010 16:00	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 08:10	05/21/2010 16:00	SubList = SVsim- PAH
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 08:10	05/21/2010 16:00	
1005134-18 SB44-5-6 [Soil] Sampled 05/20/2010 08:25 Eastern				**USE FOR QC**	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/16/2010 08:25	05/21/2010 16:00	
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 08:25	05/21/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/16/2010 08:25	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 08:25	05/21/2010 16:00	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 08:25	05/21/2010 16:00	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 08:25	05/21/2010 16:00	

WORK ORDER

1005134

Printed: 5/28/2010 6:52:43PM

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005134** **CASE:**	**Status:**	**Batched**

Analysis	Due	TAT	Expires		Comments
1005134-19 SS43-0-1 [Soil] Sampled 05/20/2010 10:35 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 10:35	05/21/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 10:35	05/21/2010 16:00	SubList = SVsim- PAH
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/16/2010 10:35	05/21/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/16/2010 10:35	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 10:35	05/21/2010 16:00	SubList = GC- 8081 DOD
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 10:35	05/21/2010 16:00	
1005134-20 SB43-3-4 [Soil] Sampled 05/20/2010 10:45 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 10:45	05/21/2010 16:00	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 10:45	05/21/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/16/2010 10:45	05/21/2010 16:00	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/16/2010 10:45	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 10:45	05/21/2010 16:00	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 10:45	05/21/2010 16:00	SubList = SVsim- PAH

Analysis groups included in this work order

TRIVALENT CHROMIUM Cr3 7196A

Total Cr by Metals HEXAVALENT CHROMI

CompuChem
A Division Of
Liberty Analytical Corp.

Sample ID Cross Reference

LAB WO	Project	Sample #	Field ID	Sample Date	Receive Date	DueDate	Chain of Custody ID
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-01	SS02-0-1	05/14/2010	05/14/2010	06/03/2010	BBG-SS02-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-01	SS02-0-1	05/14/2010	05/14/2010	06/10/2010	BBG-SS02-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-02	SS02D-0-1	05/14/2010	05/14/2010	06/03/2010	BBG-SS02D-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-02	SS02D-0-1	05/14/2010	05/14/2010	06/10/2010	BBG-SS02D-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-03	SB02-5-6	05/14/2010	05/14/2010	06/03/2010	BBG-SB02-5-6-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-03	SB02-5-6	05/14/2010	05/14/2010	06/10/2010	BBG-SB02-5-6-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-04	SB02D-5-6	05/14/2010	05/14/2010	06/03/2010	BBG-SB02D-5-6-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-04	SB02D-5-6	05/14/2010	05/14/2010	06/10/2010	BBG-SB02D-5-6-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-05	SB05-7-8	05/14/2010	05/14/2010	06/03/2010	BBG-SB05-7-8-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-05	SB05-7-8	05/14/2010	05/14/2010	06/10/2010	BBG-SB05-7-8-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-06	SS33-0-1	05/17/2010	05/19/2010	06/03/2010	BBG-SS33-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-06	SS33-0-1	05/17/2010	05/19/2010	06/10/2010	BBG-SS33-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-07	SB33-4-5	05/17/2010	05/19/2010	06/03/2010	BBG-SB33-4-5-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-07	SB33-4-5	05/17/2010	05/19/2010	06/10/2010	BBG-SB33-4-5-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-08	SB31-5-6	05/17/2010	05/19/2010	06/03/2010	BBG-SB31-5-6-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-08	SB31-5-6	05/17/2010	05/19/2010	06/10/2010	BBG-SB31-5-6-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-09	SS31-0-1	05/17/2010	05/19/2010	06/03/2010	BBG-SS31-0-1-10B

LAB WO	Project	Sample #	Field ID	Sample Date	Receive Date	DueDate	Chain of Custody ID
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-09	SS31-0-1	05/17/2010	05/19/2010	06/10/2010	BBG-SS31-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-10	SS32-0-1	05/18/2010	05/19/2010	06/03/2010	BBG-SS32-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-10	SS32-0-1	05/18/2010	05/19/2010	06/10/2010	BBG-SS32-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-11	SS32D-0-1	05/18/2010	05/19/2010	06/03/2010	BBG-SS32D-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-11	SS32D-0-1	05/18/2010	05/19/2010	06/10/2010	BBG-SS32D-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-12	SB32-2.5-3.5	05/18/2010	05/19/2010	06/03/2010	BBG-SB32-2.5-3.5-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-12	SB32-2.5-3.5	05/18/2010	05/19/2010	06/10/2010	BBG-SB32-2.5-3.5-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-13	SB32D-2.5-3.5	05/18/2010	05/19/2010	06/03/2010	BBG-SB32D-2.5-3.5-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-13	SB32D-2.5-3.5	05/18/2010	05/19/2010	06/10/2010	BBG-SB32D-2.5-3.5-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-14	SB50-1-2	05/18/2010	05/21/2010	06/03/2010	BBG-SB50-1-2-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-14	SB50-1-2	05/18/2010	05/21/2010	06/10/2010	BBG-SB50-1-2-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-15	SS12-0-1	05/19/2010	05/21/2010	06/03/2010	BBG-SS12-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-15	SS12-0-1	05/19/2010	05/21/2010	06/10/2010	BBG-SS12-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-16	SB12-2-3	05/19/2010	05/21/2010	06/03/2010	BBG-SB12-2-3-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-16	SB12-2-3	05/19/2010	05/21/2010	06/10/2010	BBG-SB12-2-3-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-17	SS44-0-1	05/20/2010	05/21/2010	06/03/2010	BBG-SS44-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-17	SS44-0-1	05/20/2010	05/21/2010	06/10/2010	BBG-SS44-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-18	SB44-5-6	05/20/2010	05/21/2010	06/03/2010	BBG-SB44-5-6-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-18	SB44-5-6	05/20/2010	05/21/2010	06/10/2010	BBG-SB44-5-6-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-19	SS43-0-1	05/20/2010	05/21/2010	06/03/2010	BBG-SS43-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-19	SS43-0-1	05/20/2010	05/21/2010	06/10/2010	BBG-SS43-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-20	SB43-3-4	05/20/2010	05/21/2010	06/03/2010	BBG-SB43-3-4-10B

LAB WO	Project	Sample #	Field ID	Sample Date	Receive Date	DueDate	Chain of Custody ID
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-20	SB43-3-4	05/20/2010	05/21/2010	06/10/2010	BBG-SB43-3-4-10B

120

Client: CH2M HILL, INC.

Work Order 1005134

Sdg: DRAFT 1005134

Sample Summary

Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM

Case:

Lab Number	Client Id	Sampled	Recieved	Extracted	Initial	Extract	Final	Spike	%Moist	PH	Batch	Analysis
1005134-01	DRAFT: SS02-0-1	5/14/10	5/14/10	5/20/10	10	1.32	10		16		0051921	Solids, Dry Weight
1005134-02	DRAFT: SS02D-0-1	5/14/10	5/14/10	5/20/10	10	1.32	10		12		0051921	Solids, Dry Weight
1005134-03	DRAFT: SB02-5-6	5/14/10	5/14/10	5/20/10	10	1.34	10		20		0051921	Solids, Dry Weight
1005134-04	DRAFT: SB02D-5-6	5/14/10	5/14/10	5/20/10	10	1.35	10		22		0051921	Solids, Dry Weight
1005134-05	DRAFT: SB05-7-8	5/14/10	5/14/10	5/20/10	10	1.35	10		28		0051921	Solids, Dry Weight
1005134-06	DRAFT: SS33-0-1	5/17/10	5/19/10	5/25/10	10	1.33	10		22		0052523	Solids, Dry Weight
1005134-07	DRAFT: SB33-4-5	5/17/10	5/19/10	5/25/10	10	1.32	10		11		0052523	Solids, Dry Weight
1005134-08	DRAFT: SB31-5-6	5/17/10	5/19/10	5/25/10	10	1.33	10		17		0052523	Solids, Dry Weight
1005134-09	DRAFT: SS31-0-1	5/17/10	5/19/10	5/25/10	10	1.33	10		22		0052523	Solids, Dry Weight
1005134-10	DRAFT: SS32-0-1	5/18/10	5/19/10	5/25/10	10	1.34	10		3		0052523	Solids, Dry Weight
1005134-11	DRAFT: SS32D-0-1	5/18/10	5/19/10	5/25/10	10	1.32	10		3		0052523	Solids, Dry Weight
1005134-12	DRAFT: SB32-2.5-3.5	5/18/10	5/19/10	5/25/10	10	1.34	10		7		0052523	Solids, Dry Weight
1005134-13	DRAFT: SB32D-2.5-3.5	5/18/10	5/19/10	5/25/10	10	1.35	10		9		0052523	Solids, Dry Weight
1005134-14	DRAFT: SB50-1-2	5/18/10	5/21/10	5/25/10	10	1.32	10		16		0052523	Solids, Dry Weight
1005134-15	DRAFT: SS12-0-1	5/19/10	5/21/10	5/25/10	10	1.32	10		8		0052523	Solids, Dry Weight
1005134-16	DRAFT: SB12-2-3	5/19/10	5/21/10	5/25/10	10	1.34	10		11		0052523	Solids, Dry Weight
1005134-17	DRAFT: SS44-0-1	5/20/10	5/21/10	5/25/10	10	1.33	10		7		0052523	Solids, Dry Weight
1005134-18	DRAFT: SB44-5-6	5/20/10	5/21/10	5/25/10	10	1.35	10		15		0052523	Solids, Dry Weight
1005134-19	DRAFT: SS43-0-1	5/20/10	5/21/10	5/25/10	10	1.34	10		3		0052523	Solids, Dry Weight

Client: CH2M HILL, INC.

Work Order 1005134

Sdg: DRAFT 1005134

Sample Summary

Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM

Case:

Lab Number	Client Id	Sampled	Recieved	Extracted	Initial	Extract	Final	Spike	%Moist	PH	Batch	Analysis
1005134-20	DRAFT: SB43-3-4	5/20/10	5/21/10	5/25/10	10	1.33	10		7		0052523	Solids, Dry Weight

Organic Undecanted Dry Weight Worksheet

0051921

Procedure: 143/190

T. WILLIAMS — Employee
1289 — ID No

Temp in: 104°

Temp out: 100°C

Date Assigned: 5-20-10

Date/Time in: 5-20-10 @ 1605

Date/Time out: 5-21-10 1625

Lab Number	Client ID	Sample Type	Weight of Container (0.00g)	Weight of Container & Wet Sample (0.00g)	Weight of Container & Dry Sample (0.00g)
1005132-01	SB85-1.5-2.5	Sample	1.32	6.35	5.49
1005132-02	SB78-3.5-4.5	Sample	1.31	7.75	6.83
1005132-03	SS77-0-1	Sample	1.32	7.26	5.89
1005132-04	SB77-3.5-4.5	Sample	1.34	7.85	7.20
1005132-05	SS79-0-1	Sample	1.31	6.38	6.18
1005132-06	SB79-11-12	Sample	1.34	6.63	5.72
1005132-07	SS83-0-1	Sample	1.32	7.20	6.84
1005132-08	SB83-6.5-7.5	Sample	1.33	7.15	6.28
1005132-09	SS62-0-1	Sample	1.33	6.25	2.85
1005132-10	SS74-0-1	Sample	1.34	7.49	7.28
1005132-11	SS86-0-1	Sample	1.34	7.03	6.30
1005132-12	SB86-3-4	Sample	1.33	7.01	6.09
1005132-13	SS84-0-1	Sample	1.31	7.40	7.10
1005132-14	SB84-6-7	Sample	1.34	7.41	6.30
1005133-01	SS73-0-1	Sample	1.34	6.16	5.96
1005134-01	SS02-0-1	Sample	1.32	7.54	6.55
1005134-02	SS02D-0-1	Sample	1.32	7.03	6.33
1005134-03	SB02-5-6	Sample	1.34	6.83	5.72
1005134-04	SB02D-5-6	Sample	1.35	6.79	5.60
1005134-05	SB05-7-8	Sample	1.35	6.82	5.30

Entered into Element by: MS

5-24-10
Date

Organic Undecanted Dry Weight Worksheet

0052523

Procedure: 143/190

T. WILLIAMS — Employee

1289 — ID No

Temp in: 105°

Temp out: 105°

Date Assigned: 5-25-10

Date/Time in: 5-25-10@1415

Date/Time out: 5-26-10@0915

Lab Number	Client ID	Sample Type	Weight of Container (0.00g)	Weight of Container & Wet Sample (0.00g)	Weight of Container & Dry Sample (0.00g)
1005134-06	SS33-0-1 DECANTED	Sample	1.33	7.28	5.96
1005134-07	SB33-4-5	Sample	1.32	7.32	6.69
1005134-08	SB31-5-6	Sample	1.33	6.58	5.68
1005134-09	SS31-0-1 DECANTED	Sample	1.33	8.64	7.05
1005134-10	SS32-0-1	Sample	1.34	6.26	6.13
1005134-11	SS32D-0-1	Sample	1.32	8.11	7.90
1005134-12	SB32-2.5-3.5	Sample	1.34	7.54	7.08
1005134-13	SB32D-2.5-3.5	Sample	1.35	7.58	7.03
1005134-14	SB50-1-2	Sample	1.32	7.36	6.92
1005134-15	SS12-0-1	Sample	1.32	6.97	6.06
1005134-16	SB12-2-3	Sample	1.34	6.60	6.04
1005134-17	SS44-0-1	Sample	1.33	7.50	7.09
1005134-18	SB44-5-6	Sample	1.35	6.36	5.63
1005134-19	SS43-0-1	Sample	1.34	7.30	7.12
1005134-20	SB43-3-4	Sample	1.33	7.93	7.45

Entered into Element by: _____ 5-26-10

Date

CompuChem, a Division of Liberty Analytical Corp.

EXTRACT COC

DEPT: EXTR **DATE:** 5-20-10

BATCH: 0051920

5-20-1

	COMPUCHEM NUMBER	CLIENT SAMPLE ID	PARAMETER	
1	0051920-BLK1	SBLKBP		
2	0051920-BS1	SBPLCS		
3	0051920-BSD1	SBPLCSD		
4	0051920-MS1	SB85-1.5-2.5MS		
5	0051920-MS2	SS73-0-1MS		
6	0051920-MSD1	SB85-1.5-2.5MSD		
7	0051920-MSD2	SS73-0-1MSD		
8	1005132-01	SB85-1.5-2.5		
9	1005132-02	SB78-3.5-4.5		
10	1005132-03	SS77-0-1		
11	1005132-04	SB77-3.5-4.5		
12	1005132-05	SS79-0-1		
13	1005132-06	SB79-11-12		
14	1005132-07	SS83-0-1		
15	1005132-08	SB83-6.5-7.5		
16	1005132-09	SS62-0-1		
17	1005132-10	SS74-0-1		
18	1005132-11	SS86-0-1		
19	1005132-12	SB86-3-4		
20	1005132-13	SS84-0-1		
21	1005132-14	SB84-6-7		
22	1005133-01	SS73-0-1		
23	1005134-01	SS02-0-1		
24	1005134-02	SS02D-0-1		
25	1005134-03	SB02-5-6		
26	1005134-04	SB02D-5-6		
27	1005134-05	SB05-7-8		
28				

	RELINQUISHED BY	DATE/TIME	REC. BY	REASON
	[signature]	5-20-10 1920	GC/MS Refridg #3	Storage
	GC/MS #3	5-25-10 1500	GMS	Analysis
	GMS	5-25-10 1700	GC/MS #3	Storage
	GCMS#3	5/26 0500	MW	analysis
	MW	5/26 0700	GCMS#3	storage

CompuChem, a Division of Liberty Analytical Corp.

EXTRACT COC

5-25-5

DEPT: EXTR **DATE:** 5-25-10

BATCH: 0052518

	COMPUCHEM NUMBER	CLIENT SAMPLE ID	PARAMETER	
1	0052518-BLK1	SBLKCO		
2	0052518-BS1	SCOLCS		
3	0052518-MS1	SB44-5-6MS		
4	0052518-MSD1	SB44-5-6MSD		
5	1005134-06	SS33-0-1		
6	1005134-07	SB33-4-5		
7	1005134-08	SB31-5-6		
8	1005134-09	SS31-0-1		
9	1005134-10	SS32-0-1		
10	1005134-11	SS32D-0-1		
11	1005134-12	SB32-2.5-3.5		
12	1005134-13	SB32D-2.5-3.5		
13	1005134-14	SB50-1-2		
14	1005134-15	SS12-0-1		
15	1005134-16	SB12-2-3		
16	1005134-17	SS44-0-1		
17	1005134-18	SB44-5-6		
18	1005134-19	SS43-0-1		
19	1005134-20	SB43-3-4		
20				
21				
22				
23				
24				
25				
26				
27				
28				
	RELINQUISHED BY	DATE/TIME	REC. BY	REASON
1	MHatt	5-25-10 / 1900	GC fef #3	Storage
2	GCMS#3	6/1 / 1300	TM	Analysis
3	TM	6/1 / 1600	GCMS#3	Store
4	GCMS#3	6/2 0500	MW	analysis
5	MW	6/2 0700	GCMS#3	storage
6	GCMS #3	7-1-10 2100	B	Analysis
7	B	7-1-10 2200	GCMS #3	SPK
8	GC/MS R3	7-2-10 1000	DMS	Analysis
9	DMS	7-2-10 1200	GC/MS R3	Storage

CompuChem, a Division of Liberty Analytical Corp.

EXTRACT COC

6-2-2

DEPT: EXTR **DATE:** 6-2-10

BATCH: 0060203

	COMPUCHEM NUMBER	CLIENT SAMPLE ID	PARAMETER	
1	0060203-BLK1	SBLKEI		
2	0060203-BS1	SEILCS		
3	0060203-MS1	SB44-5-6MS		
4	0060203-MSD1	SB44-5-6MSD		
5	1005134-06RE1	SS33-0-1		
6	1005134-07RE1	SB33-4-5		
7	1005134-08RE1	SB31-5-6		
8	1005134-09RE1	SS31-0-1		
9	1005134-10RE1	SS32-0-1		
10	1005134-11RE1	SS32D-0-1		
11	1005134-12RE1	SB32-2.5-3.5		
12	1005134-13RE1	SB32D-2.5-3.5		
13	1005134-14RE1	SB50-1-2		
14	1005134-15RE1	SS12-0-1		
15	1005134-16RE1	SB12-2-3		
16	1005134-17RE1	SS44-0-1		
17	1005134-18RE1	SB44-5-6		
18	1005134-19RE1	SS43-0-1		
19	1005134-20RE1	SB43-3-4		
20				
21				
22				
23				
24				
25				
26				
27				
28				
	RELINQUISHED BY	DATE/TIME	REC. BY	REASON
	[signature]	6-2-10 / 6:10pm	GC Ref #3	Storage
	GC/MS RJ	6-30-10 / 1200	OWS	Analysis
	OWS	6-30-10 / 1500	GC/MS RJ	Storage

Rev. 7/28/03:dce

C. SDG Data

1. QC Summary
2. Sample Data
3. Standards Data
4. Raw QC Data

LAB CODE: LIBRTY METHOD: 8270C

SDG # : 1005134

1. QC Summary

a. Surrogate Percent Recovery Summary (Form II SV)

b. Spike Summary - MS / MSD / LCS
(Form III SV)

c. Method Blank Summary (Form IV SV)

d. Internal Standard Area and RT Summary
(Form VIII SV)

a. Surrogate Percent Recovery Summary

(Form II SV)

FORM 2
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Level: (low/med) LOW

	CLIENT SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	SBPLCSD	73	56	78						0
02	SS02-0-1	62	61	86						0
03	SS02D-0-1	68	66	86						0
04	SBLKBP	68	70	85						0
05	SBPLCS	57	56	72						0
06	SB02-5-6	66	62	91						0
07	SB02D-5-6	63	58	75						0
08	SB05-7-8	75	71	74						0
09	SBLKCO	49	40*	62						1
10	SCOLCS	54	38*	71						1
11	SB44-5-6MS	59	41*	61						1
12	SB44-5-6MSD	54	36*	64						1
13	SB44-5-6	48	34*	62						1
14	SS33-0-1	52	40*	70						1
15	SB33-4-5	59	36*	70						1
16	SB31-5-6	47	27*	48						1
17	SS31-0-1	51	39*	66						1
18	SBLKEI	62	63	78						0
19	SEILCS	72	69	80						0
20	SB44-5-6RE	38	45*	86						1
21	SB44-5-6REMS	67	65	84						0
22	SB44-5-6REMSD	74	68	73						0
23	SS33-0-1RE	50	60	83						0
24	SB33-4-5RE	48	50	86						0
25	SB31-5-6RE	53	52	85						0
26	SS31-0-1RE	52	63	91						0
27	SS32-0-1RE	48	56	90						0
28	SB32-2.5-3.5RE	43	45	90						0

	QC LIMITS
S1 (NBZ) = Nitrobenzene-d5	(35-100)
S2 (FBP) = 2-Fluorobiphenyl	(45-105)
S3 (TPH) = Terphenyl-d14	(30-125)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM 2
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Level:(low/med) LOW

	CLIENT SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	SB32D-2.5-3.5RE	53	51	85						0
02	SB50-1-2RE	61	63	88						0
03	SS12-0-1RE	49	54	84						0
04	SB12-2-3RE	55	54	83						0
05	SS44-0-1RE	53	63	87						0
06	SS43-0-1	60	59	55						0
07	SB43-3-4RE	60	63	86						0
08	SS32D-0-1RE	48	65	96						0
09	SBLKOC	48	53	84						0
10	SS32-0-1	33*	44*	78						2
11	SS32D-0-1	56	62	89						0
12	SB32-2.5-3.5	60	60	86						0
13	SB32D-2.5-3.5	59	61	84						0
14	SB50-1-2	61	61	84						0
15	SS12-0-1	57	55	76						0
16	SB12-2-3	68	65	81						0
17	SS44-0-1	55	67	90						0
18	SB43-3-4	51	62	89						0
19										
20										
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22										
23										
24										
25										
26										
27										
28										

	QC LIMITS
S1 (NBZ) = Nitrobenzene-d5	(35-100)
S2 (FBP) = 2-Fluorobiphenyl	(45-105)
S3 (TPH) = Terphenyl-d14	(30-125)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

b. Spike Summary - MS / MSD / LCS
(Form III SV)

FORM 3
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix Spike - Sample No.: SB44-5-6 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Naphthalene	19.61	0	9.015	46	40-105
2-Methylnaphthalene	19.61	0	10.79	55	45-105
Acenaphthylene	19.61	0	10.03	51	50-105
Acenaphthene	19.61	0	9.439	48	45-110
Fluorene	19.61	0	9.383	48*	50-110
Phenanthrene	19.61	0	10.63	54	50-110
Anthracene	19.61	0	11.53	59	55-105
Fluoranthene	19.61	0	11.83	60	55-115
Pyrene	19.61	0	11.41	58	45-125
Benzo(a)anthracene	19.61	0	12.94	66	50-110
Chrysene	19.61	0	11.78	60	55-110
Benzo(b)fluoranthene	19.61	0	12.86	66	45-115
Benzo(k)fluoranthene	19.61	0	10.58	54	45-125
Benzo(a)pyrene	19.61	0	11.18	57	50-110
Indeno(1,2,3-cd)pyrene	19.61	0	12.91	66	40-125
Dibenzo(a,h)anthracene	19.61	0	12.26	63	40-125
Benzo(g,h,i)perylene	19.61	0	11.76	60	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix Spike - Sample No.: SB44-5-6 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Naphthalene	19.61	8.045	41	11	30	40-105
2-Methylnaphthalene	19.61	9.877	50	9	30	45-105
Acenaphthylene	19.61	9.478	48*	6	30	50-105
Acenaphthene	19.61	8.909	45	6	30	45-110
Fluorene	19.61	9.062	46*	3	30	50-110
Phenanthrene	19.61	10.88	55	2	30	50-110
Anthracene	19.61	11.76	60	2	30	55-105
Fluoranthene	19.61	12.8	65	8	30	55-115
Pyrene	19.61	12.22	62	7	30	45-125
Benzo(a)anthracene	19.61	13.71	70	6	30	50-110
Chrysene	19.61	12.53	64	6	30	55-110
Benzo(b)fluoranthene	19.61	11.24	57	13	30	45-115
Benzo(k)fluoranthene	19.61	12.37	63	16	30	45-125
Benzo(a)pyrene	19.61	11.27	57	1	30	50-110
Indeno(1,2,3-cd)pyrene	19.61	13.28	68	3	30	40-125
Dibenzo(a,h)anthracene	19.61	12.37	63	1	30	40-125
Benzo(g,h,i)perylene	19.61	11.72	60	0	30	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 17 outside limits
Spike Recovery: 3 out of 34 outside limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix Spike - Sample No.: SB44-5-6RE Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Naphthalene	19.61	0	11.89	61	40-105
2-Methylnaphthalene	19.61	0	13.07	67	45-105
Acenaphthylene	19.61	0	12.83	65	50-105
Acenaphthene	19.61	0	12.34	63	45-110
Fluorene	19.61	0	13.27	68	50-110
Phenanthrene	19.61	0	14.92	76	50-110
Anthracene	19.61	0	14.55	74	55-105
Fluoranthene	19.61	0	16.64	85	55-115
Pyrene	19.61	0	15.44	79	45-125
Benzo(a)anthracene	19.61	0	16.75	85	50-110
Chrysene	19.61	0	14.23	73	55-110
Benzo(b)fluoranthene	19.61	0	16.09	82	45-115
Benzo(k)fluoranthene	19.61	0	14.67	75	45-125
Benzo(a)pyrene	19.61	0	14.91	76	50-110
Indeno(1,2,3-cd)pyrene	19.61	0	15.86	81	40-125
Dibenzo(a,h)anthracene	19.61	0	12.88	66	40-125
Benzo(g,h,i)perylene	19.61	0	12.6	64	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix Spike - Sample No.: SB44-5-6RE Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Naphthalene	19.61	13.02	66	9	30	40-105
2-Methylnaphthalene	19.61	14.51	74	10	30	45-105
Acenaphthylene	19.61	13.69	70	6	30	50-105
Acenaphthene	19.61	12.82	65	4	30	45-110
Fluorene	19.61	14.07	72	6	30	50-110
Phenanthrene	19.61	14.98	76	0	30	50-110
Anthracene	19.61	15.07	77	4	30	55-105
Fluoranthene	19.61	17.26	88	4	30	55-115
Pyrene	19.61	13.2	67	16	30	45-125
Benzo(a)anthracene	19.61	14.93	76	11	30	50-110
Chrysene	19.61	12.64	64	12	30	55-110
Benzo(b)fluoranthene	19.61	15.42	79	4	30	45-115
Benzo(k)fluoranthene	19.61	14.8	75	1	30	45-125
Benzo(a)pyrene	19.61	14.7	75	1	30	50-110
Indeno(1,2,3-cd)pyrene	19.61	18.47	94	15	30	40-125
Dibenzo(a,h)anthracene	19.61	15.86	81	21	30	40-125
Benzo(g,h,i)perylene	19.61	14.92	76	17	30	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 17 outside limits
Spike Recovery: 0 out of 34 outside limits

COMMENTS: _____

3D

SOIL SEMIVOLATILE LAB CONTROL SAMPLE

SBPLCS

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix Spike - EPA Sample No.: SBPLCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Naphthalene	16.67		10.24	61	40-105
2-Methylnaphthalene	16.67		9.289	56	45-105
Acenaphthylene	16.67		10.23	61	50-105
Acenaphthene	16.67		10.44	63	45-110
Fluorene	16.67		8.554	51	50-110
Phenanthrene	16.67		11.69	70	50-110
Anthracene	16.67		11.02	66	55-105
Fluoranthene	16.67		10.75	64	55-115
Pyrene	16.67		10.95	66	45-125
Benzo(a)anthracene	16.67		13.76	83	50-110
Chrysene	16.67		12.87	77	55-110
Benzo(b)fluoranthene	16.67		13.44	81	45-115
Benzo(k)fluoranthene	16.67		12.7	76	45-125
Benzo(a)pyrene	16.67		11.38	68	50-110
Indeno(1,2,3-cd)pyrene	16.67		10.78	65	40-125
Dibenzo(a,h)anthracene	16.67		10.59	64	40-125
Benzo(g,h,i)perylene	16.67		9.696	58	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

3D
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

SBPLCS

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix Spike - EPA Sample No.: SBPLCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Naphthalene	16.67	13.41	80	27	30	40-105
2-Methylnaphthalene	16.67	12.25	73	26	30	45-105
Acenaphthylene	16.67	12.09	73	18	30	50-105
Acenaphthene	16.67	12.95	78	21	30	45-110
Fluorene	16.67	11.73	70	31*	30	50-110
Phenanthrene	16.67	14.82	89	24	30	50-110
Anthracene	16.67	13.33	80	19	30	55-105
Fluoranthene	16.67	11.27	68	6	30	55-115
Pyrene	16.67	11.56	69	4	30	45-125
Benzo(a)anthracene	16.67	16.25	97	16	30	50-110
Chrysene	16.67	16.46	99	25	30	55-110
Benzo(b)fluoranthene	16.67	15.74	94	15	30	45-115
Benzo(k)fluoranthene	16.67	15.61	94	21	30	45-125
Benzo(a)pyrene	16.67	13.93	84	21	30	50-110
Indeno(1,2,3-cd)pyrene	16.67	14.87	89	31*	30	40-125
Dibenzo(a,h)anthracene	16.67	14.81	89	33*	30	40-125
Benzo(g,h,i)perylene	16.67	14.41	86	39*	30	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 4 out of 17 outside limits
Spike Recovery: 0 out of 34 outside limits

COMMENTS: _____

3D
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

SCOLCS

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Naphthalene				40-105
2-Methylnaphthalene				45-105
Acenaphthylene				50-105
Acenaphthene				45-110
Fluorene				50-110
Phenanthrene				50-110
Anthracene				55-105
Fluoranthene				55-115
Pyrene	16.67	0.767	5*	45-125
Benzo(a)anthracene				50-110
Chrysene				55-110
Benzo(b)fluoranthene				45-115
Benzo(k)fluoranthene				45-125
Benzo(a)pyrene				50-110
Indeno(1,2,3-cd)pyrene				40-125
Dibenzo(a,h)anthracene				40-125
Benzo(g,h,i)perylene				40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

Spike Recovery: 1 out of 17 outside limits

COMMENTS: _____

3D
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

SEILCS

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Naphthalene	16.67	12.08	72	40-105
2-Methylnaphthalene	16.67	12.79	77	45-105
Acenaphthylene	16.67	10.94	66	50-105
Acenaphthene	16.67	11.39	68	45-110
Fluorene	16.67	11.41	68	50-110
Phenanthrene	16.67	12.1	73	50-110
Anthracene	16.67	10.54	63	55-105
Fluoranthene	16.67	13.1	79	55-115
Pyrene	16.67	12.12	73	45-125
Benzo(a)anthracene	16.67	12.27	74	50-110
Chrysene	16.67	12.53	75	55-110
Benzo(b)fluoranthene	16.67	11.78	71	45-115
Benzo(k)fluoranthene	16.67	13.03	78	45-125
Benzo(a)pyrene	16.67	10.26	62	50-110
Indeno(1,2,3-cd)pyrene	16.67	13.14	79	40-125
Dibenzo(a,h)anthracene	16.67	11.44	69	40-125
Benzo(g,h,i)perylene	16.67	11.8	71	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

Spike Recovery: 0 out of 17 outside limits

COMMENTS: _____

c. Method Blank Summary (Form IV SV)

If more than a single form is necessary, forms shall be arranged in chronological order by date of analysis of the blanks and by instrument.

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

SBLKBP

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab File ID: 0051920-BLK1JC66 Lab Sample ID: 0051920-BLK1

Instrument ID: 5972HP66 Date Extracted: 05/20/10

Matrix: (soil/water) SOIL Date Analyzed: 05/26/10

Level:(low/med) LOW Time Analyzed: 0647

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SBPLCSD	0051920-BSD1	0051920-BSD1	05/26/10
02	SS02-0-1	1005134-01	1005134-01A6	05/26/10
03	SS02D-0-1	1005134-02	1005134-02A6	05/26/10
04	SBPLCS	0051920-BS1	0051920-BS1J	05/26/10
05	SB02-5-6	1005134-03	1005134-03JC	05/26/10
06	SB02D-5-6	1005134-04	1005134-04JC	05/26/10
07	SB05-7-8	1005134-05	1005134-05JC	05/26/10
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COMMENTS:

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

SBLKCO

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab File ID: 0052518-BLK1A66 Lab Sample ID: 0052518-BLK1

Instrument ID: 5972HP66 Date Extracted: 05/25/10

Matrix: (soil/water) SOIL Date Analyzed: 06/01/10

Level:(low/med) LOW Time Analyzed: 1909

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SCOLCS	0052518-BS1	0052518-BS1A	06/01/10
02	SB44-5-6MS	0052518-MS1	0052518-MS1A	06/01/10
03	SB44-5-6MSD	0052518-MSD1	0052518-MSD1	06/01/10
04	SB44-5-6	1005134-18	1005134-18A6	06/01/10
05	SS33-0-1	1005134-06	1005134-06A6	06/01/10
06	SB33-4-5	1005134-07	1005134-07A6	06/01/10
07	SB31-5-6	1005134-08	1005134-08A6	06/01/10
08	SS31-0-1	1005134-09	1005134-09A6	06/01/10
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COMMENTS:

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

SBLKOC

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab File ID: 0052518-BLK1J2B70 Lab Sample ID: 0052518-BLK2

Instrument ID: 5972HP70 Date Extracted: 05/25/10

Matrix: (soil/water) SOIL Date Analyzed: 07/01/10

Level:(low/med) LOW Time Analyzed: 2226

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SS32-0-1	1005134-10	1005134-10B7	07/01/10
02	SS32D-0-1	1005134-11	1005134-11B7	07/01/10
03	SB32-2.5-3.5	1005134-12	1005134-12B7	07/02/10
04	SB32D-2.5-3.5	1005134-13	1005134-13B7	07/02/10
05	SB50-1-2	1005134-14	1005134-14B7	07/02/10
06	SS12-0-1	1005134-15	1005134-15B7	07/02/10
07	SB12-2-3	1005134-16	1005134-16B7	07/02/10
08	SS44-0-1	1005134-17	1005134-17B7	07/02/10
09	SB43-3-4	1005134-20	1005134-20JA	07/02/10
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COMMENTS:

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

SBLKEI

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab File ID: 0060203-BLK1A70 Lab Sample ID: 0060203-BLK1

Instrument ID: 5972HP70 Date Extracted: 06/02/10

Matrix: (soil/water) SOIL Date Analyzed: 06/30/10

Level:(low/med) LOW Time Analyzed: 1748

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SEILCS	0060203-BS1	0060203-BS1A	06/30/10
02	SB44-5-6RE	1005134-18RE1	1005134-18RA	06/30/10
03	SB44-5-6REMS	0060203-MS1	0060203-MS1A	06/30/10
04	SB44-5-6REMSD	0060203-MSD1	0060203-MSD1	06/30/10
05	SS33-0-1RE	1005134-06RE1	1005134-06RA	06/30/10
06	SB33-4-5RE	1005134-07RE1	1005134-07RA	06/30/10
07	SB31-5-6RE	1005134-08RE1	1005134-08RA	06/30/10
08	SS31-0-1RE	1005134-09RE1	1005134-09RA	06/30/10
09	SS32-0-1RE	1005134-10RE1	1005134-10RA	06/30/10
10	SB32-2.5-3.5RE	1005134-12RE1	1005134-12RB	07/01/10
11	SB32D-2.5-3.5RE	1005134-13RE1	1005134-13RB	07/01/10
12	SB50-1-2RE	1005134-14RE1	1005134-14RB	07/01/10
13	SS12-0-1RE	1005134-15RE1	1005134-15RB	07/01/10
14	SB12-2-3RE	1005134-16RE1	1005134-16RB	07/01/10
15	SS44-0-1RE	1005134-17RE1	1005134-17RB	07/01/10
16	SS43-0-1	1005134-19	1005134-19RB	07/01/10
17	SB43-3-4RE	1005134-20	1005134-20RB	07/01/10
18	SS32D-0-1RE	1005134-11RE1	1005134-11RB	07/01/10
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COMMENTS:

d. Internal Standard Area and RT Summary (Form VIII SV)

If more than a single form is necessary, forms shall be arranged in chronological order, by instrument.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab File ID (Standard): 0E25012-CCV1A66 Date Analyzed: 05/25/10

Instrument ID: 5972HP66 Time Analyzed: 1842

		IS1(CRY) AREA #	RT #	IS2(PRY) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	85416	19.33	76342	21.95	32289	5.55
	UPPER LIMIT	170832	19.83	152684	22.45	64578	6.05
	LOWER LIMIT	42708	18.83	38171	21.45	16145	5.05
	CLIENT SAMPLE NO.						
01	SBPLCSD	137416	19.32	131639	21.95	28030	5.56
02	SS02-0-1	150612	19.34	100975	21.96	26870	5.56
03	SS02D-0-1	170695	19.34	124803	21.96	30423	5.57
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IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab File ID (Standard): 0E25012-CCV1A66 Date Analyzed: 05/25/10

Instrument ID: 5972HP66 Time Analyzed: 1842

		IS4(NPT) AREA #	RT #	IS5(ANT) AREA #	RT #	IS6(PHN) AREA #	RT #
	12 HOUR STD	112116	7.80	52762	11.22	93685	14.09
	UPPER LIMIT	224232	8.30	105524	11.72	187370	14.59
	LOWER LIMIT	56058	7.30	26381	10.72	46843	13.59
	CLIENT SAMPLE NO.						
01	SBPLCSD	100906	7.80	46346	11.22	86084	14.09
02	SS02-0-1	87080	7.80	40194	11.23	101851	14.10
03	SS02D-0-1	107825	7.81	51011	11.23	119009	14.10
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IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab File ID (Standard): 0E26002-CCV1C66 Date Analyzed: 05/26/10

Instrument ID: 5972HP66 Time Analyzed: 0611

		IS1(CRY) AREA #	RT #	IS2(PRY) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	157952	19.34	126573	21.96	41032	5.56
	UPPER LIMIT	315904	19.84	253146	22.46	82064	6.06
	LOWER LIMIT	78976	18.84	63287	21.46	20516	5.06
	CLIENT SAMPLE NO.						
01	SBLKBP	179070	19.34	144331	21.96	45579	5.57
02	SBPLCS	140645	19.34	109682	21.96	27317	5.56
03	SB02-5-6	216845	19.33	150024	21.96	37976	5.56
04	SB02D-5-6	206624	19.34	148035	21.96	33001	5.56
05	SB05-7-8	208993	19.34	165009	21.96	54384	5.57
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IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab File ID (Standard): 0E26002-CCV1C66 Date Analyzed: 05/26/10

Instrument ID: 5972HP66 Time Analyzed: 0611

		IS4(NPT) AREA	#	RT	#	IS5(ANT) AREA	#	RT	#	IS6(PHN) AREA	#	RT	#
	12 HOUR STD	146916		7.80		68609		11.23		134040		14.10	
	UPPER LIMIT	293832		8.30		137218		11.73		268080		14.60	
	LOWER LIMIT	73458		7.30		34305		10.73		67020		13.60	
	CLIENT SAMPLE NO.												
01	SBLKBP	161749		7.81		74966		11.23		141759		14.10	
02	SBPLCS	94276		7.80		45876		11.23		96377		14.10	
03	SB02-5-6	132581		7.80		64508		11.23		169778		14.10	
04	SB02D-5-6	120837		7.80		59298		11.23		158585		14.10	
05	SB05-7-8	194813		7.81		89104		11.23		195451		14.10	
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IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab File ID (Standard): 0F01008-CCV1A66 Date Analyzed: 06/01/10

Instrument ID: 5972HP66 Time Analyzed: 1329

		IS1(CRY) AREA #	RT #	IS2(PRY) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	245547	19.33	214161	21.96	103604	5.53
	UPPER LIMIT	491094	19.83	428322	22.46	207208	6.03
	LOWER LIMIT	122773	18.83	107081	21.46	51802	5.03
	CLIENT SAMPLE NO.						
01	SBLKCO	233866	19.34	211321	21.97	103051	5.56
02	SCOLCS	316799	19.34	273432	21.99	133841	5.56
03	SB44-5-6MS	181970	19.34	162275	21.98	81655	5.54
04	SB44-5-6MSD	148207	19.34	140282	21.98	67845	5.54
05	SB44-5-6	159882	19.34	141222	21.98	77938	5.54
06	SS33-0-1	347178	19.34	315218	21.98	143206	5.54
07	SB33-4-5	126393	19.34	114592	21.98	58711	5.55
08	SB31-5-6	163852	19.34	142423	21.98	72934	5.54
09	SS31-0-1	225116	19.35	199270	21.99	92212	5.55
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IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab File ID (Standard): 0F01008-CCV1A66 Date Analyzed: 06/01/10

Instrument ID: 5972HP66 Time Analyzed: 1329

		IS4(NPT) AREA #	RT #	IS5(ANT) AREA #	RT #	IS6(PHN) AREA #	RT #
	12 HOUR STD	383434	7.77	162715	11.19	275979	14.07
	UPPER LIMIT	766868	8.27	325430	11.69	551958	14.57
	LOWER LIMIT	191717	7.27	81357	10.69	137989	13.57
	CLIENT SAMPLE NO.						
01	SBLKCO	364868	7.79	165688	11.20	288808	14.09
02	SCOLCS	499225	7.79	219909	11.20	400412	14.09
03	SB44-5-6MS	272259	7.79	125616	11.20	218224	14.09
04	SB44-5-6MSD	220551	7.79	102702	11.20	179719	14.09
05	SB44-5-6	249084	7.79	115707	11.20	200744	14.09
06	SS33-0-1	542679	7.79	243006	11.20	435495	14.09
07	SB33-4-5	175009*	7.79	87410	11.21	148715	14.10
08	SB31-5-6	220504	7.79	114695	11.20	202676	14.10
09	SS31-0-1	339629	7.79	150173	11.20	267466	14.09
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IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab File ID (Standard): 0F30008-CAL3A70 Date Analyzed: 06/30/10

Instrument ID: 5972HP70 Time Analyzed: 1422

		IS1(CRY) AREA #	RT #	IS2(PRY) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	149459	19.45	119648	22.29	30058	4.82
	UPPER LIMIT	298918	19.95	239296	22.79	60116	5.32
	LOWER LIMIT	74729	18.95	59824	21.79	15029	4.32
	CLIENT SAMPLE NO.						
01	SBLKEI	84892	19.45	74334	22.29	27489	4.84
02	SEILCS	102241	19.45	85770	22.29	25107	4.85
03	SB44-5-6RE	86810	19.45	78227	22.28	22570	4.84
04	SB44-5-6REMS	122328	19.45	95289	22.28	31054	4.84
05	SB44-5-6REMSD	182865	19.45	135494	22.29	34490	4.84
06	SS33-0-1RE	79526	19.45	60397	22.28	31002	4.84
07	SB33-4-5RE	96877	19.45	80778	22.28	27336	4.84
08	SB31-5-6RE	136687	19.45	121794	22.28	39872	4.84
09	SS31-0-1RE	147523	19.45	134668	22.29	38854	4.84
10	SS32-0-1RE	142378	19.46	129415	22.29	36511	4.84
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IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab File ID (Standard): 0F30008-CAL3A70 Date Analyzed: 06/30/10

Instrument ID: 5972HP70 Time Analyzed: 1422

		IS4(NPT) AREA	#	RT	#	IS5(ANT) AREA	#	RT	#	IS6(PHN) AREA	#	RT	#
	12 HOUR STD	116045		7.13		79465		10.76		183132		13.83	
	UPPER LIMIT	232090		7.63		158930		11.26		366264		14.33	
	LOWER LIMIT	58023		6.63		39733		10.26		91566		13.33	
	CLIENT SAMPLE NO.												
01	SBLKEI	95449		7.14		58222		10.75		115795		13.83	
02	SEILCS	89008		7.15		56668		10.76		122372		13.84	
03	SB44-5-6RE	80998		7.14		51074		10.76		106457		13.83	
04	SB44-5-6REMS	114880		7.14		70686		10.76		144570		13.83	
05	SB44-5-6REMSD	129340		7.13		84156		10.75		179244		13.83	
06	SS33-0-1RE	111060		7.13		65904		10.75		106565		13.83	
07	SB33-4-5RE	97561		7.13		59734		10.75		116595		13.83	
08	SB31-5-6RE	154816		7.13		97513		10.75		189469		13.83	
09	SS31-0-1RE	146537		7.13		92960		10.75		183233		13.83	
10	SS32-0-1RE	139087		7.13		88604		10.76		175741		13.83	
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IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab File ID (Standard): 0G01002-CCV2B70 Date Analyzed: 07/01/10

Instrument ID: 5972HP70 Time Analyzed: 0201

		IS1(CRY) AREA #	RT #	IS2(PRY) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	139821	19.46	121421	22.30	29371	4.82
	UPPER LIMIT	279642	19.96	242842	22.80	58742	5.32
	LOWER LIMIT	69911	18.96	60711	21.80	14685	4.32
	CLIENT SAMPLE NO.						
01	SB32-2.5-3.5RE	94227	19.46	84126	22.29	25037	4.84
02	SB32D-2.5-3.5RE	142790	19.46	130654	22.30	32352	4.84
03	SB50-1-2RE	95973	19.46	86212	22.29	38158	4.84
04	SS12-0-1RE	182679	19.45	171674	22.29	34346	4.84
05	SB12-2-3RE	124086	19.46	117135	22.30	31029	4.84
06	SS44-0-1RE	110369	19.46	90712	22.30	47360	4.84
07	SS43-0-1	269824	19.47	185138	22.31	39021	4.84
08	SB43-3-4RE	137383	19.46	132950	22.30	45446	4.84
09	SS32D-0-1RE	144500	19.47	143743	22.30	42521	4.84
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IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab File ID (Standard): 0G01002-CCV2B70 Date Analyzed: 07/01/10

Instrument ID: 5972HP70 Time Analyzed: 0201

		IS4(NPT) AREA #	RT #	IS5(ANT) AREA #	RT #	IS6(PHN) AREA #	RT #
	12 HOUR STD	107096	7.13	74653	10.76	157713	13.83
	UPPER LIMIT	214192	7.63	149306	11.26	315426	14.33
	LOWER LIMIT	53548	6.63	37327	10.26	78857	13.33
	CLIENT SAMPLE NO.						
01	SB32-2.5-3.5RE	87619	7.13	59094	10.76	124592	13.84
02	SB32D-2.5-3.5RE	117403	7.13	78416	10.76	173582	13.83
03	SB50-1-2RE	143170	7.13	85544	10.76	142496	13.83
04	SS12-0-1RE	135447	7.13	95816	10.76	205712	13.83
05	SB12-2-3RE	110228	7.13	70226	10.76	140232	13.83
06	SS44-0-1RE	164100	7.14	90459	10.76	152665	13.83
07	SS43-0-1	143669	7.13	99575	10.75	201351	13.83
08	SB43-3-4RE	174330	7.14	101290	10.76	179194	13.84
09	SS32D-0-1RE	157966	7.14	92891	10.76	175091	13.84
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IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab File ID (Standard): 0G01012-CCV1B70 Date Analyzed: 07/01/10

Instrument ID: 5972HP70 Time Analyzed: 2148

		IS1(CRY) AREA	#	RT	#	IS2(PRY) AREA	#	RT	#	IS3(DCB) AREA	#	RT	#
	12 HOUR STD	211544		19.50		196172		22.34		42728		4.85	
	UPPER LIMIT	423088		20.00		392344		22.84		85456		5.35	
	LOWER LIMIT	105772		19.00		98086		21.84		21364		4.35	
	CLIENT SAMPLE NO.												
01	SBLKOC	116480		19.50		107117		22.34		35331		4.85	
02	SS32-0-1	119424		19.49		111958		22.34		35069		4.84	
03	SS32D-0-1	120876		19.49		105538		22.33		30568		4.85	
04	SB32-2.5-3.5	116787		19.49		104247		22.34		29311		4.84	
05	SB32D-2.5-3.5	164797		19.49		153413		22.34		42213		4.85	
06	SB50-1-2	133006		19.49		120550		22.34		36813		4.84	
07	SS12-0-1	219418		19.48		188759		22.33		47728		4.84	
08	SB12-2-3	132665		19.49		114250		22.34		31412		4.84	
09	SS44-0-1	119064		19.49		104086		22.34		30265		4.84	
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab File ID (Standard): 0G01012-CCV1B70 Date Analyzed: 07/01/10

Instrument ID: 5972HP70 Time Analyzed: 2148

		IS4(NPT) AREA	#	RT	#	IS5(ANT) AREA	#	RT	#	IS6(PHN) AREA	#	RT	#
	12 HOUR STD	174563		7.16		120567		10.78		248062		13.87	
	UPPER LIMIT	349126		7.66		241134		11.28		496124		14.37	
	LOWER LIMIT	87281		6.66		60283		10.28		124031		13.37	
	CLIENT SAMPLE NO.												
01	SBLKOC	132050		7.15		77894		10.78		150681		13.87	
02	SS32-0-1	131281		7.15		82717		10.77		154616		13.86	
03	SS32D-0-1	118394		7.15		74884		10.77		154489		13.86	
04	SB32-2.5-3.5	113501		7.15		71807		10.78		151759		13.86	
05	SB32D-2.5-3.5	164831		7.15		100259		10.77		206679		13.86	
06	SB50-1-2	139040		7.15		89754		10.77		182560		13.86	
07	SS12-0-1	191999		7.14		122311		10.77		248314		13.85	
08	SB12-2-3	117437		7.14		75259		10.77		153697		13.86	
09	SS44-0-1	117367		7.14		69403		10.77		154714		13.86	
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab File ID (Standard): 0G02006-CCV1A70 Date Analyzed: 07/02/10

Instrument ID: 5972HP70 Time Analyzed: 1030

		IS1(CRY) AREA #	RT #	IS2(PRY) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	111435	19.52	109271	22.37	21727	4.84
	UPPER LIMIT	222870	20.02	218542	22.87	43454	5.34
	LOWER LIMIT	55717	19.02	54635	21.87	10863	4.34
	CLIENT SAMPLE NO.						
01	SB43-3-4	104242	19.52	92860	22.37	28450	4.84
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Lab File ID (Standard): 0G02006-CCV1A70 Date Analyzed: 07/02/10

Instrument ID: 5972HP70 Time Analyzed: 1030

		IS4(NPT) AREA #	RT #	IS5(ANT) AREA #	RT #	IS6(PHN) AREA #	RT #
	12 HOUR STD	98104	7.15	66515	10.79	136843	13.88
	UPPER LIMIT	196208	7.65	133030	11.29	273686	14.38
	LOWER LIMIT	49052	6.65	33257	10.29	68421	13.38
	CLIENT SAMPLE NO.						
01	SB43-3-4	116254	7.15	74982	10.78	146356	13.88
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

2. Sample Data

Sample data shall be arranged in packets with the Organic Analysis Data Sheet (Form I SV), followed by the raw data for semivolatile samples. These sample packets shall be placed in increasing Client Sample ID number order, considering both letters and numbers.

a. Target Analyte Results (Form I SV)

Tabulated results (identification and quantitation) shall be included.

b. Chromatograms

Include for each sample or sample extract, including dilutions and reanalyses. The chromatogram shall contain the following header information: Client Sample ID number, date and time of analysis, GC/MS instrument identifier, lab file identifier, and analyst ID.

c. Quantitation Report showing calculations for target analytes

- Include a printout of the Enhanced Ion Current Profile (EICP) for all manual changes to the compounds, internal standard, and/or surrogate compound.

d. Copies of raw spectra and copies of background-subtracted mass spectra of target analytes identified in the sample.

- The spectra shall include the following information: Client Sample ID number, Lab file ID, date and time of analysis, and instrument ID.
- The compound name must be clearly marked.

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB02-5-6

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/14/10

Lab Sample ID: 1005134-03
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/14/10
Lab File ID: 1005134-03JC66
Analyst: 2743

% Moisture: 20 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0051920-BLK1

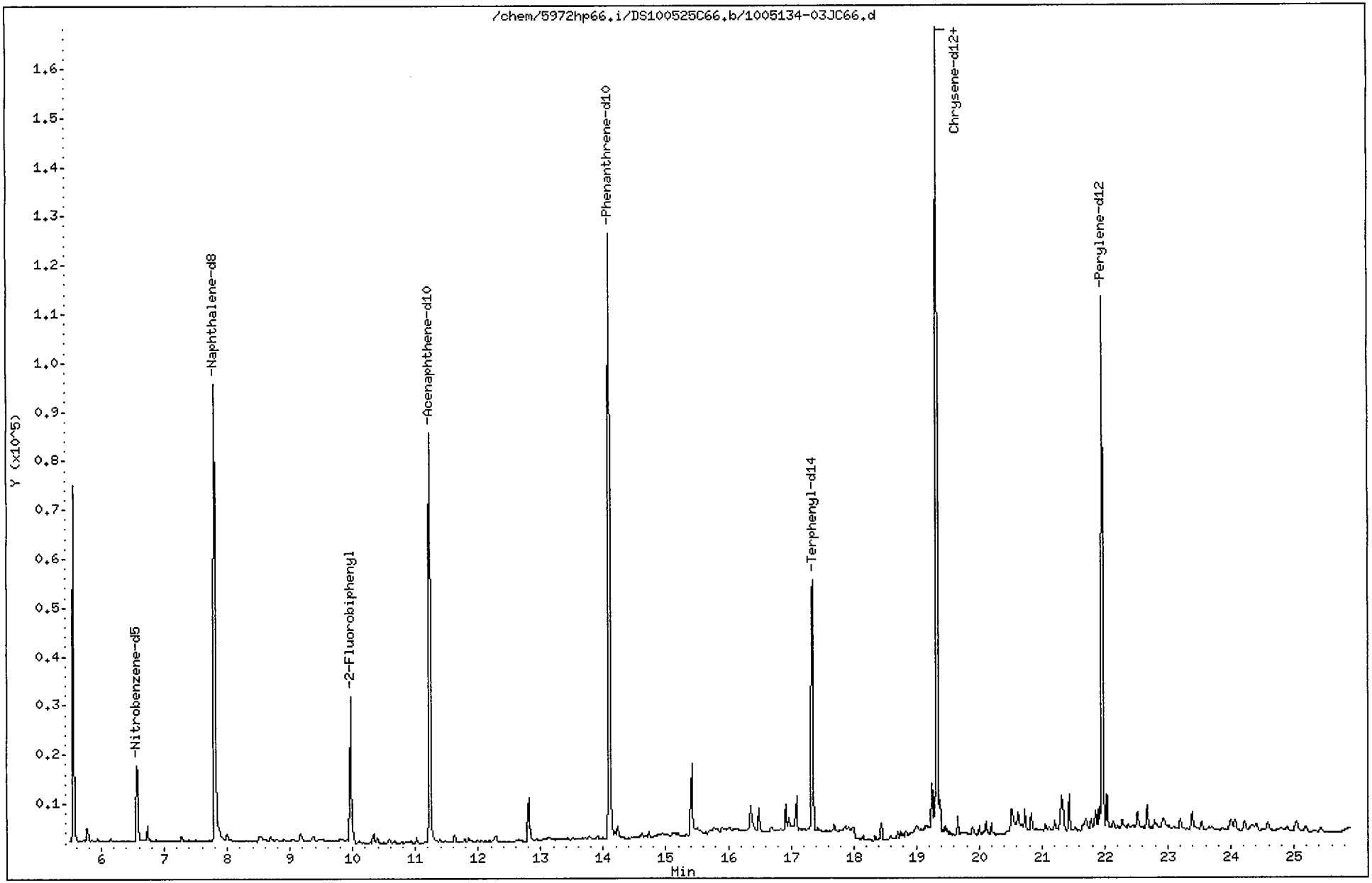
Date Extracted: 05/20/10
Date Analyzed: 05/26/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.90	10	ND	U
91-57-6	2-Methylnaphthalene	0.85	10	ND	U
208-96-8	Acenaphthylene	0.67	10	ND	U
83-32-9	Acenaphthene	0.75	10	ND	U
86-73-7	Fluorene	0.56	10	ND	U
85-01-8	Phenanthrene	1.6	10	ND	U
120-12-7	Anthracene	0.54	10	0.56	J
206-44-0	Fluoranthene	1.7	10	ND	U
129-00-0	Pyrene	0.71	10	0.93	J
56-55-3	Benzo(a)anthracene	0.71	10	1.2	J
218-01-9	Chrysene	0.79	10	1.0	J
205-99-2	Benzo(b)fluoranthene	0.71	10	1.1	J
207-08-9	Benzo(k)fluoranthene	0.54	10	1.0	J
50-32-8	Benzo(a)pyrene	0.48	10	1.0	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.46	10	0.78	J
53-70-3	Dibenzo(a,h)anthracene	0.42	10	0.72	J
191-24-2	Benzo(g,h,i)perylene	0.48	10	0.66	J

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp66.i/DS100525C66.b/1005134-03JC66.d
Date : 26-MAY-2010 10:11
Client ID: SB02-5-6
Instrument: 5972hp66.i
Sample Info: 1005134-03:2743
Volume Injected (uL): 2.0
Operator: 2743
Column phase: Rtx-5MS
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100525C66.b/1005134-03JC66.d
Report Date: 01-Jun-2010 18:09

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100525C66.b/1005134-03JC66.d
Lab Smp Id: 1005134-03 Client Smp ID: SB02-5-6
Inj Date : 26-MAY-2010 10:11
Operator : 2743 Inst ID: 5972hp66.i
Smp Info : 1005134-03:2743
Misc Info : SB02-5-6
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100525C66.b/SIM_8270Cv2DOD.m
Meth Date : 01-Jun-2010 18:08 byrd Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	20.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
*	1 1,4-Dichlorobenzene-d4	152	5.560	5.560	(1.000)	37976	2.00000	
*	2 Naphthalene-d8	136	7.802	7.802	(1.000)	132581	2.00000	
*	3 Acenaphthene-d10	164	11.231	11.231	(1.000)	64508	2.00000	
*	4 Phenanthrene-d10	188	14.100	14.101	(1.000)	169778	2.00000	
*	5 Chrysene-d12	240	19.327	19.336	(1.000)	216845	2.00000	
*	6 Perylene-d12	264	21.961	21.961	(1.000)	150024	2.00000	
$	9 Nitrobenzene-d5	82	6.563	6.563	(0.841)	19327	0.65511	14
$	10 2-Fluorobiphenyl	172	9.965	9.966	(0.887)	41955	0.62326	13
$	12 Terphenyl-d14	244	17.346	17.347	(0.897)	71926	0.91289	19
	13 Naphthalene	128	Compound Not Detected.					
	15 2-Methylnaphthalene	141	Compound Not Detected.					
	17 Acenaphthylene	152	Compound Not Detected.					
	18 Acenaphthene	154	Compound Not Detected.					

Data File: /chem/5972hp66.i/DS100525C66.b/1005134-03JC66.d
Report Date: 01-Jun-2010 18:09

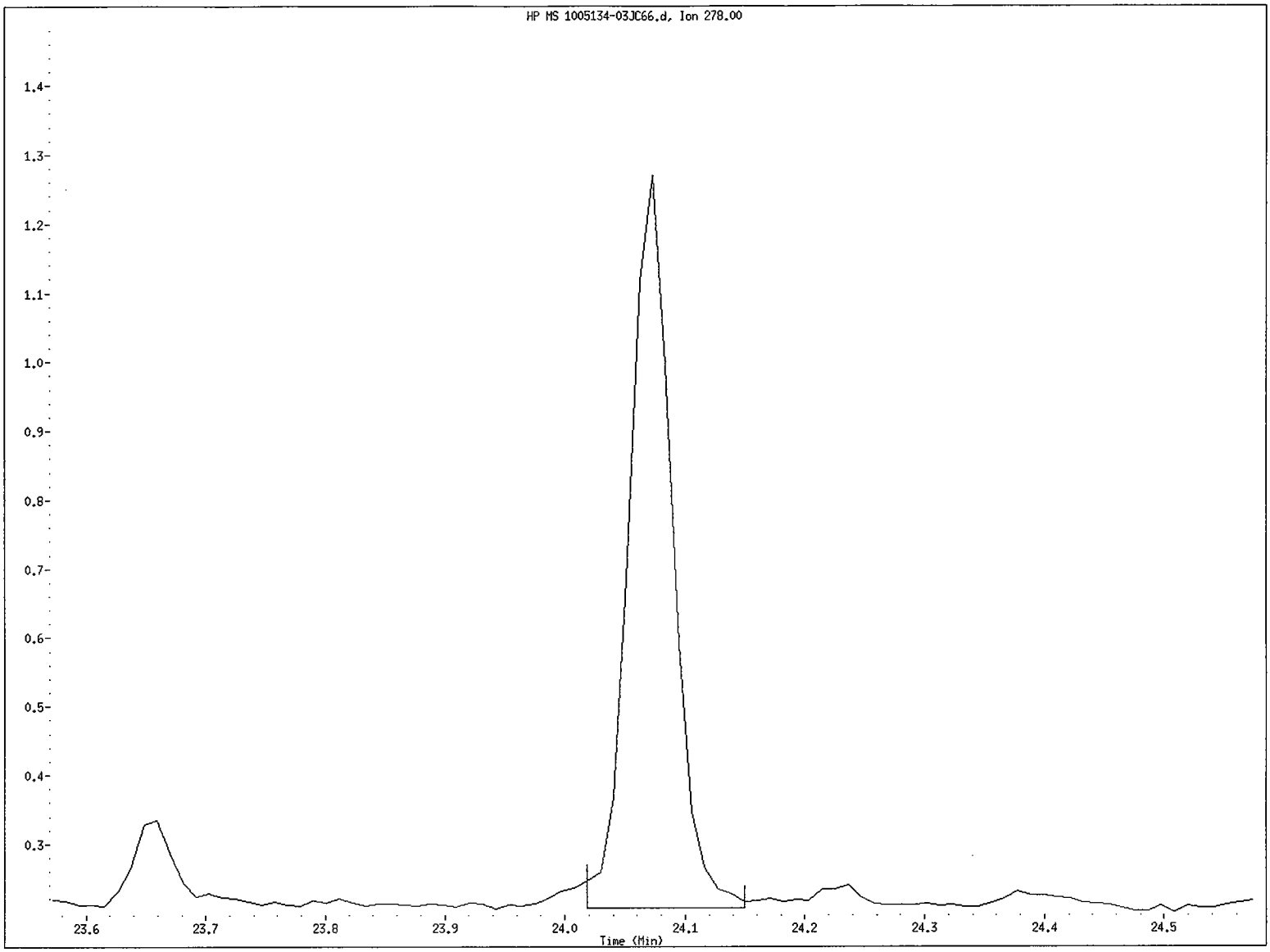
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	14.230	14.231	(1.009)	2566	0.02695	0.56(a)
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	16.916	16.917	(0.875)	6954	0.04441	0.93(a)
29 Benzo(a)anthracene	228	19.301	19.301	(0.999)	6533	0.05542	1.2(a)
30 Chrysene	228	19.379	19.379	(1.003)	6213	0.04866	1.0(a)
31 Benzo(b)fluoranthene	252	21.308	21.308	(0.970)	5408	0.05466	1.1(a)
32 Benzo(k)fluoranthene	252	21.352	21.352	(0.972)	5257	0.04937	1.0(a)
33 Benzo(a)pyrene	252	21.852	21.853	(0.995)	4331	0.04858	1.0(a)
34 Indeno(1,2,3-cd)pyrene	276	24.008	24.008	(1.093)	2943	0.03741	0.78(a)
35 Dibenzo(a,h)anthracene	278	24.073	24.073	(1.096)	2696	0.03465	0.72(aM)
36 Benzo(g,h,i)perylene	276	24.595	24.595	(1.120)	2770	0.03177	0.66(aM)

27 06/1/10

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

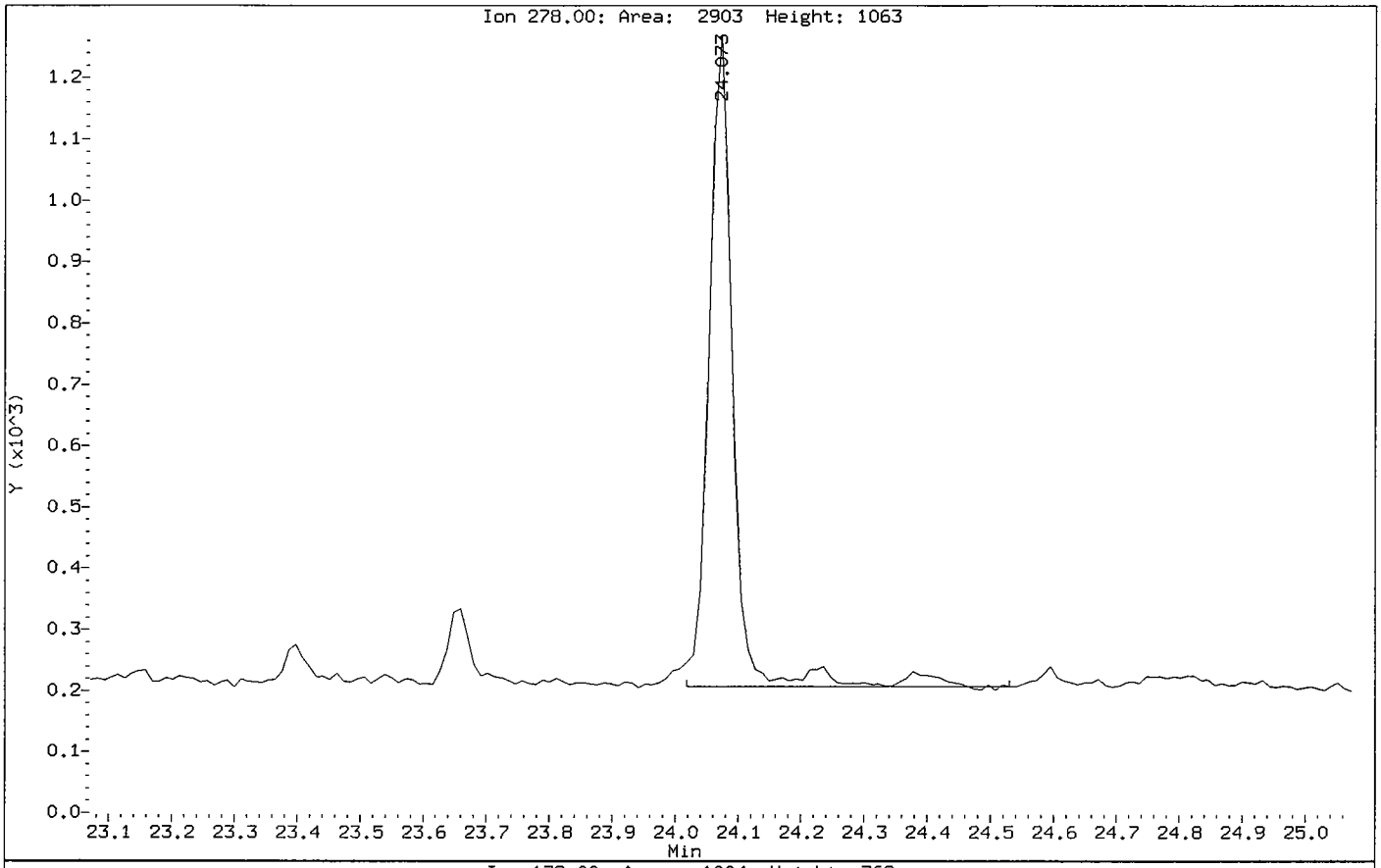
Dibenzo(a,h)anthracene CAS Number 53-70-3 Area = 2696 Manually integrated

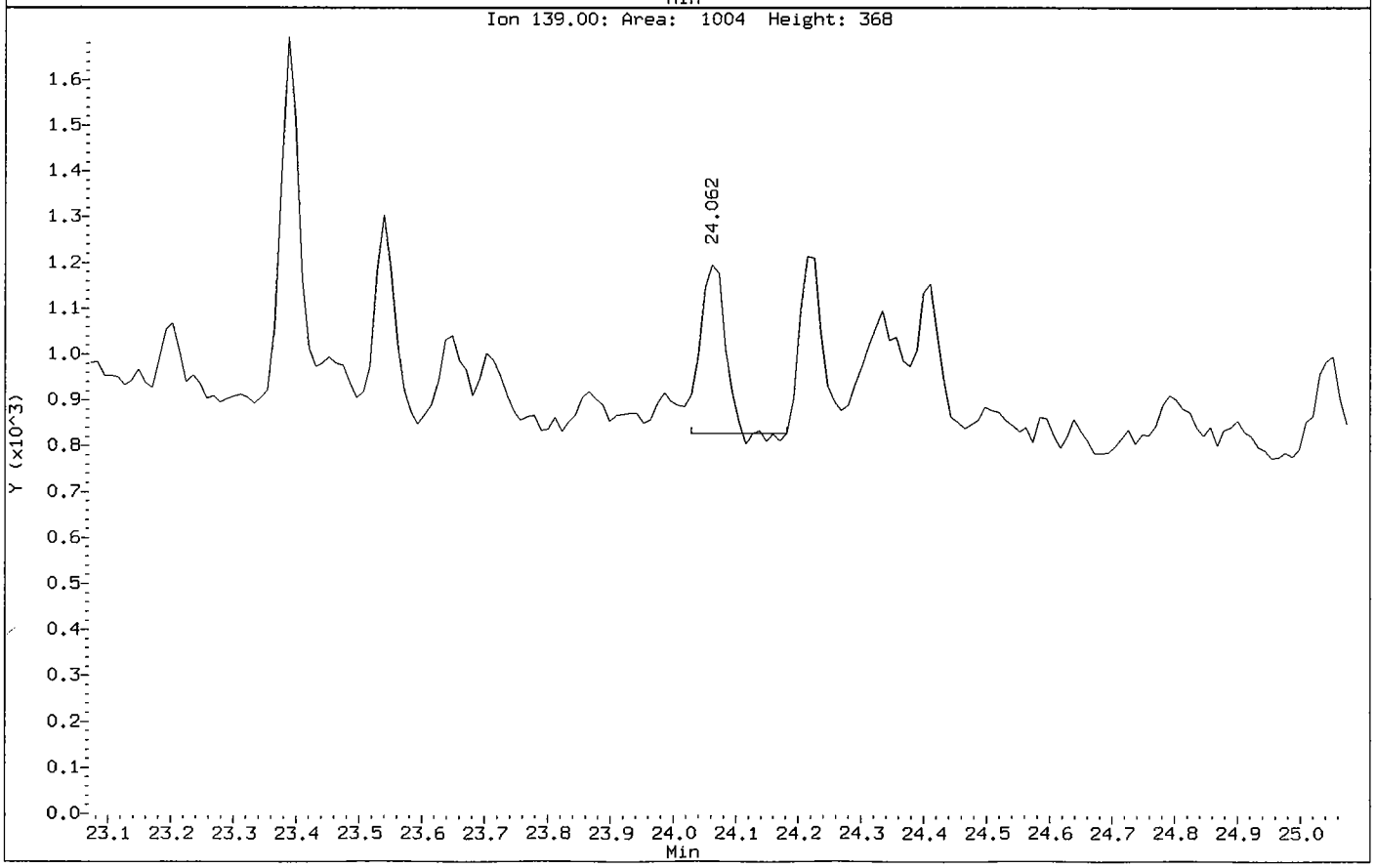


File name: /chem/5972hp66.i/DS100525C66.b/1005134-03JC66.d
Client ID: SB02-5-6
Instrument ID: 5972hp66.i
Injection Date and Time: 26-MAY-2010 10:11
Retention Time: 24.07
Operator ID: 2743

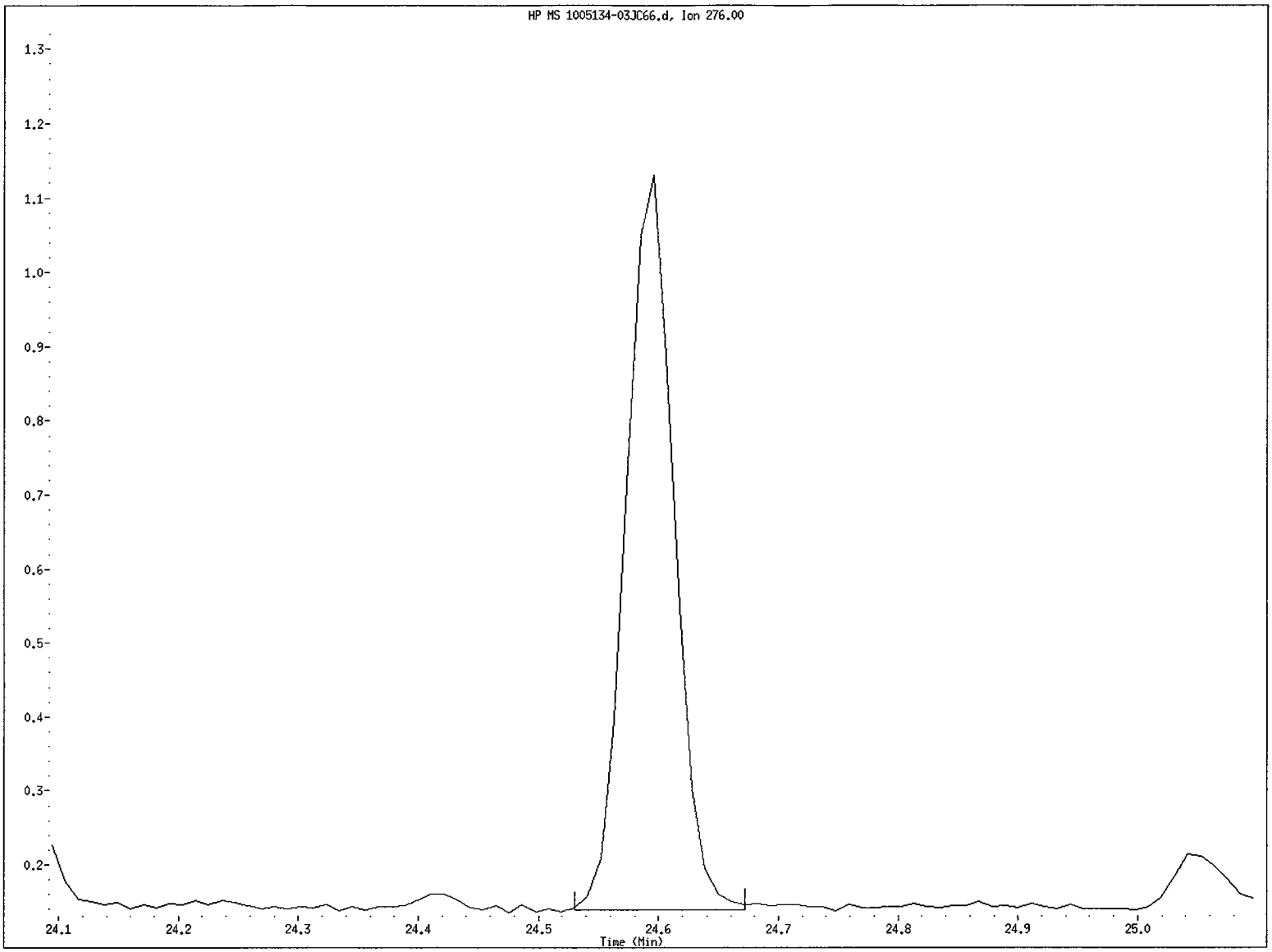
Data File: /chem/5972hp66.i/DS100525C66.b/1005134-03JC66.d
Injection Date: 26-MAY-2010 10:11
Instrument: 5972hp66.i
Client Sample ID: SB02-5-6

Compound: Dibenzo(a,h)anthracene
CAS Number: 53-70-3





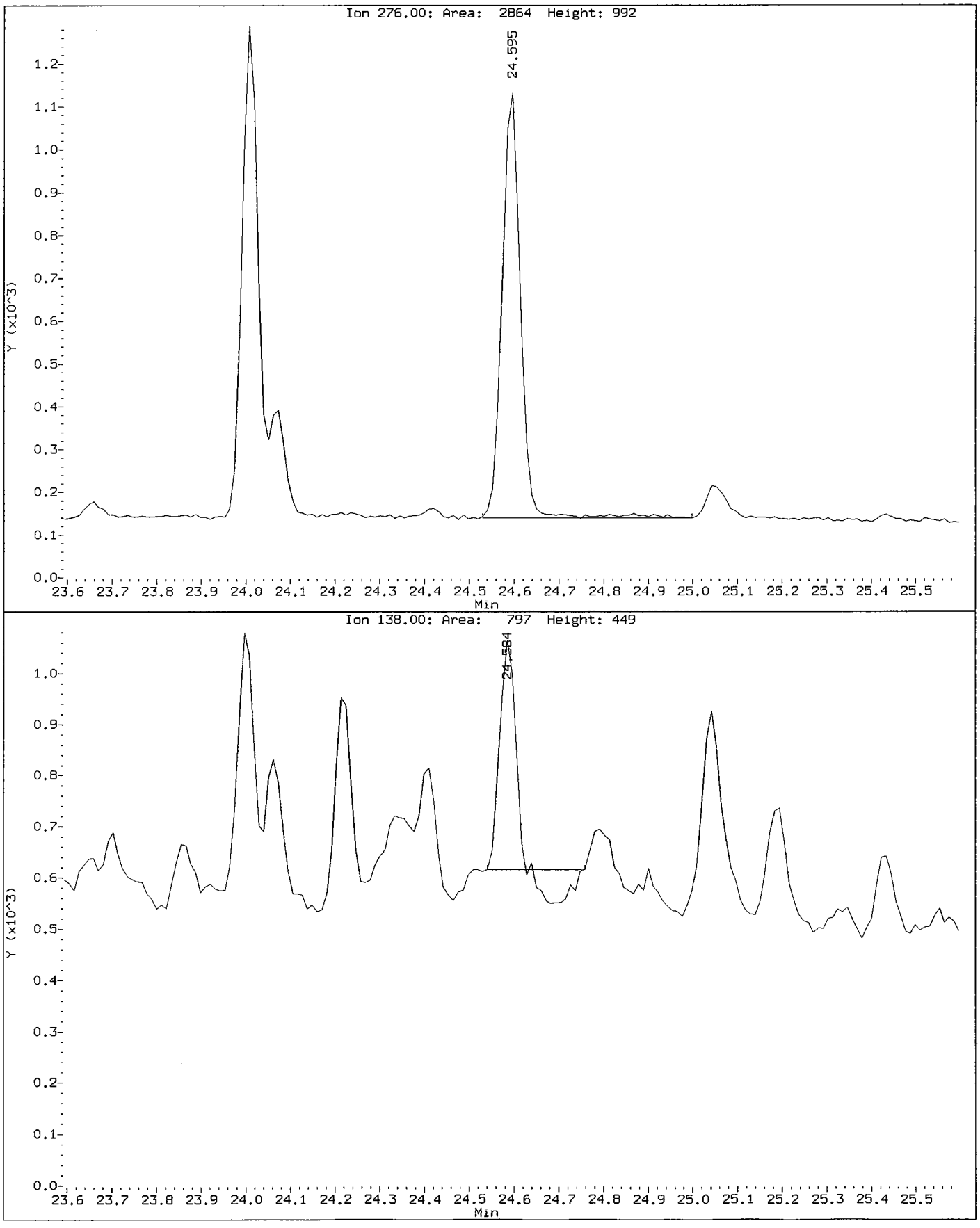
Benzo(g,h,i)perylene CAS Number 191-24-2 Area = 2770 Manually integrated



File name: /chem/5972hp66.i/DS100525C66.b/1005134-03JC66.d
Client ID: SB02-5-6
Instrument ID: 5972hp66.i
Injection Date and Time: 26-MAY-2010 10:11
Retention Time: 24.60
Operator ID: 2743

Data File: /chem/5972hp66.i/DS100525C66.b/1005134-03JC66.d
Injection Date: 26-MAY-2010 10:11
Instrument: 5972hp66.i
Client Sample ID: SB02-5-6

Compound: Benzo(g,h,i)perylene
CAS Number: 191-24-2



Data File: /chem/5972hp66.i/DS100525C66.b/1005134-03JC66.d

Date : 26-MAY-2010 10:11

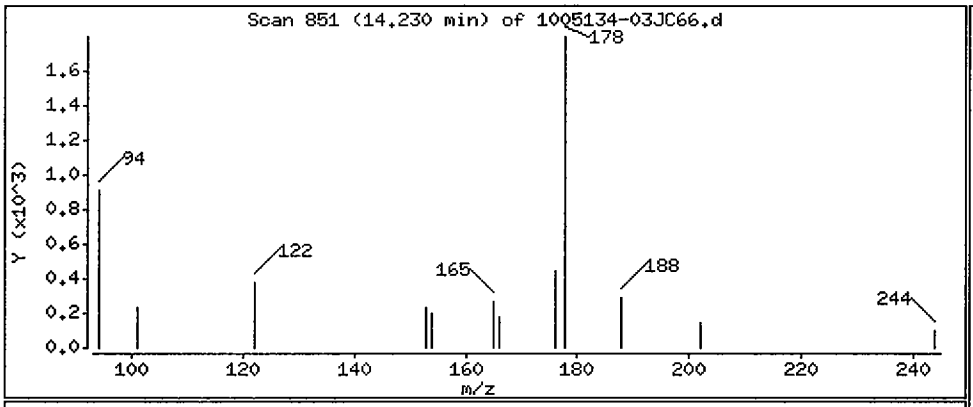
Client ID: SB02-5-6 Instrument: 5972hp66.i

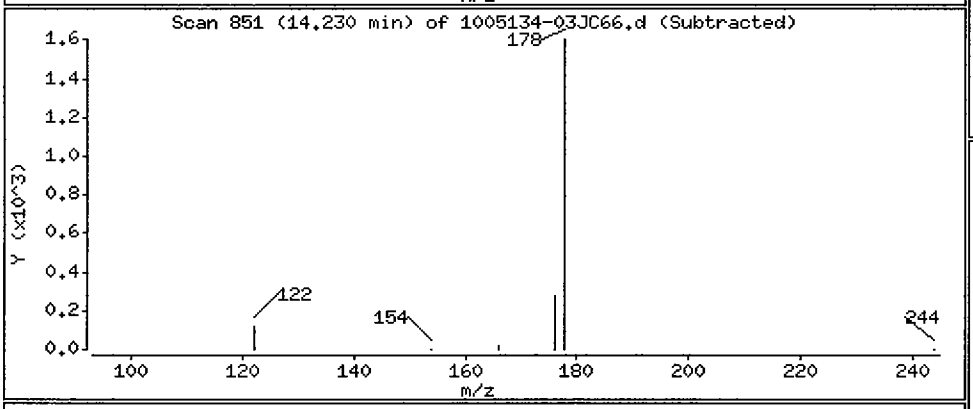
Sample Info: 1005134-03:2743

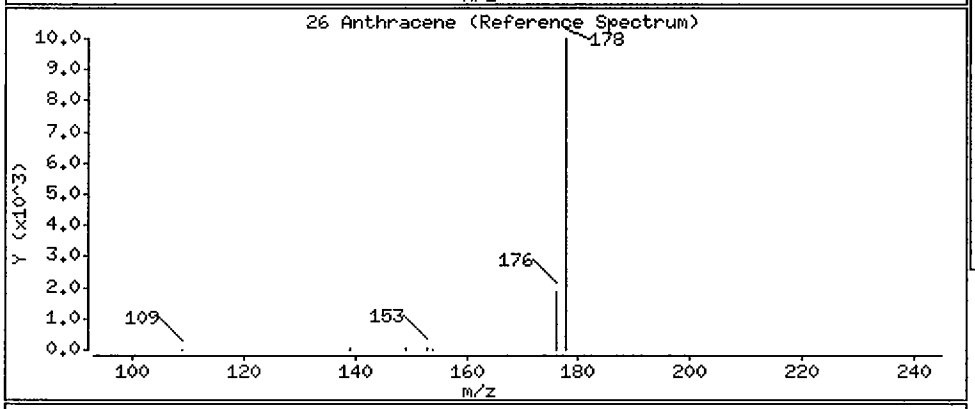
Volume Injected (uL): 2.0 Operator: 2743

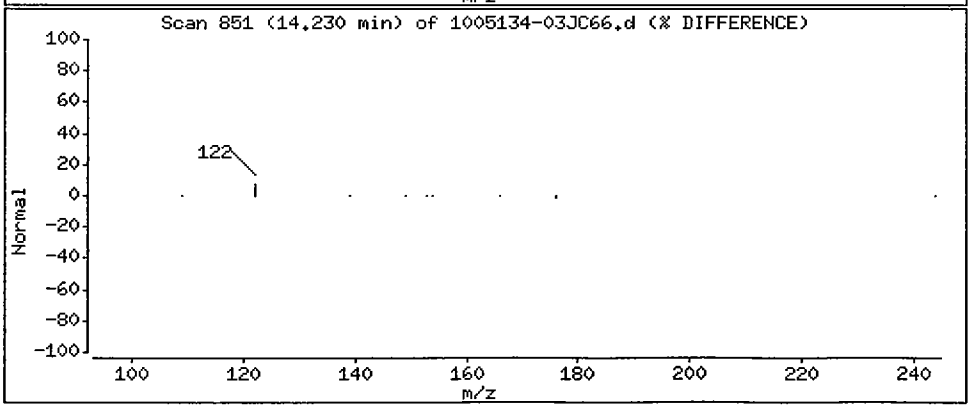
Column phase: Rtx-5MS Column diameter: 0.32

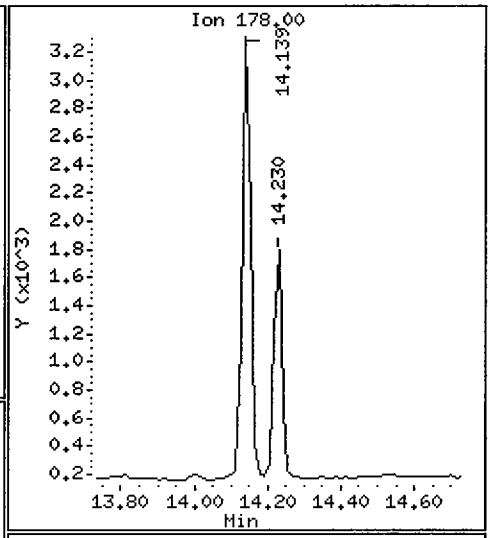
26 Anthracene Concentration: 0.56 ug/Kg

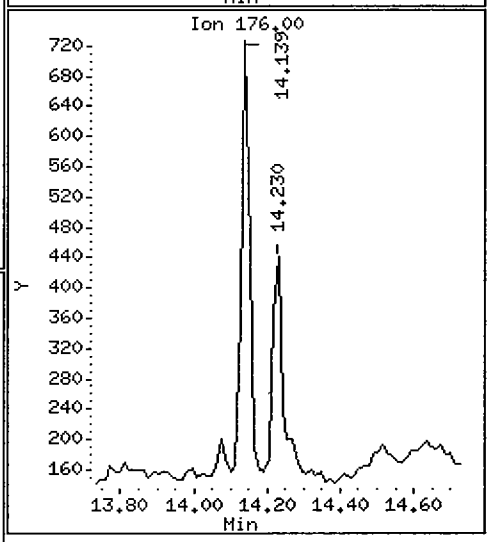












Data File: /chem/5972hp66.i/DS100525C66.b/1005134-03JC66.d

Date : 26-MAY-2010 10:11

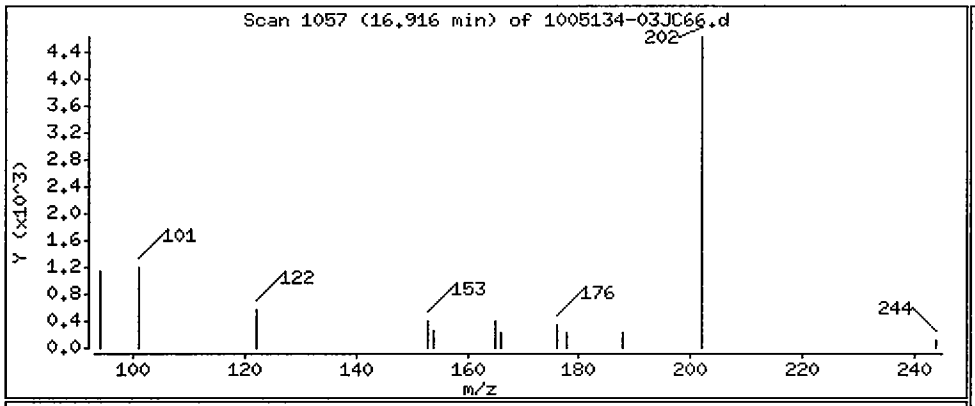
Client ID: SB02-5-6 Instrument: 5972hp66.i

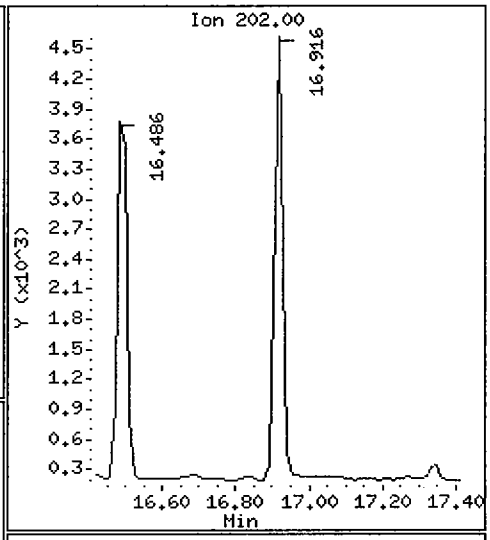
Sample Info: 1005134-03;2743

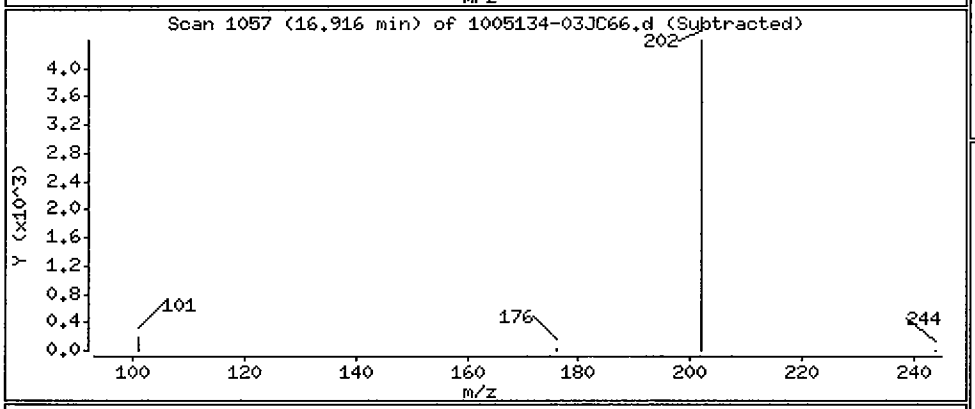
Volume Injected (uL): 2.0 Operator: 2743

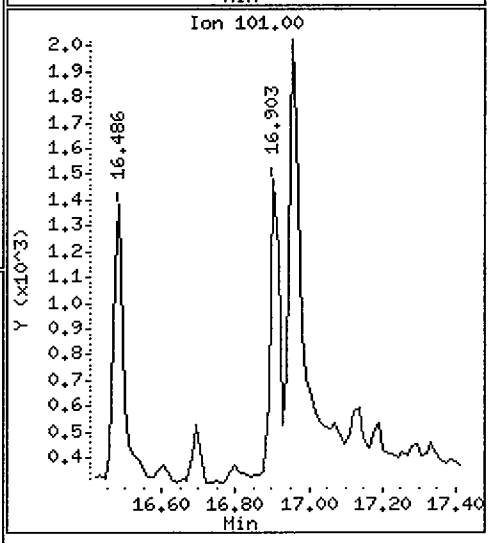
Column phase: Rtx-5MS Column diameter: 0.32

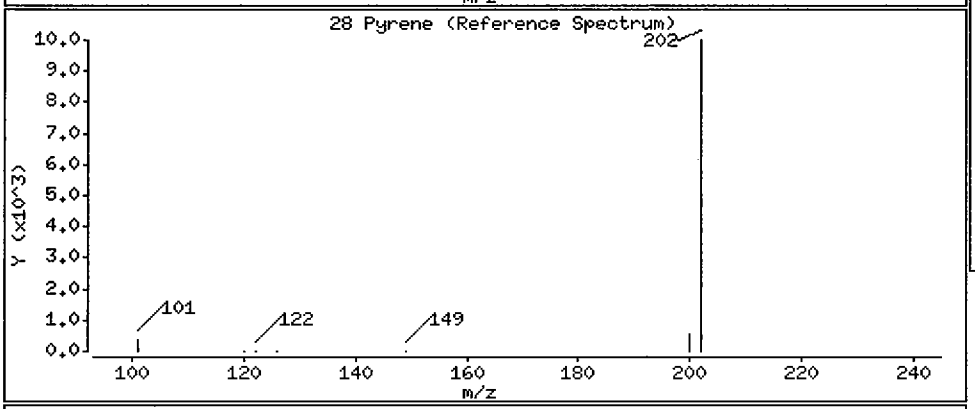
28 Pyrene Concentration: 0.93 ug/Kg

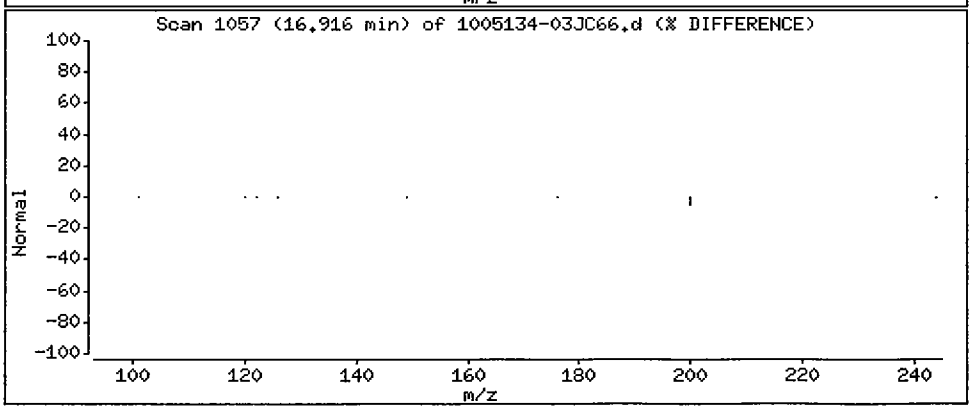












Data File: /chem/5972hp66.i/DS100525C66.b/1005134-03JC66.d

Date : 26-MAY-2010 10:11

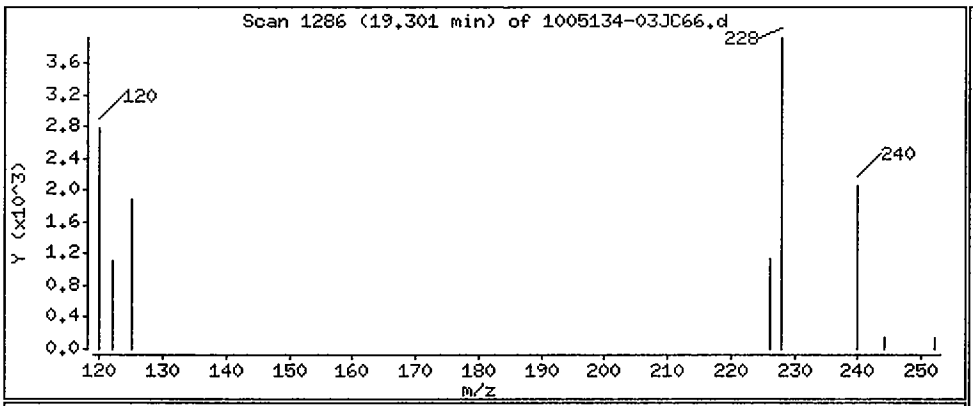
Client ID: SB02-5-6 Instrument: 5972hp66.i

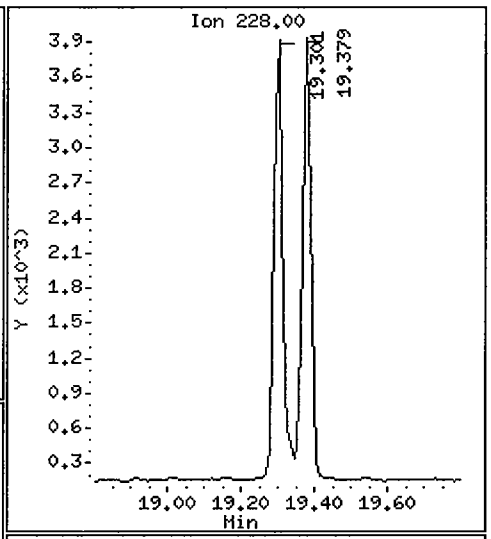
Sample Info: 1005134-03:2743

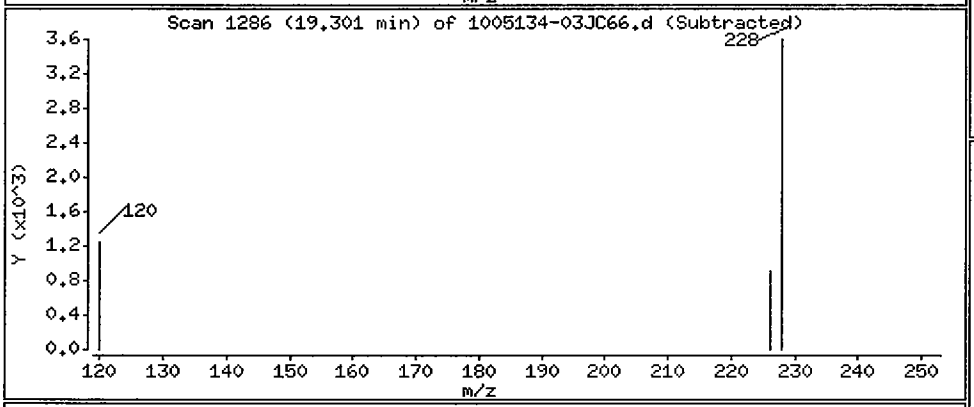
Volume Injected (uL): 2.0 Operator: 2743

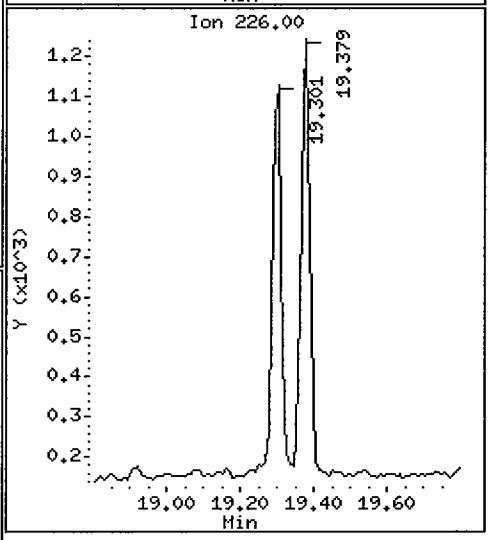
Column phase: Rtx-5MS Column diameter: 0.32

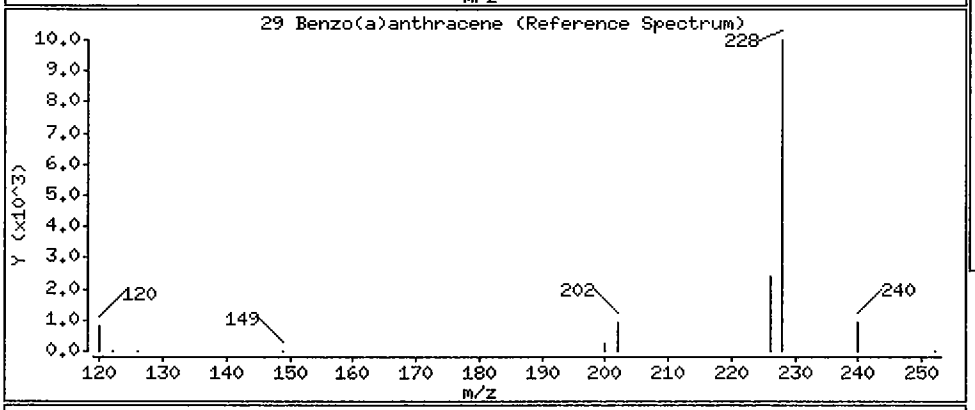
29 Benzo(a)anthracene Concentration: 1.2 ug/Kg

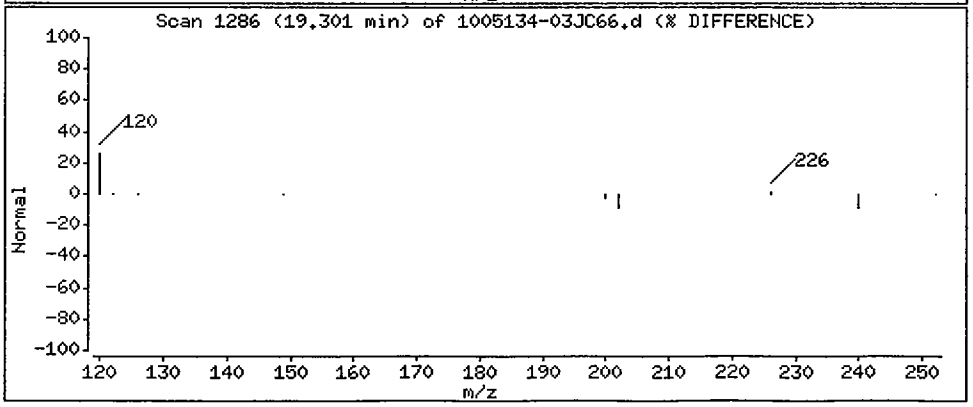












Data File: /chem/5972hp66.i/DS100525C66.b/1005134-03JC66.d

Date : 26-MAY-2010 10:11

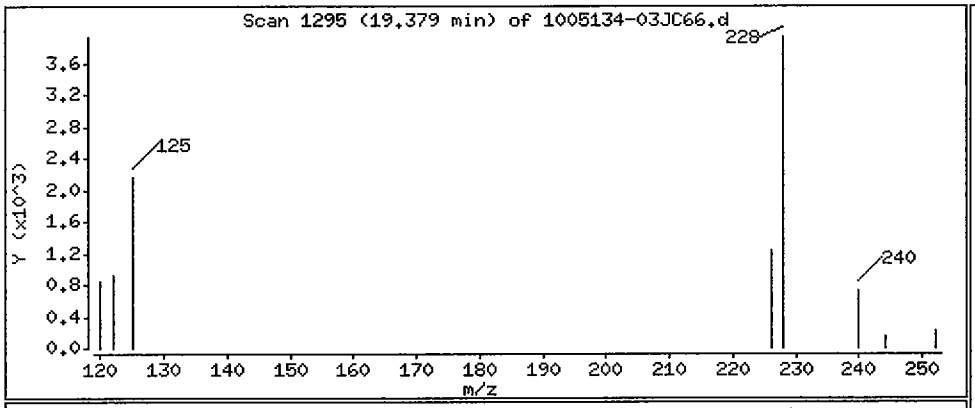
Client ID: SB02-5-6 Instrument: 5972hp66.i

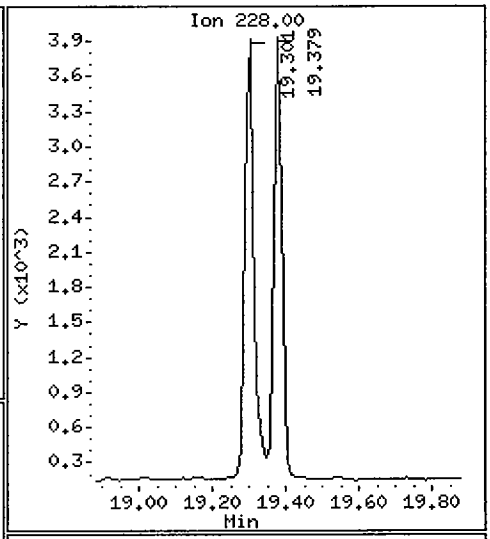
Sample Info: 1005134-03;2743

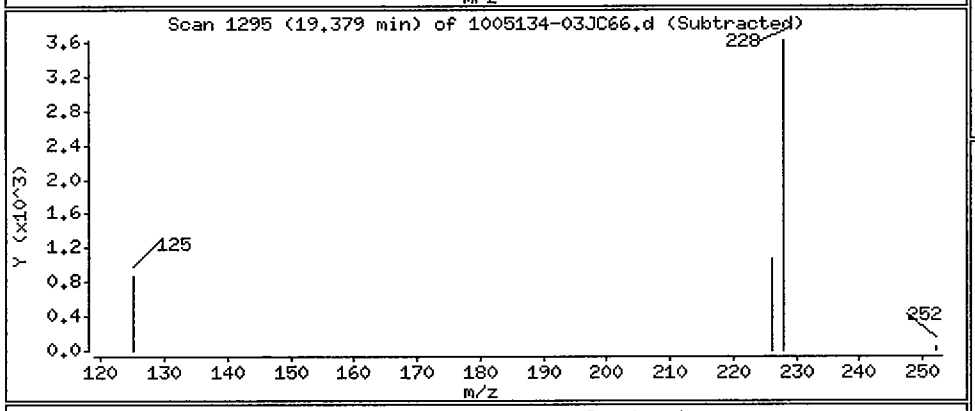
Volume Injected (uL): 2.0 Operator: 2743

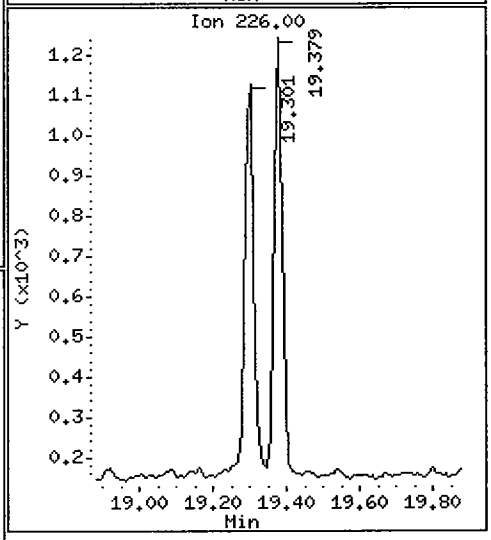
Column phase: Rtx-5MS Column diameter: 0.32

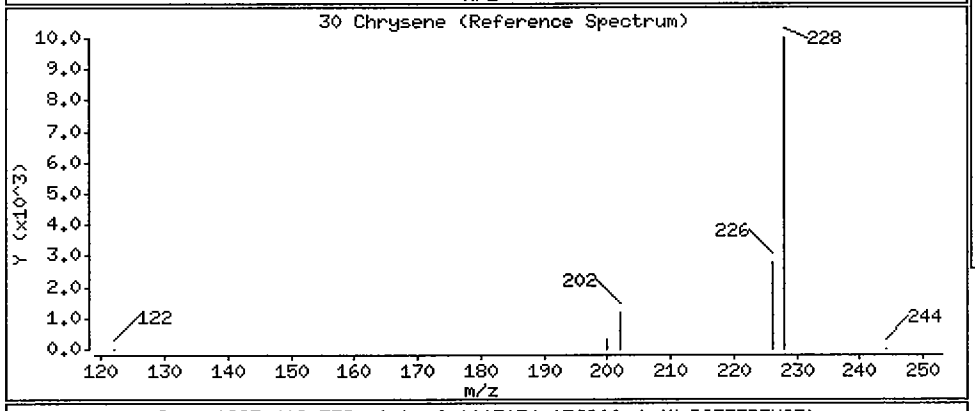
30 Chrysene Concentration: 1.0 ug/Kg

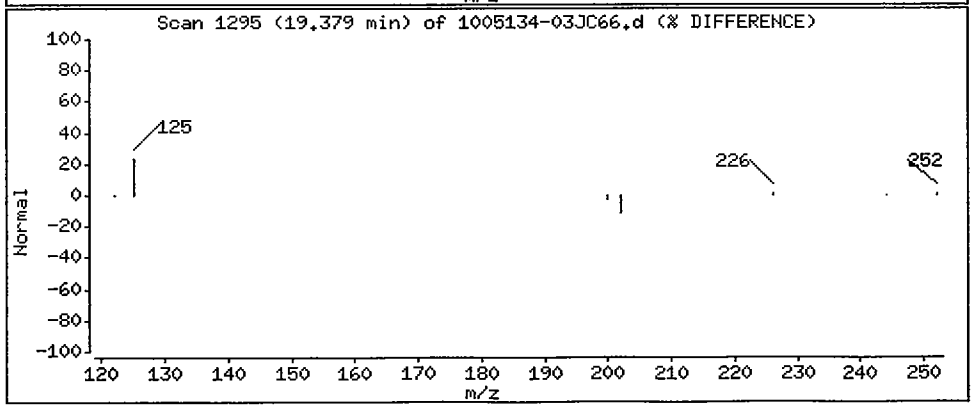












Data File: /chem/5972hp66.i/DS100525C66.b/1005134-03JC66.d

Date : 26-MAY-2010 10:11

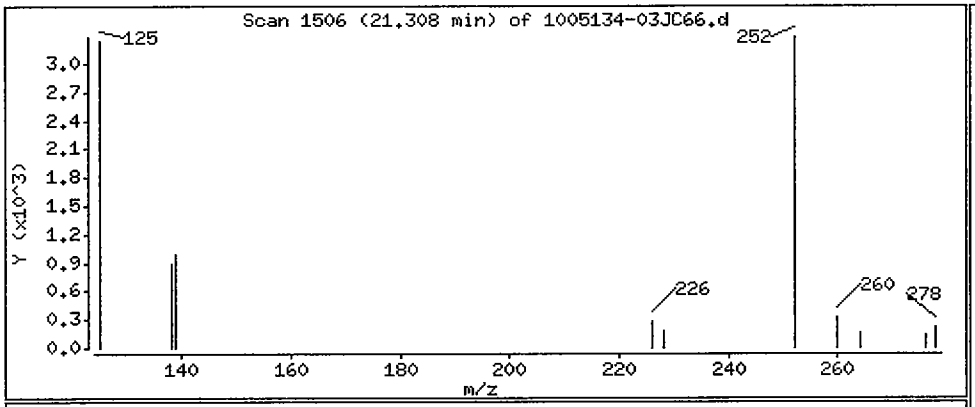
Client ID: SB02-5-6 Instrument: 5972hp66.i

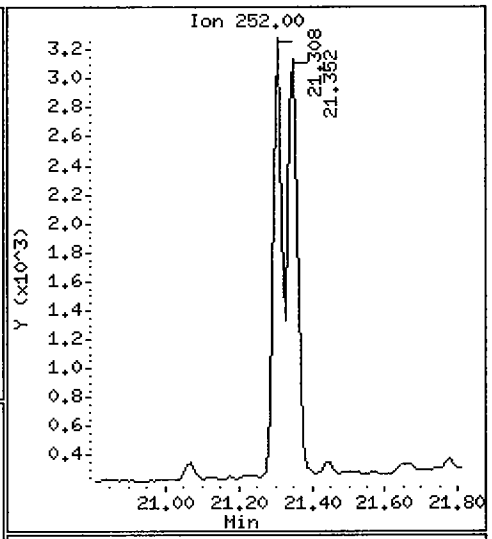
Sample Info: 1005134-03;2743

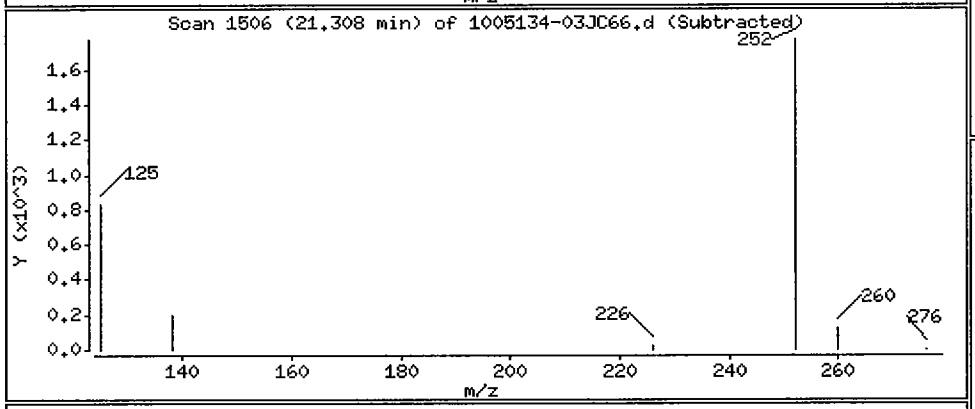
Volume Injected (uL): 2.0 Operator: 2743

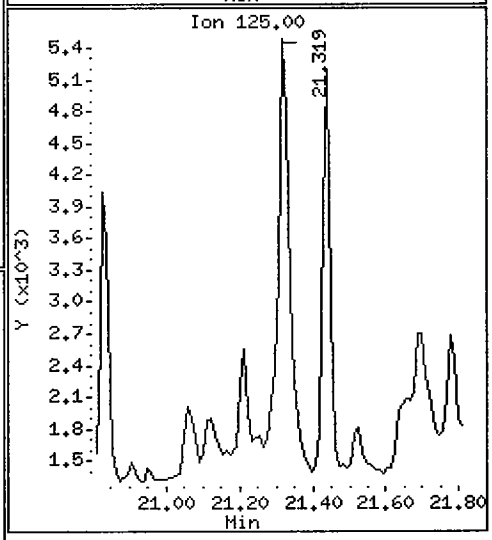
Column phase: Rtx-5MS Column diameter: 0.32

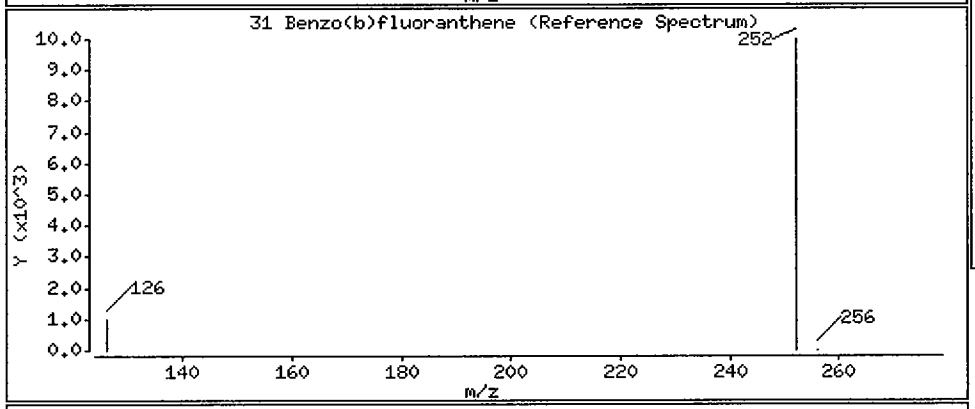
31 Benzo(b)fluoranthene Concentration: 1.1 ug/Kg

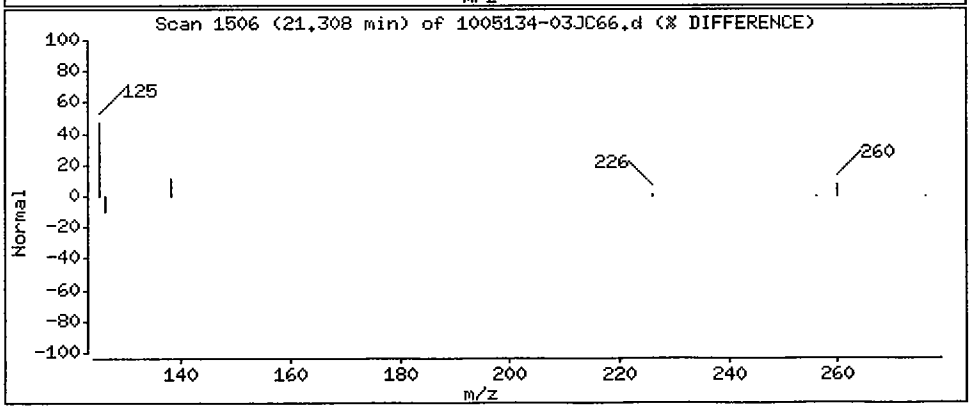












Data File: /chem/5972hp66.i/DS100525C66.b/1005134-03JC66.d

Date : 26-MAY-2010 10:11

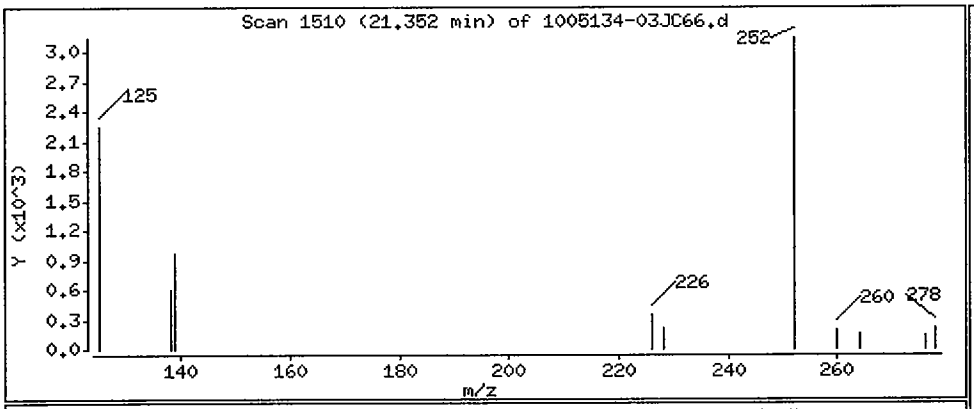
Client ID: SB02-5-6 Instrument: 5972hp66.i

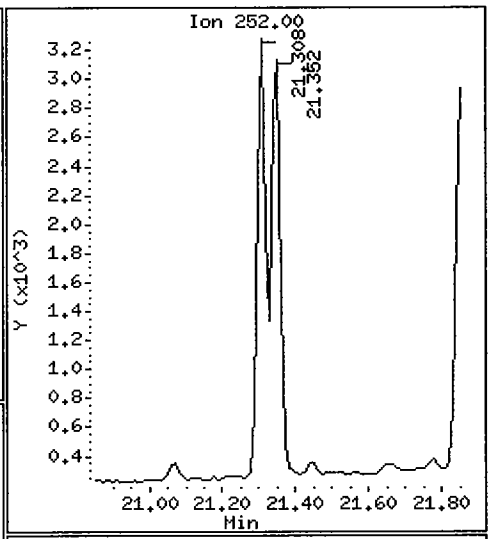
Sample Info: 1005134-03;2743

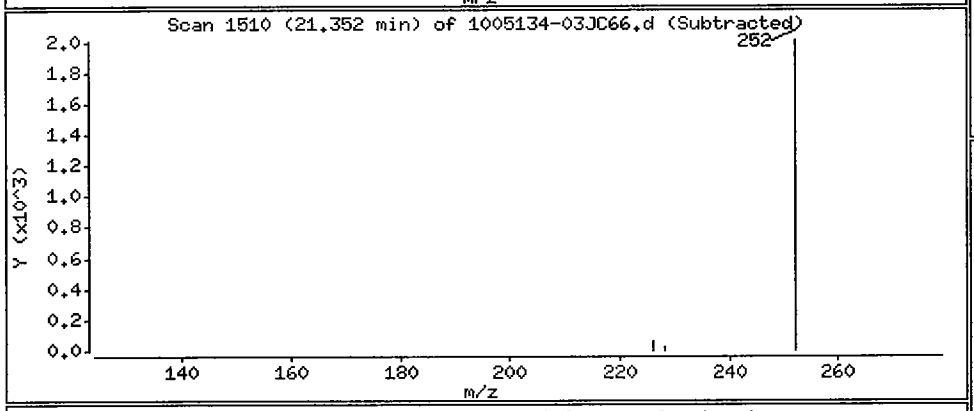
Volume Injected (uL): 2.0 Operator: 2743

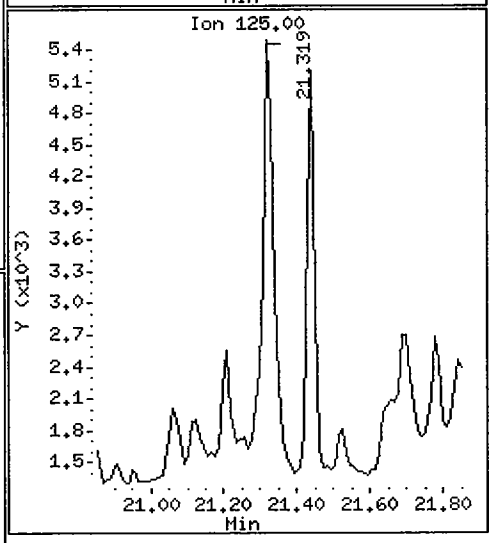
Column phase: Rtx-5MS Column diameter: 0.32

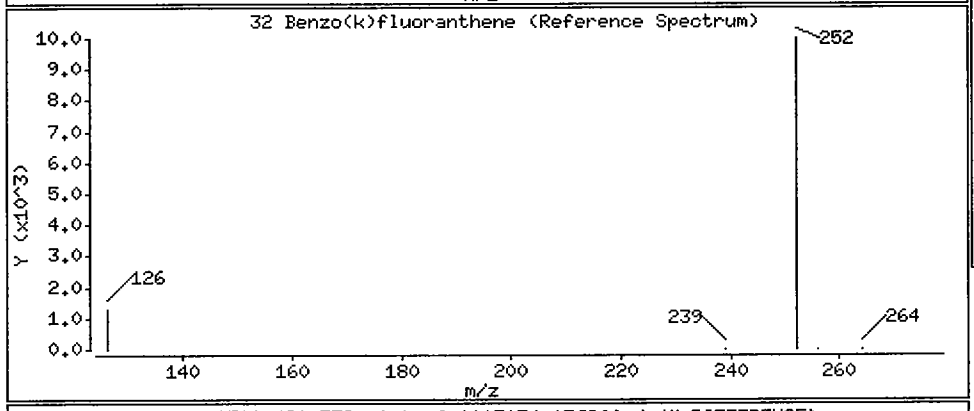
32 Benzo(k)fluoranthene Concentration: 1.0 ug/Kg

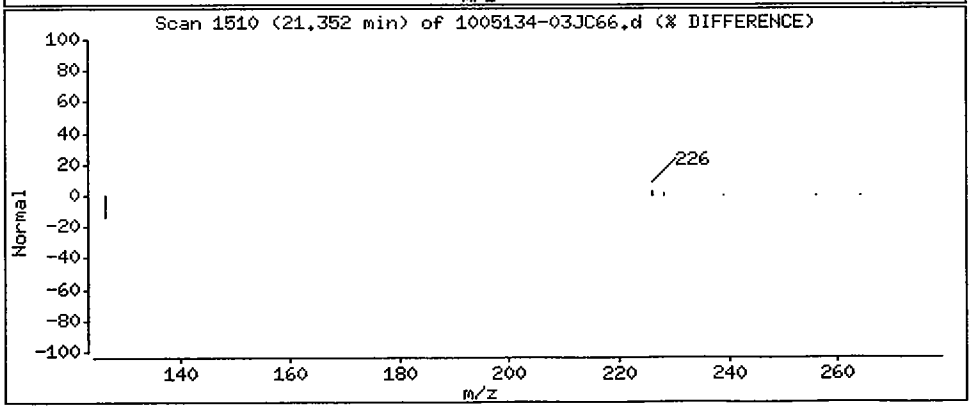












Data File: /chem/5972hp66.i/DS100525C66.b/1005134-03JC66.d

Date : 26-MAY-2010 10:11

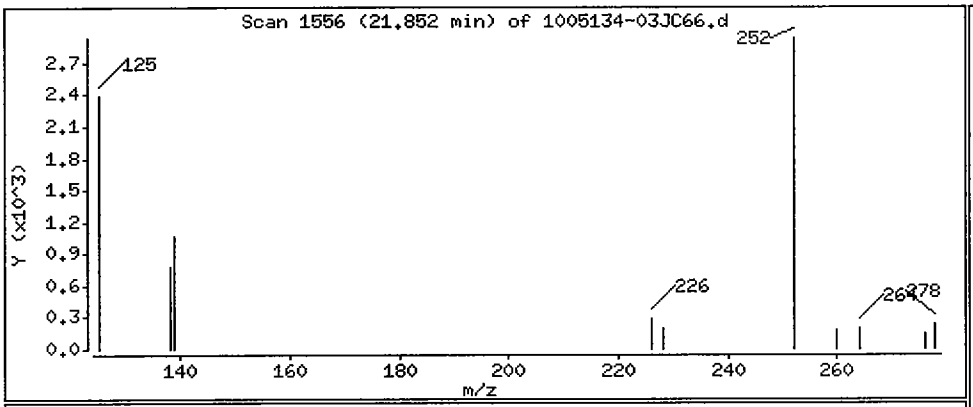
Client ID: SB02-5-6 Instrument: 5972hp66.i

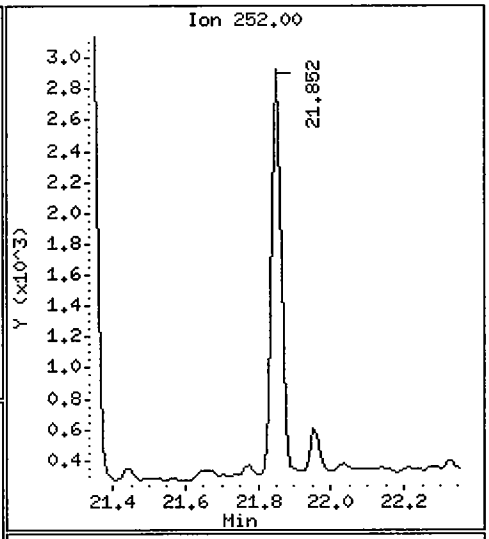
Sample Info: 1005134-03:2743

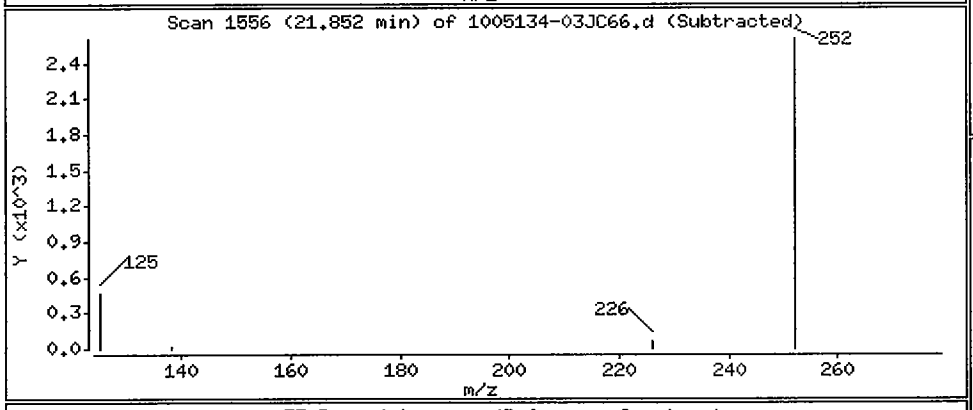
Volume Injected (uL): 2.0 Operator: 2743

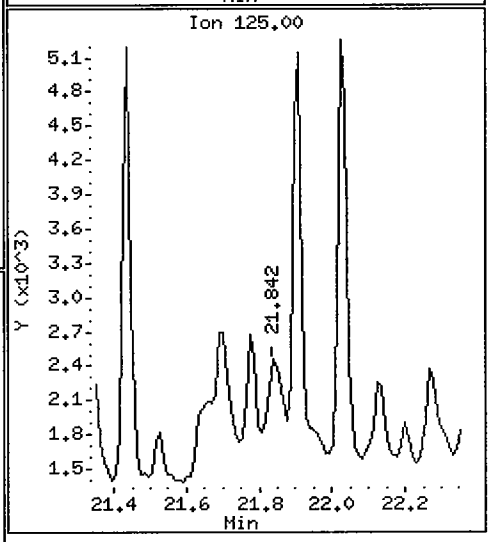
Column phase: Rtx-5MS Column diameter: 0.32

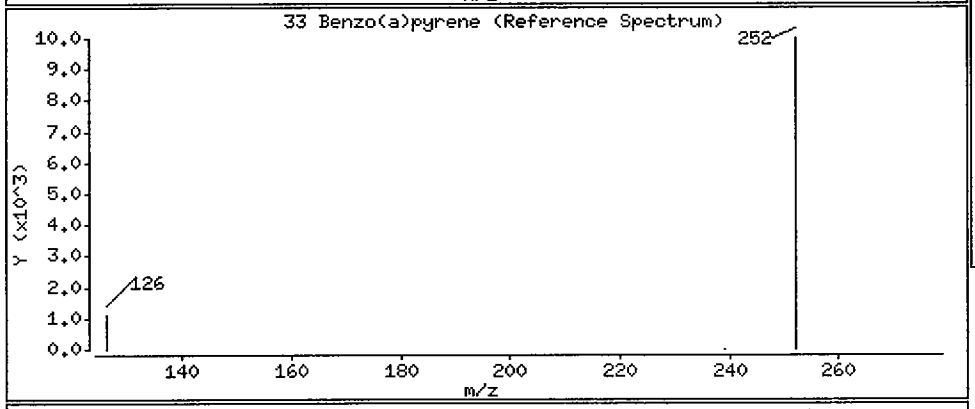
33 Benzo(a)pyrene Concentration: 1.0 ug/Kg

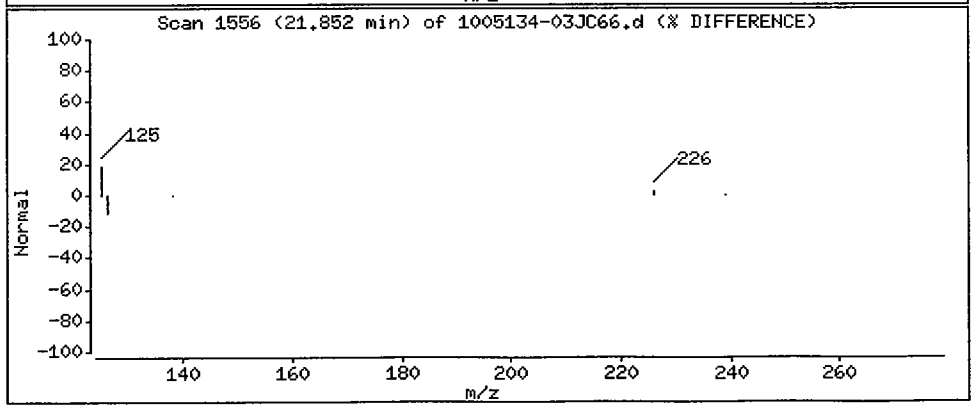












Data File: /chem/5972hp66.i/DS100525C66.b/1005134-03JC66.d

Date : 26-MAY-2010 10:11

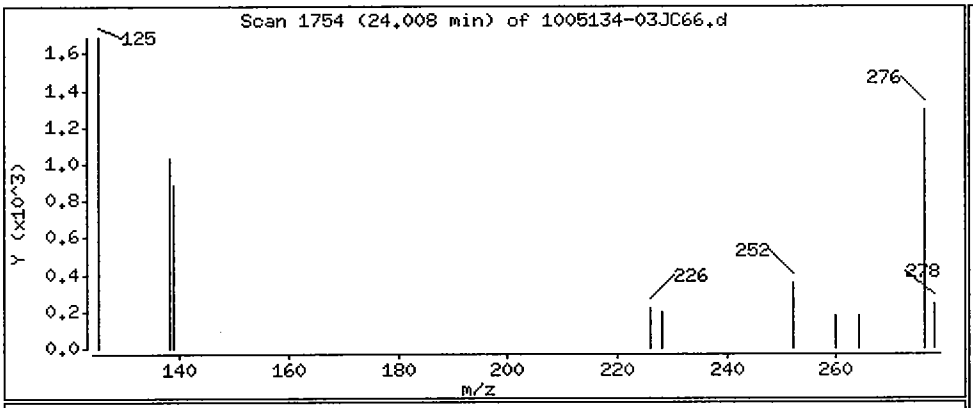
Client ID: SB02-5-6 Instrument: 5972hp66.i

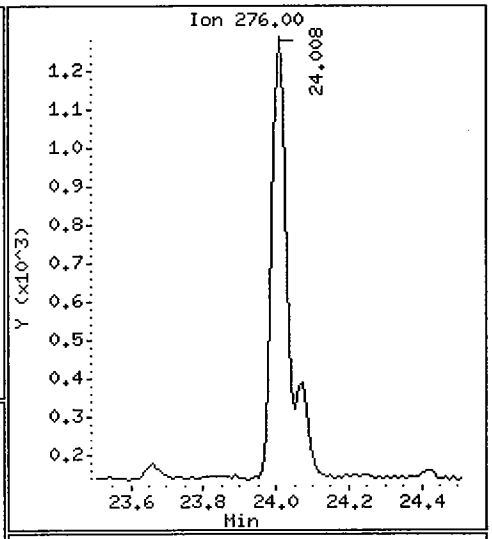
Sample Info: 1005134-03;2743

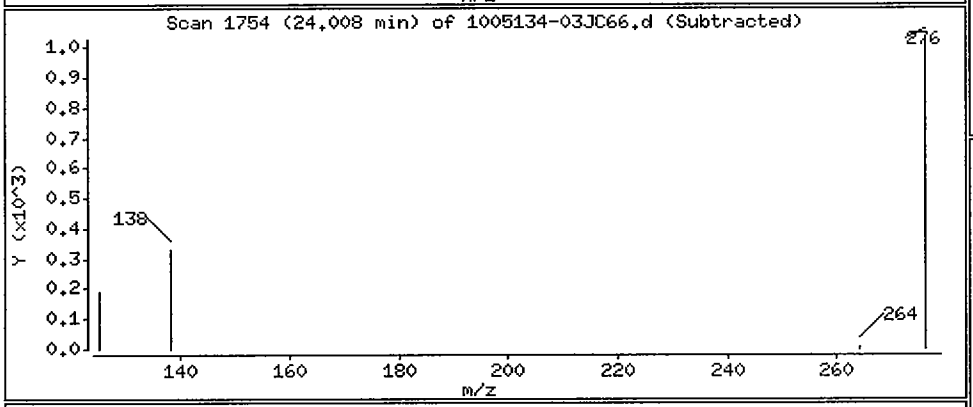
Volume Injected (uL): 2.0 Operator: 2743

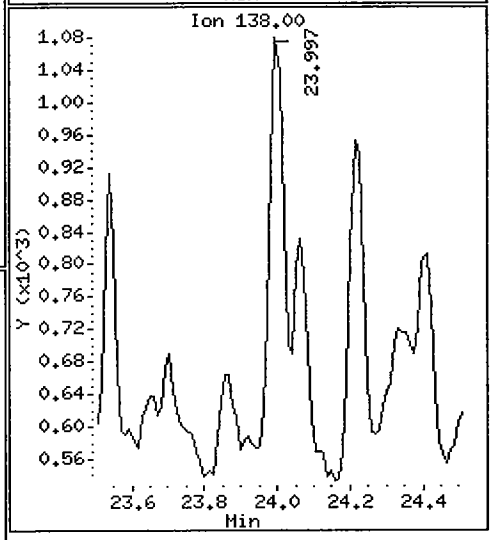
Column phase: Rtx-5MS Column diameter: 0.32

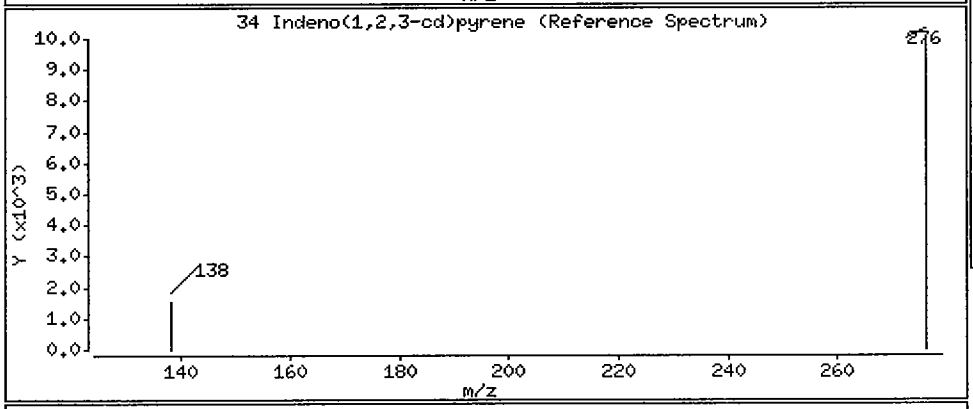
34 Indeno(1,2,3-cd)pyrene Concentration: 0.78 ug/Kg

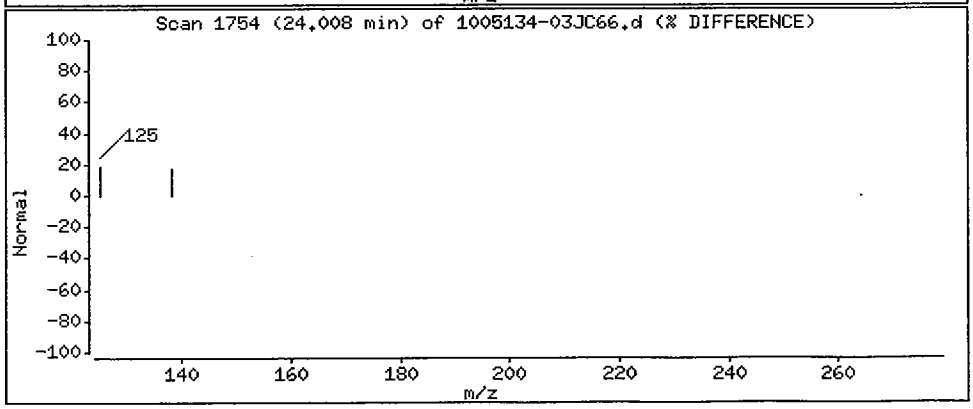












Data File: /chem/5972hp66.i/DS100525C66.b/1005134-03JC66.d

Date : 26-MAY-2010 10:11

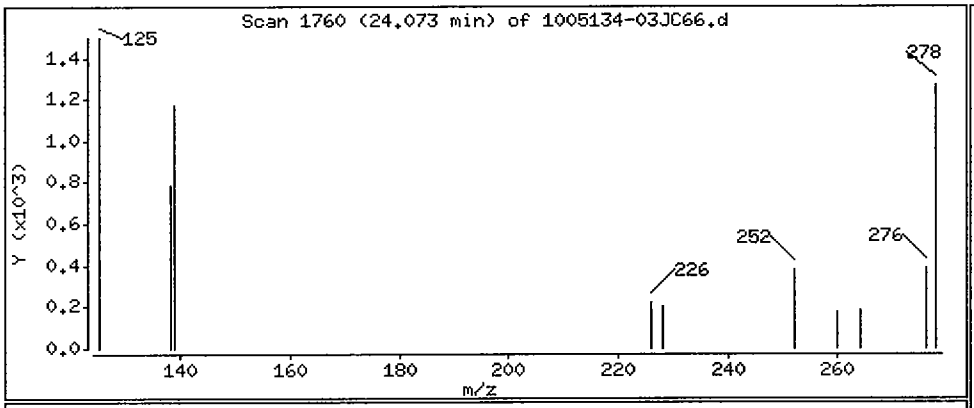
Client ID: SB02-5-6 Instrument: 5972hp66.i

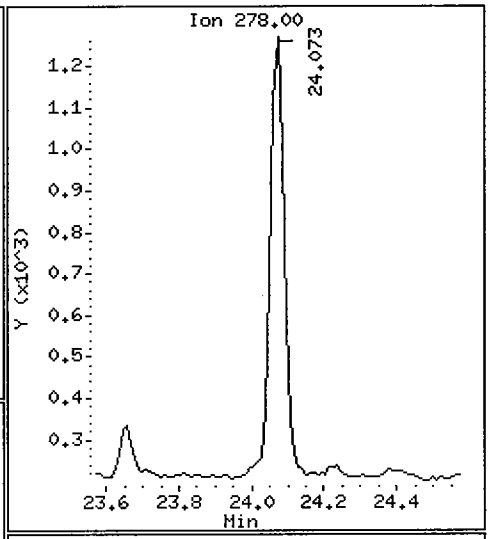
Sample Info: 1005134-03:2743

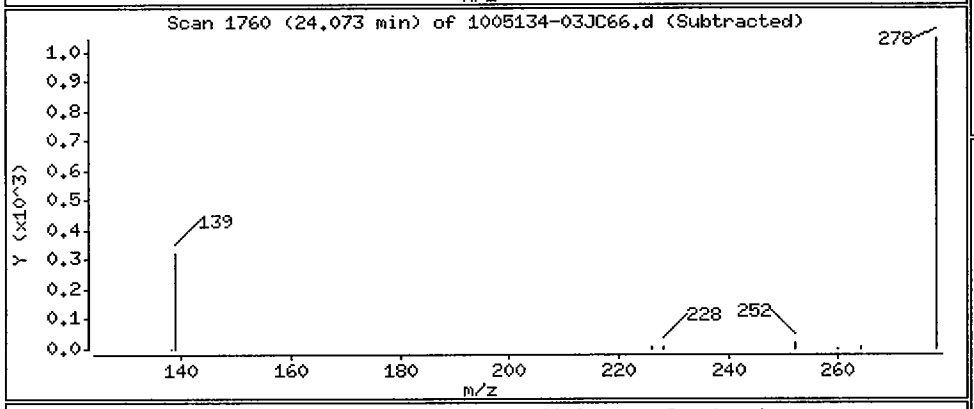
Volume Injected (uL): 2.0 Operator: 2743

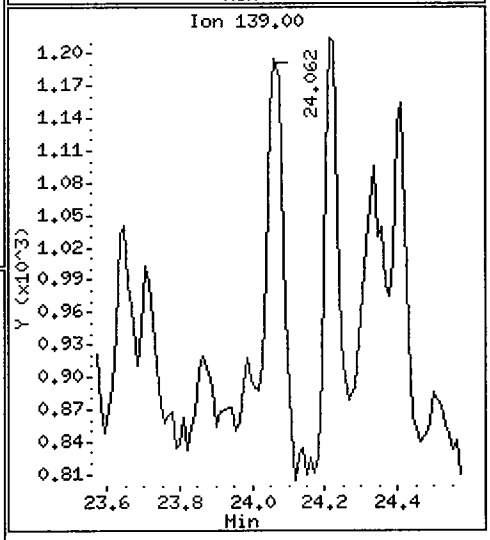
Column phase: Rtx-5MS Column diameter: 0.32

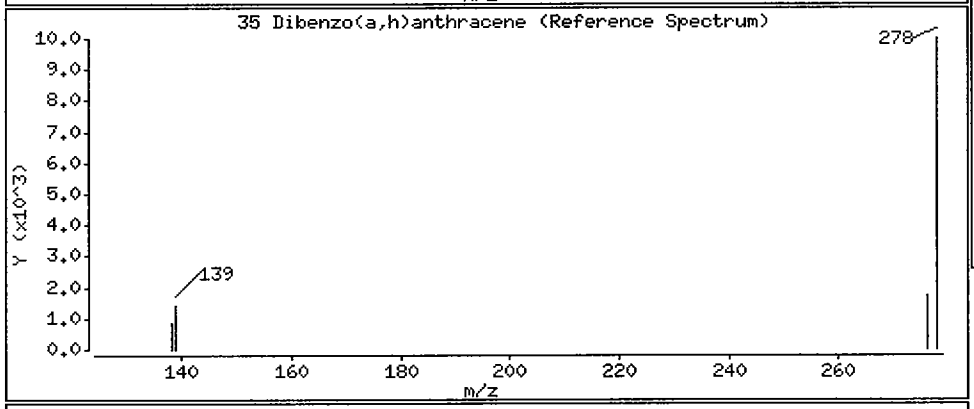
35 Dibenzo(a,h)anthracene Concentration: 0.72 ug/Kg

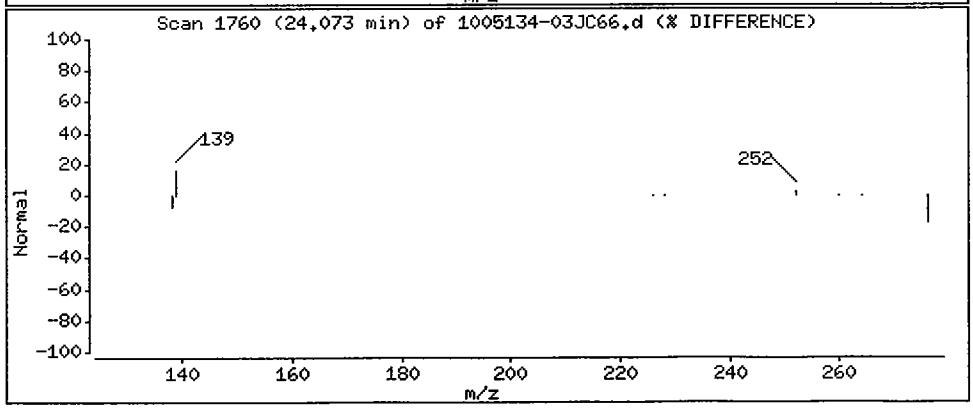












Data File: /chem/5972hp66.i/DS100525C66.b/1005134-03JC66.d

Date : 26-MAY-2010 10:11

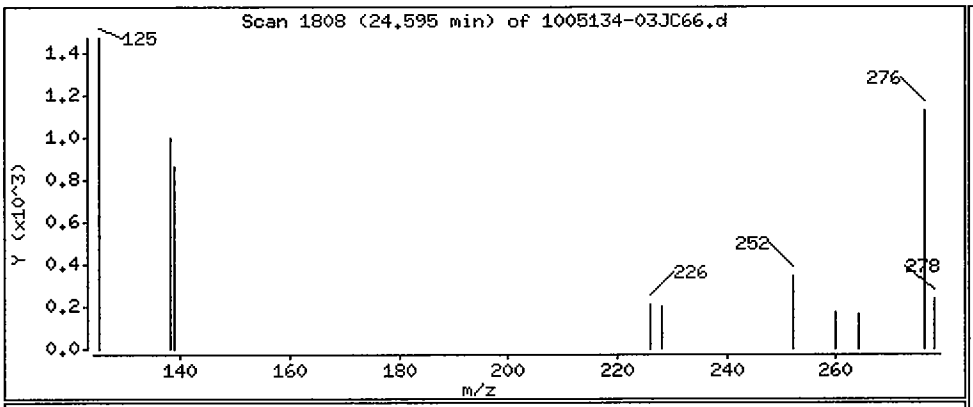
Client ID: SB02-5-6 Instrument: 5972hp66.i

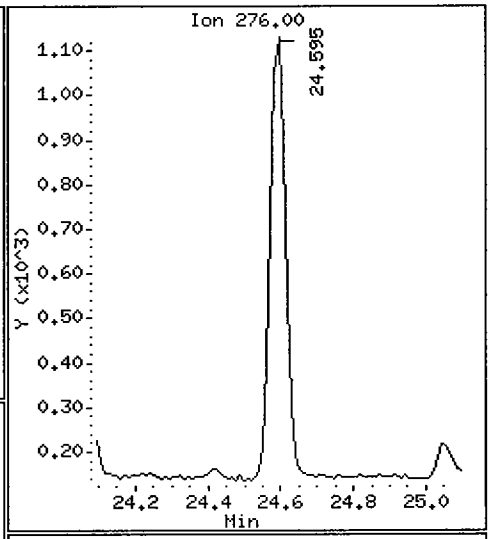
Sample Info: 1005134-03:2743

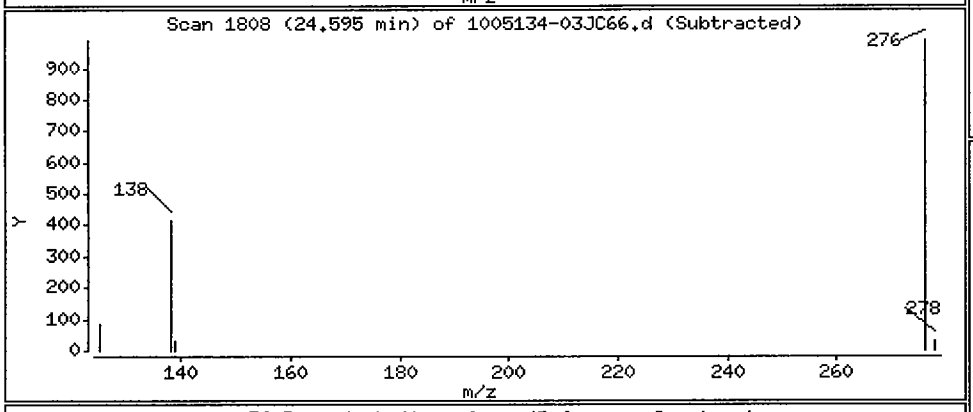
Volume Injected (uL): 2.0 Operator: 2743

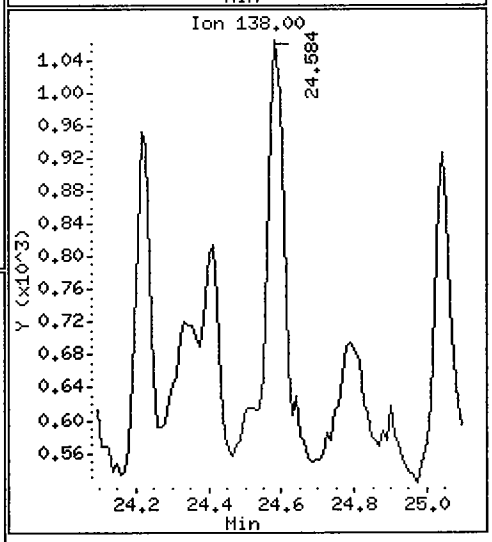
Column phase: Rtx-5MS Column diameter: 0.32

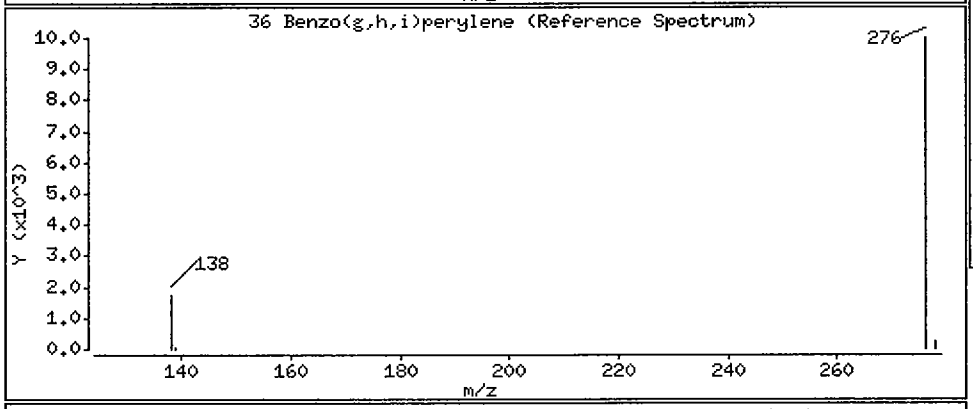
36 Benzo(g,h,i)perylene Concentration: 0.66 ug/Kg

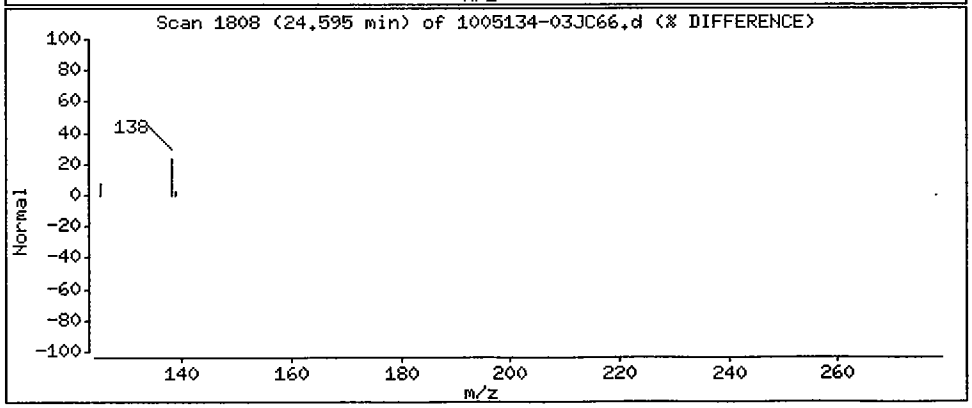












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB02D-5-6

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/14/10

Lab Sample ID: 1005134-04
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/14/10
Lab File ID: 1005134-04JC66
Analyst: 2743

% Moisture: 22 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0051920-BLK1

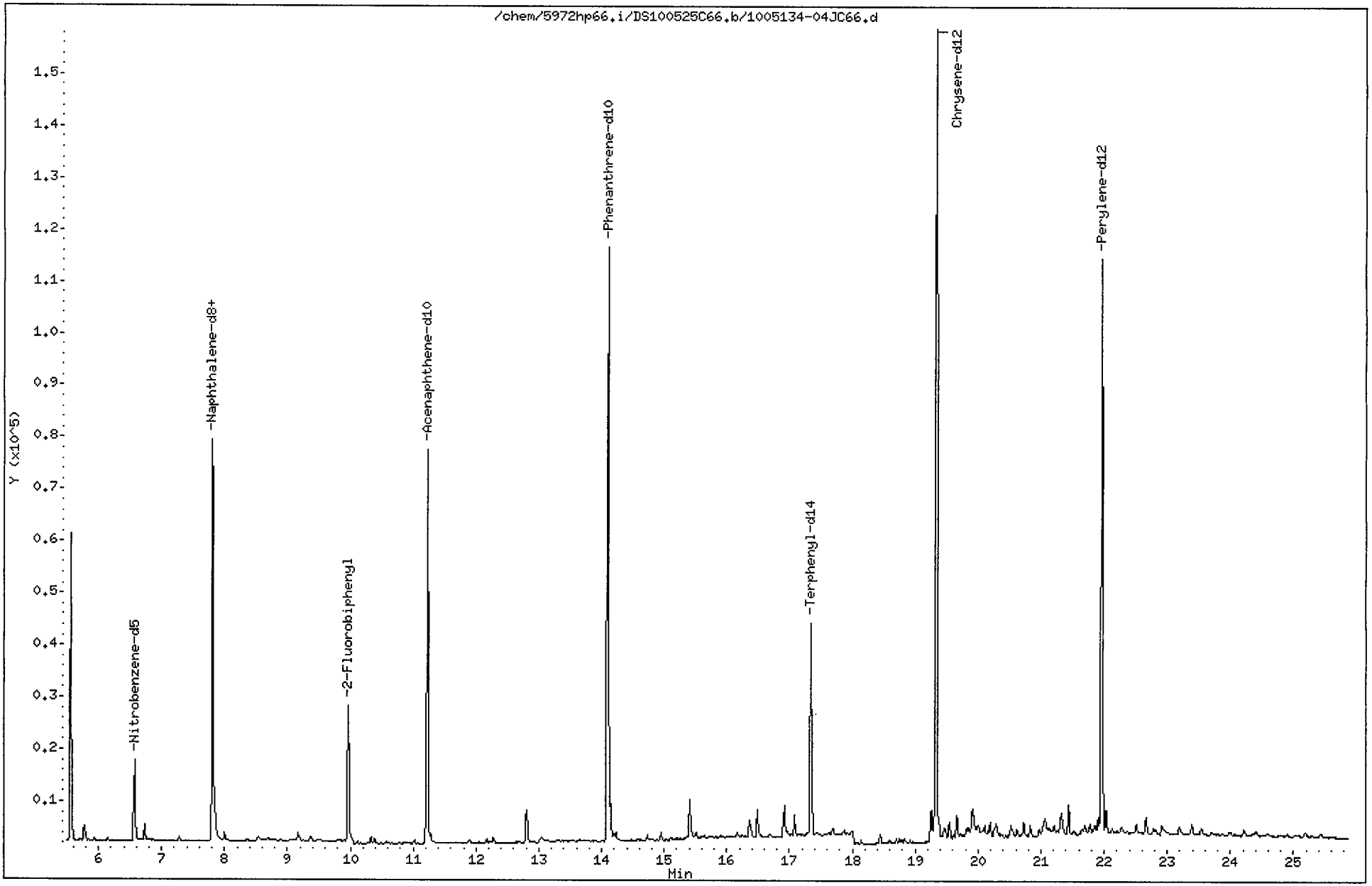
Date Extracted: 05/20/10
Date Analyzed: 05/26/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.92	11	0.96	JB
91-57-6	2-Methylnaphthalene	0.88	11	ND	U
208-96-8	Acenaphthylene	0.68	11	ND	U
83-32-9	Acenaphthene	0.77	11	ND	U
86-73-7	Fluorene	0.58	11	ND	U
85-01-8	Phenanthrene	1.7	11	1.7	J
120-12-7	Anthracene	0.56	11	ND	U
206-44-0	Fluoranthene	1.7	11	ND	U
129-00-0	Pyrene	0.73	11	1.2	J
56-55-3	Benzo(a)anthracene	0.73	11	ND	U
218-01-9	Chrysene	0.81	11	ND	U
205-99-2	Benzo(b)fluoranthene	0.73	11	ND	U
207-08-9	Benzo(k)fluoranthene	0.56	11	ND	U
50-32-8	Benzo(a)pyrene	0.49	11	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.47	11	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.43	11	ND	U
191-24-2	Benzo(g,h,i)perylene	0.49	11	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp66.i/DS100525C66.b/1005134-04JC66.d
Date : 26-MAY-2010 10:45
Client ID: SB02D-5-6
Sample Info: 1005134-04:2743
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: 2743
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100525C66.b/1005134-04JC66.d
Report Date: 01-Jun-2010 18:09

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100525C66.b/1005134-04JC66.d
Lab Smp Id: 1005134-04 Client Smp ID: SB02D-5-6
Inj Date : 26-MAY-2010 10:45
Operator : 2743 Inst ID: 5972hp66.i
Smp Info : 1005134-04:2743
Misc Info : SB02D-5-6
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100525C66.b/SIM_8270Cv2DOD.m
Meth Date : 01-Jun-2010 18:08 byrd Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	22.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 1	1,4-Dichlorobenzene-d4	152	5.560	5.560	(1.000)	33001	2.00000	
* 2	Naphthalene-d8	136	7.802	7.802	(1.000)	120837	2.00000	
* 3	Acenaphthene-d10	164	11.230	11.231	(1.000)	59298	2.00000	
* 4	Phenanthrene-d10	188	14.100	14.101	(1.000)	158585	2.00000	
* 5	Chrysene-d12	240	19.337	19.336	(1.000)	206624	2.00000	
* 6	Perylene-d12	264	21.960	21.961	(1.000)	148035	2.00000	
$ 9	Nitrobenzene-d5	82	6.577	6.563	(0.843)	17035	0.63354	14
$ 10	2-Fluorobiphenyl	172	9.966	9.966	(0.887)	36181	0.58471	12
$ 12	Terphenyl-d14	244	17.347	17.347	(0.897)	56656	0.75466	16
13	Naphthalene	128	7.841	7.841	(1.005)	3355	0.04489	0.96(a)
15	2-Methylnaphthalene	141	Compound Not Detected.					
17	Acenaphthylene	152	Compound Not Detected.					
18	Acenaphthene	154	Compound Not Detected.					

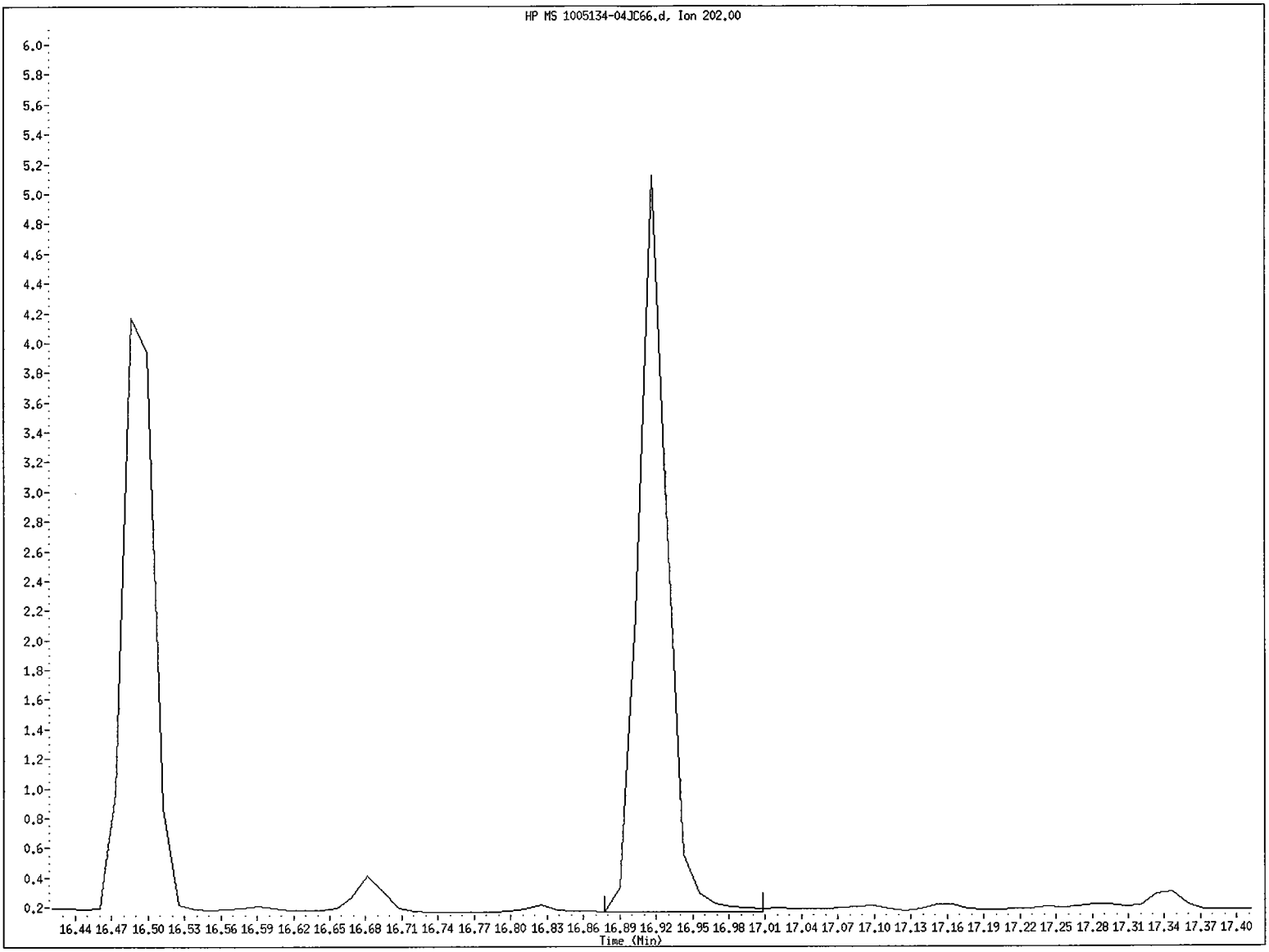
Data File: /chem/5972hp66.i/DS100525C66.b/1005134-04JC66.d
Report Date: 01-Jun-2010 18:09

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	14.139	14.140	(1.003)	8063	0.08154	1.7(a)
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	16.916	16.917	(0.875)	8084	0.05418	1.2(aM)
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

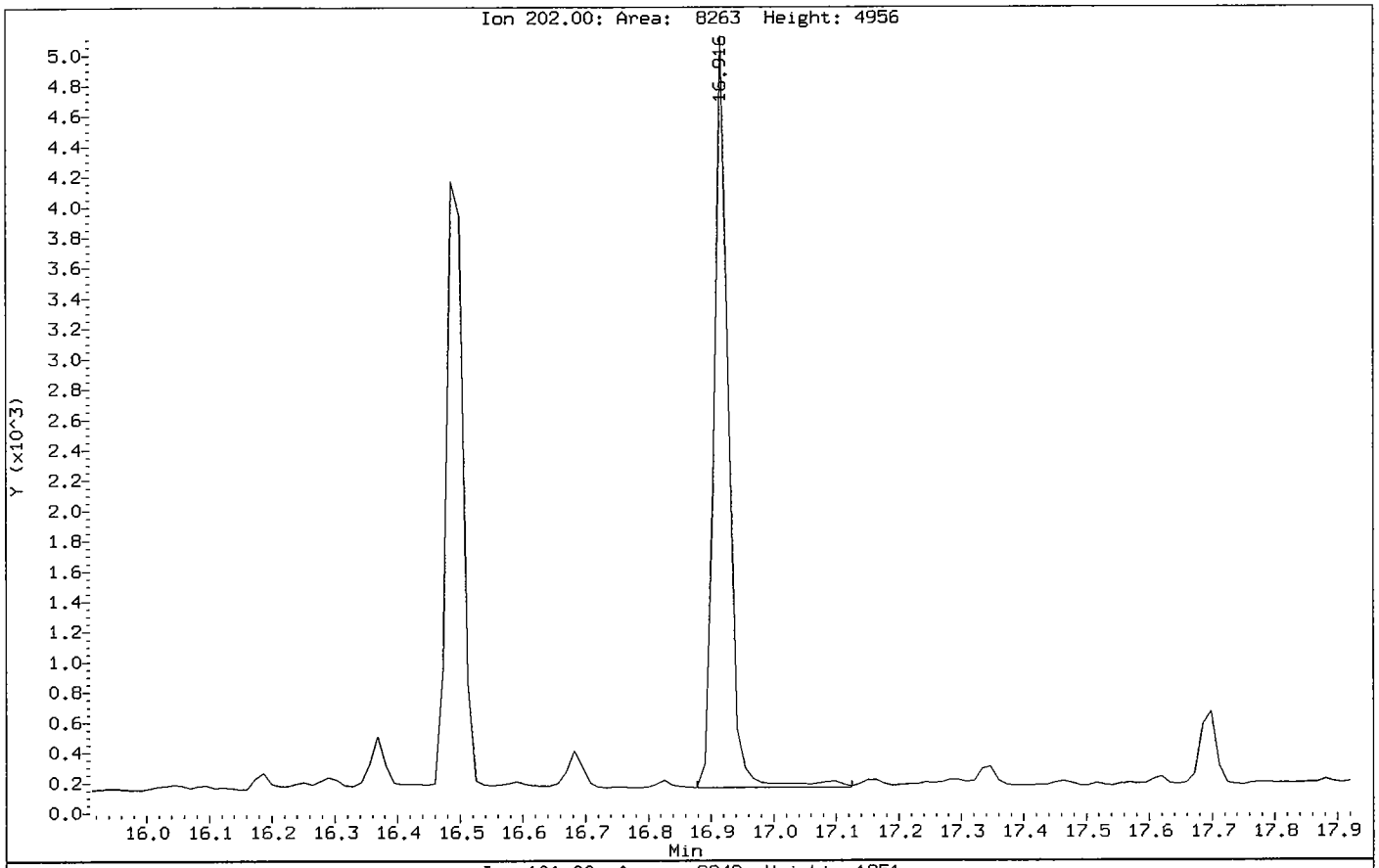
Pyrene CAS Number 129-00-0 Area = 8084 Manually integrated

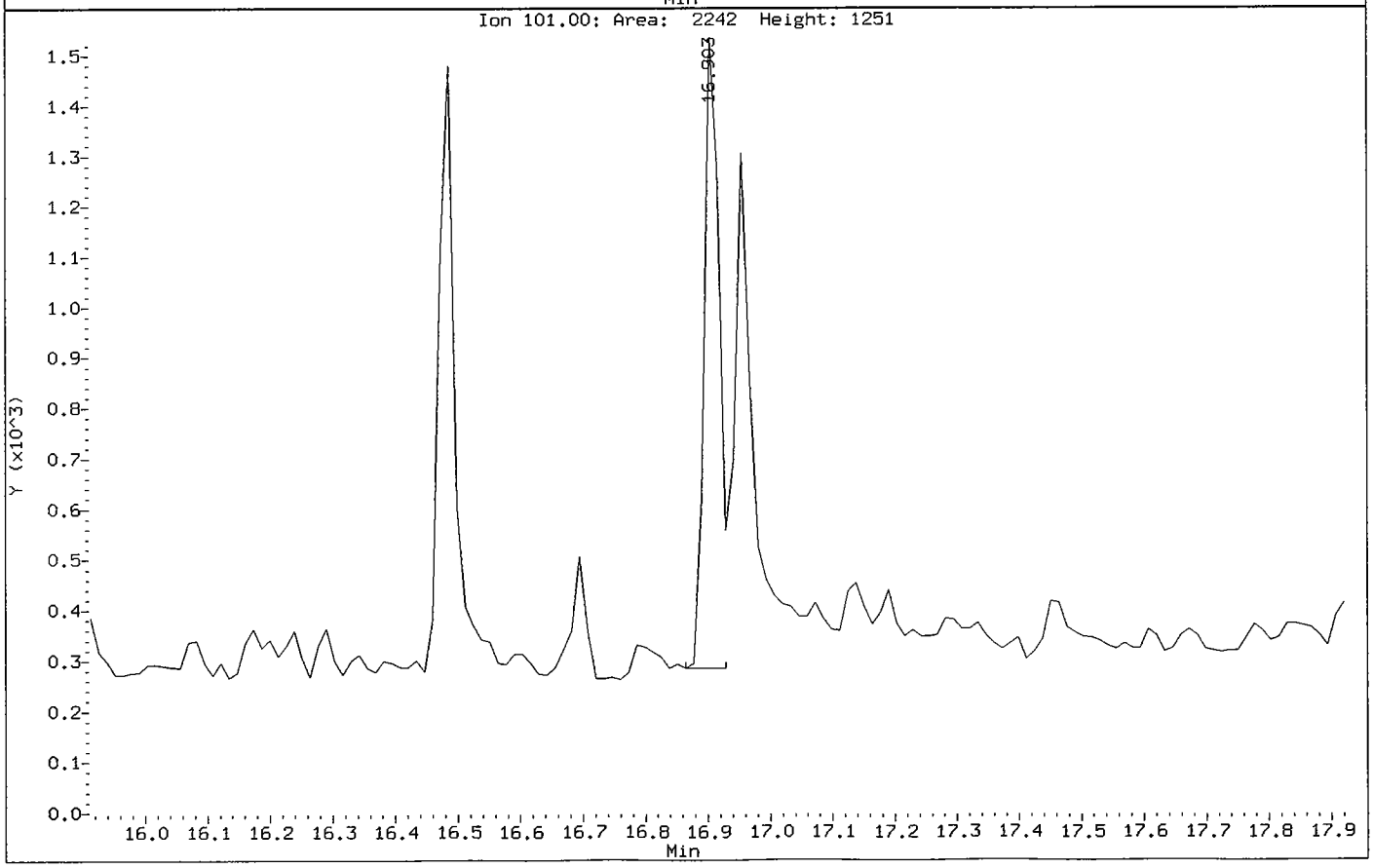


File name: /chem/5972hp66.i/DS100525C66.b/1005134-04JC66.d
Client ID: SB02D-5-6
Instrument ID: 5972hp66.i
Injection Date and Time: 26-MAY-2010 10:45
Retention Time: 16.92
Operator ID: 2743

Data File: /chem/5972hp66.i/DS100525C66.b/1005134-04JC66.d
Injection Date: 26-MAY-2010 10:45
Instrument: 5972hp66.i
Client Sample ID: SB02D-5-6

Compound: Pyrene
CAS Number: 129-00-0





Data File: /chem/5972hp66.i/DS100525C66.b/1005134-04JC66.d

Date : 26-MAY-2010 10:45

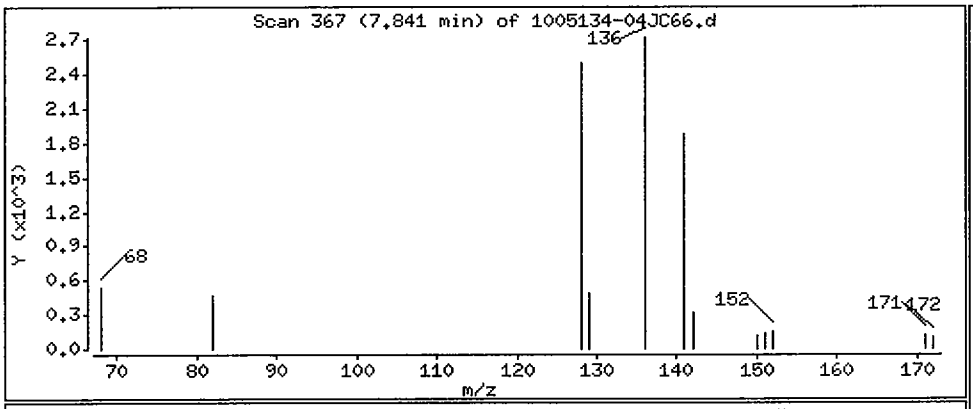
Client ID: SB02D-5-6 Instrument: 5972hp66.i

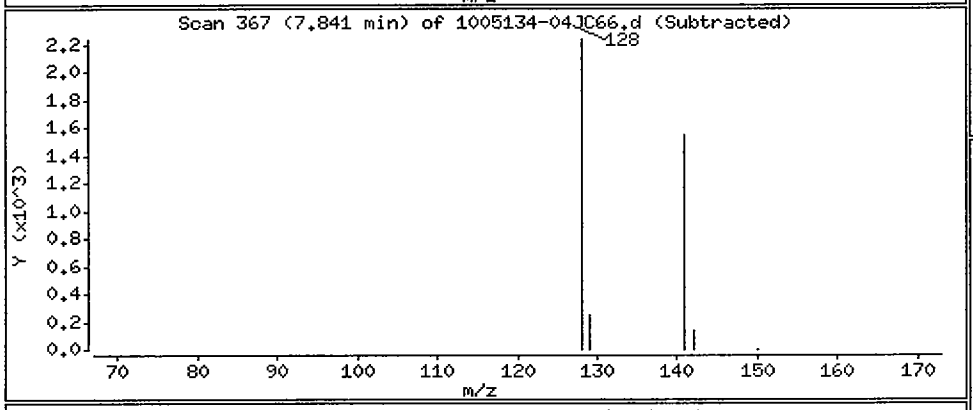
Sample Info: 1005134-04:2743

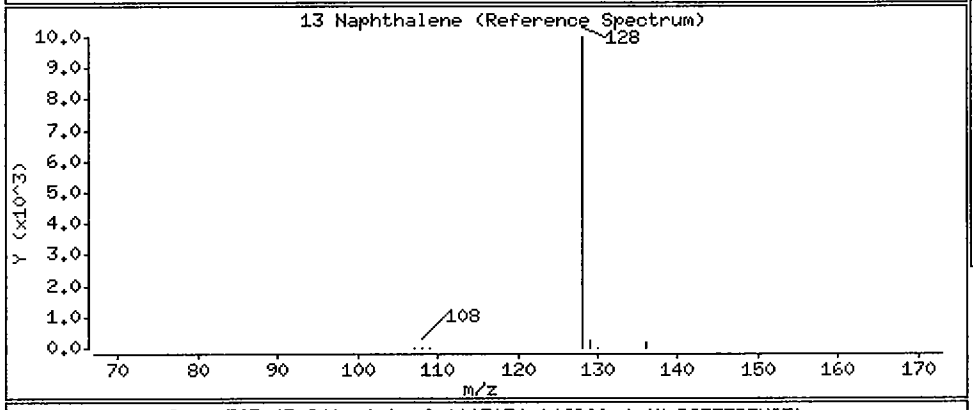
Volume Injected (uL): 2.0 Operator: 2743

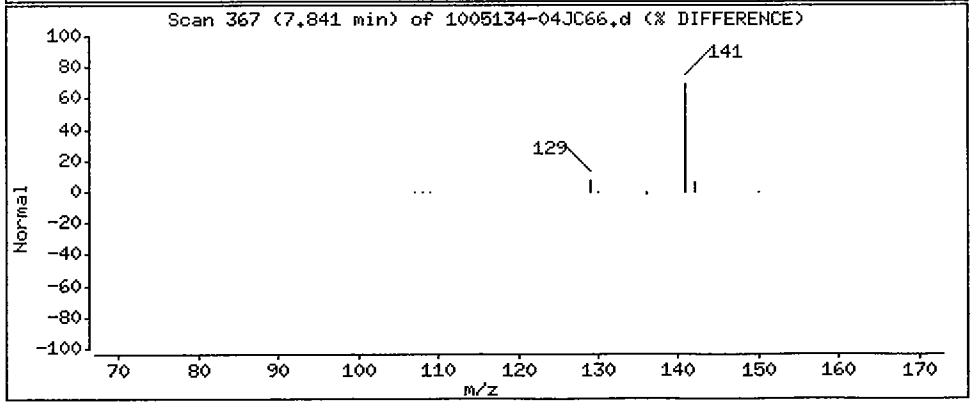
Column phase: Rtx-5MS Column diameter: 0.32

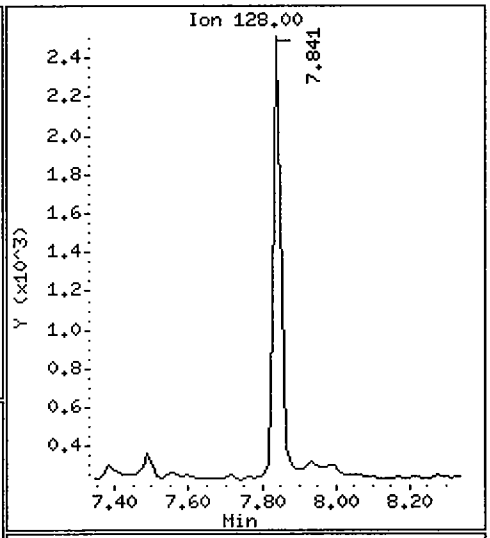
13 Naphthalene Concentration: 0.96 ug/Kg

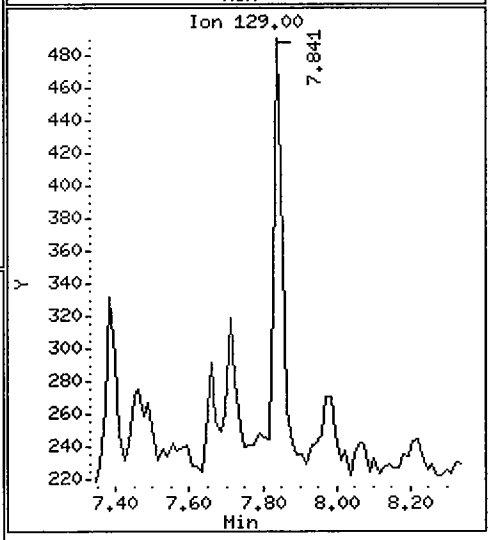












Data File: /chem/5972hp66.i/DS100525C66.b/1005134-04JC66.d

Date : 26-MAY-2010 10:45

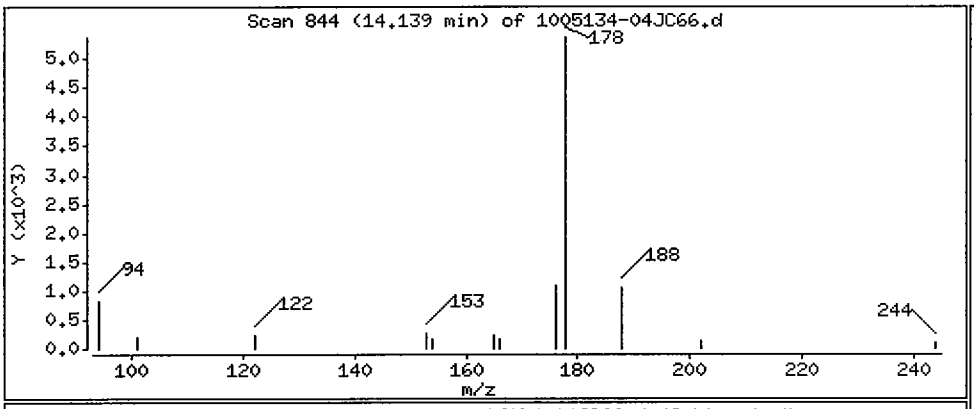
Client ID: SB02D-5-6 Instrument: 5972hp66.i

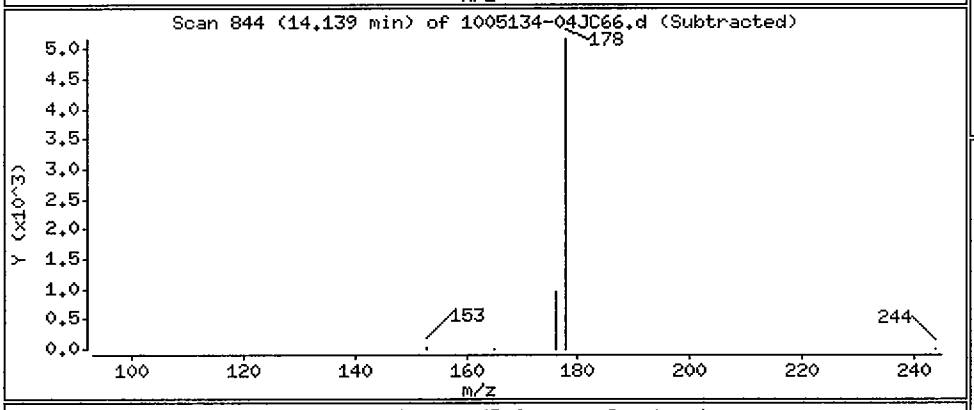
Sample Info: 1005134-04:2743

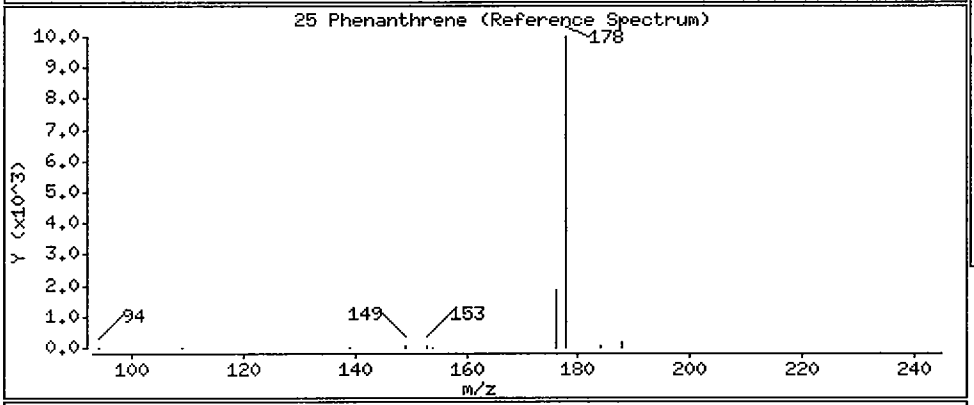
Volume Injected (uL): 2.0 Operator: 2743

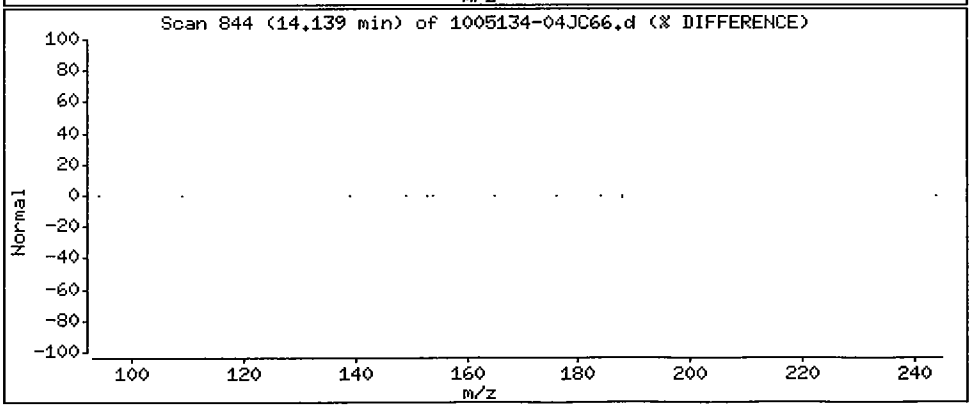
Column phase: Rtx-5MS Column diameter: 0.32

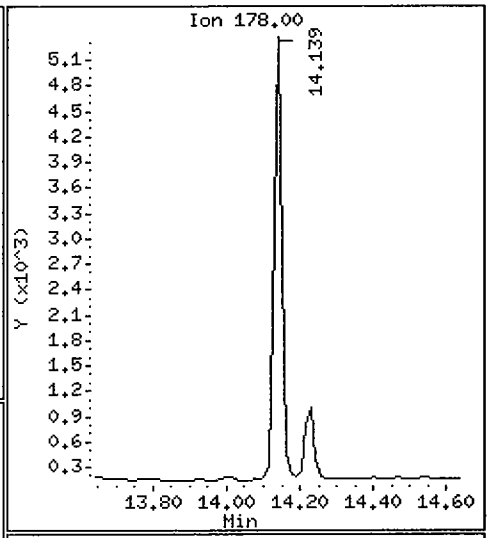
25 Phenanthrene Concentration: 1.7 ug/Kg

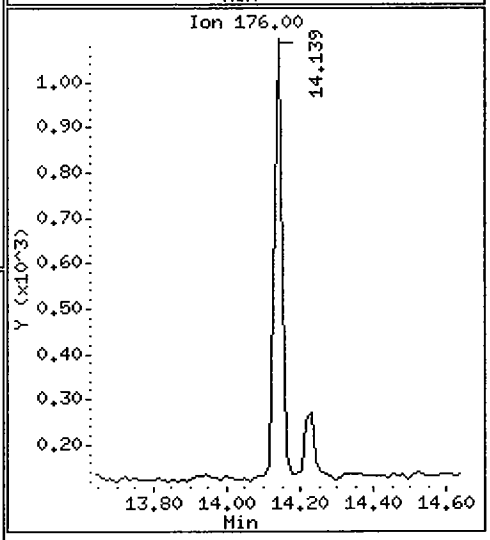












Data File: /chem/5972hp66.i/DS100525C66.b/1005134-04JC66.d

Date : 26-MAY-2010 10:45

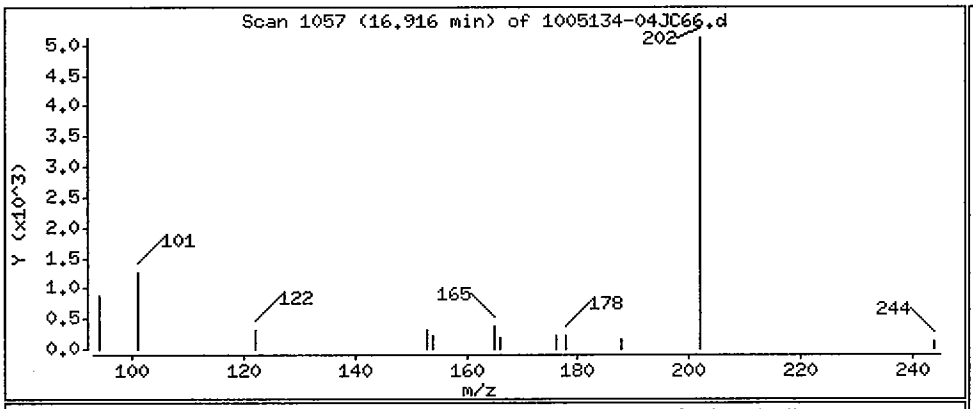
Client ID: SB02D-5-6 Instrument: 5972hp66.i

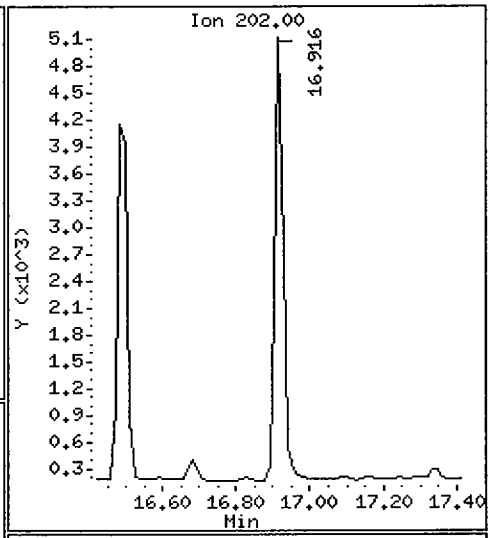
Sample Info: 1005134-04:2743

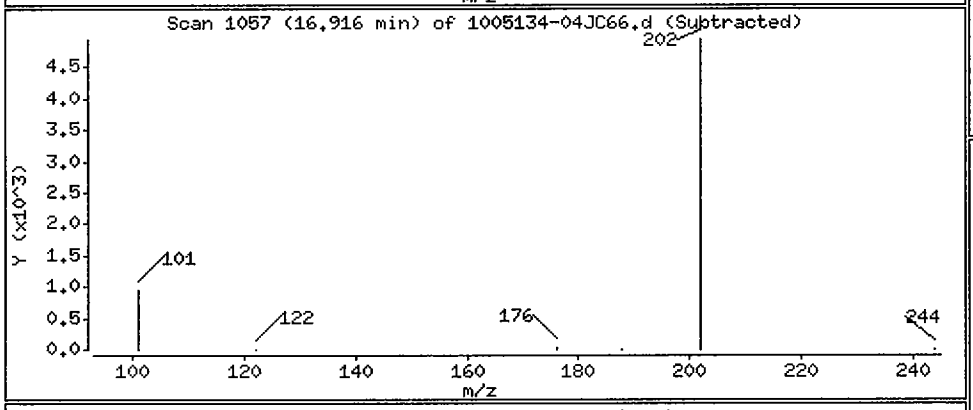
Volume Injected (uL): 2.0 Operator: 2743

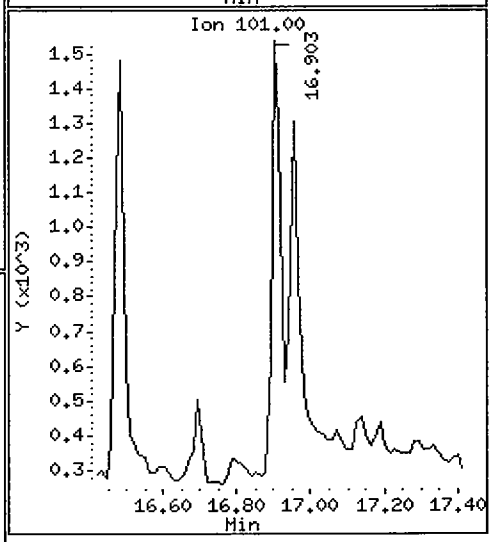
Column phase: Rtx-5MS Column diameter: 0.32

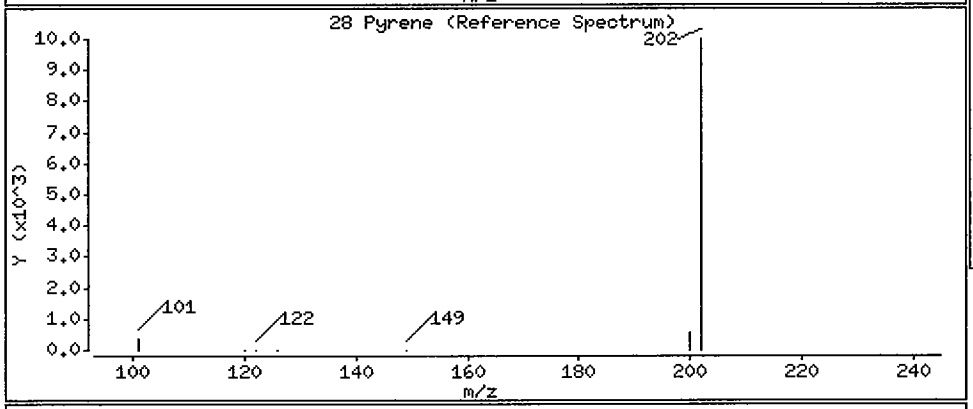
28 Pyrene Concentration: 1.2 ug/Kg

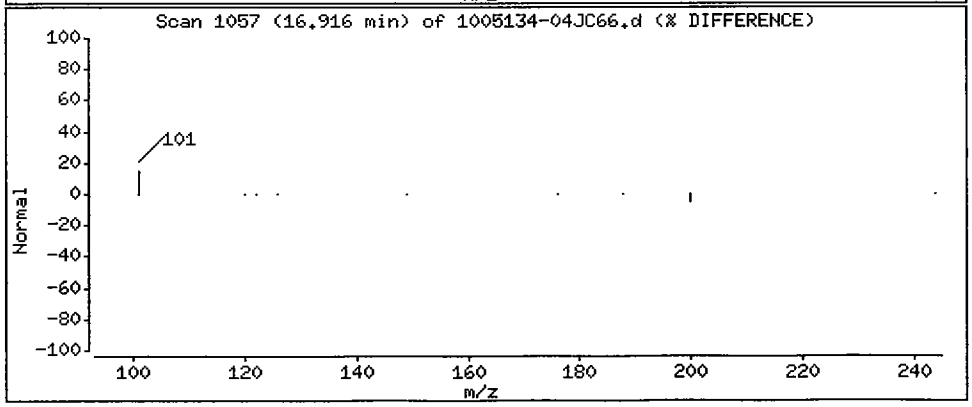












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB05-7-8

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/14/10

Lab Sample ID: 1005134-05
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/14/10
Lab File ID: 1005134-05JC66
Analyst: 2743

% Moisture: 28 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0051920-BLK1

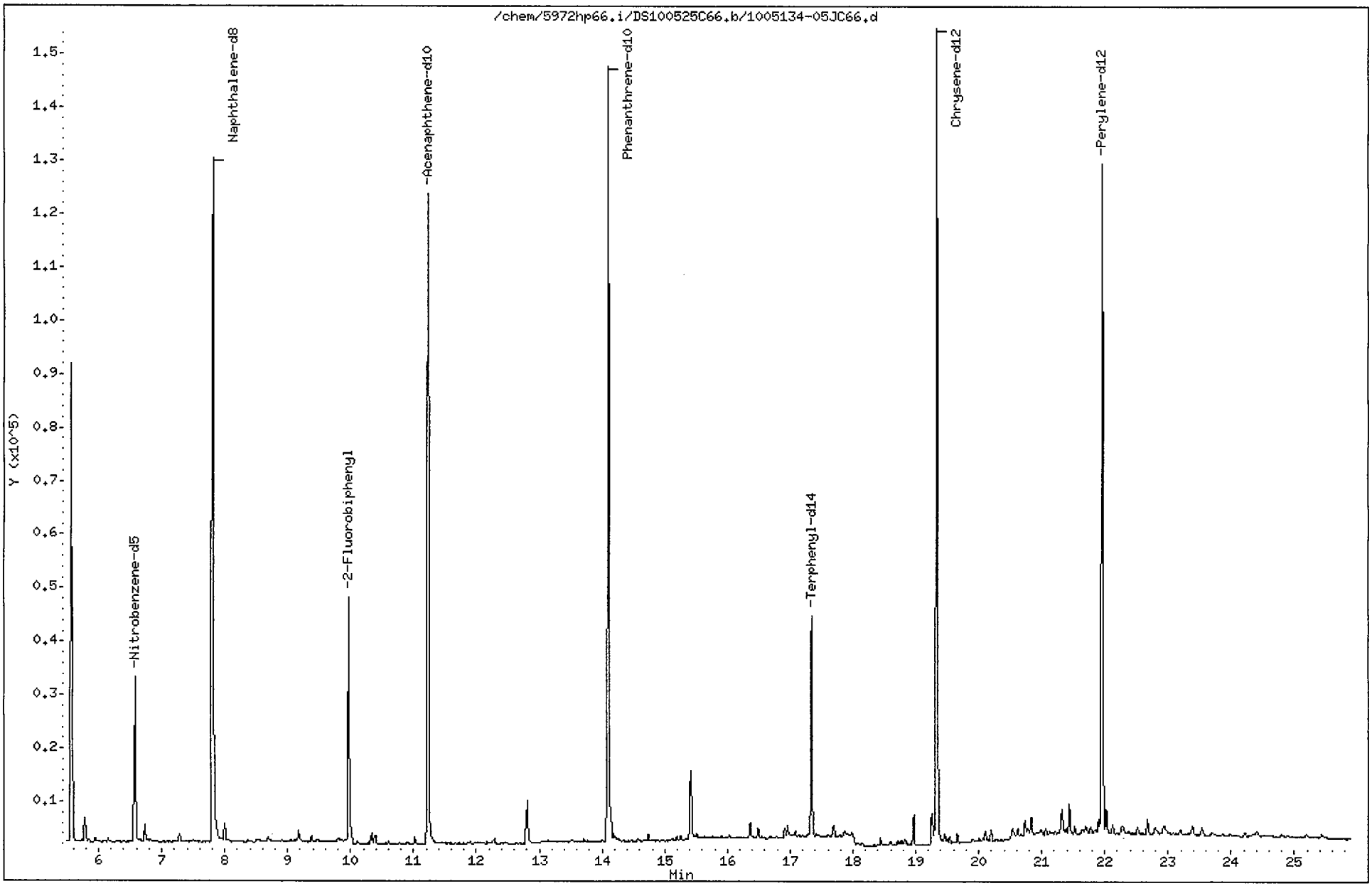
Date Extracted: 05/20/10
Date Analyzed: 05/26/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	1.00	12	ND	U
91-57-6	2-Methylnaphthalene	0.95	12	ND	U
208-96-8	Acenaphthylene	0.74	12	ND	U
83-32-9	Acenaphthene	0.83	12	ND	U
86-73-7	Fluorene	0.63	12	ND	U
85-01-8	Phenanthrene	1.8	12	ND	U
120-12-7	Anthracene	0.60	12	ND	U
206-44-0	Fluoranthene	1.9	12	ND	U
129-00-0	Pyrene	0.79	12	ND	U
56-55-3	Benzo(a)anthracene	0.79	12	ND	U
218-01-9	Chrysene	0.88	12	ND	U
205-99-2	Benzo(b)fluoranthene	0.79	12	ND	U
207-08-9	Benzo(k)fluoranthene	0.60	12	ND	U
50-32-8	Benzo(a)pyrene	0.53	12	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.51	12	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.46	12	ND	U
191-24-2	Benzo(g,h,i)perylene	0.53	12	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp66.i/DS100525C66.b/1005134-05JC66.d
Date : 26-MAY-2010 11:19
Client ID: SB05-7-8
Sample Info: 1005134-05:2743
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: 2743
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100525C66.b/1005134-05JC66.d
Report Date: 01-Jun-2010 18:09

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100525C66.b/1005134-05JC66.d
Lab Smp Id: 1005134-05 Client Smp ID: SB05-7-8
Inj Date : 26-MAY-2010 11:19
Operator : 2743 Inst ID: 5972hp66.i
Smp Info : 1005134-05:2743
Misc Info : SB05-7-8
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100525C66.b/SIM_8270Cv2DOD.m
Meth Date : 01-Jun-2010 18:08 byrd Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	28.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
* 1	1,4-Dichlorobenzene-d4	152	5.573	5.560	(1.000)	54384	2.00000		(a)
* 2	Naphthalene-d8	136	7.815	7.802	(1.000)	194813	2.00000		(a)
* 3	Acenaphthene-d10	164	11.231	11.231	(1.000)	89104	2.00000		(a)
* 4	Phenanthrene-d10	188	14.101	14.101	(1.000)	195451	2.00000		(a)
* 5	Chrysene-d12	240	19.335	19.336	(1.000)	208993	2.00000		(a)
* 6	Perylene-d12	264	21.961	21.961	(1.000)	165009	2.00000		(a)
$ 9	Nitrobenzene-d5	82	6.577	6.563	(0.842)	32443	0.74840	17	
$ 10	2-Fluorobiphenyl	172	9.966	9.966	(0.887)	66048	0.71033	16	
$ 12	Terphenyl-d14	244	17.347	17.347	(0.897)	56129	0.73916	17	
13	Naphthalene	128	Compound Not Detected.						
15	2-Methylnaphthalene	141	Compound Not Detected.						
17	Acenaphthylene	152	Compound Not Detected.						
18	Acenaphthene	154	Compound Not Detected.						

66/10

Data File: /chem/5972hp66.i/DS100525C66.b/1005134-05JC66.d
Report Date: 01-Jun-2010 18:09

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB12-2-3

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/19/10

Lab Sample ID: 1005134-16
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005134-16B70
Analyst: TD

% Moisture: 11 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK2

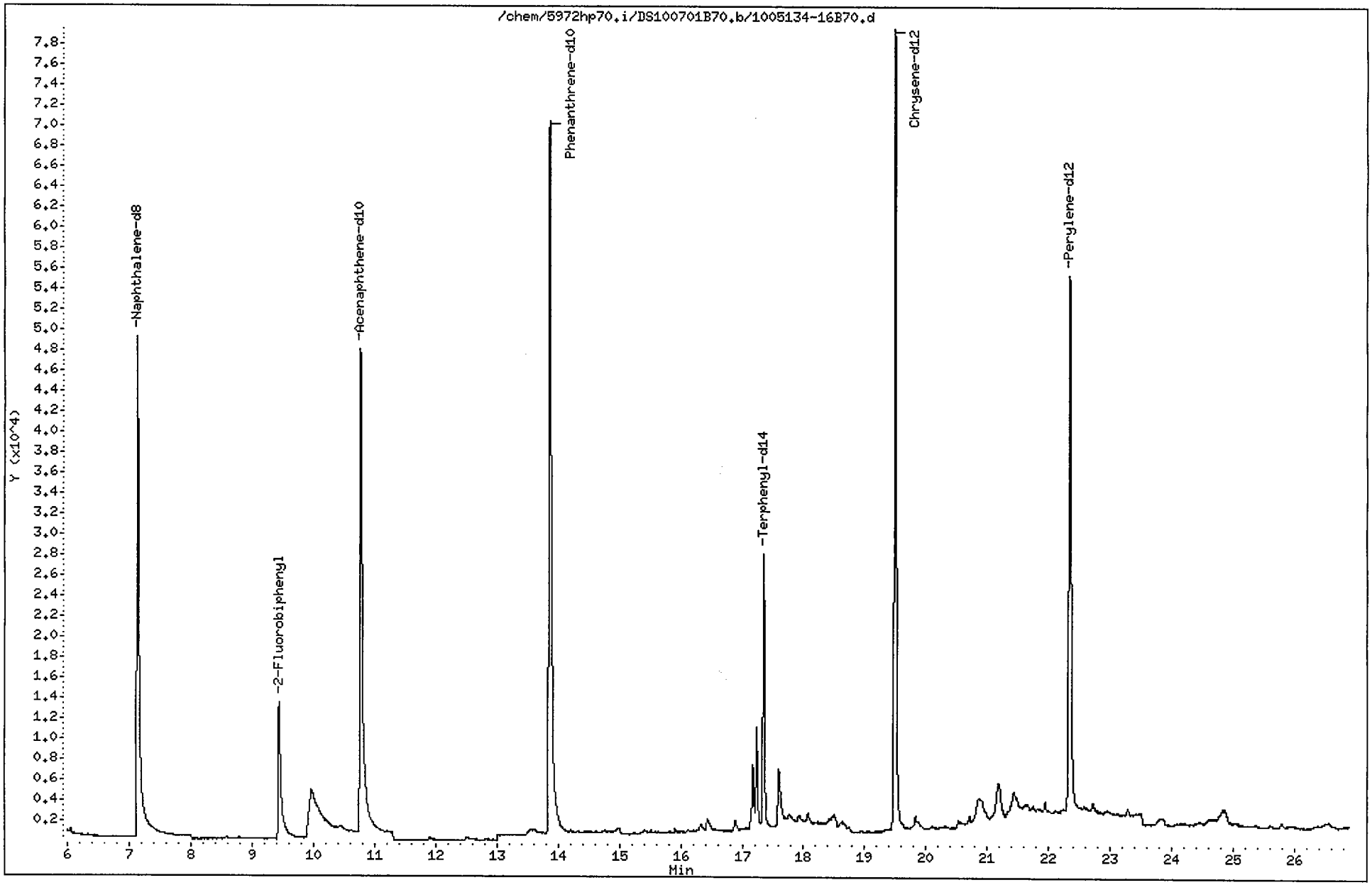
Date Extracted: 05/25/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.81	9.3	ND	U
91-57-6	2-Methylnaphthalene	0.77	9.3	ND	U
208-96-8	Acenaphthylene	0.60	9.3	ND	U
83-32-9	Acenaphthene	0.67	9.3	ND	U
86-73-7	Fluorene	0.51	9.3	ND	U
85-01-8	Phenanthrene	1.5	9.3	ND	U
120-12-7	Anthracene	0.49	9.3	ND	U
206-44-0	Fluoranthene	1.5	9.3	ND	U
129-00-0	Pyrene	0.64	9.3	ND	U
56-55-3	Benzo(a)anthracene	0.64	9.3	ND	U
218-01-9	Chrysene	0.71	9.3	ND	U
205-99-2	Benzo(b)fluoranthene	0.64	9.3	ND	U
207-08-9	Benzo(k)fluoranthene	0.49	9.3	ND	U
50-32-8	Benzo(a)pyrene	0.43	9.3	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.41	9.3	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.37	9.3	ND	U
191-24-2	Benzo(g,h,i)perylene	0.43	9.3	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp70.i/DS100701B70.b/1005134-16B70.d
Date : 02-JUL-2010 02:35
Client ID: SB12-2-3
Sample Info: 1005134-16:TD
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: TD
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701B70.b/1005134-16B70.d
Report Date: 06-Jul-2010 16:23

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701B70.b/1005134-16B70.d
Lab Smp Id: 1005134-16 Client Smp ID: SB12-2-3
Inj Date : 02-JUL-2010 02:35
Operator : TD Inst ID: 5972hp70.i
Smp Info : 1005134-16:TD
Misc Info : SB12-2-3
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701B70.b/SIM_8270Cv3DOD.m
Meth Date : 06-Jul-2010 15:50 mead Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	11.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
* 1 1,4-Dichlorobenzene-d4	152	4.837	4.848	(1.000)	31412	2.00000		(a)
* 2 Naphthalene-d8	136	7.145	7.162	(1.000)	117437	2.00000		(a)
* 3 Acenaphthene-d10	164	10.769	10.784	(1.000)	75259	2.00000		(a)
* 4 Phenanthrene-d10	188	13.864	13.872	(1.000)	153697	2.00000		(a)
* 5 Chrysene-d12	240	19.493	19.499	(1.000)	132665	2.00000		(a)
* 6 Perylene-d12	264	22.336	22.344	(1.000)	114250	2.00000		(a)
$ 9 Nitrobenzene-d5	82	5.869	5.880	(0.821)	25776	0.67826	13	
$ 10 2-Fluorobiphenyl	172	9.441	9.460	(0.877)	33708	0.64989	12	
$ 12 Terphenyl-d14	244	17.350	17.362	(0.890)	38340	0.81189	15	
13 Naphthalene	128	Compound Not Detected.						
15 2-Methylnaphthalene	141	Compound Not Detected.						
17 Acenaphthylene	152	Compound Not Detected.						
18 Acenaphthene	154	Compound Not Detected.						

pm 7/6/10

Data File: /chem/5972hp70.i/DS100701B70.b/1005134-16B70.d
Report Date: 06-Jul-2010 16:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB12-2-3RE

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/19/10

Lab Sample ID: 1005134-16RE1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005134-16RB70
Analyst: TD

% Moisture: 11 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

Date Extracted: 06/02/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

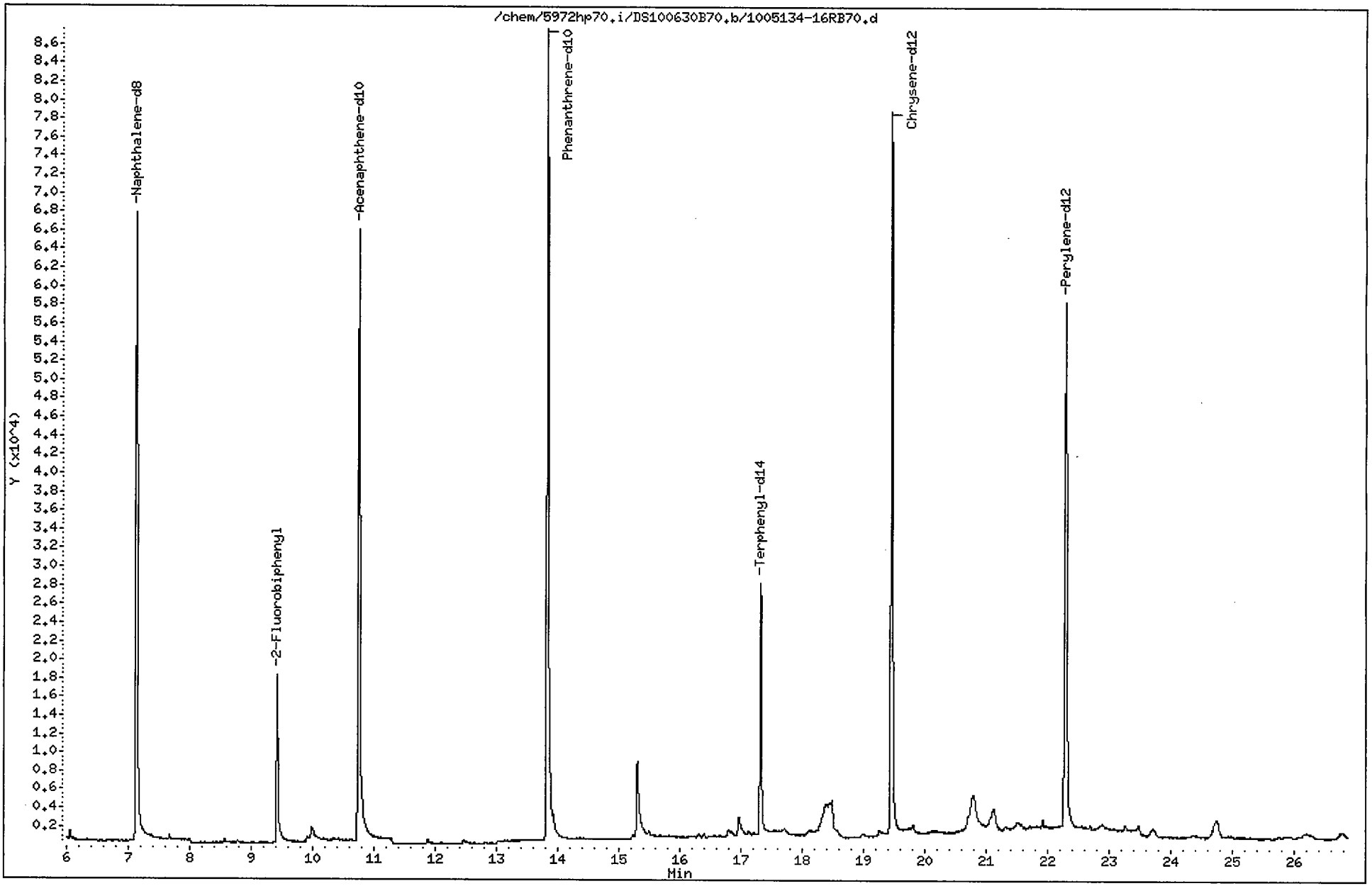
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.81	9.3	ND	U
91-57-6	2-Methylnaphthalene	0.77	9.3	ND	U
208-96-8	Acenaphthylene	0.60	9.3	ND	U
83-32-9	Acenaphthene	0.67	9.3	ND	U
86-73-7	Fluorene	0.51	9.3	ND	U
85-01-8	Phenanthrene	1.5	9.3	ND	U
120-12-7	Anthracene	0.49	9.3	ND	U
206-44-0	Fluoranthene	1.5	9.3	ND	U
129-00-0	Pyrene	0.64	9.3	ND	U
56-55-3	Benzo(a)anthracene	0.64	9.3	ND	U
218-01-9	Chrysene	0.71	9.3	ND	U
205-99-2	Benzo(b)fluoranthene	0.64	9.3	ND	U
207-08-9	Benzo(k)fluoranthene	0.49	9.3	ND	U
50-32-8	Benzo(a)pyrene	0.43	9.3	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.41	9.3	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.37	9.3	ND	U
191-24-2	Benzo(g,h,i)perylene	0.43	9.3	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100630B70.b/1005134-16RB70.d
Date : 01-JUL-2010 04:59
Client ID: SB12-2-3RE
Sample Info: 1005134-16:TD
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: TD
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630B70.b/1005134-16RB70.d
Report Date: 02-Jul-2010 12:16

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630B70.b/1005134-16RB70.d
Lab Smp Id: 1005134-16 Client Smp ID: SB12-2-3RE
Inj Date : 01-JUL-2010 04:59
Operator : TD Inst ID: 5972hp70.i
Smp Info : 1005134-16:TD
Misc Info : SB12-2-3RE
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630B70.b/SIM_8270Cv3DOD.m
Meth Date : 02-Jul-2010 12:02 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	11.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
* 1 1,4-Dichlorobenzene-d4	152	4.836	4.823	(1.000)	31029	2.00000		(a)
* 2 Naphthalene-d8	136	7.130	7.130	(1.000)	110228	2.00000		(a)
* 3 Acenaphthene-d10	164	10.757	10.757	(1.000)	70226	2.00000		(a)
* 4 Phenanthrene-d10	188	13.832	13.831	(1.000)	140232	2.00000		(a)
* 5 Chrysene-d12	240	19.459	19.458	(1.000)	124086	2.00000		(a)
* 6 Perylene-d12	264	22.296	22.295	(1.000)	117135	2.00000		(a)
$ 9 Nitrobenzene-d5	82	5.860	5.855	(0.822)	19555	0.54822	10	
$ 10 2-Fluorobiphenyl	172	9.424	9.428	(0.876)	26385	0.54516	10	
$ 12 Terphenyl-d14	244	17.327	17.331	(0.890)	36769	0.83246	16	
13 Naphthalene	128	Compound Not Detected.						
15 2-Methylnaphthalene	141	Compound Not Detected.						
17 Acenaphthylene	152	Compound Not Detected.						
18 Acenaphthene	154	Compound Not Detected.						

or7/d/10

Data File: /chem/5972hp70.i/DS100630B70.b/1005134-16RB70.d
Report Date: 02-Jul-2010 12:16

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB31-5-6

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/17/10

Lab Sample ID: 1005134-08
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005134-08A66
Analyst: 2650

% Moisture: 17 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK1

Date Extracted: 05/25/10
Date Analyzed: 06/01/10
Dilution Factor: 1.0

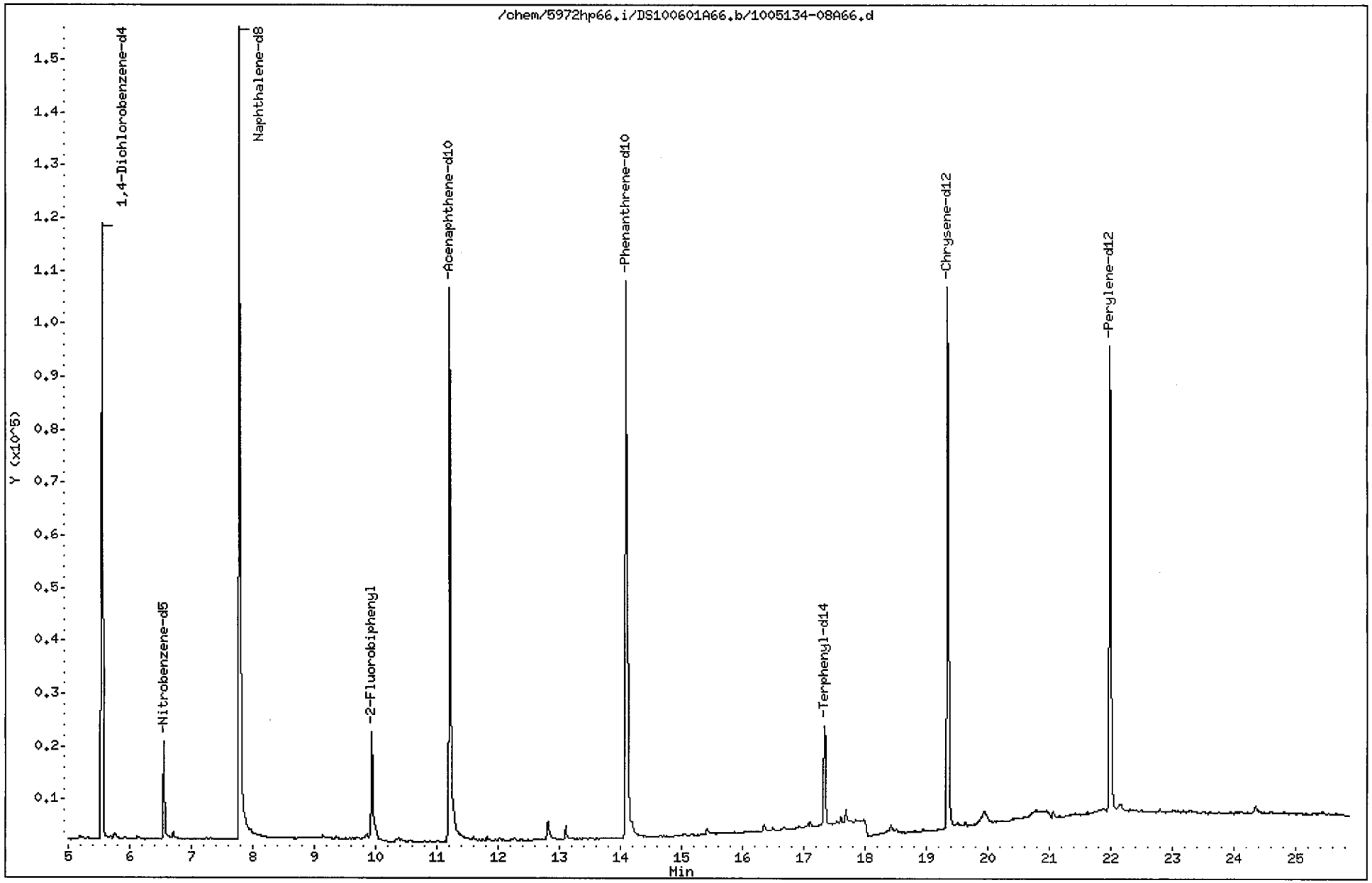
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.86	10	ND	U
91-57-6	2-Methylnaphthalene	0.82	10	ND	U
208-96-8	Acenaphthylene	0.64	10	ND	U
83-32-9	Acenaphthene	0.72	10	ND	U
86-73-7	Fluorene	0.54	10	ND	U
85-01-8	Phenanthrene	1.6	10	ND	U
120-12-7	Anthracene	0.52	10	ND	U
206-44-0	Fluoranthene	1.6	10	ND	U
129-00-0	Pyrene	0.68	10	ND	U
56-55-3	Benzo(a)anthracene	0.68	10	ND	U
218-01-9	Chrysene	0.76	10	ND	U
205-99-2	Benzo(b)fluoranthene	0.68	10	ND	U
207-08-9	Benzo(k)fluoranthene	0.52	10	ND	U
50-32-8	Benzo(a)pyrene	0.46	10	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.44	10	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.40	10	ND	U
191-24-2	Benzo(g,h,i)perylene	0.46	10	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp66.i/DS100601A66.b/1005134-08A66.d
Date : 01-JUN-2010 23:07
Client ID: SB31-5-6
Sample Info: 1005134-08;2650
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: 2650
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100601A66.b/1005134-08A66.d
Report Date: 01-Jul-2010 15:49

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100601A66.b/1005134-08A66.d
Lab Smp Id: 1005134-08 Client Smp ID: SB31-5-6
Inj Date : 01-JUN-2010 23:07
Operator : 2650 Inst ID: 5972hp66.i
Smp Info : 1005134-08:2650
Misc Info : SB31-5-6
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100601A66.b/SIM_8270Cv2DOD.m
Meth Date : 01-Jul-2010 15:47 byrd Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	17.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
*	1 1,4-Dichlorobenzene-d4	152	5.545	5.531	(1.000)	72934	2.00000		(a)
*	2 Naphthalene-d8	136	7.787	7.773	(1.000)	220504	2.00000		(a)
*	3 Acenaphthene-d10	164	11.204	11.192	(1.000)	114695	2.00000		(a)
*	4 Phenanthrene-d10	188	14.100	14.074	(1.000)	202676	2.00000		(a)
*	5 Chrysene-d12	240	19.345	19.328	(1.000)	163852	2.00000		(a)
*	6 Perylene-d12	264	21.982	21.960	(1.000)	142423	2.00000		(a)
$	9 Nitrobenzene-d5	82	6.549	6.534	(0.841)	22886	0.46643	9.4	
$	10 2-Fluorobiphenyl	172	9.938	9.923	(0.887)	32440	0.27104	5.4	(R)
$	12 Terphenyl-d14	244	17.333	17.320	(0.896)	28287	0.47514	9.5	
	13 Naphthalene	128	Compound Not Detected.						
	15 2-Methylnaphthalene	141	Compound Not Detected.						
	17 Acenaphthylene	152	Compound Not Detected.						
	18 Acenaphthene	154	Compound Not Detected.						

Data File: /chem/5972hp66.i/DS100601A66.b/1005134-08A66.d
Report Date: 01-Jul-2010 15:49

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB31-5-6RE

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/17/10

Lab Sample ID: 1005134-08RE1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005134-08RA70
Analyst: MEW

% Moisture: 17 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

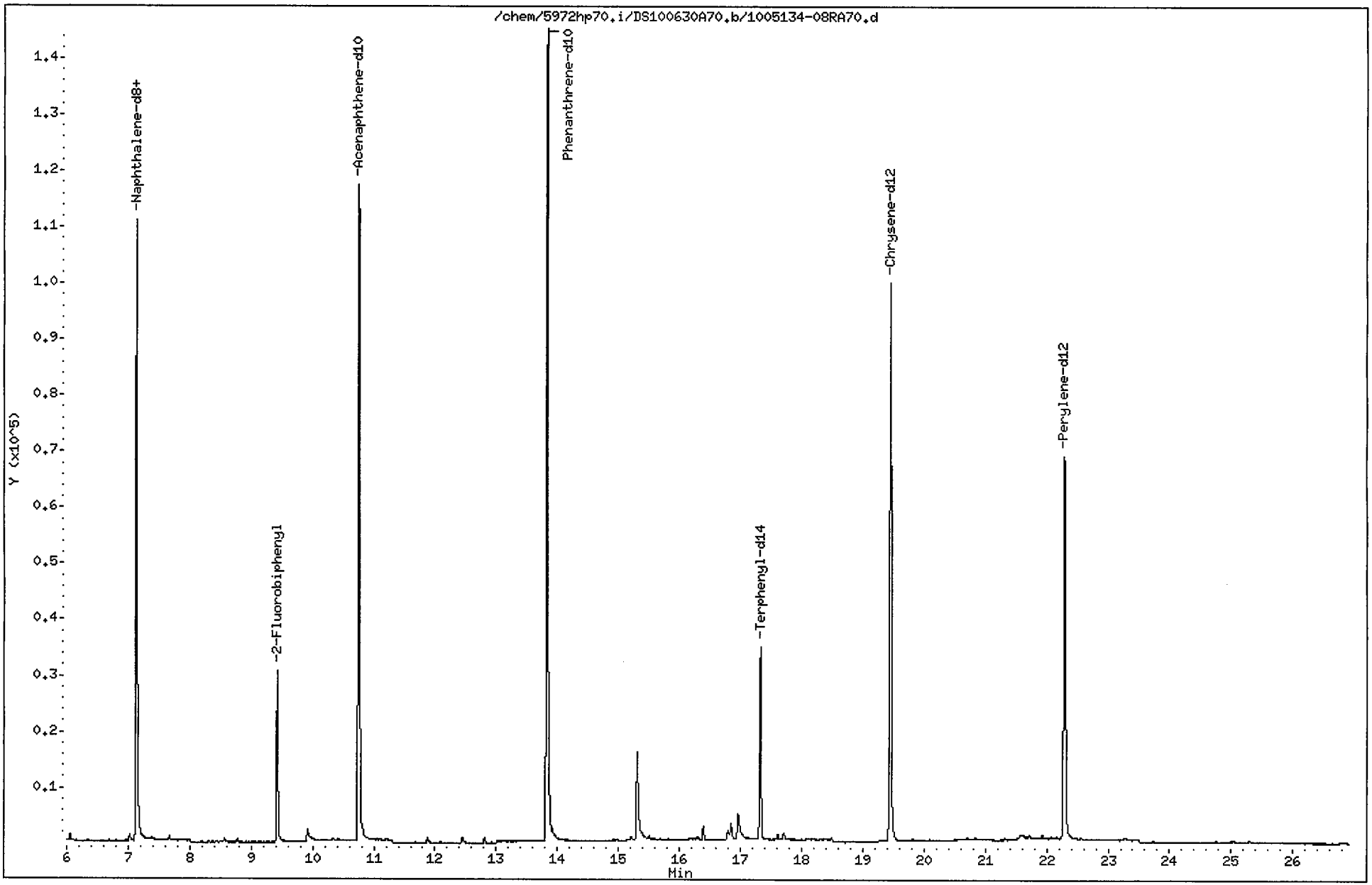
Date Extracted: 06/02/10
Date Analyzed: 06/30/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.86	10	1.3	JB
91-57-6	2-Methylnaphthalene	0.82	10	ND	U
208-96-8	Acenaphthylene	0.64	10	ND	U
83-32-9	Acenaphthene	0.72	10	ND	U
86-73-7	Fluorene	0.54	10	ND	U
85-01-8	Phenanthrene	1.6	10	ND	U
120-12-7	Anthracene	0.52	10	ND	U
206-44-0	Fluoranthene	1.6	10	ND	U
129-00-0	Pyrene	0.68	10	ND	U
56-55-3	Benzo(a)anthracene	0.68	10	ND	U
218-01-9	Chrysene	0.76	10	ND	U
205-99-2	Benzo(b)fluoranthene	0.68	10	ND	U
207-08-9	Benzo(k)fluoranthene	0.52	10	ND	U
50-32-8	Benzo(a)pyrene	0.46	10	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.44	10	4.6	J
53-70-3	Dibenzo(a,h)anthracene	0.40	10	ND	U
191-24-2	Benzo(g,h,i)perylene	0.46	10	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp70.i/DS100630A70.b/1005134-08RA70.d
Date : 30-JUN-2010 22:01
Client ID: SB31-5-6RE
Sample Info: 1005134-08RE1:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630A70.b/1005134-08RA70.d
Report Date: 01-Jul-2010 13:46

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630A70.b/1005134-08RA70.d
Lab Smp Id: 1005134-08RE1 Client Smp ID: SB31-5-6RE
Inj Date : 30-JUN-2010 22:01
Operator : MEW Inst ID: 5972hp70.i
Smp Info : 1005134-08RE1:MEW
Misc Info : SB31-5-6RE
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Meth Date : 01-Jul-2010 13:46 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	17.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)	
* 1 1,4-Dichlorobenzene-d4	152	4.840	4.822	(1.000)	39872	2.00000		(a)
* 2 Naphthalene-d8	136	7.129	7.129	(1.000)	154816	2.00000		(a)
* 3 Acenaphthene-d10	164	10.750	10.757	(1.000)	97513	2.00000		(a)
* 4 Phenanthrene-d10	188	13.827	13.829	(1.000)	189469	2.00000		(a)
* 5 Chrysene-d12	240	19.449	19.454	(1.000)	136687	2.00000		(a)
* 6 Perylene-d12	264	22.283	22.287	(1.000)	121794	2.00000		(a)
$ 9 Nitrobenzene-d5	82	5.859	5.849	(0.822)	26415	0.52725	11	
$ 10 2-Fluorobiphenyl	172	9.423	9.428	(0.877)	34681	0.51605	10	
$ 12 Terphenyl-d14	244	17.322	17.326	(0.891)	41243	0.84767	17	
13 Naphthalene	128	7.168	7.160	(1.005)	6642	0.06718	1.3	(a)
15 2-Methylnaphthalene	141	Compound Not Detected.						
17 Acenaphthylene	152	Compound Not Detected.						
18 Acenaphthene	154	Compound Not Detected.						

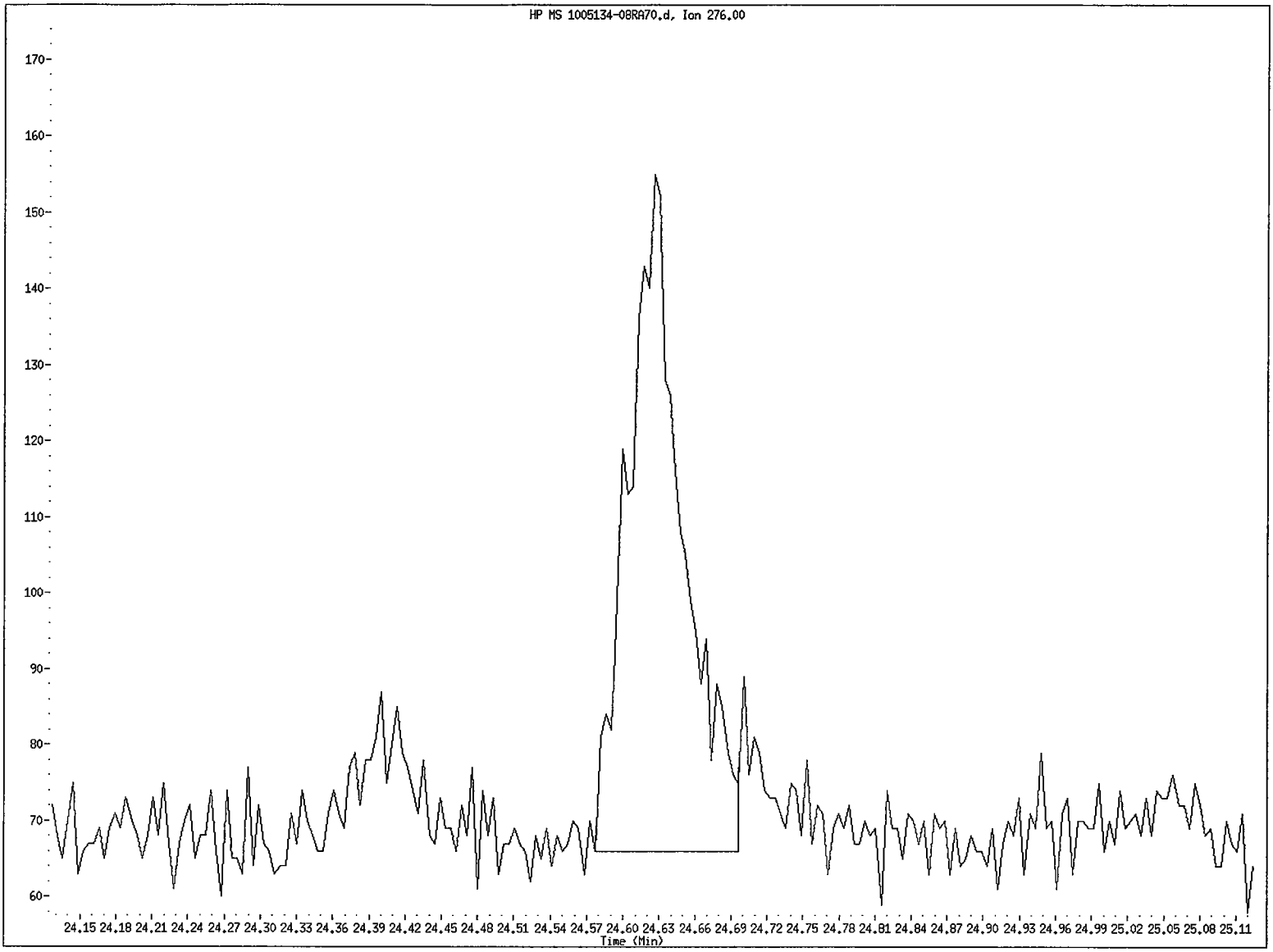
Data File: /chem/5972hp70.i/DS100630A70.b/1005134-08RA70.d
Report Date: 01-Jul-2010 13:46

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	24.625	24.626	(1.105)	284	0.23047	4.6(aM)
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

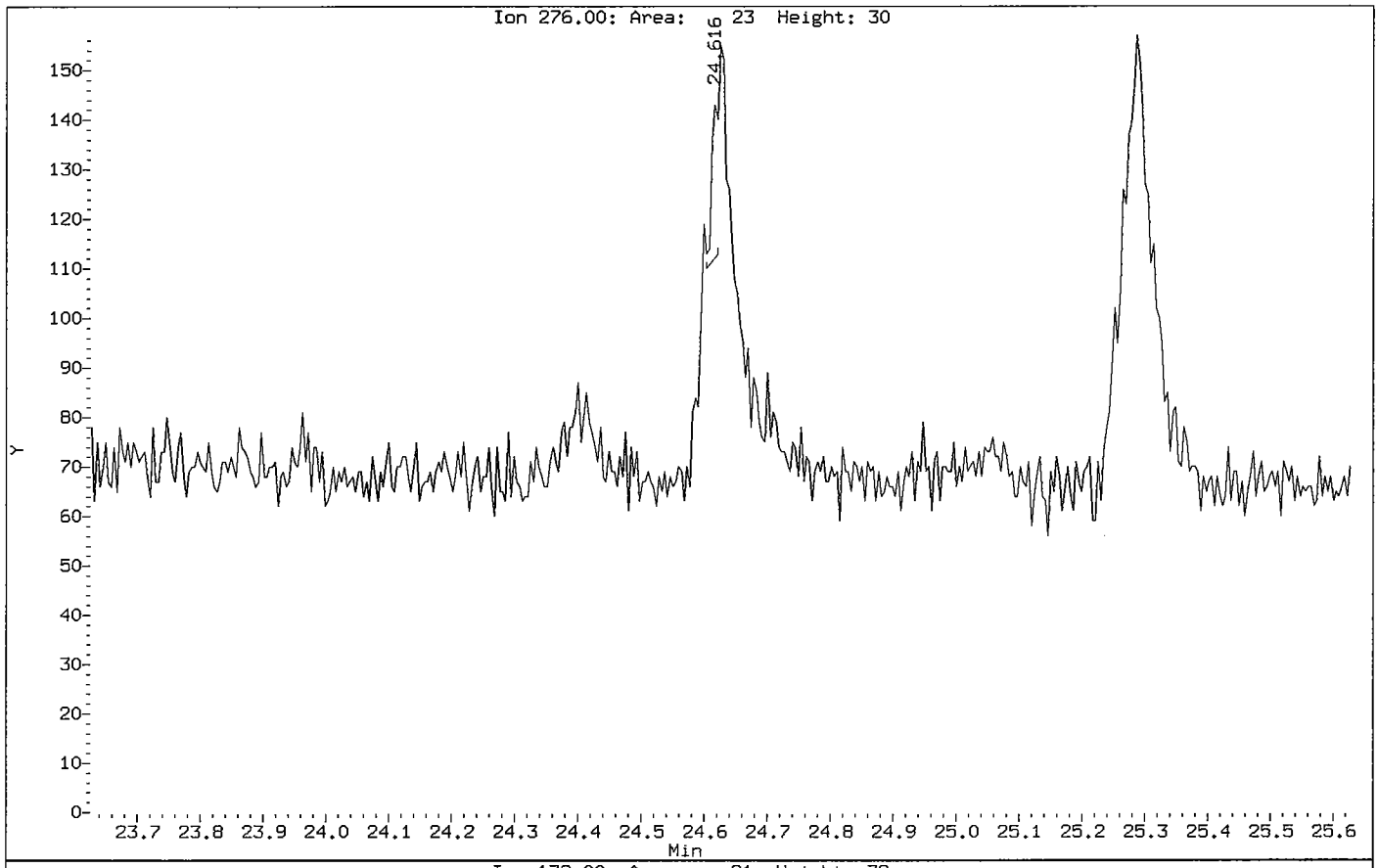
Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 284 Manually integrated

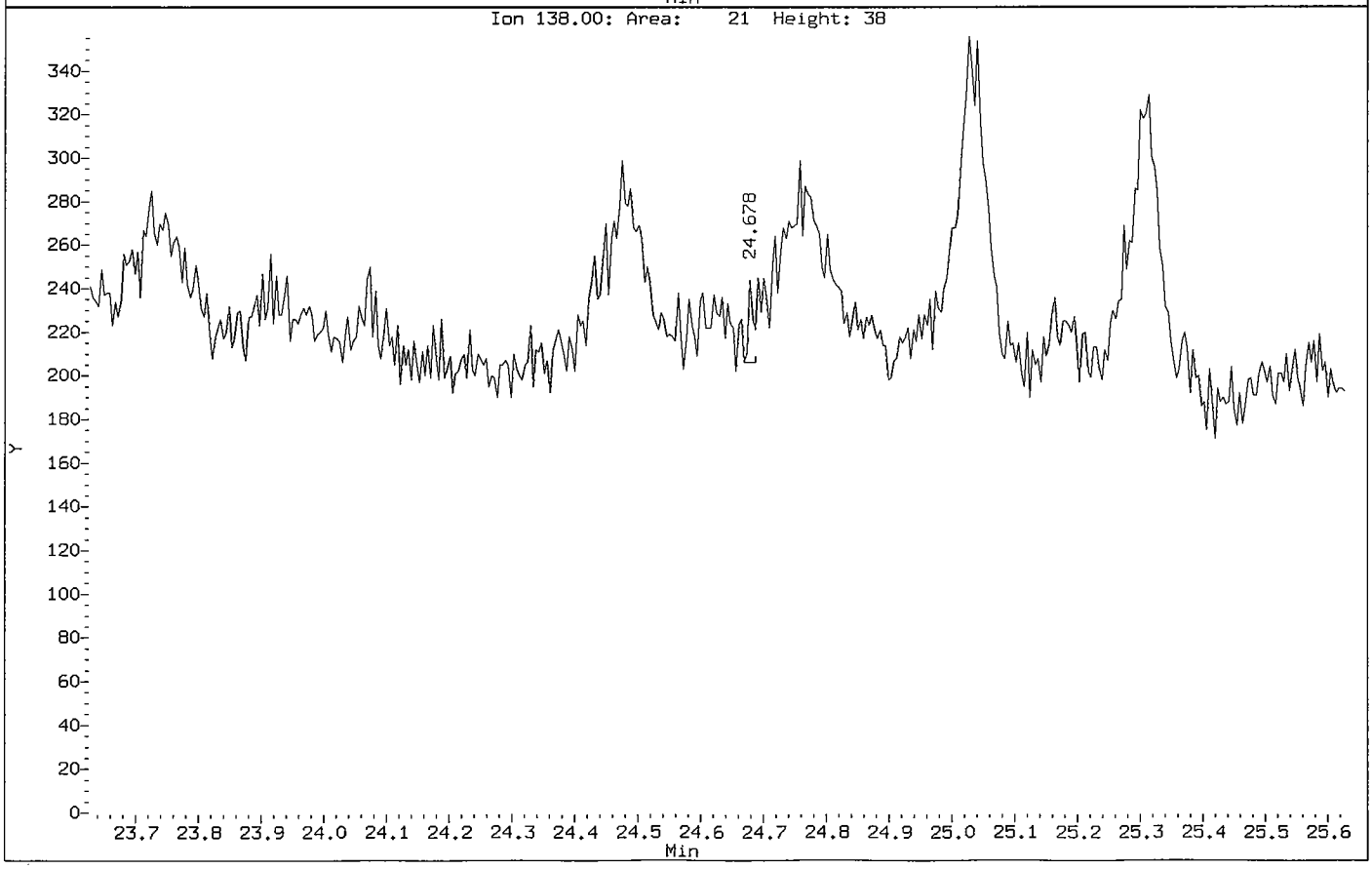


File name: /chem/5972hp70.i/DS100630A70.b/1005134-08RA70.d
Client ID: SB31-5-6RE
Instrument ID: 5972hp70.i
Injection Date and Time: 30-JUN-2010 22:01
Retention Time: 24.63
Operator ID: MEW

Data File: /chem/5972hp70.i/DS100630A70.b/1005134-08RA70.d
Injection Date: 30-JUN-2010 22:01
Instrument: 5972hp70.i
Client Sample ID: SB31-5-6RE

Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





Data File: /chem/5972hp70.i/DS100630A70.b/1005134-08RA70.d

Date : 30-JUN-2010 22:01

Client ID: SB31-5-6RE

Instrument: 5972hp70.i

Sample Info: 1005134-08RE1:MEW

Volume Injected (uL): 2.0

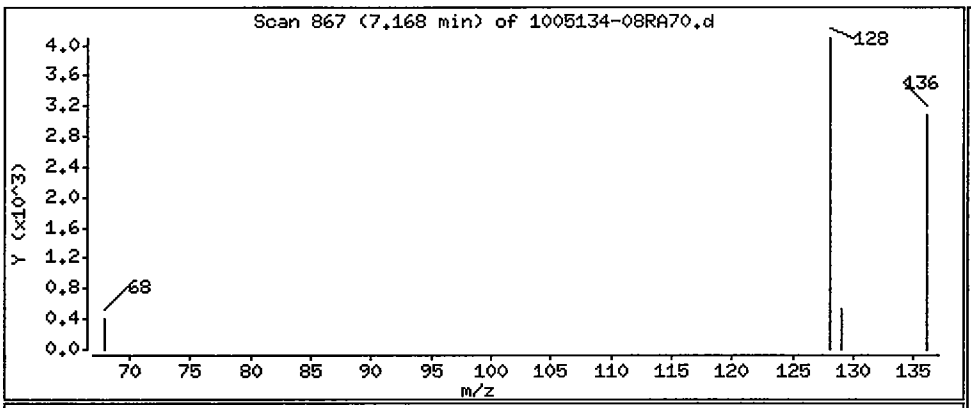
Operator: MEW

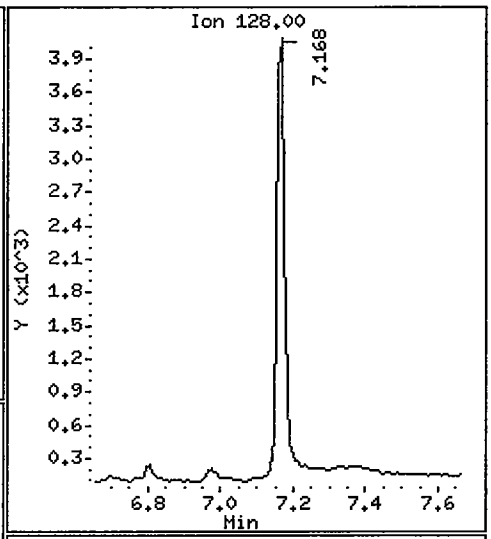
Column phase: Rtx-5MS

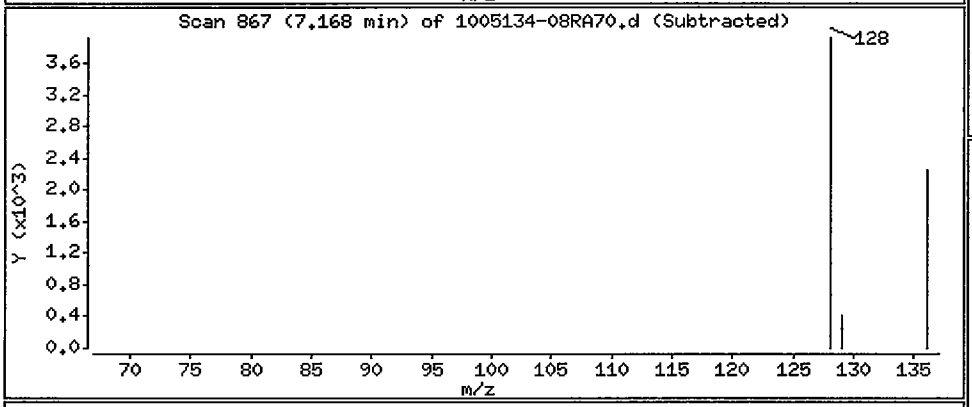
Column diameter: 0.32

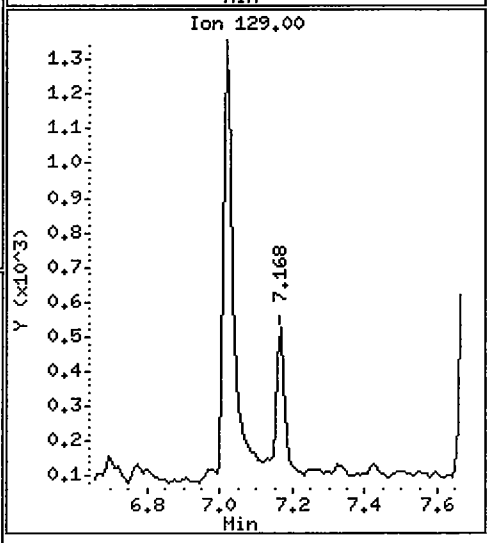
13 Naphthalene

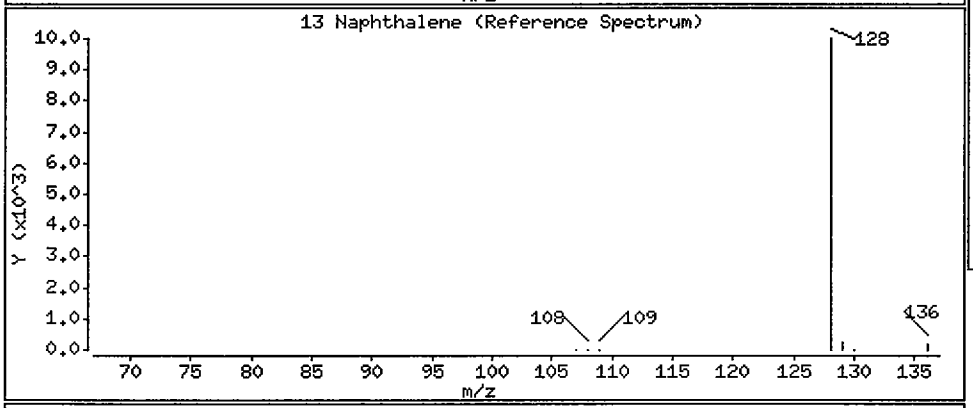
Concentration: 1.3 ug/Kg

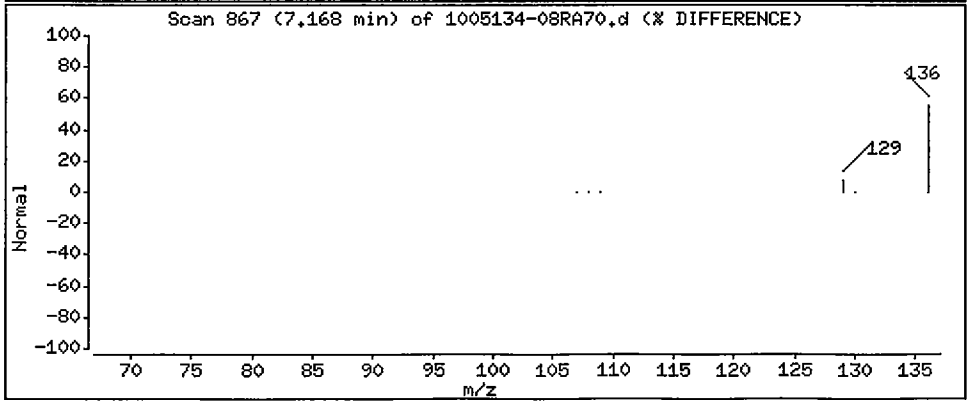












Data File: /chem/5972hp70.i/DS100630A70.b/1005134-08RA70.d

Date : 30-JUN-2010 22:01

Client ID: SB31-5-6RE

Instrument: 5972hp70.i

Sample Info: 1005134-08RE1:MEW

Volume Injected (uL): 2.0

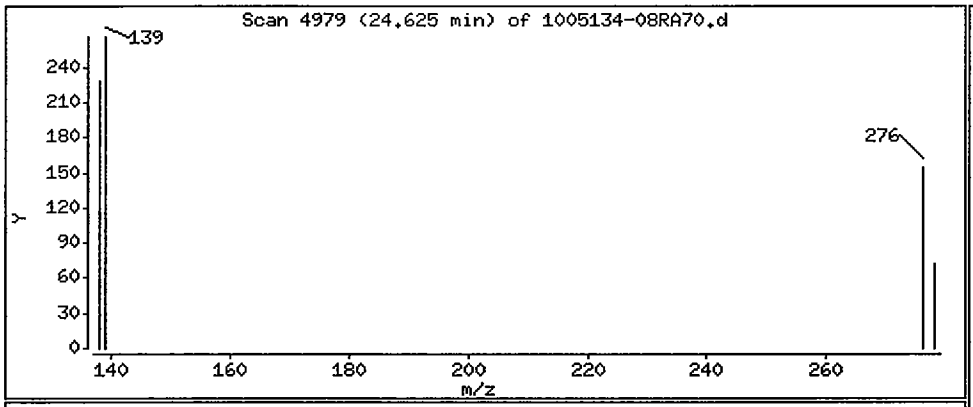
Operator: MEW

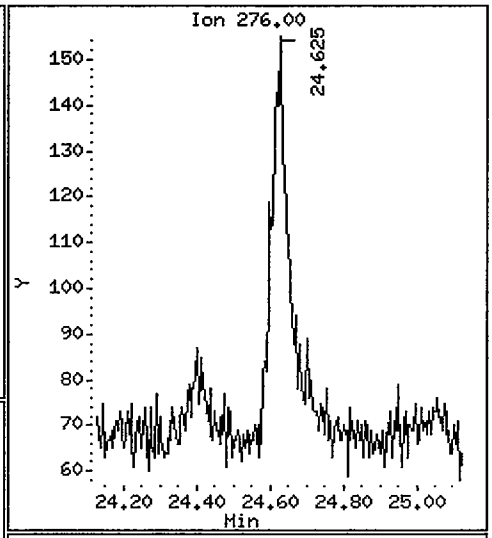
Column phase: Rtx-5MS

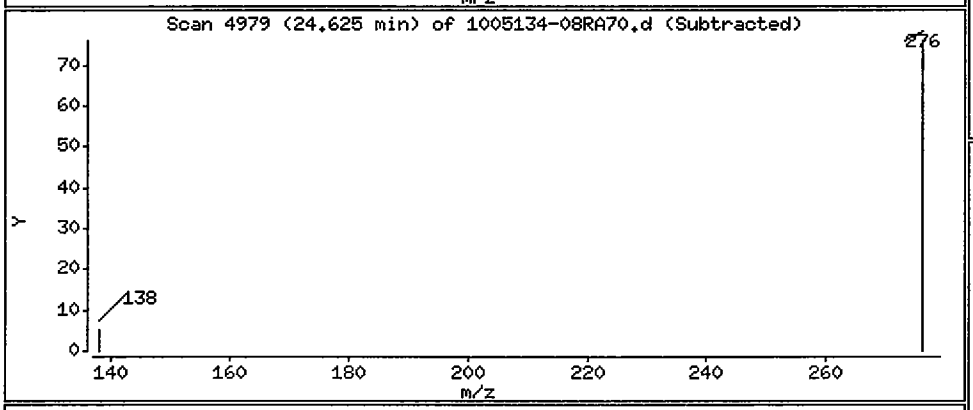
Column diameter: 0.32

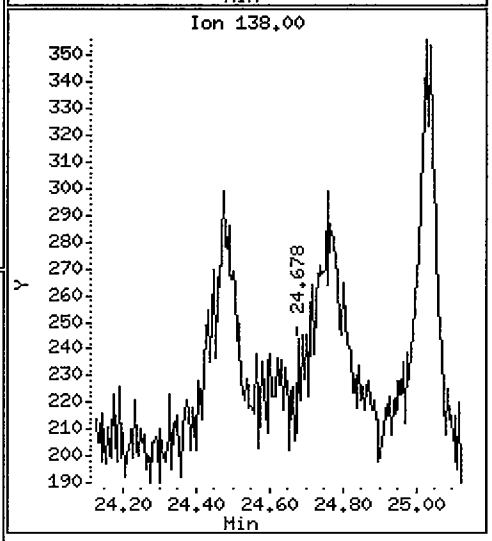
34 Indeno(1,2,3-cd)pyrene

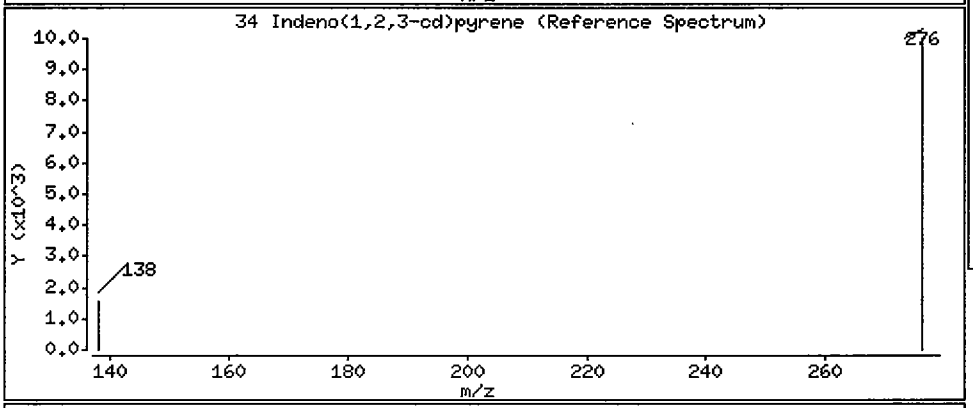
Concentration: 4.6 ug/Kg

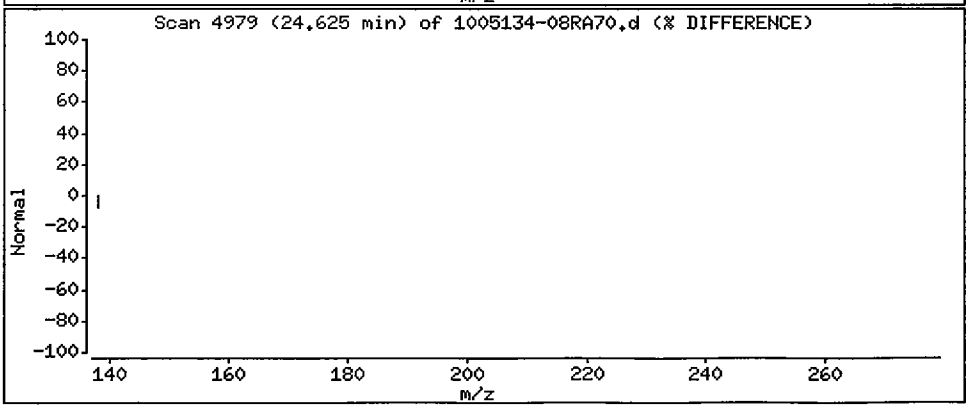












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB32-2.5-3.5

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/18/10

Lab Sample ID: 1005134-12
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005134-12B70
Analyst: TD

% Moisture: 7 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK2

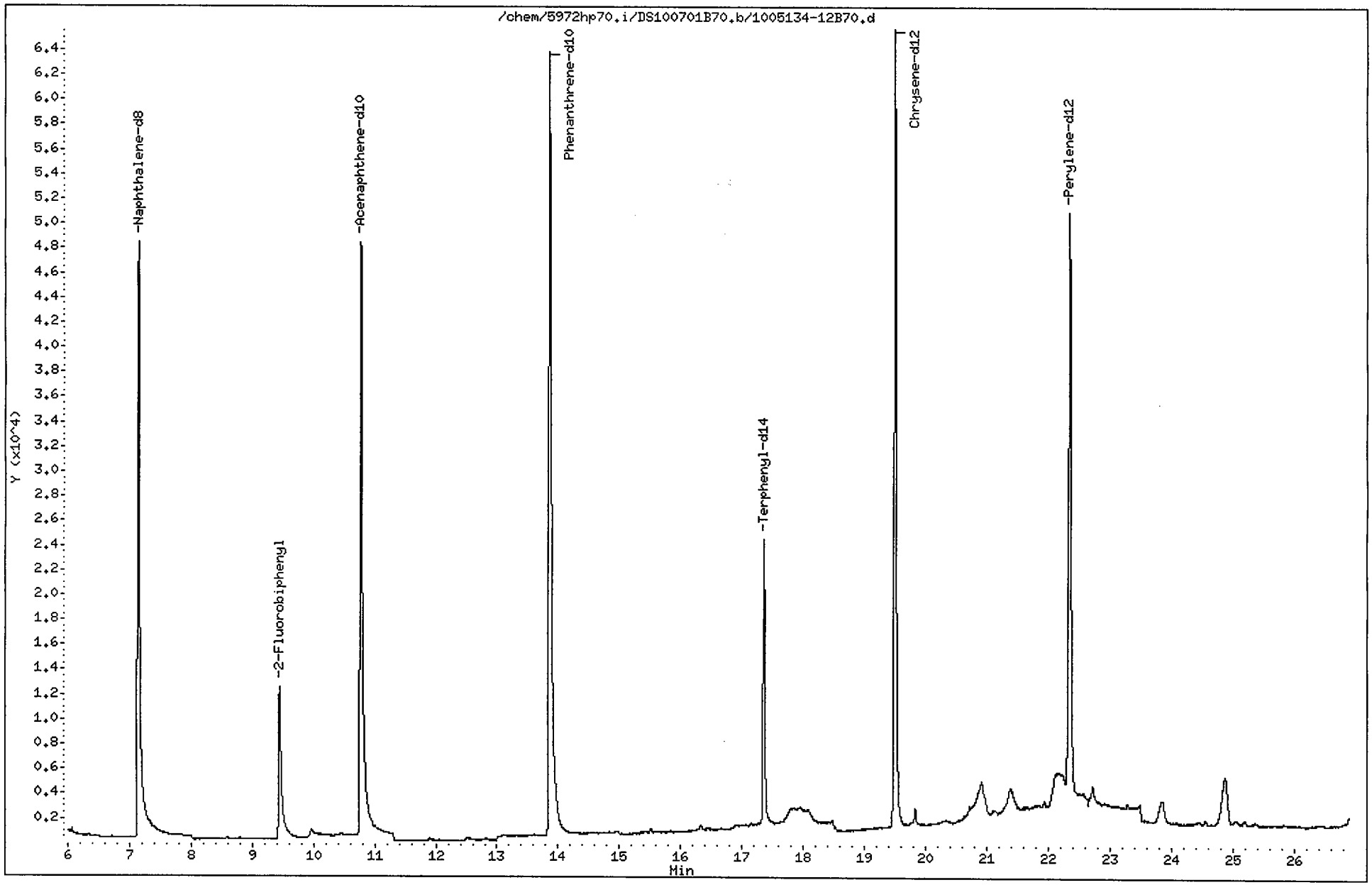
Date Extracted: 05/25/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.77	8.9	ND	U
91-57-6	2-Methylnaphthalene	0.73	8.9	ND	U
208-96-8	Acenaphthylene	0.57	8.9	ND	U
83-32-9	Acenaphthene	0.65	8.9	ND	U
86-73-7	Fluorene	0.48	8.9	ND	U
85-01-8	Phenanthrene	1.4	8.9	ND	U
120-12-7	Anthracene	0.47	8.9	ND	U
206-44-0	Fluoranthene	1.4	8.9	ND	U
129-00-0	Pyrene	0.61	8.9	ND	U
56-55-3	Benzo(a)anthracene	0.61	8.9	ND	U
218-01-9	Chrysene	0.68	8.9	ND	U
205-99-2	Benzo(b)fluoranthene	0.61	8.9	ND	U
207-08-9	Benzo(k)fluoranthene	0.47	8.9	ND	U
50-32-8	Benzo(a)pyrene	0.41	8.9	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.39	8.9	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.36	8.9	ND	U
191-24-2	Benzo(g,h,i)perylene	0.41	8.9	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp70.i/DS100701B70.b/1005134-12B70.d
Date : 02-JUL-2010 00:12
Client ID: SB32-2.5-3.5
Sample Info: 1005134-12:TD
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: TD
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701B70.b/1005134-12B70.d
Report Date: 06-Jul-2010 16:23

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701B70.b/1005134-12B70.d
Lab Smp Id: 1005134-12 Client Smp ID: SB32-2.5-3.5
Inj Date : 02-JUL-2010 00:12
Operator : TD Inst ID: 5972hp70.i
Smp Info : 1005134-12:TD
Misc Info : SB32-2.5-3.5
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701B70.b/SIM_8270Cv3DOD.m
Meth Date : 06-Jul-2010 15:50 mead Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	7.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	4.843	4.848	(1.000)	29311	2.00000	
* 2 Naphthalene-d8	136	7.147	7.162	(1.000)	113501	2.00000	
* 3 Acenaphthene-d10	164	10.775	10.784	(1.000)	71807	2.00000	
* 4 Phenanthrene-d10	188	13.863	13.872	(1.000)	151759	2.00000	
* 5 Chrysene-d12	240	19.492	19.499	(1.000)	116787	2.00000	
* 6 Perylene-d12	264	22.340	22.344	(1.000)	104247	2.00000	
$ 9 Nitrobenzene-d5	82	5.870	5.880	(0.821)	21939	0.59731	11
$ 10 2-Fluorobiphenyl	172	9.441	9.460	(0.876)	29528	0.59667	11
$ 12 Terphenyl-d14	244	17.354	17.362	(0.890)	35720	0.85925	15
13 Naphthalene	128	Compound Not Detected.					
15 2-Methylnaphthalene	141	Compound Not Detected.					
17 Acenaphthylene	152	Compound Not Detected.					
18 Acenaphthene	154	Compound Not Detected.					

pm 7/6/10

Data File: /chem/5972hp70.i/DS100701B70.b/1005134-12B70.d
Report Date: 06-Jul-2010 16:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB32-2.5-3.5RE

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/18/10

Lab Sample ID: 1005134-12RE1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005134-12RB70
Analyst: TD

% Moisture: 7 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

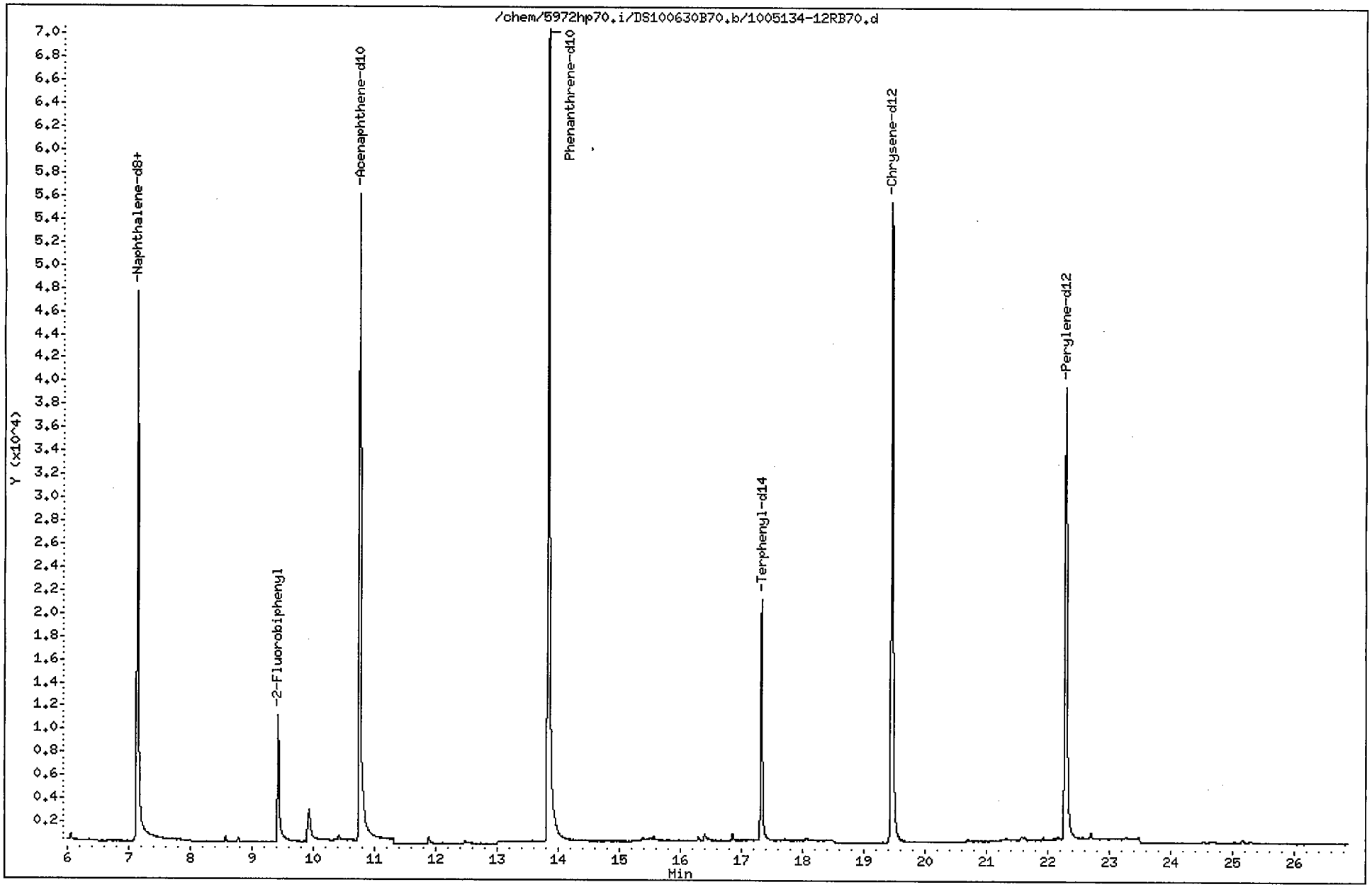
Date Extracted: 06/02/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.77	8.9	0.80	JB
91-57-6	2-Methylnaphthalene	0.73	8.9	ND	U
208-96-8	Acenaphthylene	0.57	8.9	ND	U
83-32-9	Acenaphthene	0.65	8.9	ND	U
86-73-7	Fluorene	0.48	8.9	ND	U
85-01-8	Phenanthrene	1.4	8.9	ND	U
120-12-7	Anthracene	0.47	8.9	ND	U
206-44-0	Fluoranthene	1.4	8.9	ND	U
129-00-0	Pyrene	0.61	8.9	ND	U
56-55-3	Benzo(a)anthracene	0.61	8.9	ND	U
218-01-9	Chrysene	0.68	8.9	ND	U
205-99-2	Benzo(b)fluoranthene	0.61	8.9	ND	U
207-08-9	Benzo(k)fluoranthene	0.47	8.9	ND	U
50-32-8	Benzo(a)pyrene	0.41	8.9	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.39	8.9	4.2	J
53-70-3	Dibenzo(a,h)anthracene	0.36	8.9	ND	U
191-24-2	Benzo(g,h,i)perylene	0.41	8.9	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp70.i/DS100630B70.b/1005134-12RB70.d
Date : 01-JUL-2010 02:37
Client ID: SB32-2.5-3.5RE
Sample Info: 1005134-12:TD
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: TD
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630B70.b/1005134-12RB70.d
Report Date: 02-Jul-2010 12:36

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630B70.b/1005134-12RB70.d
Lab Smp Id: 1005134-12 Client Smp ID: SB32-2.5-3.5RE
Inj Date : 01-JUL-2010 02:37
Operator : TD Inst ID: 5972hp70.i
Smp Info : 1005134-12:TD
Misc Info : SB32-2.5-3.5RE
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630B70.b/SIM_8270Cv3DOD.m
Meth Date : 02-Jul-2010 12:02 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	7.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	4.837	4.823	(1.000)	25037	2.00000	
* 2 Naphthalene-d8	136	7.130	7.130	(1.000)	87619	2.00000	
* 3 Acenaphthene-d10	164	10.757	10.757	(1.000)	59094	2.00000	
* 4 Phenanthrene-d10	188	13.836	13.831	(1.000)	124592	2.00000	
* 5 Chrysene-d12	240	19.457	19.458	(1.000)	94227	2.00000	
* 6 Perylene-d12	264	22.291	22.295	(1.000)	84126	2.00000	
$ 9 Nitrobenzene-d5	82	5.864	5.855	(0.822)	12166	0.42908	7.7
$ 10 2-Fluorobiphenyl	172	9.429	9.428	(0.877)	18418	0.45223	8.1
$ 12 Terphenyl-d14	244	17.327	17.331	(0.891)	30080	0.89682	16
13 Naphthalene	128	7.169	7.161	(1.005)	2510	0.04486	0.80 (aM)
15 2-Methylnaphthalene	141	Compound Not Detected.					
17 Acenaphthylene	152	Compound Not Detected.					
18 Acenaphthene	154	Compound Not Detected.					

2 of 7/2/10

Data File: /chem/5972hp70.i/DS100630B70.b/1005134-12RB70.d
Report Date: 02-Jul-2010 12:36

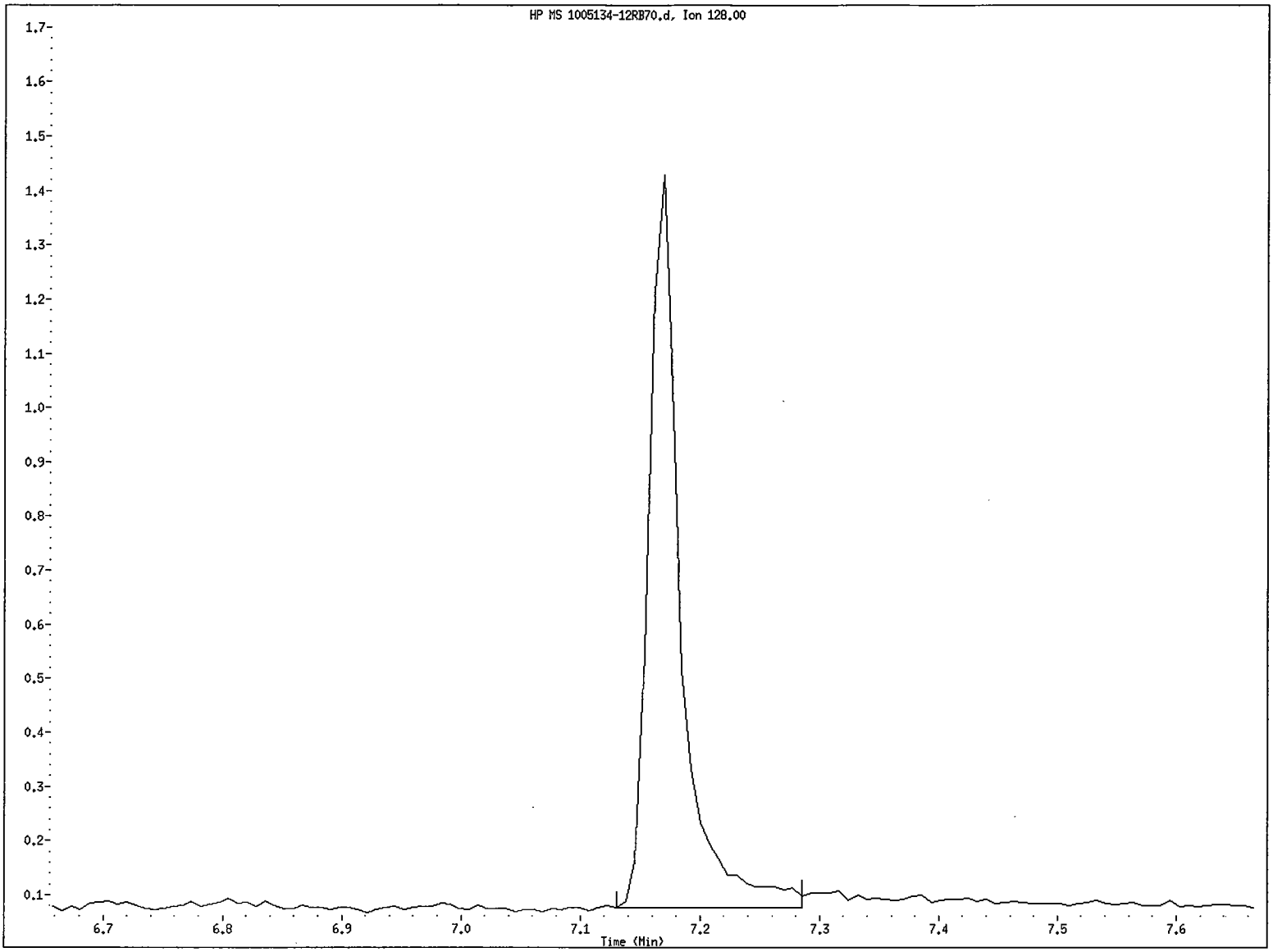
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	24.644	24.635	(1.106)	425	0.23564	4.2(aM)
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

07
7/2/10

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

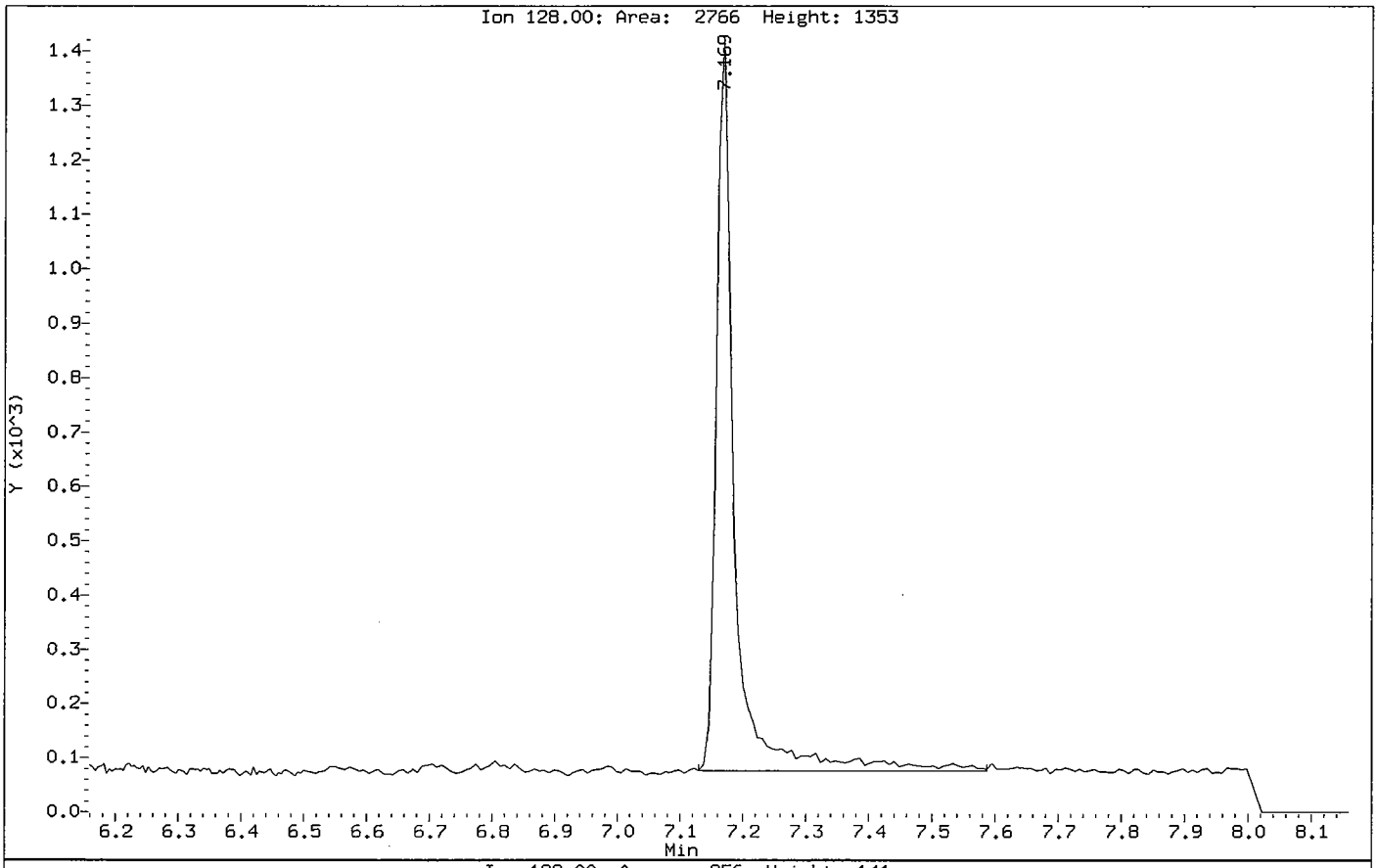
Naphthalene CAS Number 91-20-3 Area = 2510 Manually integrated

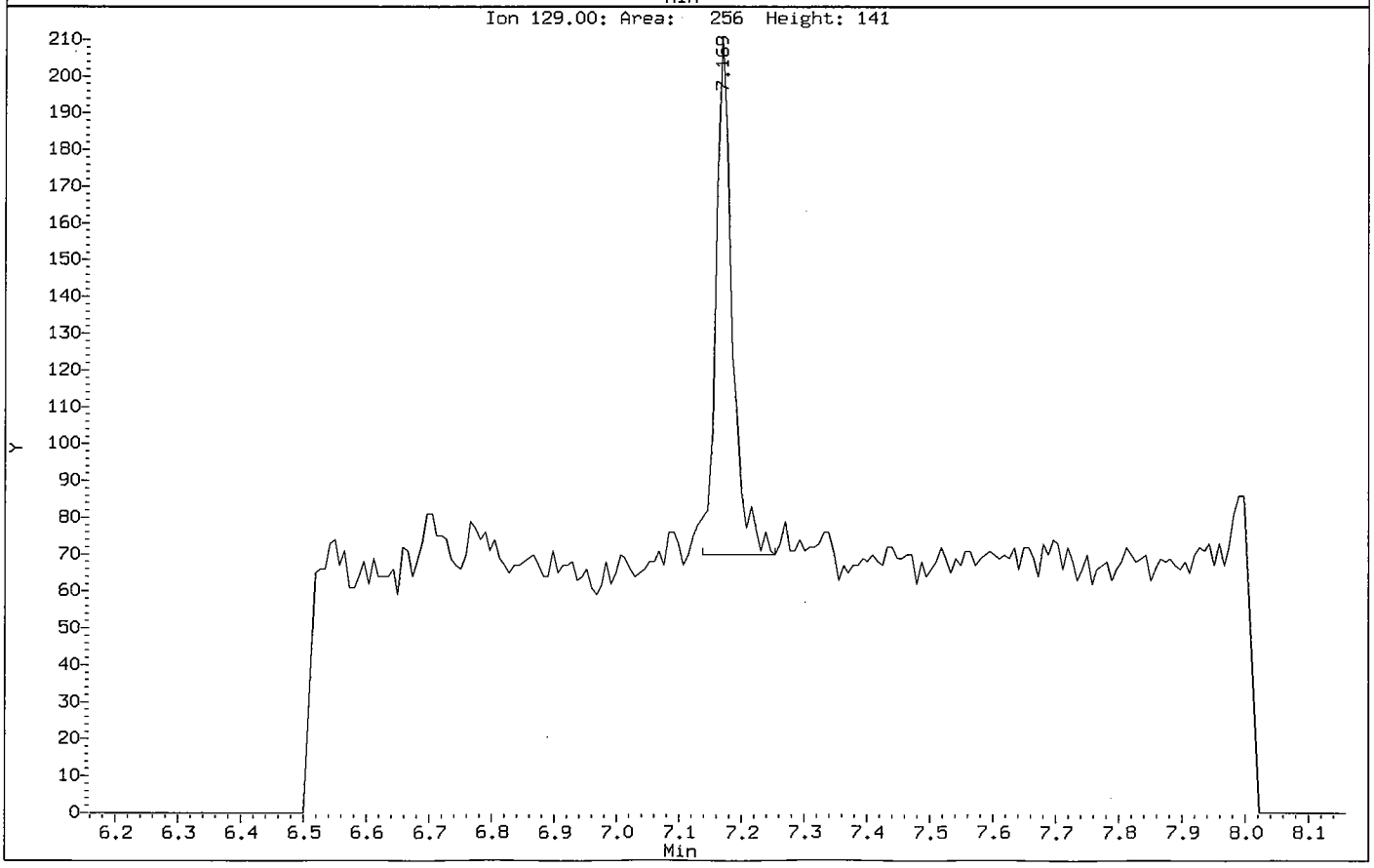


File name: /chem/5972hp70.i/DS100630B70.b/1005134-12RB70.d
Client ID: SB32-2.5-3.5RE
Instrument ID: 5972hp70.i
Injection Date and Time: 01-JUL-2010 02:37
Retention Time: 7.17
Operator ID: TD

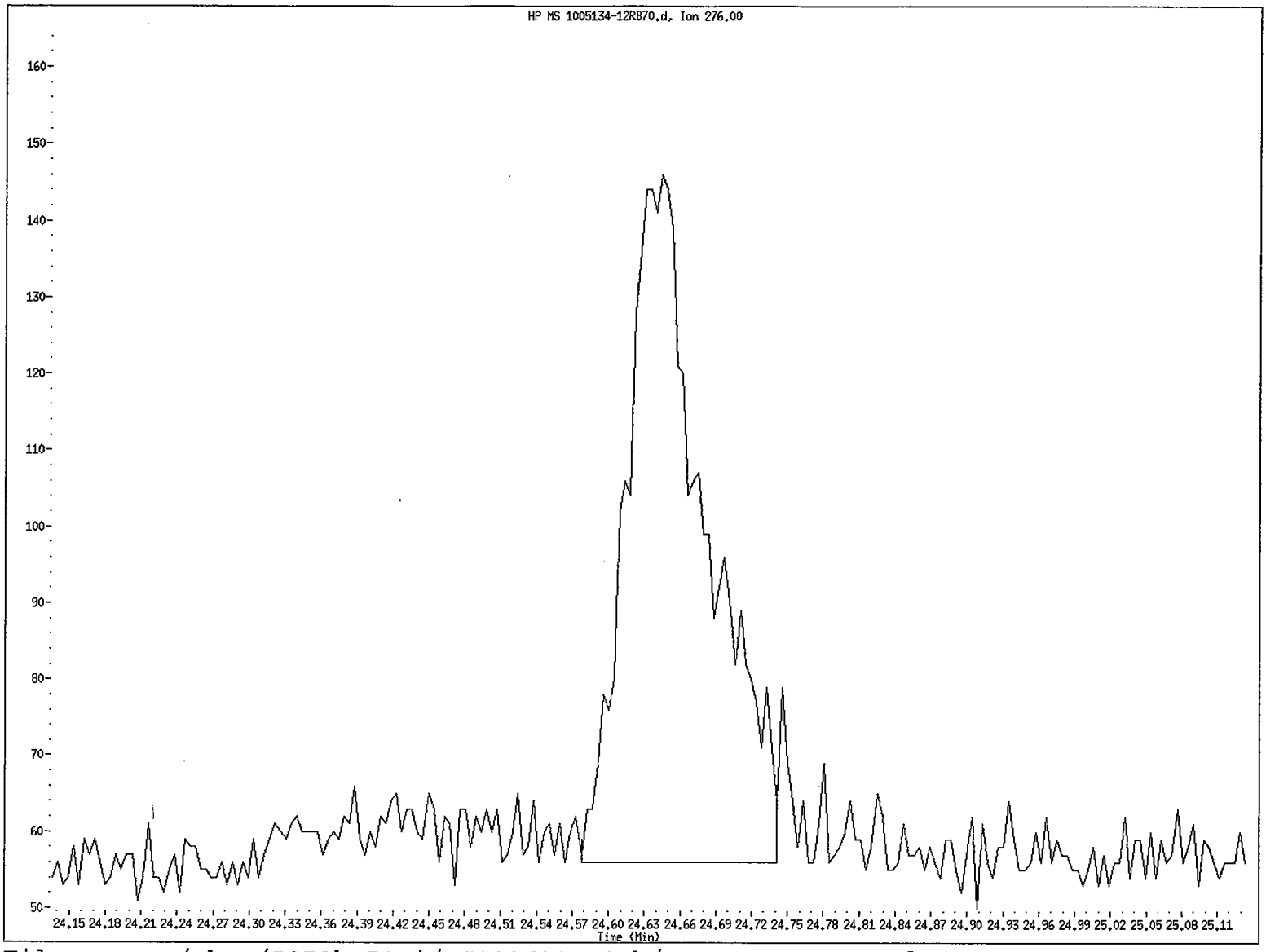
Data File: /chem/5972hp70.i/DS100630B70.b/1005134-12RB70.d
Injection Date: 01-JUL-2010 02:37
Instrument: 5972hp70.i
Client Sample ID: SB32-2.5-3.5RE

Compound: Naphthalene
CAS Number: 91-20-3





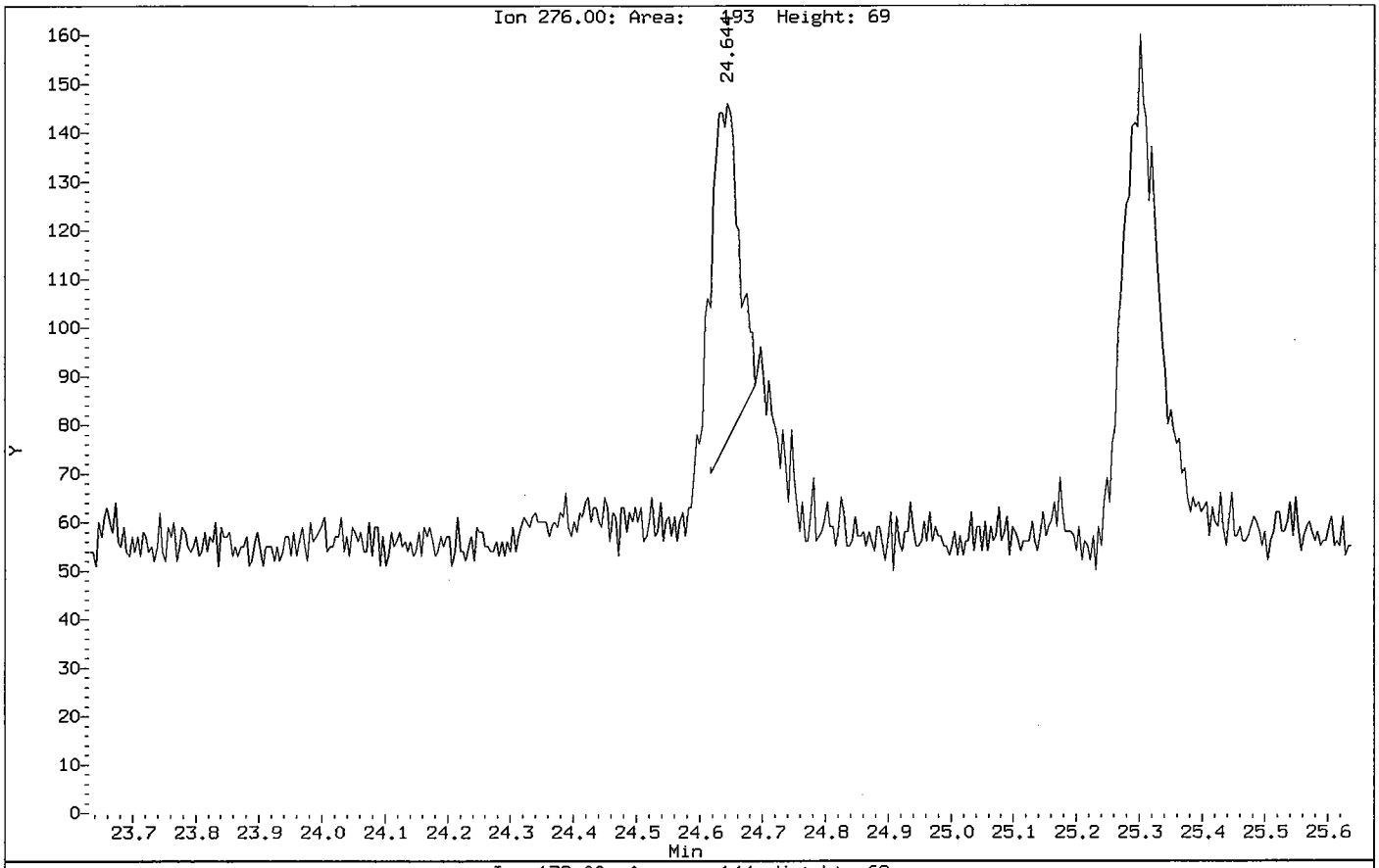
Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 425 Manually integrated

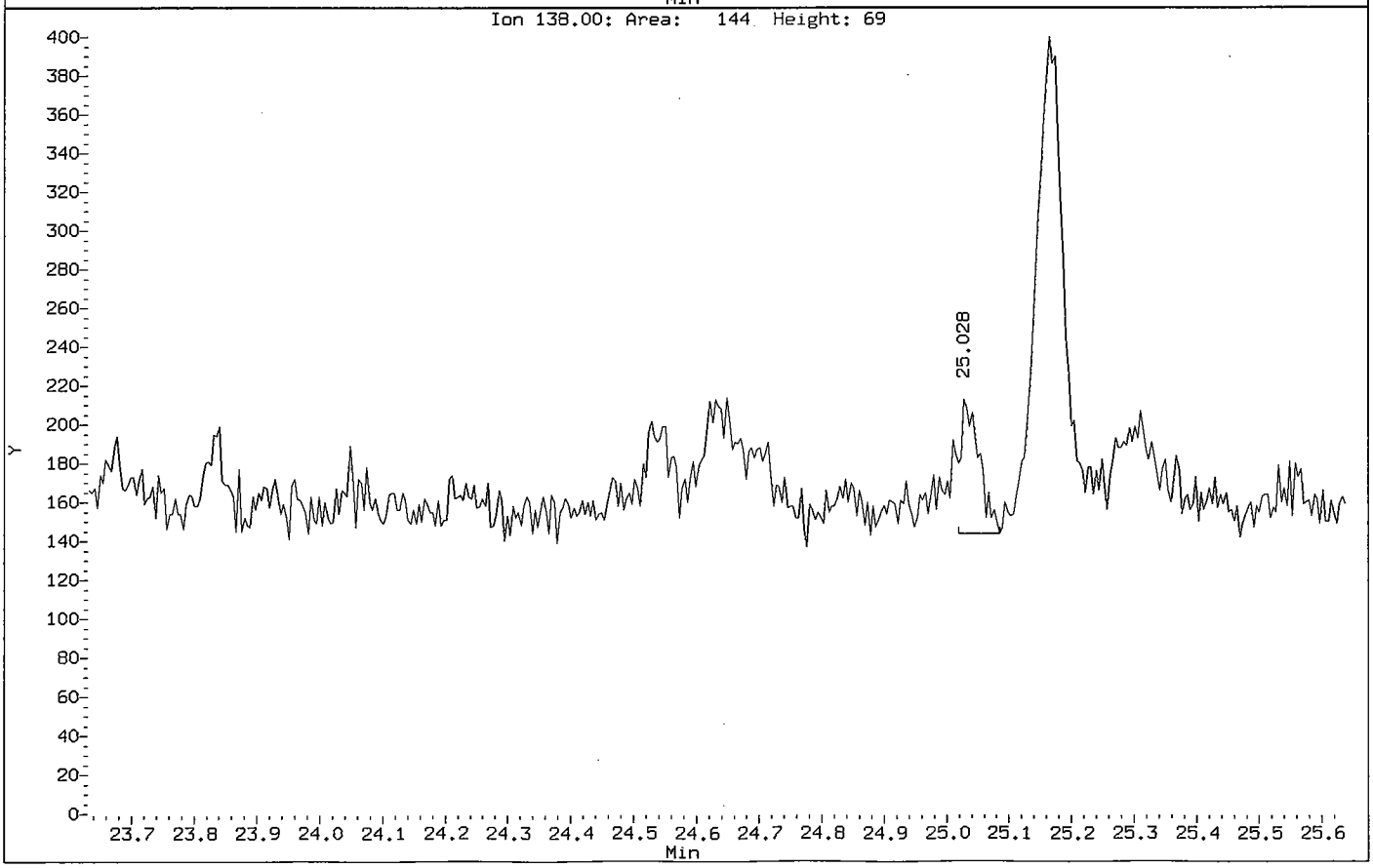


File name: /chem/5972hp70.i/DS100630B70.b/1005134-12RB70.d
Client ID: SB32-2.5-3.5RE
Instrument ID: 5972hp70.i
Injection Date and Time: 01-JUL-2010 02:37
Retention Time: 24.64
Operator ID: TD

Data File: /chem/5972hp70.i/DS100630B70.b/1005134-12RB70.d
Injection Date: 01-JUL-2010 02:37
Instrument: 5972hp70.i
Client Sample ID: SB32-2.5-3.5RE

Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





Data File: /chem/5972hp70.i/DS100630B70.b/1005134-12RB70.d

Date : 01-JUL-2010 02:37

Client ID: SB32-2.5-3.5RE

Instrument: 5972hp70.i

Sample Info: 1005134-12:TD

Volume Injected (uL): 2.0

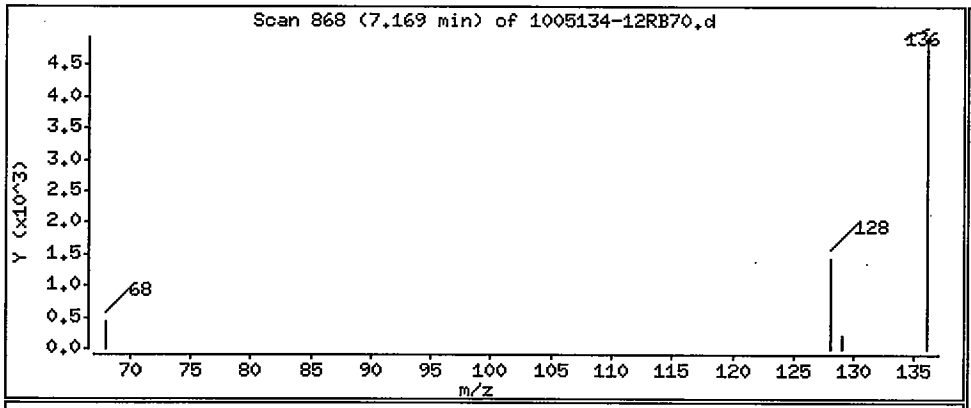
Operator: TD

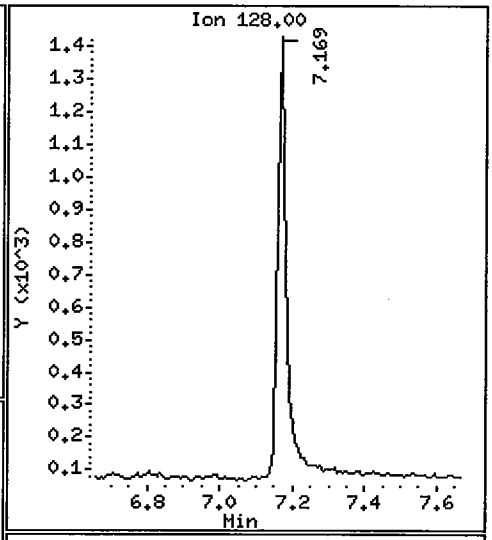
Column phase: Rtx-5MS

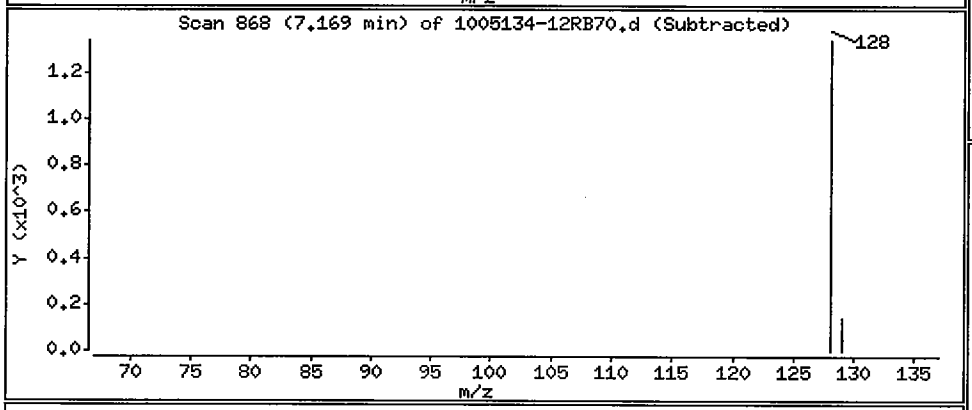
Column diameter: 0.32

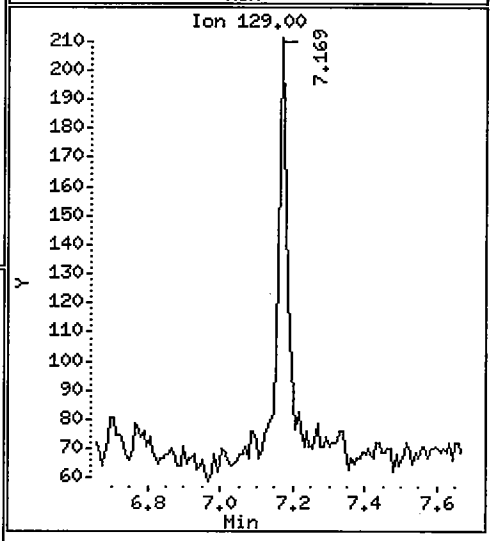
13 Naphthalene

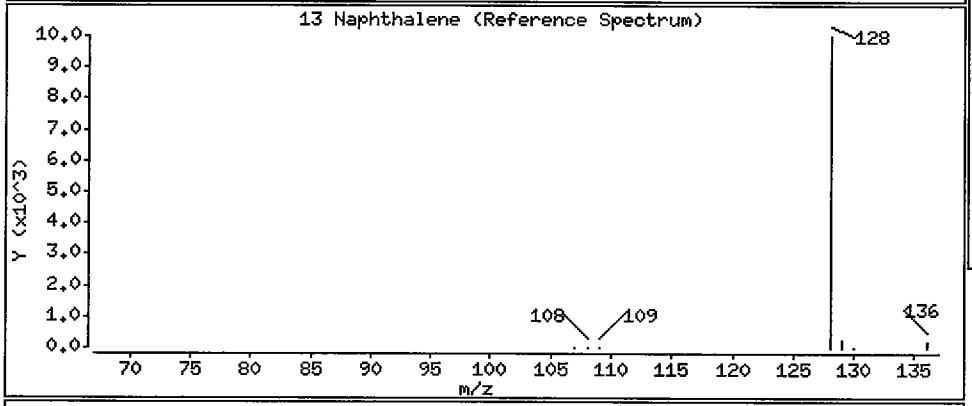
Concentration: 0.80 ug/Kg

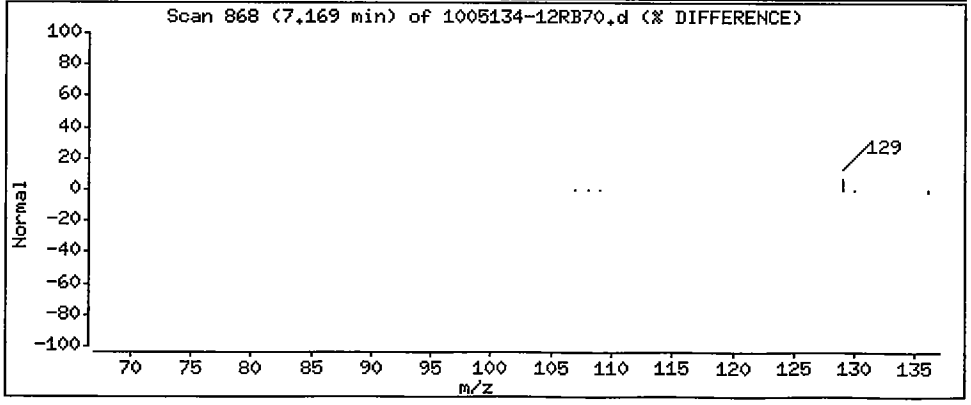












Data File: /chem/5972hp70.i/DS100630B70.b/1005134-12RB70.d

Date : 01-JUL-2010 02:37

Client ID: SB32-2.5-3.5RE

Instrument: 5972hp70.i

Sample Info: 1005134-12:TD

Volume Injected (uL): 2.0

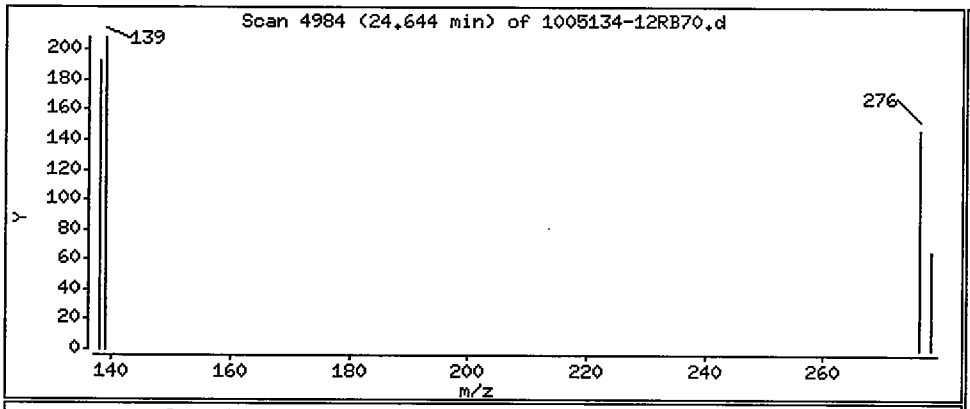
Operator: TD

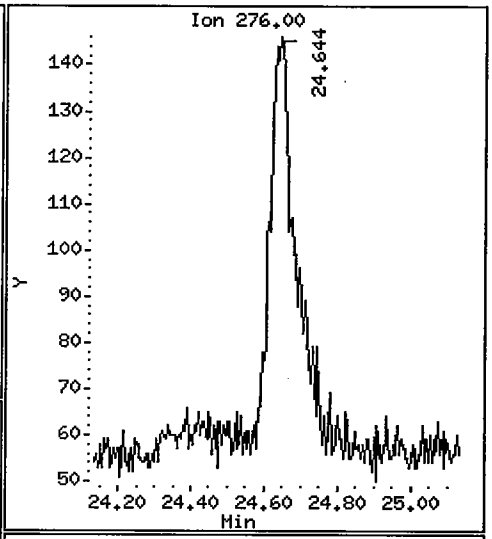
Column phase: Rtx-5MS

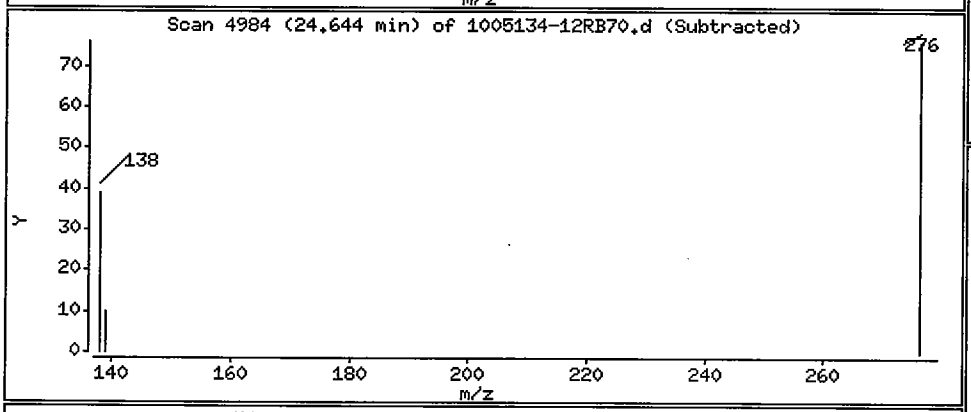
Column diameter: 0.32

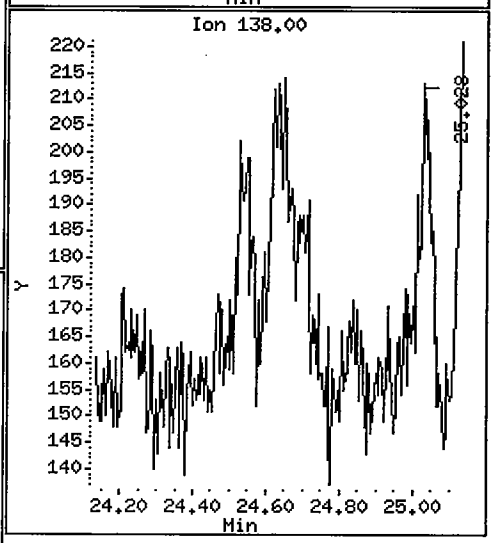
34 Indeno(1,2,3-cd)pyrene

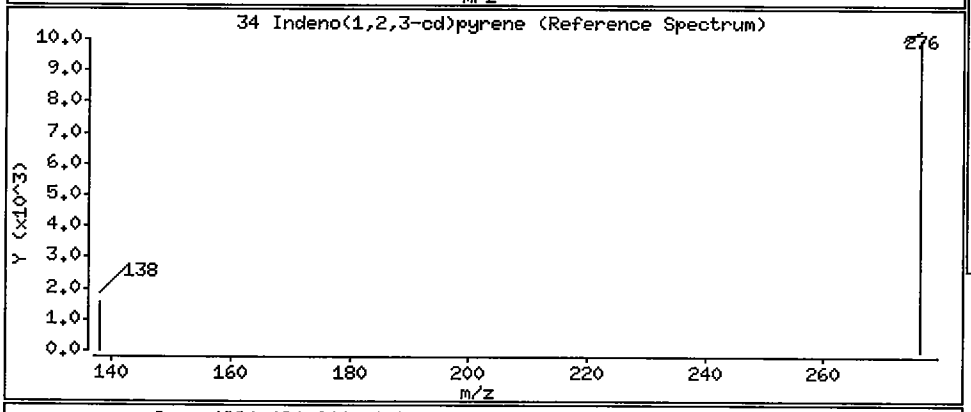
Concentration: 4.2 ug/Kg

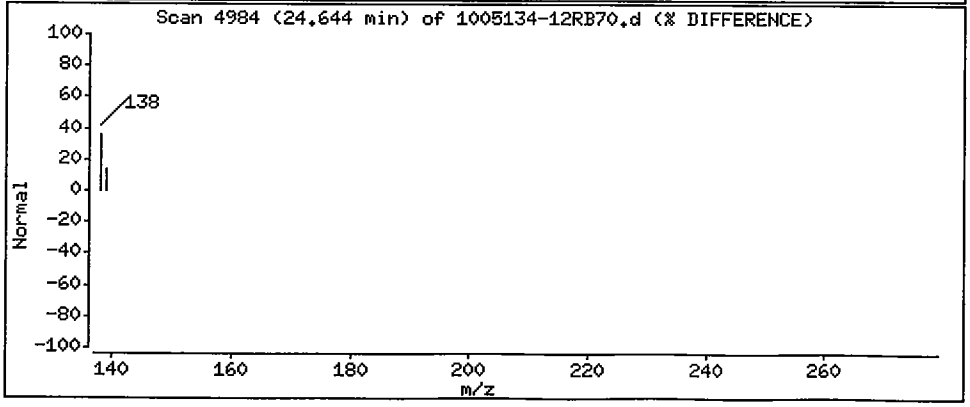












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB32D-2.5-3.5

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/18/10

Lab Sample ID: 1005134-13
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005134-13B70
Analyst: TD

% Moisture: 9 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK2

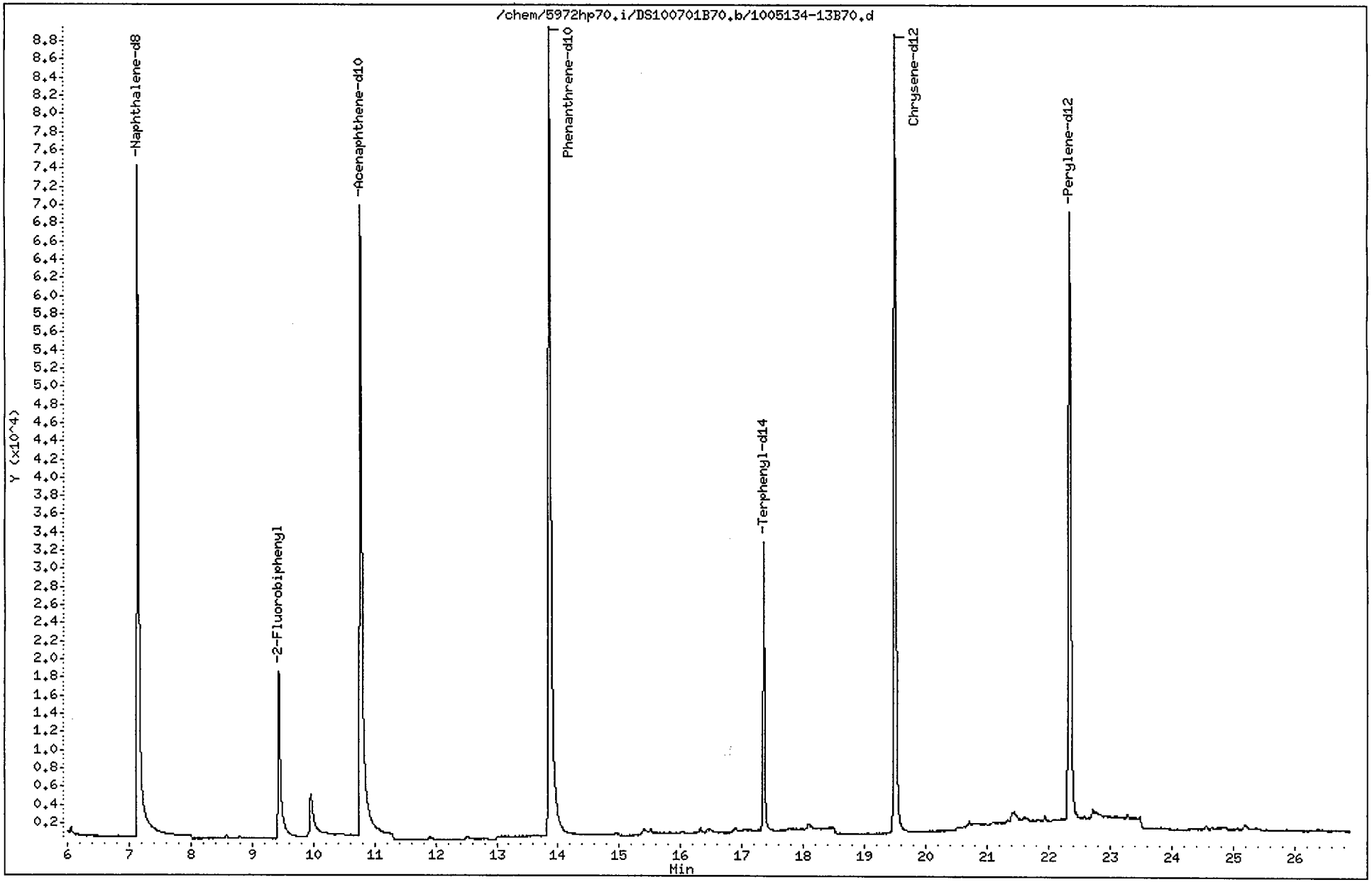
Date Extracted: 05/25/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.79	9.1	ND	U
91-57-6	2-Methylnaphthalene	0.75	9.1	ND	U
208-96-8	Acenaphthylene	0.59	9.1	ND	U
83-32-9	Acenaphthene	0.66	9.1	ND	U
86-73-7	Fluorene	0.49	9.1	ND	U
85-01-8	Phenanthrene	1.4	9.1	ND	U
120-12-7	Anthracene	0.48	9.1	ND	U
206-44-0	Fluoranthene	1.5	9.1	ND	U
129-00-0	Pyrene	0.62	9.1	ND	U
56-55-3	Benzo(a)anthracene	0.62	9.1	ND	U
218-01-9	Chrysene	0.70	9.1	ND	U
205-99-2	Benzo(b)fluoranthene	0.62	9.1	ND	U
207-08-9	Benzo(k)fluoranthene	0.48	9.1	ND	U
50-32-8	Benzo(a)pyrene	0.42	9.1	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.40	9.1	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.37	9.1	ND	U
191-24-2	Benzo(g,h,i)perylene	0.42	9.1	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp70.i/DS100701B70.b/1005134-13B70.d
Date : 02-JUL-2010 00:48
Client ID: SB32D-2.5-3.5
Sample Info: 1005134-13:TD
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: TD
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701B70.b/1005134-13B70.d
Report Date: 06-Jul-2010 16:23

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701B70.b/1005134-13B70.d
Lab Smp Id: 1005134-13 Client Smp ID: SB32D-2.5-3.5
Inj Date : 02-JUL-2010 00:48
Operator : TD Inst ID: 5972hp70.i
Smp Info : 1005134-13:TD
Misc Info : SB32D-2.5-3.5
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701B70.b/SIM_8270Cv3DOD.m
Meth Date : 06-Jul-2010 15:50 mead Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	9.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	4.846	4.848	(1.000)	42213	2.00000	
* 2 Naphthalene-d8	136	7.146	7.162	(1.000)	164831	2.00000	
* 3 Acenaphthene-d10	164	10.770	10.784	(1.000)	100259	2.00000	
* 4 Phenanthrene-d10	188	13.863	13.872	(1.000)	206679	2.00000	
* 5 Chrysene-d12	240	19.494	19.499	(1.000)	164797	2.00000	
* 6 Perylene-d12	264	22.340	22.344	(1.000)	153413	2.00000	
$ 9 Nitrobenzene-d5	82	5.869	5.880	(0.821)	31312	0.58703	11
$ 10 2-Fluorobiphenyl	172	9.438	9.460	(0.876)	41967	0.60736	11
$ 12 Terphenyl-d14	244	17.353	17.362	(0.890)	49067	0.83646	15
13 Naphthalene	128	Compound Not Detected.					
15 2-Methylnaphthalene	141	Compound Not Detected.					
17 Acenaphthylene	152	Compound Not Detected.					
18 Acenaphthene	154	Compound Not Detected.					

PM 7/6/10

Data File: /chem/5972hp70.i/DS100701B70.b/1005134-13B70.d
Report Date: 06-Jul-2010 16:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB32D-2.5-3.5RE

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/18/10

Lab Sample ID: 1005134-13RE1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005134-13RB70
Analyst: TD

% Moisture: 9 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

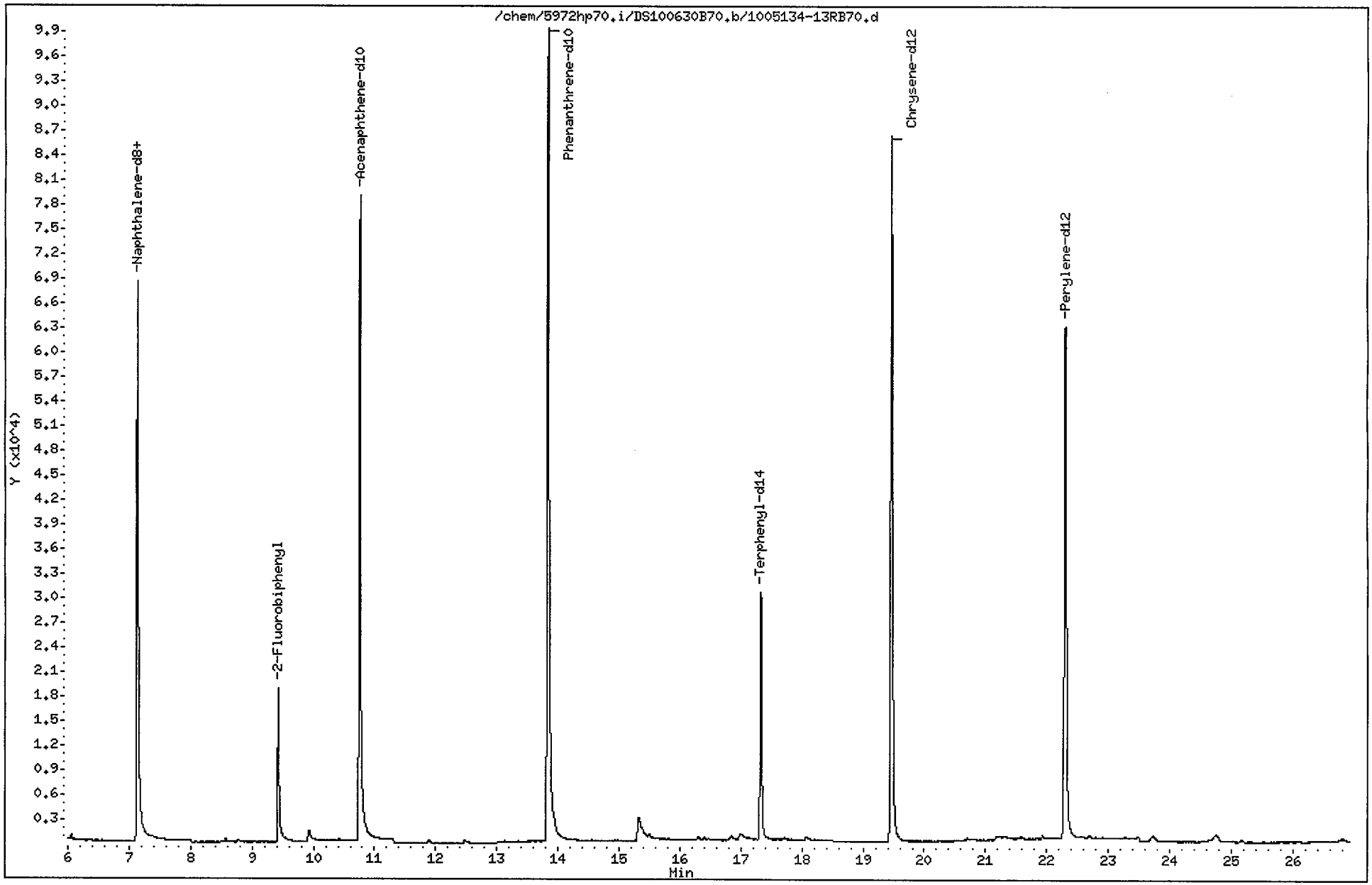
Date Extracted: 06/02/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.79	9.1	1.0	JB
91-57-6	2-Methylnaphthalene	0.75	9.1	ND	U
208-96-8	Acenaphthylene	0.59	9.1	ND	U
83-32-9	Acenaphthene	0.66	9.1	ND	U
86-73-7	Fluorene	0.49	9.1	ND	U
85-01-8	Phenanthrene	1.4	9.1	ND	U
120-12-7	Anthracene	0.48	9.1	ND	U
206-44-0	Fluoranthene	1.5	9.1	ND	U
129-00-0	Pyrene	0.62	9.1	ND	U
56-55-3	Benzo(a)anthracene	0.62	9.1	ND	U
218-01-9	Chrysene	0.70	9.1	ND	U
205-99-2	Benzo(b)fluoranthene	0.62	9.1	ND	U
207-08-9	Benzo(k)fluoranthene	0.48	9.1	ND	U
50-32-8	Benzo(a)pyrene	0.42	9.1	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.40	9.1	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.37	9.1	ND	U
191-24-2	Benzo(g,h,i)perylene	0.42	9.1	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp70.i/DS100630B70.b/1005134-13RB70.d
Date : 01-JUL-2010 03:13
Client ID: SB32D-2.5-3.5RE
Sample Info: 1005134-13:TD
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: TD
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630B70.b/1005134-13RB70.d
Report Date: 02-Jul-2010 12:16

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630B70.b/1005134-13RB70.d
Lab Smp Id: 1005134-13 Client Smp ID: SB32D-2.5-3.5RE
Inj Date : 01-JUL-2010 03:13
Operator : TD Inst ID: 5972hp70.i
Smp Info : 1005134-13:TD
Misc Info : SB32D-2.5-3.5RE
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630B70.b/SIM_8270Cv3DOD.m
Meth Date : 02-Jul-2010 12:02 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	9.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	4.838	4.823	(1.000)	32352	2.00000	
* 2 Naphthalene-d8	136	7.131	7.130	(1.000)	117403	2.00000	
* 3 Acenaphthene-d10	164	10.757	10.757	(1.000)	78416	2.00000	
* 4 Phenanthrene-d10	188	13.833	13.831	(1.000)	173582	2.00000	
* 5 Chrysene-d12	240	19.458	19.458	(1.000)	142790	2.00000	
* 6 Perylene-d12	264	22.296	22.295	(1.000)	130654	2.00000	
$ 9 Nitrobenzene-d5	82	5.866	5.855	(0.823)	20091	0.52882	9.7
$ 10 2-Fluorobiphenyl	172	9.428	9.428	(0.877)	27723	0.51298	9.4
$ 12 Terphenyl-d14	244	17.326	17.331	(0.890)	43428	0.85443	16
13 Naphthalene	128	7.169	7.161	(1.005)	4255	0.05675	1.0(a)
15 2-Methylnaphthalene	141	Compound Not Detected.					
17 Acenaphthylene	152	Compound Not Detected.					
18 Acenaphthene	154	Compound Not Detected.					

Data File: /chem/5972hp70.i/DS100630B70.b/1005134-13RB70.d
Report Date: 02-Jul-2010 12:16

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /chem/5972hp70.i/DS100630B70.b/1005134-13RB70.d

Date : 01-JUL-2010 03:13

Client ID: SB32D-2.5-3.5RE

Instrument: 5972hp70.i

Sample Info: 1005134-13:TD

Volume Injected (uL): 2.0

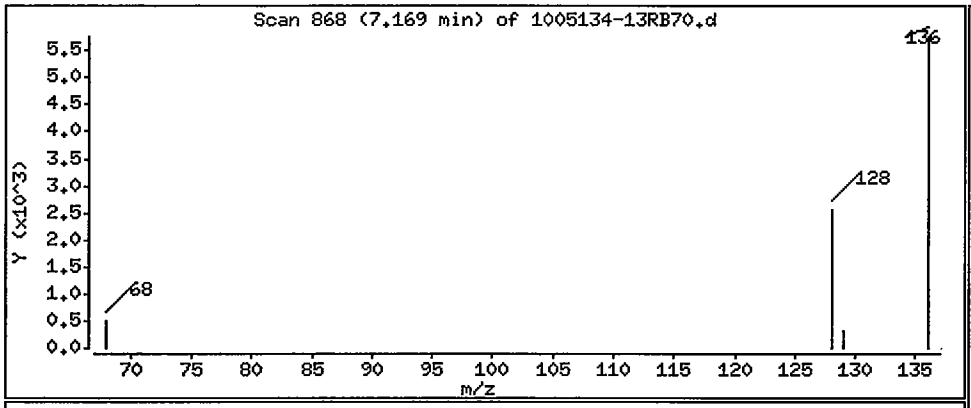
Operator: TD

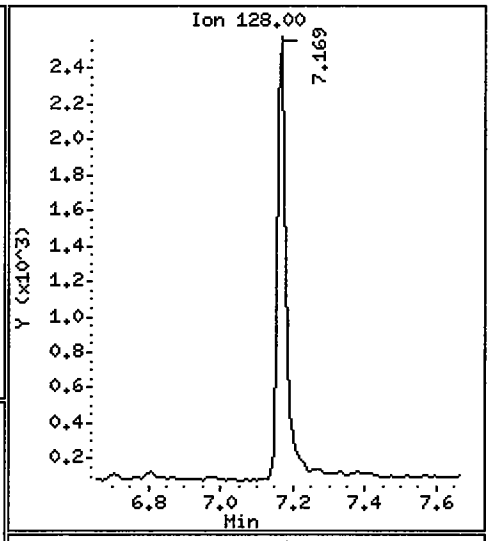
Column phase: Rtx-5MS

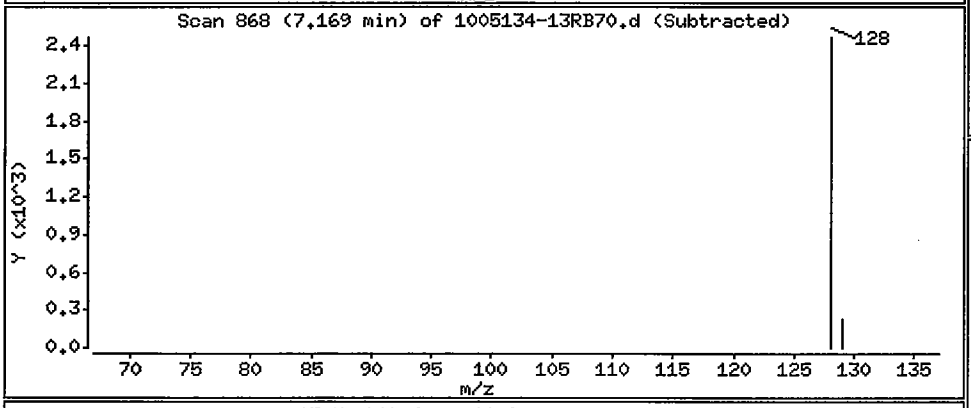
Column diameter: 0.32

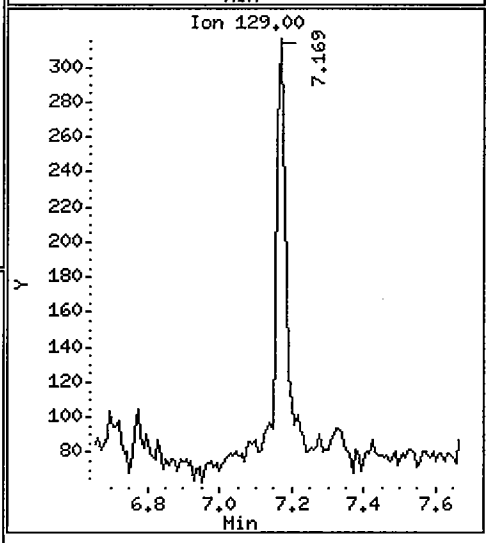
13 Naphthalene

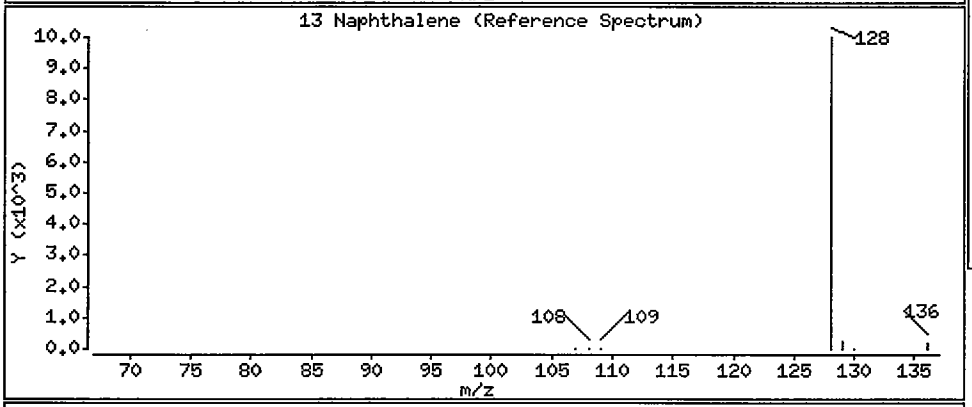
Concentration: 1.0 ug/Kg

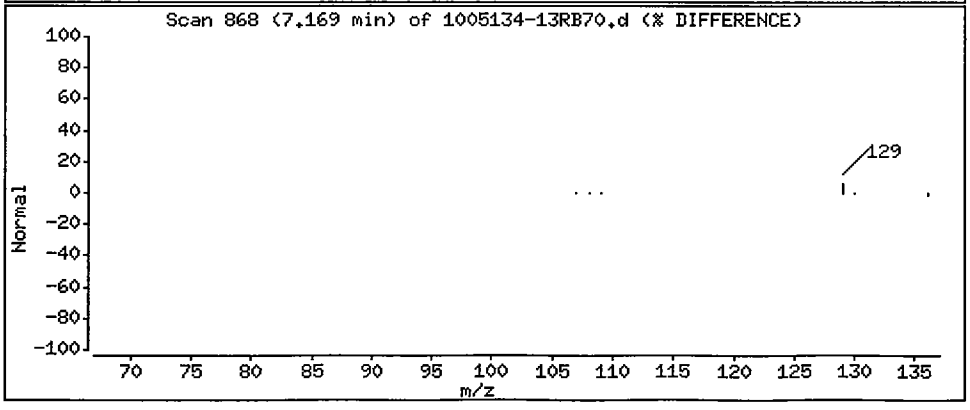












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB33-4-5

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/17/10

Lab Sample ID: 1005134-07
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005134-07A66
Analyst: 2650

% Moisture: 11 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK1

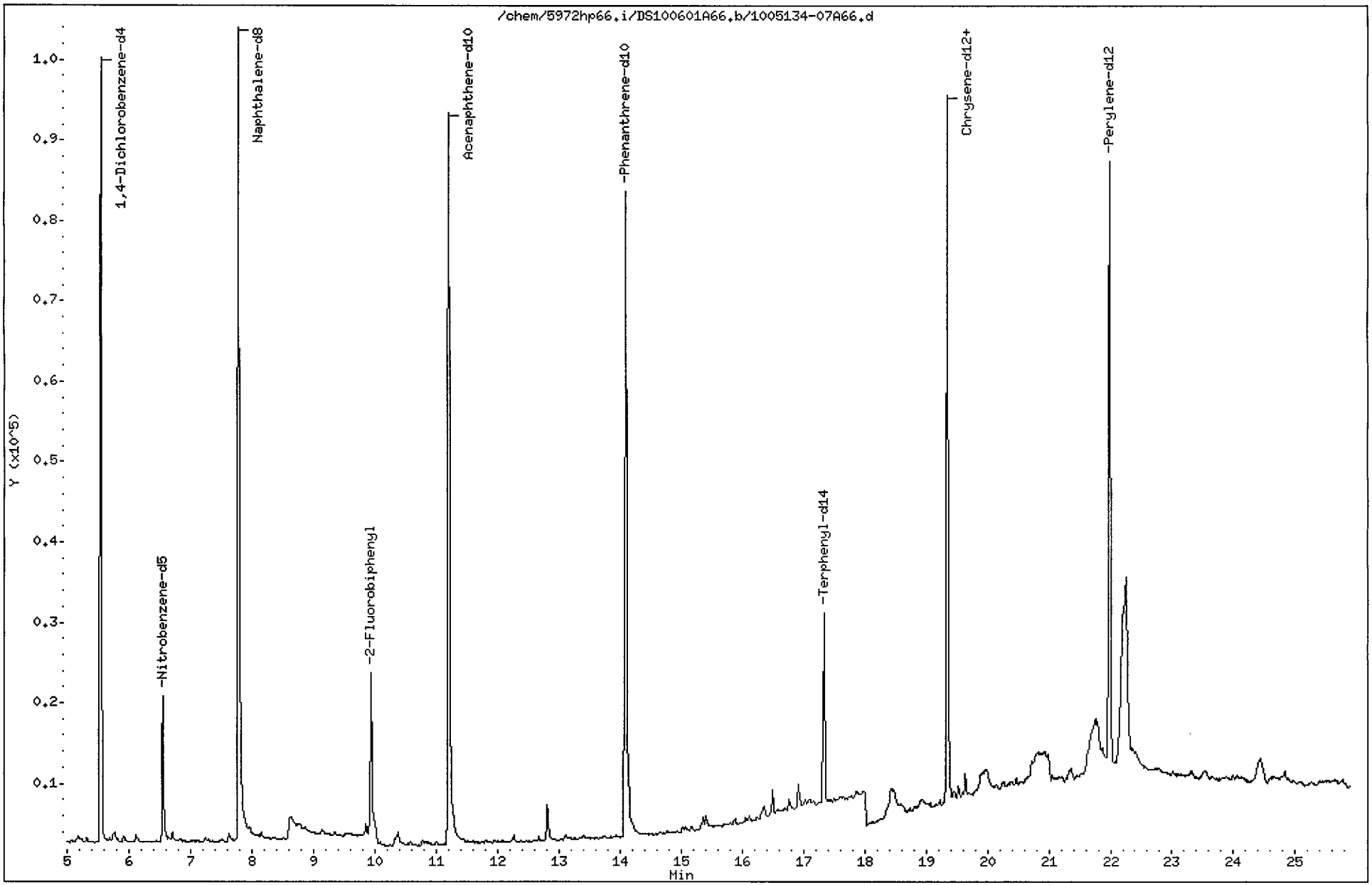
Date Extracted: 05/25/10
Date Analyzed: 06/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.81	9.3	ND	U
91-57-6	2-Methylnaphthalene	0.77	9.3	ND	U
208-96-8	Acenaphthylene	0.60	9.3	ND	U
83-32-9	Acenaphthene	0.67	9.3	ND	U
86-73-7	Fluorene	0.51	9.3	ND	U
85-01-8	Phenanthrene	1.5	9.3	ND	U
120-12-7	Anthracene	0.49	9.3	ND	U
206-44-0	Fluoranthene	1.5	9.3	ND	U
129-00-0	Pyrene	0.64	9.3	0.99	J
56-55-3	Benzo(a)anthracene	0.64	9.3	ND	U
218-01-9	Chrysene	0.71	9.3	0.84	J
205-99-2	Benzo(b)fluoranthene	0.64	9.3	ND	U
207-08-9	Benzo(k)fluoranthene	0.49	9.3	ND	U
50-32-8	Benzo(a)pyrene	0.43	9.3	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.41	9.3	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.37	9.3	ND	U
191-24-2	Benzo(g,h,i)perylene	0.43	9.3	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp66.i/DS100601A66.b/1005134-07A66.d
Date : 01-JUN-2010 22:33
Client ID: SB33-4-5
Instrument: 5972hp66.i
Sample Info: 1005134-07:2650
Volume Injected (uL): 2.0
Operator: 2650
Column phase: Rtx-5MS
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100601A66.b/1005134-07A66.d
Report Date: 07-Jul-2010 14:32

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100601A66.b/1005134-07A66.d
Lab Smp Id: 1005134-07 Client Smp ID: SB33-4-5
Inj Date : 01-JUN-2010 22:33
Operator : 2650 Inst ID: 5972hp66.i
Smp Info : 1005134-07:2650
Misc Info : SB33-4-5
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100601A66.b/SIM_8270Cv2DOD.m
Meth Date : 07-Jul-2010 14:32 parikh Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50
Processing Host: einstein

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	11.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
* 1 1,4-Dichlorobenzene-d4	152	5.548	5.531	(1.000)	58711	2.00000		(a)
* 2 Naphthalene-d8	136	7.790	7.773	(1.000)	175009	2.00000		(a)
* 3 Acenaphthene-d10	164	11.205	11.192	(1.000)	87410	2.00000		(a)
* 4 Phenanthrene-d10	188	14.100	14.074	(1.000)	148715	2.00000		(a)
* 5 Chrysene-d12	240	19.345	19.328	(1.000)	126393	2.00000		(a)
* 6 Perylene-d12	264	21.983	21.960	(1.000)	114592	2.00000		(a)
$ 9 Nitrobenzene-d5	82	6.552	6.534	(0.841)	22846	0.58665	11	
$ 10 2-Fluorobiphenyl	172	9.941	9.923	(0.887)	33097	0.36285	6.8	(R)
$ 12 Terphenyl-d14	244	17.333	17.320	(0.896)	32264	0.70255	13	
13 Naphthalene	128	Compound Not Detected.						
15 2-Methylnaphthalene	141	Compound Not Detected.						
17 Acenaphthylene	152	Compound Not Detected.						

SDG 07107/10

Data File: /chem/5972hp66.i/DS100601A66.b/1005134-07A66.d
Report Date: 07-Jul-2010 14:32

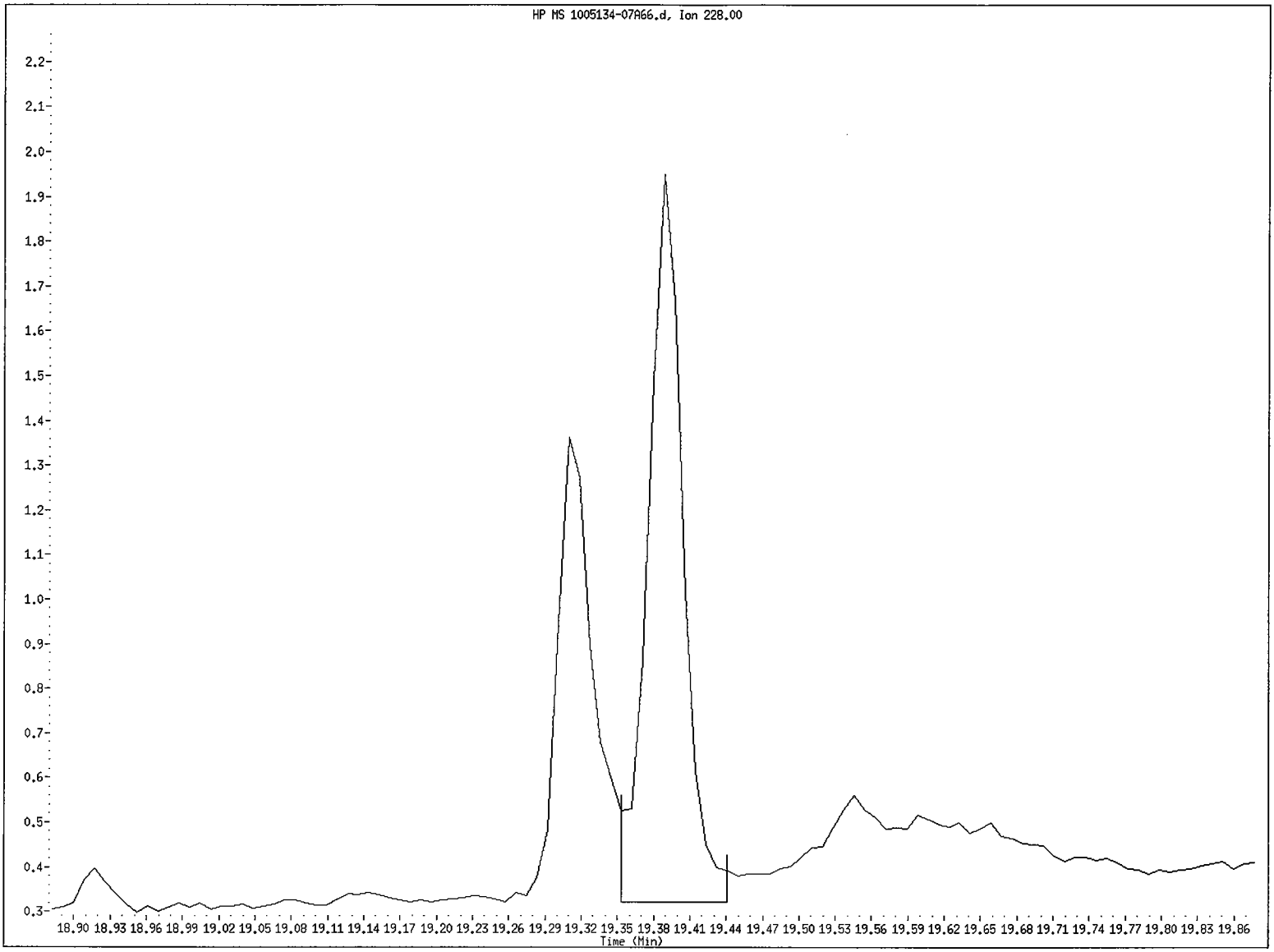
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
18 Acenaphthene	154	Compound Not Detected.					
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	16.929	16.903	(0.875)	4804	0.05263	0.99(a)
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	19.388	19.380	(1.002)	3326	0.04469	0.84(aM)
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

Z SAP 07/07/10

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

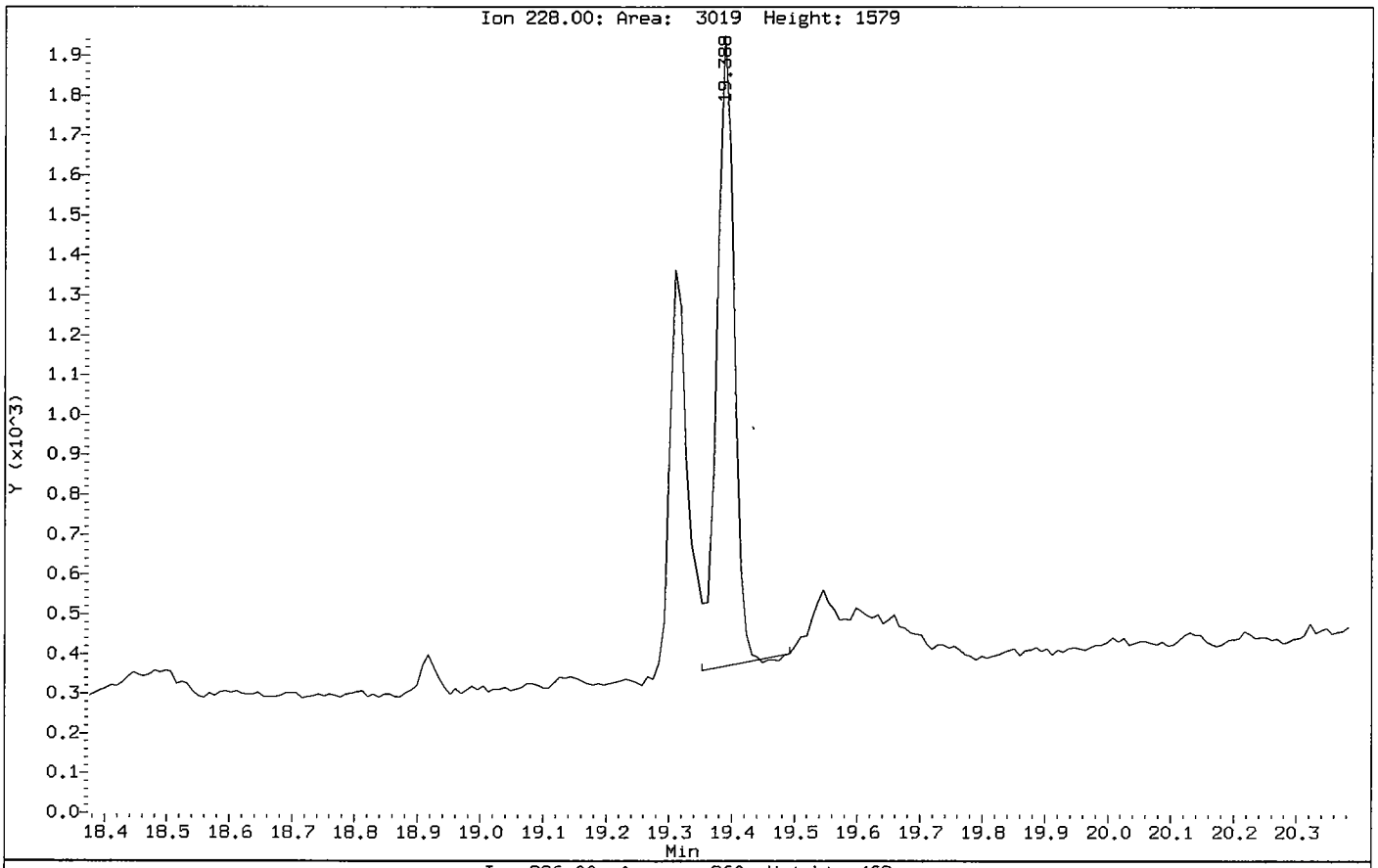
Chrysene CAS Number 218-01-9 Area = 3326 Manually integrated

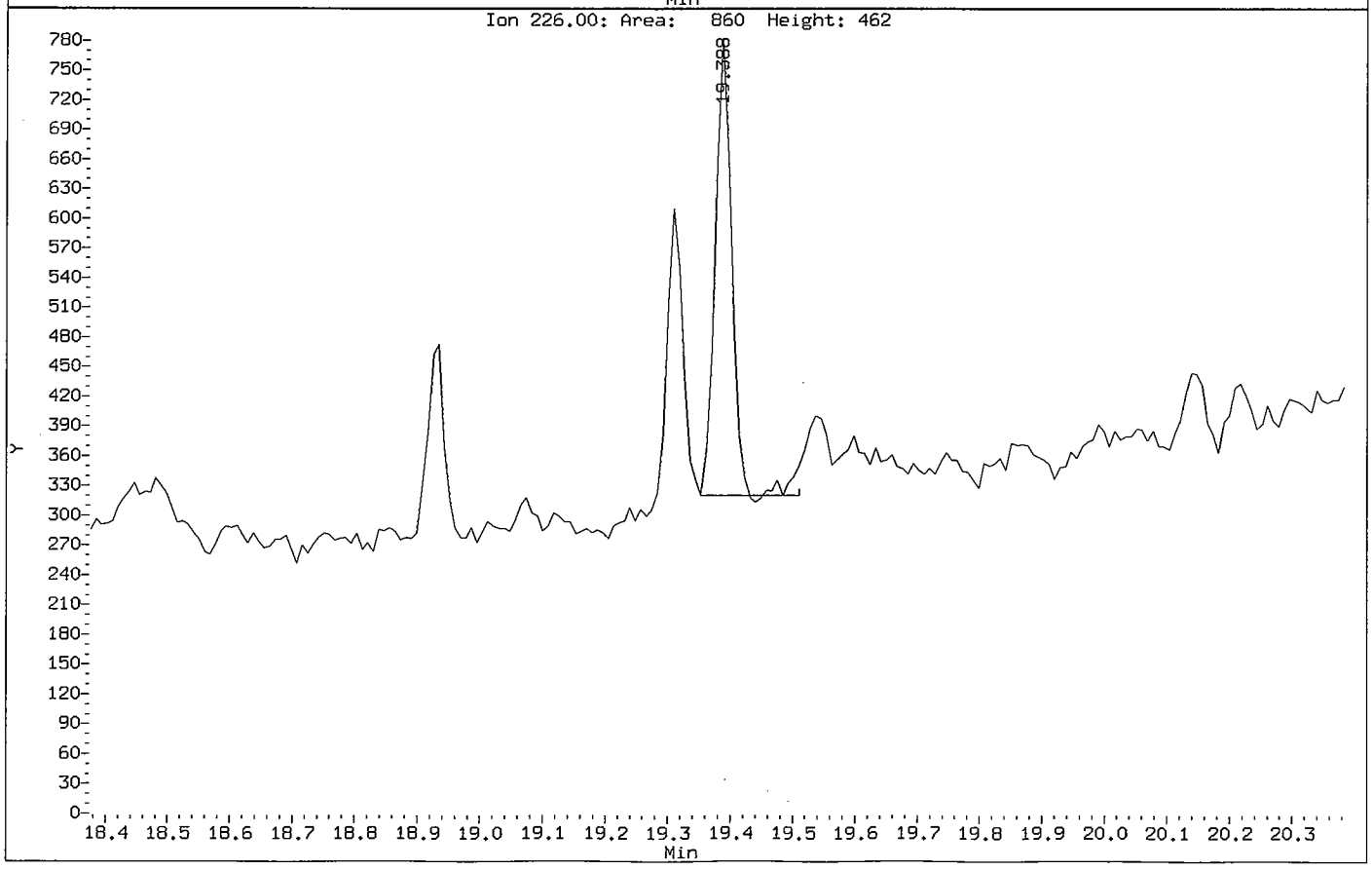


File name: /chem/5972hp66.i/DS100601A66.b/1005134-07A66.d
Client ID: SB33-4-5
Instrument ID: 5972hp66.i
Injection Date and Time: 01-JUN-2010 22:33
Retention Time: 19.39
Operator ID: 2650

Data File: /chem/5972hp66.i/DS100601A66.b/1005134-07A66.d
Injection Date: 01-JUN-2010 22:33
Instrument: 5972hp66.i
Client Sample ID: SB33-4-5

Compound: Chrysene
CAS Number: 218-01-9





Data File: /chem/5972hp66.i/DS100601A66.b/1005134-07A66.d

Date : 01-JUN-2010 22:33

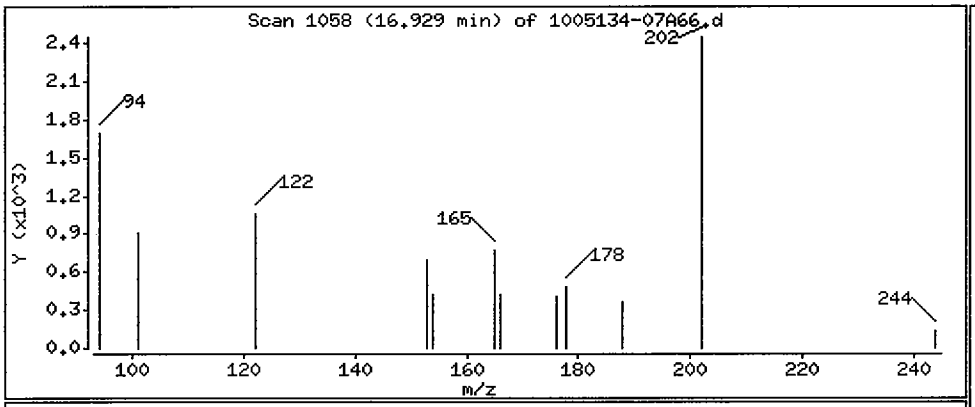
Client ID: SB33-4-5 Instrument: 5972hp66.i

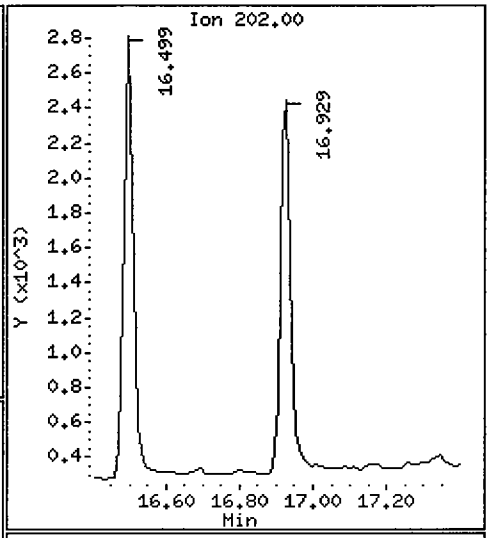
Sample Info: 1005134-07:2650

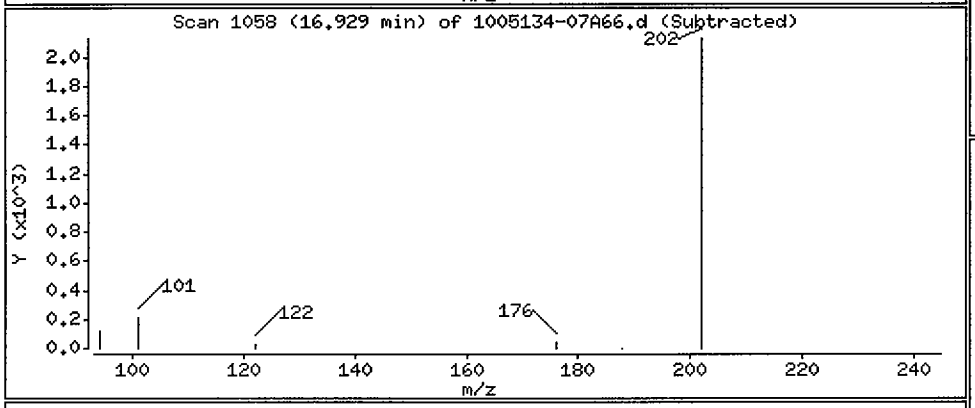
Volume Injected (uL): 2.0 Operator: 2650

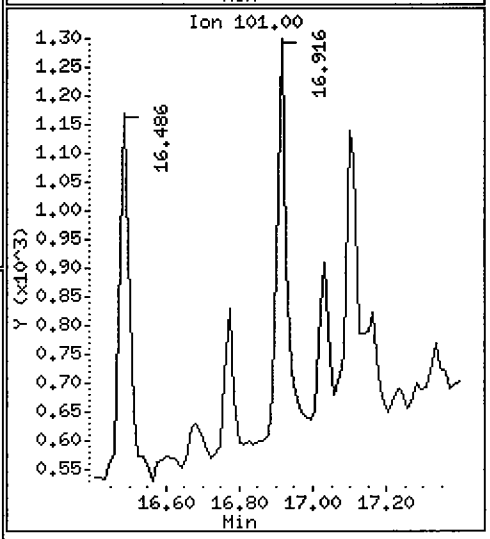
Column phase: Rtx-5MS Column diameter: 0.32

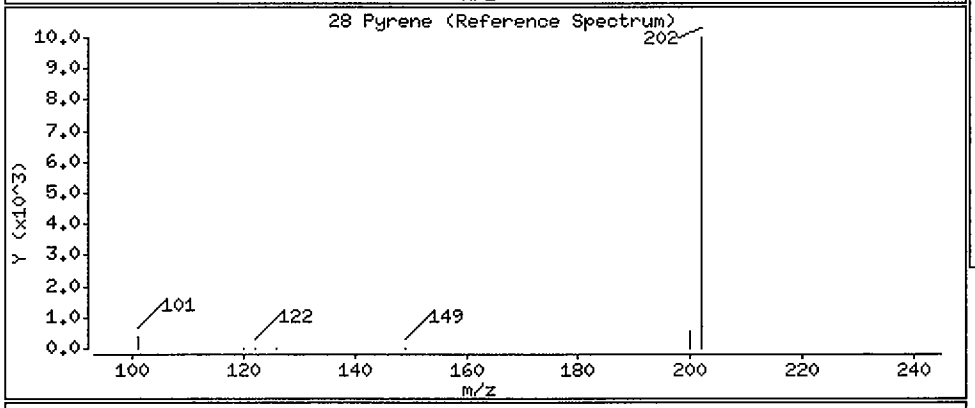
28 Pyrene Concentration: 0.99 ug/Kg

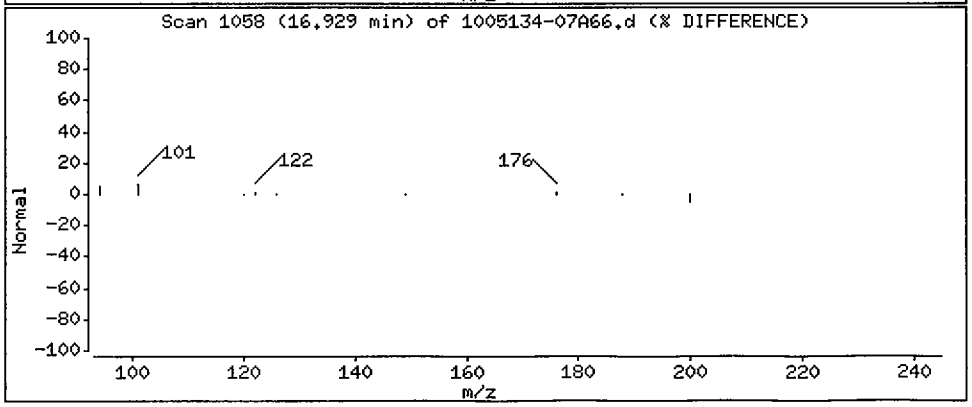












Data File: /chem/5972hp66.i/DS100601A66.b/1005134-07A66.d

Date : 01-JUN-2010 22:33

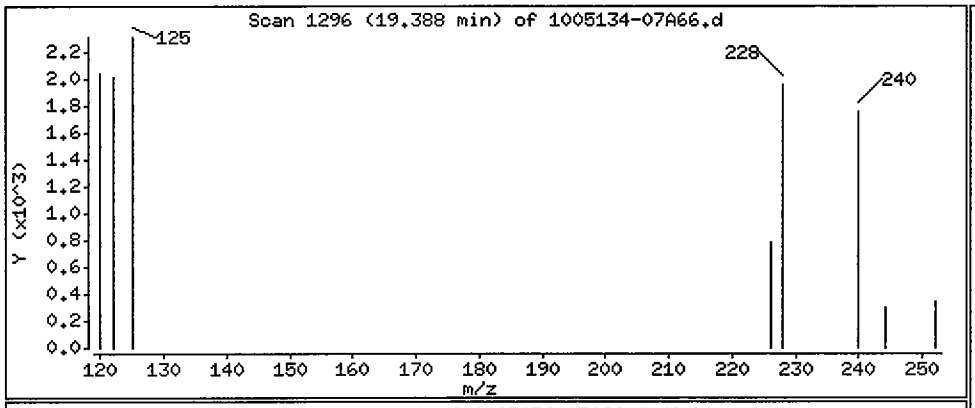
Client ID: SB33-4-5 Instrument: 5972hp66.i

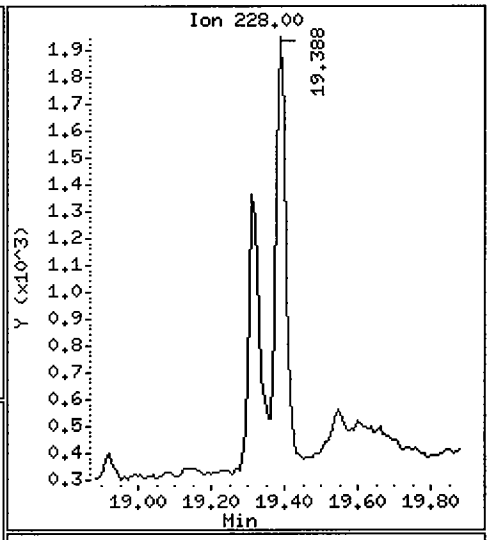
Sample Info: 1005134-07:2650

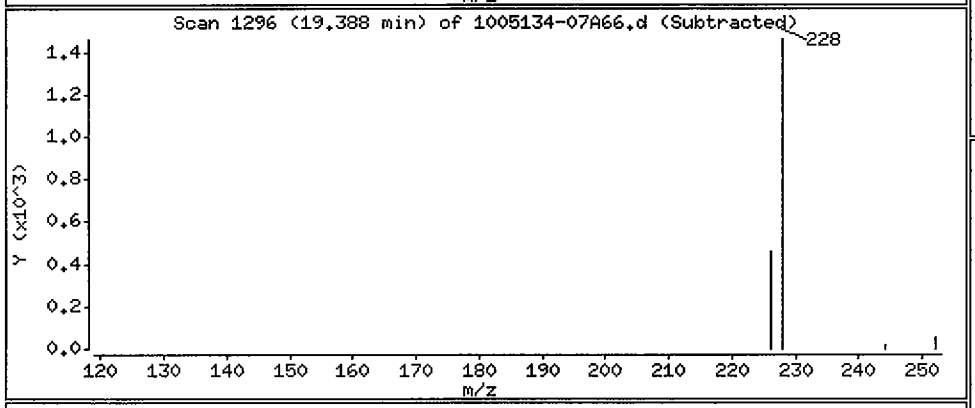
Volume Injected (uL): 2.0 Operator: 2650

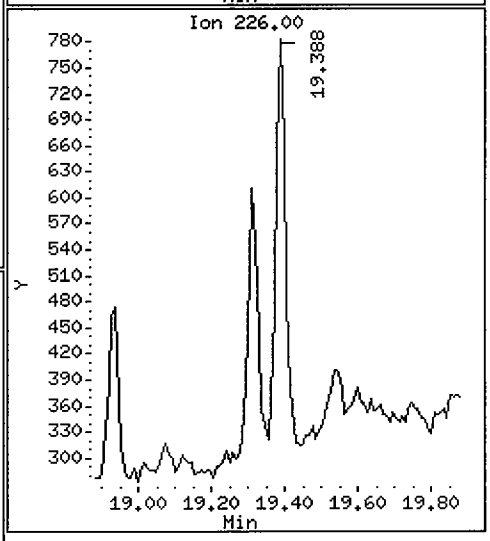
Column phase: Rtx-5MS Column diameter: 0.32

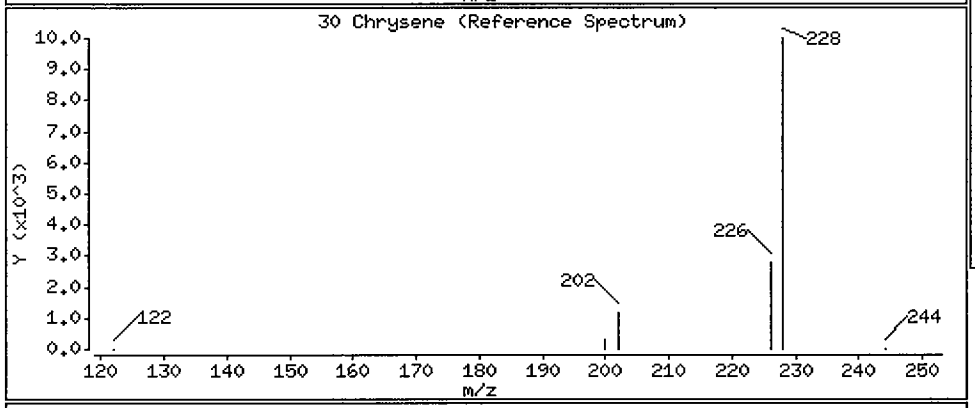
30 Chrysene Concentration: 0.84 ug/Kg

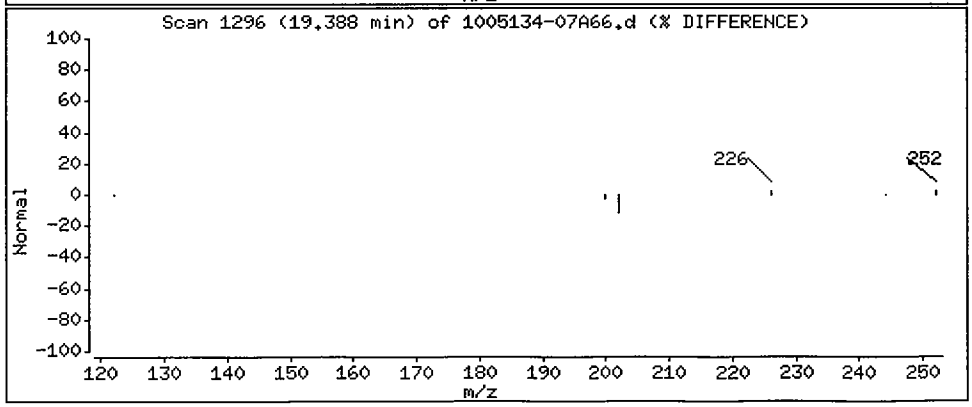












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB33-4-5RE

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/17/10

Lab Sample ID: 1005134-07RE1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005134-07RA70
Analyst: MEW

% Moisture: 11 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

Date Extracted: 06/02/10
Date Analyzed: 06/30/10
Dilution Factor: 1.0

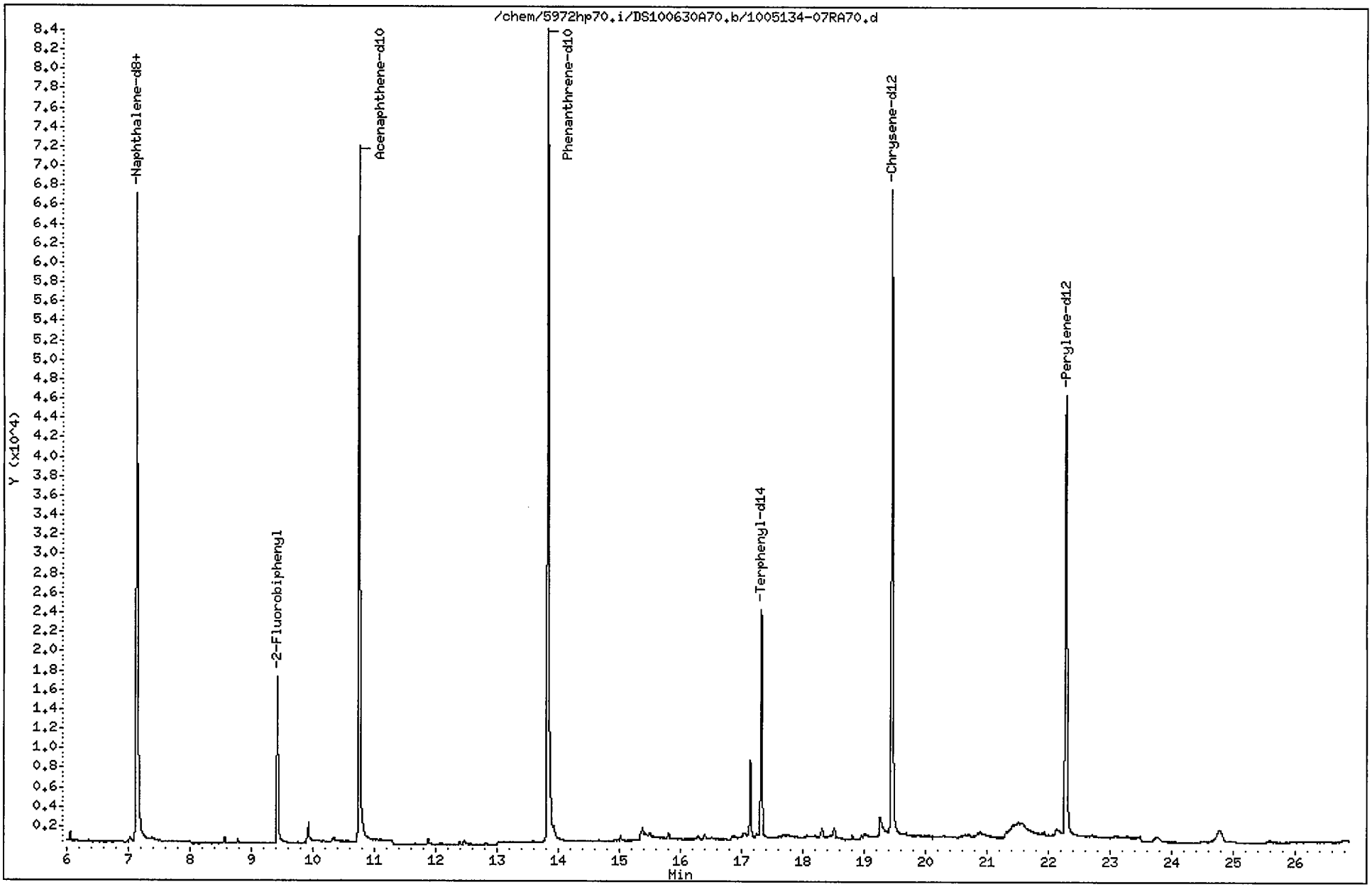
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.81	9.3	2.4	JB
91-57-6	2-Methylnaphthalene	0.77	9.3	ND	U
208-96-8	Acenaphthylene	0.60	9.3	ND	U
83-32-9	Acenaphthene	0.67	9.3	ND	U
86-73-7	Fluorene	0.51	9.3	ND	U
85-01-8	Phenanthrene	1.5	9.3	ND	U
120-12-7	Anthracene	0.49	9.3	ND	U
206-44-0	Fluoranthene	1.5	9.3	ND	U
129-00-0	Pyrene	0.64	9.3	ND	U
56-55-3	Benzo(a)anthracene	0.64	9.3	ND	U
218-01-9	Chrysene	0.71	9.3	ND	U
205-99-2	Benzo(b)fluoranthene	0.64	9.3	ND	U
207-08-9	Benzo(k)fluoranthene	0.49	9.3	ND	U
50-32-8	Benzo(a)pyrene	0.43	9.3	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.41	9.3	4.3	J
53-70-3	Dibenzo(a,h)anthracene	0.37	9.3	ND	U
191-24-2	Benzo(g,h,i)perylene	0.43	9.3	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100630A70.b/1005134-07RA70.d
Date : 30-JUN-2010 21:26
Client ID: SB33-4-5RE
Sample Info: 1005134-07RE1:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630A70.b/1005134-07RA70.d
Report Date: 01-Jul-2010 13:46

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630A70.b/1005134-07RA70.d
Lab Smp Id: 1005134-07RE1 Client Smp ID: SB33-4-5RE
Inj Date : 30-JUN-2010 21:26
Operator : MEW Inst ID: 5972hp70.i
Smp Info : 1005134-07RE1:MEW
Misc Info : SB33-4-5RE
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Meth Date : 01-Jul-2010 13:46 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	11.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
* 1 1,4-Dichlorobenzene-d4	152	4.837	4.822	(1.000)	27336	2.00000		(a)
* 2 Naphthalene-d8	136	7.130	7.129	(1.000)	97561	2.00000		(a)
* 3 Acenaphthene-d10	164	10.750	10.757	(1.000)	59734	2.00000		(a)
* 4 Phenanthrene-d10	188	13.827	13.829	(1.000)	116595	2.00000		(a)
* 5 Chrysene-d12	240	19.450	19.454	(1.000)	96877	2.00000		(a)
* 6 Perylene-d12	264	22.282	22.287	(1.000)	80778	2.00000		(a)
$ 9 Nitrobenzene-d5	82	5.865	5.849	(0.823)	15339	0.48585	9.1	
$ 10 2-Fluorobiphenyl	172	9.424	9.428	(0.877)	20387	0.49522	9.3	
$ 12 Terphenyl-d14	244	17.323	17.326	(0.891)	29763	0.86309	16	
13 Naphthalene	128	7.169	7.160	(1.005)	7879	0.12647	2.4	(a)
15 2-Methylnaphthalene	141	Compound Not Detected.						
17 Acenaphthylene	152	Compound Not Detected.						
18 Acenaphthene	154	Compound Not Detected.						

Data File: /chem/5972hp70.i/DS100630A70.b/1005134-07RA70.d
Report Date: 01-Jul-2010 13:46

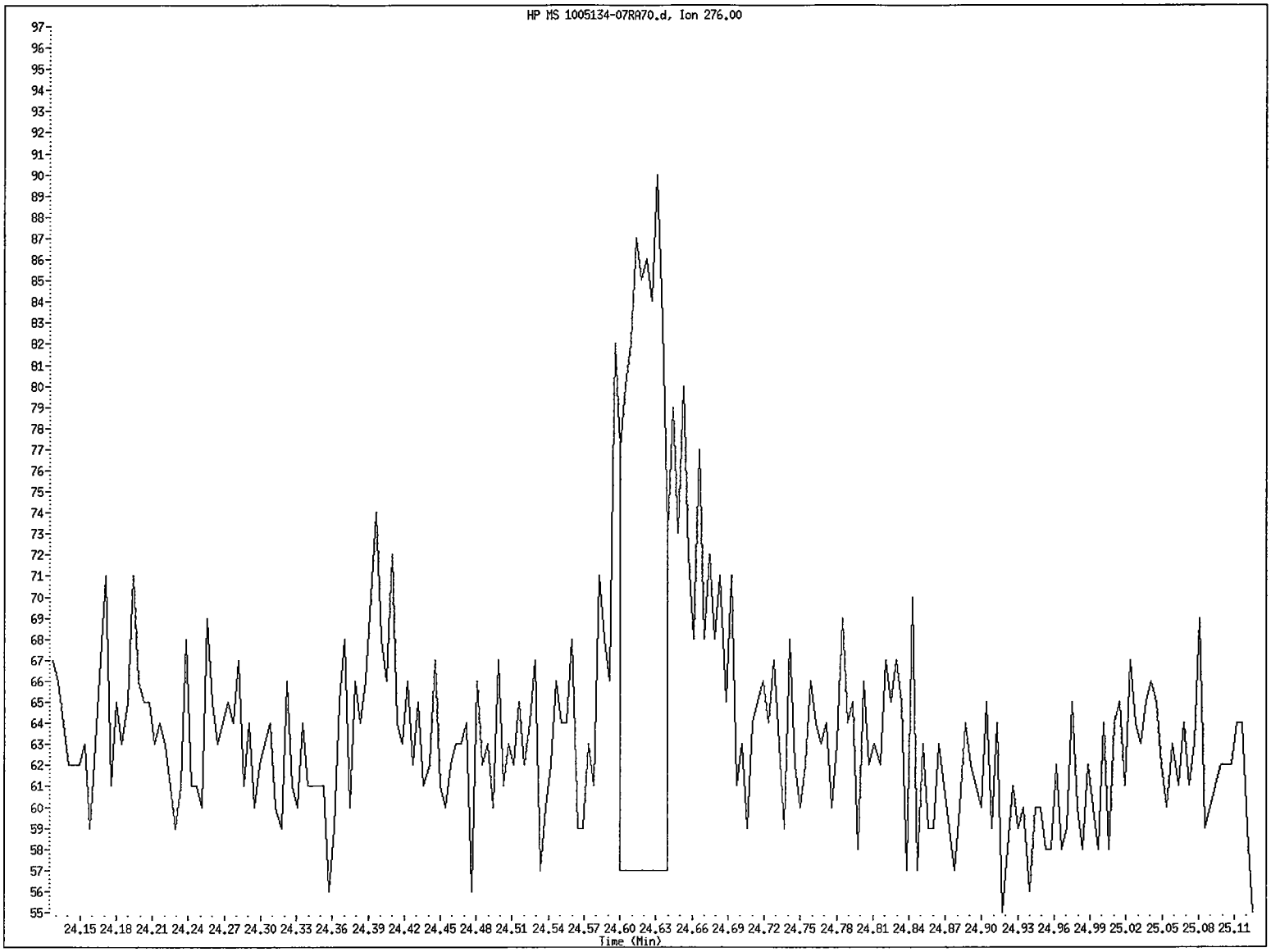
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	24.631	24.626	(1.105)	68	0.22764	4.3(aM)
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

2 7/1/10

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

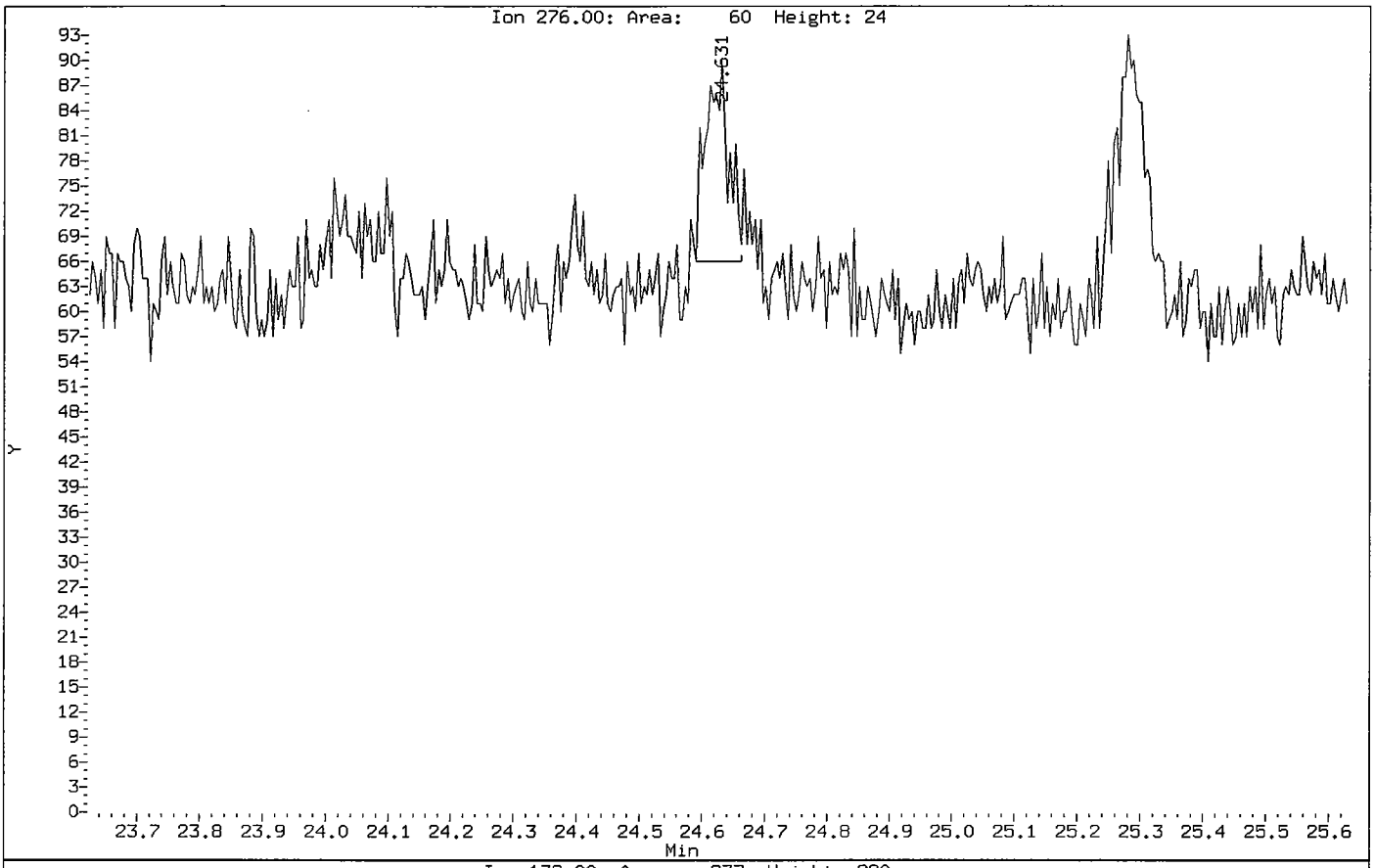
Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 68 Manually integrated

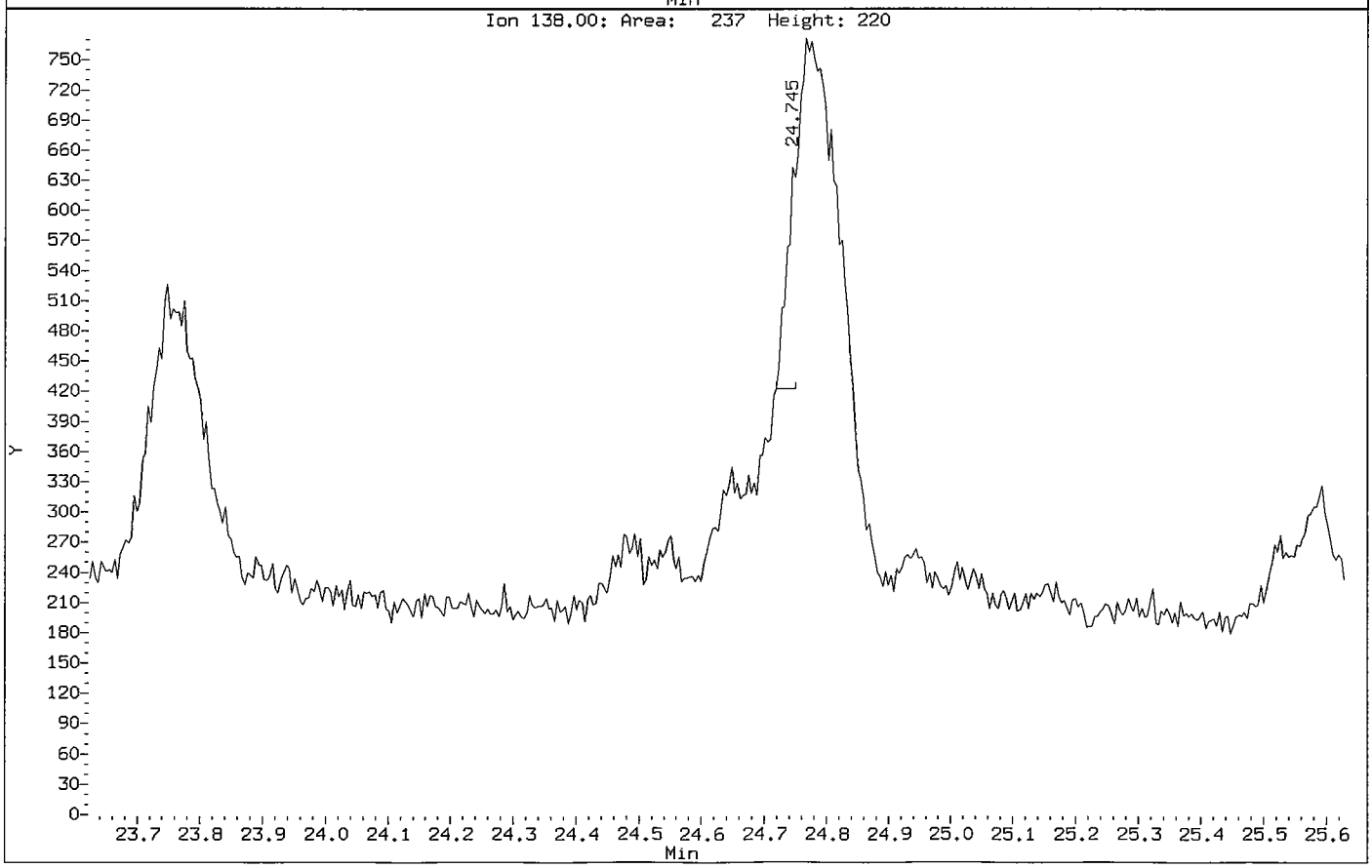


File name: /chem/5972hp70.i/DS100630A70.b/1005134-07RA70.d
Client ID: SB33-4-5RE
Instrument ID: 5972hp70.i
Injection Date and Time: 30-JUN-2010 21:26
Retention Time: 24.63
Operator ID: MEW

Data File: /chem/5972hp70.i/DS100630A70.b/1005134-07RA70.d
Injection Date: 30-JUN-2010 21:26
Instrument: 5972hp70.i
Client Sample ID: SB33-4-5RE

Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





Data File: /chem/5972hp70.i/DS100630A70.b/1005134-07RA70.d

Date : 30-JUN-2010 21:26

Client ID: SB33-4-5RE

Instrument: 5972hp70.i

Sample Info: 1005134-07RE1:MEW

Volume Injected (uL): 2.0

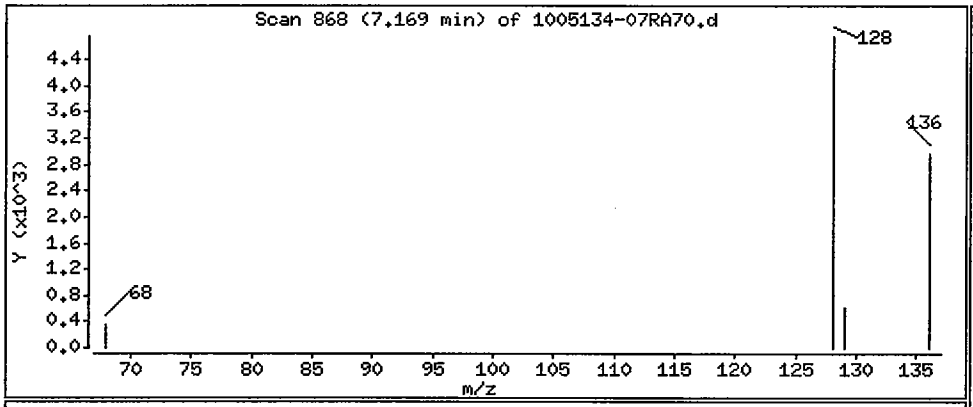
Operator: MEW

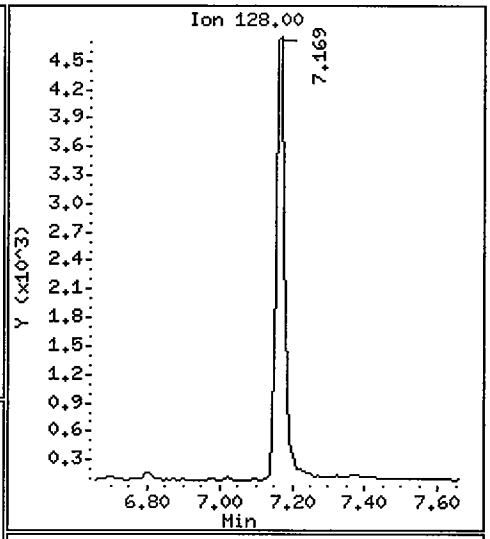
Column phase: Rtx-5MS

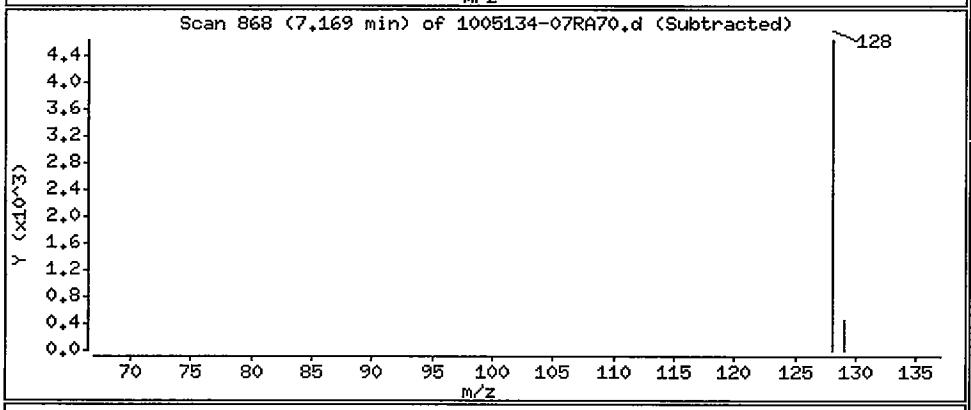
Column diameter: 0.32

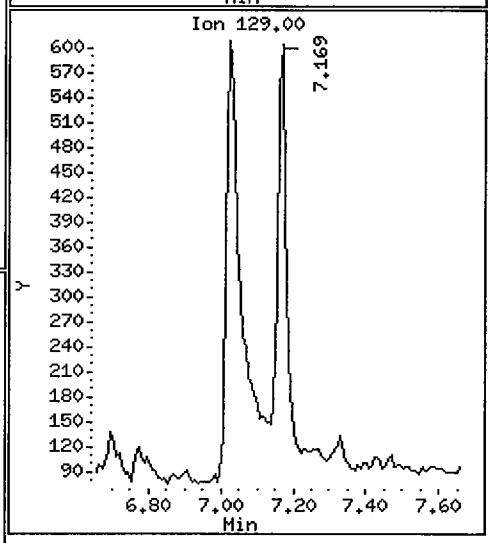
13 Naphthalene

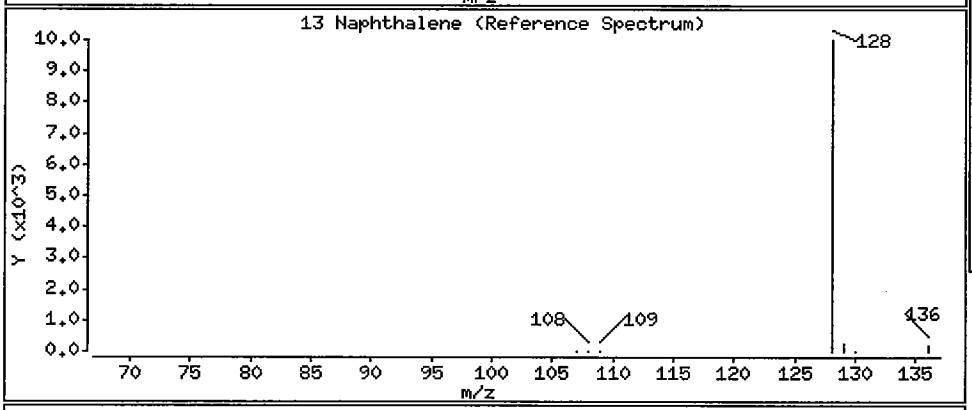
Concentration: 2.4 ug/Kg

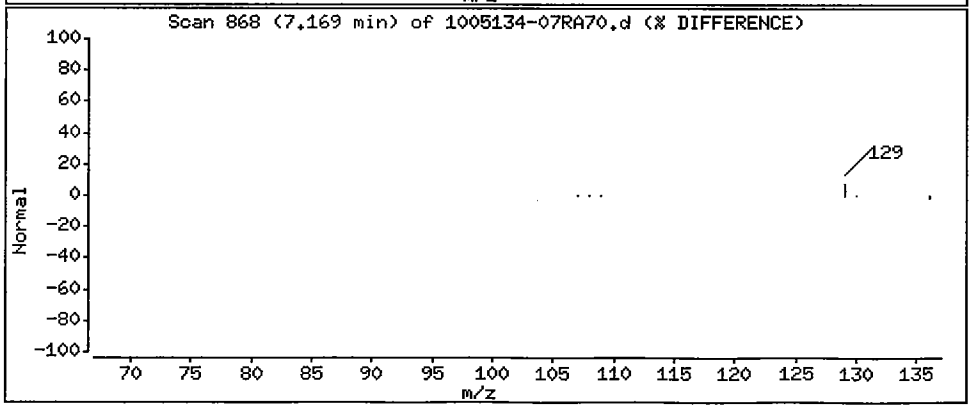












Data File: /chem/5972hp70.i/DS100630A70.b/1005134-07RA70.d

Date : 30-JUN-2010 21:26

Client ID: SB33-4-5RE

Instrument: 5972hp70.i

Sample Info: 1005134-07RE1:MEW

Volume Injected (uL): 2.0

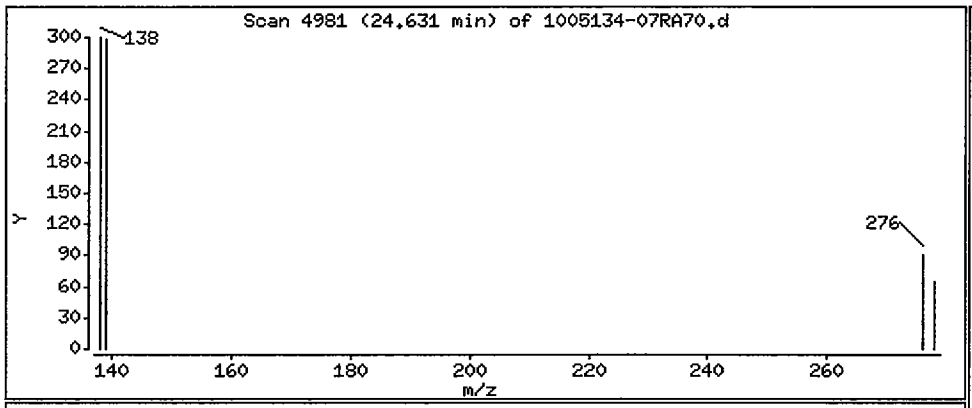
Operator: MEW

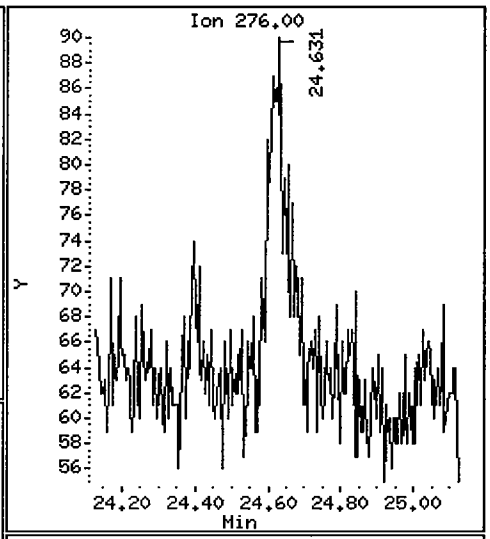
Column phase: Rtx-5MS

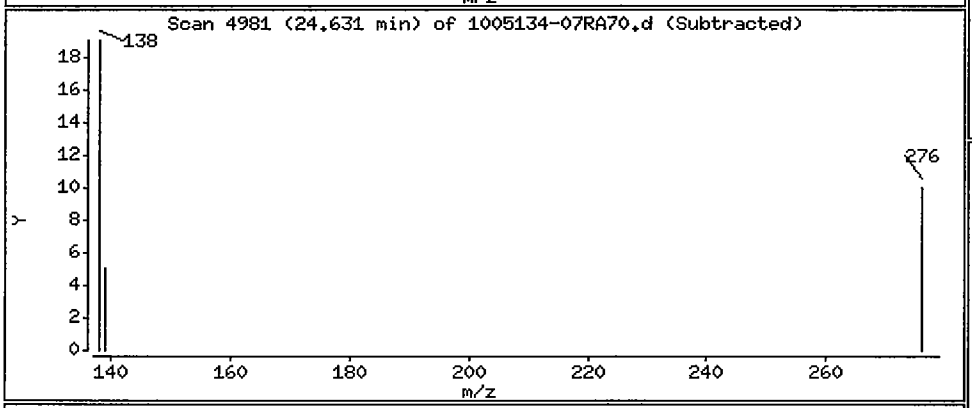
Column diameter: 0.32

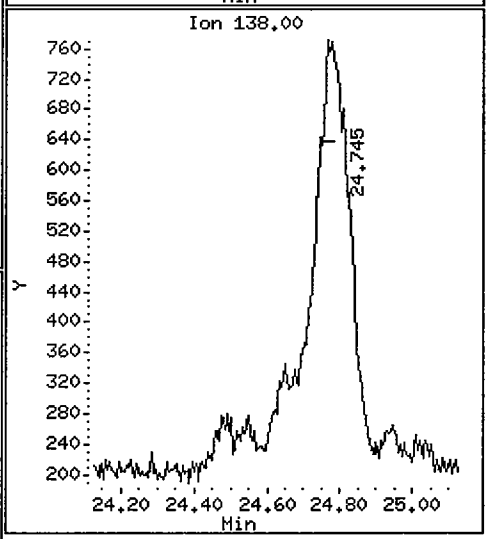
34 Indeno(1,2,3-cd)pyrene

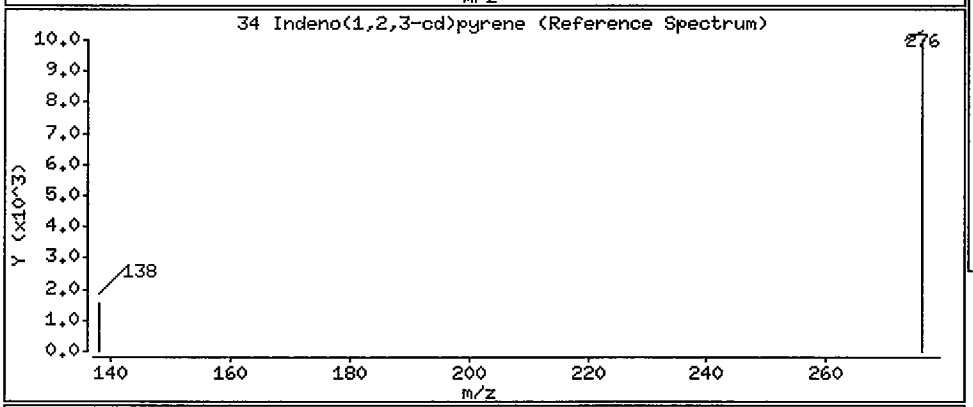
Concentration: 4.3 ug/Kg

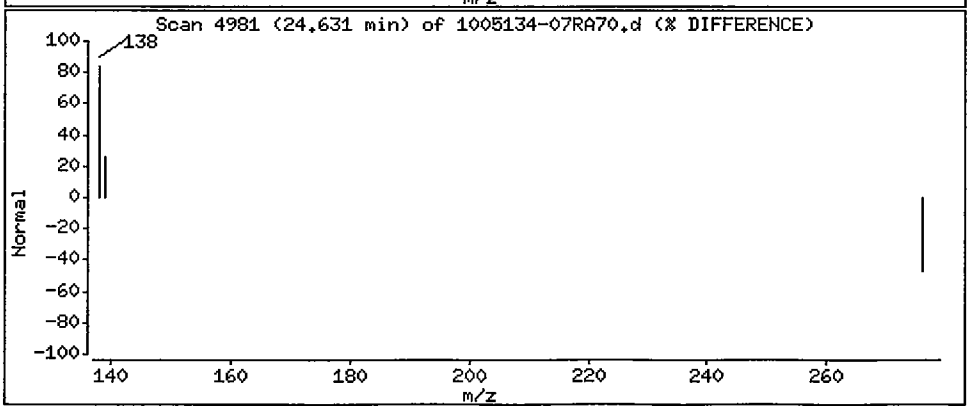












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB43-3-4

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005134-20
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005134-20JA70
Analyst: OWS

% Moisture: 7 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK2

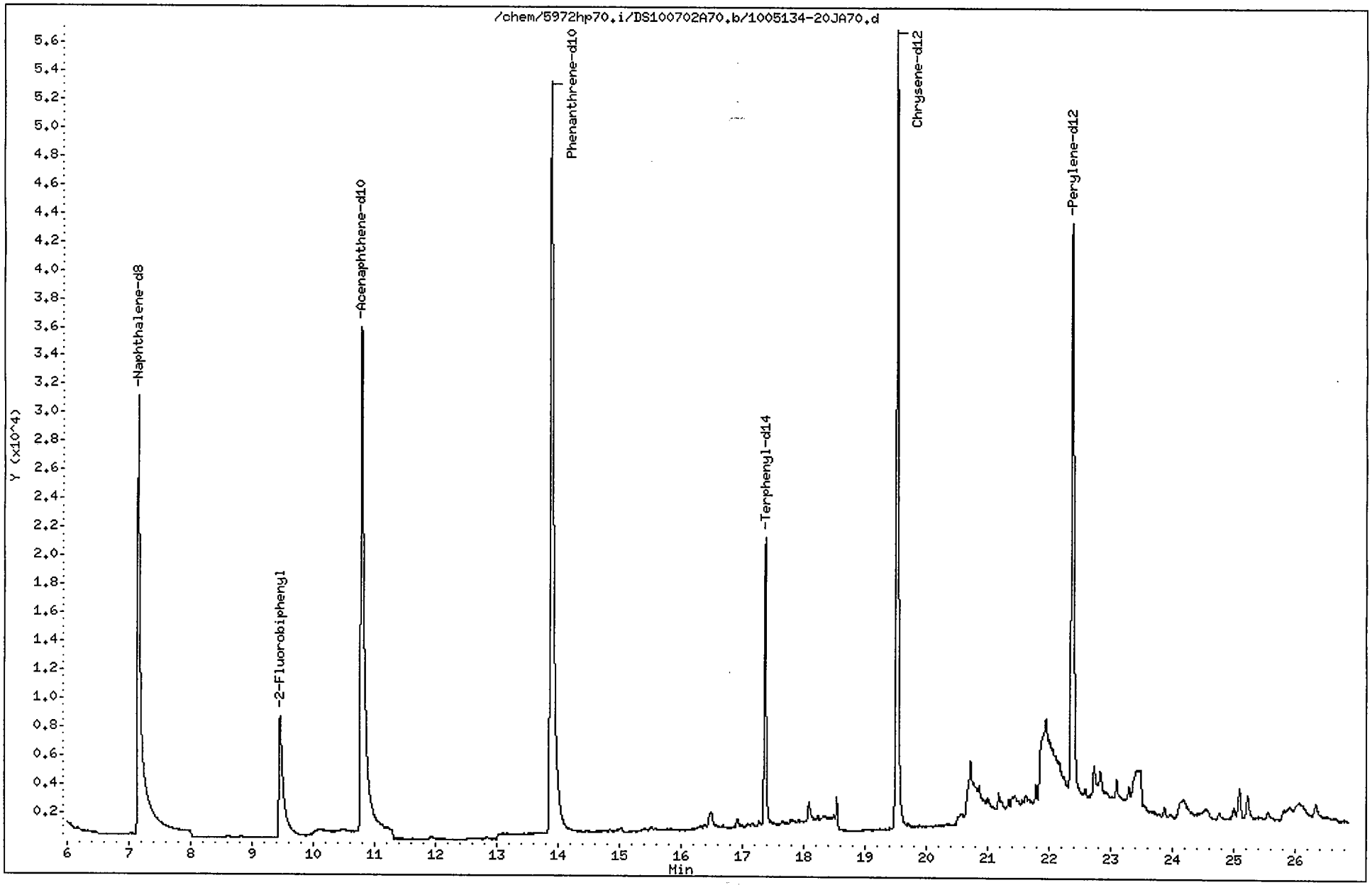
Date Extracted: 05/25/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.77	8.9	ND	U
91-57-6	2-Methylnaphthalene	0.73	8.9	ND	U
208-96-8	Acenaphthylene	0.57	8.9	ND	U
83-32-9	Acenaphthene	0.65	8.9	ND	U
86-73-7	Fluorene	0.48	8.9	ND	U
85-01-8	Phenanthrene	1.4	8.9	ND	U
120-12-7	Anthracene	0.47	8.9	ND	U
206-44-0	Fluoranthene	1.4	8.9	ND	U
129-00-0	Pyrene	0.61	8.9	ND	U
56-55-3	Benzo(a)anthracene	0.61	8.9	ND	U
218-01-9	Chrysene	0.68	8.9	ND	U
205-99-2	Benzo(b)fluoranthene	0.61	8.9	ND	U
207-08-9	Benzo(k)fluoranthene	0.47	8.9	ND	U
50-32-8	Benzo(a)pyrene	0.41	8.9	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.39	8.9	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.36	8.9	ND	U
191-24-2	Benzo(g,h,i)perylene	0.41	8.9	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp70.i/DS100702A70.b/1005134-20JA70.d
Date : 02-JUL-2010 18:12
Client ID: SB43-3-4
Sample Info: 1005134-20;MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100702A70.b/1005134-20JA70.d
Report Date: 06-Jul-2010 16:54

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100702A70.b/1005134-20JA70.d
Lab Smp Id: 1005134-20 Client Smp ID: SB43-3-4
Inj Date : 02-JUL-2010 18:12
Operator : OWS Inst ID: 5972hp70.i
Smp Info : 1005134-20:MEW
Misc Info : SB43-3-4
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100702A70.b/SIM_8270Cv3DOD.m
Meth Date : 06-Jul-2010 16:42 mead Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	7.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 1	1,4-Dichlorobenzene-d4	152	4.843	4.836	(1.000)	28450	2.00000	
* 2	Naphthalene-d8	136	7.154	7.153	(1.000)	116254	2.00000	
* 3	Acenaphthene-d10	164	10.784	10.790	(1.000)	74982	2.00000	
* 4	Phenanthrene-d10	188	13.885	13.885	(1.000)	146356	2.00000	
* 5	Chrysene-d12	240	19.516	19.516	(1.000)	104242	2.00000	
* 6	Perylene-d12	264	22.370	22.366	(1.000)	92860	2.00000	
$ 9	Nitrobenzene-d5	82	5.880	5.881	(0.822)	19096	0.50760	9.1
$ 10	2-Fluorobiphenyl	172	9.460	9.468	(0.877)	31977	0.61879	11
$ 12	Terphenyl-d14	244	17.371	17.371	(0.890)	32980	0.88881	16
13	Naphthalene	128	Compound Not Detected.					
15	2-Methylnaphthalene	141	Compound Not Detected.					
17	Acenaphthylene	152	Compound Not Detected.					
18	Acenaphthene	154	Compound Not Detected.					

pm 7/6/10

Data File: /chem/5972hp70.i/DS100702A70.b/1005134-20JA70.d
Report Date: 06-Jul-2010 16:54

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB43-3-4RE

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005134-20
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005134-20RB70
Analyst: TD

% Moisture: 7 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

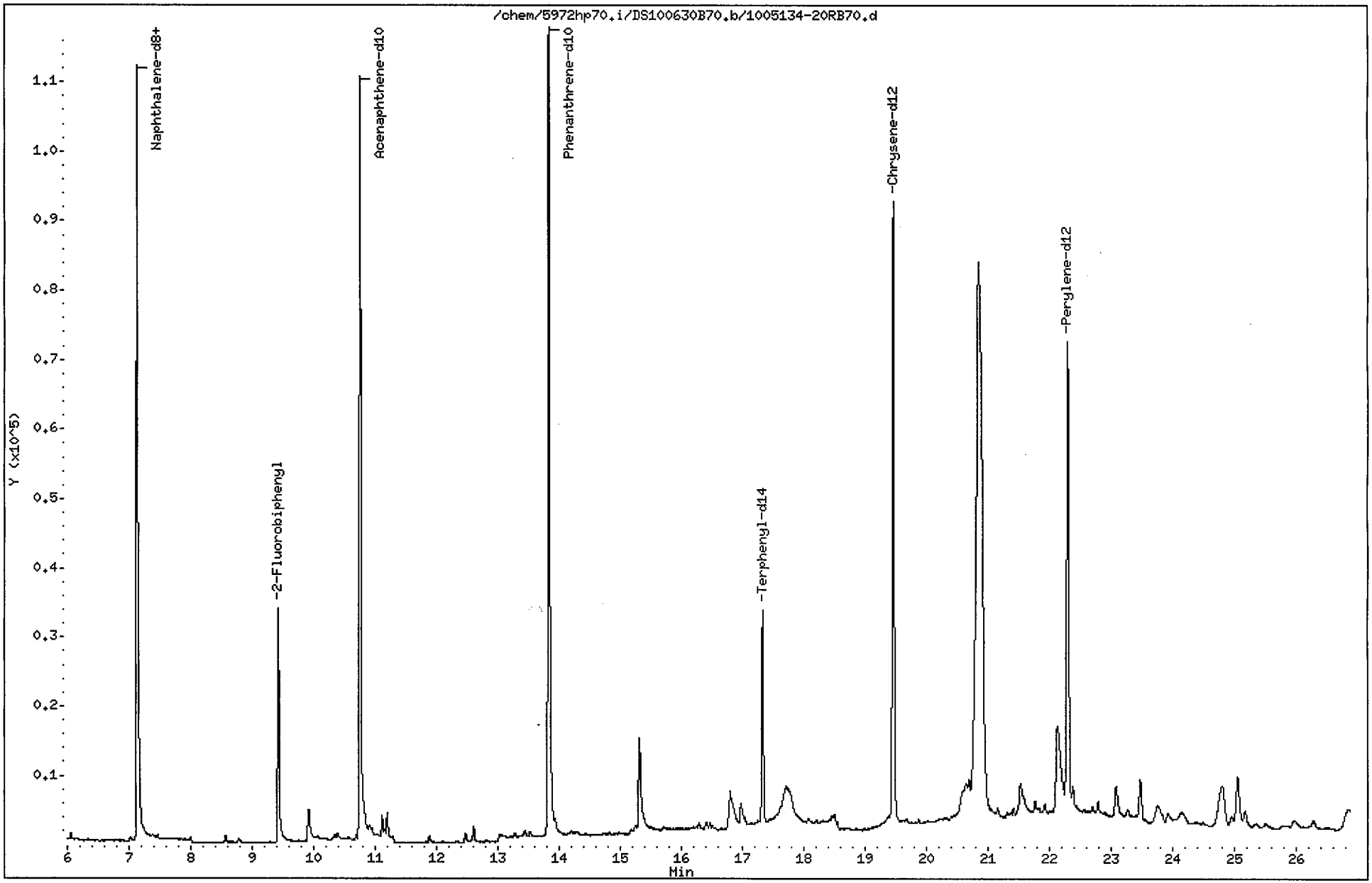
Date Extracted: 06/02/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.77	8.9	1.3	JB
91-57-6	2-Methylnaphthalene	0.73	8.9	ND	U
208-96-8	Acenaphthylene	0.57	8.9	ND	U
83-32-9	Acenaphthene	0.65	8.9	ND	U
86-73-7	Fluorene	0.48	8.9	ND	U
85-01-8	Phenanthrene	1.4	8.9	ND	U
120-12-7	Anthracene	0.47	8.9	ND	U
206-44-0	Fluoranthene	1.4	8.9	ND	U
129-00-0	Pyrene	0.61	8.9	ND	U
56-55-3	Benzo(a)anthracene	0.61	8.9	ND	U
218-01-9	Chrysene	0.68	8.9	ND	U
205-99-2	Benzo(b)fluoranthene	0.61	8.9	ND	U
207-08-9	Benzo(k)fluoranthene	0.47	8.9	ND	U
50-32-8	Benzo(a)pyrene	0.41	8.9	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.39	8.9	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.36	8.9	ND	U
191-24-2	Benzo(g,h,i)perylene	0.41	8.9	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp70.i/DS100630B70.b/1005134-20RB70.d
Date : 01-JUL-2010 06:46
Client ID: SB43-3-4RE
Sample Info: 1005134-20:TD
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: TD
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630B70.b/1005134-20RB70.d
Report Date: 02-Jul-2010 12:16

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630B70.b/1005134-20RB70.d
Lab Smp Id: 1005134-20 Client Smp ID: SB43-3-4RE
Inj Date : 01-JUL-2010 06:46
Operator : TD Inst ID: 5972hp70.i
Smp Info : 1005134-20:TD
Misc Info : SB43-3-4RE
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630B70.b/SIM_8270Cv3DOD.m
Meth Date : 02-Jul-2010 12:02 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	7.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 1	1,4-Dichlorobenzene-d4	152	4.841	4.823	(1.000)	45446	2.00000	
* 2	Naphthalene-d8	136	7.137	7.130	(1.000)	174330	2.00000	
* 3	Acenaphthene-d10	164	10.756	10.757	(1.000)	101290	2.00000	
* 4	Phenanthrene-d10	188	13.837	13.831	(1.000)	179194	2.00000	
* 5	Chrysene-d12	240	19.462	19.458	(1.000)	137383	2.00000	
* 6	Perylene-d12	264	22.300	22.295	(1.000)	132950	2.00000	(M)
$ 9	Nitrobenzene-d5	82	5.860	5.855	(0.821)	33618	0.59592	11
$ 10	2-Fluorobiphenyl	172	9.428	9.428	(0.877)	43915	0.62909	11
$ 12	Terphenyl-d14	244	17.332	17.331	(0.891)	41883	0.85646	15
13	Naphthalene	128	7.168	7.161	(1.004)	8021	0.07205	1.3 (aM)
15	2-Methylnaphthalene	141	Compound Not Detected.					
17	Acenaphthylene	152	Compound Not Detected.					
18	Acenaphthene	154	Compound Not Detected.					

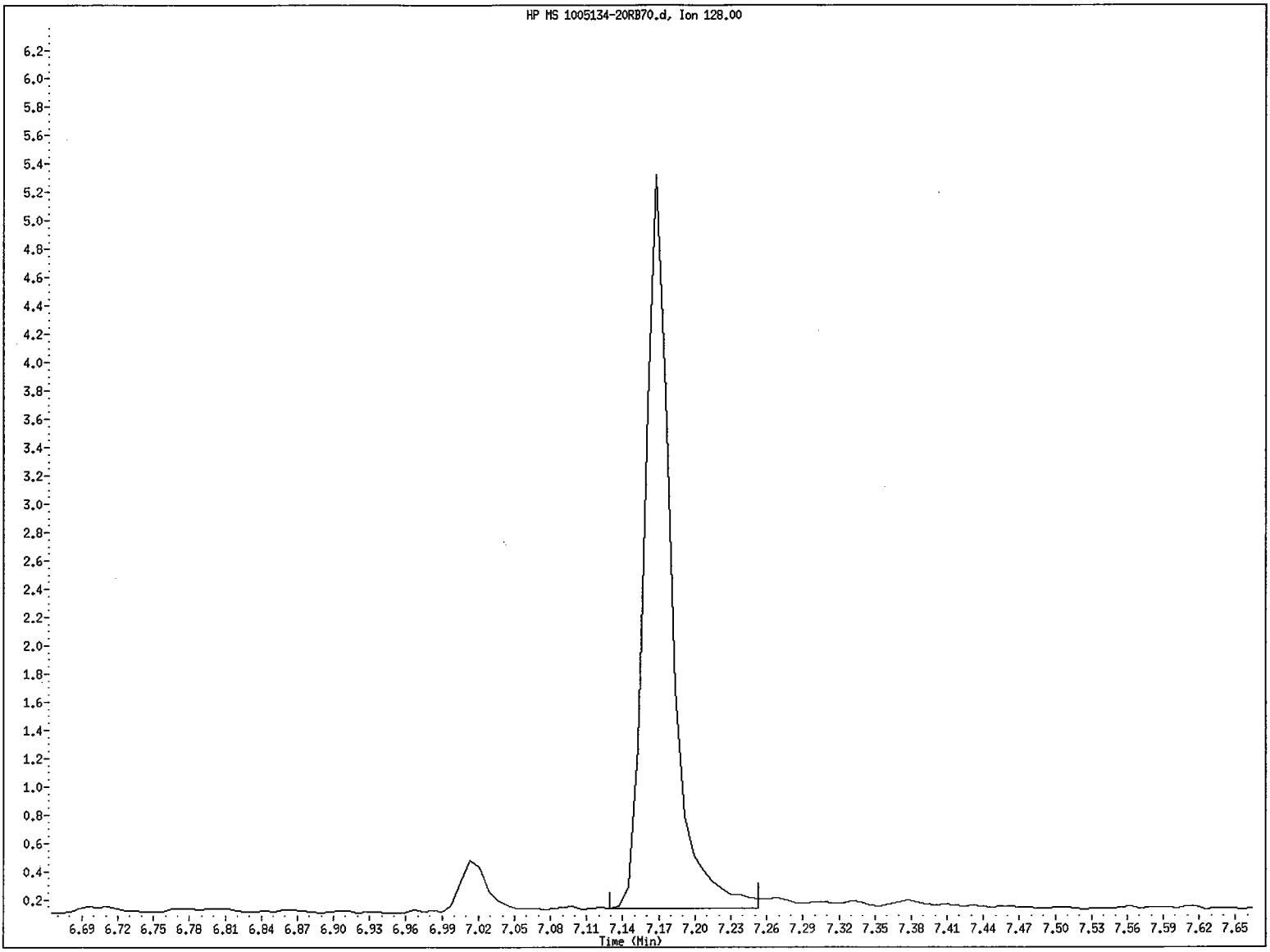
Data File: /chem/5972hp70.i/DS100630B70.b/1005134-20RB70.d
Report Date: 02-Jul-2010 12:16

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

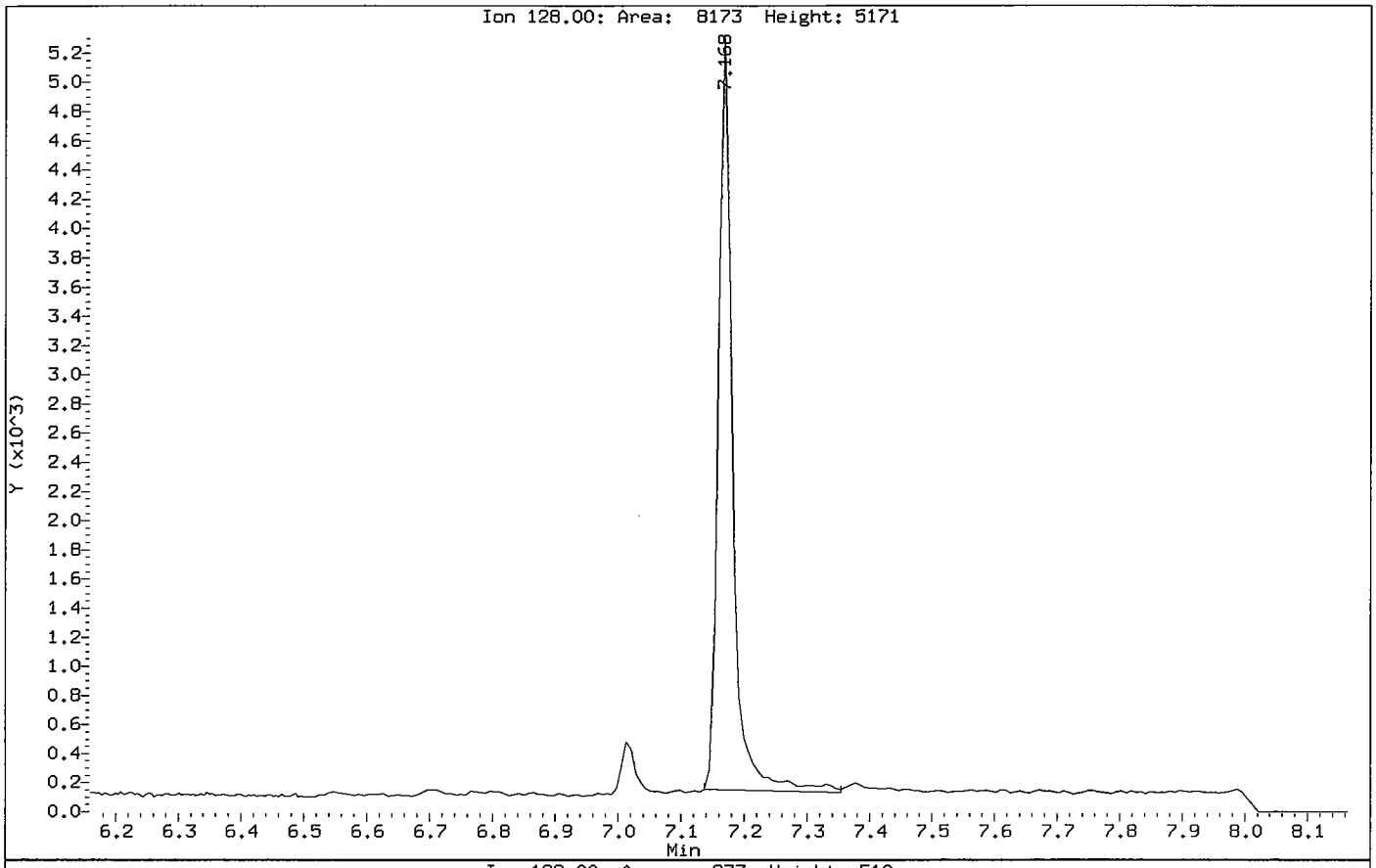
Naphthalene CAS Number 91-20-3 Area = 8021 Manually integrated

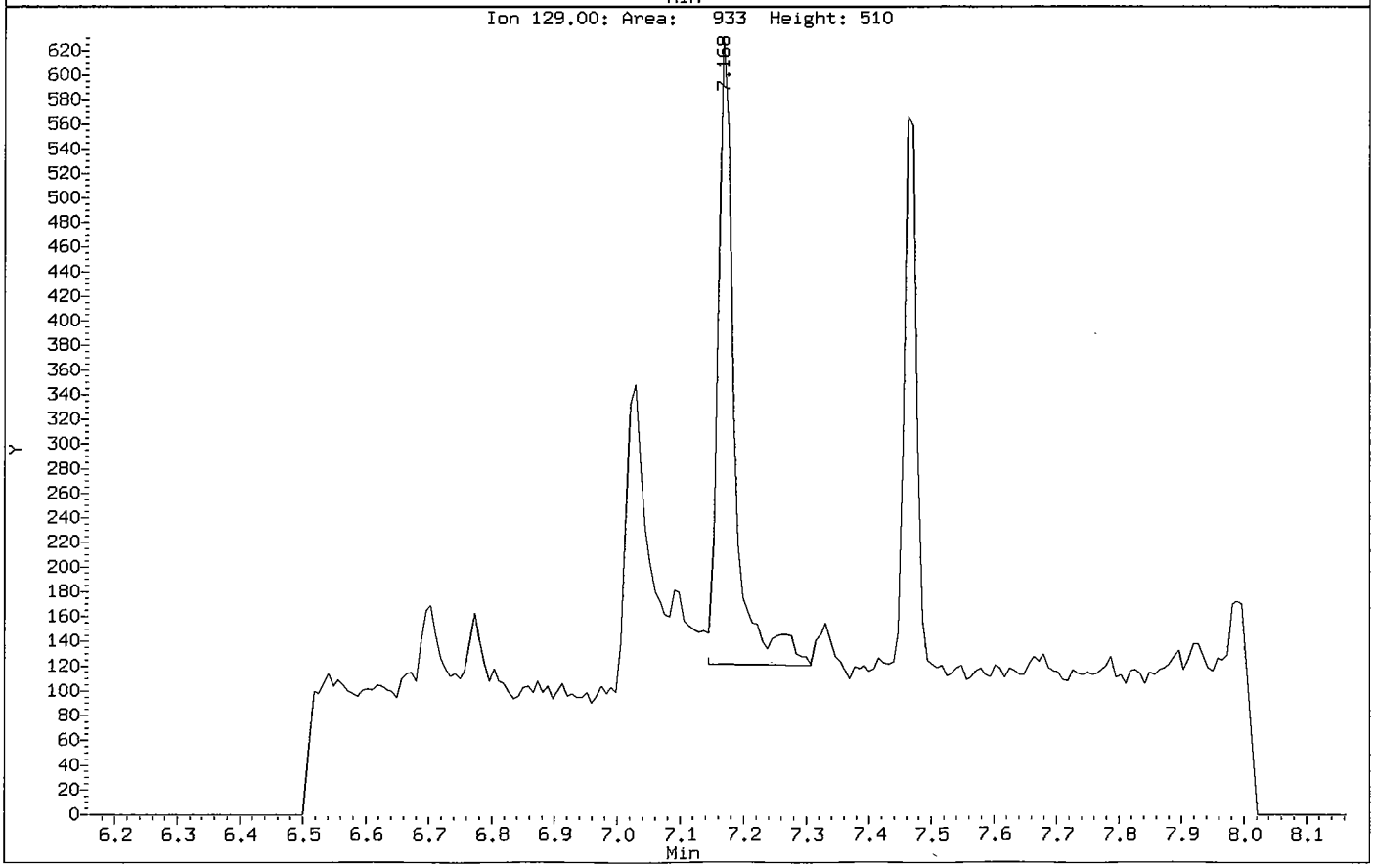


File name: /chem/5972hp70.i/DS100630B70.b/1005134-20RB70.d
Client ID: SB43-3-4RE
Instrument ID: 5972hp70.i
Injection Date and Time: 01-JUL-2010 06:46
Retention Time: 7.17
Operator ID: TD

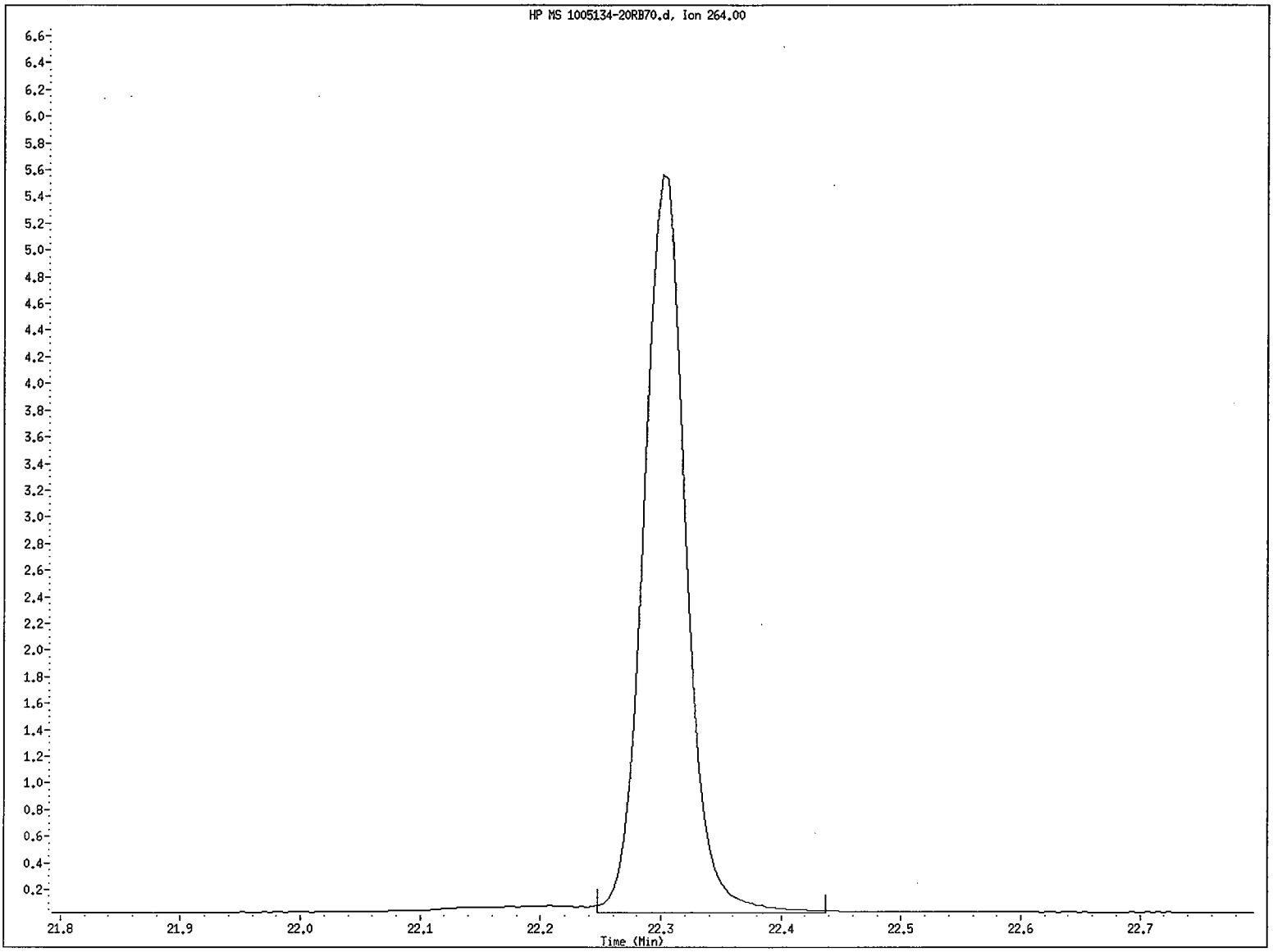
Data File: /chem/5972hp70.i/DS100630B70.b/1005134-20RB70.d
Injection Date: 01-JUL-2010 06:46
Instrument: 5972hp70.i
Client Sample ID: SB43-3-4RE

Compound: Naphthalene
CAS Number: 91-20-3





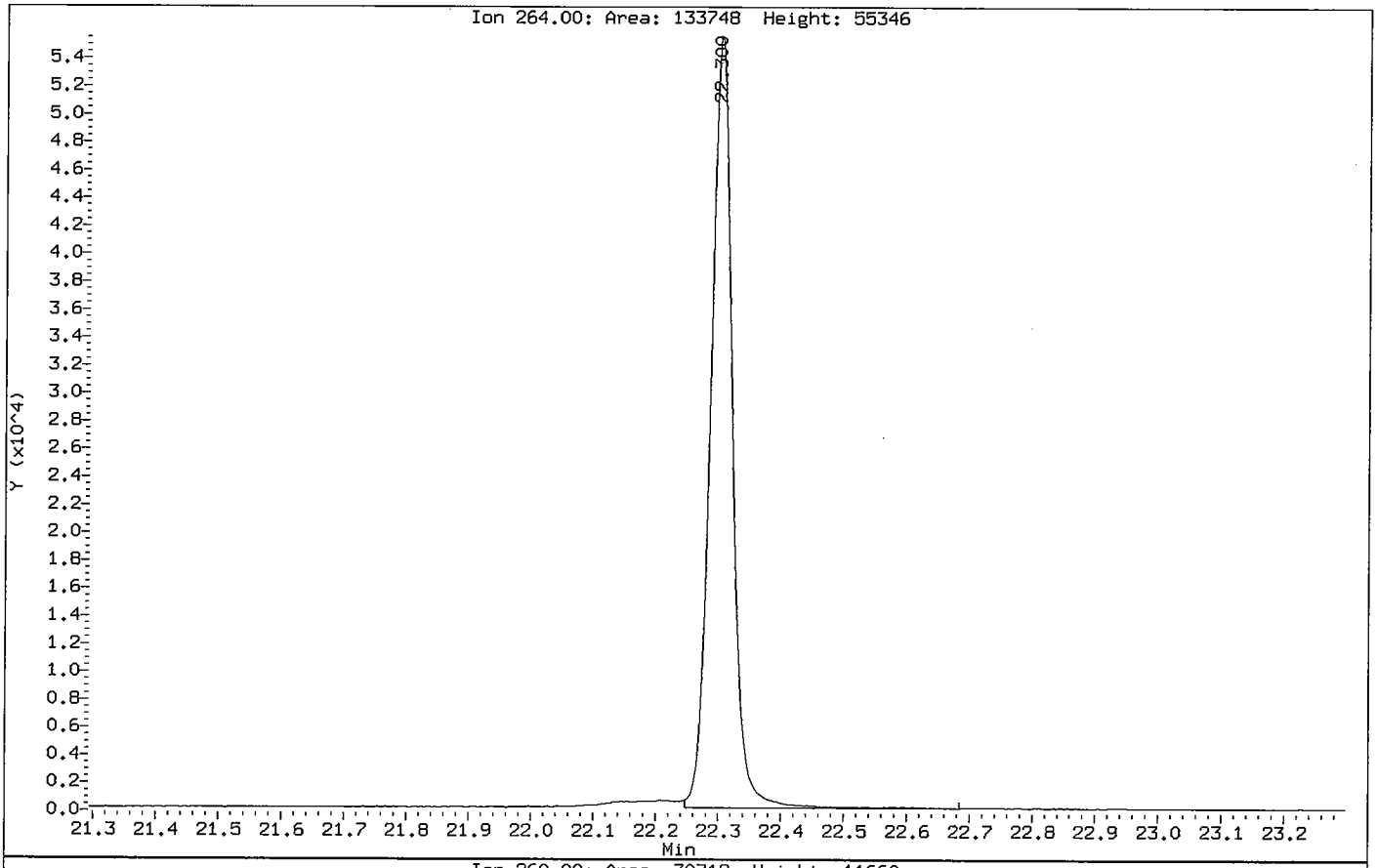
Perylene-d12 CAS Number 1520-96-3 Area = 132950 Manually integrated

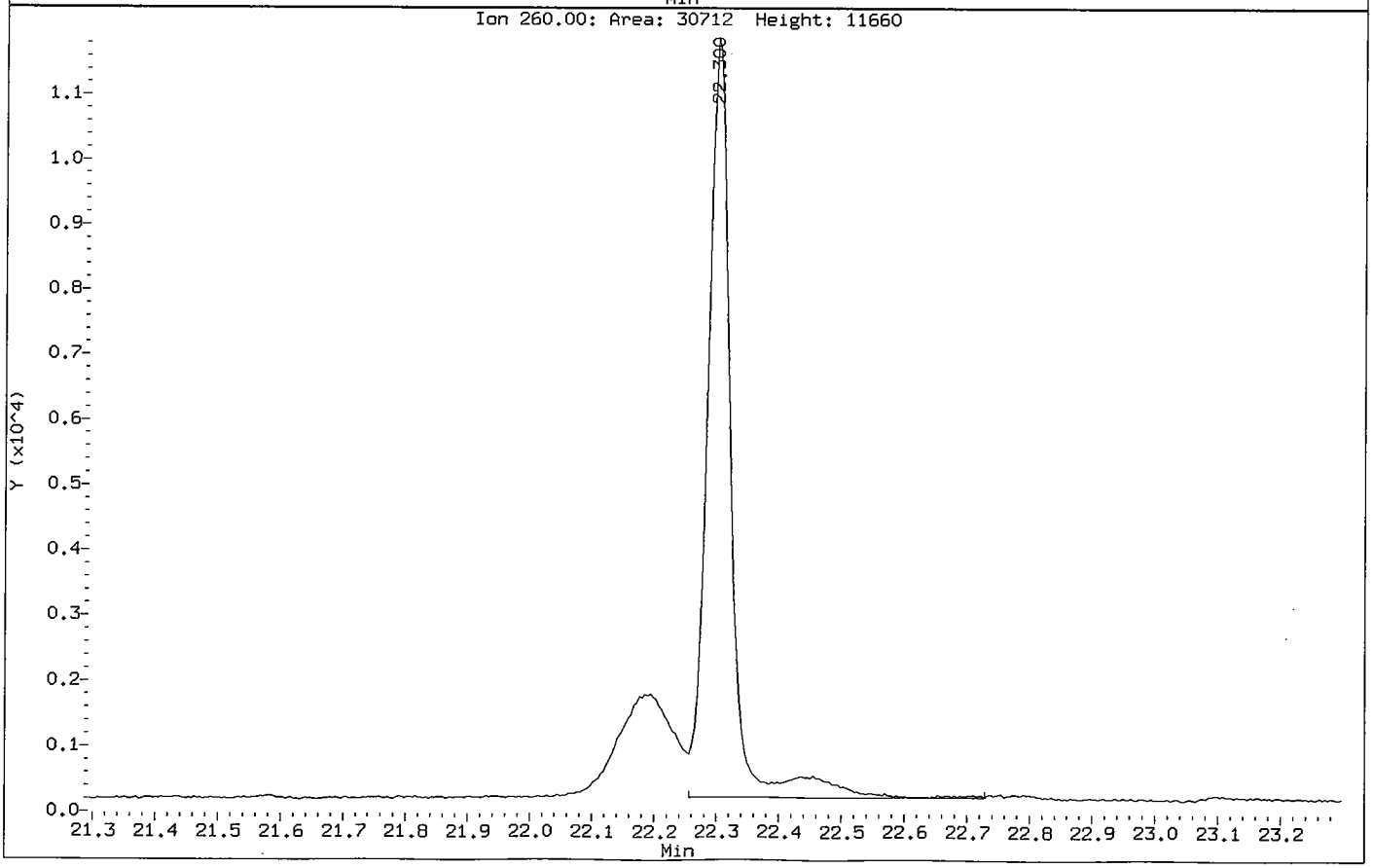


File name: /chem/5972hp70.i/DS100630B70.b/1005134-20RB70.d
Client ID: SB43-3-4RE
Instrument ID: 5972hp70.i
Injection Date and Time: 01-JUL-2010 06:46
Retention Time: 22.30
Operator ID: TD

Data File: /chem/5972hp70.i/DS100630B70.b/1005134-20RB70.d
Injection Date: 01-JUL-2010 06:46
Instrument: 5972hp70.i
Client Sample ID: SB43-3-4RE

Compound: Perylene-d12
CAS Number: 1520-96-3





Data File: /chem/5972hp70.i/DS100630B70.b/1005134-20RB70.d

Date : 01-JUL-2010 06:46

Client ID: SB43-3-4RE

Instrument: 5972hp70.i

Sample Info: 1005134-20:TD

Volume Injected (uL): 2.0

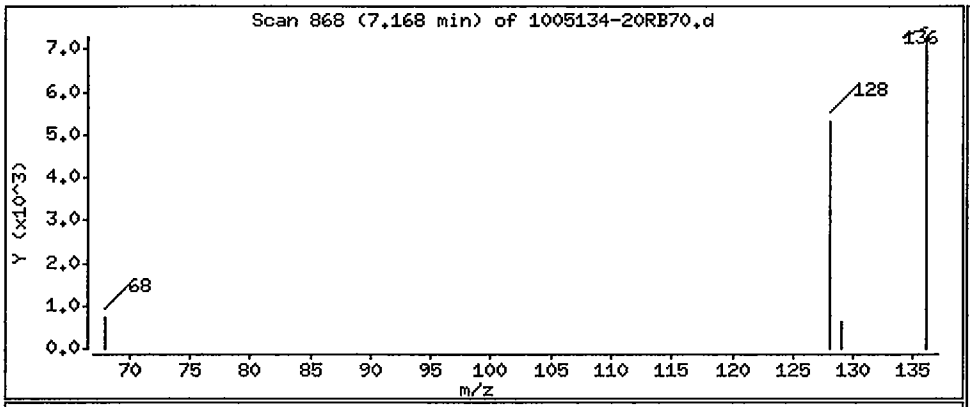
Operator: TD

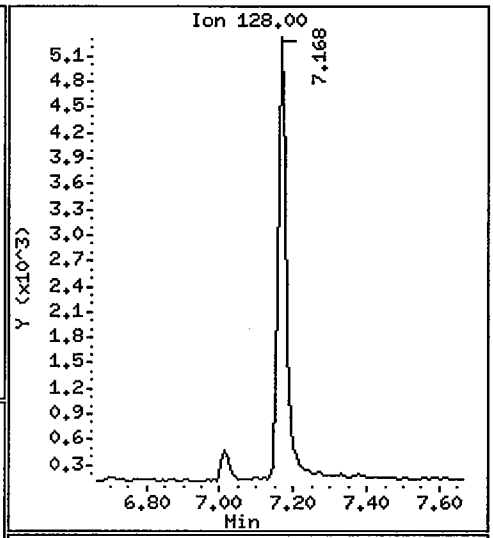
Column phase: Rtx-5MS

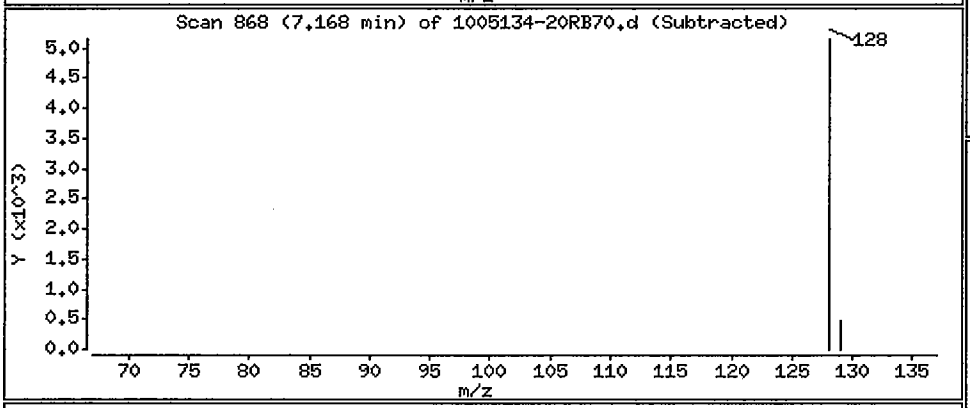
Column diameter: 0.32

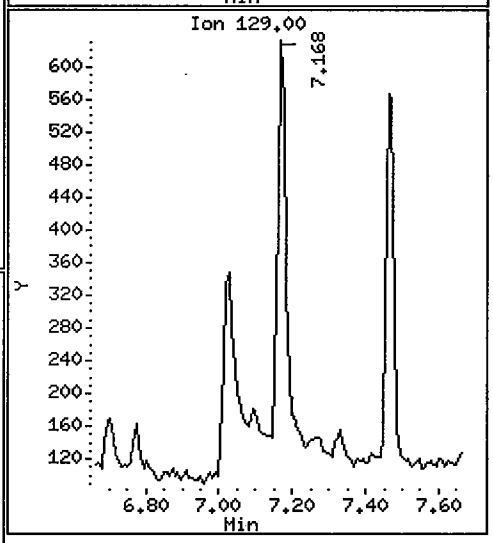
13 Naphthalene

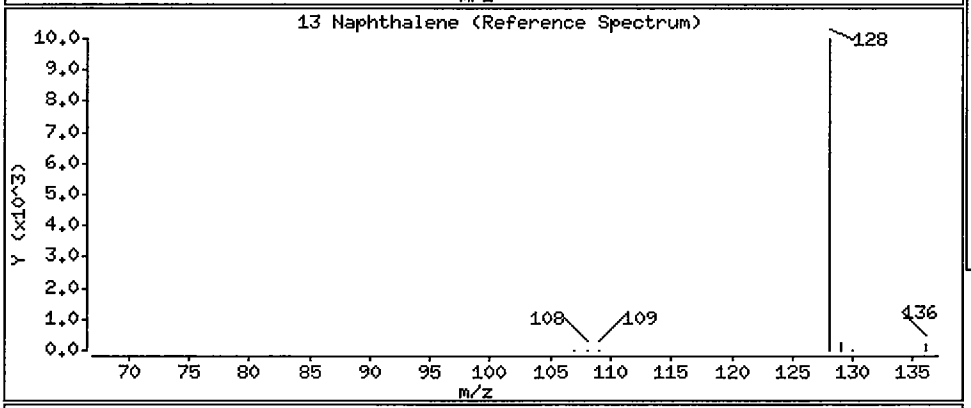
Concentration: 1.3 ug/Kg

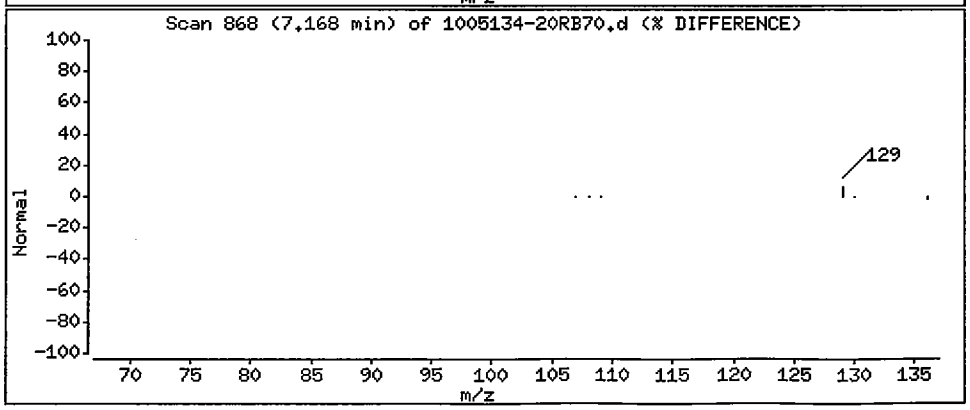












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB44-5-6

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005134-18
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005134-18A66
Analyst: 2650

% Moisture: 15 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK1

Date Extracted: 05/25/10
Date Analyzed: 06/01/10
Dilution Factor: 1.0

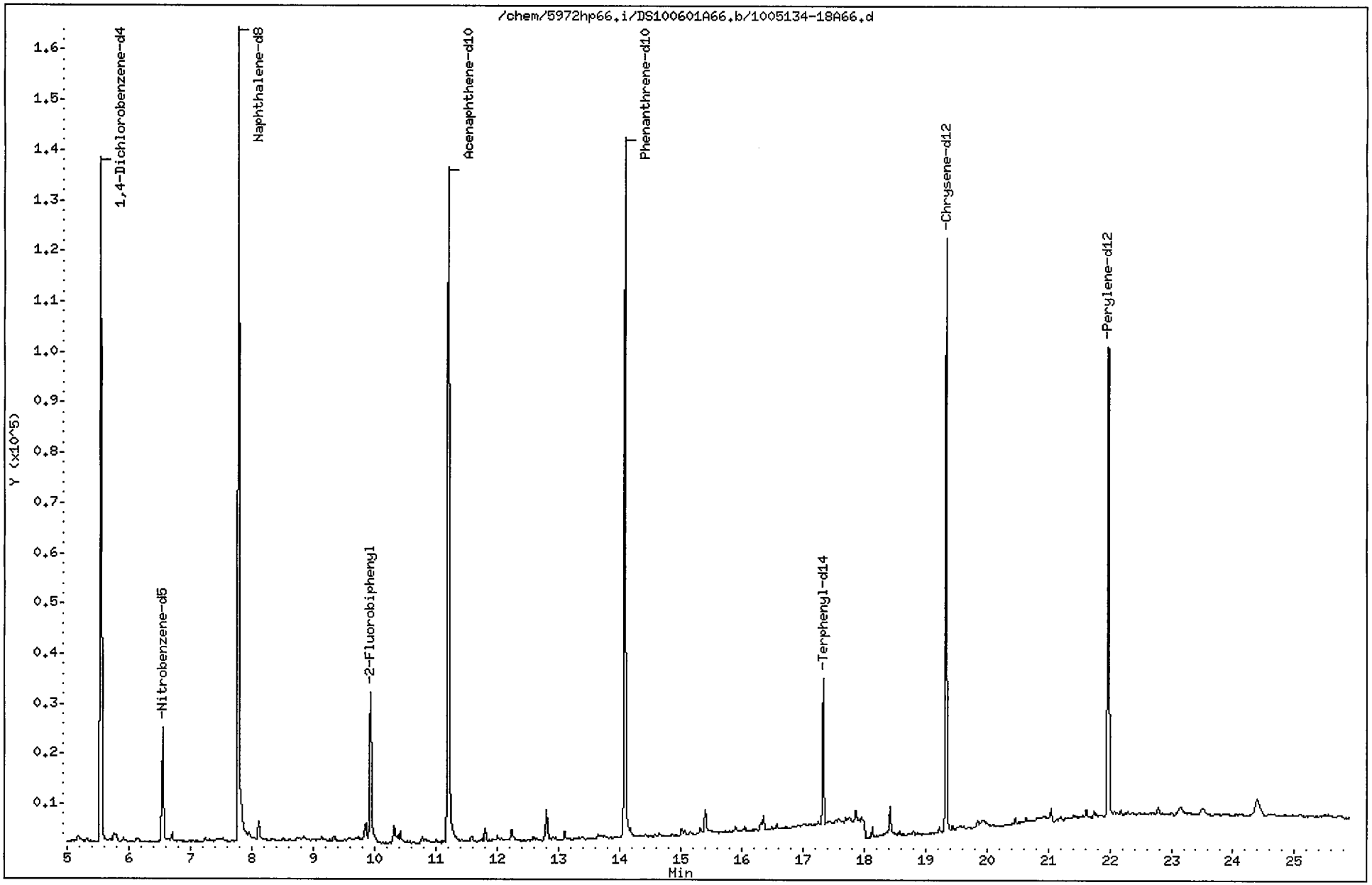
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.84	9.8	ND	U
91-57-6	2-Methylnaphthalene	0.80	9.8	ND	U
208-96-8	Acenaphthylene	0.63	9.8	ND	U
83-32-9	Acenaphthene	0.71	9.8	ND	U
86-73-7	Fluorene	0.53	9.8	ND	U
85-01-8	Phenanthrene	1.5	9.8	ND	U
120-12-7	Anthracene	0.51	9.8	ND	U
206-44-0	Fluoranthene	1.6	9.8	ND	U
129-00-0	Pyrene	0.67	9.8	ND	U
56-55-3	Benzo(a)anthracene	0.67	9.8	ND	U
218-01-9	Chrysene	0.75	9.8	ND	U
205-99-2	Benzo(b)fluoranthene	0.67	9.8	ND	U
207-08-9	Benzo(k)fluoranthene	0.51	9.8	ND	U
50-32-8	Benzo(a)pyrene	0.45	9.8	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.43	9.8	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.39	9.8	ND	U
191-24-2	Benzo(g,h,i)perylene	0.45	9.8	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp66.i/DS100601A66.b/1005134-18A66.d
Date : 01-JUN-2010 21:25
Client ID: SB44-5-6
Sample Info: 1005134-18:2650
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: 2650
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100601A66.b/1005134-18A66.d
Report Date: 11-Jun-2010 09:17

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100601A66.b/1005134-18A66.d
Lab Smp Id: 1005134-18 Client Smp ID: SB44-5-6
Inj Date : 01-JUN-2010 21:25
Operator : 2650 Inst ID: 5972hp66.i
Smp Info : 1005134-18:2650
Misc Info : SB44-5-6
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100601A66.b/SIM_8270Cv2DOD.m
Meth Date : 11-Jun-2010 08:59 perry Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	15.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
* 1 1,4-Dichlorobenzene-d4	152	5.545	5.531	(1.000)	77938	2.00000		(a)
* 2 Naphthalene-d8	136	7.787	7.773	(1.000)	249084	2.00000		(a)
* 3 Acenaphthene-d10	164	11.204	11.192	(1.000)	115707	2.00000		(a)
* 4 Phenanthrene-d10	188	14.088	14.074	(1.000)	200744	2.00000		(a)
* 5 Chrysene-d12	240	19.336	19.328	(1.000)	159882	2.00000		(a)
* 6 Perylene-d12	264	21.983	21.960	(1.000)	141222	2.00000		(a)
$ 9 Nitrobenzene-d5	82	6.548	6.534	(0.841)	26538	0.47880	9.4	
$ 10 2-Fluorobiphenyl	172	9.937	9.923	(0.887)	40626	0.33647	6.6	(R)
$ 12 Terphenyl-d14	244	17.334	17.320	(0.896)	35742	0.61527	12	
13 Naphthalene	128	Compound Not Detected.						
15 2-Methylnaphthalene	141	Compound Not Detected.						
17 Acenaphthylene	152	Compound Not Detected.						
18 Acenaphthene	154	Compound Not Detected.						

TM 6/11/10

Data File: /chem/5972hp66.i/DS100601A66.b/1005134-18A66.d
Report Date: 11-Jun-2010 09:17

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

TAP 6/11/10

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB44-5-6RE

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005134-18RE1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005134-18RA70
Analyst: MEW

% Moisture: 15 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

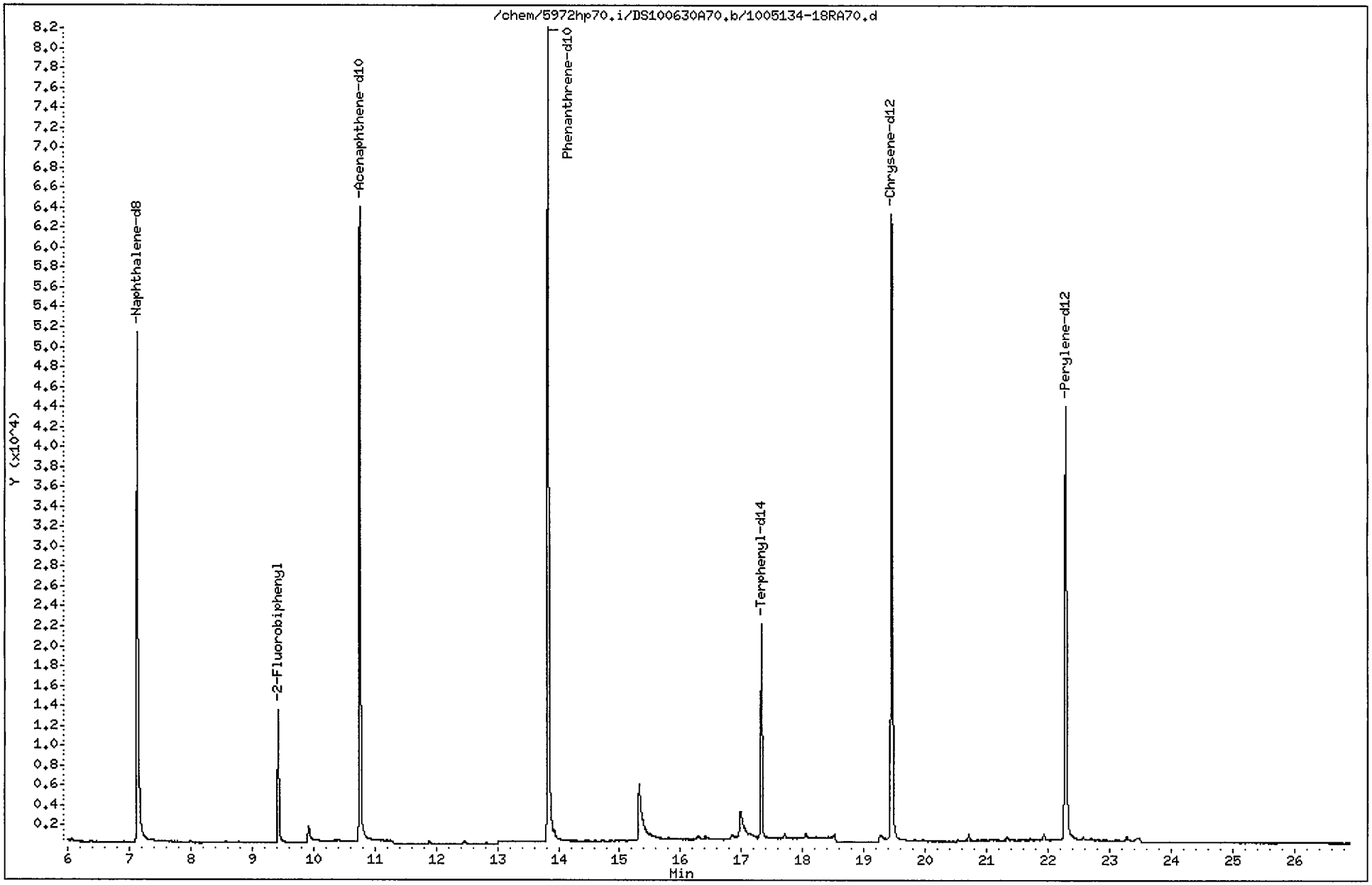
Date Extracted: 06/02/10
Date Analyzed: 06/30/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.84	9.8	ND	U
91-57-6	2-Methylnaphthalene	0.80	9.8	ND	U
208-96-8	Acenaphthylene	0.63	9.8	ND	U
83-32-9	Acenaphthene	0.71	9.8	ND	U
86-73-7	Fluorene	0.53	9.8	ND	U
85-01-8	Phenanthrene	1.5	9.8	ND	U
120-12-7	Anthracene	0.51	9.8	ND	U
206-44-0	Fluoranthene	1.6	9.8	ND	U
129-00-0	Pyrene	0.67	9.8	ND	U
56-55-3	Benzo(a)anthracene	0.67	9.8	ND	U
218-01-9	Chrysene	0.75	9.8	ND	U
205-99-2	Benzo(b)fluoranthene	0.67	9.8	ND	U
207-08-9	Benzo(k)fluoranthene	0.51	9.8	ND	U
50-32-8	Benzo(a)pyrene	0.45	9.8	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.43	9.8	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.39	9.8	ND	U
191-24-2	Benzo(g,h,i)perylene	0.45	9.8	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp70.i/DS100630A70.b/1005134-18RA70.d
Date : 30-JUN-2010 19:04
Client ID: SB44-5-6RE
Sample Info: 1005134-18RE1:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630A70.b/1005134-18RA70.d
Report Date: 01-Jul-2010 13:46

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630A70.b/1005134-18RA70.d
Lab Smp Id: 1005134-18RE1 Client Smp ID: SB44-5-6RE
Inj Date : 30-JUN-2010 19:04
Operator : MEW Inst ID: 5972hp70.i
Smp Info : 1005134-18RE1:MEW
Misc Info : SB44-5-6RE
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Meth Date : 01-Jul-2010 13:46 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	15.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
* 1 1,4-Dichlorobenzene-d4	152	4.839	4.822	(1.000)	22570	2.00000		(a)
* 2 Naphthalene-d8	136	7.138	7.129	(1.000)	80998	2.00000		(a)
* 3 Acenaphthene-d10	164	10.756	10.757	(1.000)	51074	2.00000		(a)
* 4 Phenanthrene-d10	188	13.827	13.829	(1.000)	106457	2.00000		(a)
* 5 Chrysene-d12	240	19.450	19.454	(1.000)	86810	2.00000		(a)
* 6 Perylene-d12	264	22.283	22.287	(1.000)	78227	2.00000		(a)
$ 9 Nitrobenzene-d5	82	5.871	5.849	(0.823)	10099	0.38529	7.6	
$ 10 2-Fluorobiphenyl	172	9.428	9.428	(0.877)	15715	0.44646	8.8	(R)
$ 12 Terphenyl-d14	244	17.326	17.326	(0.891)	26495	0.85743	17	
13 Naphthalene	128	Compound Not Detected.						
15 2-Methylnaphthalene	141	Compound Not Detected.						
17 Acenaphthylene	152	Compound Not Detected.						
18 Acenaphthene	154	Compound Not Detected.						

Data File: /chem/5972hp70.i/DS100630A70.b/1005134-18RA70.d
Report Date: 01-Jul-2010 13:46

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB50-1-2

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/18/10

Lab Sample ID: 1005134-14
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005134-14B70
Analyst: TD

% Moisture: 16 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK2

Date Extracted: 05/25/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

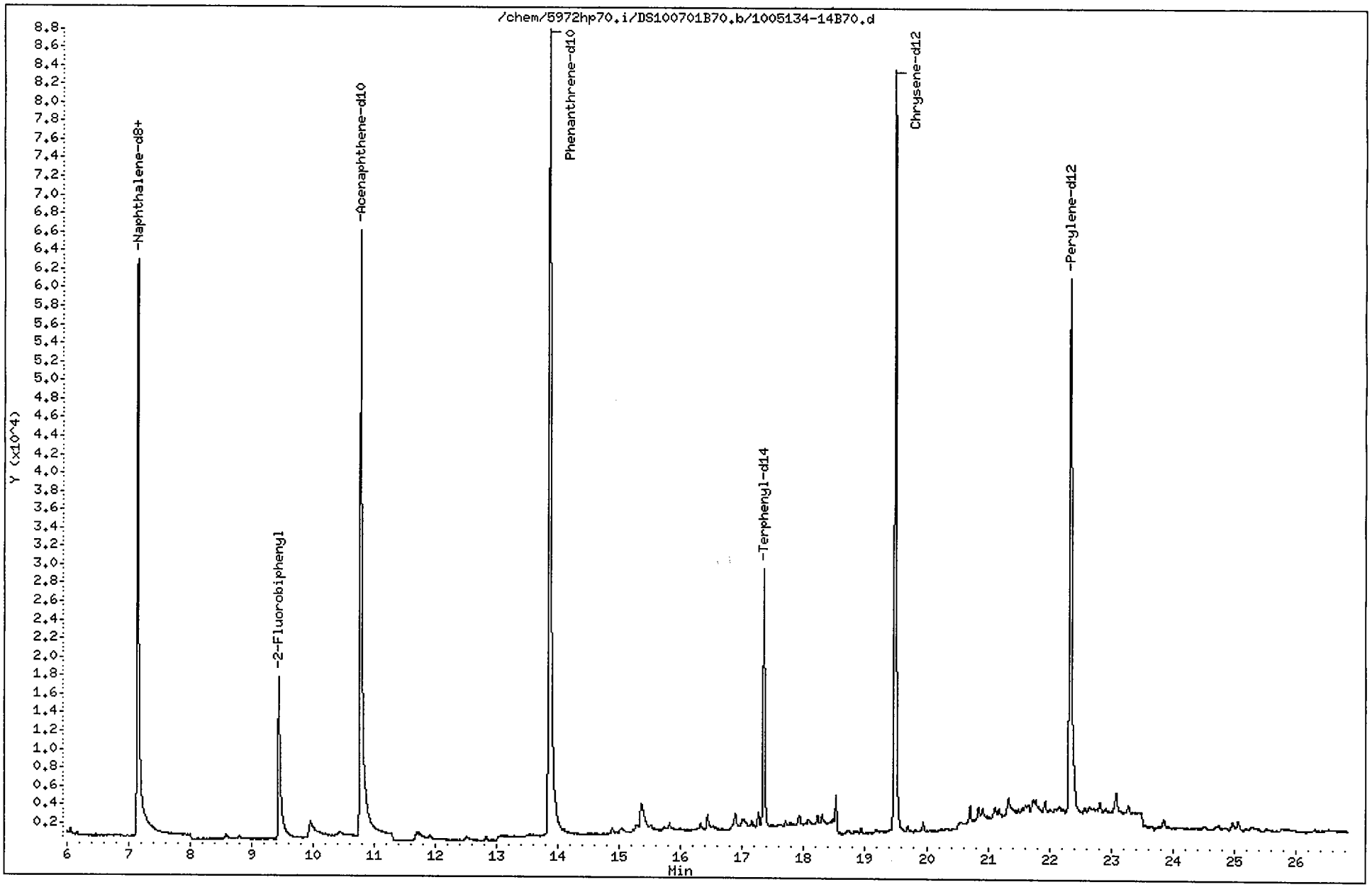
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.85	9.9	0.88	JB
91-57-6	2-Methylnaphthalene	0.81	9.9	ND	U
208-96-8	Acenaphthylene	0.63	9.9	ND	U
83-32-9	Acenaphthene	0.71	9.9	ND	U
86-73-7	Fluorene	0.54	9.9	ND	U
85-01-8	Phenanthrene	1.6	9.9	ND	U
120-12-7	Anthracene	0.52	9.9	ND	U
206-44-0	Fluoranthene	1.6	9.9	ND	U
129-00-0	Pyrene	0.67	9.9	ND	U
56-55-3	Benzo(a)anthracene	0.67	9.9	ND	U
218-01-9	Chrysene	0.75	9.9	ND	U
205-99-2	Benzo(b)fluoranthene	0.67	9.9	ND	U
207-08-9	Benzo(k)fluoranthene	0.52	9.9	ND	U
50-32-8	Benzo(a)pyrene	0.46	9.9	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.44	9.9	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.40	9.9	ND	U
191-24-2	Benzo(g,h,i)perylene	0.46	9.9	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100701B70.b/1005134-14B70.d
Date : 02-JUL-2010 01:23
Client ID: SB50-1-2
Sample Info: 1005134-14:TD
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: TD
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701B70.b/1005134-14B70.d
Report Date: 06-Jul-2010 16:23

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701B70.b/1005134-14B70.d
Lab Smp Id: 1005134-14 Client Smp ID: SB50-1-2
Inj Date : 02-JUL-2010 01:23
Operator : TD Inst ID: 5972hp70.i
Smp Info : 1005134-14:TD
Misc Info : SB50-1-2
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701B70.b/SIM_8270Cv3DOD.m
Meth Date : 06-Jul-2010 15:50 mead Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	16.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
*	1 1,4-Dichlorobenzene-d4	152	4.845	4.848	(1.000)	36813	2.00000	
*	2 Naphthalene-d8	136	7.145	7.162	(1.000)	139040	2.00000	
*	3 Acenaphthene-d10	164	10.770	10.784	(1.000)	89754	2.00000	
*	4 Phenanthrene-d10	188	13.856	13.872	(1.000)	182560	2.00000	
*	5 Chrysene-d12	240	19.489	19.499	(1.000)	133006	2.00000	
*	6 Perylene-d12	264	22.336	22.344	(1.000)	120550	2.00000	
$	9 Nitrobenzene-d5	82	5.868	5.880	(0.821)	27545	0.61219	12
$	10 2-Fluorobiphenyl	172	9.437	9.460	(0.876)	37524	0.60662	12
$	12 Terphenyl-d14	244	17.348	17.362	(0.890)	39718	0.83892	17
	13 Naphthalene	128	7.176	7.193	(1.004)	3952	0.04451	0.88(a)
	15 2-Methylnaphthalene	141	Compound Not Detected.					
	17 Acenaphthylene	152	Compound Not Detected.					
	18 Acenaphthene	154	Compound Not Detected.					

pm 7/6/10

Data File: /chem/5972hp70.i/DS100701B70.b/1005134-14B70.d
Report Date: 06-Jul-2010 16:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /chem/5972hp70.i/DS100701B70.b/1005134-14B70.d

Date : 02-JUL-2010 01:23

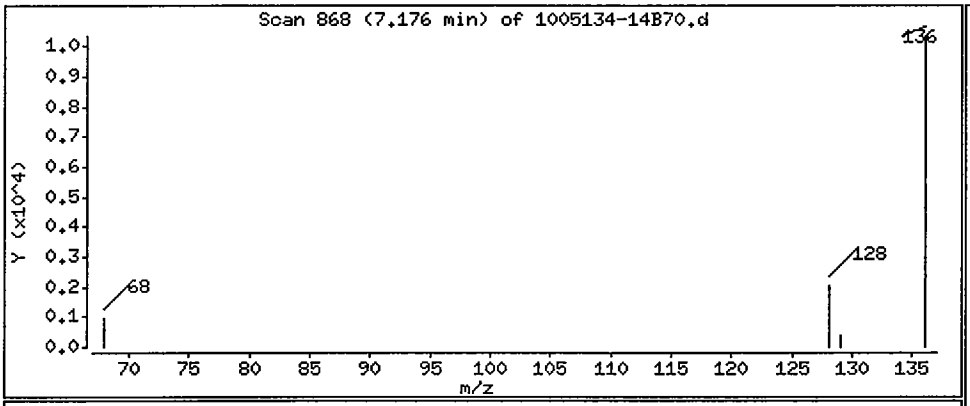
Client ID: SB50-1-2 Instrument: 5972hp70.i

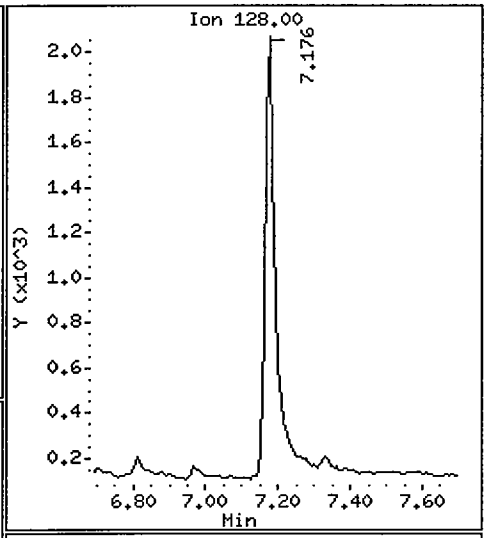
Sample Info: 1005134-14:TD

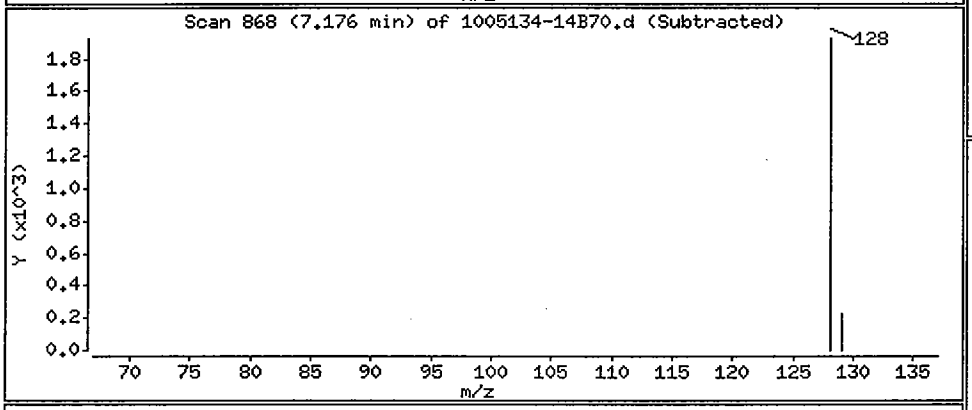
Volume Injected (uL): 2.0 Operator: TD

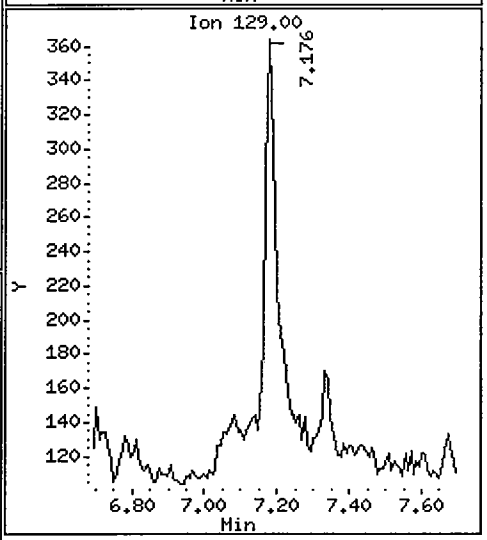
Column phase: Rtx-5MS Column diameter: 0.32

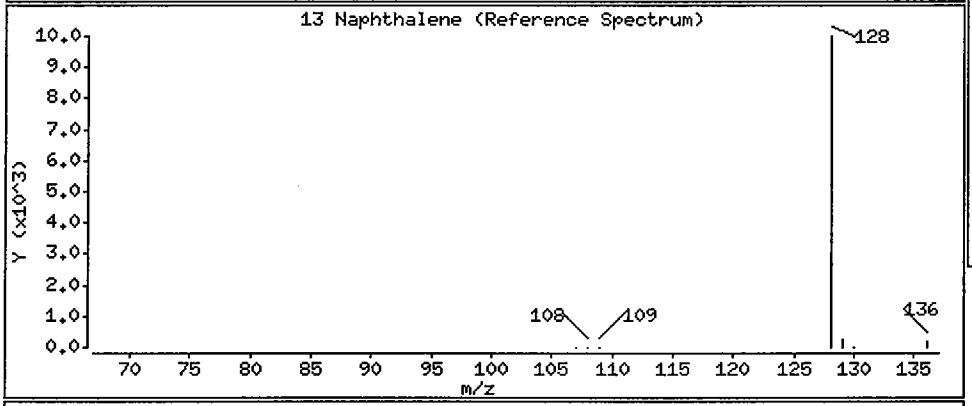
13 Naphthalene Concentration: 0.88 ug/Kg

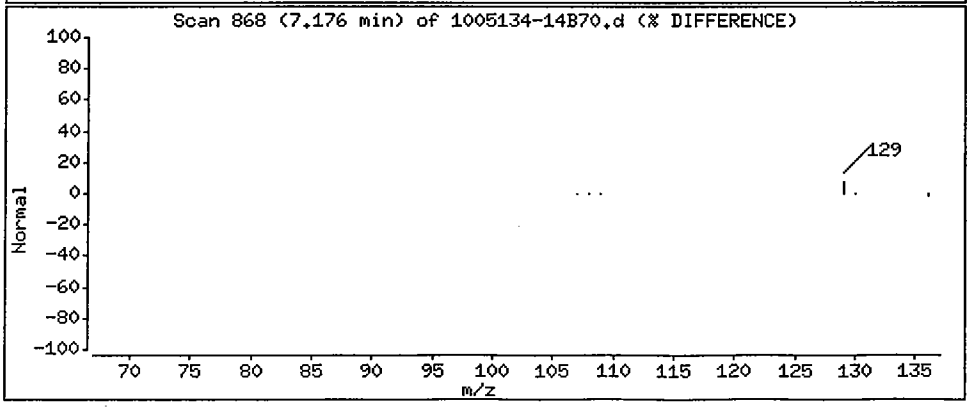












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB50-1-2RE

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/18/10

Lab Sample ID: 1005134-14RE1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005134-14RB70
Analyst: TD

% Moisture: 16 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

Date Extracted: 06/02/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

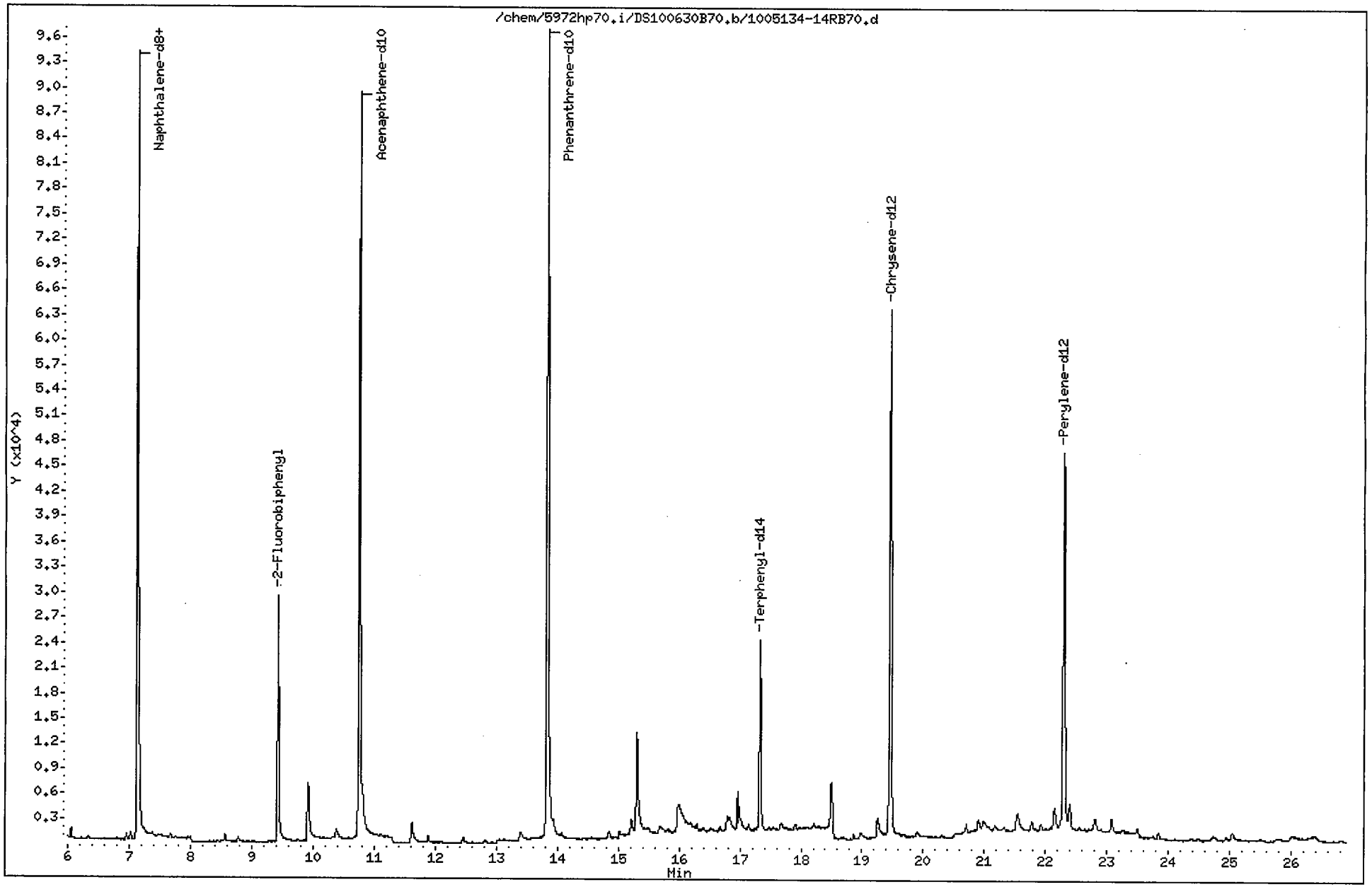
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.85	9.9	1.8	JB
91-57-6	2-Methylnaphthalene	0.81	9.9	ND	U
208-96-8	Acenaphthylene	0.63	9.9	ND	U
83-32-9	Acenaphthene	0.71	9.9	ND	U
86-73-7	Fluorene	0.54	9.9	ND	U
85-01-8	Phenanthrene	1.6	9.9	ND	U
120-12-7	Anthracene	0.52	9.9	ND	U
206-44-0	Fluoranthene	1.6	9.9	ND	U
129-00-0	Pyrene	0.67	9.9	ND	U
56-55-3	Benzo(a)anthracene	0.67	9.9	ND	U
218-01-9	Chrysene	0.75	9.9	ND	U
205-99-2	Benzo(b)fluoranthene	0.67	9.9	ND	U
207-08-9	Benzo(k)fluoranthene	0.52	9.9	ND	U
50-32-8	Benzo(a)pyrene	0.46	9.9	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.44	9.9	4.6	J
53-70-3	Dibenzo(a,h)anthracene	0.40	9.9	ND	U
191-24-2	Benzo(g,h,i)perylene	0.46	9.9	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100630B70.b/1005134-14RB70.d
Date : 01-JUL-2010 03:48
Client ID: SB50-1-2RE
Sample Info: 1005134-14:TD
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: TD
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630B70.b/1005134-14RB70.d
Report Date: 02-Jul-2010 12:16

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630B70.b/1005134-14RB70.d
Lab Smp Id: 1005134-14 Client Smp ID: SB50-1-2RE
Inj Date : 01-JUL-2010 03:48
Operator : TD Inst ID: 5972hp70.i
Smp Info : 1005134-14:TD
Misc Info : SB50-1-2RE
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630B70.b/SIM_8270Cv3DOD.m
Meth Date : 02-Jul-2010 12:02 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	16.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	4.836	4.823	(1.000)	38158	2.00000	
* 2 Naphthalene-d8	136	7.130	7.130	(1.000)	143170	2.00000	
* 3 Acenaphthene-d10	164	10.757	10.757	(1.000)	85544	2.00000	
* 4 Phenanthrene-d10	188	13.829	13.831	(1.000)	142496	2.00000	
* 5 Chrysene-d12	240	19.458	19.458	(1.000)	95973	2.00000	
* 6 Perylene-d12	264	22.292	22.295	(1.000)	86212	2.00000	
$ 9 Nitrobenzene-d5	82	5.859	5.855	(0.822)	28173	0.60809	12
$ 10 2-Fluorobiphenyl	172	9.424	9.428	(0.876)	36983	0.62730	12
$ 12 Terphenyl-d14	244	17.326	17.331	(0.890)	30025	0.87889	17
13 Naphthalene	128	7.168	7.161	(1.005)	8139	0.08902	1.8(a)
15 2-Methylnaphthalene	141	Compound Not Detected.					
17 Acenaphthylene	152	Compound Not Detected.					
18 Acenaphthene	154	Compound Not Detected.					

Data File: /chem/5972hp70.i/DS100630B70.b/1005134-14RB70.d
Report Date: 02-Jul-2010 12:16

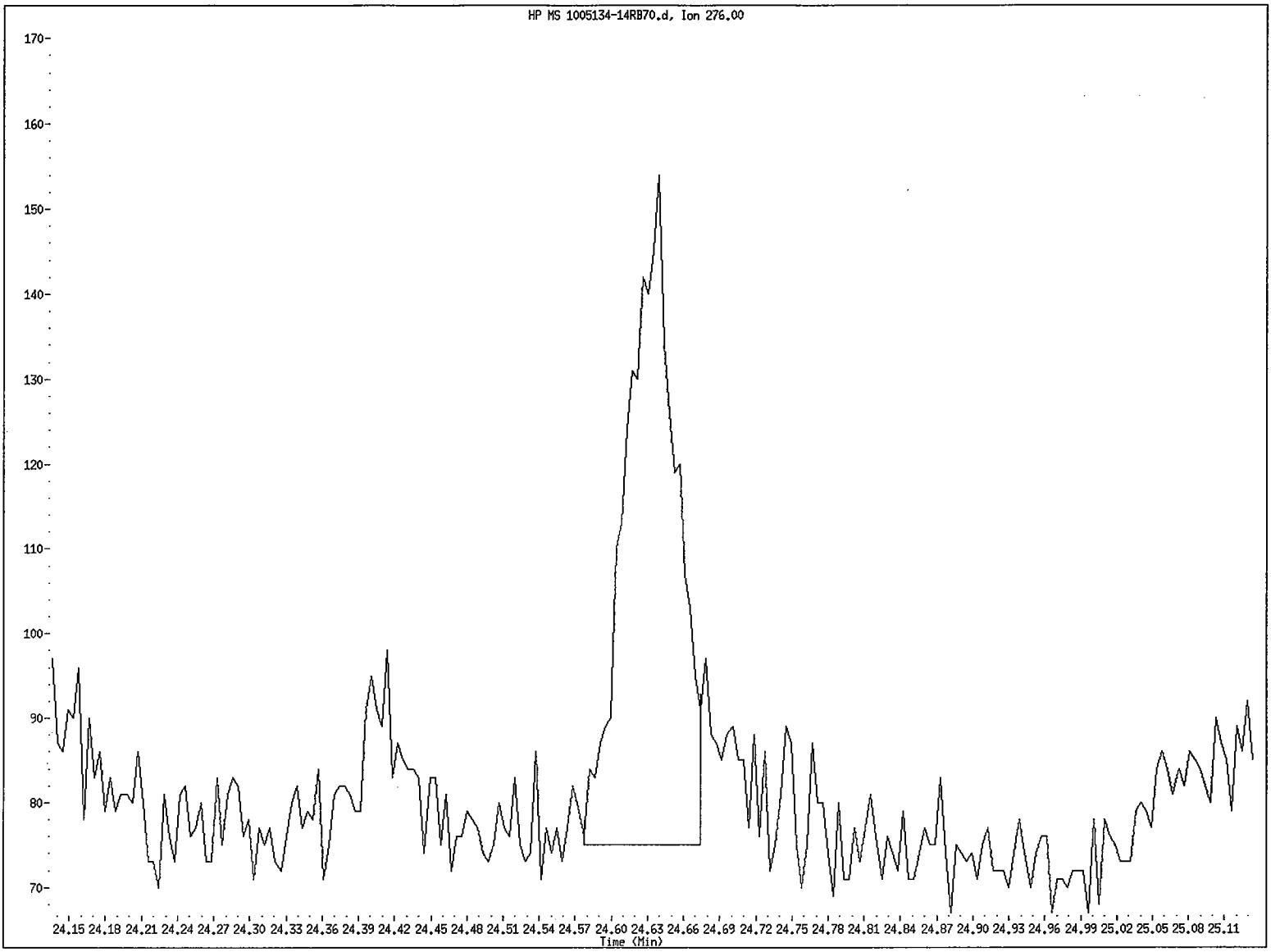
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	24.639	24.635	(1.105)	229	0.23109	4.6(aM)
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

2 07/12/10

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 229 Manually integrated



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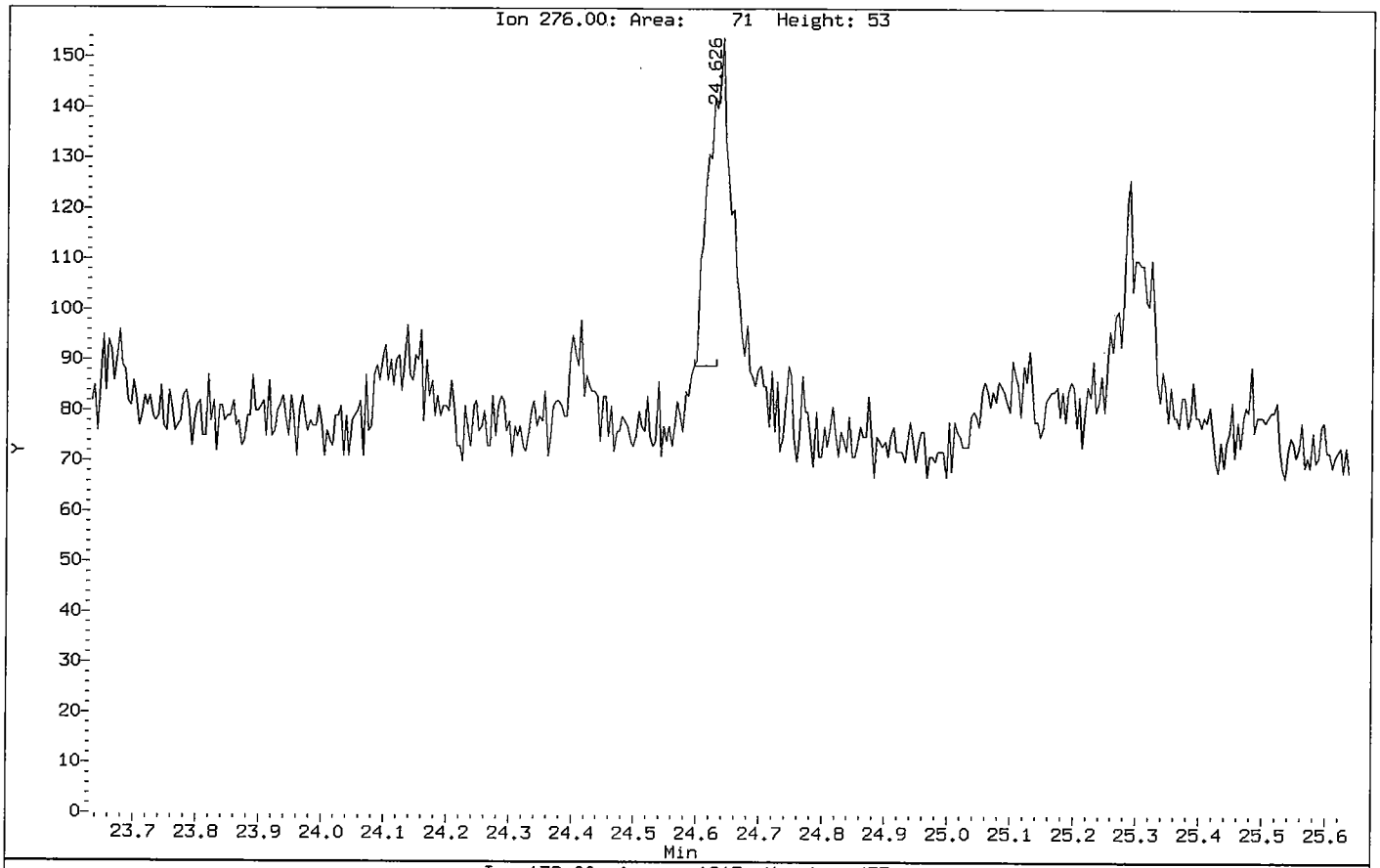
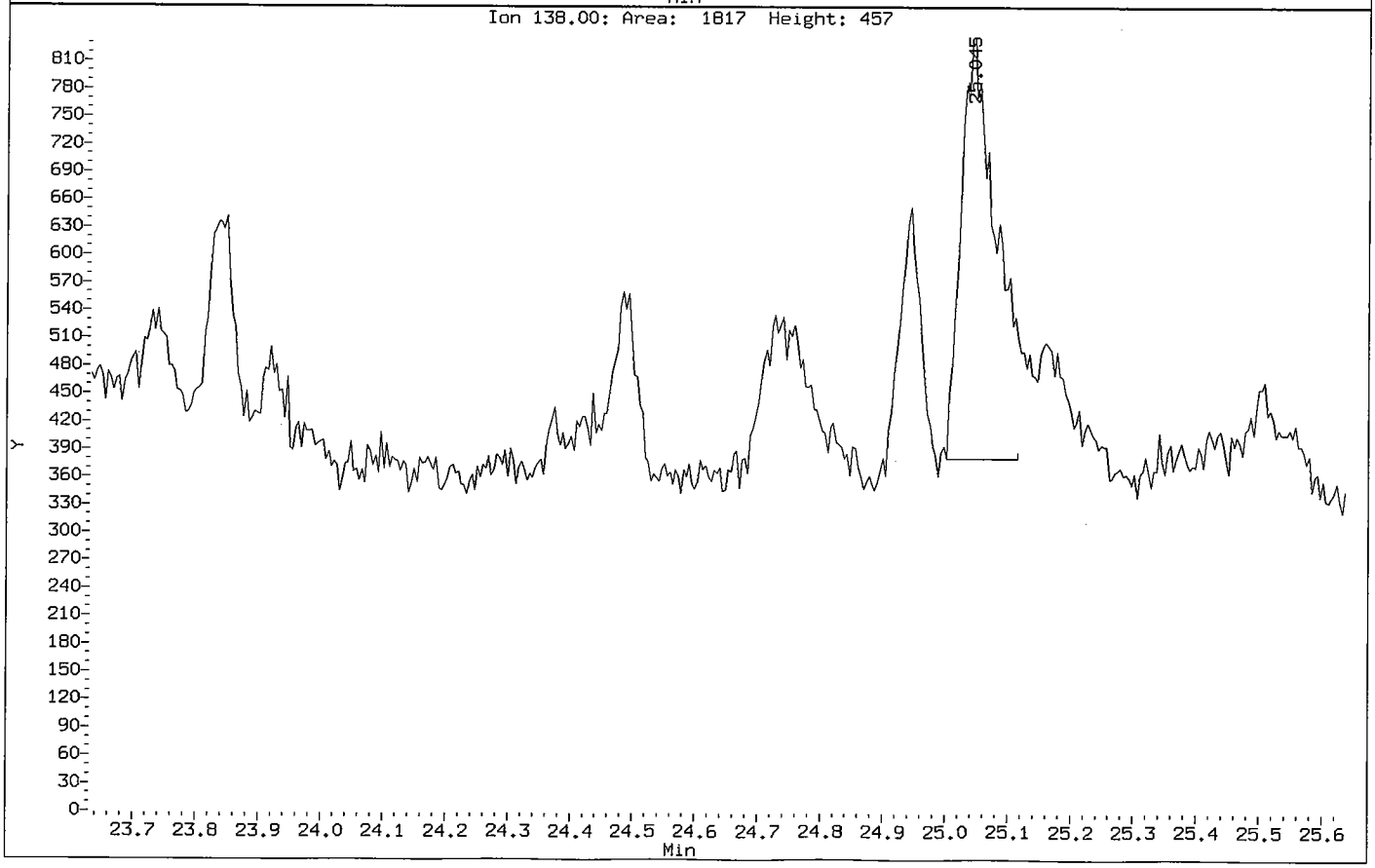
Client ID: SB50-1-2RE
Instrument ID: 5972hp70.i
Injection Date and Time: 01-JUL-2010 03:48
Retention Time: 24.64
Operator ID: TD

Data File: /chem/5972hp70.i/DS100630B70.b/1005134-14RB70.d
Injection Date: 01-JUL-2010 03:48
Instrument: 5972hp70.i
Client Sample ID: SB50-1-2RE

Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





Data File: /chem/5972hp70.i/DS100630B70.b/1005134-14RB70.d

Date : 01-JUL-2010 03:48

Client ID: SB50-1-2RE

Instrument: 5972hp70.i

Sample Info: 1005134-14:TD

Volume Injected (uL): 2.0

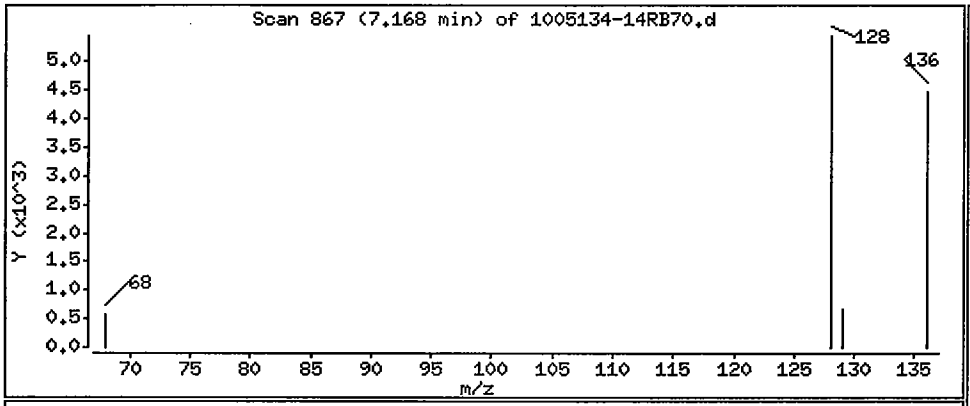
Operator: TD

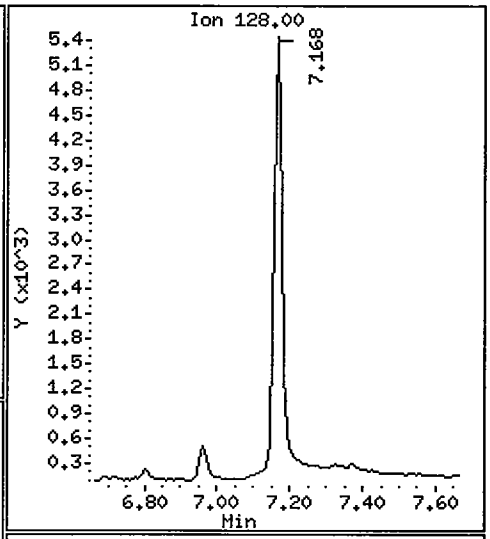
Column phase: Rtx-5MS

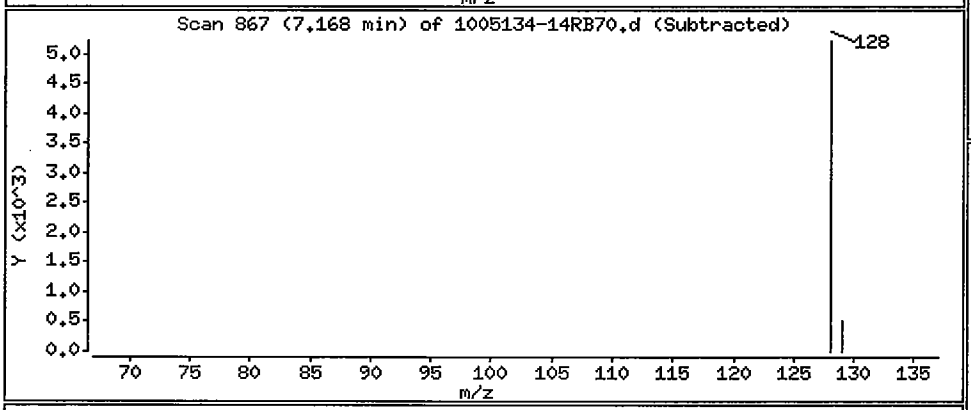
Column diameter: 0.32

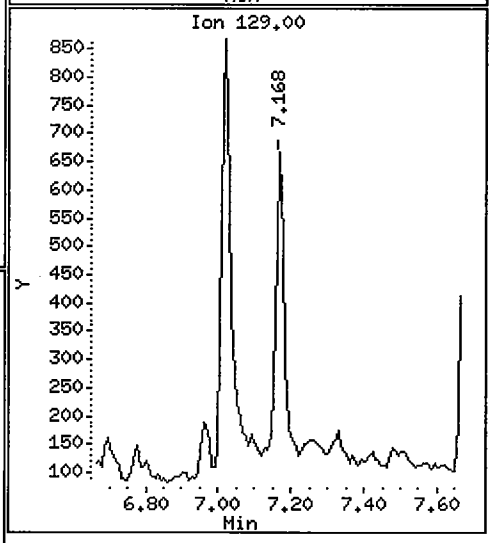
13 Naphthalene

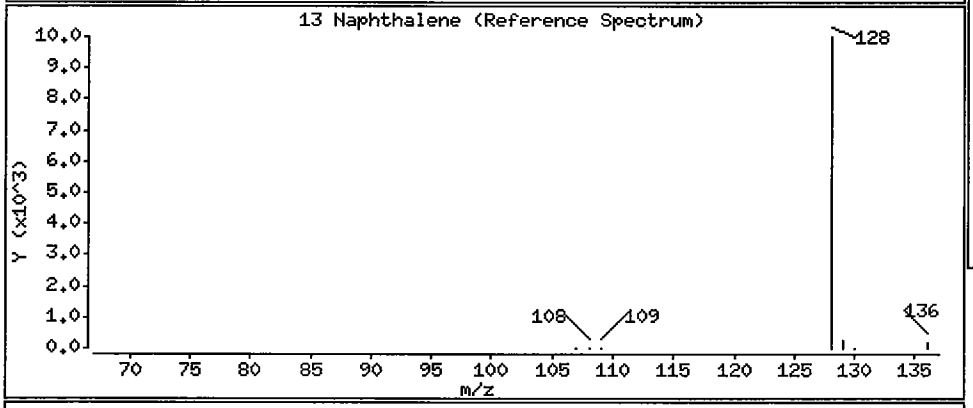
Concentration: 1.8 ug/Kg

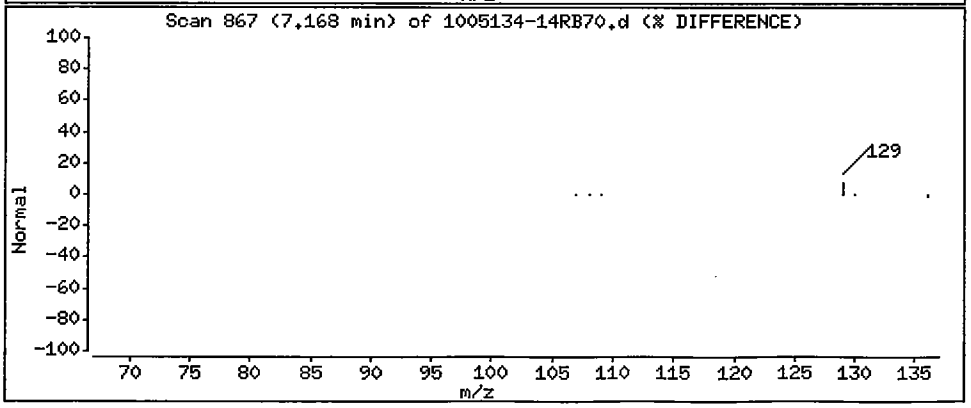












Data File: /chem/5972hp70.i/DS100630B70.b/1005134-14RB70.d

Date : 01-JUL-2010 03:48

Client ID: SB50-1-2RE

Instrument: 5972hp70.i

Sample Info: 1005134-14:TD

Volume Injected (uL): 2.0

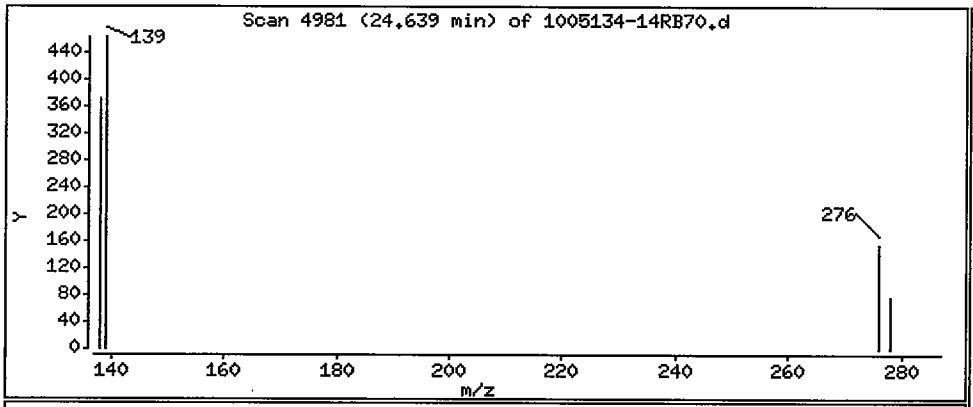
Operator: TD

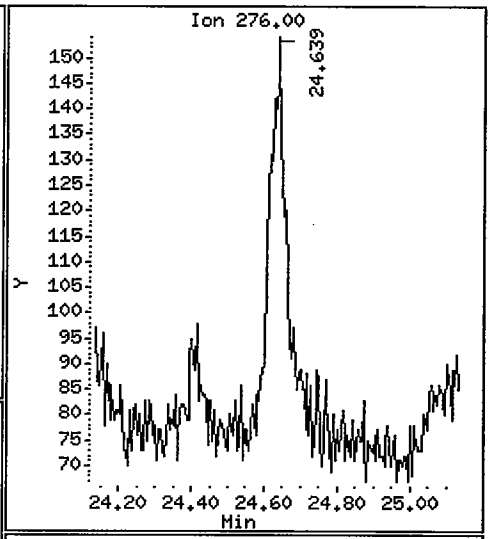
Column phase: Rtx-5MS

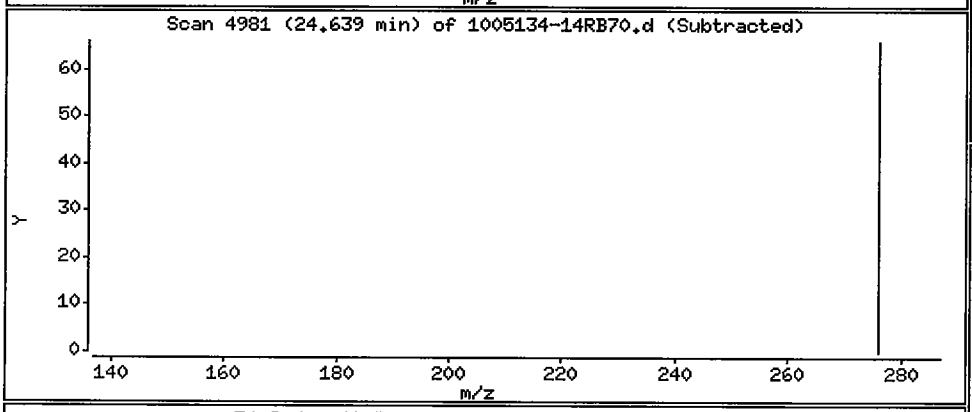
Column diameter: 0.32

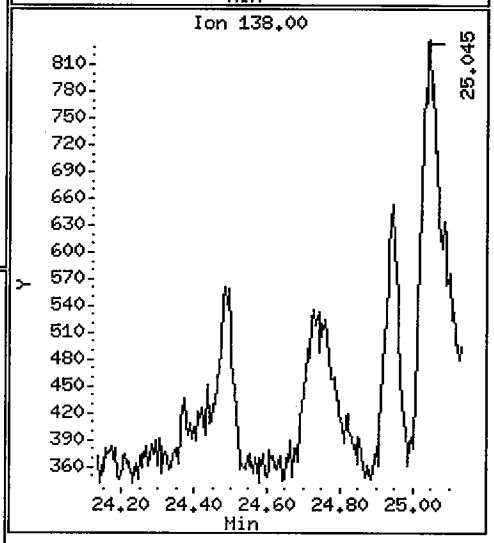
34 Indeno(1,2,3-cd)pyrene

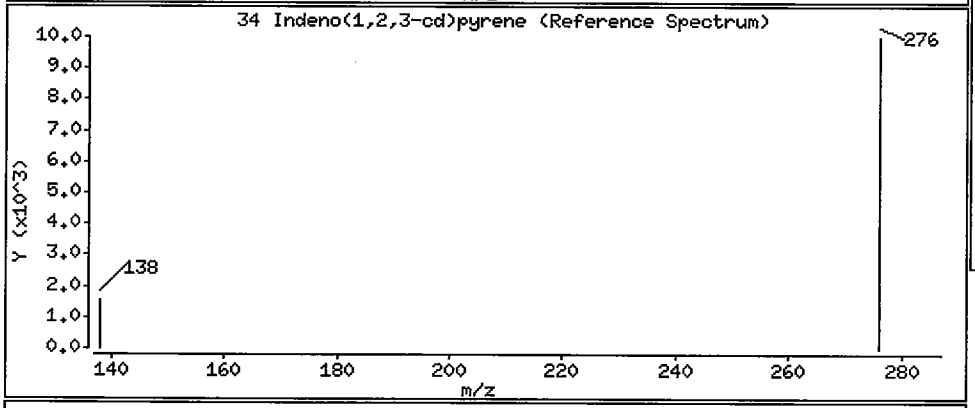
Concentration: 4.6 ug/Kg

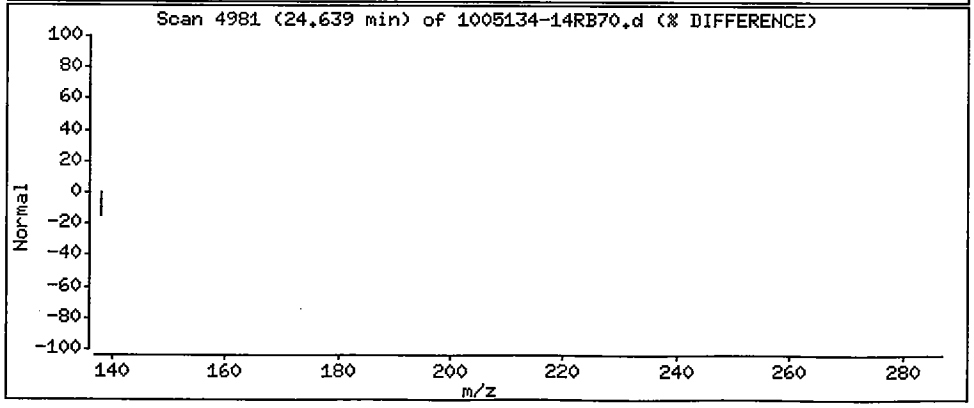












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SS02-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/14/10

Lab Sample ID: 1005134-01
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/14/10
Lab File ID: 1005134-01A66
Analyst: 2730

% Moisture: 16 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0051920-BLK1

Date Extracted: 05/20/10
Date Analyzed: 05/26/10
Dilution Factor: 1.0

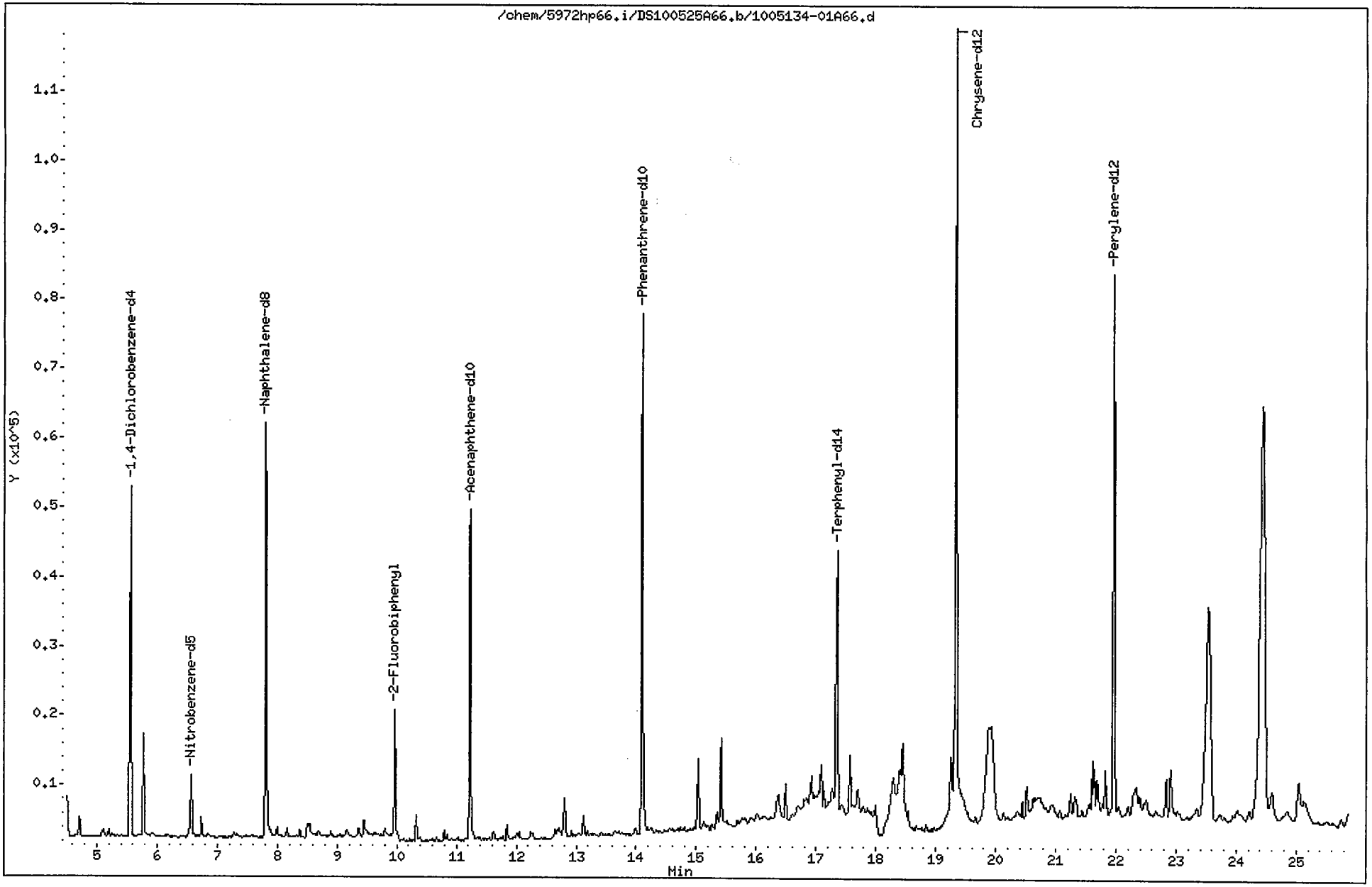
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.85	9.9	ND	U
91-57-6	2-Methylnaphthalene	0.81	9.9	ND	U
208-96-8	Acenaphthylene	0.63	9.9	ND	U
83-32-9	Acenaphthene	0.71	9.9	ND	U
86-73-7	Fluorene	0.54	9.9	ND	U
85-01-8	Phenanthrene	1.6	9.9	ND	U
120-12-7	Anthracene	0.52	9.9	ND	U
206-44-0	Fluoranthene	1.6	9.9	ND	U
129-00-0	Pyrene	0.67	9.9	0.89	J
56-55-3	Benzo(a)anthracene	0.67	9.9	ND	U
218-01-9	Chrysene	0.75	9.9	ND	U
205-99-2	Benzo(b)fluoranthene	0.67	9.9	0.80	J
207-08-9	Benzo(k)fluoranthene	0.52	9.9	0.60	J
50-32-8	Benzo(a)pyrene	0.46	9.9	0.48	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.44	9.9	0.45	J
53-70-3	Dibenzo(a,h)anthracene	0.40	9.9	ND	U
191-24-2	Benzo(g,h,i)perylene	0.46	9.9	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp66.i/DS100525A66.b/1005134-01A66.d
Date : 26-MAY-2010 02:53
Client ID: SS02-0-1
Sample Info: 1005134-01:2730
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: 2730
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100525A66.b/1005134-01A66.d
Report Date: 03-Jun-2010 12:30

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100525A66.b/1005134-01A66.d
Lab Smp Id: 1005134-01 Client Smp ID: SS02-0-1
Inj Date : 26-MAY-2010 02:53
Operator : 2730 Inst ID: 5972hp66.i
Smp Info : 1005134-01:2730
Misc Info : SS02-0-1
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100525A66.b/SIM_8270Cv2DOD.m
Meth Date : 03-Jun-2010 10:56 henning Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	16.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	5.560	5.548	(1.000)	26870	2.00000	
* 2 Naphthalene-d8	136	7.802	7.803	(1.000)	87080	2.00000	
* 3 Acenaphthene-d10	164	11.231	11.218	(1.000)	40194	2.00000	
* 4 Phenanthrene-d10	188	14.100	14.086	(1.000)	101851	2.00000	
* 5 Chrysene-d12	240	19.336	19.327	(1.000)	150612	2.00000	
* 6 Perylene-d12	264	21.961	21.951	(1.000)	100975	2.00000	
$ 9 Nitrobenzene-d5	82	6.563	6.565	(0.841)	11955	0.61697	12
$ 10 2-Fluorobiphenyl	172	9.965	9.967	(0.887)	25433	0.60637	12
$ 12 Terphenyl-d14	244	17.346	17.333	(0.897)	47105	0.86078	17
13 Naphthalene	128	Compound Not Detected.					
15 2-Methylnaphthalene	141	Compound Not Detected.					
17 Acenaphthylene	152	Compound Not Detected.					
18 Acenaphthene	154	Compound Not Detected.					

Data File: /chem/5972hp66.i/DS100525A66.b/1005134-01A66.d
Report Date: 03-Jun-2010 12:30

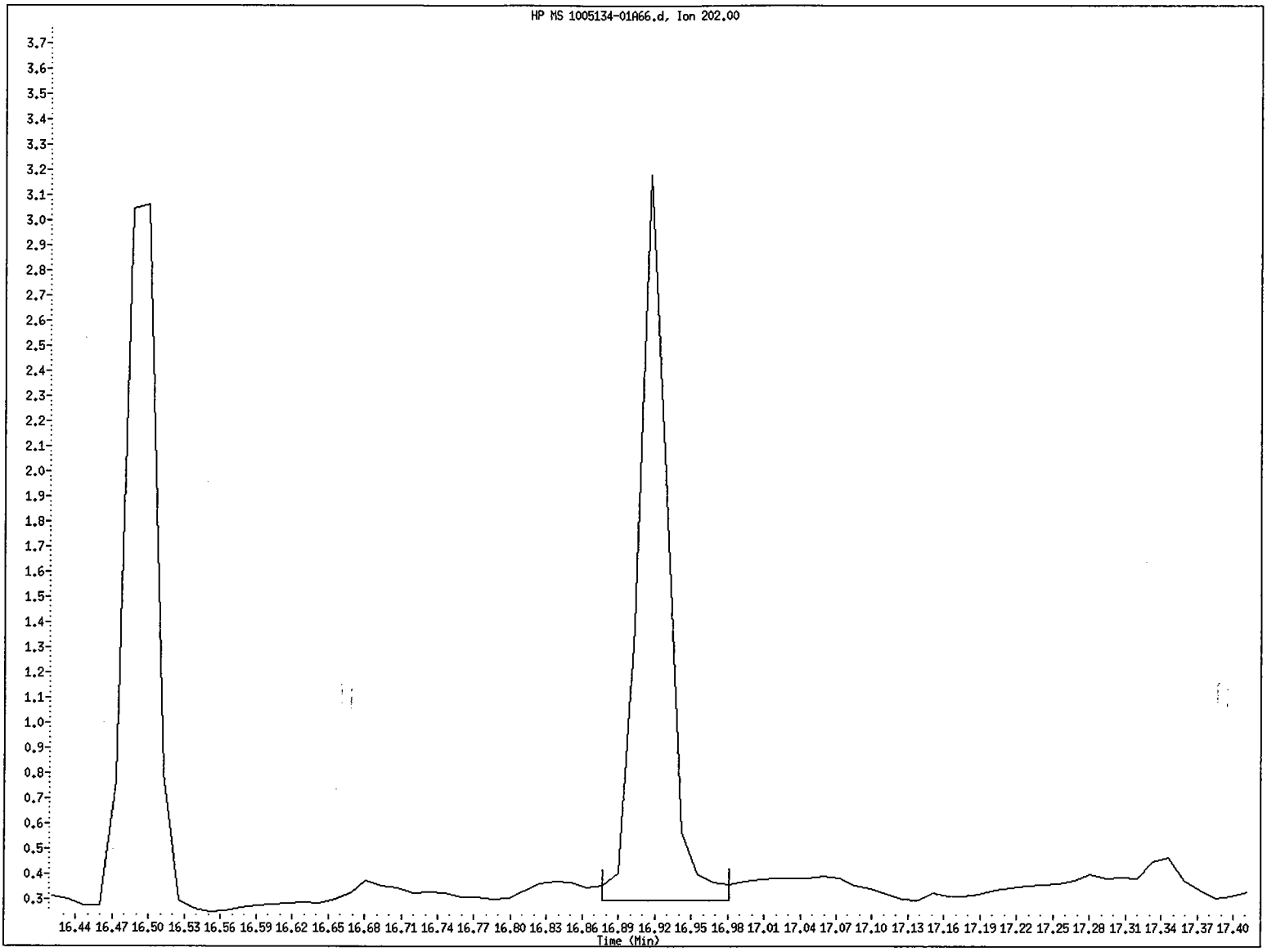
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	16.916	16.916	(0.875)	4874	0.04481	0.89(aM)
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	21.308	21.298	(0.970)	2687	0.04035	0.80(a)
32 Benzo(k)fluoranthene	252	21.340	21.341	(0.972)	2185	0.03049	0.60(aM)
33 Benzo(a)pyrene	252	21.852	21.842	(0.995)	1447	0.02411	0.48(a)
34 Indeno(1,2,3-cd)pyrene	276	24.007	23.997	(1.093)	1208	0.02282	0.45(a)
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

6/3/10
MT

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Pyrene CAS Number 129-00-0 Area = 4874 Manually integrated



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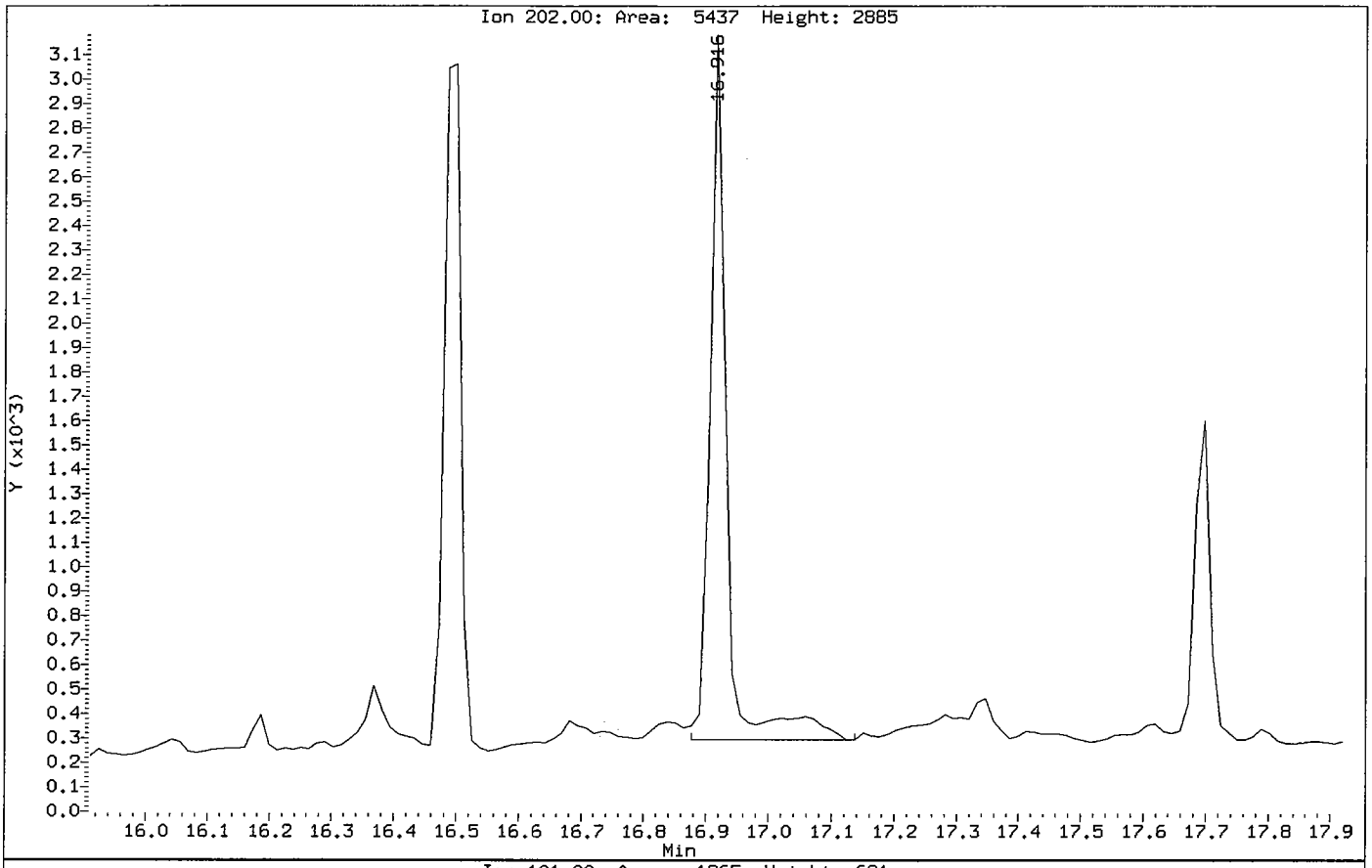
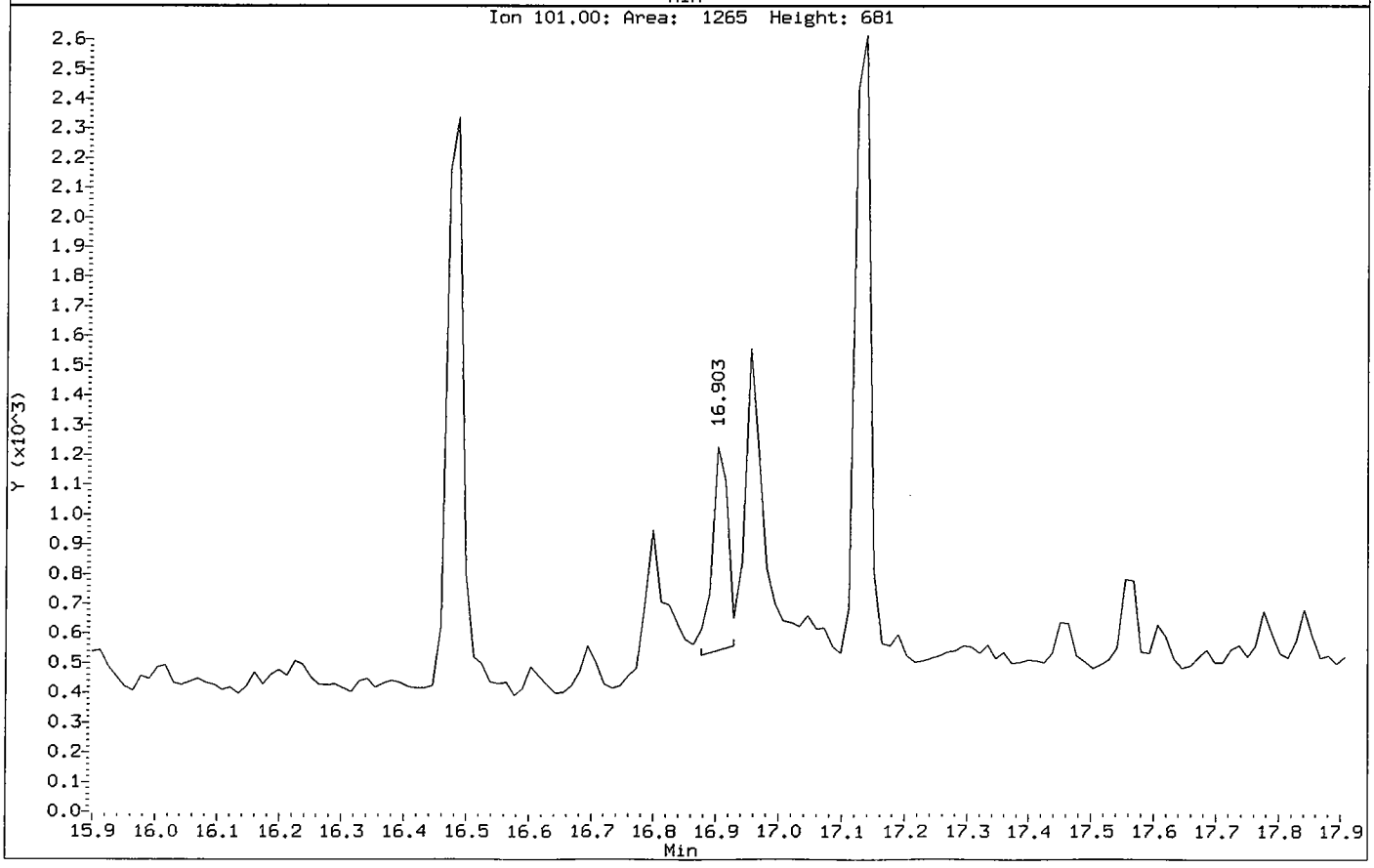
Client ID: SS02-0-1
Instrument ID: 5972hp66.i
Injection Date and Time: 26-MAY-2010 02:53
Retention Time: 16.92
Operator ID: 2730

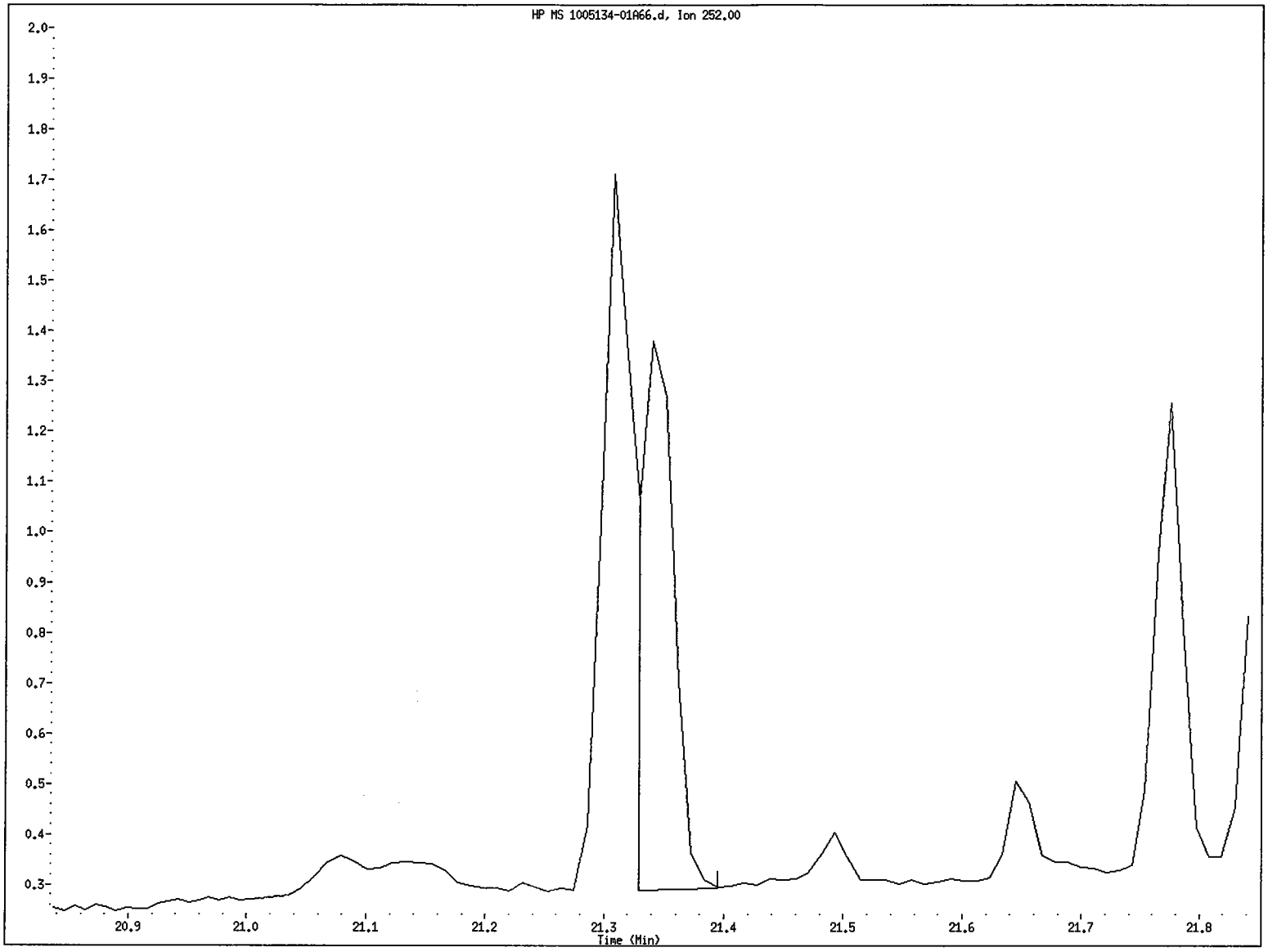
Data File: /chem/5972hp66.i/DS100525A66.b/1005134-01A66.d
Injection Date: 26-MAY-2010 02:53
Instrument: 5972hp66.i
Client Sample ID: SS02-0-1

Compound: Pyrene
CAS Number: 129-00-0





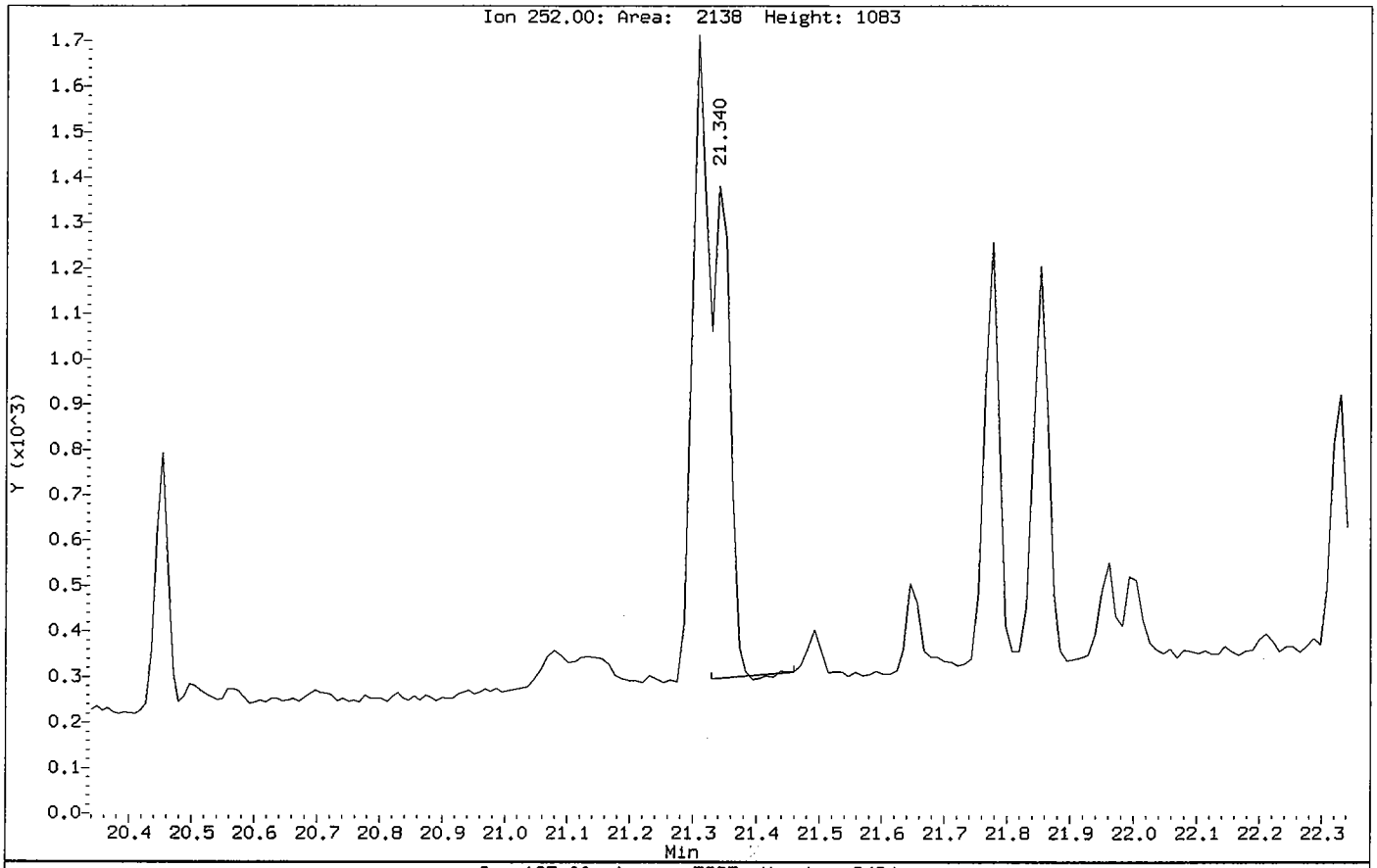
Benzo(k)fluoranthene CAS Number 207-08-9 Area = 2185 Manually integrated

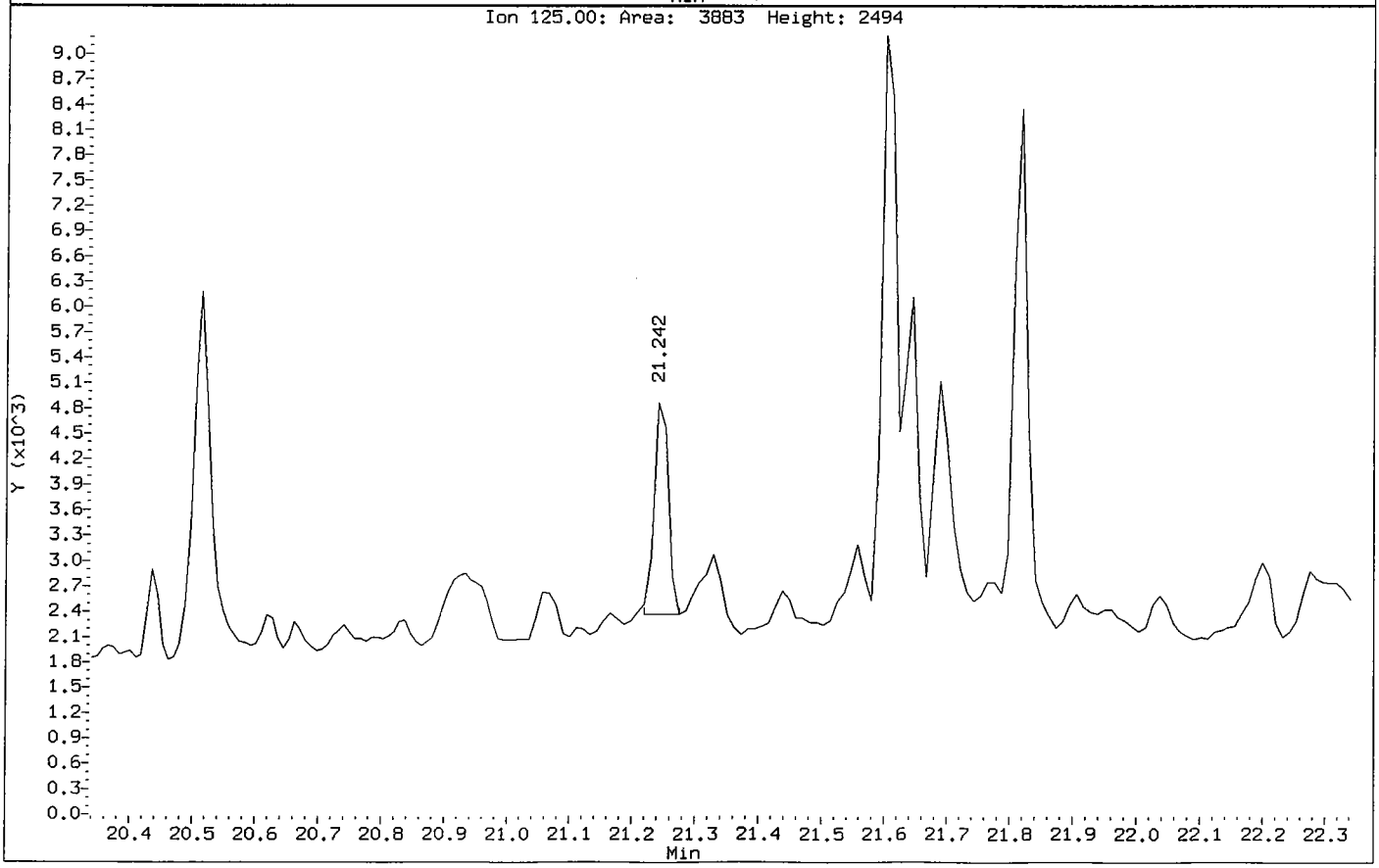


File name: /chem/5972hp66.i/DS100525A66.b/1005134-01A66.d
Client ID: SS02-0-1
Instrument ID: 5972hp66.i
Injection Date and Time: 26-MAY-2010 02:53
Retention Time: 21.34
Operator ID: 2730

Data File: /chem/5972hp66.i/DS100525A66.b/1005134-01A66.d
Injection Date: 26-MAY-2010 02:53
Instrument: 5972hp66.i
Client Sample ID: SS02-0-1

Compound: Benzo(k)fluoranthene
CAS Number: 207-08-9





Data File: /chem/5972hp66.i/DS100525A66.b/1005134-01A66.d

Date : 26-MAY-2010 02:53

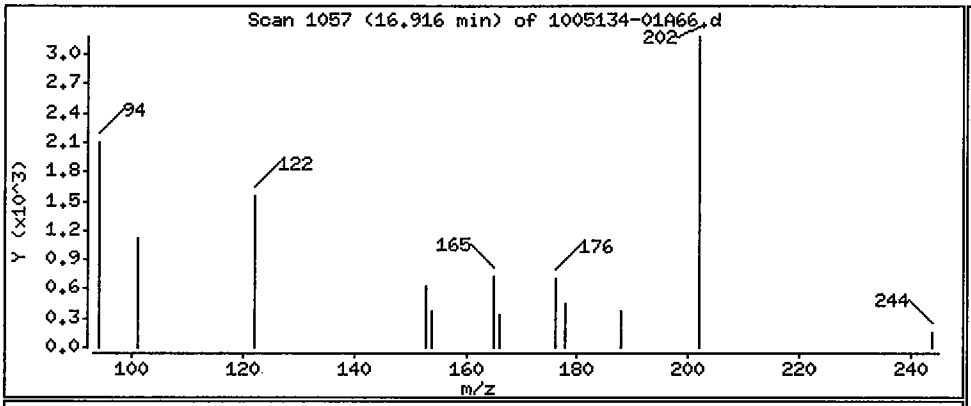
Client ID: SS02-0-1 Instrument: 5972hp66.i

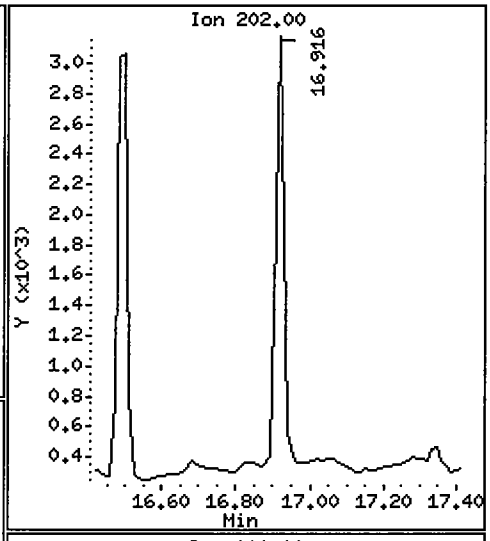
Sample Info: 1005134-01:2730

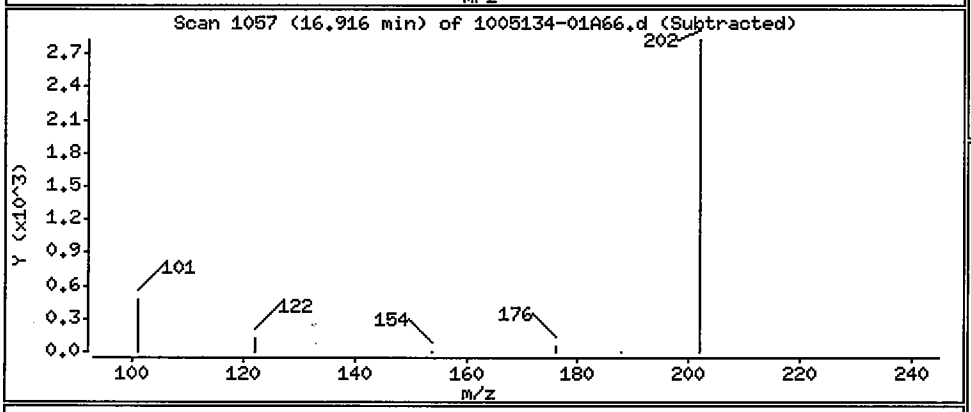
Volume Injected (uL): 2.0 Operator: 2730

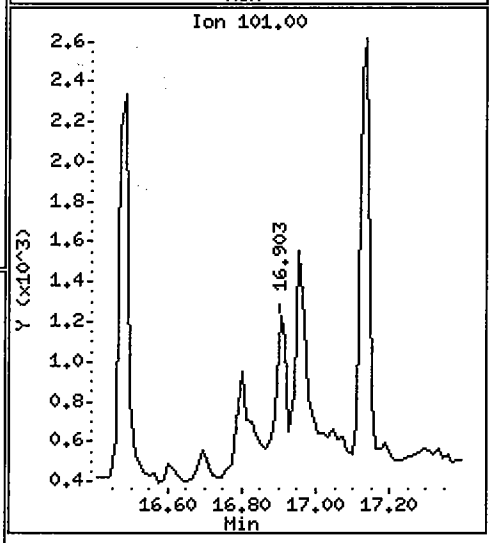
Column phase: Rtx-5MS Column diameter: 0.32

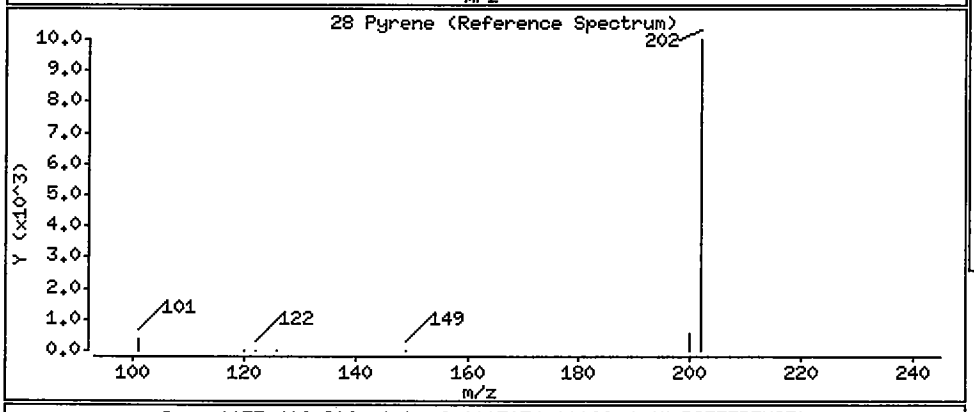
28 Pyrene Concentration: 0.89 ug/Kg

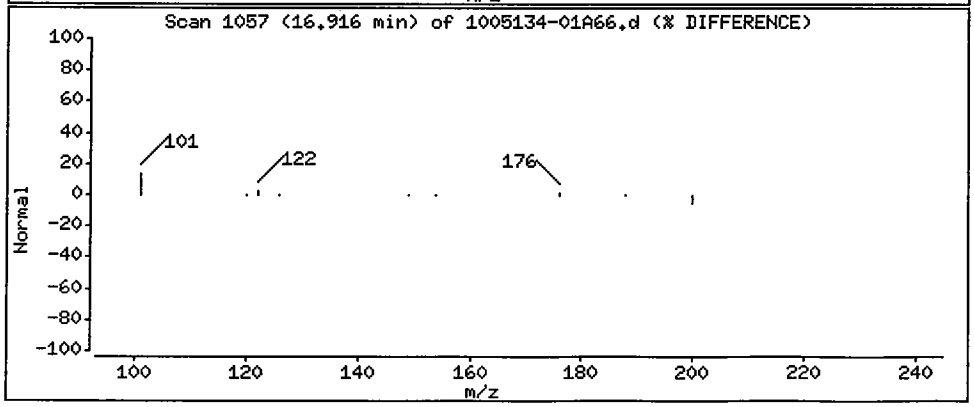












Data File: /chem/5972hp66.i/DS100525A66.b/1005134-01A66.d

Date : 26-MAY-2010 02:53

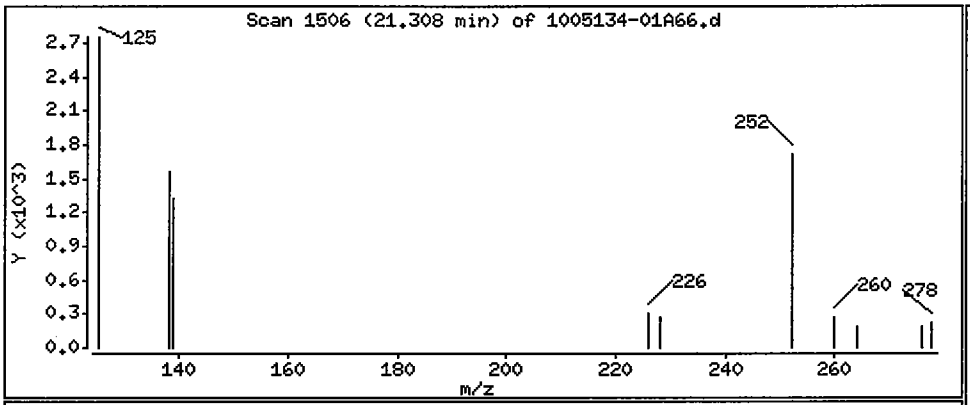
Client ID: SS02-0-1 Instrument: 5972hp66.i

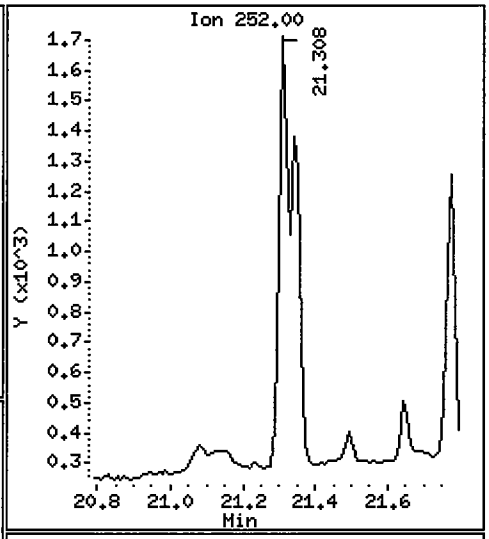
Sample Info: 1005134-01:2730

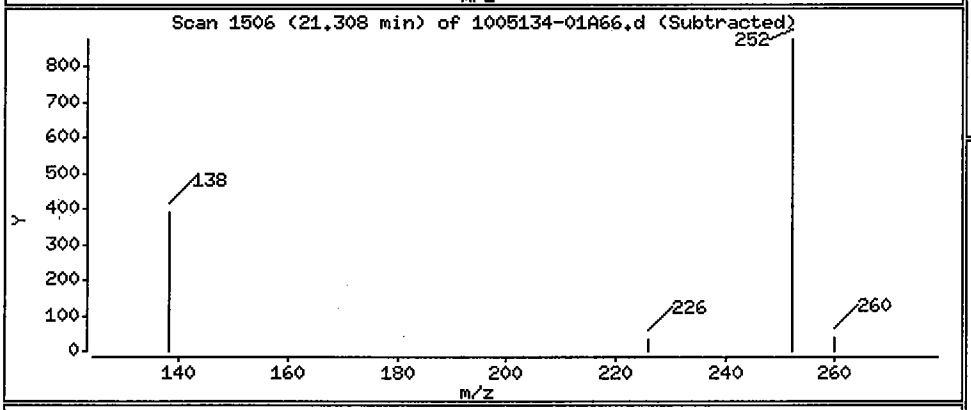
Volume Injected (uL): 2.0 Operator: 2730

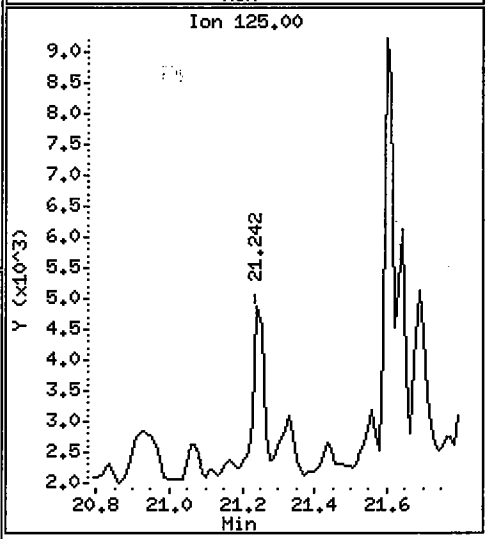
Column phase: Rtx-5MS Column diameter: 0.32

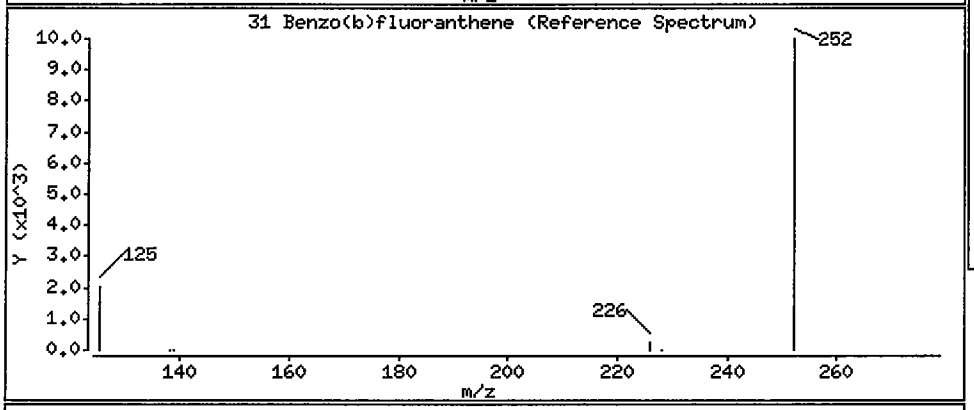
31 Benzo(b)fluoranthene Concentration: 0.80 ug/Kg

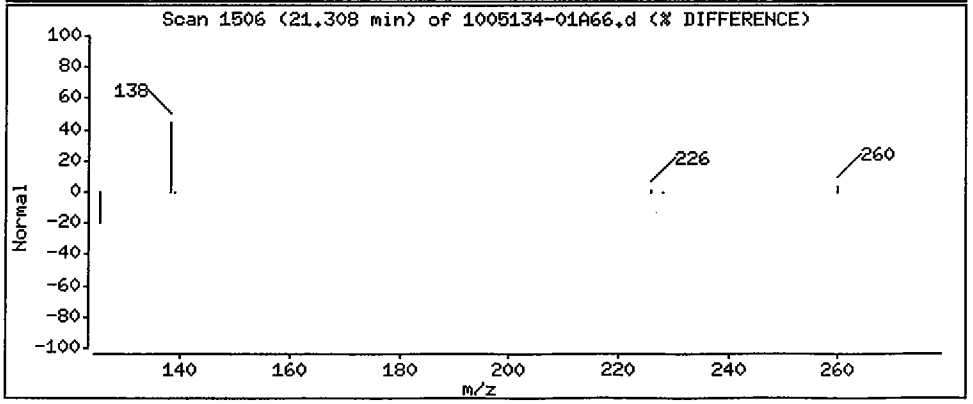












Data File: /chem/5972hp66.i/DS100525A66.b/1005134-01A66.d

Date : 26-MAY-2010 02:53

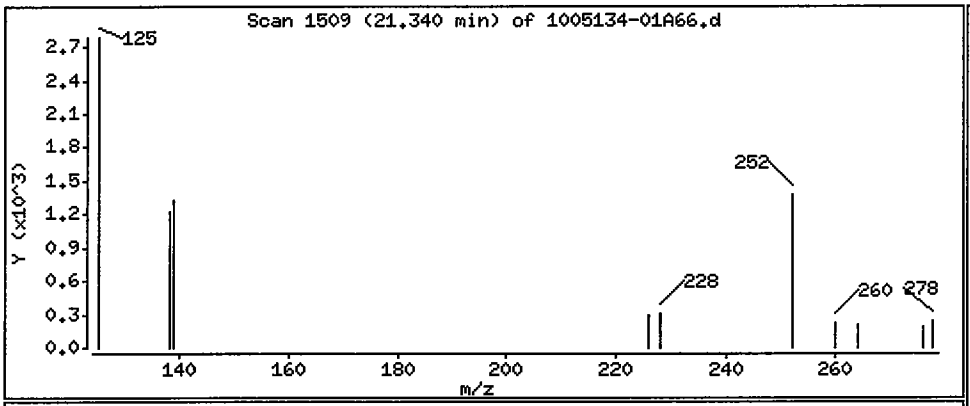
Client ID: SS02-0-1 Instrument: 5972hp66.i

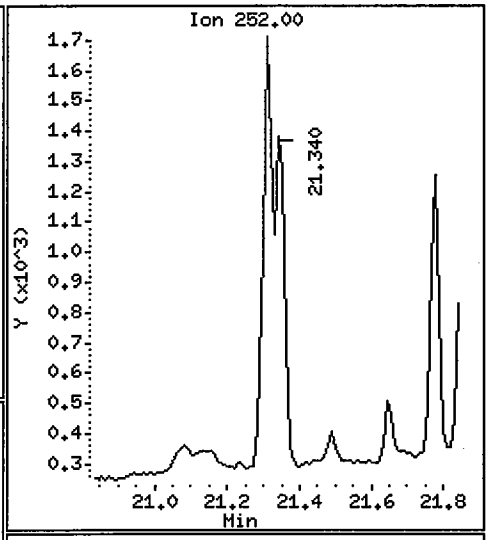
Sample Info: 1005134-01:2730

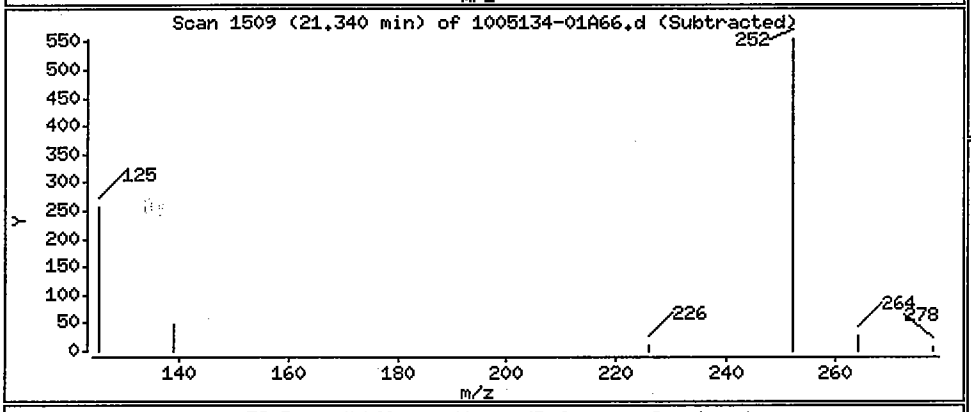
Volume Injected (uL): 2.0 Operator: 2730

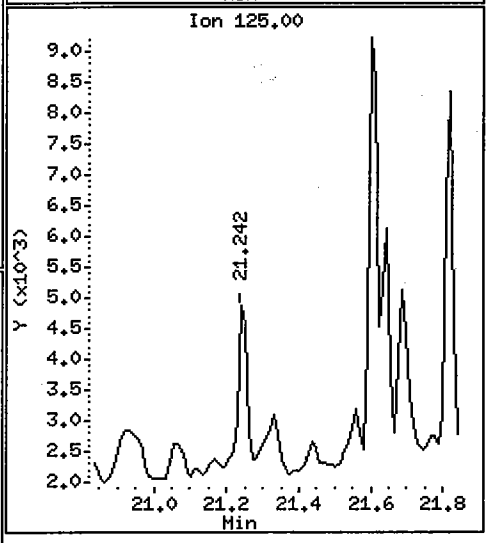
Column phase: Rtx-5MS Column diameter: 0.32

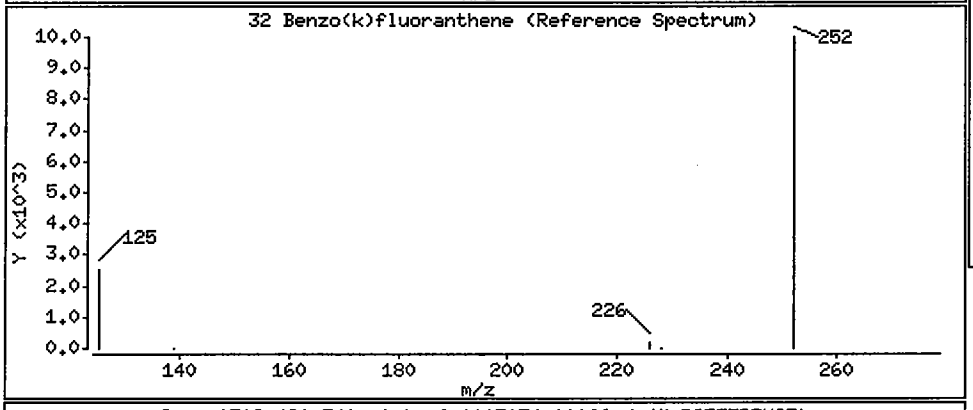
32 Benzo(k)fluoranthene Concentration: 0.60 ug/Kg

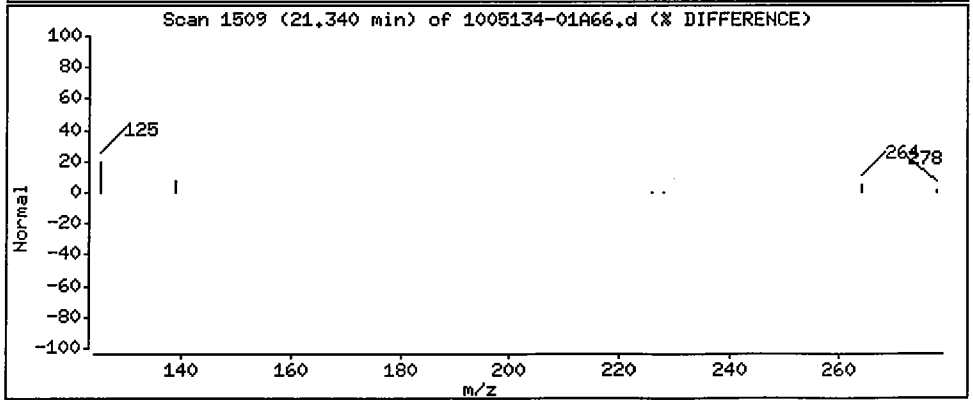












Data File: /chem/5972hp66.i/DS100525A66.b/1005134-01A66.d

Date : 26-MAY-2010 02:53

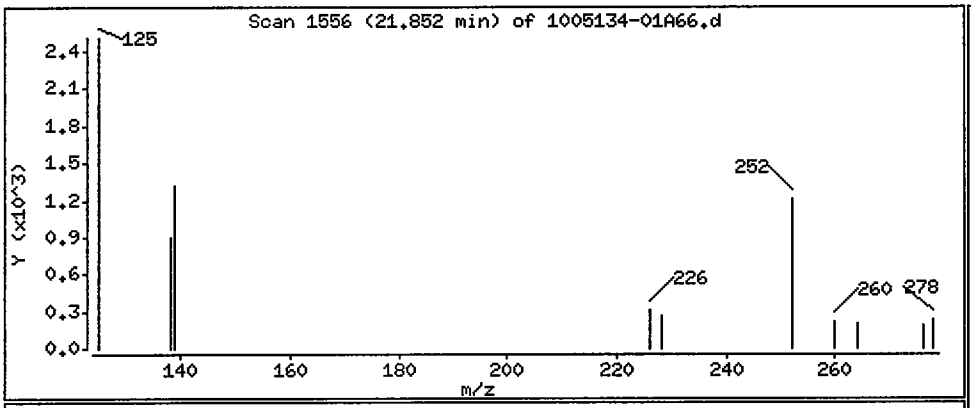
Client ID: SS02-0-1 Instrument: 5972hp66.i

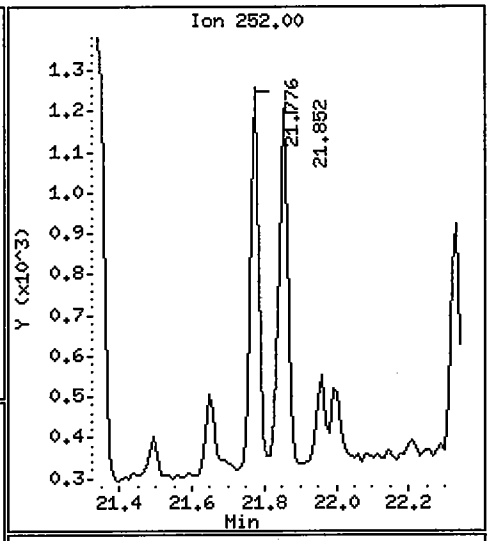
Sample Info: 1005134-01:2730

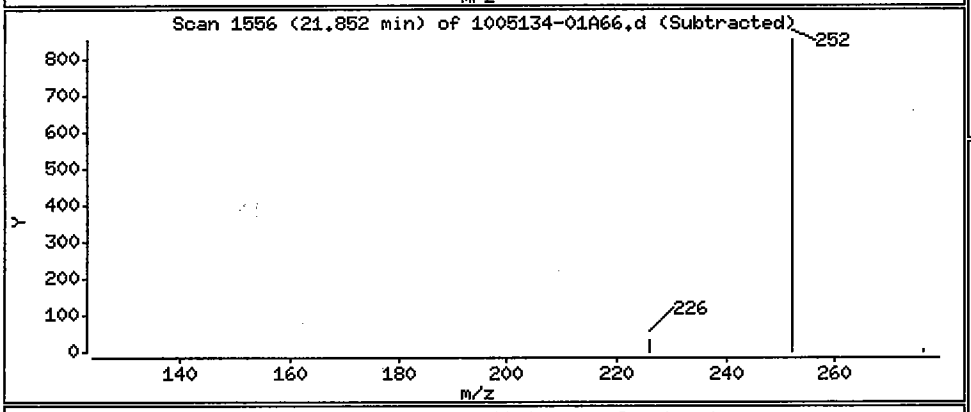
Volume Injected (uL): 2.0 Operator: 2730

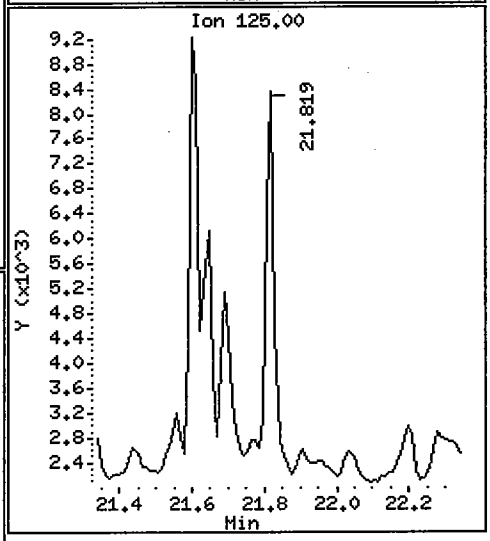
Column phase: Rtx-5MS Column diameter: 0.32

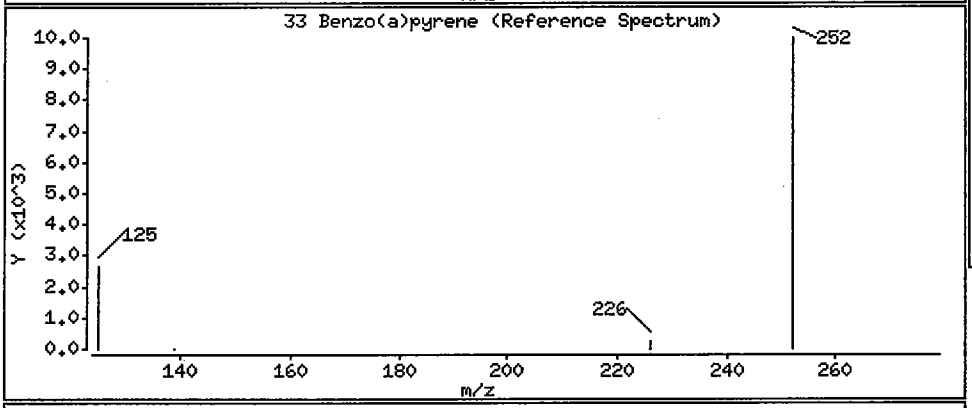
33 Benzo(a)pyrene Concentration: 0.48 ug/Kg

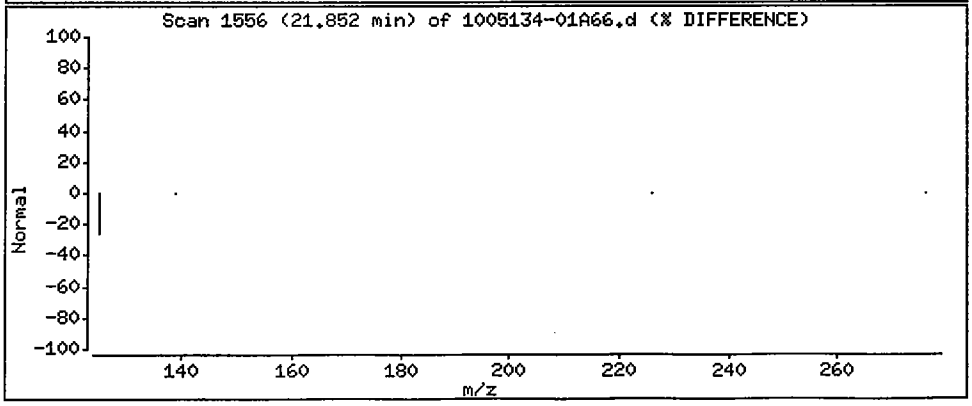












Data File: /chem/5972hp66.i/DS100525A66.b/1005134-01A66.d

Date : 26-MAY-2010 02:53

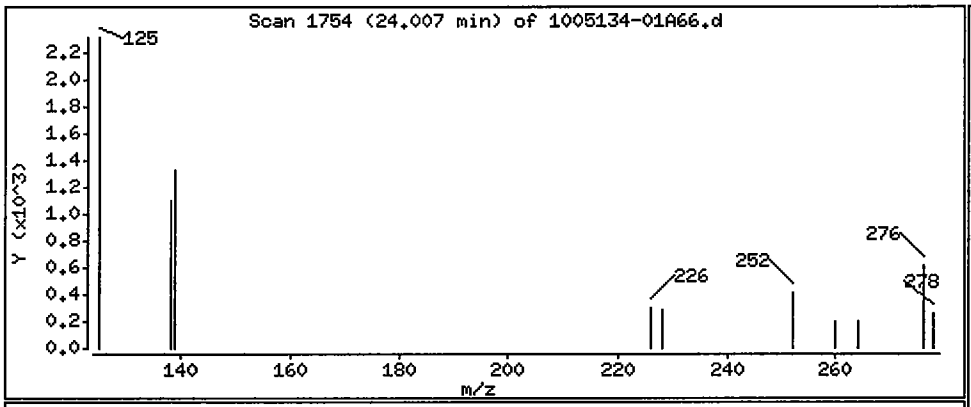
Client ID: SS02-0-1 Instrument: 5972hp66.i

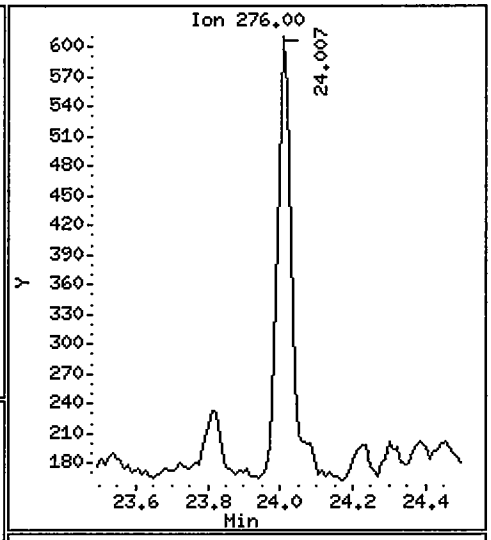
Sample Info: 1005134-01:2730

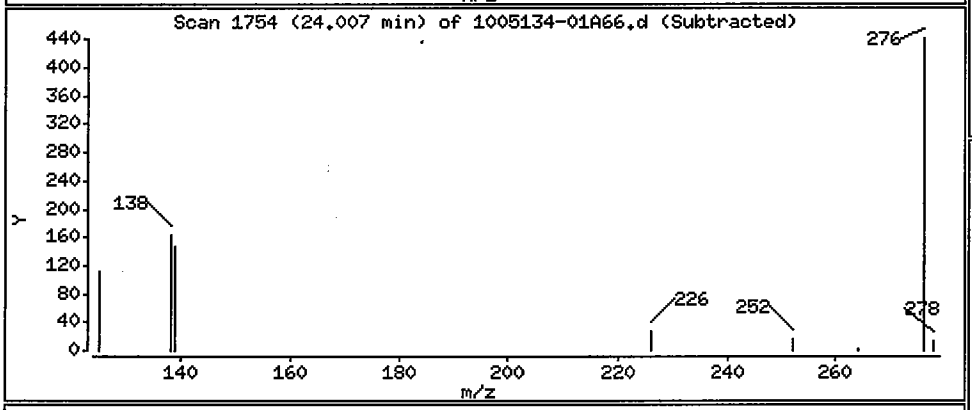
Volume Injected (uL): 2.0 Operator: 2730

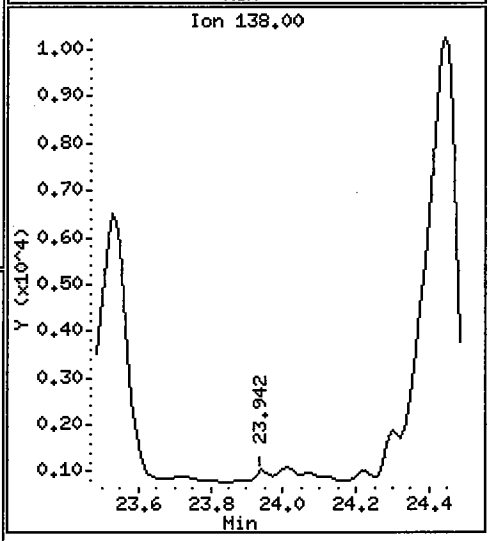
Column phase: Rtx-5MS Column diameter: 0.32

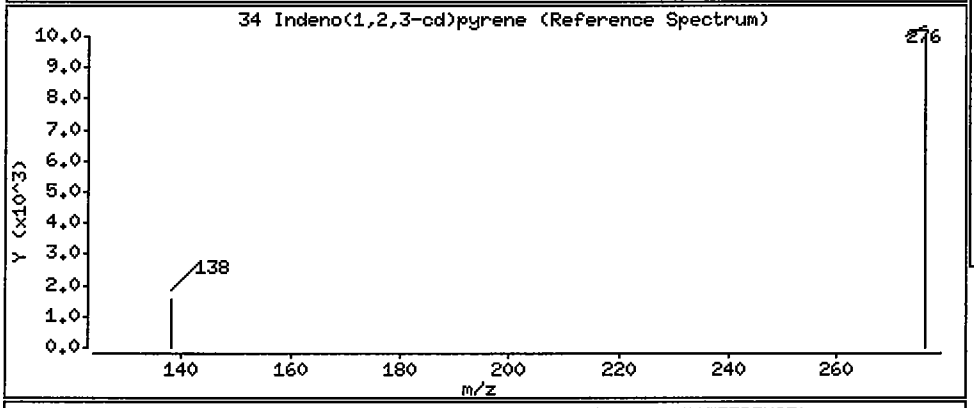
34 Indeno(1,2,3-cd)pyrene Concentration: 0.45 ug/Kg

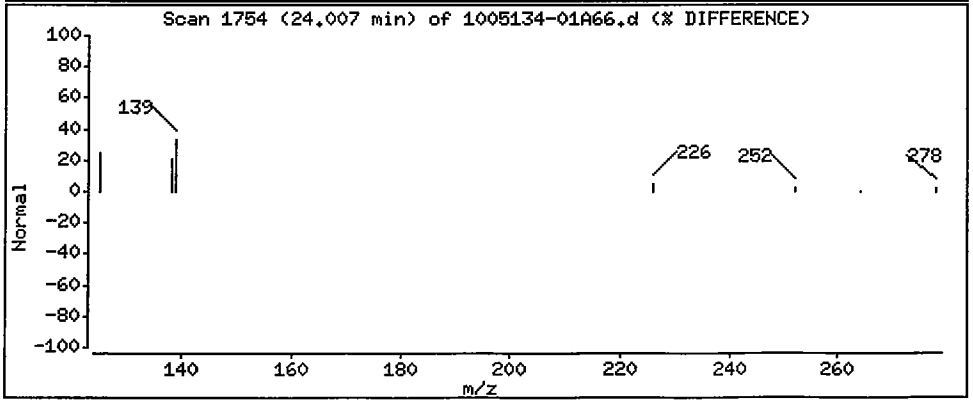












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SS02D-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/14/10

Lab Sample ID: 1005134-02
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/14/10
Lab File ID: 1005134-02A66
Analyst: 2730

% Moisture: 12 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0051920-BLK1

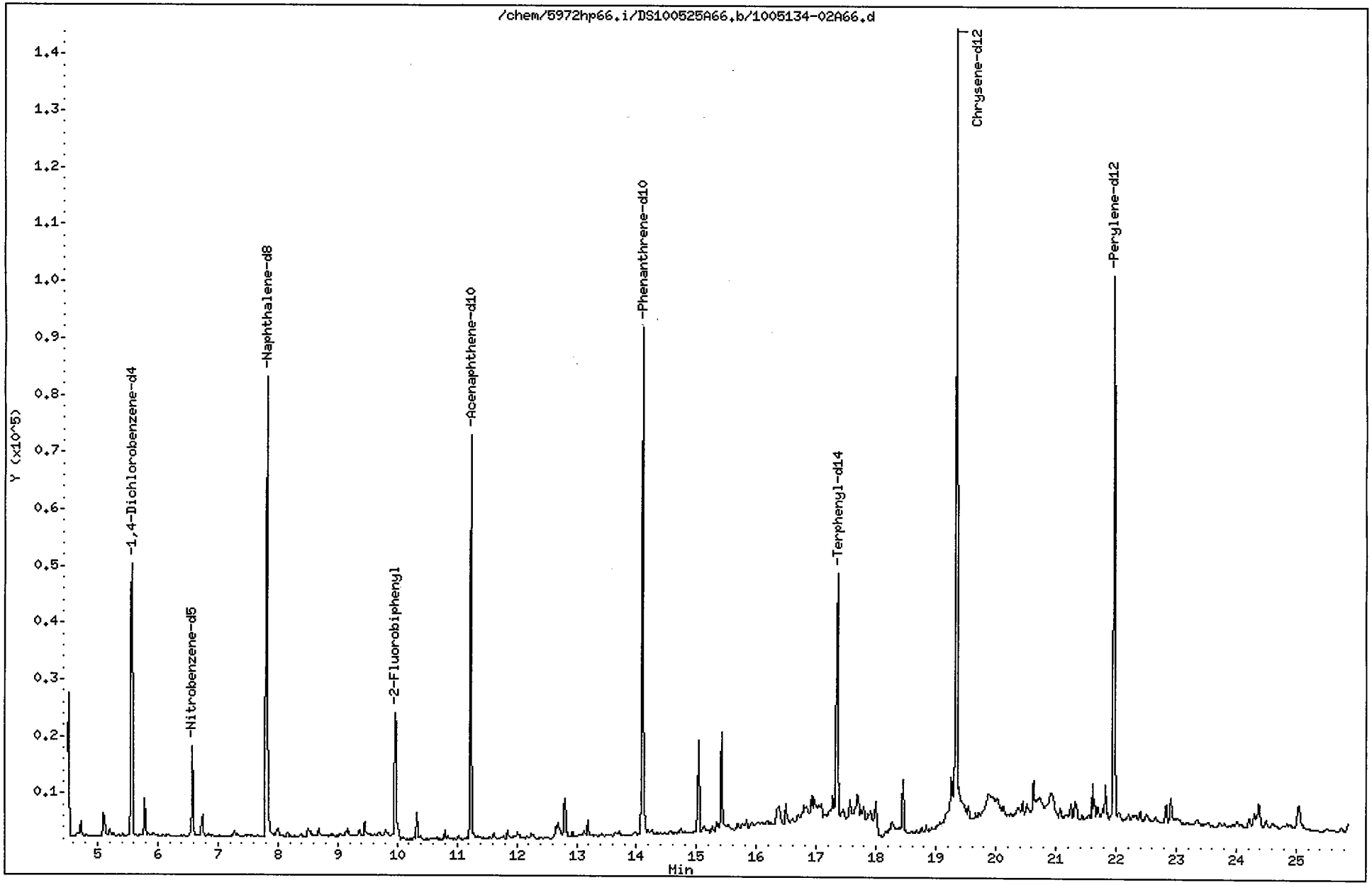
Date Extracted: 05/20/10
Date Analyzed: 05/26/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.81	9.4	ND	U
91-57-6	2-Methylnaphthalene	0.78	9.4	ND	U
208-96-8	Acenaphthylene	0.61	9.4	ND	U
83-32-9	Acenaphthene	0.68	9.4	ND	U
86-73-7	Fluorene	0.51	9.4	ND	U
85-01-8	Phenanthrene	1.5	9.4	ND	U
120-12-7	Anthracene	0.49	9.4	ND	U
206-44-0	Fluoranthene	1.5	9.4	ND	U
129-00-0	Pyrene	0.64	9.4	ND	U
56-55-3	Benzo(a)anthracene	0.64	9.4	ND	U
218-01-9	Chrysene	0.72	9.4	ND	U
205-99-2	Benzo(b)fluoranthene	0.64	9.4	ND	U
207-08-9	Benzo(k)fluoranthene	0.49	9.4	0.50	J
50-32-8	Benzo(a)pyrene	0.44	9.4	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.42	9.4	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.38	9.4	ND	U
191-24-2	Benzo(g,h,i)perylene	0.44	9.4	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp66.i/DS100525A66.b/1005134-02A66.d
Date : 26-MAY-2010 03:27
Client ID: SS02D-0-1
Sample Info: 1005134-02:2730
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: 2730
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100525A66.b/1005134-02A66.d
Report Date: 03-Jun-2010 12:30

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100525A66.b/1005134-02A66.d
Lab Smp Id: 1005134-02 Client Smp ID: SS02D-0-1
Inj Date : 26-MAY-2010 03:27
Operator : 2730 Inst ID: 5972hp66.i
Smp Info : 1005134-02:2730
Misc Info : SS02D-0-1
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100525A66.b/SIM_8270Cv2DOD.m
Meth Date : 03-Jun-2010 10:56 henning Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	12.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
*	1 1,4-Dichlorobenzene-d4	152	5.570	5.548	(1.000)	30423	2.00000	
*	2 Naphthalene-d8	136	7.812	7.803	(1.000)	107825	2.00000	
*	3 Acenaphthene-d10	164	11.230	11.218	(1.000)	51011	2.00000	
*	4 Phenanthrene-d10	188	14.101	14.086	(1.000)	119009	2.00000	
*	5 Chrysene-d12	240	19.335	19.327	(1.000)	170695	2.00000	
*	6 Perylene-d12	264	21.961	21.951	(1.000)	124803	2.00000	
$	9 Nitrobenzene-d5	82	6.574	6.565	(0.841)	16273	0.67824	13
$	10 2-Fluorobiphenyl	172	9.963	9.967	(0.887)	35074	0.65890	12
$	12 Terphenyl-d14	244	17.347	17.333	(0.897)	53467	0.86208	16
	13 Naphthalene	128	Compound Not Detected.					
	15 2-Methylnaphthalene	141	Compound Not Detected.					
	17 Acenaphthylene	152	Compound Not Detected.					
	18 Acenaphthene	154	Compound Not Detected.					

Data File: /chem/5972hp66.i/DS100525A66.b/1005134-02A66.d
Report Date: 03-Jun-2010 12:30

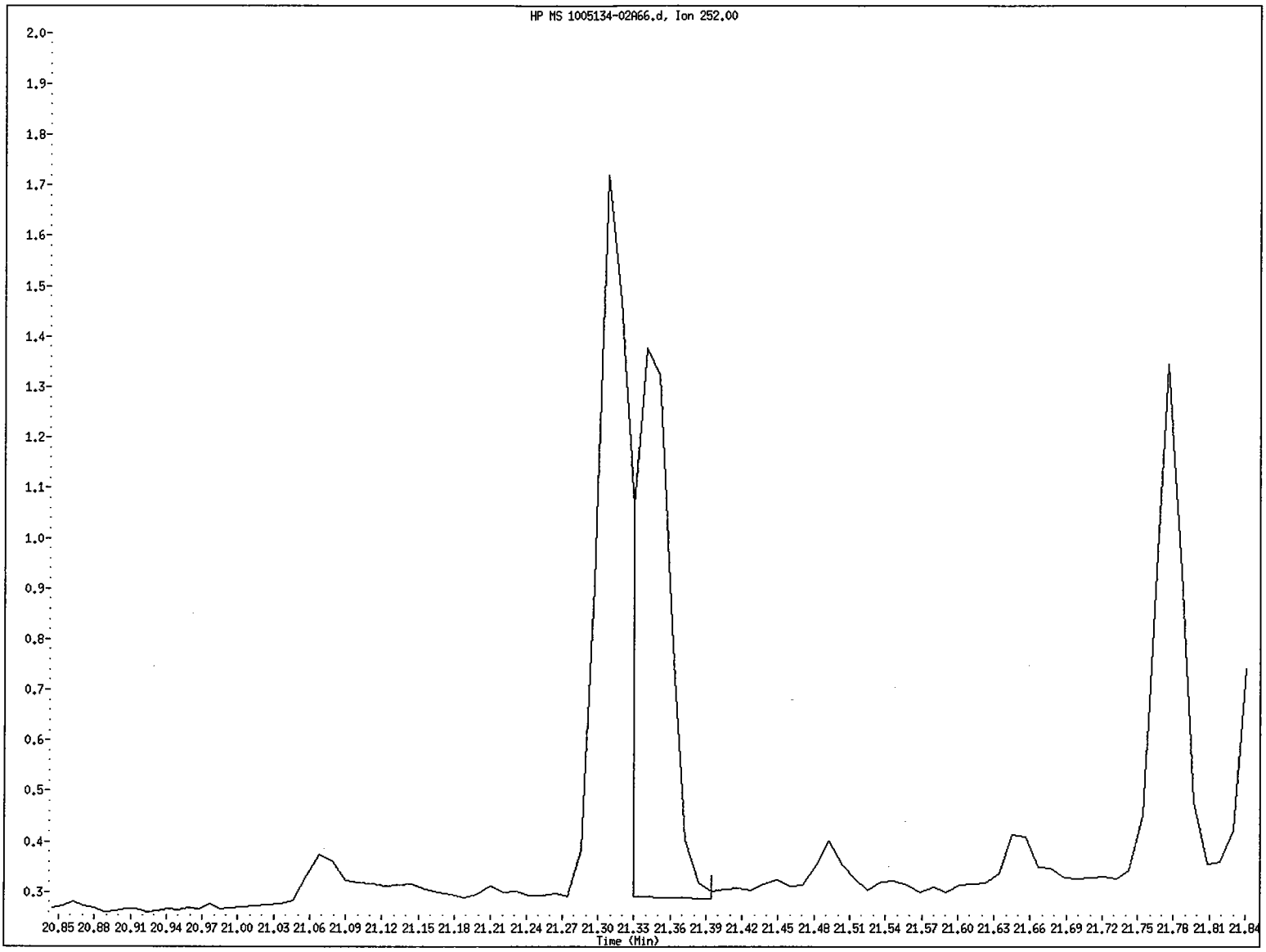
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	21.340	21.341	(0.972)	2319	0.02618	0.50(aM)
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

2-6/3/10
MH

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

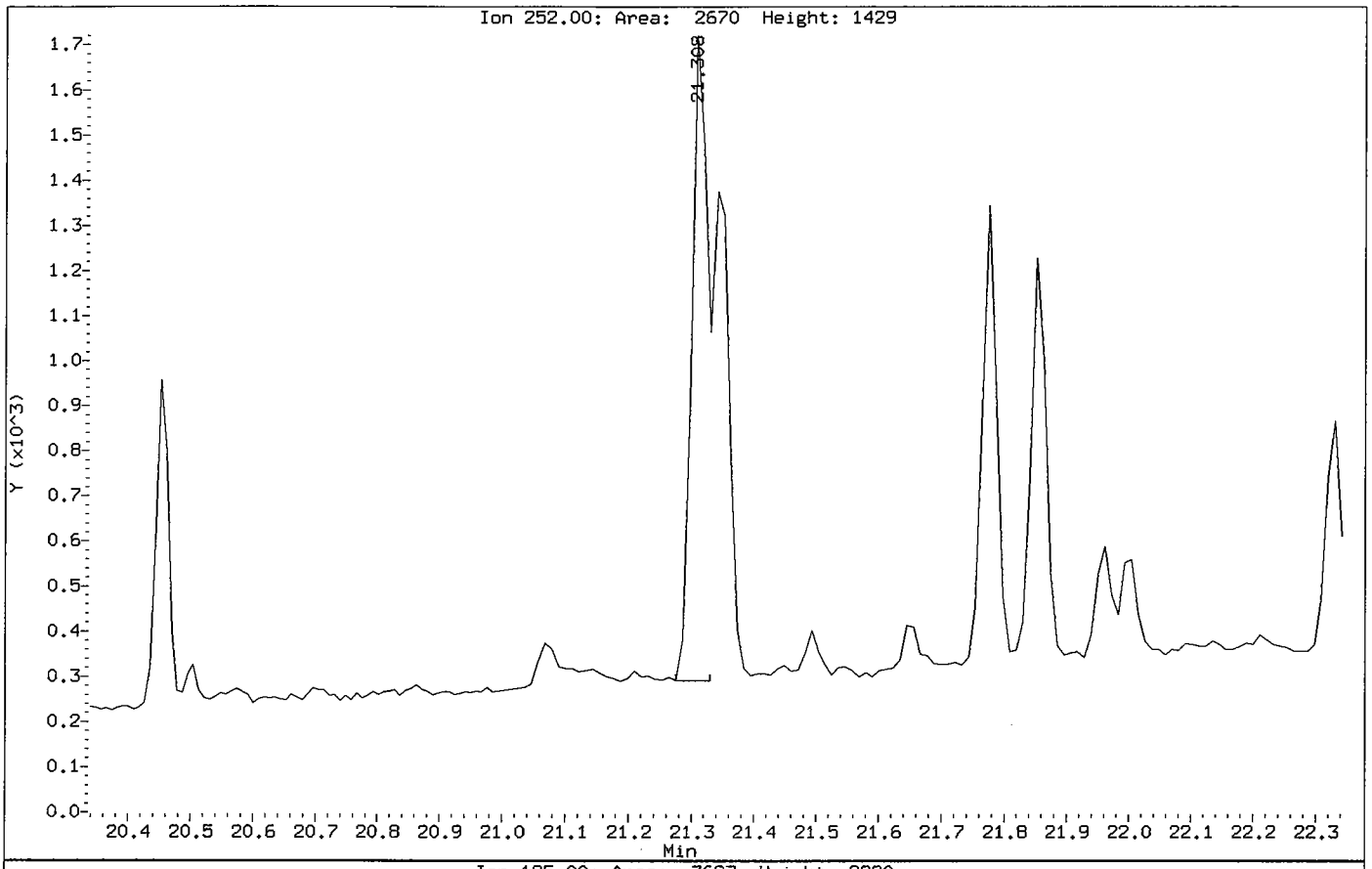
Benzo(k)fluoranthene CAS Number 207-08-9 Area = 2319 Manually integrated

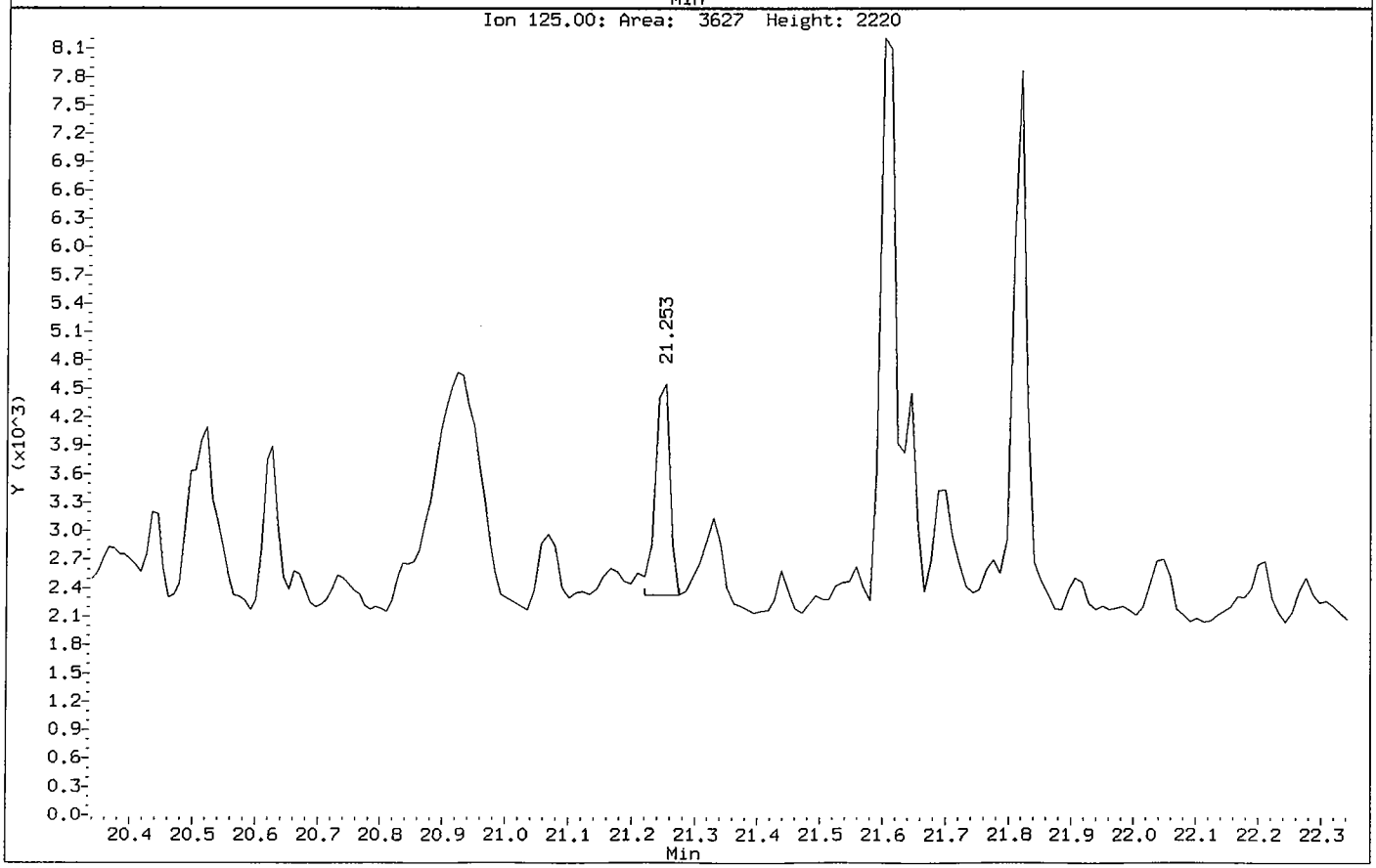


File name: /chem/5972hp66.i/DS100525A66.b/1005134-02A66.d
Client ID: SS02D-0-1
Instrument ID: 5972hp66.i
Injection Date and Time: 26-MAY-2010 03:27
Retention Time: 21.34
Operator ID: 2730

Data File: /chem/5972hp66.i/DS100525A66.b/1005134-02A66.d
Injection Date: 26-MAY-2010 03:27
Instrument: 5972hp66.i
Client Sample ID: SS02D-0-1

Compound: Benzo(k)fluoranthene
CAS Number: 207-08-9





Data File: /chem/5972hp66.i/DS100525A66.b/1005134-02A66.d

Date : 26-MAY-2010 03:27

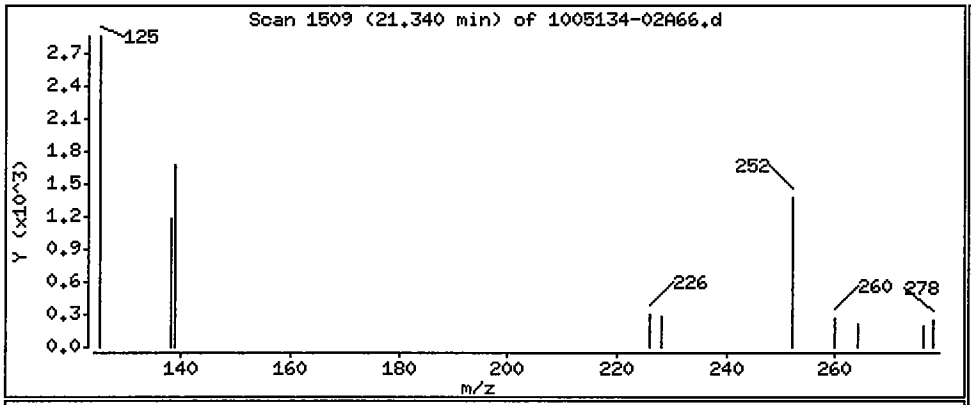
Client ID: SS02D-0-1 Instrument: 5972hp66.i

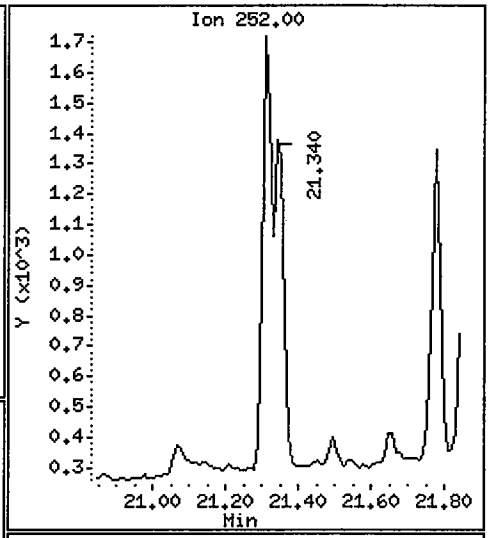
Sample Info: 1005134-02:2730

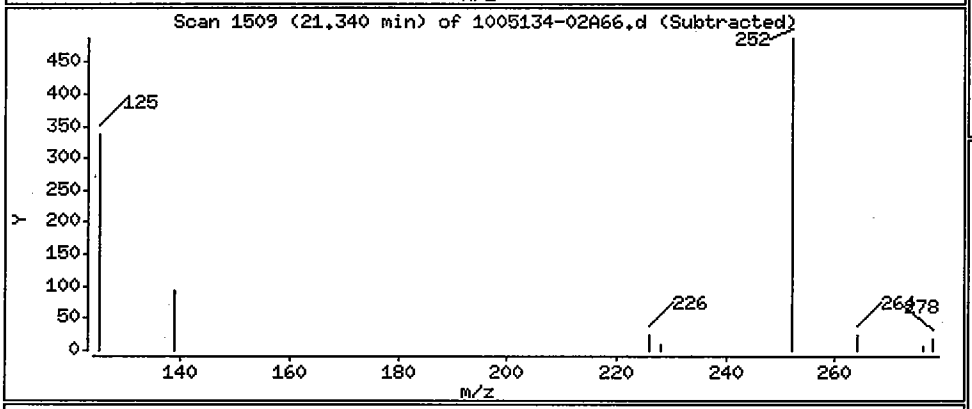
Volume Injected (uL): 2.0 Operator: 2730

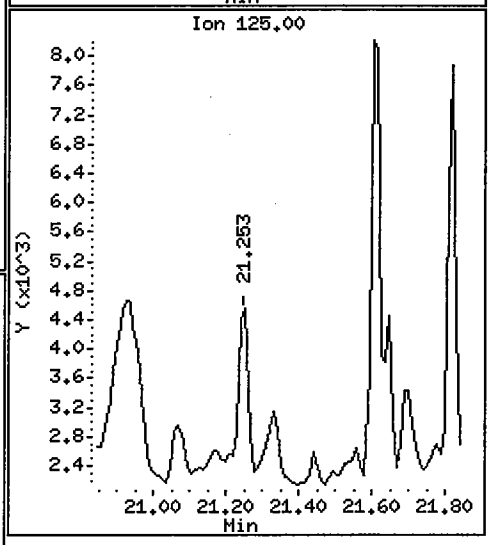
Column phase: Rtx-5MS Column diameter: 0.32

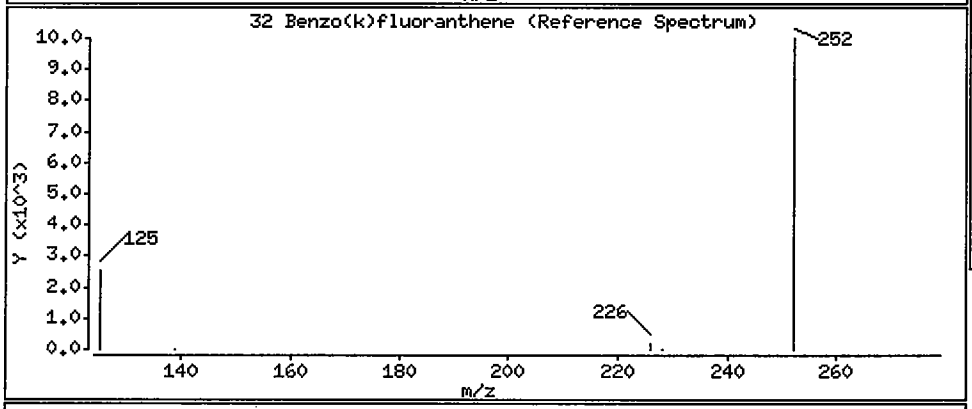
32 Benzo(k)fluoranthene Concentration: 0.50 ug/Kg

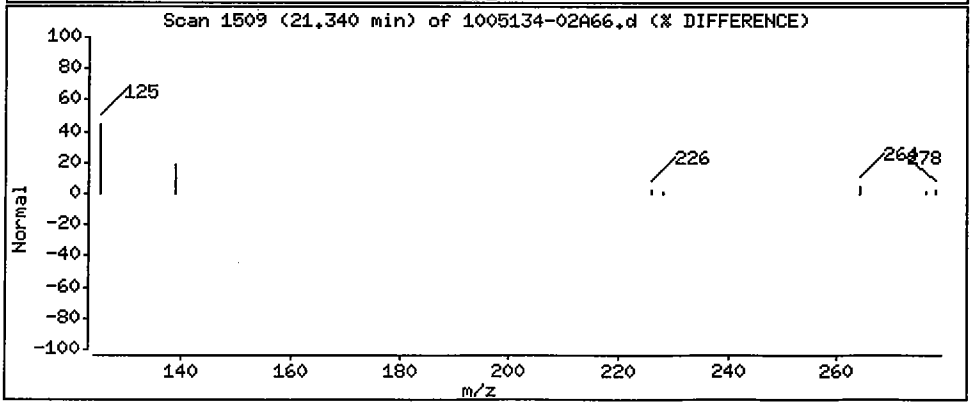












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SS12-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/19/10

Lab Sample ID: 1005134-15
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005134-15B70
Analyst: TD

% Moisture: 8 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK2

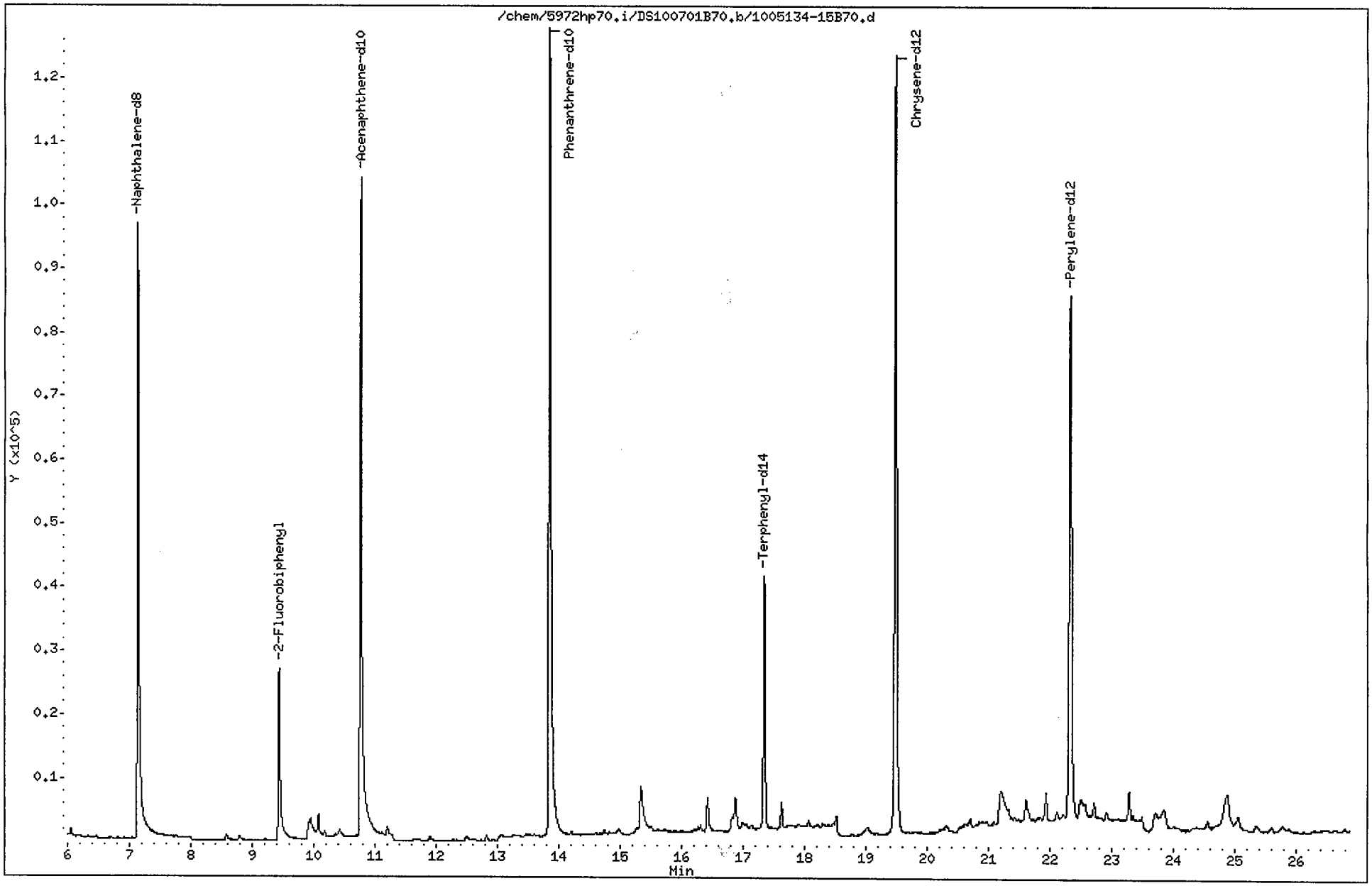
Date Extracted: 05/25/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.78	9.0	ND	U
91-57-6	2-Methylnaphthalene	0.74	9.0	ND	U
208-96-8	Acenaphthylene	0.58	9.0	ND	U
83-32-9	Acenaphthene	0.65	9.0	ND	U
86-73-7	Fluorene	0.49	9.0	ND	U
85-01-8	Phenanthrene	1.4	9.0	ND	U
120-12-7	Anthracene	0.47	9.0	ND	U
206-44-0	Fluoranthene	1.4	9.0	ND	U
129-00-0	Pyrene	0.62	9.0	0.76	J
56-55-3	Benzo(a)anthracene	0.62	9.0	ND	U
218-01-9	Chrysene	0.69	9.0	ND	U
205-99-2	Benzo(b)fluoranthene	0.62	9.0	0.64	J
207-08-9	Benzo(k)fluoranthene	0.47	9.0	ND	U
50-32-8	Benzo(a)pyrene	0.42	9.0	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.40	9.0	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.36	9.0	ND	U
191-24-2	Benzo(g,h,i)perylene	0.42	9.0	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp70.i/DS100701B70.b/1005134-15B70.d
Date : 02-JUL-2010 01:59
Client ID: SS12-0-1
Sample Info: 1005134-15:TD
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: TD
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701B70.b/1005134-15B70.d
Report Date: 06-Jul-2010 16:23

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701B70.b/1005134-15B70.d
Lab Smp Id: 1005134-15 Client Smp ID: SS12-0-1
Inj Date : 02-JUL-2010 01:59
Operator : TD Inst ID: 5972hp70.i
Smp Info : 1005134-15:TD
Misc Info : SS12-0-1
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701B70.b/SIM_8270Cv3DOD.m
Meth Date : 06-Jul-2010 15:50 mead Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	8.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)	
*	1 1,4-Dichlorobenzene-d4	152	4.840	4.848	(1.000)	47728	2.00000		(a)
*	2 Naphthalene-d8	136	7.138	7.162	(1.000)	191999	2.00000		(a)
*	3 Acenaphthene-d10	164	10.769	10.784	(1.000)	122311	2.00000		(a)
*	4 Phenanthrene-d10	188	13.854	13.872	(1.000)	248314	2.00000		(a)
*	5 Chrysene-d12	240	19.484	19.499	(1.000)	219418	2.00000		(a)
*	6 Perylene-d12	264	22.331	22.344	(1.000)	188759	2.00000		(a)
$	9 Nitrobenzene-d5	82	5.863	5.880	(0.821)	35627	0.57341	10	
$	10 2-Fluorobiphenyl	172	9.436	9.460	(0.876)	46732	0.55439	10	
$	12 Terphenyl-d14	244	17.345	17.362	(0.890)	59423	0.76083	14	
	13 Naphthalene	128	Compound Not Detected.						
	15 2-Methylnaphthalene	141	Compound Not Detected.						
	17 Acenaphthylene	152	Compound Not Detected.						
	18 Acenaphthene	154	Compound Not Detected.						

pm 7/6/10

Data File: /chem/5972hp70.i/DS100701B70.b/1005134-15B70.d
Report Date: 06-Jul-2010 16:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	16.877	16.894	(0.866)	6676	0.04210	0.76(a)
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	21.612	21.625	(0.968)	3924	0.03552	0.64(aM)
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

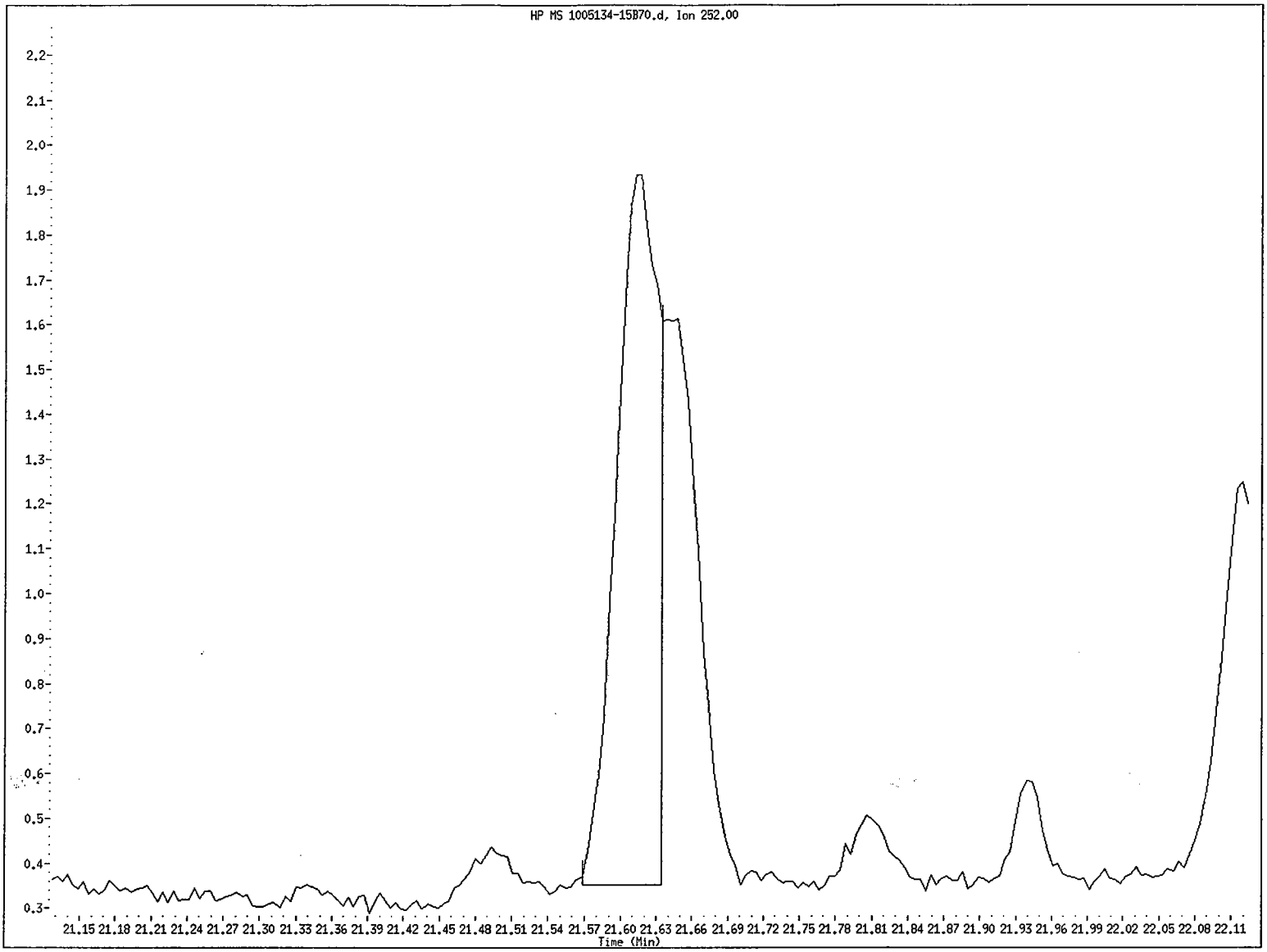
2

pm 7/6/10

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Benzo(b)fluoranthene CAS Number 205-99-2 Area = 3924 Manually integrated



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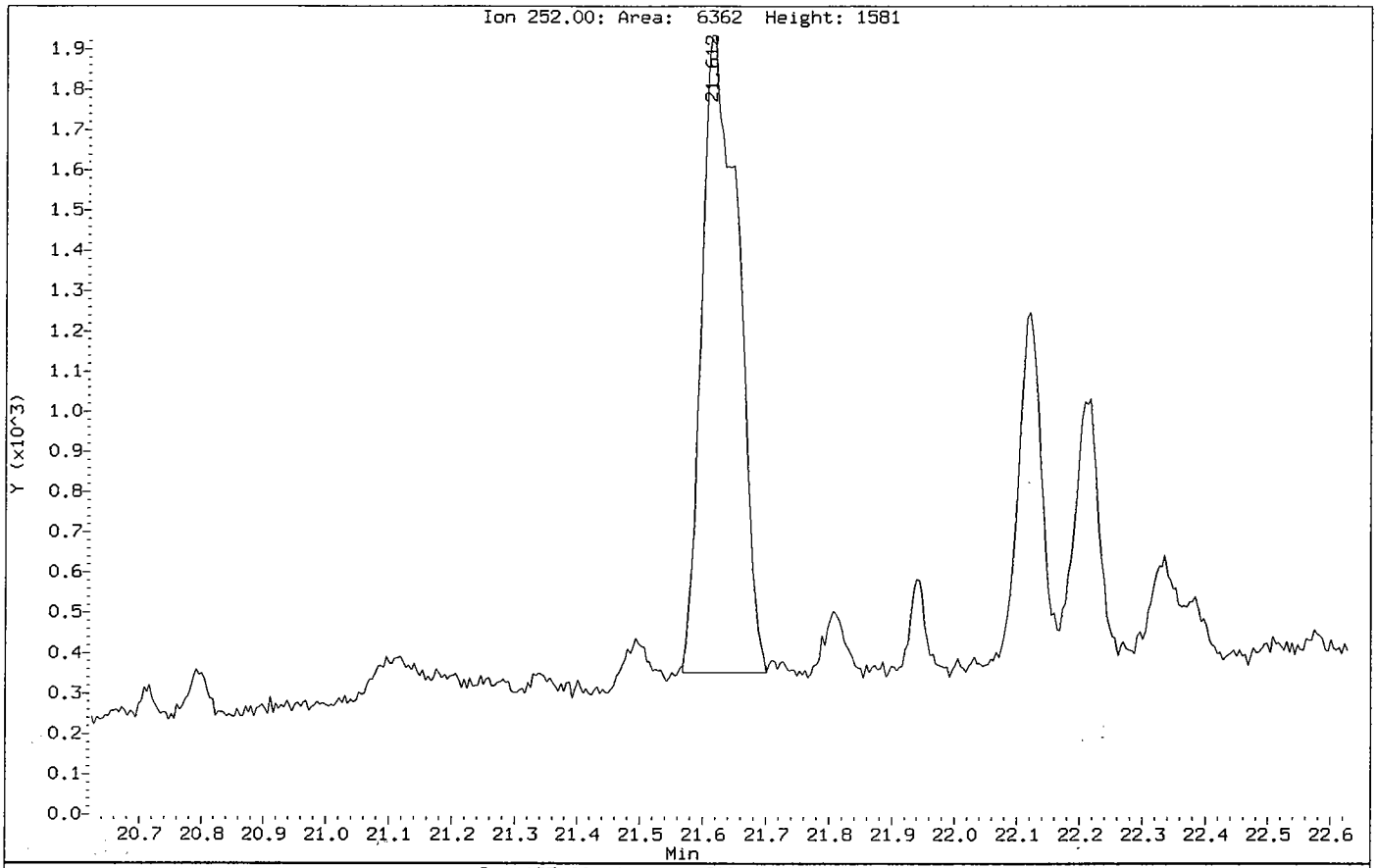
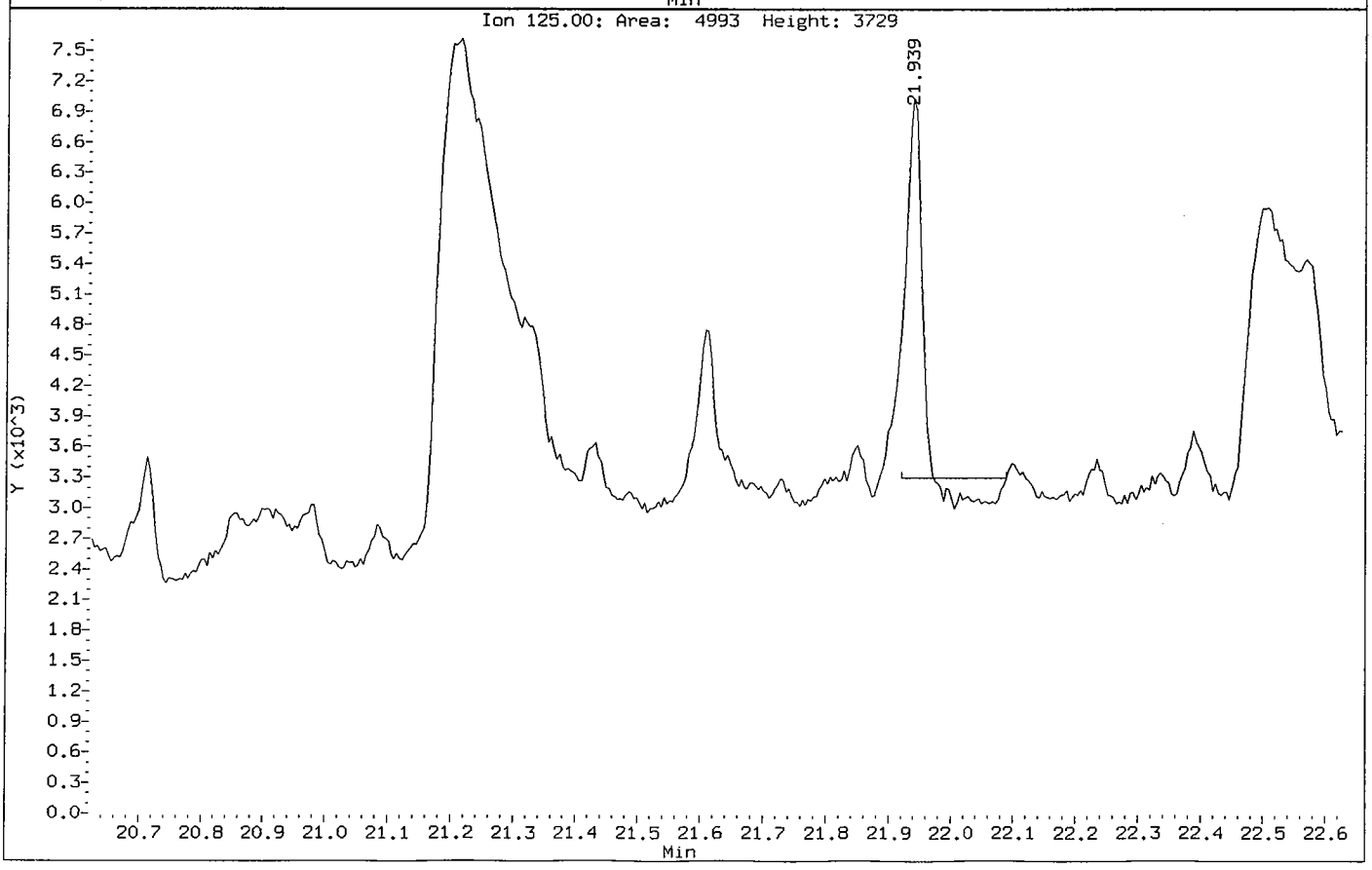
Client ID: SS12-0-1
Instrument ID: 5972hp70.i
Injection Date and Time: 02-JUL-2010 01:59
Retention Time: 21.61
Operator ID: TD

Data File: /chem/5972hp70.i/DS100701B70.b/1005134-15B70.d
Injection Date: 02-JUL-2010 01:59
Instrument: 5972hp70.i
Client Sample ID: SS12-0-1

Compound: Benzo(b)fluoranthene
CAS Number: 205-99-2





Data File: /chem/5972hp70.i/DS100701B70.b/1005134-15B70.d

Date : 02-JUL-2010 01:59

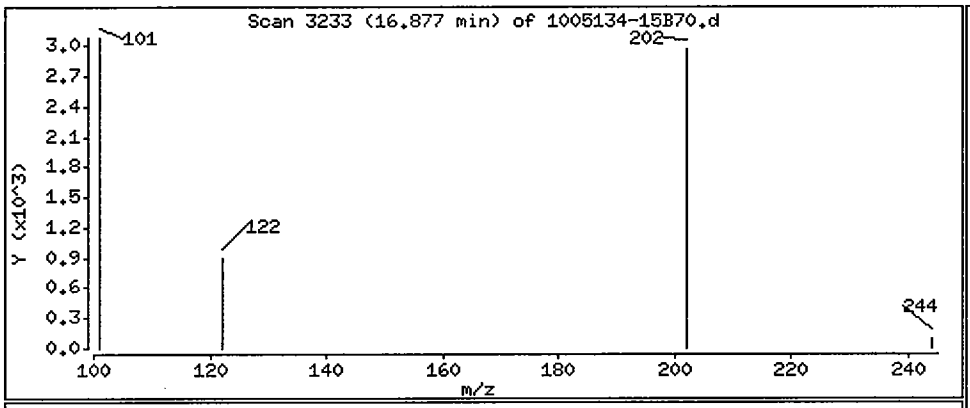
Client ID: SS12-0-1 Instrument: 5972hp70.i

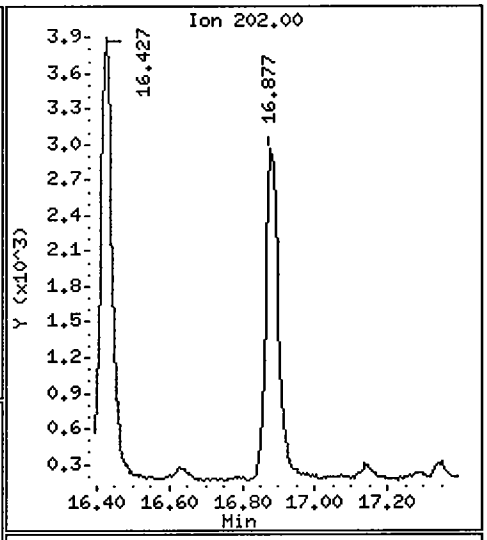
Sample Info: 1005134-15;TD

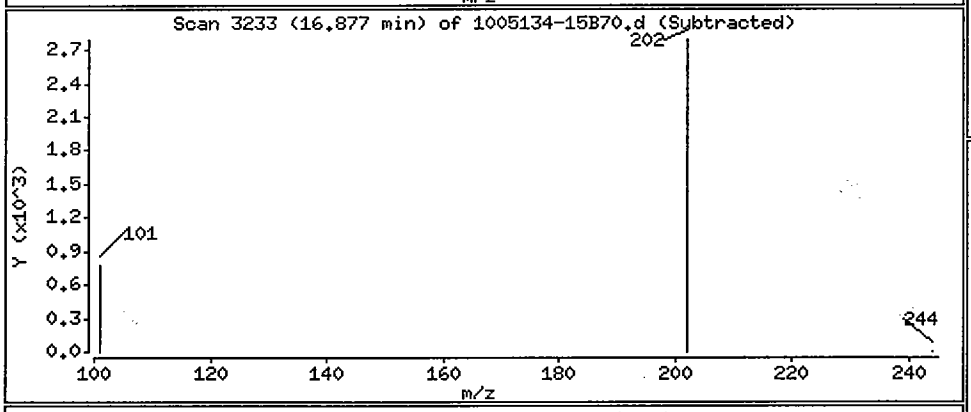
Volume Injected (uL): 2.0 Operator: TD

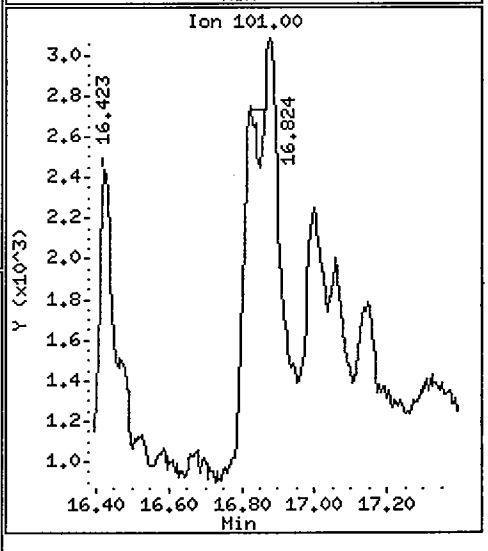
Column phase: Rtx-5MS Column diameter: 0.32

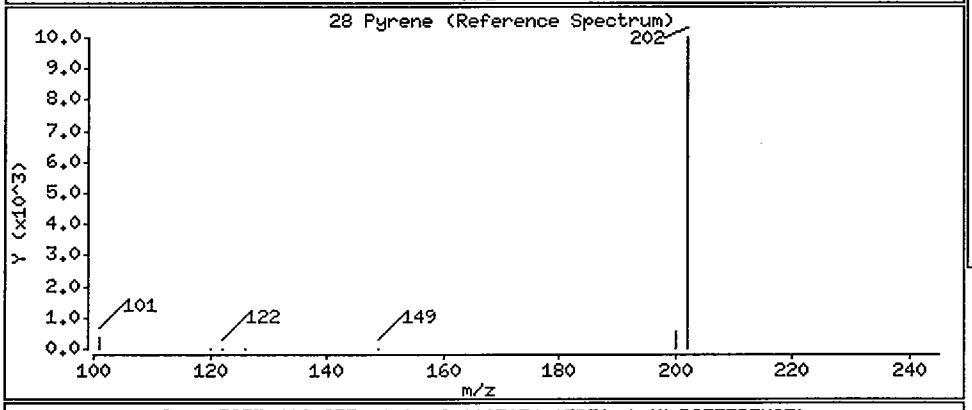
28 Pyrene Concentration: 0.76 ug/Kg

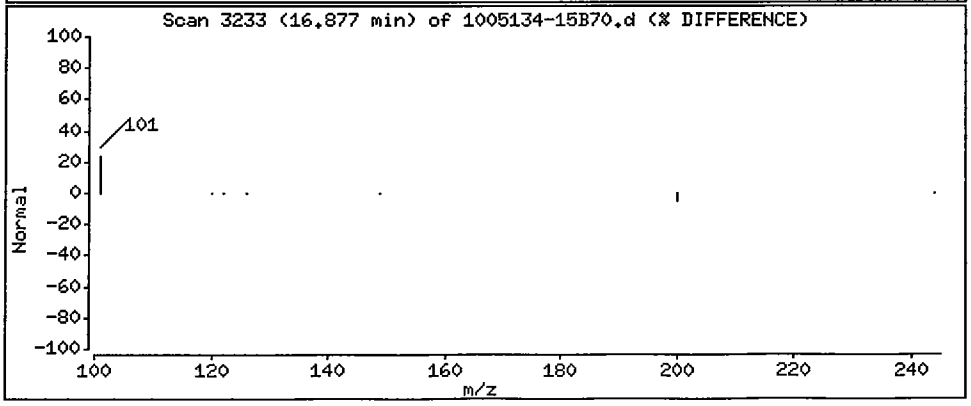












Data File: /chem/5972hp70.i/DS100701B70.b/1005134-15B70.d

Date : 02-JUL-2010 01:59

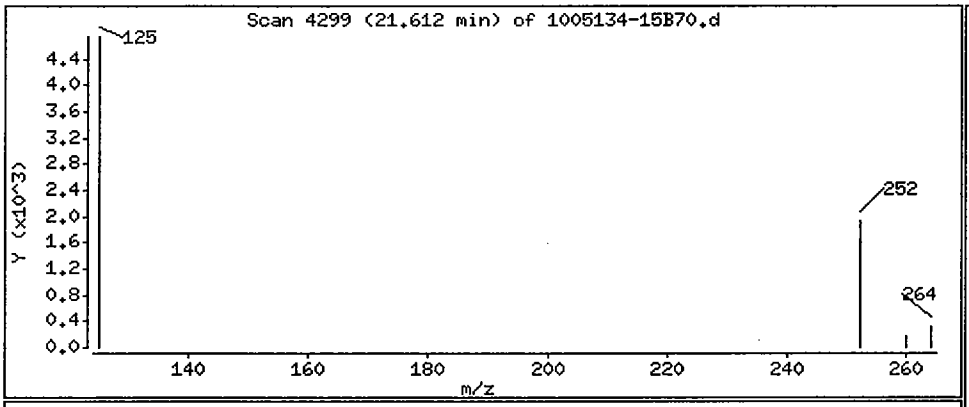
Client ID: SS12-0-1 Instrument: 5972hp70.i

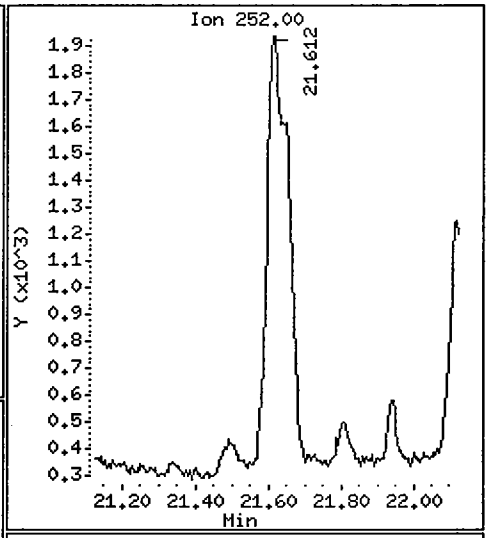
Sample Info: 1005134-15:TD

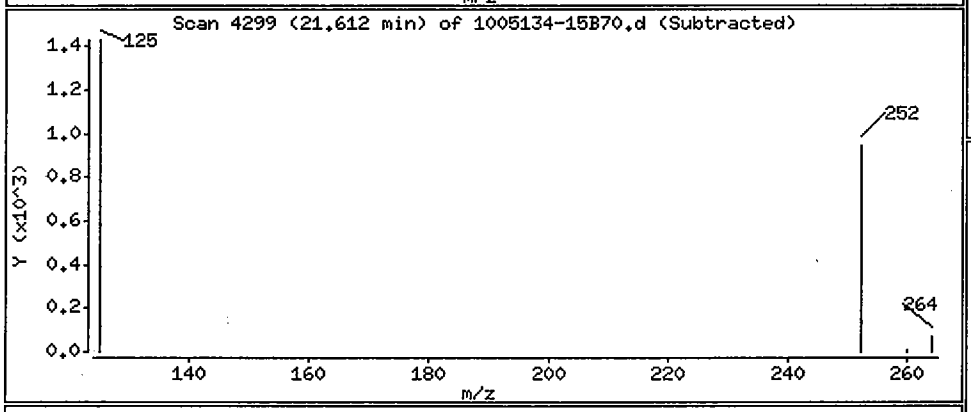
Volume Injected (uL): 2.0 Operator: TD

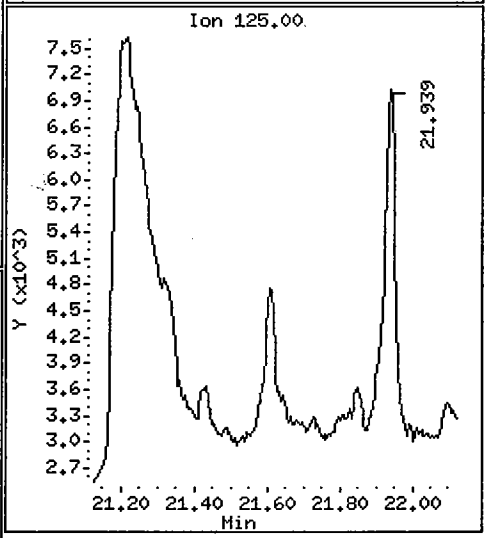
Column phase: Rtx-5MS Column diameter: 0.32

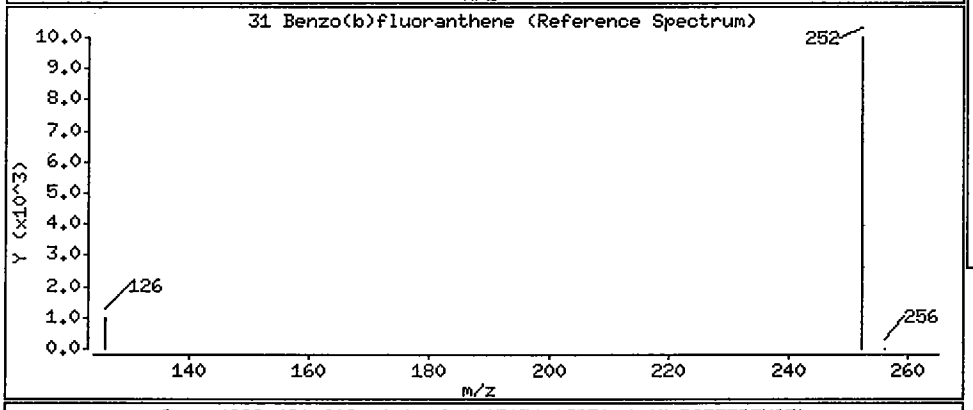
31 Benzo(b)fluoranthene Concentration: 0.64 ug/Kg

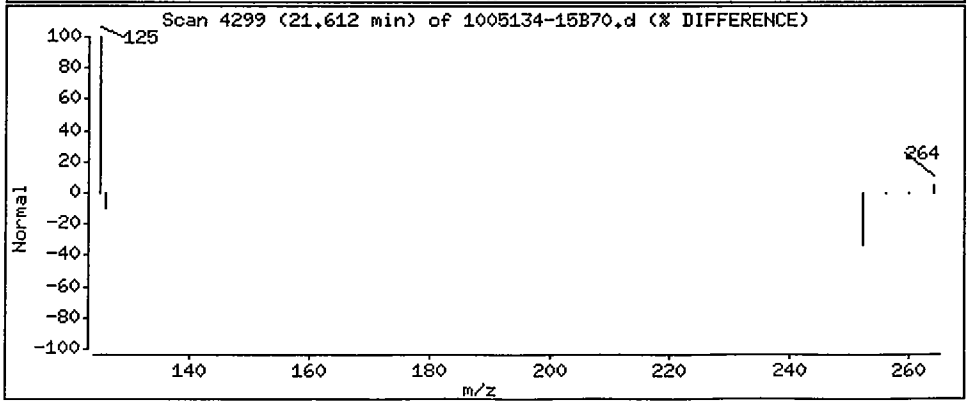












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SS12-0-1RE

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/19/10

Lab Sample ID: 1005134-15RE1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005134-15RB70
Analyst: TD

% Moisture: 8 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

Date Extracted: 06/02/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

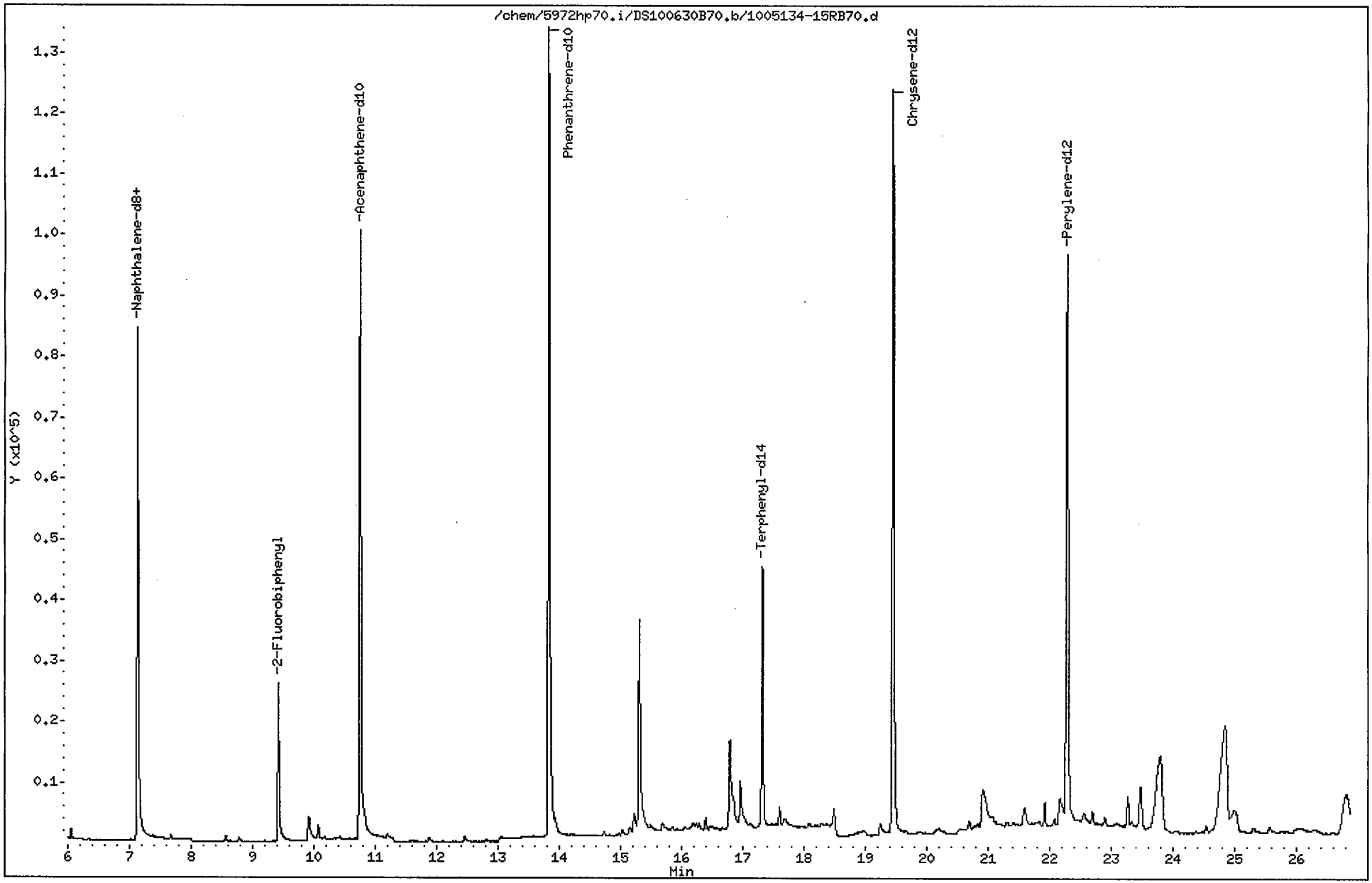
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.78	9.0	0.97	JB
91-57-6	2-Methylnaphthalene	0.74	9.0	ND	U
208-96-8	Acenaphthylene	0.58	9.0	ND	U
83-32-9	Acenaphthene	0.65	9.0	ND	U
86-73-7	Fluorene	0.49	9.0	ND	U
85-01-8	Phenanthrene	1.4	9.0	ND	U
120-12-7	Anthracene	0.47	9.0	ND	U
206-44-0	Fluoranthene	1.4	9.0	ND	U
129-00-0	Pyrene	0.62	9.0	ND	U
56-55-3	Benzo(a)anthracene	0.62	9.0	ND	U
218-01-9	Chrysene	0.69	9.0	ND	U
205-99-2	Benzo(b)fluoranthene	0.62	9.0	ND	U
207-08-9	Benzo(k)fluoranthene	0.47	9.0	ND	U
50-32-8	Benzo(a)pyrene	0.42	9.0	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.40	9.0	4.3	J
53-70-3	Dibenzo(a,h)anthracene	0.36	9.0	ND	U
191-24-2	Benzo(g,h,i)perylene	0.42	9.0	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100630B70.b/1005134-15RB70.d
Date : 01-JUL-2010 04:24
Client ID: SS12-0-1RE
Sample Info: 1005134-15:TD
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: TD
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630B70.b/1005134-15RB70.d
Report Date: 02-Jul-2010 12:16

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630B70.b/1005134-15RB70.d
Lab Smp Id: 1005134-15 Client Smp ID: SS12-0-1RE
Inj Date : 01-JUL-2010 04:24
Operator : TD Inst ID: 5972hp70.i
Smp Info : 1005134-15:TD
Misc Info : SS12-0-1RE
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630B70.b/SIM_8270Cv3DOD.m
Meth Date : 02-Jul-2010 12:02 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	8.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
* 1 1,4-Dichlorobenzene-d4	152	4.837	4.823	(1.000)	34346	2.00000		(a)
* 2 Naphthalene-d8	136	7.131	7.130	(1.000)	135447	2.00000		(a)
* 3 Acenaphthene-d10	164	10.756	10.757	(1.000)	95816	2.00000		(a)
* 4 Phenanthrene-d10	188	13.833	13.831	(1.000)	205712	2.00000		(a)
* 5 Chrysene-d12	240	19.453	19.458	(1.000)	182679	2.00000		(a)
* 6 Perylene-d12	264	22.291	22.295	(1.000)	171674	2.00000		(a)
$ 9 Nitrobenzene-d5	82	5.865	5.855	(0.822)	21623	0.49332	8.9	
$ 10 2-Fluorobiphenyl	172	9.423	9.428	(0.876)	35336	0.53511	9.7	
$ 12 Terphenyl-d14	244	17.328	17.331	(0.891)	54871	0.84383	15	
13 Naphthalene	128	7.170	7.161	(1.005)	4647	0.05373	0.97	(aM)
15 2-Methylnaphthalene	141	Compound Not Detected.						
17 Acenaphthylene	152	Compound Not Detected.						
18 Acenaphthene	154	Compound Not Detected.						

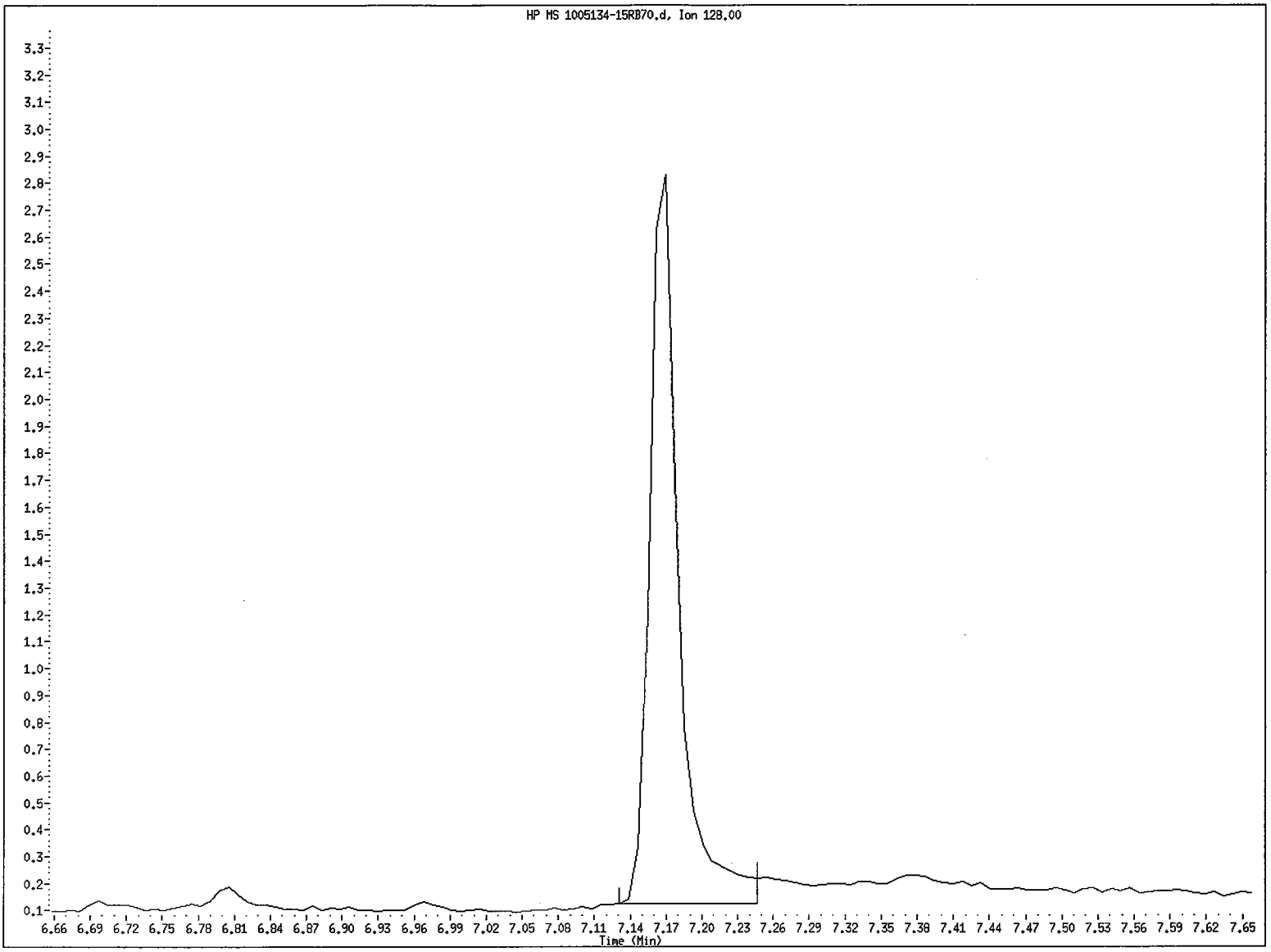
Data File: /chem/5972hp70.i/DS100630B70.b/1005134-15RB70.d
Report Date: 02-Jul-2010 12:16

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	24.635	24.635	(1.105)	824	0.23516	4.3(a)
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

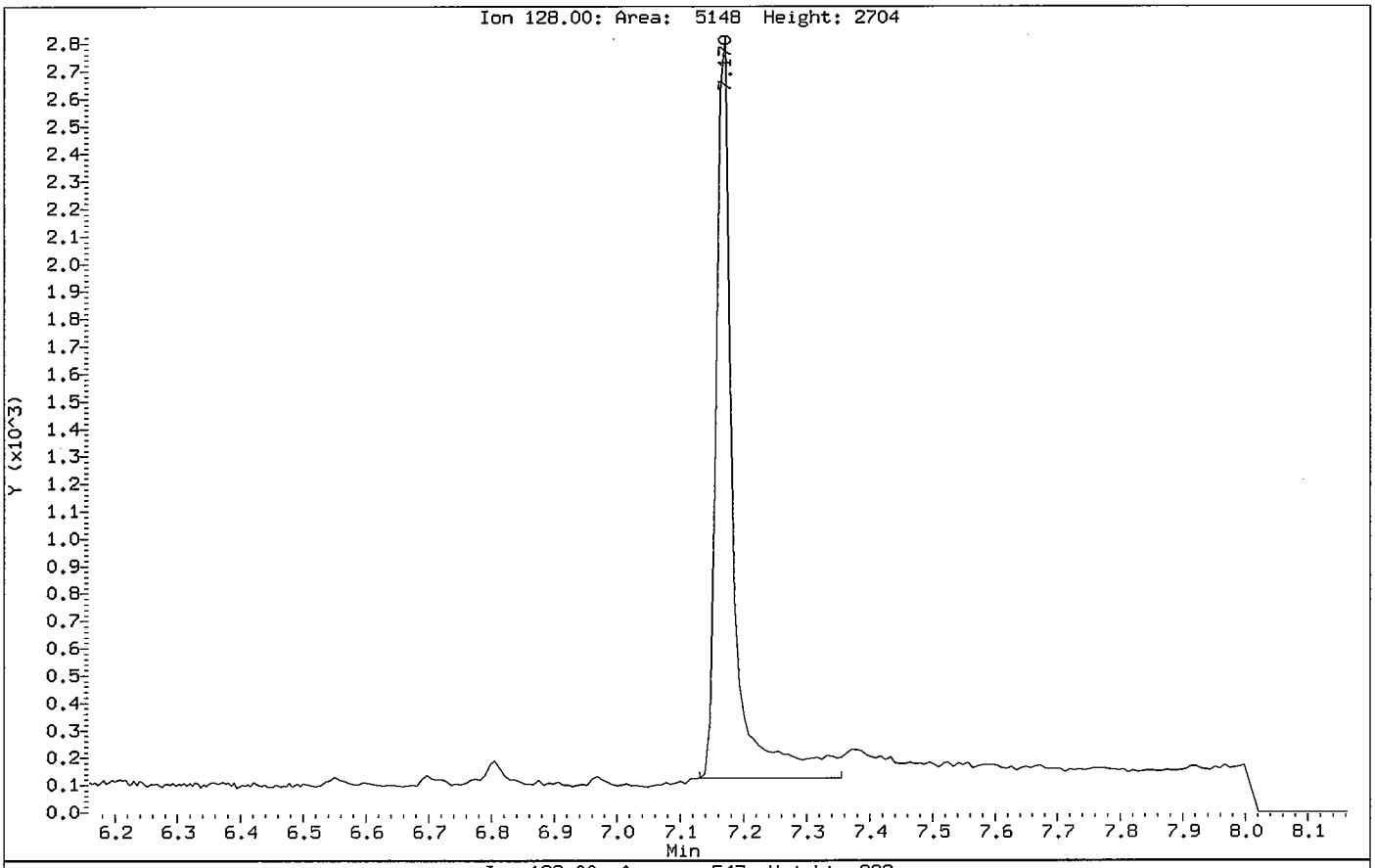
Naphthalene CAS Number 91-20-3 Area = 4647 Manually integrated

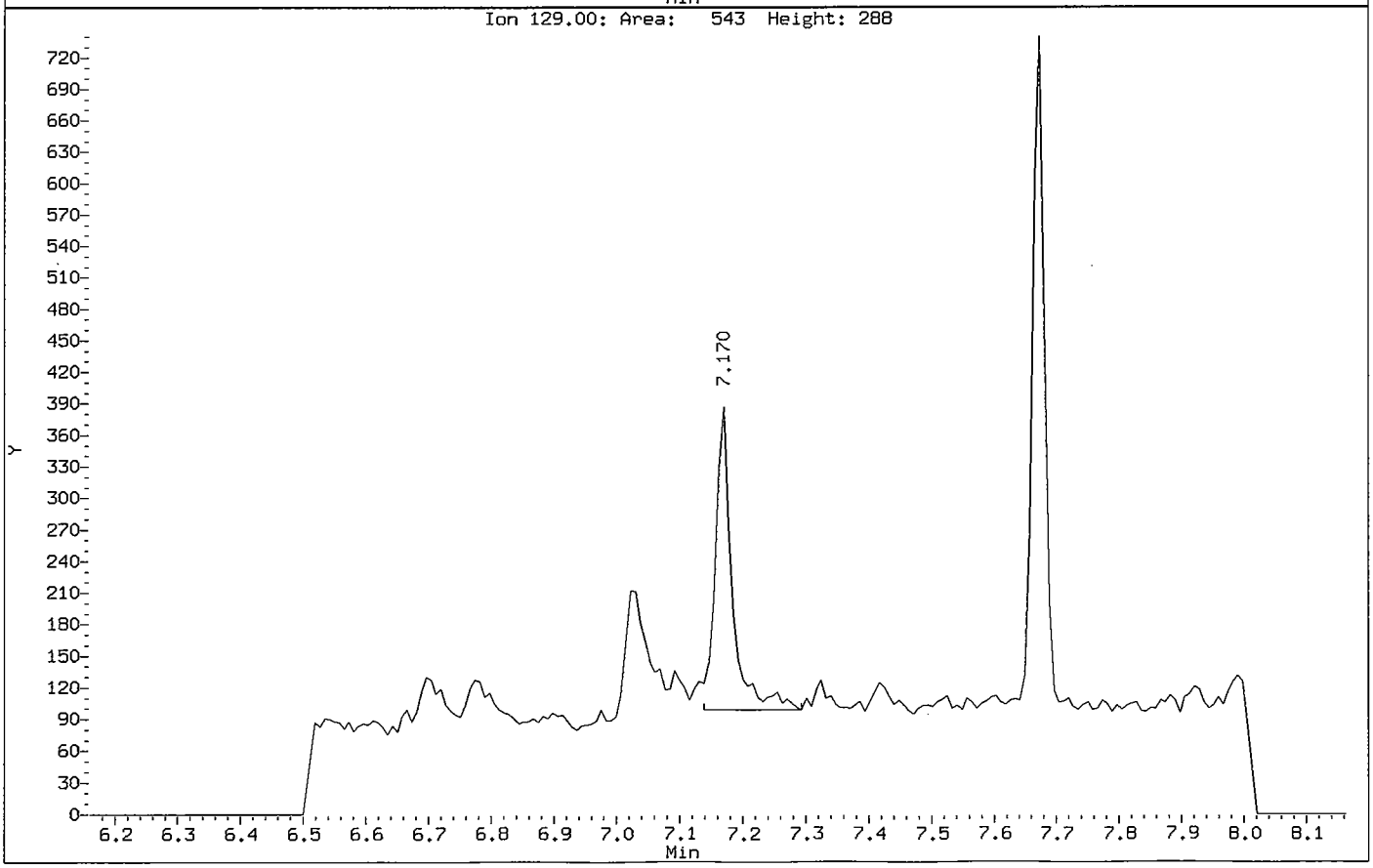


File name: /chem/5972hp70.i/DS100630B70.b/1005134-15RB70.d
Client ID: SS12-0-1RE
Instrument ID: 5972hp70.i
Injection Date and Time: 01-JUL-2010 04:24
Retention Time: 7.17
Operator ID: TD

Data File: /chem/5972hp70.i/DS100630B70.b/1005134-15RB70.d
Injection Date: 01-JUL-2010 04:24
Instrument: 5972hp70.i
Client Sample ID: SS12-0-1RE

Compound: Naphthalene
CAS Number: 91-20-3





Data File: /chem/5972hp70.i/DS100630B70.b/1005134-15RB70.d

Date : 01-JUL-2010 04:24

Client ID: SS12-0-1RE

Instrument: 5972hp70.i

Sample Info: 1005134-15:TD

Volume Injected (uL): 2.0

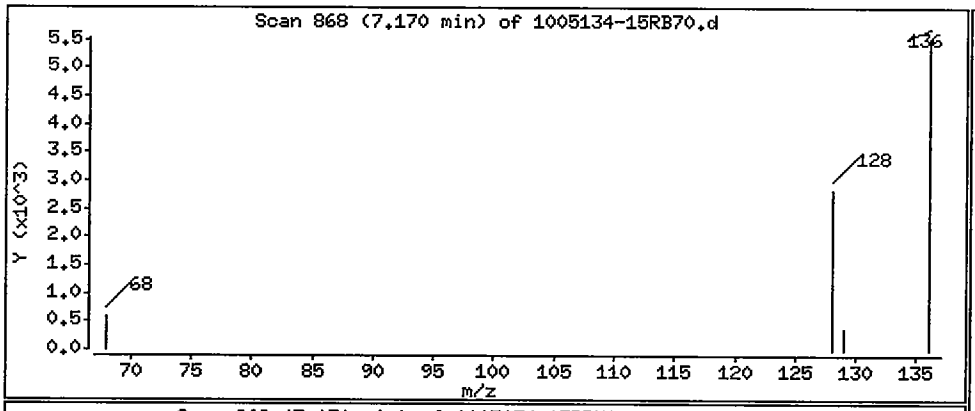
Operator: TD

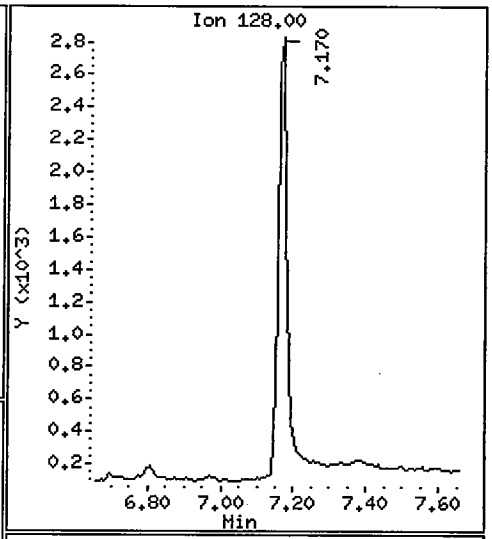
Column phase: Rtx-5MS

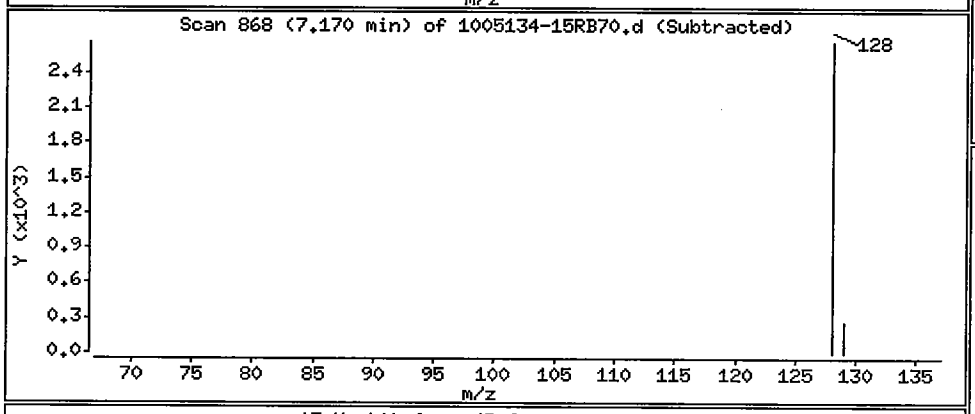
Column diameter: 0.32

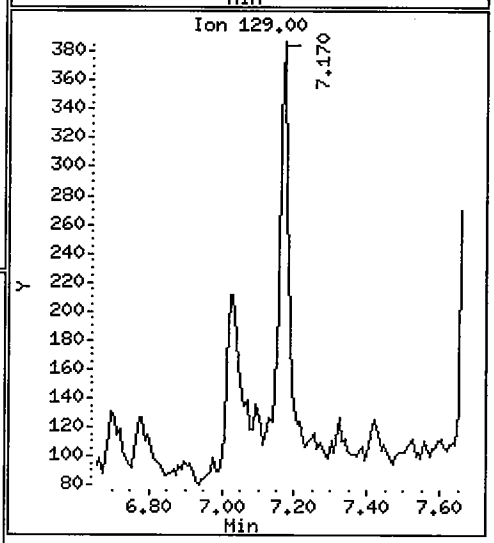
13 Naphthalene

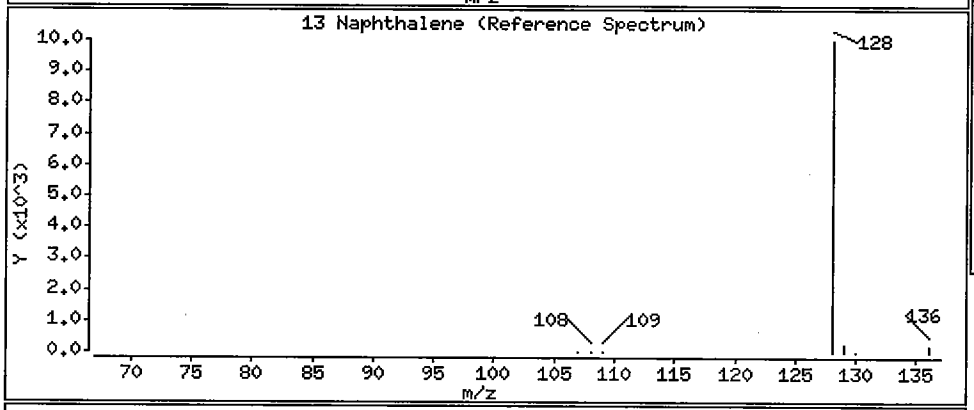
Concentration: 0.97 ug/Kg

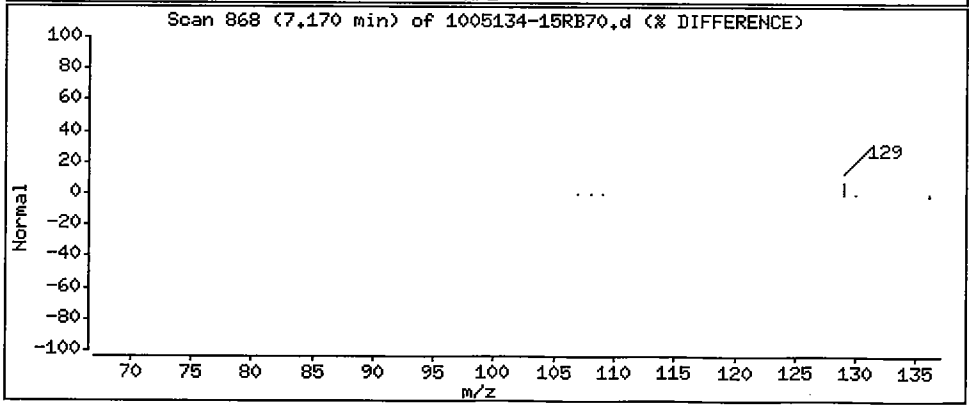












Data File: /chem/5972hp70.i/DS100630B70.b/1005134-15RB70.d

Date : 01-JUL-2010 04:24

Client ID: SS12-0-1RE

Instrument: 5972hp70.i

Sample Info: 1005134-15:TD

Volume Injected (uL): 2.0

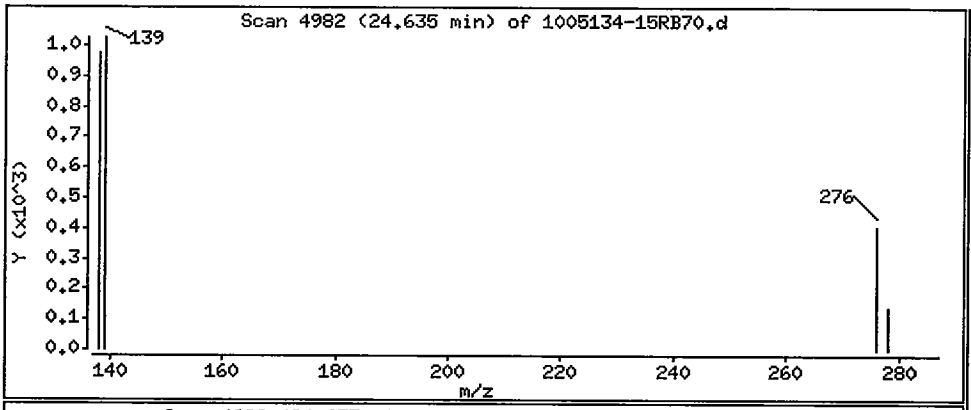
Operator: TD

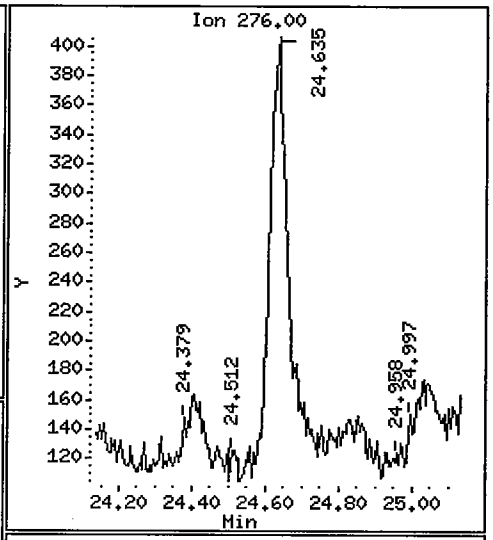
Column phase: Rtx-5MS

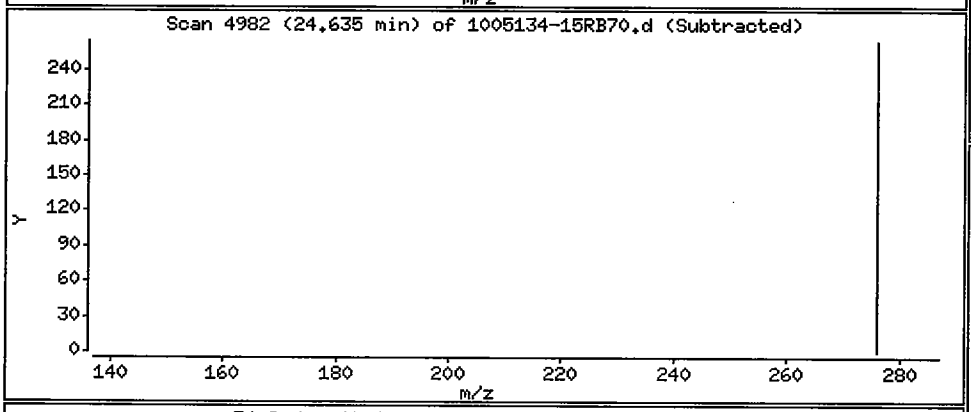
Column diameter: 0.32

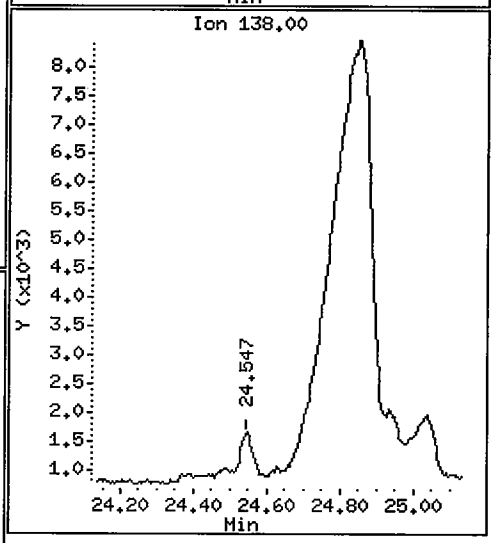
34 Indeno(1,2,3-cd)pyrene

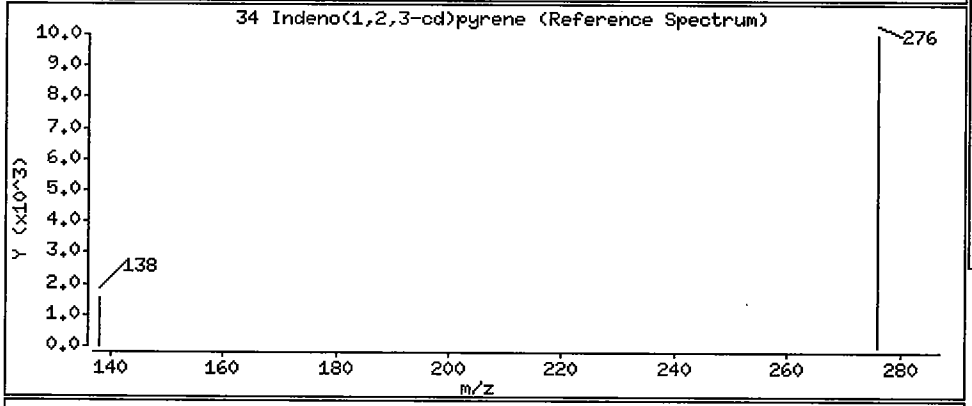
Concentration: 4.3 ug/Kg

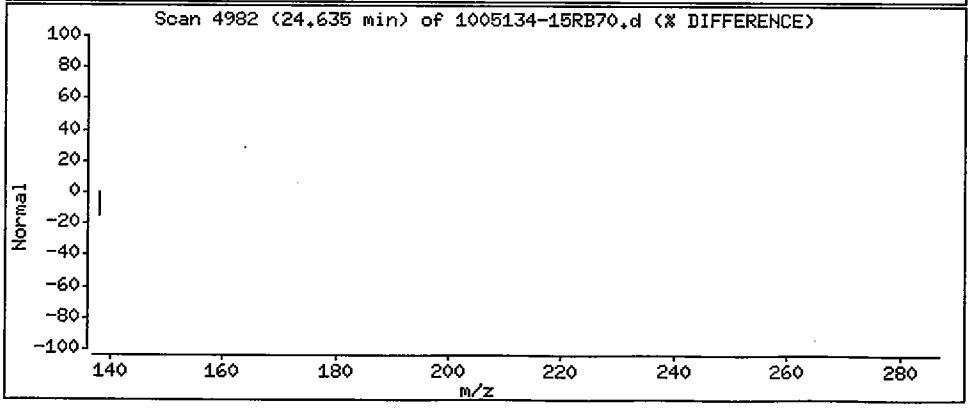












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SS31-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/17/10

Lab Sample ID: 1005134-09
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005134-09A66
Analyst: 2650

% Moisture: 22 decanted: (Y/N) Y
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK1

Date Extracted: 05/25/10
Date Analyzed: 06/01/10
Dilution Factor: 1.0

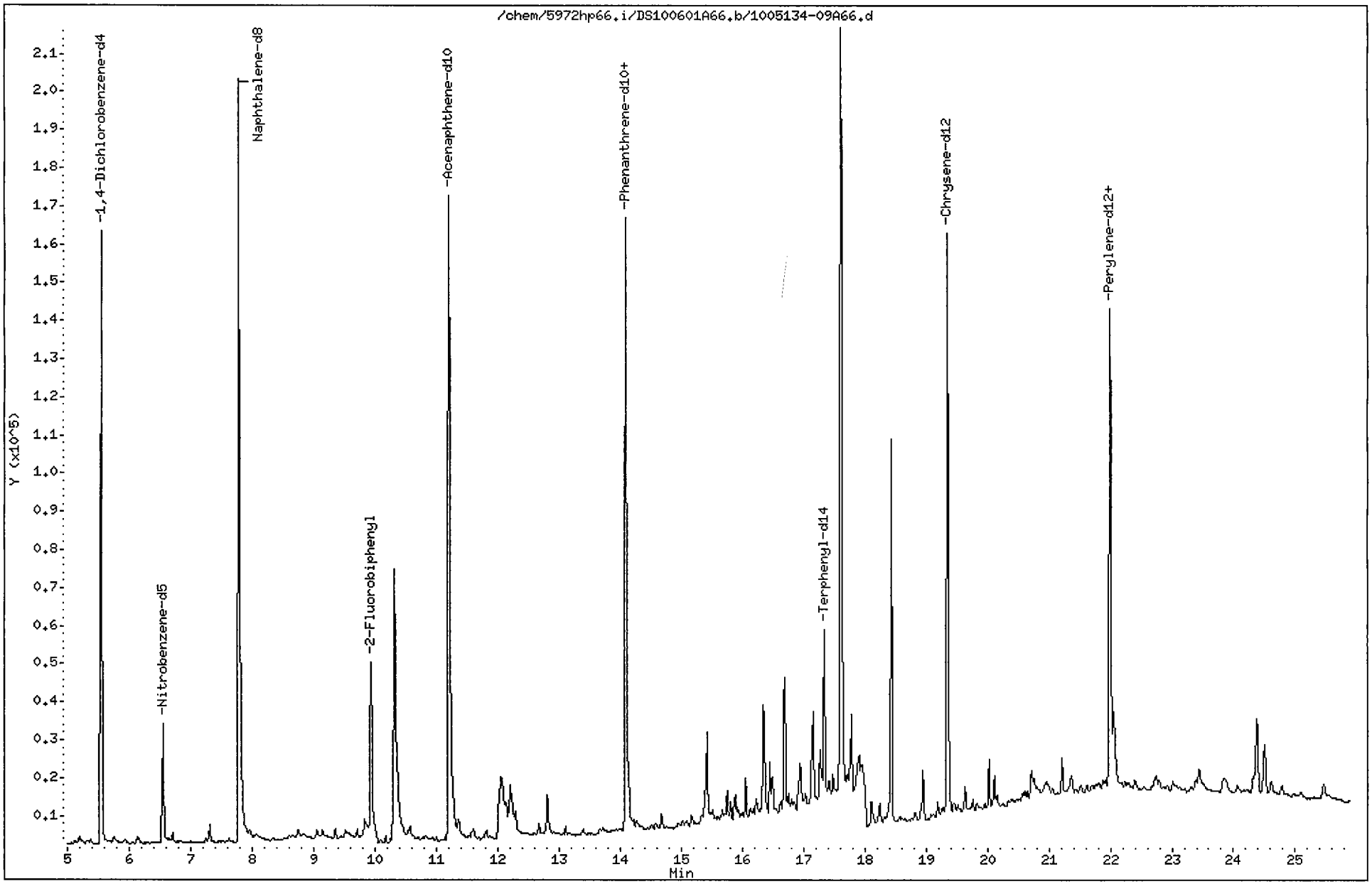
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.92	11	ND	U
91-57-6	2-Methylnaphthalene	0.88	11	ND	U
208-96-8	Acenaphthylene	0.68	11	ND	U
83-32-9	Acenaphthene	0.77	11	ND	U
86-73-7	Fluorene	0.58	11	ND	U
85-01-8	Phenanthrene	1.7	11	2.1	J
120-12-7	Anthracene	0.56	11	ND	U
206-44-0	Fluoranthene	1.7	11	ND	U
129-00-0	Pyrene	0.73	11	1.2	J
56-55-3	Benzo(a)anthracene	0.73	11	ND	U
218-01-9	Chrysene	0.81	11	ND	U
205-99-2	Benzo(b)fluoranthene	0.73	11	ND	U
207-08-9	Benzo(k)fluoranthene	0.56	11	ND	U
50-32-8	Benzo(a)pyrene	0.49	11	0.51	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.47	11	0.53	J
53-70-3	Dibenzo(a,h)anthracene	0.43	11	ND	U
191-24-2	Benzo(g,h,i)perylene	0.49	11	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp66.i/DS100601A66.b/1005134-09A66.d
Date : 01-JUN-2010 23:40
Client ID: SS31-0-1
Sample Info: 1005134-09:2650
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: 2650
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100601A66.b/1005134-09A66.d
Report Date: 07-Jul-2010 17:17

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100601A66.b/1005134-09A66.d
Lab Smp Id: 1005134-09 Client Smp ID: SS31-0-1
Inj Date : 01-JUN-2010 23:40
Operator : 2650 Inst ID: 5972hp66.i
Smp Info : 1005134-09:2650
Misc Info : SS31-0-1
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100601A66.b/SIM_8270Cv2DOD.m
Meth Date : 07-Jul-2010 14:32 parikh Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	22.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	5.545	5.531	(1.000)	92212	2.00000	
* 2 Naphthalene-d8	136	7.787	7.773	(1.000)	339629	2.00000	
* 3 Acenaphthene-d10	164	11.204	11.192	(1.000)	150173	2.00000	
* 4 Phenanthrene-d10	188	14.088	14.074	(1.000)	267466	2.00000	
* 5 Chrysene-d12	240	19.353	19.328	(1.000)	225116	2.00000	
* 6 Perylene-d12	264	21.994	21.960	(1.000)	199270	2.00000	
$ 9 Nitrobenzene-d5	82	6.549	6.534	(0.841)	38620	0.51102	11
$ 10 2-Fluorobiphenyl	172	9.938	9.923	(0.887)	60637	0.38694	8.3(R)
$ 12 Terphenyl-d14	244	17.334	17.320	(0.896)	54398	0.66506	14
13 Naphthalene	128	Compound Not Detected.					
15 2-Methylnaphthalene	141	Compound Not Detected.					
17 Acenaphthylene	152	Compound Not Detected.					
18 Acenaphthene	154	Compound Not Detected.					

SAR 07/07/10

Data File: /chem/5972hp66.i/DS100601A66.b/1005134-09A66.d
Report Date: 07-Jul-2010 17:17

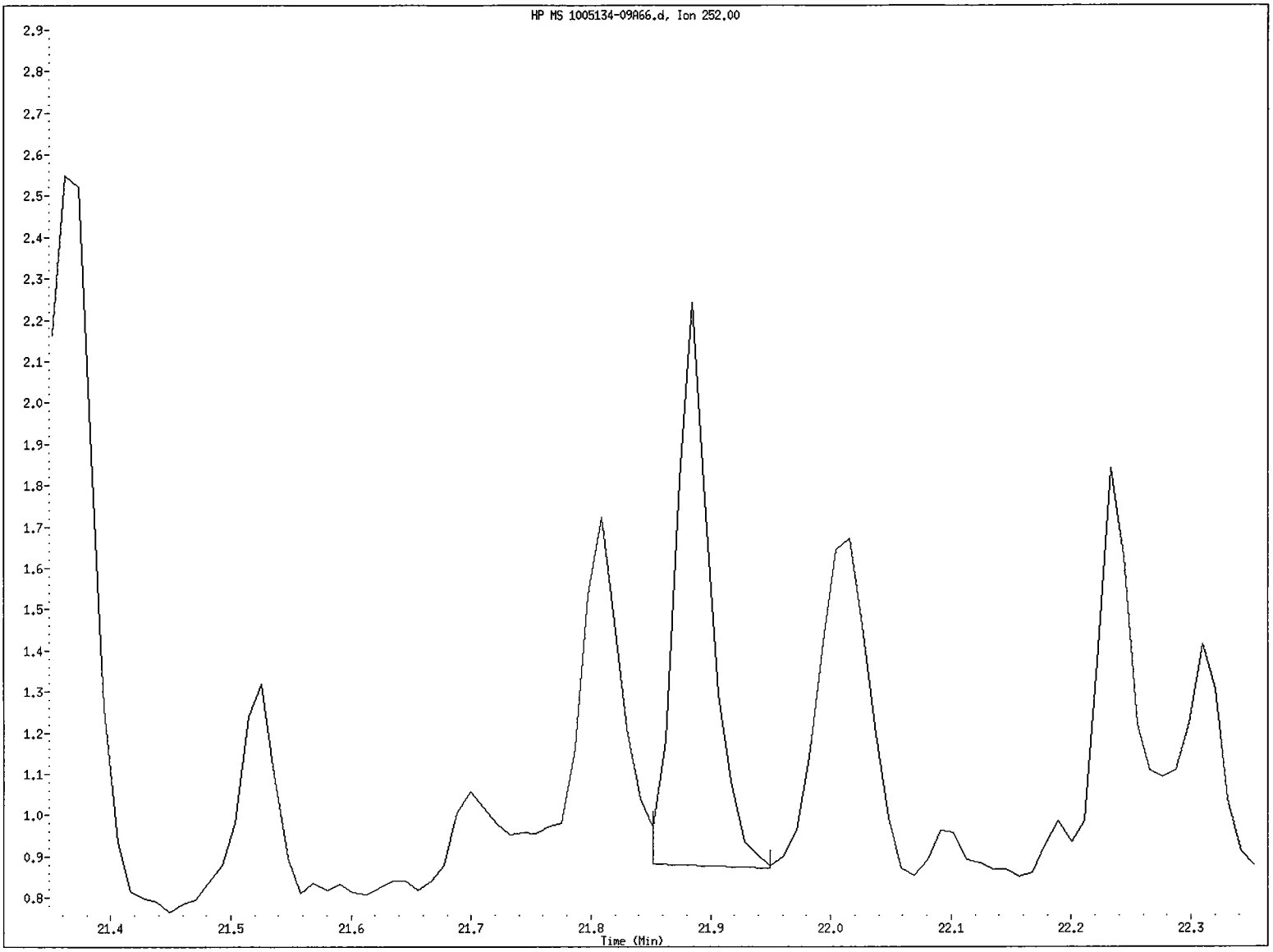
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	14.140	14.126	(1.004)	16041	0.09618	2.1(a)
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	16.930	16.903	(0.875)	9056	0.05571	1.2(a)
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	21.885	21.851	(0.995)	2803	0.02367	0.51(aM) 1
34 Indeno(1,2,3-cd)pyrene	276	24.072	24.028	(1.095)	2592	0.02481	0.53(aM) 2
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

} 800
07/07/10

QC Flag Legend

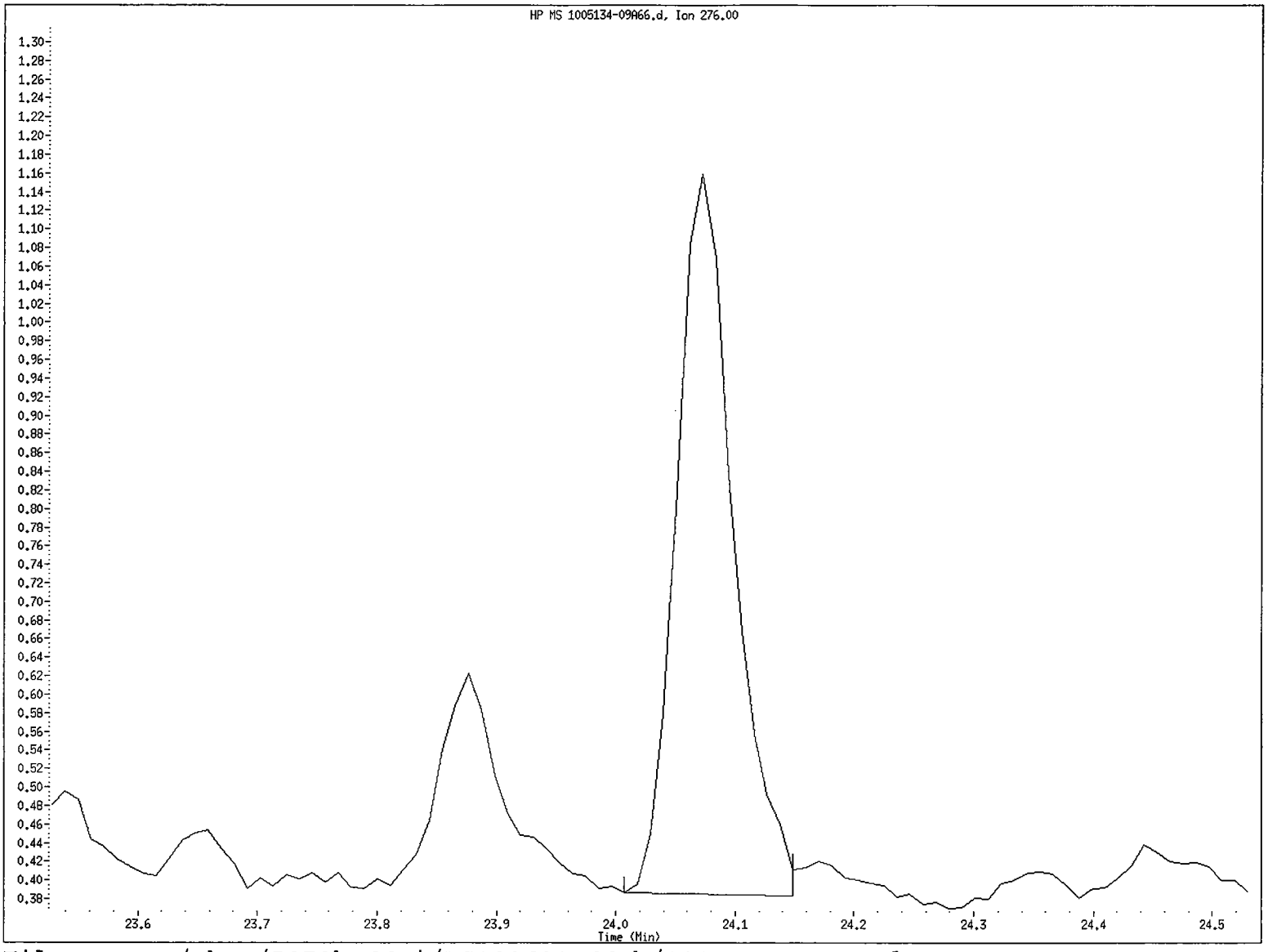
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Benzo(a)pyrene CAS Number 50-32-8 Area = 2803 Manually integrated



File name: /chem/5972hp66.i/DS100601A66.b/1005134-09A66.d
Client ID: SS31-0-1
Instrument ID: 5972hp66.i
Injection Date and Time: 01-JUN-2010 23:40
Retention Time: 21.88
Operator ID: 2650

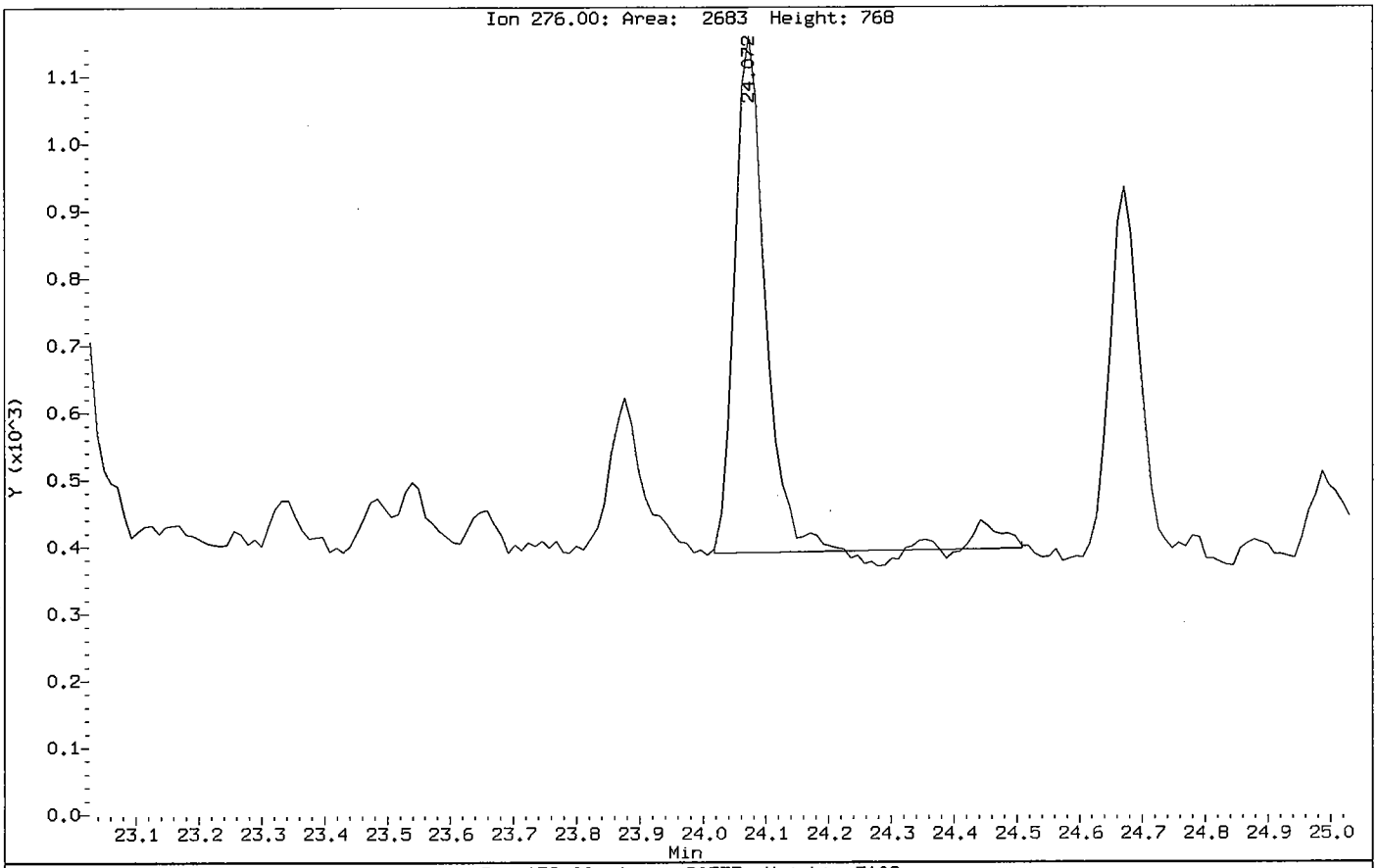
Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 2592 Manually integrated

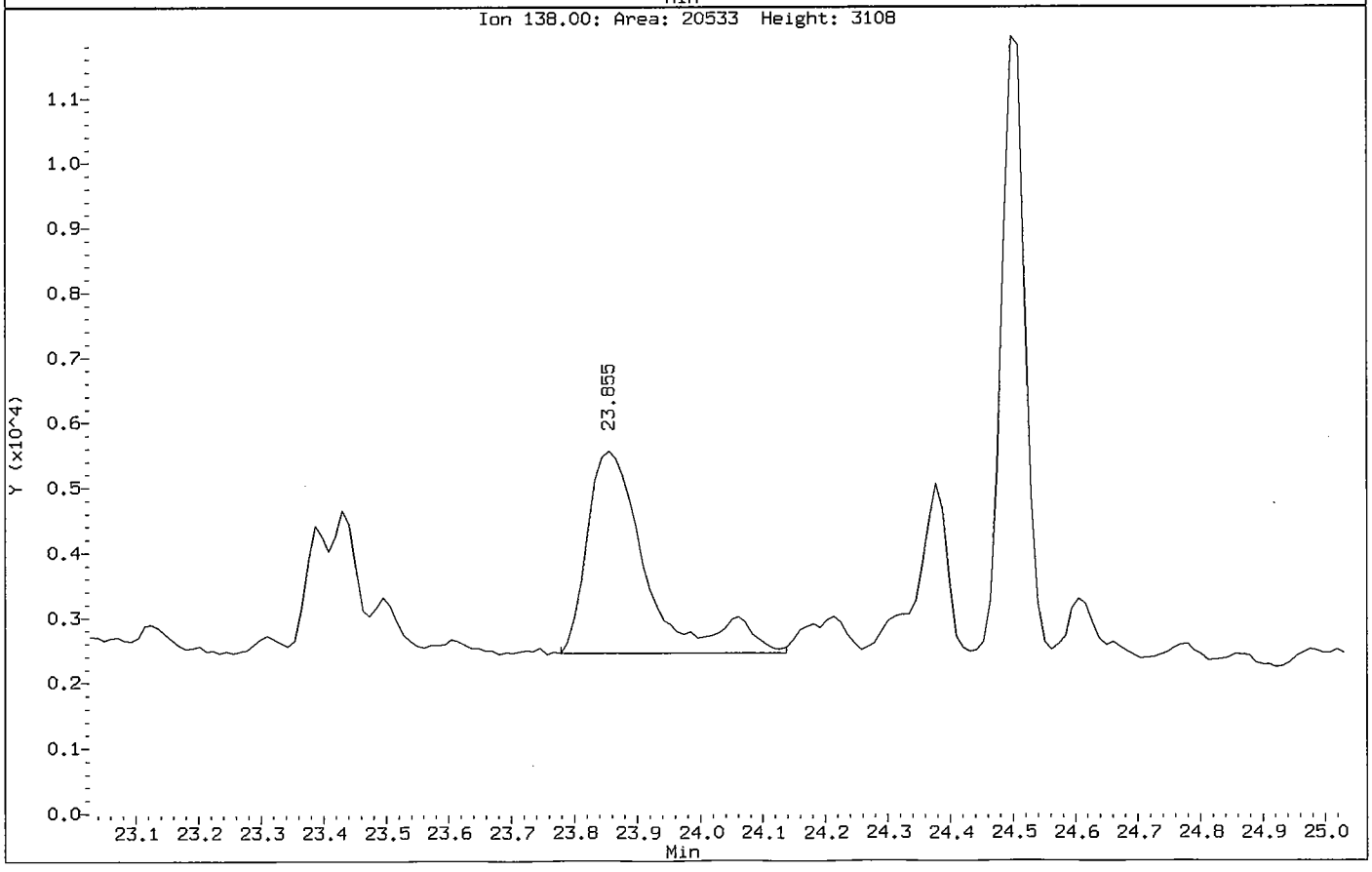


File name: /chem/5972hp66.i/DS100601A66.b/1005134-09A66.d
Client ID: SS31-0-1
Instrument ID: 5972hp66.i
Injection Date and Time: 01-JUN-2010 23:40
Retention Time: 24.07
Operator ID: 2650

Data File: /chem/5972hp66.i/DS100601A66.b/1005134-09A66.d
Injection Date: 01-JUN-2010 23:40
Instrument: 5972hp66.i
Client Sample ID: SS31-0-1

Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





Data File: /chem/5972hp66.i/DS100601A66.b/1005134-09A66.d

Date : 01-JUN-2010 23:40

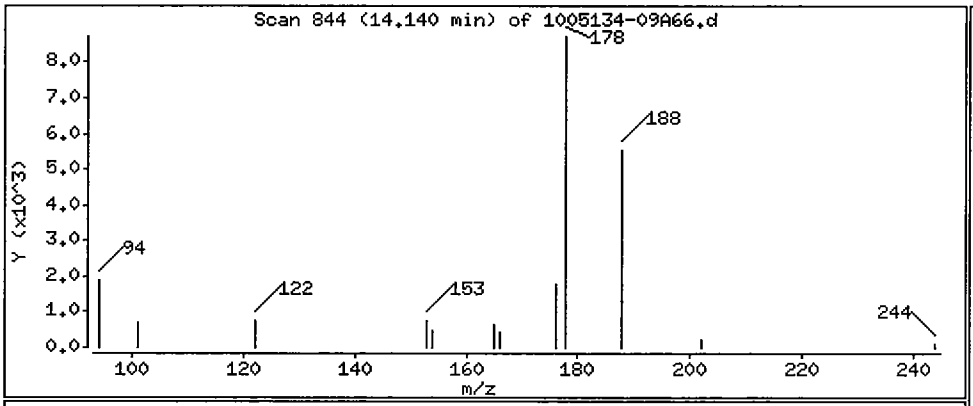
Client ID: SS31-0-1 Instrument: 5972hp66.i

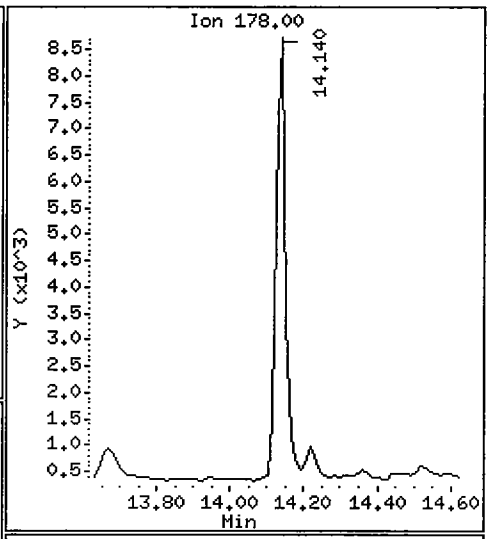
Sample Info: 1005134-09;2650

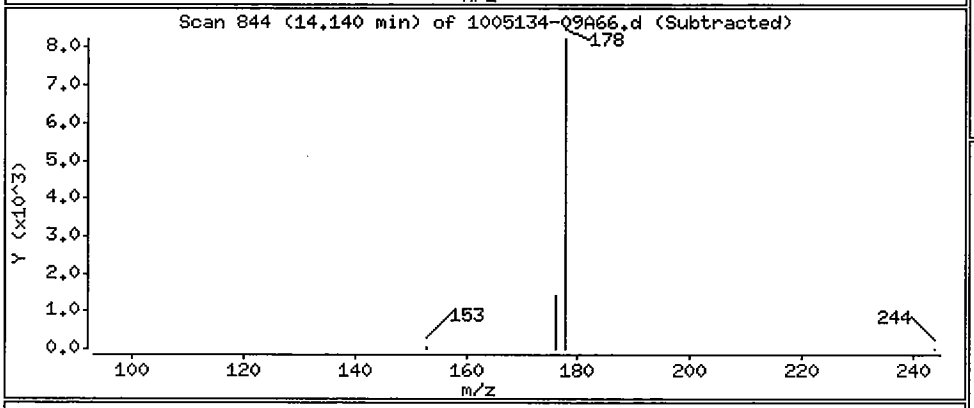
Volume Injected (uL): 2.0 Operator: 2650

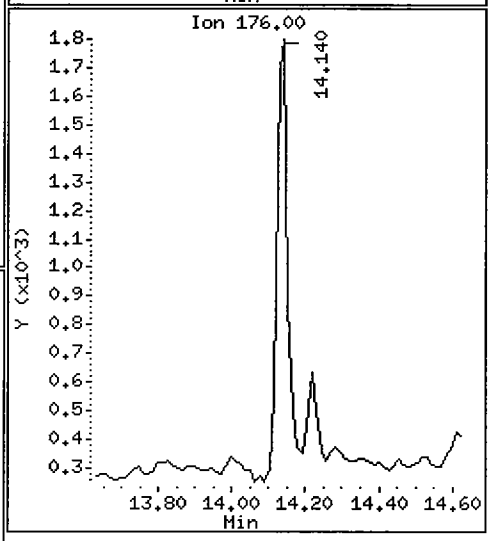
Column phase: Rtx-5MS Column diameter: 0.32

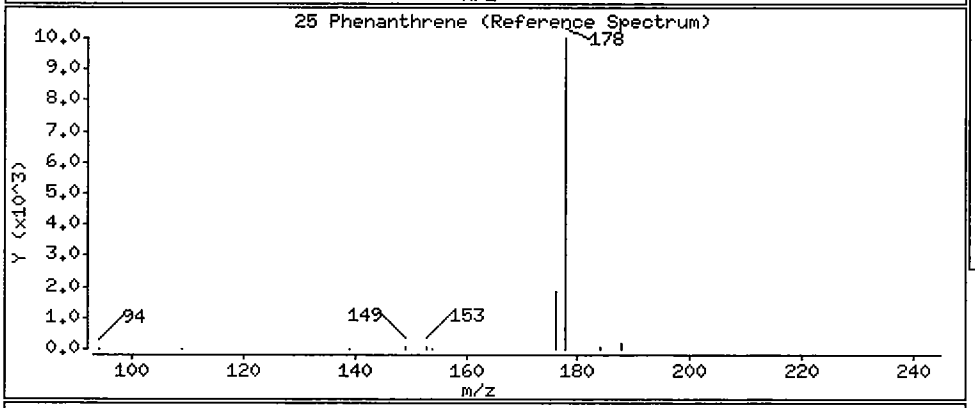
25 Phenanthrene Concentration: 2.1 ug/Kg

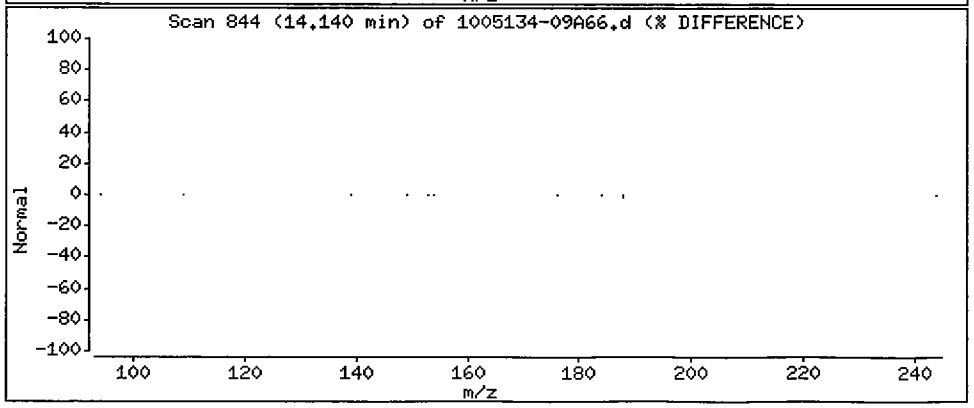












Data File: /chem/5972hp66.i/DS100601A66.b/1005134-09A66.d

Date : 01-JUN-2010 23:40

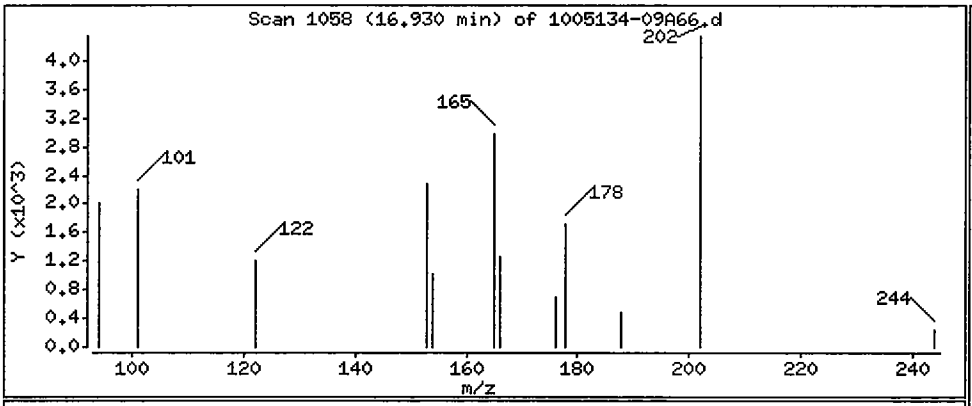
Client ID: SS31-0-1 Instrument: 5972hp66.i

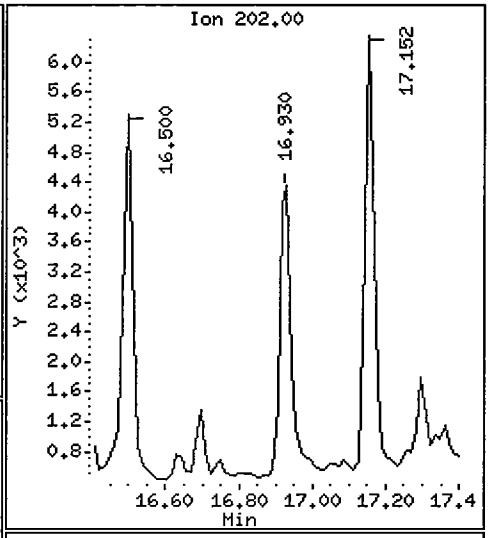
Sample Info: 1005134-09:2650

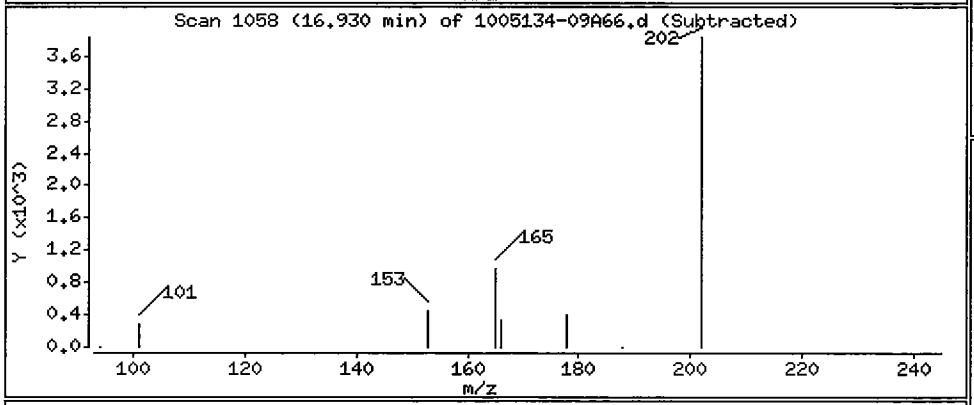
Volume Injected (uL): 2.0 Operator: 2650

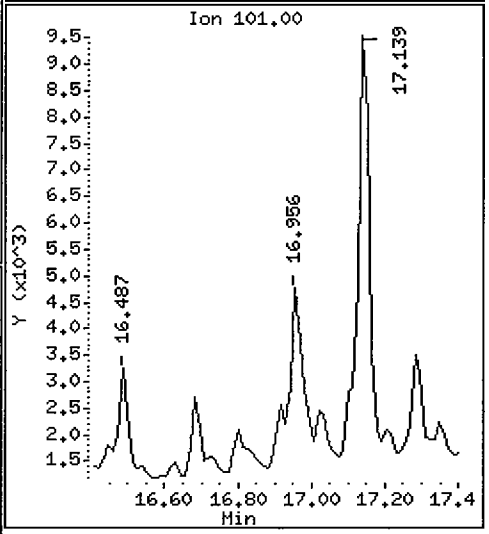
Column phase: Rtx-5MS Column diameter: 0.32

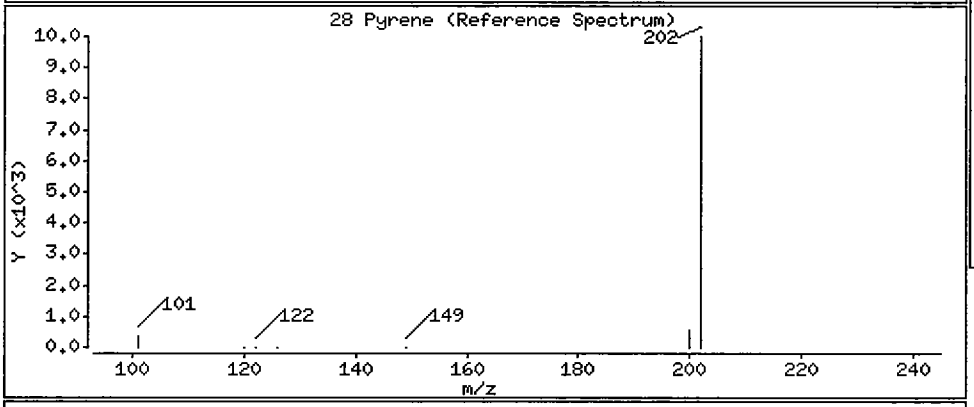
28 Pyrene Concentration: 1.2 ug/Kg

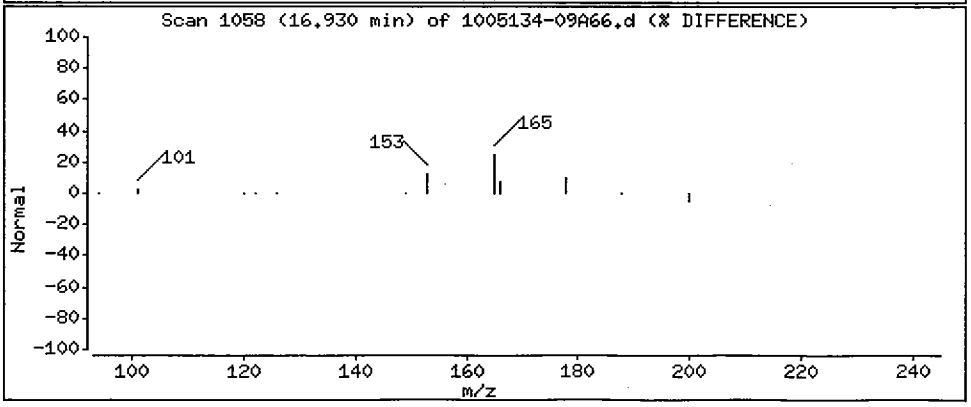












Data File: /chem/5972hp66.i/DS100601A66.b/1005134-09A66.d

Date : 01-JUN-2010 23:40

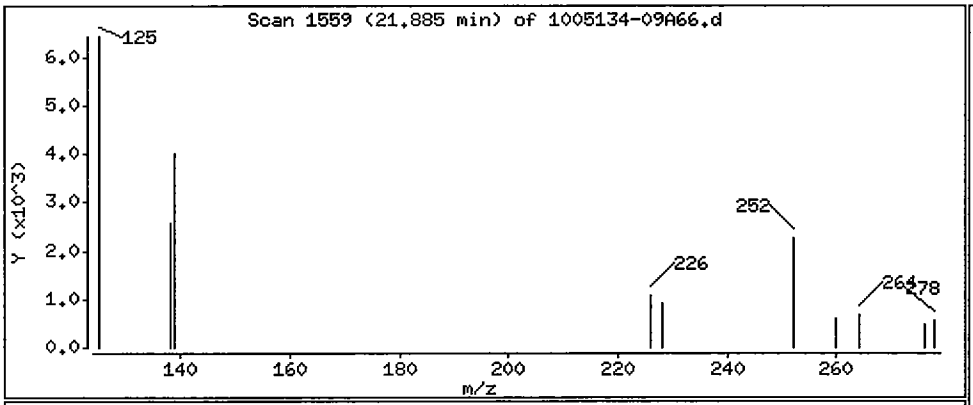
Client ID: SS31-0-1 Instrument: 5972hp66.i

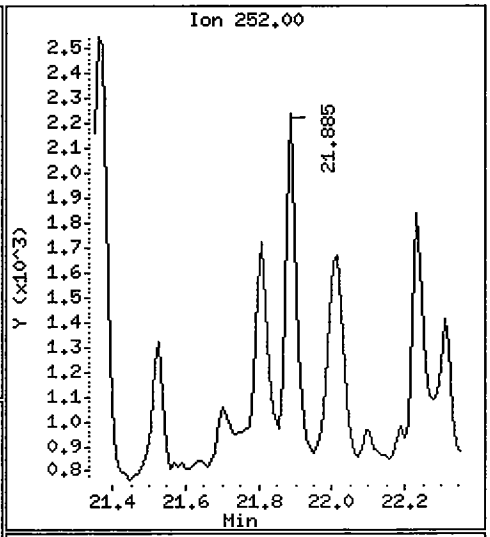
Sample Info: 1005134-09:2650

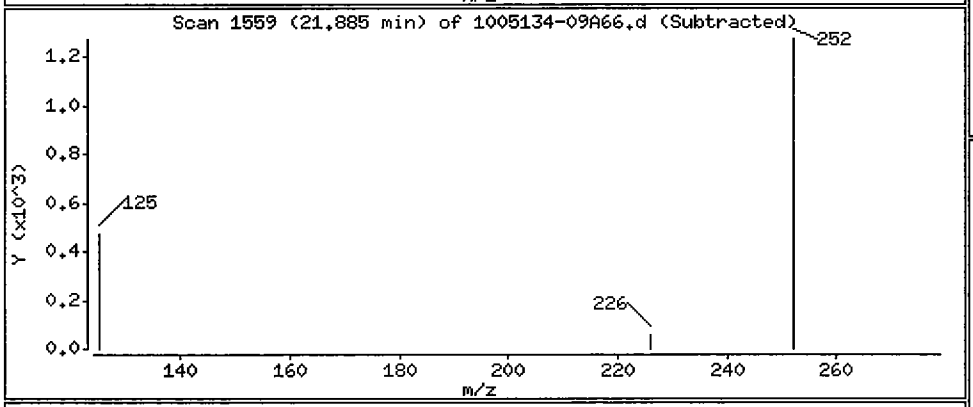
Volume Injected (uL): 2.0 Operator: 2650

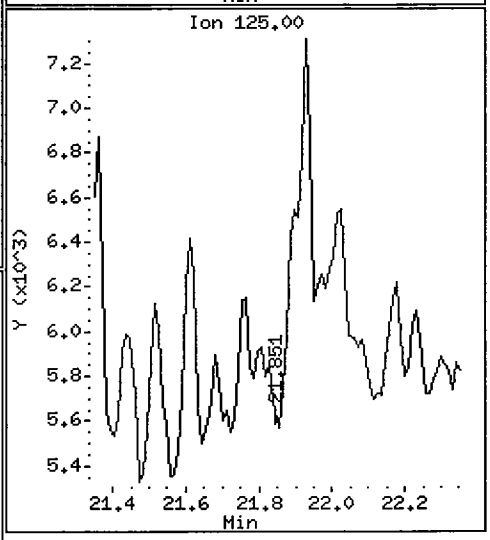
Column phase: Rtx-5MS Column diameter: 0.32

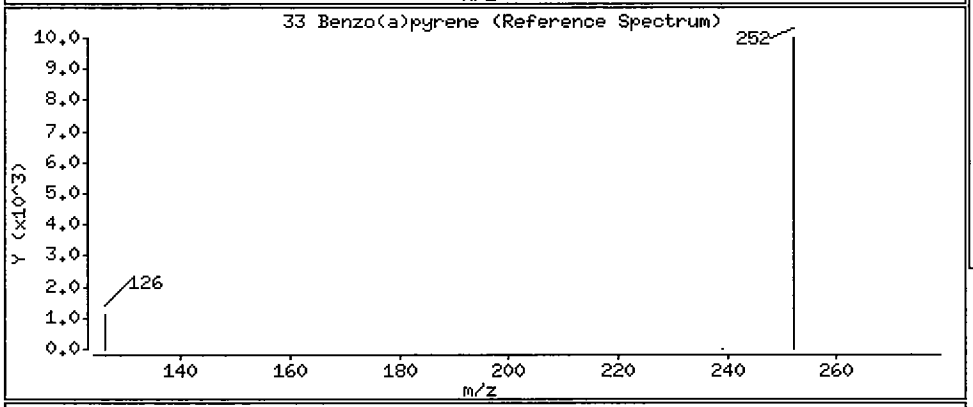
33 Benzo(a)pyrene Concentration: 0.51 ug/Kg

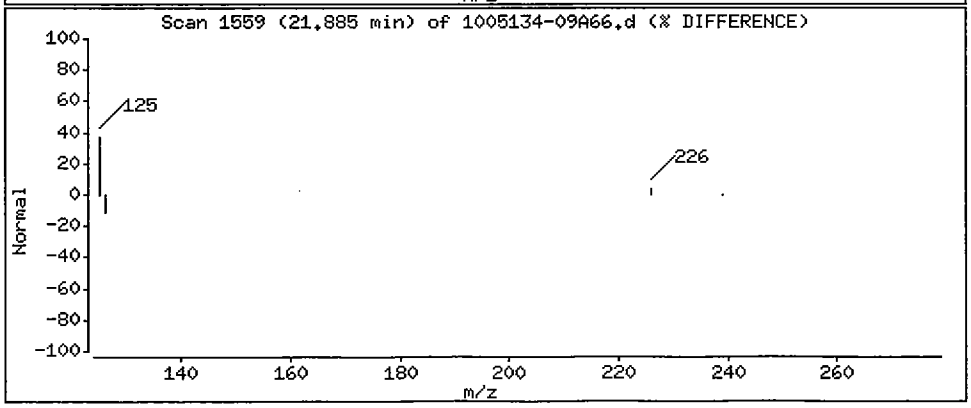












Data File: /chem/5972hp66.i/DS100601A66.b/1005134-09A66.d

Date : 01-JUN-2010 23:40

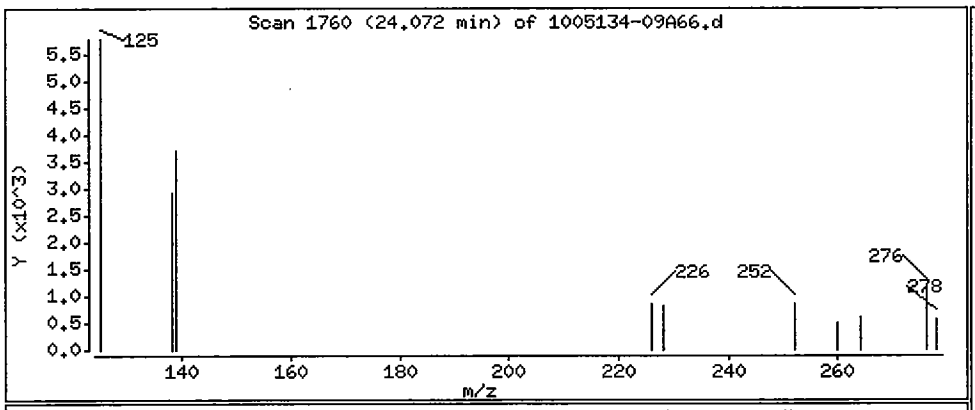
Client ID: SS31-0-1 Instrument: 5972hp66.i

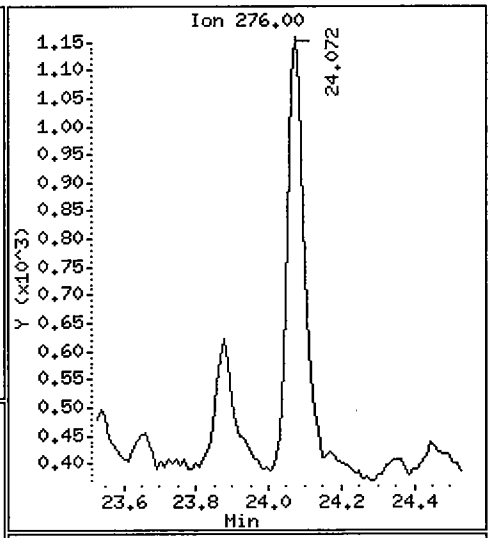
Sample Info: 1005134-09:2650

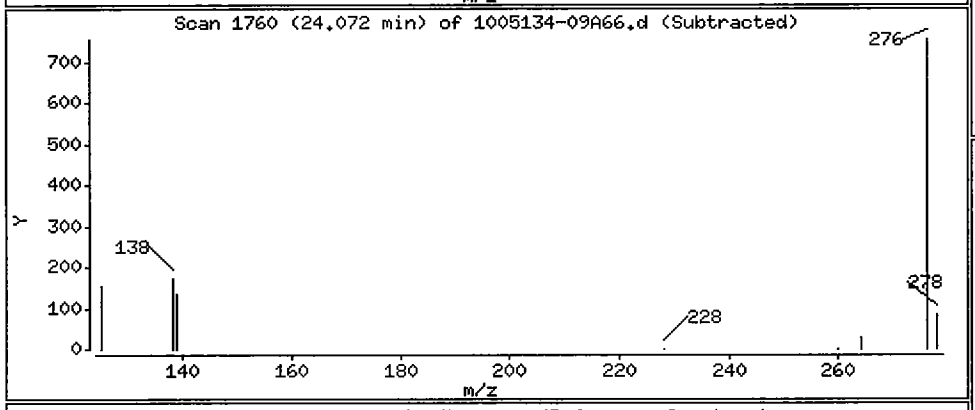
Volume Injected (uL): 2.0 Operator: 2650

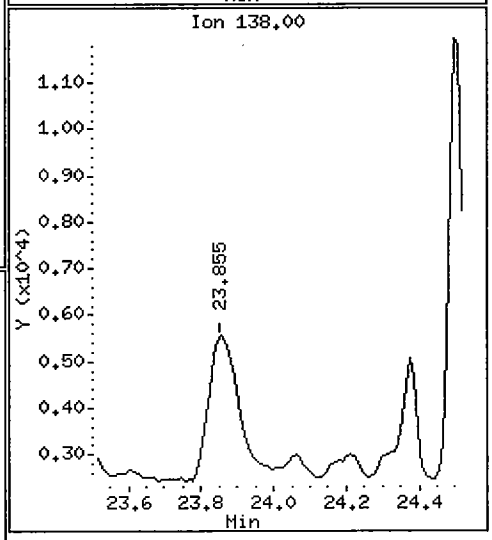
Column phase: Rtx-5MS Column diameter: 0.32

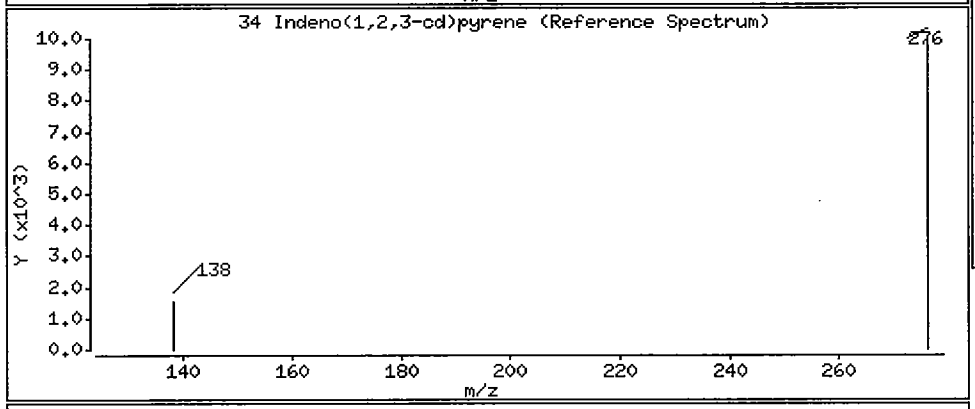
34 Indeno(1,2,3-cd)pyrene Concentration: 0.53 ug/Kg

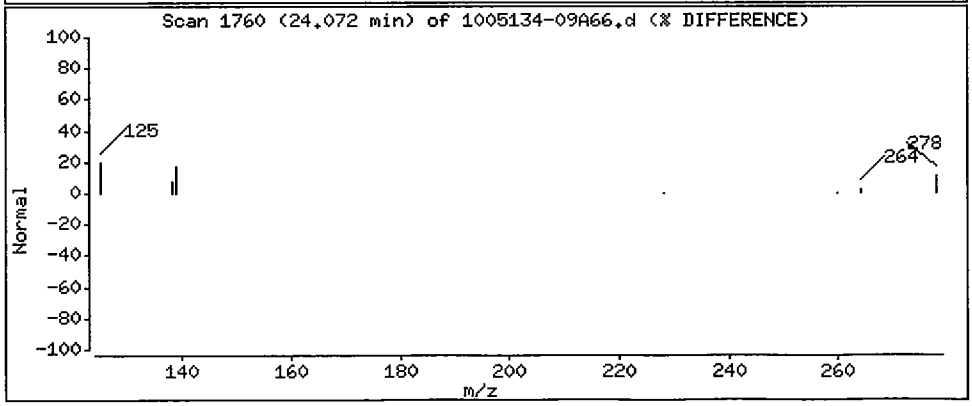












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SS31-0-1RE

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/17/10

Lab Sample ID: 1005134-09RE1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005134-09RA70
Analyst: MEW

% Moisture: 22 decanted: (Y/N) Y
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

Date Extracted: 06/02/10
Date Analyzed: 06/30/10
Dilution Factor: 1.0

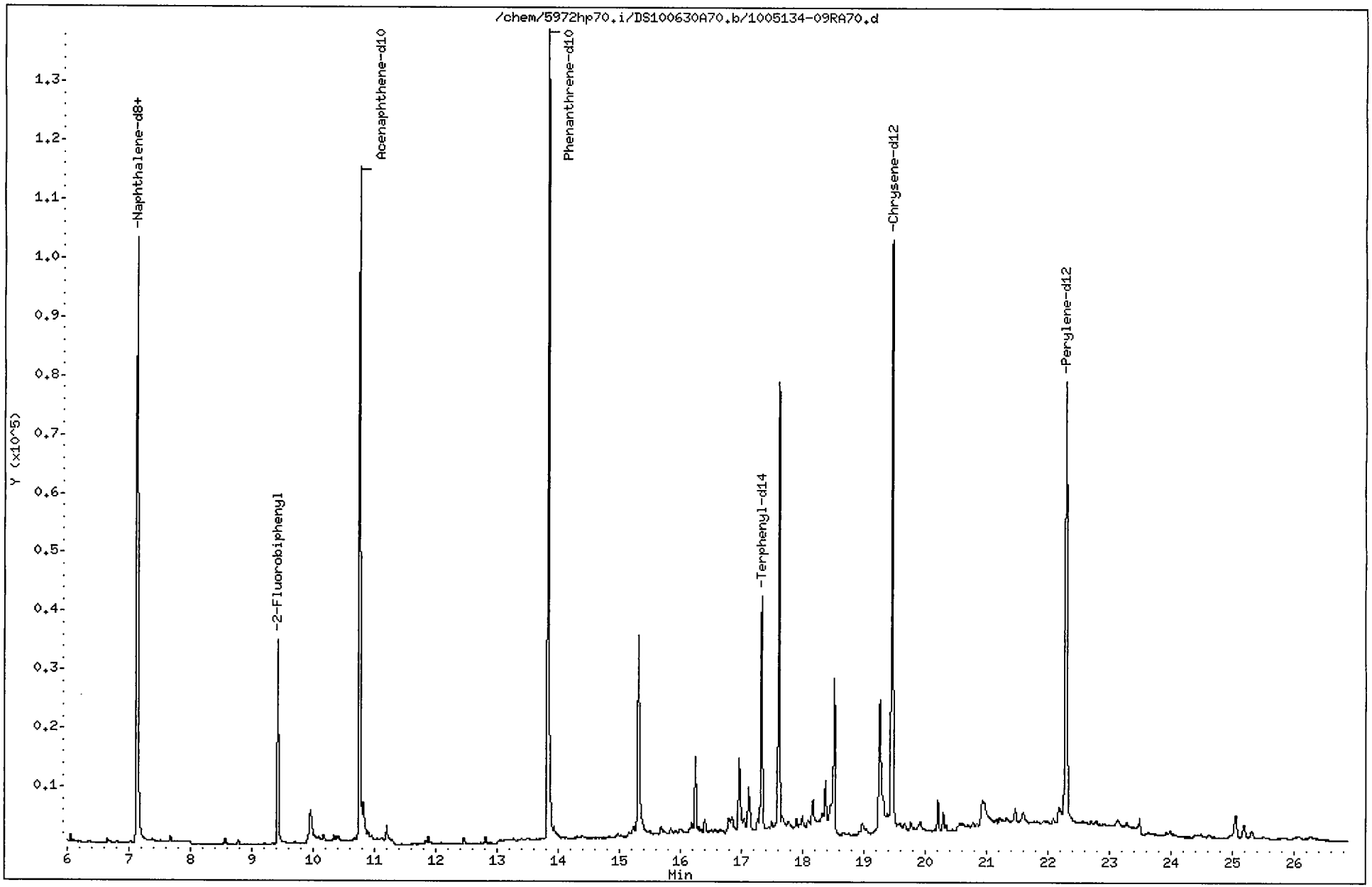
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.92	11	1.4	JB
91-57-6	2-Methylnaphthalene	0.88	11	ND	U
208-96-8	Acenaphthylene	0.68	11	ND	U
83-32-9	Acenaphthene	0.77	11	ND	U
86-73-7	Fluorene	0.58	11	ND	U
85-01-8	Phenanthrene	1.7	11	ND	U
120-12-7	Anthracene	0.56	11	ND	U
206-44-0	Fluoranthene	1.7	11	ND	U
129-00-0	Pyrene	0.73	11	ND	U
56-55-3	Benzo(a)anthracene	0.73	11	ND	U
218-01-9	Chrysene	0.81	11	ND	U
205-99-2	Benzo(b)fluoranthene	0.73	11	ND	U
207-08-9	Benzo(k)fluoranthene	0.56	11	ND	U
50-32-8	Benzo(a)pyrene	0.49	11	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.47	11	5.0	J
53-70-3	Dibenzo(a,h)anthracene	0.43	11	ND	U
191-24-2	Benzo(g,h,i)perylene	0.49	11	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100630A70.b/1005134-09RA70.d
Date : 30-JUN-2010 22:37
Client ID: SS31-0-1RE
Sample Info: 1005134-09RE1:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630A70.b/1005134-09RA70.d
Report Date: 07-Jul-2010 17:38

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630A70.b/1005134-09RA70.d
Lab Smp Id: 1005134-09RE1 Client Smp ID: SS31-0-1RE
Inj Date : 30-JUN-2010 22:37
Operator : MEW Inst ID: 5972hp70.i
Smp Info : 1005134-09RE1:MEW
Misc Info : SS31-0-1RE
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Meth Date : 07-Jul-2010 11:24 parikh Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	22.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	4.838	4.822	(1.000)	38854	2.00000	
* 2 Naphthalene-d8	136	7.130	7.129	(1.000)	146537	2.00000	
* 3 Acenaphthene-d10	164	10.750	10.757	(1.000)	92960	2.00000	
* 4 Phenanthrene-d10	188	13.828	13.829	(1.000)	183233	2.00000	
* 5 Chrysene-d12	240	19.454	19.454	(1.000)	147523	2.00000	
* 6 Perylene-d12	264	22.288	22.287	(1.000)	134668	2.00000	
$ 9 Nitrobenzene-d5	82	5.861	5.849	(0.822)	24440	0.51539	11
$ 10 2-Fluorobiphenyl	172	9.423	9.428	(0.877)	40377	0.63023	13
$ 12 Terphenyl-d14	244	17.321	17.326	(0.890)	47831	0.91086	19
13 Naphthalene	128	7.161	7.160	(1.004)	6004	0.06416	1.4(a)
15 2-Methylnaphthalene	141	Compound Not Detected.					
17 Acenaphthylene	152	Compound Not Detected.					
18 Acenaphthene	154	Compound Not Detected.					

SDG 071071.10

Data File: /chem/5972hp70.i/DS100630A70.b/1005134-09RA70.d
Report Date: 07-Jul-2010 17:38

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	24.625	24.626	(1.105)	645	0.23514	5.0(aM)
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

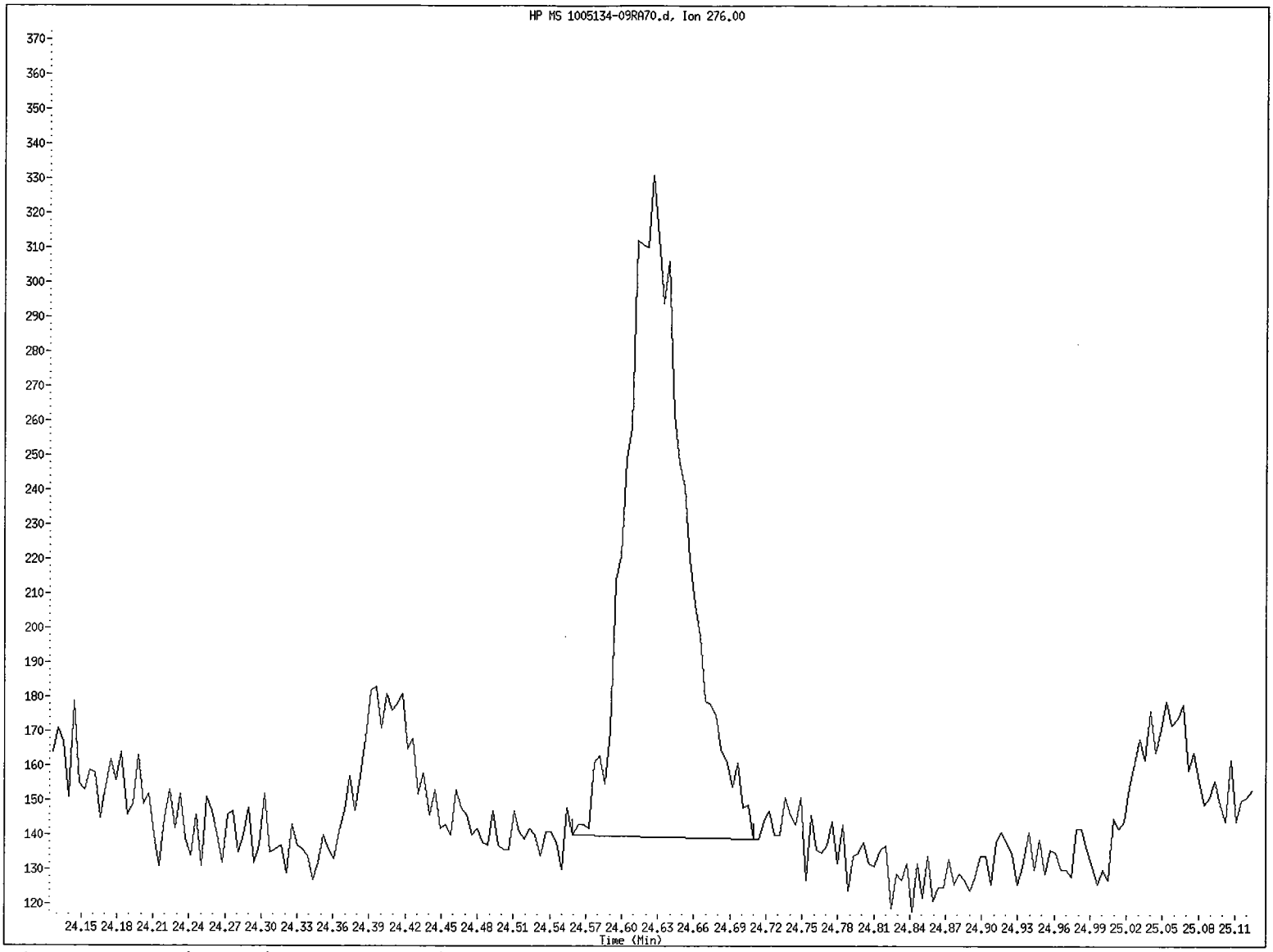
1

SH
07/07/10

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 645 Manually integrated



File name: /chem/5972hp70.i/DS100630A70.b/1005134-09RA70.d
Client ID: SS31-0-1RE
Instrument ID: 5972hp70.i
Injection Date and Time: 30-JUN-2010 22:37
Retention Time: 24.63
Operator ID: MEW

Data File: /chem/5972hp70.i/DS100630A70.b/1005134-09RA70.d

Date : 30-JUN-2010 22:37

Client ID: SS31-0-1RE

Instrument: 5972hp70.i

Sample Info: 1005134-09RE1:MEW

Volume Injected (uL): 2.0

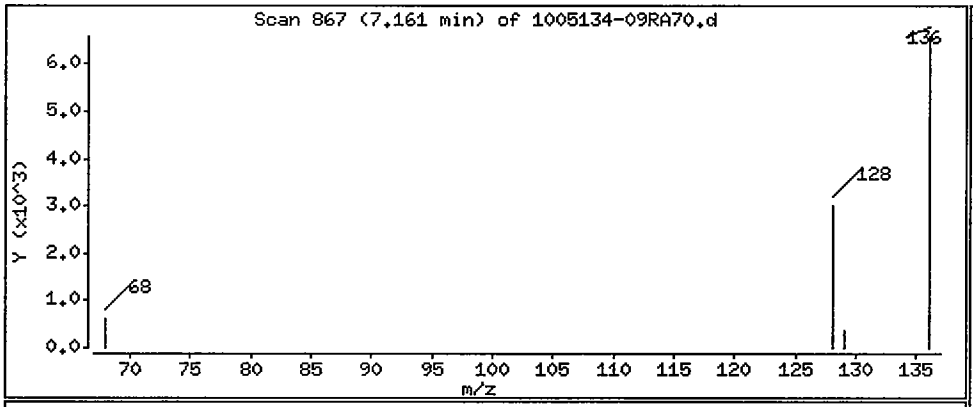
Operator: MEW

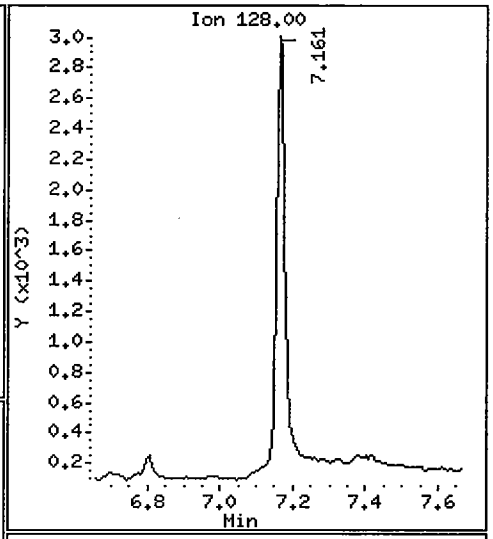
Column phase: Rtx-5MS

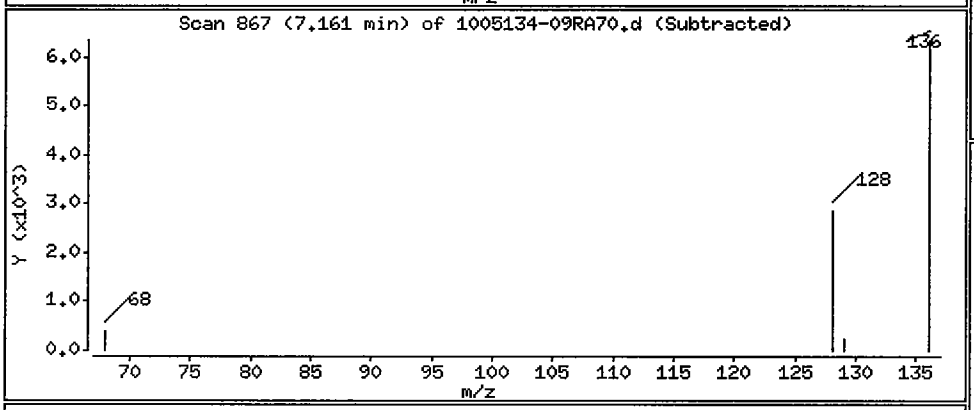
Column diameter: 0.32

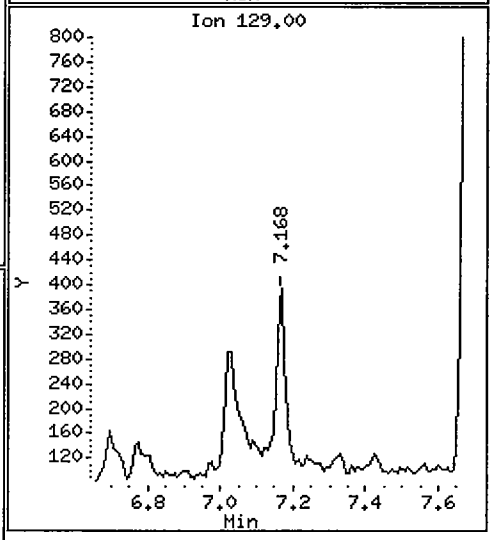
13 Naphthalene

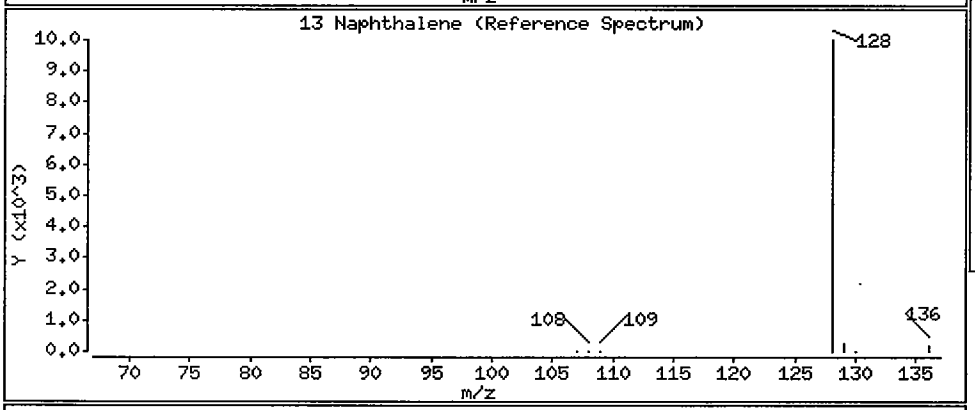
Concentration: 1.4 ug/Kg

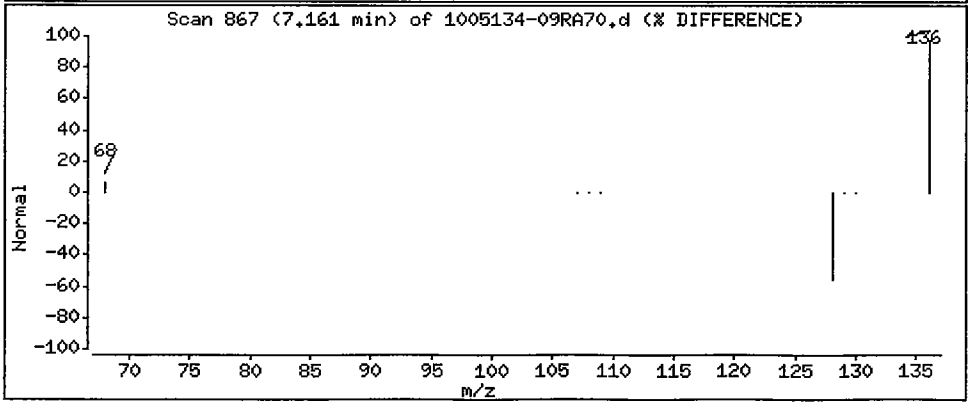












Data File: /chem/5972hp70.i/DS100630A70.b/1005134-09RA70.d

Date : 30-JUN-2010 22:37

Client ID: SS31-0-1RE

Instrument: 5972hp70.i

Sample Info: 1005134-09RE1:MEW

Volume Injected (uL): 2.0

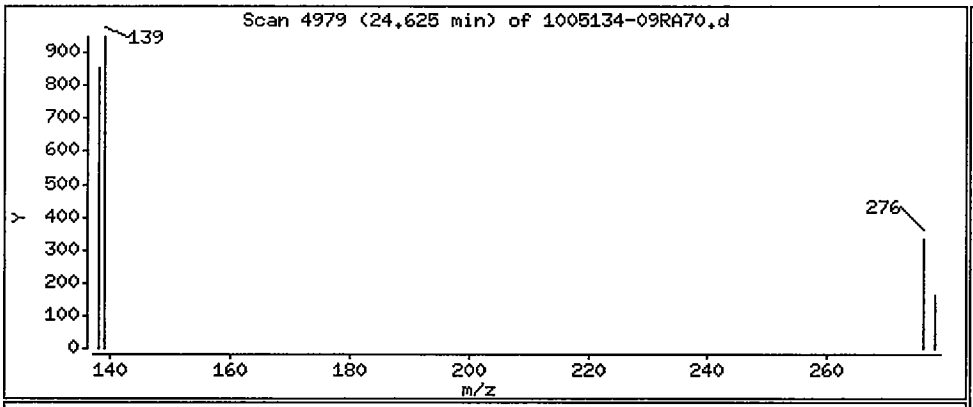
Operator: MEW

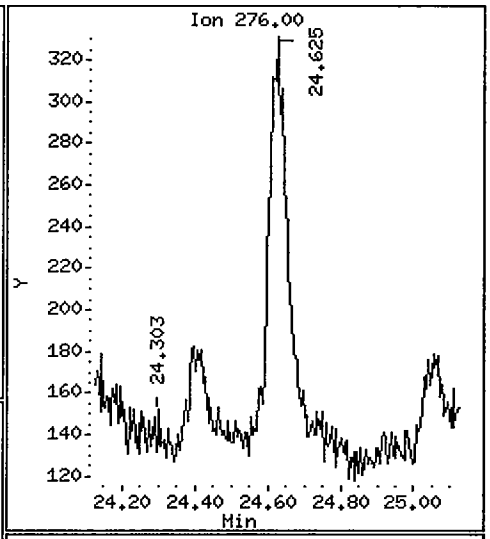
Column phase: Rtx-5MS

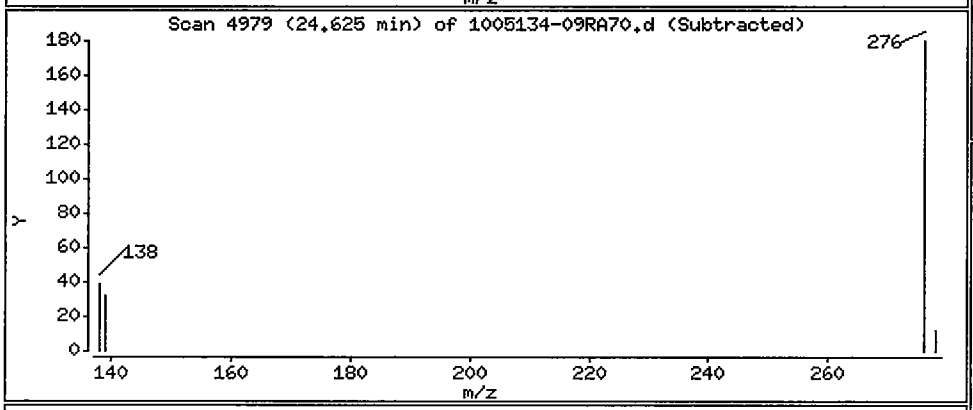
Column diameter: 0.32

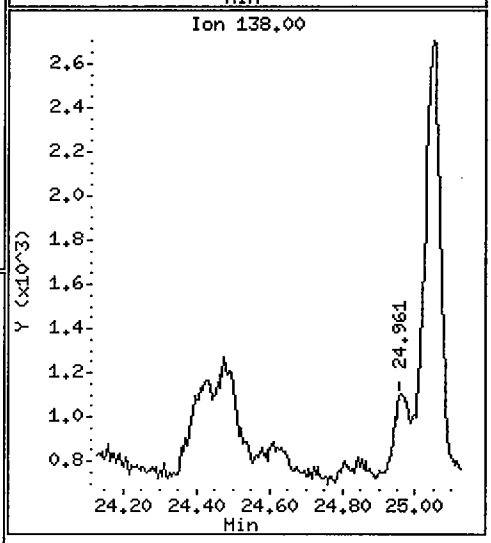
34 Indeno(1,2,3-cd)pyrene

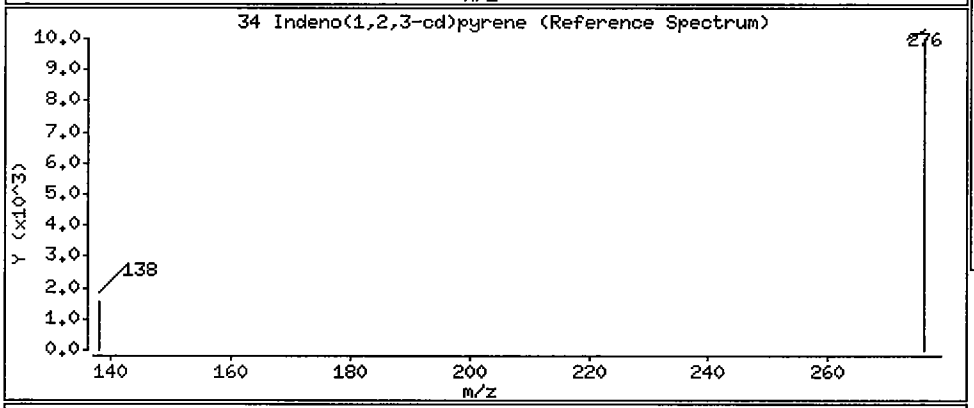
Concentration: 5.0 ug/Kg

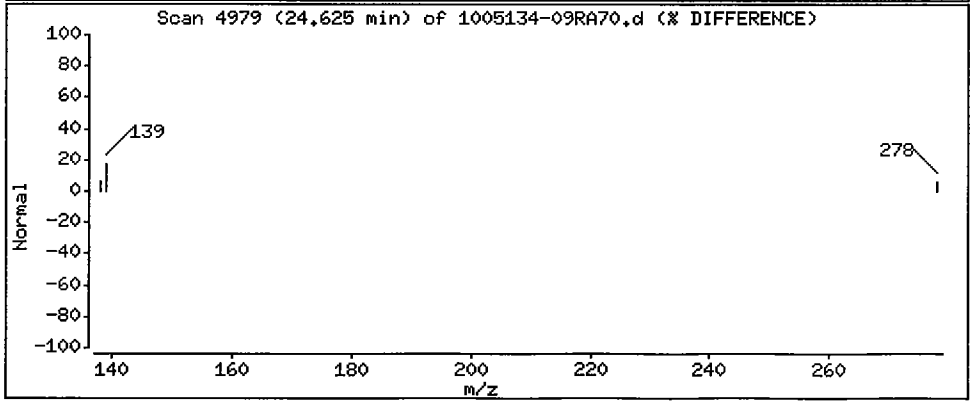












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SS32-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/18/10

Lab Sample ID: 1005134-10
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005134-10B70
Analyst: TD

% Moisture: 3 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK2

Date Extracted: 05/25/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

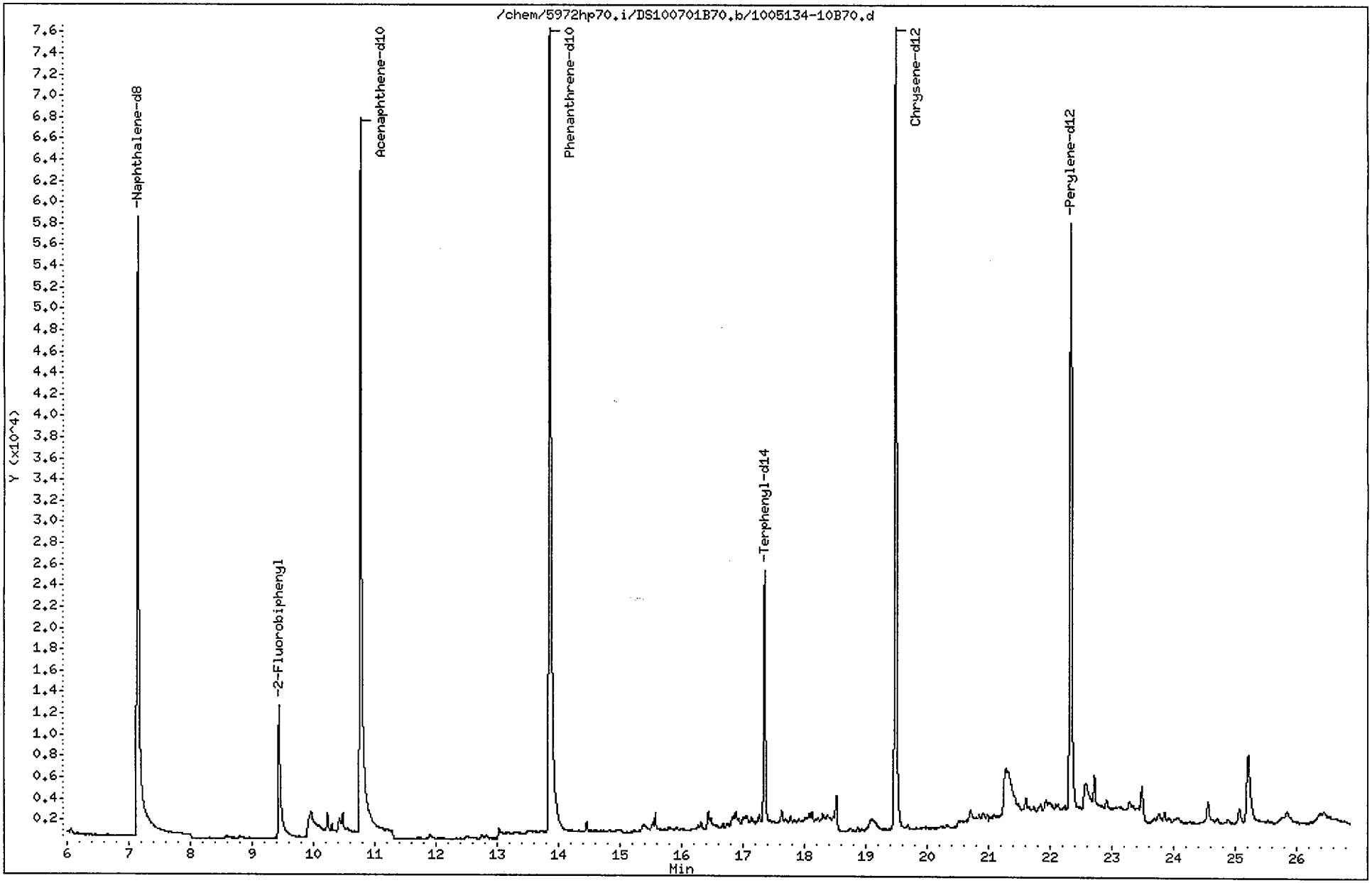
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.74	8.6	ND	U
91-57-6	2-Methylnaphthalene	0.70	8.6	ND	U
208-96-8	Acenaphthylene	0.55	8.6	ND	U
83-32-9	Acenaphthene	0.62	8.6	ND	U
86-73-7	Fluorene	0.46	8.6	ND	U
85-01-8	Phenanthrene	1.4	8.6	ND	U
120-12-7	Anthracene	0.45	8.6	ND	U
206-44-0	Fluoranthene	1.4	8.6	ND	U
129-00-0	Pyrene	0.58	8.6	ND	U
56-55-3	Benzo(a)anthracene	0.58	8.6	ND	U
218-01-9	Chrysene	0.65	8.6	ND	U
205-99-2	Benzo(b)fluoranthene	0.58	8.6	ND	U
207-08-9	Benzo(k)fluoranthene	0.45	8.6	ND	U
50-32-8	Benzo(a)pyrene	0.40	8.6	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	8.6	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.34	8.6	ND	U
191-24-2	Benzo(g,h,i)perylene	0.40	8.6	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100701B70.b/1005134-10B70.d
Date : 01-JUL-2010 23:01
Client ID: SS32-0-1
Sample Info: 1005134-10:TD
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: TD
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701B70.b/1005134-10B70.d
Report Date: 06-Jul-2010 16:23

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701B70.b/1005134-10B70.d
Lab Smp Id: 1005134-10 Client Smp ID: SS32-0-1
Inj Date : 01-JUL-2010 23:01
Operator : TD Inst ID: 5972hp70.i
Smp Info : 1005134-10:TD
Misc Info : SS32-0-1
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701B70.b/SIM_8270Cv3DOD.m
Meth Date : 06-Jul-2010 15:50 mead Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	3.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)	
*	1 1,4-Dichlorobenzene-d4	152	4.845	4.848	(1.000)	35069	2.00000		(a)
*	2 Naphthalene-d8	136	7.145	7.162	(1.000)	131281	2.00000		(a)
*	3 Acenaphthene-d10	164	10.770	10.784	(1.000)	82717	2.00000		(a)
*	4 Phenanthrene-d10	188	13.860	13.872	(1.000)	154616	2.00000		(a)
*	5 Chrysene-d12	240	19.489	19.499	(1.000)	119424	2.00000		(a)
*	6 Perylene-d12	264	22.336	22.344	(1.000)	111958	2.00000		(a)
$	9 Nitrobenzene-d5	82	5.872	5.880	(0.822)	14025	0.33013	5.7	(R)
$	10 2-Fluorobiphenyl	172	9.440	9.460	(0.877)	25099	0.44028	7.6	(R)
$	12 Terphenyl-d14	244	17.348	17.362	(0.890)	33239	0.78191	13	
	13 Naphthalene	128	Compound Not Detected.						
	15 2-Methylnaphthalene	141	Compound Not Detected.						
	17 Acenaphthylene	152	Compound Not Detected.						
	18 Acenaphthene	154	Compound Not Detected.						

pcw 7/6/10

Data File: /chem/5972hp70.i/DS100701B70.b/1005134-10B70.d
Report Date: 06-Jul-2010 16:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SS32-0-1RE

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/18/10

Lab Sample ID: 1005134-10RE1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005134-10RA70
Analyst: MEW

% Moisture: 3 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

Date Extracted: 06/02/10
Date Analyzed: 06/30/10
Dilution Factor: 1.0

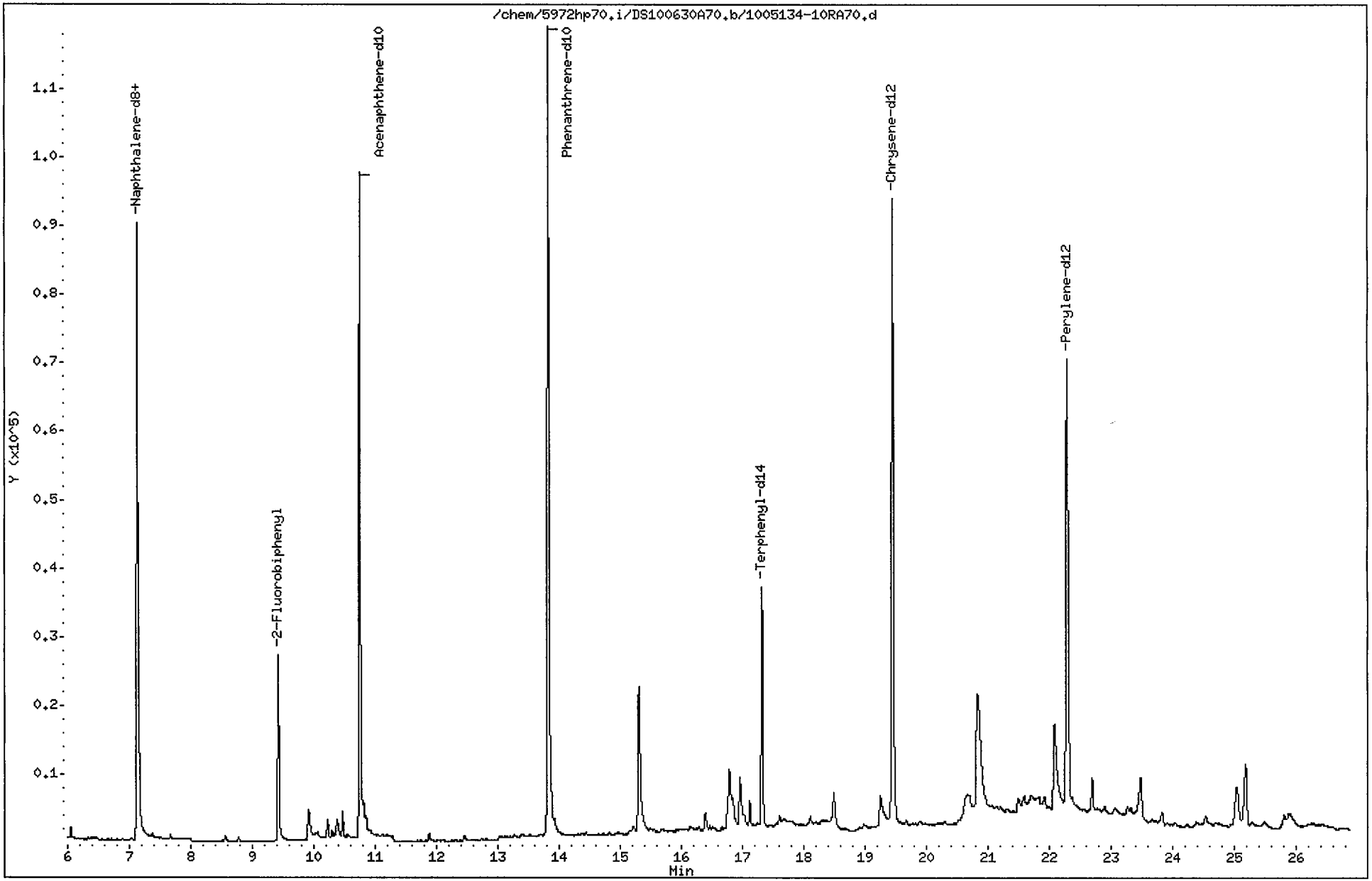
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.74	8.6	1.8	JB
91-57-6	2-Methylnaphthalene	0.70	8.6	ND	U
208-96-8	Acenaphthylene	0.55	8.6	ND	U
83-32-9	Acenaphthene	0.62	8.6	ND	U
86-73-7	Fluorene	0.46	8.6	ND	U
85-01-8	Phenanthrene	1.4	8.6	ND	U
120-12-7	Anthracene	0.45	8.6	ND	U
206-44-0	Fluoranthene	1.4	8.6	ND	U
129-00-0	Pyrene	0.58	8.6	ND	U
56-55-3	Benzo(a)anthracene	0.58	8.6	ND	U
218-01-9	Chrysene	0.65	8.6	ND	U
205-99-2	Benzo(b)fluoranthene	0.58	8.6	ND	U
207-08-9	Benzo(k)fluoranthene	0.45	8.6	ND	U
50-32-8	Benzo(a)pyrene	0.40	8.6	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	8.6	4.0	J
53-70-3	Dibenzo(a,h)anthracene	0.34	8.6	ND	U
191-24-2	Benzo(g,h,i)perylene	0.40	8.6	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100630A70.b/1005134-10RA70.d
Date : 30-JUN-2010 23:12
Client ID: SS32-0-1RE
Sample Info: 1005134-10RE1:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630A70.b/1005134-10RA70.d
Report Date: 01-Jul-2010 13:46

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630A70.b/1005134-10RA70.d
Lab Smp Id: 1005134-10RE1 Client Smp ID: SS32-0-1RE
Inj Date : 30-JUN-2010 23:12
Operator : MEW Inst ID: 5972hp70.i
Smp Info : 1005134-10RE1:MEW
Misc Info : SS32-0-1RE
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Meth Date : 01-Jul-2010 13:46 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	3.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
* 1 1,4-Dichlorobenzene-d4	152	4.837	4.822	(1.000)	36511	2.00000		(a)
* 2 Naphthalene-d8	136	7.131	7.129	(1.000)	139087	2.00000		(a)
* 3 Acenaphthene-d10	164	10.755	10.757	(1.000)	88604	2.00000		(a)
* 4 Phenanthrene-d10	188	13.832	13.829	(1.000)	175741	2.00000		(a)
* 5 Chrysene-d12	240	19.457	19.454	(1.000)	142378	2.00000		(a)
* 6 Perylene-d12	264	22.292	22.287	(1.000)	129415	2.00000		(a)
$ 9 Nitrobenzene-d5	82	5.860	5.849	(0.822)	21782	0.48395	8.3	
$ 10 2-Fluorobiphenyl	172	9.423	9.428	(0.876)	33982	0.55649	9.6	
$ 12 Terphenyl-d14	244	17.328	17.326	(0.891)	45812	0.90394	16	
13 Naphthalene	128	7.162	7.160	(1.004)	9136	0.10286	1.8	(a)
15 2-Methylnaphthalene	141	Compound Not Detected.						
17 Acenaphthylene	152	Compound Not Detected.						
18 Acenaphthene	154	Compound Not Detected.						

7/1/10

Data File: /chem/5972hp70.i/DS100630A70.b/1005134-10RA70.d
Report Date: 01-Jul-2010 13:46

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	24.640	24.626	(1.105)	523	0.23372	4.0(a)
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /chem/5972hp70.i/DS100630A70.b/1005134-10RA70.d

Date : 30-JUN-2010 23:12

Client ID: SS32-0-1RE

Instrument: 5972hp70.i

Sample Info: 1005134-10RE1:MEW

Volume Injected (uL): 2.0

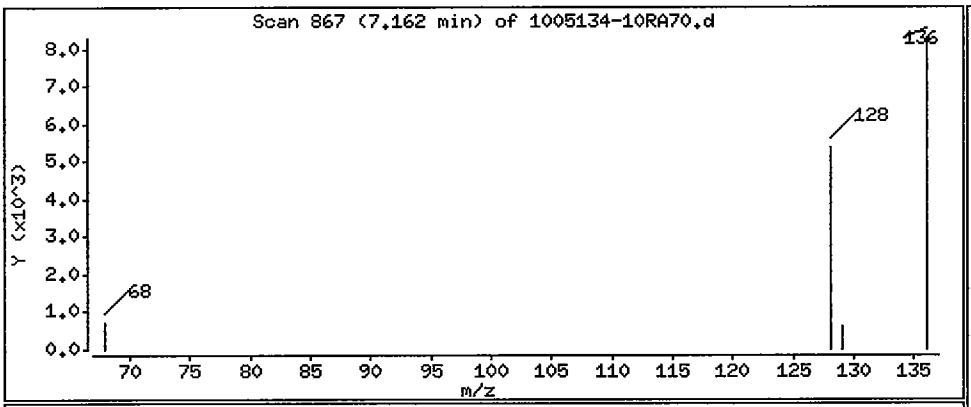
Operator: MEW

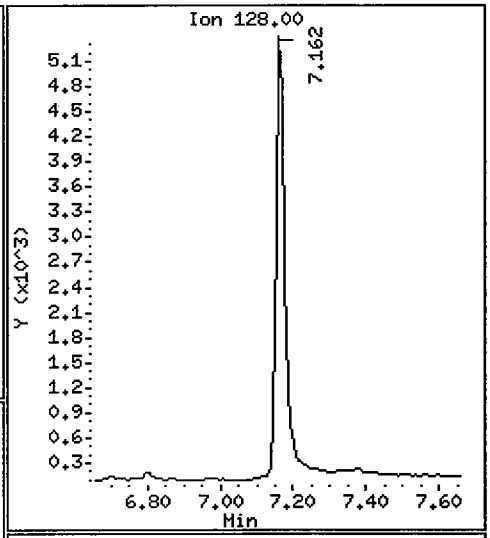
Column phase: Rtx-5MS

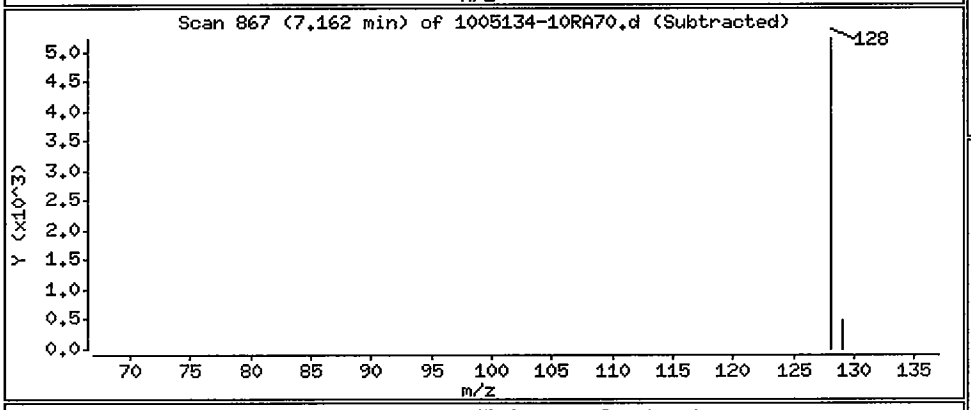
Column diameter: 0.32

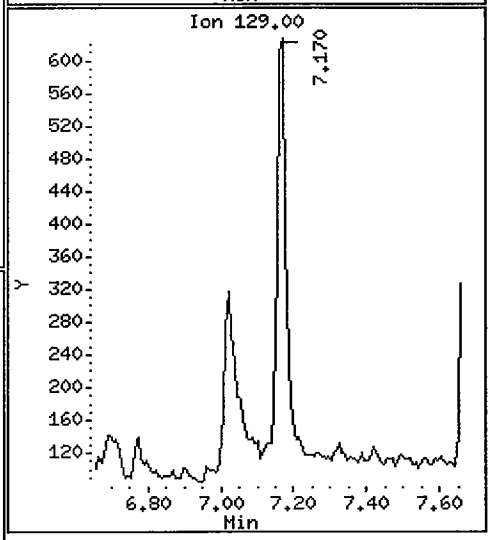
13 Naphthalene

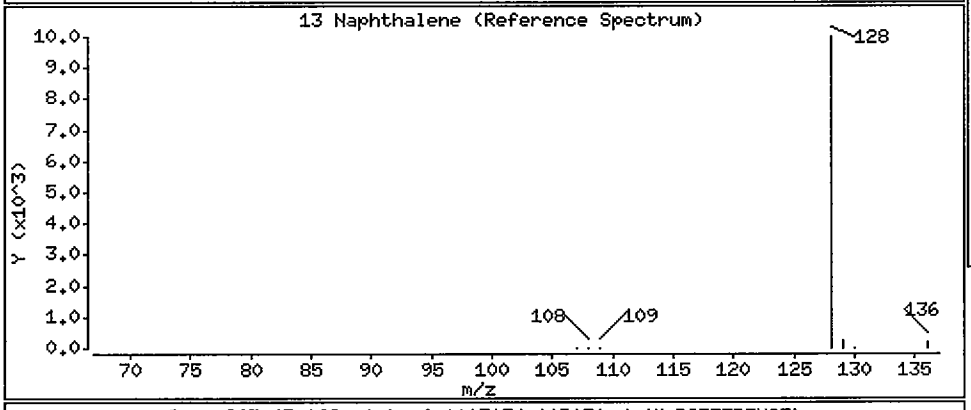
Concentration: 1.8 ug/Kg

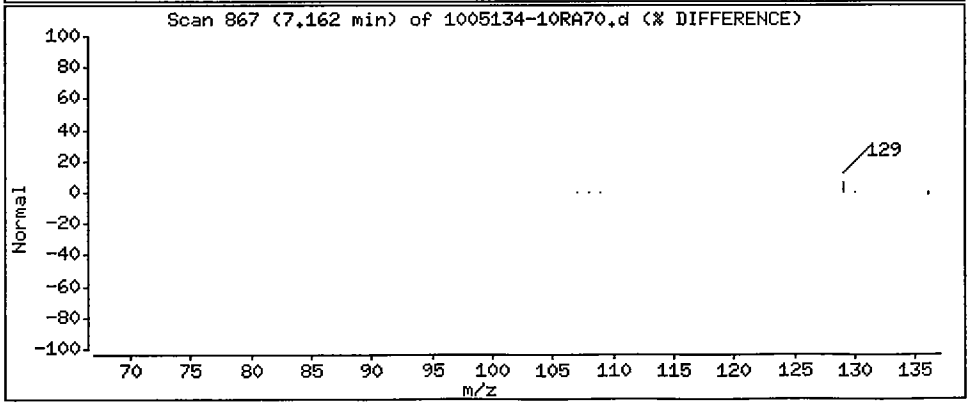












Data File: /chem/5972hp70.i/DS100630A70.b/1005134-10RA70.d

Date : 30-JUN-2010 23:12

Client ID: SS32-0-1RE

Instrument: 5972hp70.i

Sample Info: 1005134-10RE1:MEW

Volume Injected (uL): 2.0

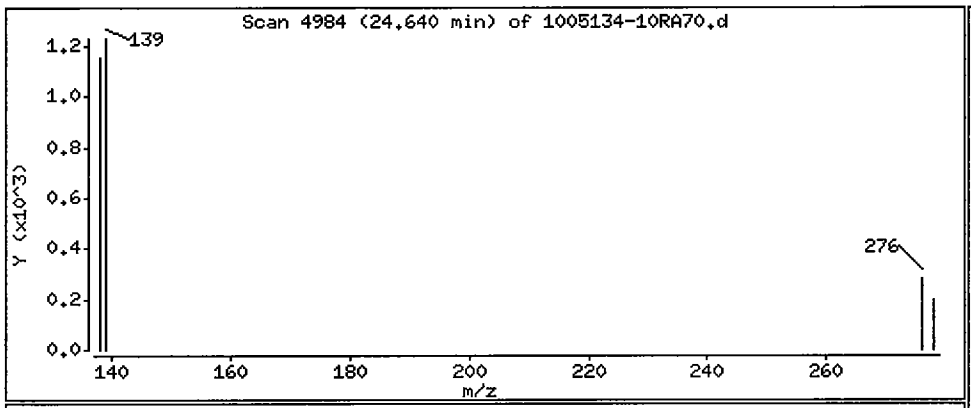
Operator: MEW

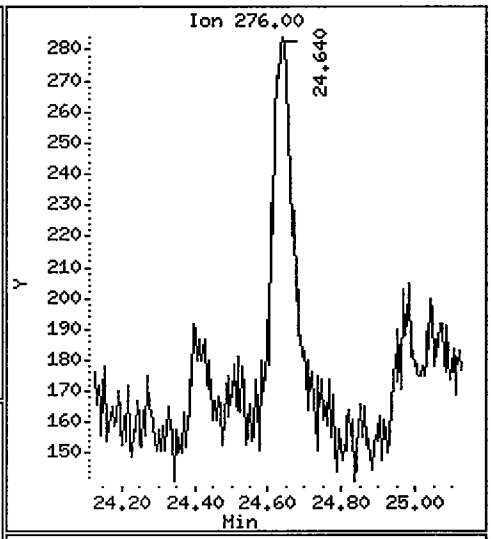
Column phase: Rtx-5MS

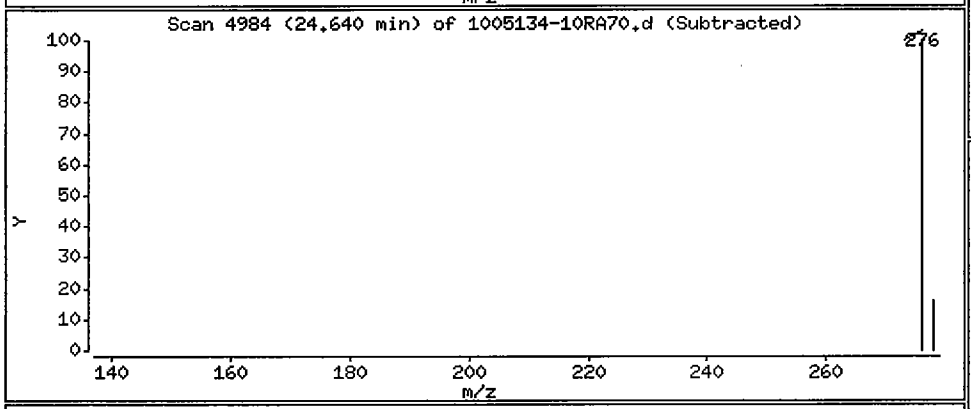
Column diameter: 0.32

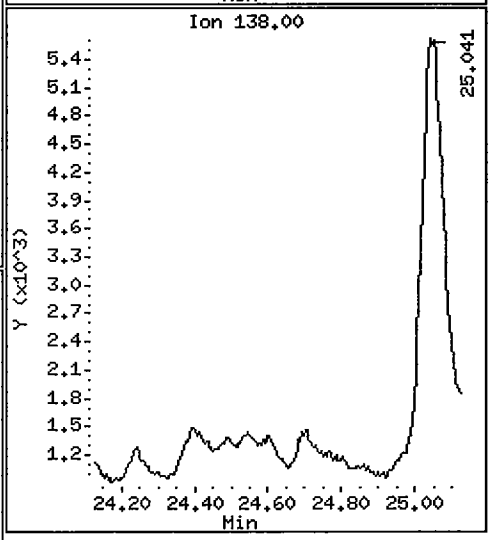
34 Indeno(1,2,3-cd)pyrene

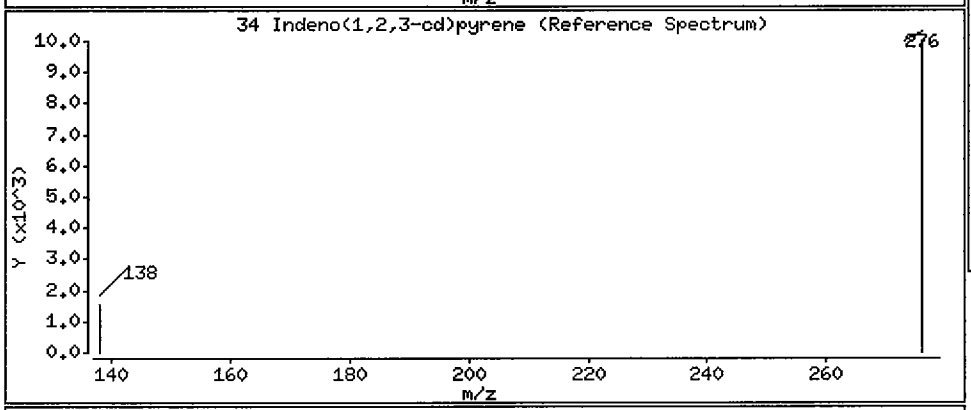
Concentration: 4.0 ug/Kg

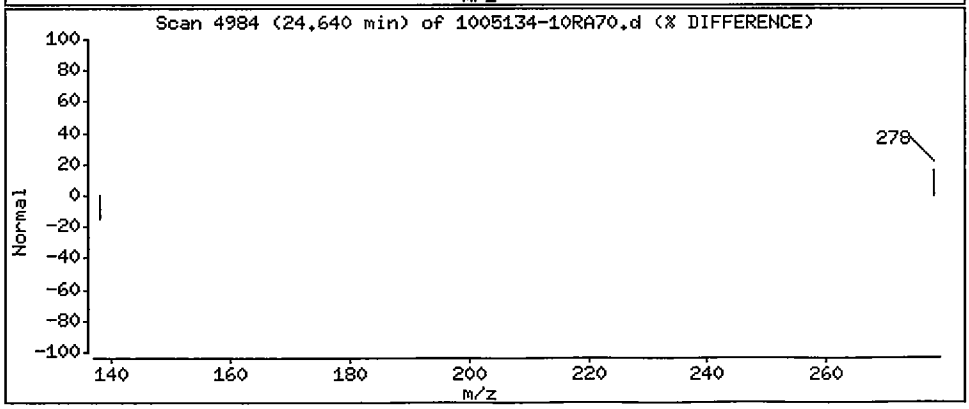












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SS32D-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/18/10

Lab Sample ID: 1005134-11
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005134-11B70
Analyst: TD

% Moisture: 3 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK2

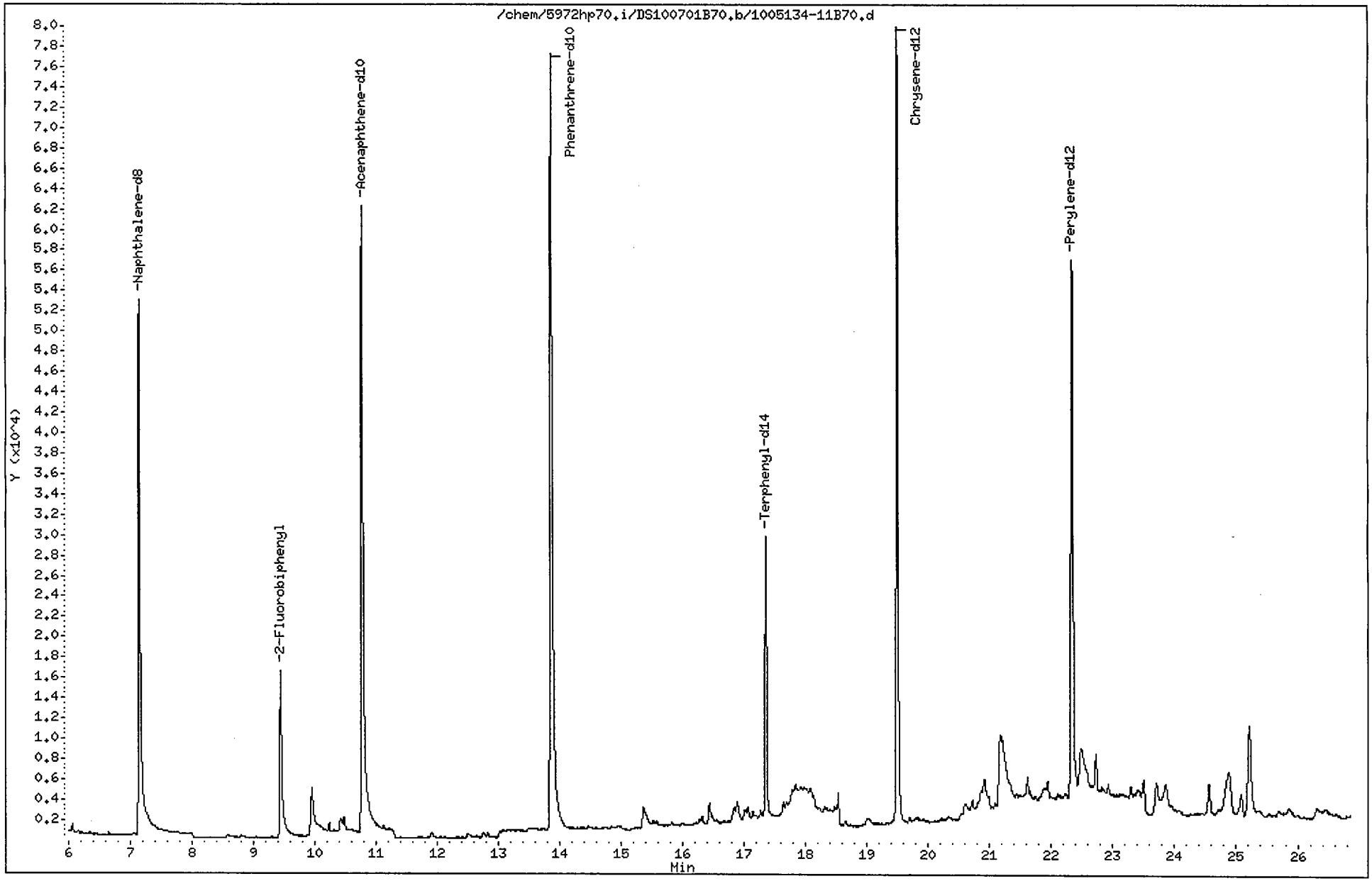
Date Extracted: 05/25/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.74	8.6	ND	U
91-57-6	2-Methylnaphthalene	0.70	8.6	ND	U
208-96-8	Acenaphthylene	0.55	8.6	ND	U
83-32-9	Acenaphthene	0.62	8.6	ND	U
86-73-7	Fluorene	0.46	8.6	ND	U
85-01-8	Phenanthrene	1.4	8.6	ND	U
120-12-7	Anthracene	0.45	8.6	ND	U
206-44-0	Fluoranthene	1.4	8.6	ND	U
129-00-0	Pyrene	0.58	8.6	ND	U
56-55-3	Benzo(a)anthracene	0.58	8.6	ND	U
218-01-9	Chrysene	0.65	8.6	ND	U
205-99-2	Benzo(b)fluoranthene	0.58	8.6	ND	U
207-08-9	Benzo(k)fluoranthene	0.45	8.6	ND	U
50-32-8	Benzo(a)pyrene	0.40	8.6	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	8.6	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.34	8.6	ND	U
191-24-2	Benzo(g,h,i)perylene	0.40	8.6	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100701B70.b/1005134-11B70.d
Date : 01-JUL-2010 23:37
Client ID: SS32D-0-1
Instrument: 5972hp70.i
Sample Info: 1005134-11:TD
Volume Injected (uL): 2.0
Operator: TD
Column phase: Rtx-5MS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701B70.b/1005134-11B70.d
Report Date: 06-Jul-2010 16:23

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701B70.b/1005134-11B70.d
Lab Smp Id: 1005134-11 Client Smp ID: SS32D-0-1
Inj Date : 01-JUL-2010 23:37
Operator : TD Inst ID: 5972hp70.i
Smp Info : 1005134-11:TD
Misc Info : SS32D-0-1
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701B70.b/SIM_8270Cv3DOD.m
Meth Date : 06-Jul-2010 15:50 mead Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	3.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)	
*	1 1,4-Dichlorobenzene-d4	152	4.845	4.848	(1.000)	30568	2.00000		(a)
*	2 Naphthalene-d8	136	7.146	7.162	(1.000)	118394	2.00000		(a)
*	3 Acenaphthene-d10	164	10.770	10.784	(1.000)	74884	2.00000		(a)
*	4 Phenanthrene-d10	188	13.858	13.872	(1.000)	154489	2.00000		(a)
*	5 Chrysene-d12	240	19.488	19.499	(1.000)	120876	2.00000		(a)
*	6 Perylene-d12	264	22.335	22.344	(1.000)	105538	2.00000		(a)
$	9 Nitrobenzene-d5	82	5.873	5.880	(0.822)	21406	0.55872	9.6	
$	10 2-Fluorobiphenyl	172	9.437	9.460	(0.876)	32156	0.62307	11	
$	12 Terphenyl-d14	244	17.349	17.362	(0.890)	38473	0.89417	15	
	13 Naphthalene	128	Compound Not Detected.						
	15 2-Methylnaphthalene	141	Compound Not Detected.						
	17 Acenaphthylene	152	Compound Not Detected.						
	18 Acenaphthene	154	Compound Not Detected.						

pm
7/6/10

Data File: /chem/5972hp70.i/DS100701B70.b/1005134-11B70.d
Report Date: 06-Jul-2010 16:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SS32D-0-1RE

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/18/10

Lab Sample ID: 1005134-11RE1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005134-11RB70
Analyst: TD

% Moisture: 3 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

Date Extracted: 06/02/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

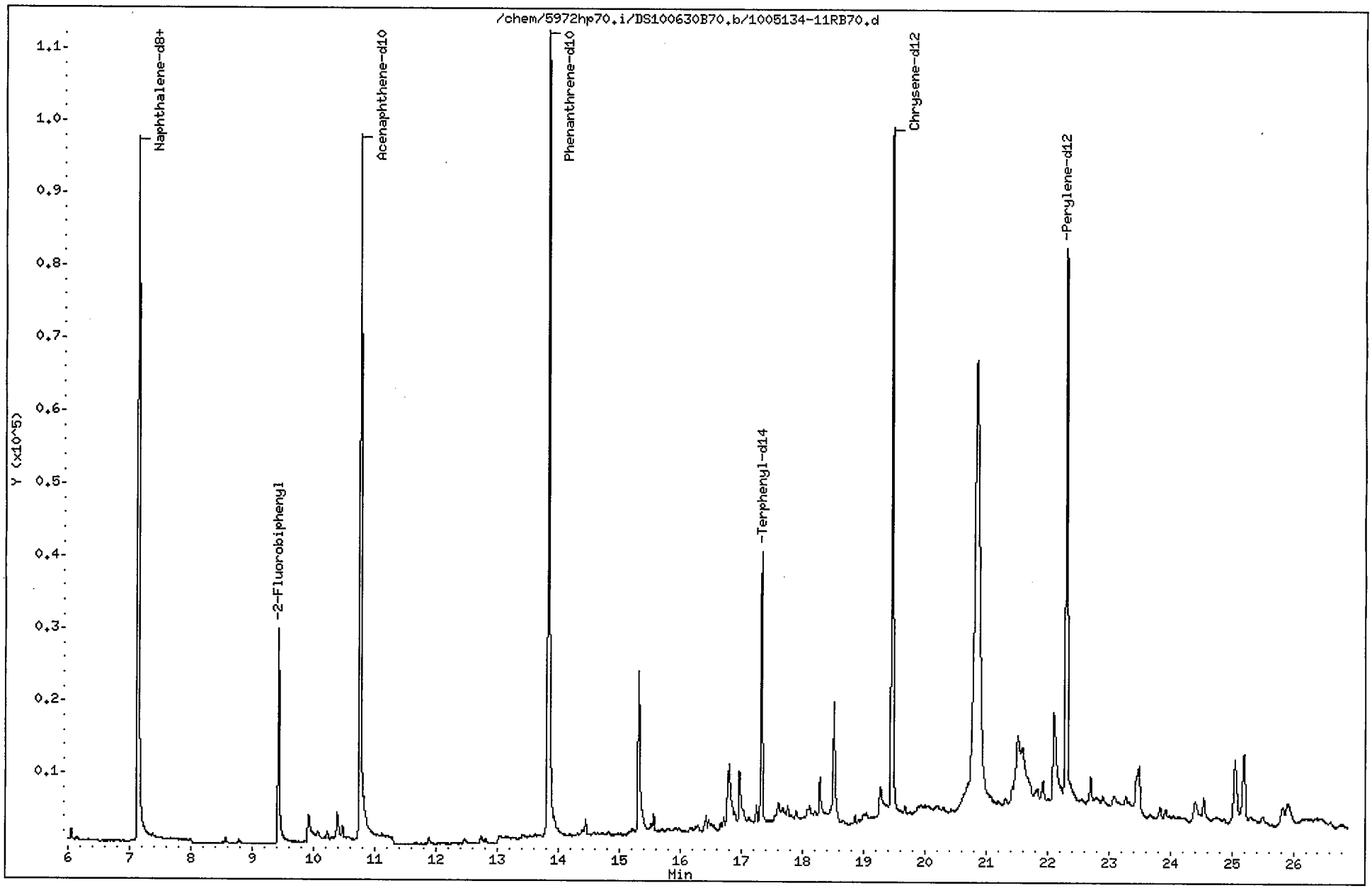
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.74	8.6	1.3	JB
91-57-6	2-Methylnaphthalene	0.70	8.6	ND	U
208-96-8	Acenaphthylene	0.55	8.6	ND	U
83-32-9	Acenaphthene	0.62	8.6	ND	U
86-73-7	Fluorene	0.46	8.6	ND	U
85-01-8	Phenanthrene	1.4	8.6	ND	U
120-12-7	Anthracene	0.45	8.6	ND	U
206-44-0	Fluoranthene	1.4	8.6	ND	U
129-00-0	Pyrene	0.58	8.6	ND	U
56-55-3	Benzo(a)anthracene	0.58	8.6	ND	U
218-01-9	Chrysene	0.65	8.6	ND	U
205-99-2	Benzo(b)fluoranthene	0.58	8.6	ND	U
207-08-9	Benzo(k)fluoranthene	0.45	8.6	ND	U
50-32-8	Benzo(a)pyrene	0.40	8.6	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	8.6	3.9	J
53-70-3	Dibenzo(a,h)anthracene	0.34	8.6	ND	U
191-24-2	Benzo(g,h,i)perylene	0.40	8.6	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100630B70.b/1005134-11RB70.d
Date : 01-JUL-2010 07:22
Client ID: SS32D-0-1RE
Sample Info: 1005134-11:TD
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: TD
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630B70.b/1005134-11RB70.d
Report Date: 02-Jul-2010 12:16

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630B70.b/1005134-11RB70.d
Lab Smp Id: 1005134-11 Client Smp ID: SS32D-0-1RE
Inj Date : 01-JUL-2010 07:22
Operator : TD Inst ID: 5972hp70.i
Smp Info : 1005134-11:TD
Misc Info : SS32D-0-1RE
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630B70.b/SIM_8270Cv3DOD.m
Meth Date : 02-Jul-2010 12:02 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	3.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)	
* 1 1,4-Dichlorobenzene-d4	152	4.837	4.823	(1.000)	42521	2.00000		(a)
* 2 Naphthalene-d8	136	7.138	7.130	(1.000)	157966	2.00000		(a)
* 3 Acenaphthene-d10	164	10.756	10.757	(1.000)	92891	2.00000		(a)
* 4 Phenanthrene-d10	188	13.837	13.831	(1.000)	175091	2.00000		(a)
* 5 Chrysene-d12	240	19.467	19.458	(1.000)	144500	2.00000		(a)
* 6 Perylene-d12	264	22.305	22.295	(1.000)	143743	2.00000		(a)
$ 9 Nitrobenzene-d5	82	5.860	5.855	(0.821)	24387	0.47707	8.2	
$ 10 2-Fluorobiphenyl	172	9.428	9.428	(0.876)	41681	0.65107	11	
$ 12 Terphenyl-d14	244	17.334	17.331	(0.890)	49339	0.95924	16	
13 Naphthalene	128	7.169	7.161	(1.004)	7619	0.07553	1.3	(a)
15 2-Methylnaphthalene	141	Compound Not Detected.						
17 Acenaphthylene	152	Compound Not Detected.						
18 Acenaphthene	154	Compound Not Detected.						

7/2/10

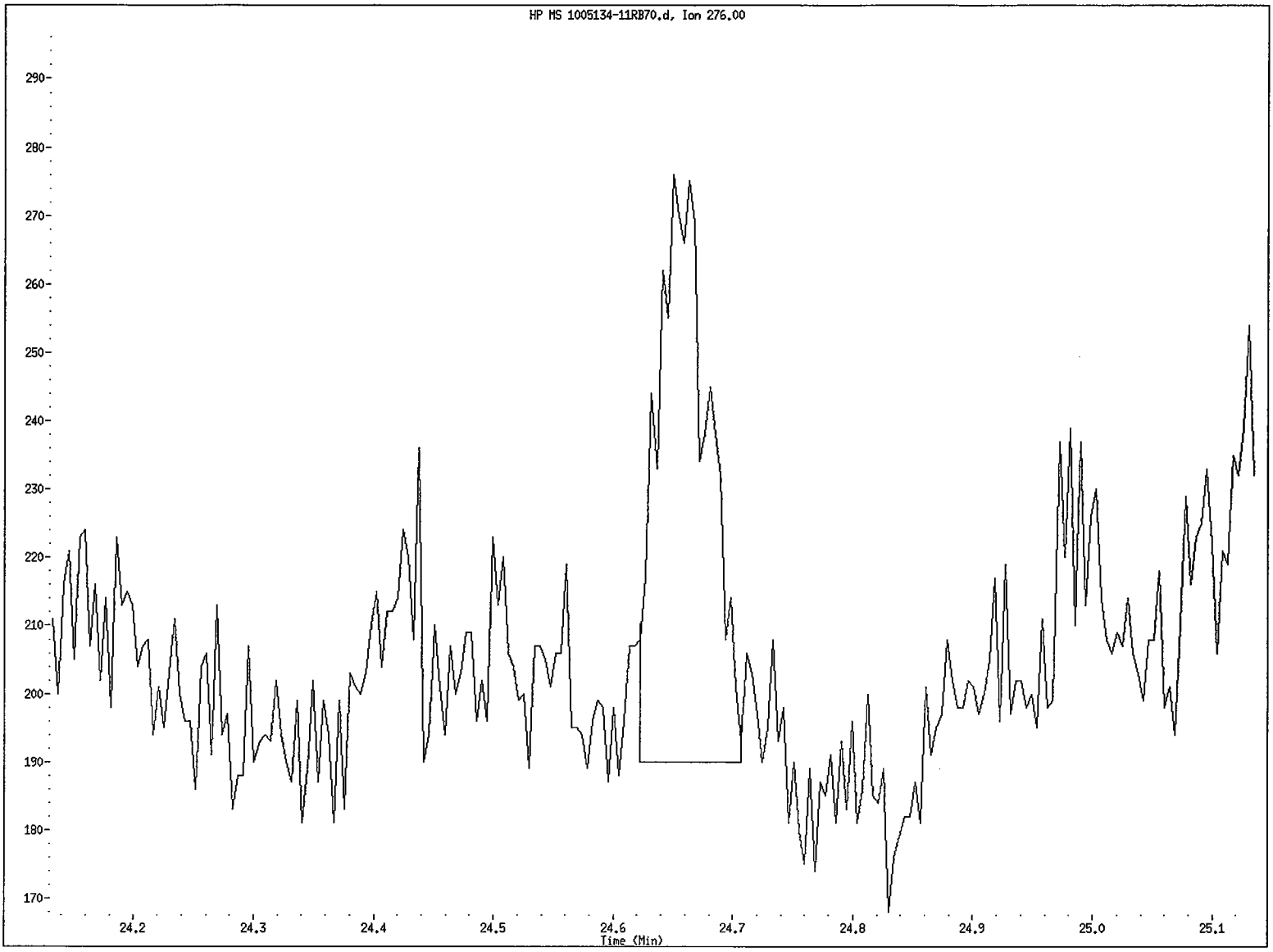
Data File: /chem/5972hp70.i/DS100630B70.b/1005134-11RB70.d
Report Date: 02-Jul-2010 12:16

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	24.649	24.635	(1.105)	259	0.22946	3.9(aM)
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

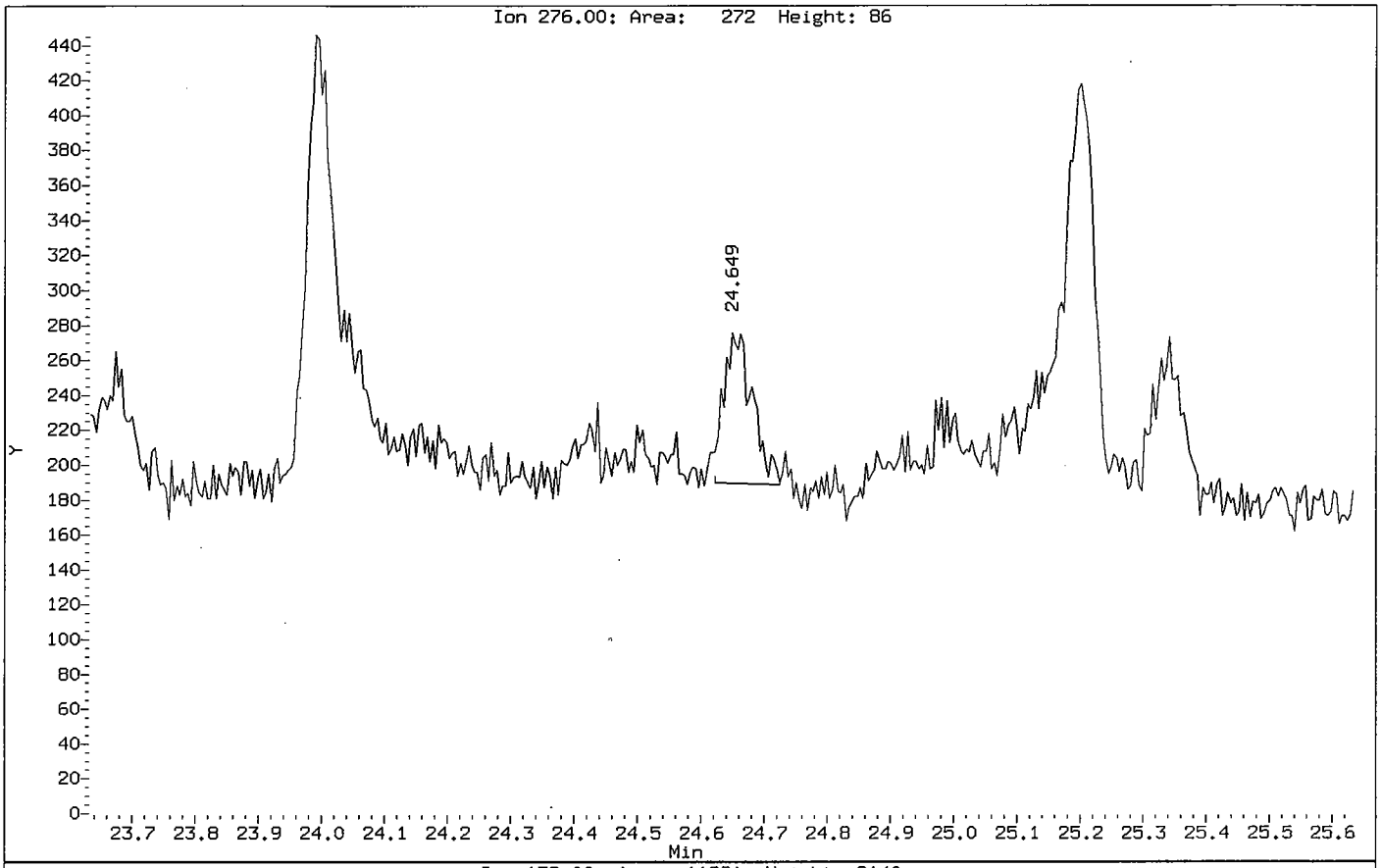
Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 259 Manually integrated

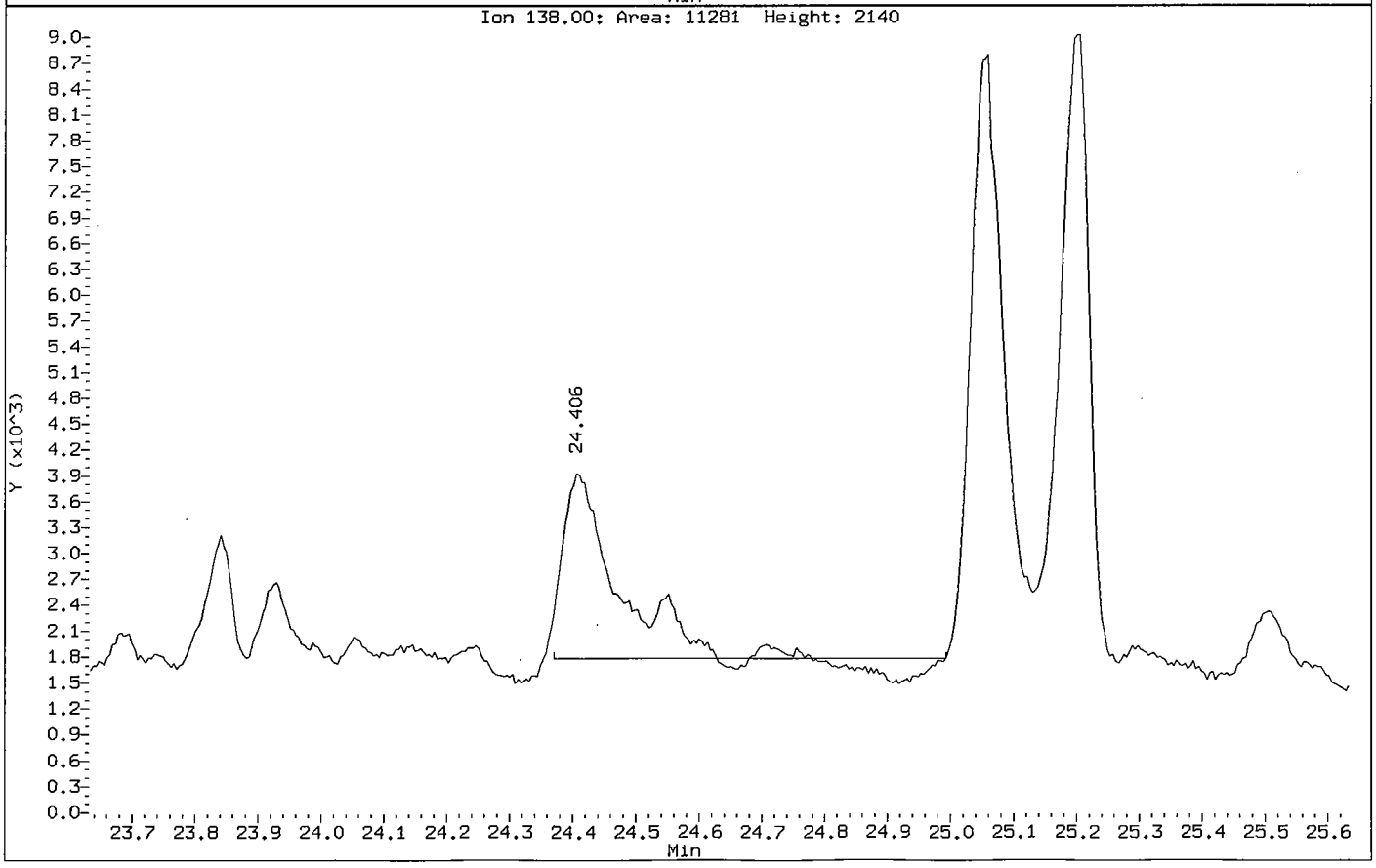


File name: /chem/5972hp70.i/DS100630B70.b/1005134-11RB70.d
Client ID: SS32D-0-1RE
Instrument ID: 5972hp70.i
Injection Date and Time: 01-JUL-2010 07:22
Retention Time: 24.65
Operator ID: TD

Data File: /chem/5972hp70.i/DS100630B70.b/1005134-11RB70.d
Injection Date: 01-JUL-2010 07:22
Instrument: 5972hp70.i
Client Sample ID: SS32D-0-1RE

Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





Data File: /chem/5972hp70.i/DS100630B70.b/1005134-11RB70.d

Date : 01-JUL-2010 07:22

Client ID: SS32D-0-1RE

Instrument: 5972hp70.i

Sample Info: 1005134-11:TD

Volume Injected (uL): 2.0

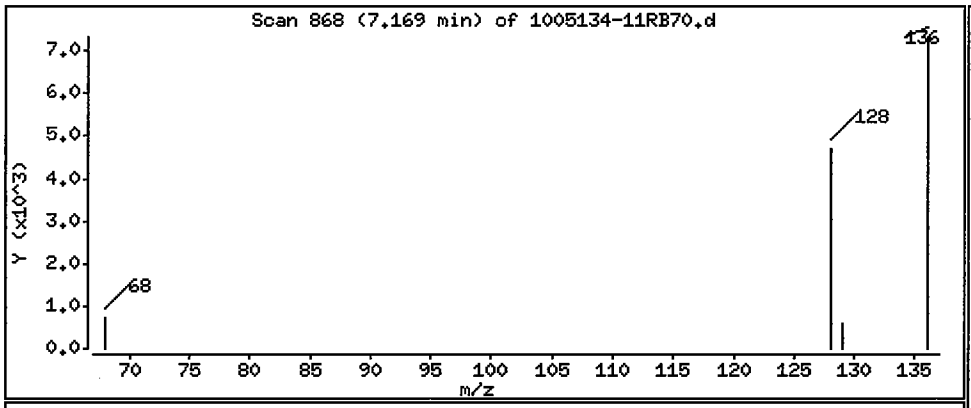
Operator: TD

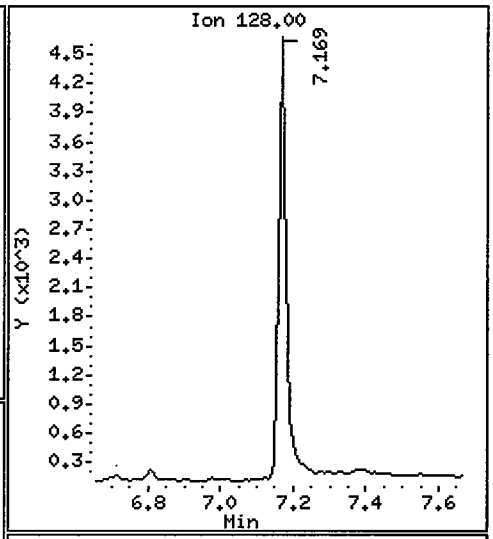
Column phase: Rtx-5MS

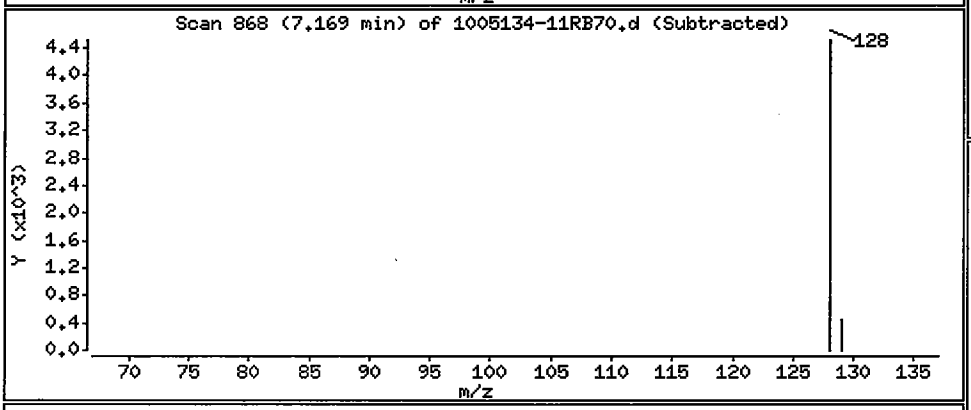
Column diameter: 0.32

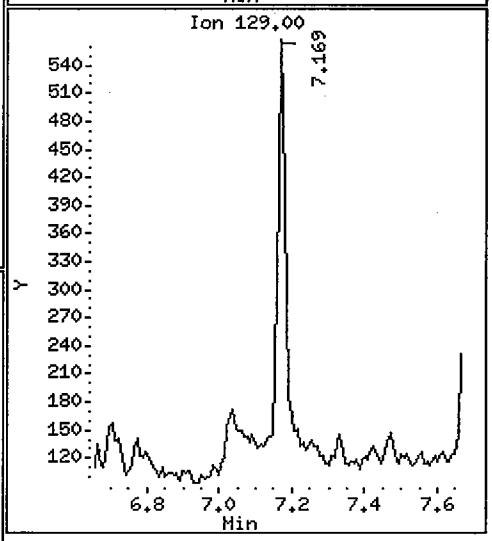
13 Naphthalene

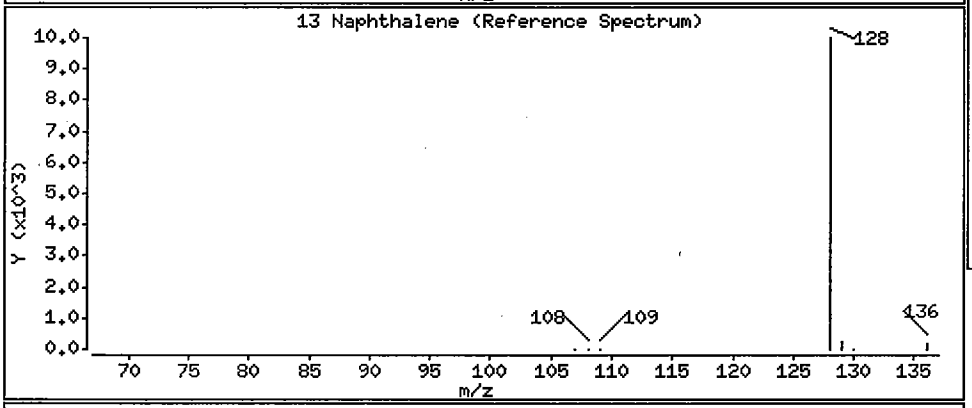
Concentration: 1.3 ug/Kg

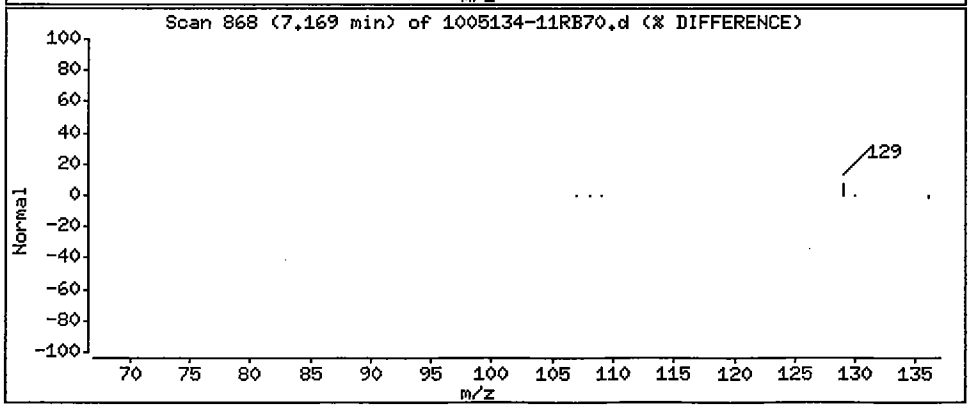












Data File: /chem/5972hp70.i/DS100630B70.b/1005134-11RB70.d

Date : 01-JUL-2010 07:22

Client ID: SS32D-0-1RE

Instrument: 5972hp70.i

Sample Info: 1005134-11:TD

Volume Injected (uL): 2.0

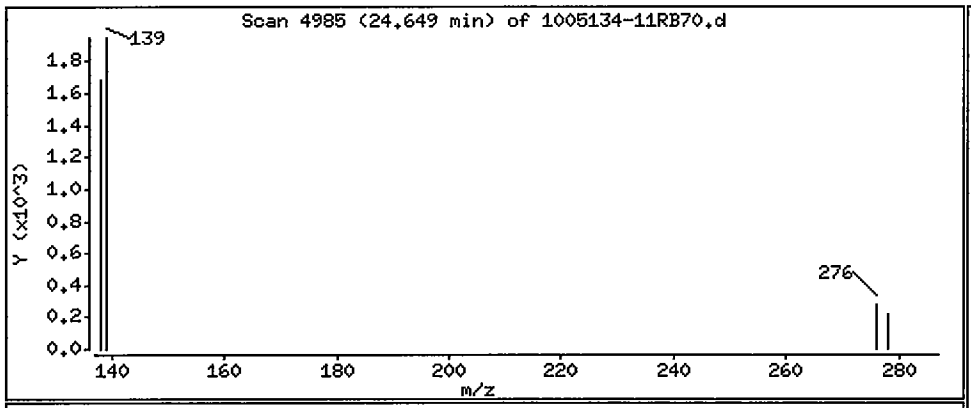
Operator: TD

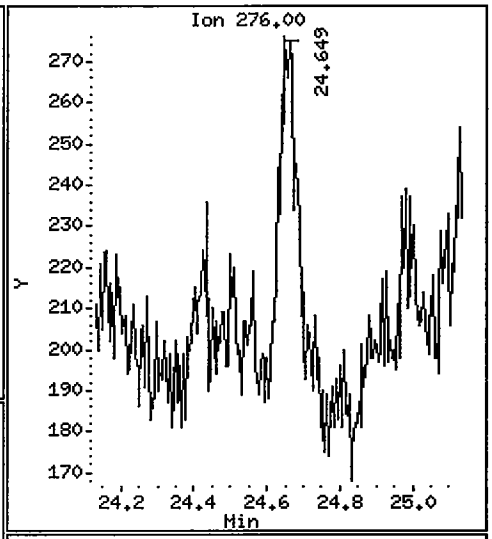
Column phase: Rtx-5MS

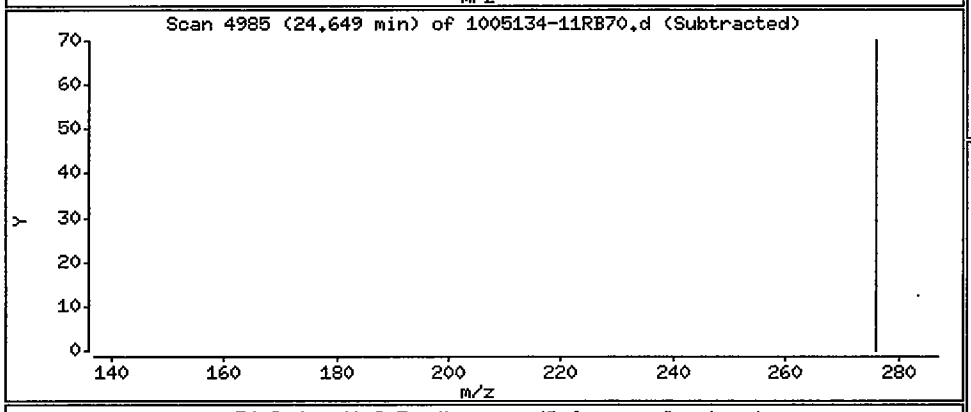
Column diameter: 0.32

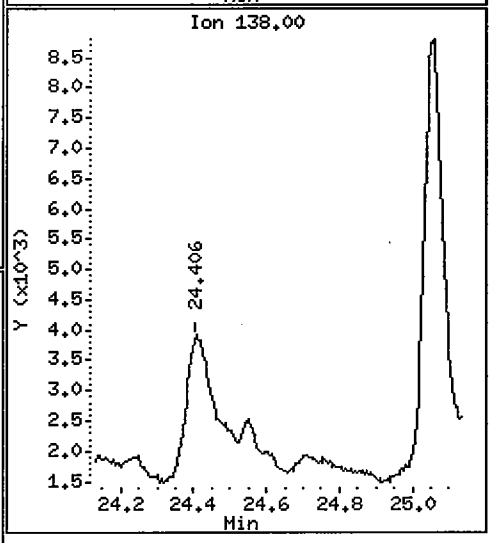
34 Indeno(1,2,3-cd)pyrene

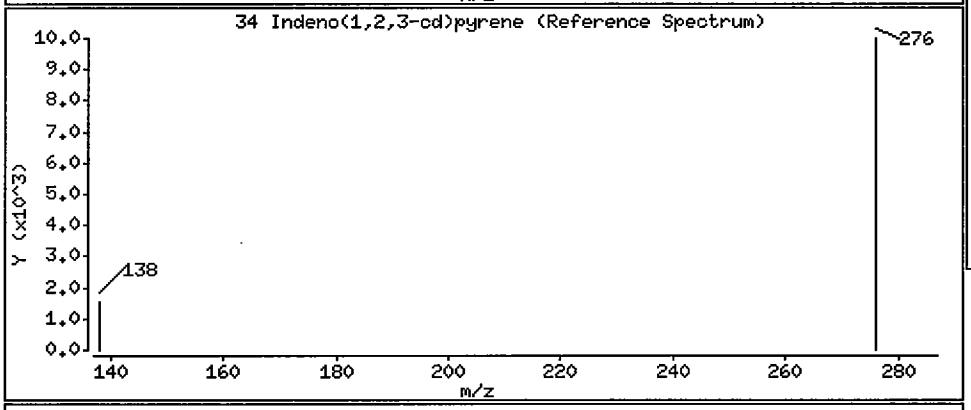
Concentration: 3.9 ug/Kg

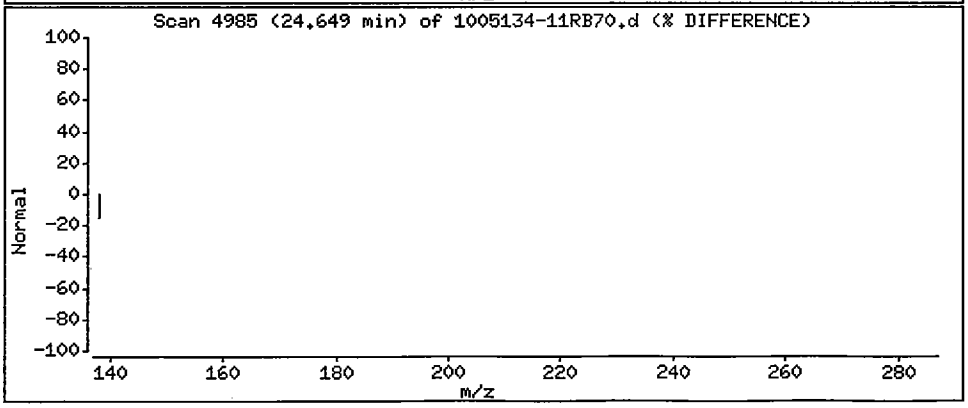












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SS33-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/17/10

Lab Sample ID: 1005134-06
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005134-06A66
Analyst: 2650

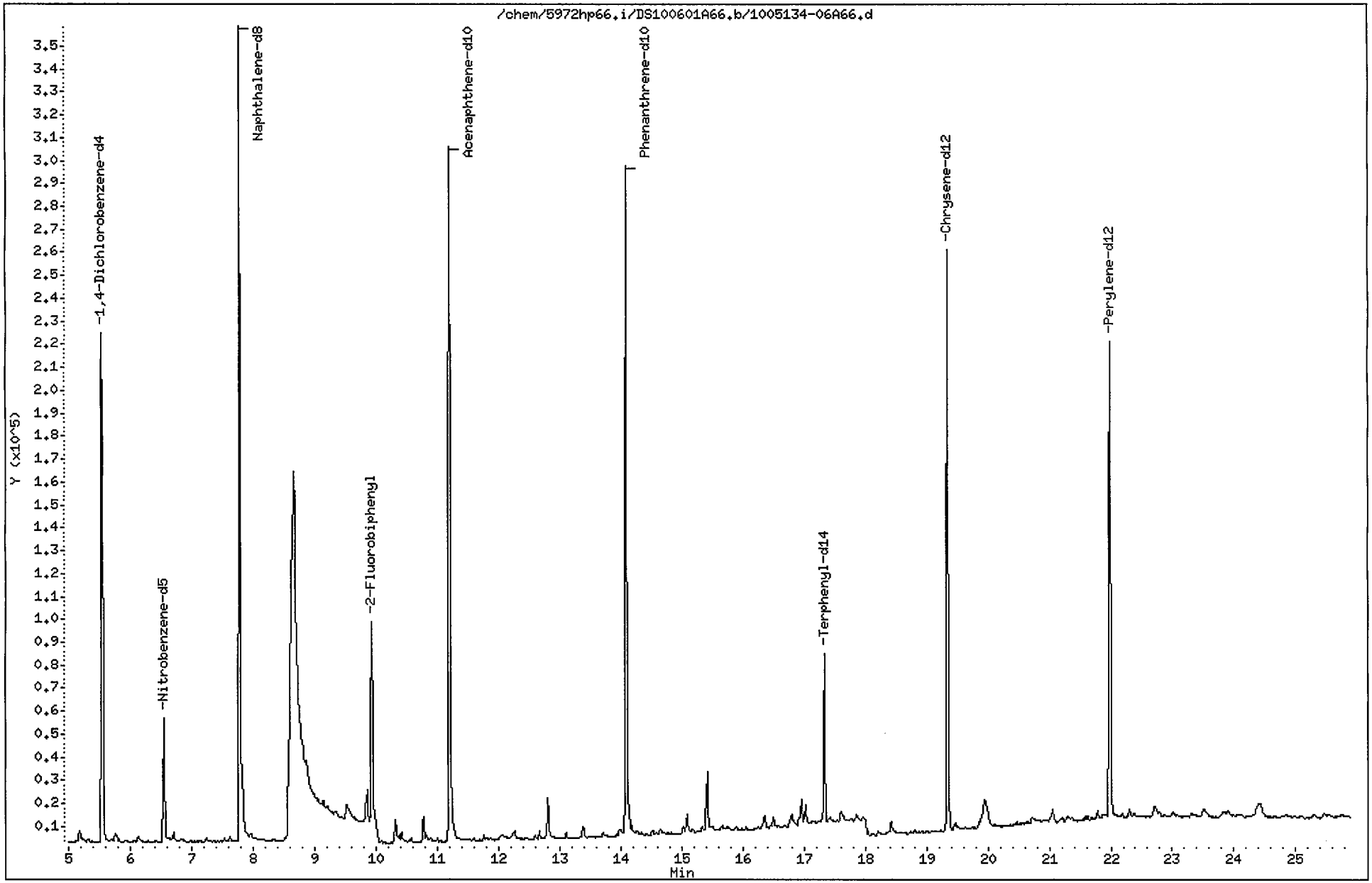
% Moisture: 22 decanted: (Y/N) Y
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK1

Date Extracted: 05/25/10
Date Analyzed: 06/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.92	11	ND	U
91-57-6	2-Methylnaphthalene	0.88	11	ND	U
208-96-8	Acenaphthylene	0.68	11	ND	U
83-32-9	Acenaphthene	0.77	11	ND	U
86-73-7	Fluorene	0.58	11	ND	U
85-01-8	Phenanthrene	1.7	11	ND	U
120-12-7	Anthracene	0.56	11	ND	U
206-44-0	Fluoranthene	1.7	11	ND	U
129-00-0	Pyrene	0.73	11	ND	U
56-55-3	Benzo(a)anthracene	0.73	11	ND	U
218-01-9	Chrysene	0.81	11	ND	U
205-99-2	Benzo(b)fluoranthene	0.73	11	ND	U
207-08-9	Benzo(k)fluoranthene	0.56	11	ND	U
50-32-8	Benzo(a)pyrene	0.49	11	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.47	11	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.43	11	ND	U
191-24-2	Benzo(g,h,i)perylene	0.49	11	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp66.i/DS100601A66.b/1005134-06A66.d
Date : 01-JUN-2010 21:59
Client ID: SS33-0-1
Instrument: 5972hp66.i
Sample Info: 1005134-06:2650
Volume Injected (uL): 2.0
Operator: 2650
Column phase: Rtx-5MS
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100601A66.b/1005134-06A66.d
Report Date: 11-Jun-2010 09:17

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100601A66.b/1005134-06A66.d
Lab Smp Id: 1005134-06 Client Smp ID: SS33-0-1
Inj Date : 01-JUN-2010 21:59
Operator : 2650 Inst ID: 5972hp66.i
Smp Info : 1005134-06:2650
Misc Info : SS33-0-1
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100601A66.b/SIM_8270Cv2DOD.m
Meth Date : 11-Jun-2010 08:59 perry Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	22.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
*	1 1,4-Dichlorobenzene-d4	152	5.544	5.531	(1.000)	143206	2.00000	
*	2 Naphthalene-d8	136	7.786	7.773	(1.000)	542679	2.00000	
*	3 Acenaphthene-d10	164	11.205	11.192	(1.000)	243006	2.00000	
*	4 Phenanthrene-d10	188	14.088	14.074	(1.000)	435495	2.00000	
*	5 Chrysene-d12	240	19.345	19.328	(1.000)	347178	2.00000	
*	6 Perylene-d12	264	21.983	21.960	(1.000)	315218	2.00000	
$	9 Nitrobenzene-d5	82	6.548	6.534	(0.841)	62803	0.52008	11
$	10 2-Fluorobiphenyl	172	9.937	9.923	(0.887)	102765	0.40525	8.7(R)
$	12 Terphenyl-d14	244	17.335	17.320	(0.896)	87986	0.69750	15
	13 Naphthalene	128	Compound Not Detected.					
	15 2-Methylnaphthalene	141	Compound Not Detected.					
	17 Acenaphthylene	152	Compound Not Detected.					
	18 Acenaphthene	154	Compound Not Detected.					

TMP 6/11/10

Data File: /chem/5972hp66.i/DS100601A66.b/1005134-06A66.d
Report Date: 11-Jun-2010 09:17

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

TMP 6/11/10

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SS33-0-1RE

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/17/10

Lab Sample ID: 1005134-06RE1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005134-06RA70
Analyst: MEW

% Moisture: 22 decanted: (Y/N) Y
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

Date Extracted: 06/02/10
Date Analyzed: 06/30/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.92	11	3.5	JB
91-57-6	2-Methylnaphthalene	0.88	11	ND	U
208-96-8	Acenaphthylene	0.68	11	ND	U
83-32-9	Acenaphthene	0.77	11	ND	U
86-73-7	Fluorene	0.58	11	ND	U
85-01-8	Phenanthrene	1.7	11	ND	U
120-12-7	Anthracene	0.56	11	ND	U
206-44-0	Fluoranthene	1.7	11	ND	U
129-00-0	Pyrene	0.73	11	ND	U
56-55-3	Benzo(a)anthracene	0.73	11	ND	U
218-01-9	Chrysene	0.81	11	ND	U
205-99-2	Benzo(b)fluoranthene	0.73	11	ND	U
207-08-9	Benzo(k)fluoranthene	0.56	11	ND	U
50-32-8	Benzo(a)pyrene	0.49	11	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.47	11	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.43	11	ND	U
191-24-2	Benzo(g,h,i)perylene	0.49	11	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp70.i/DS100630A70.b/1005134-06RA70.d
Report Date: 01-Jul-2010 13:46

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630A70.b/1005134-06RA70.d
Lab Smp Id: 1005134-06RE1 Client Smp ID: SS33-0-1RE
Inj Date : 30-JUN-2010 20:50
Operator : MEW Inst ID: 5972hp70.i
Smp Info : 1005134-06RE1:MEW
Misc Info : SS33-0-1RE
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Meth Date : 01-Jul-2010 13:46 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	22.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	4.841	4.822	(1.000)	31002	2.00000	
* 2 Naphthalene-d8	136	7.130	7.129	(1.000)	111060	2.00000	
* 3 Acenaphthene-d10	164	10.749	10.757	(1.000)	65904	2.00000	
* 4 Phenanthrene-d10	188	13.829	13.829	(1.000)	106565	2.00000	
* 5 Chrysene-d12	240	19.453	19.454	(1.000)	79526	2.00000	
* 6 Perylene-d12	264	22.283	22.287	(1.000)	60397	2.00000	
$ 9 Nitrobenzene-d5	82	5.865	5.849	(0.823)	18115	0.50404	11
$ 10 2-Fluorobiphenyl	172	9.423	9.428	(0.877)	27098	0.59661	13
$ 12 Terphenyl-d14	244	17.322	17.326	(0.890)	23473	0.82921	18
13 Naphthalene	128	7.168	7.160	(1.005)	11682	0.16472	3.5(a)
15 2-Methylnaphthalene	141	Compound Not Detected.					
17 Acenaphthylene	152	Compound Not Detected.					
18 Acenaphthene	154	Compound Not Detected.					

07/1/10

Data File: /chem/5972hp70.i/DS100630A70.b/1005134-06RA70.d
Report Date: 01-Jul-2010 13:46

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /chem/5972hp70.i/DS100630A70.b/1005134-06RA70.d

Date : 30-JUN-2010 20:50

Client ID: SS33-0-1RE

Instrument: 5972hp70.i

Sample Info: 1005134-06RE1:MEW

Volume Injected (uL): 2.0

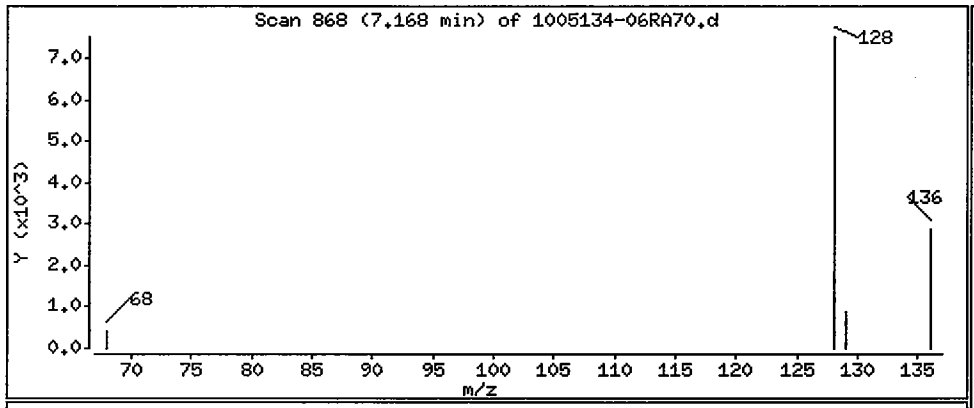
Operator: MEW

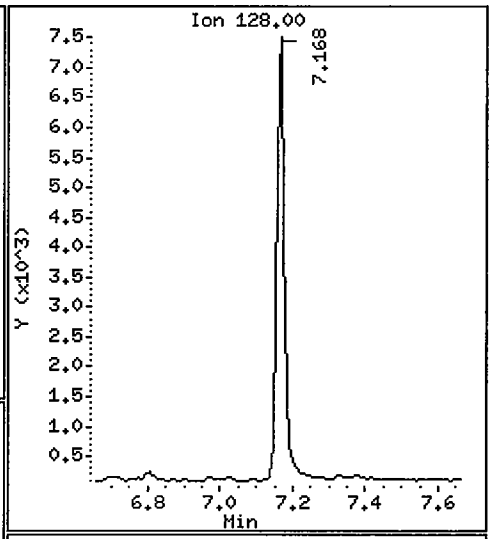
Column phase: Rtx-5MS

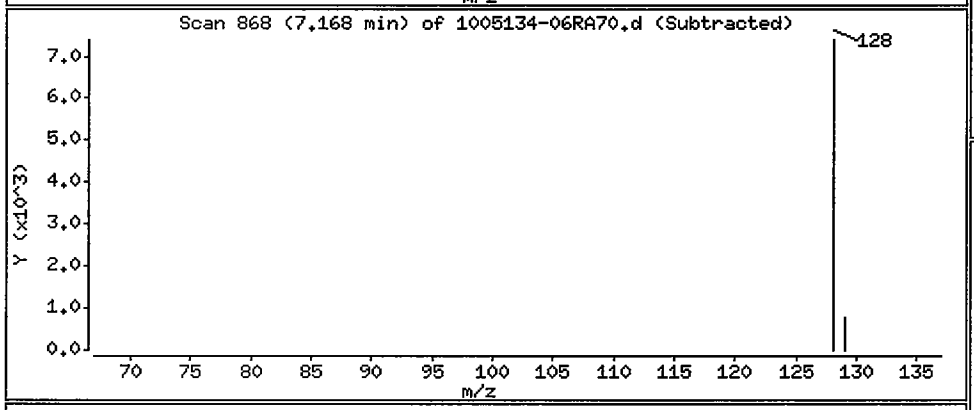
Column diameter: 0.32

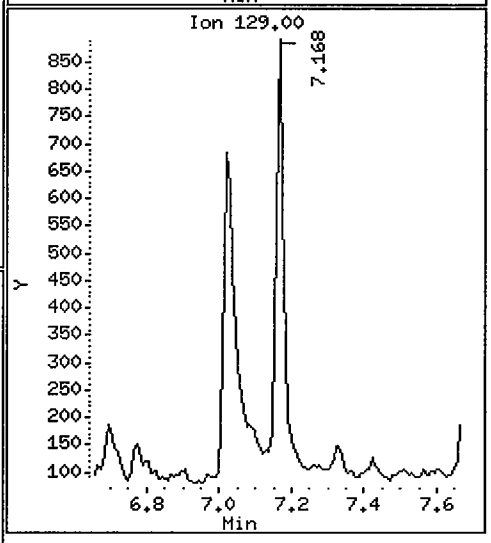
13 Naphthalene

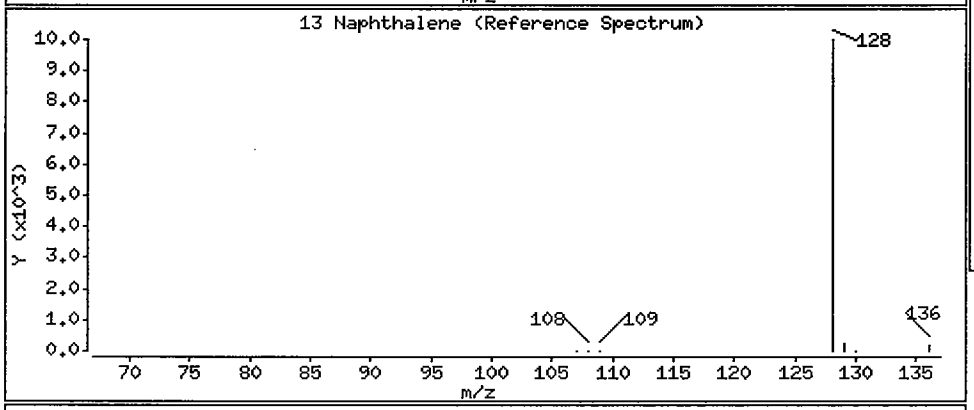
Concentration: 3.5 ug/Kg

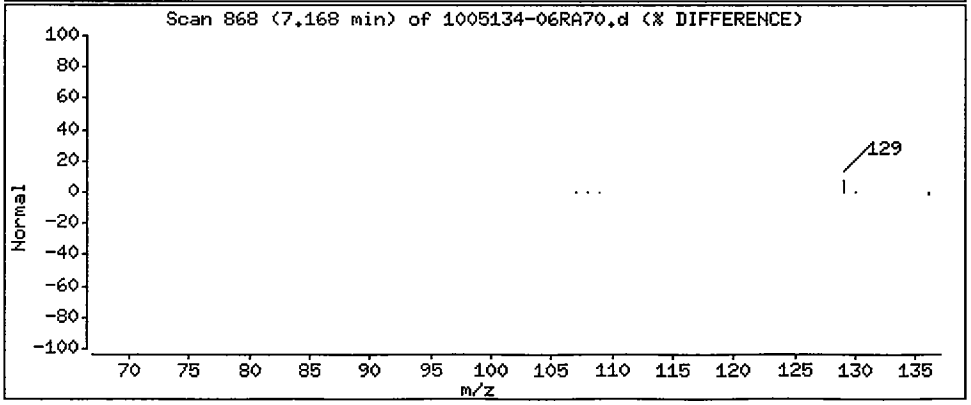












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SS43-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005134-19
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005134-19RB70
Analyst: TD

% Moisture: 3 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

Date Extracted: 06/02/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

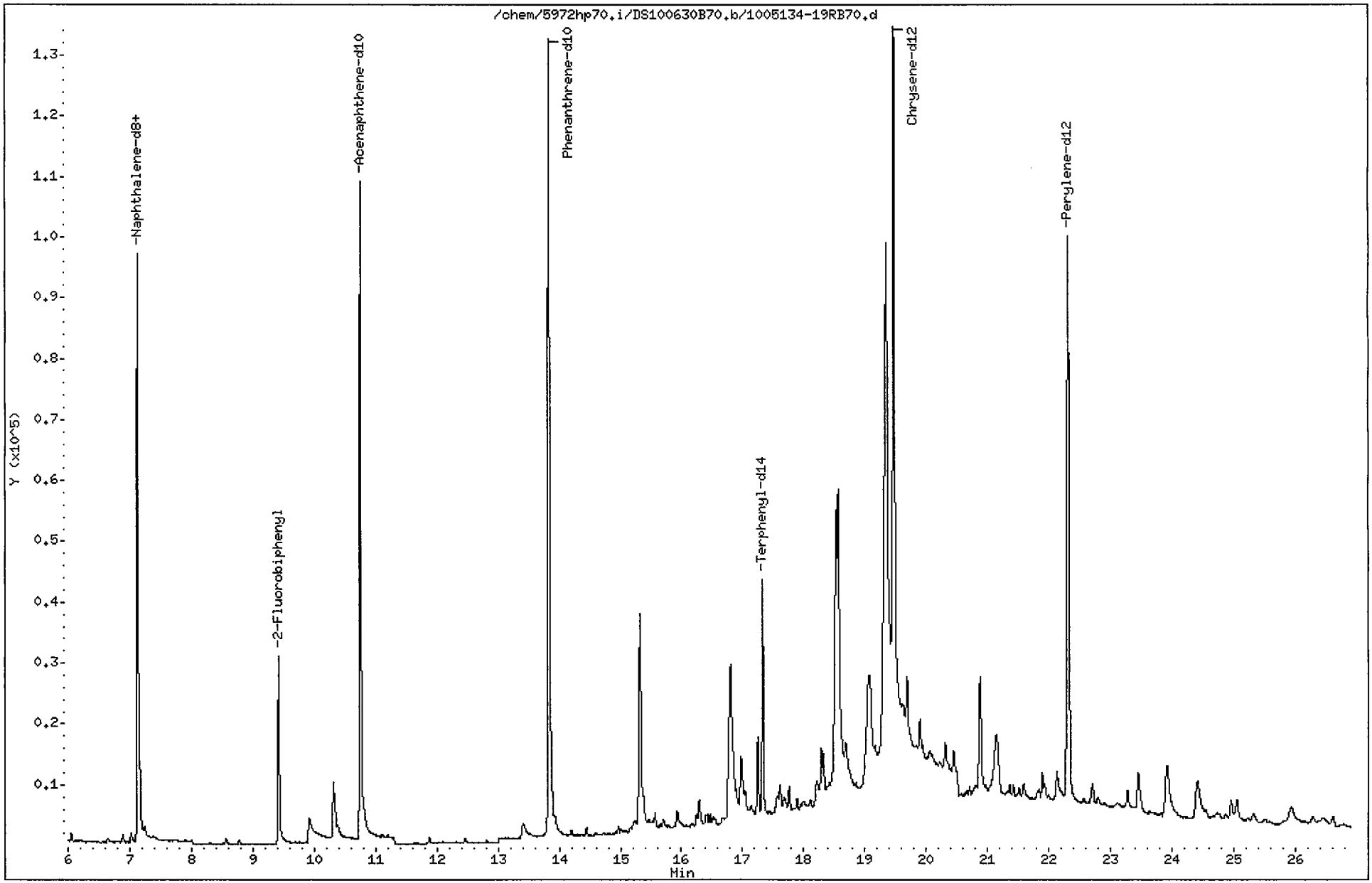
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.74	8.6	1.4	JB
91-57-6	2-Methylnaphthalene	0.70	8.6	ND	U
208-96-8	Acenaphthylene	0.55	8.6	ND	U
83-32-9	Acenaphthene	0.62	8.6	ND	U
86-73-7	Fluorene	0.46	8.6	ND	U
85-01-8	Phenanthrene	1.4	8.6	ND	U
120-12-7	Anthracene	0.45	8.6	ND	U
206-44-0	Fluoranthene	1.4	8.6	ND	U
129-00-0	Pyrene	0.58	8.6	ND	U
56-55-3	Benzo(a)anthracene	0.58	8.6	ND	U
218-01-9	Chrysene	0.65	8.6	ND	U
205-99-2	Benzo(b)fluoranthene	0.58	8.6	ND	U
207-08-9	Benzo(k)fluoranthene	0.45	8.6	ND	U
50-32-8	Benzo(a)pyrene	0.40	8.6	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	8.6	4.0	J
53-70-3	Dibenzo(a,h)anthracene	0.34	8.6	ND	U
191-24-2	Benzo(g,h,i)perylene	0.40	8.6	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100630B70.b/1005134-19RB70.d
Date : 01-JUL-2010 06:11
Client ID: SS43-0-1
Sample Info: 1005134-19:TD
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: TD
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630B70.b/1005134-19RB70.d
Report Date: 07-Jul-2010 16:04

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630B70.b/1005134-19RB70.d
Lab Smp Id: 1005134-19 Client Smp ID: SS43-0-1
Inj Date : 01-JUL-2010 06:11
Operator : TD Inst ID: 5972hp70.i
Smp Info : 1005134-19:TD
Misc Info : SS43-0-1
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630B70.b/SIM_8270Cv3DOD.m
Meth Date : 07-Jul-2010 11:45 parikh Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	3.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
*	1 1,4-Dichlorobenzene-d4	152	4.835	4.823	(1.000)	39021	2.00000		(a)
*	2 Naphthalene-d8	136	7.130	7.130	(1.000)	143669	2.00000		(a)
*	3 Acenaphthene-d10	164	10.750	10.757	(1.000)	99575	2.00000		(a)
*	4 Phenanthrene-d10	188	13.833	13.831	(1.000)	201351	2.00000		(a)
*	5 Chrysene-d12	240	19.467	19.458	(1.000)	269824	2.00000		(a)
*	6 Perylene-d12	264	22.305	22.295	(1.000)	185138	2.00000		(a)
$	9 Nitrobenzene-d5	82	5.859	5.855	(0.822)	27970	0.60161	10	
$	10 2-Fluorobiphenyl	172	9.423	9.428	(0.877)	40486	0.58995	10	
$	12 Terphenyl-d14	244	17.326	17.331	(0.890)	52722	0.54893	9.4	
	13 Naphthalene	128	7.161	7.161	(1.004)	7299	0.07956	1.4	(a)
	15 2-Methylnaphthalene	141	Compound Not Detected.						
	17 Acenaphthylene	152	Compound Not Detected.						
	18 Acenaphthene	154	Compound Not Detected.						

SMP 07/07/10

Data File: /chem/5972hp70.i/DS100630B70.b/1005134-19RB70.d
Report Date: 07-Jul-2010 16:04

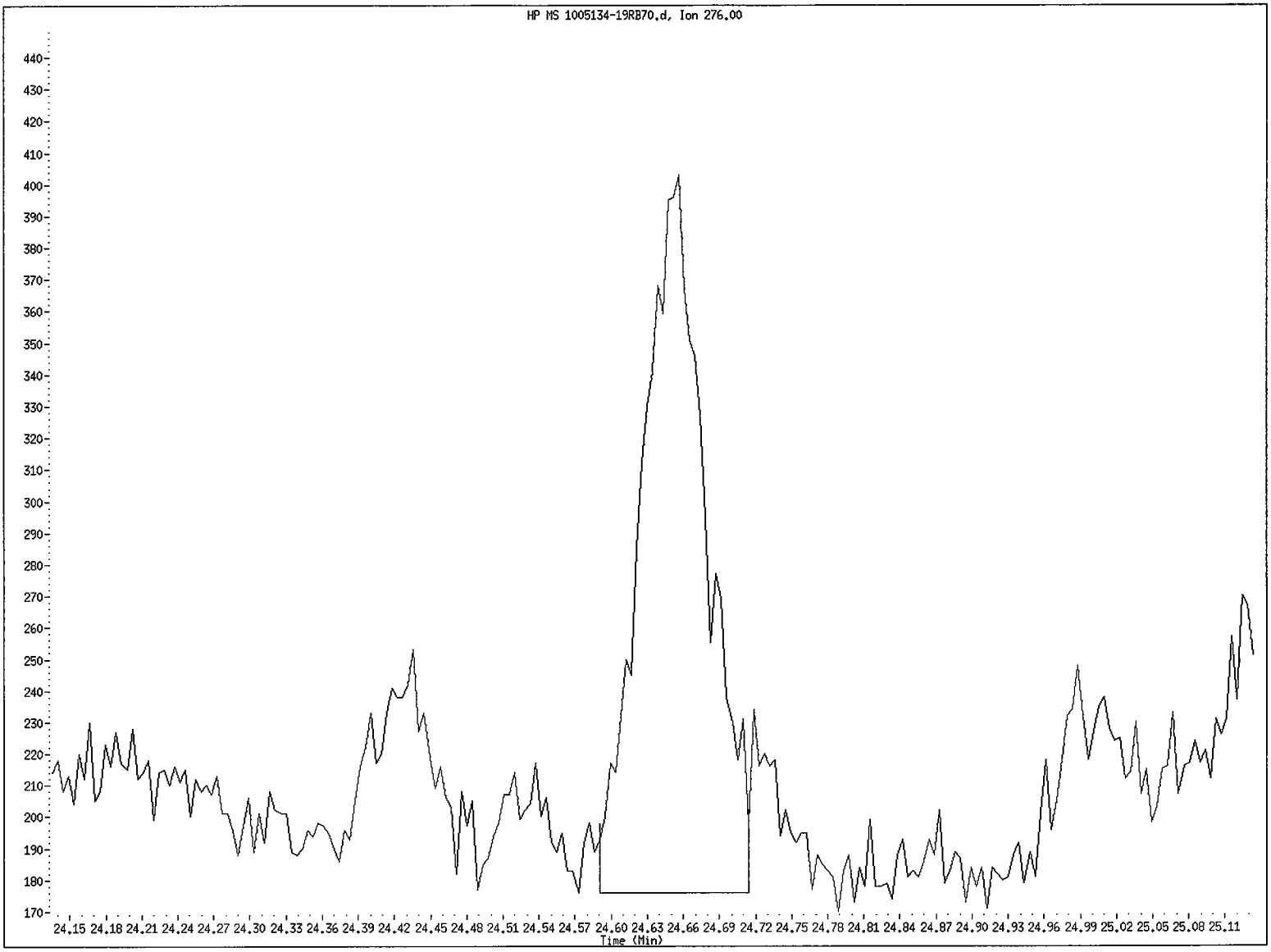
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	24.657	24.635	(1.105)	857	0.23484	4.0(aM) 2
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

SAH 07/07/10

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

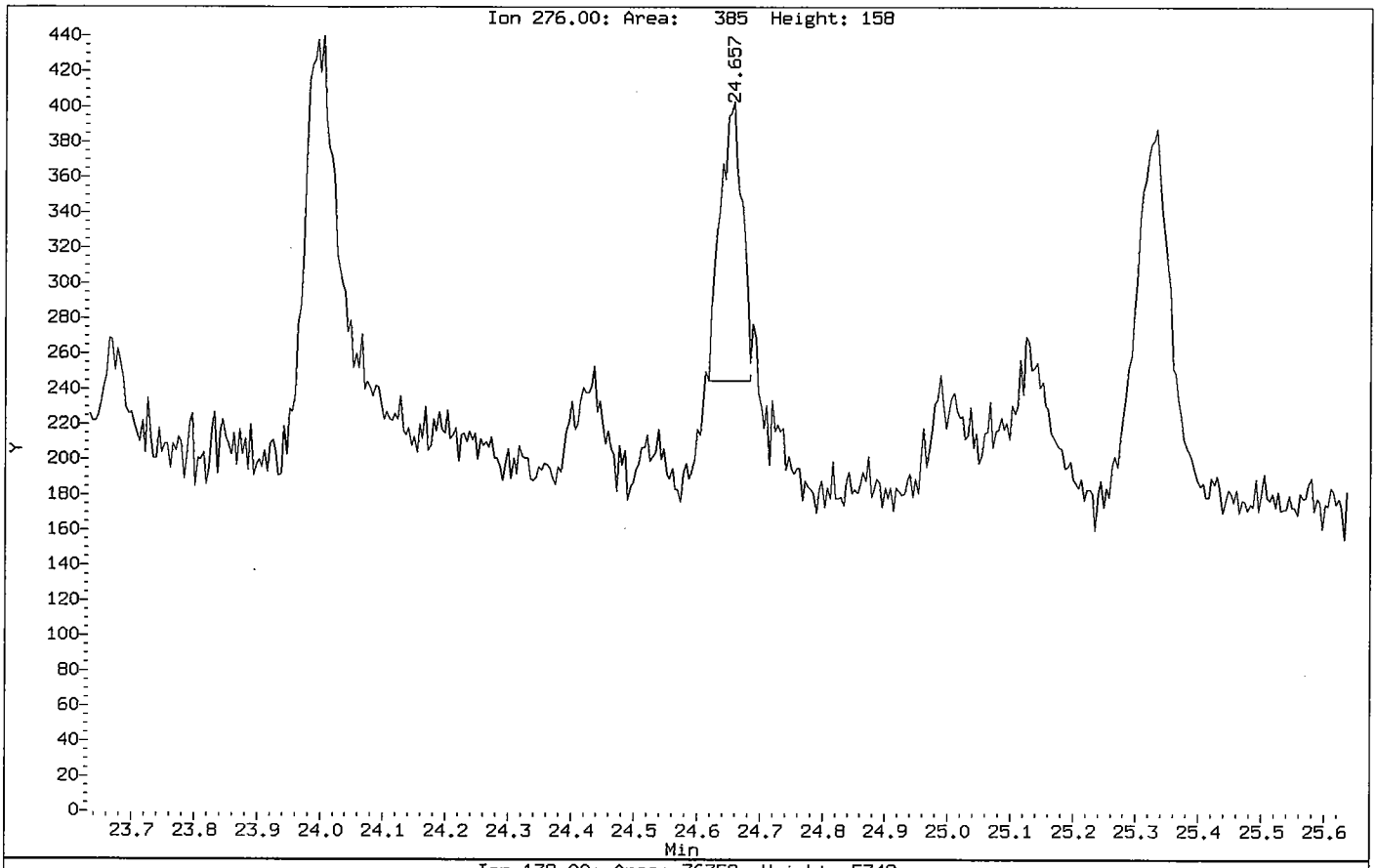
Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 857 Manually integrated

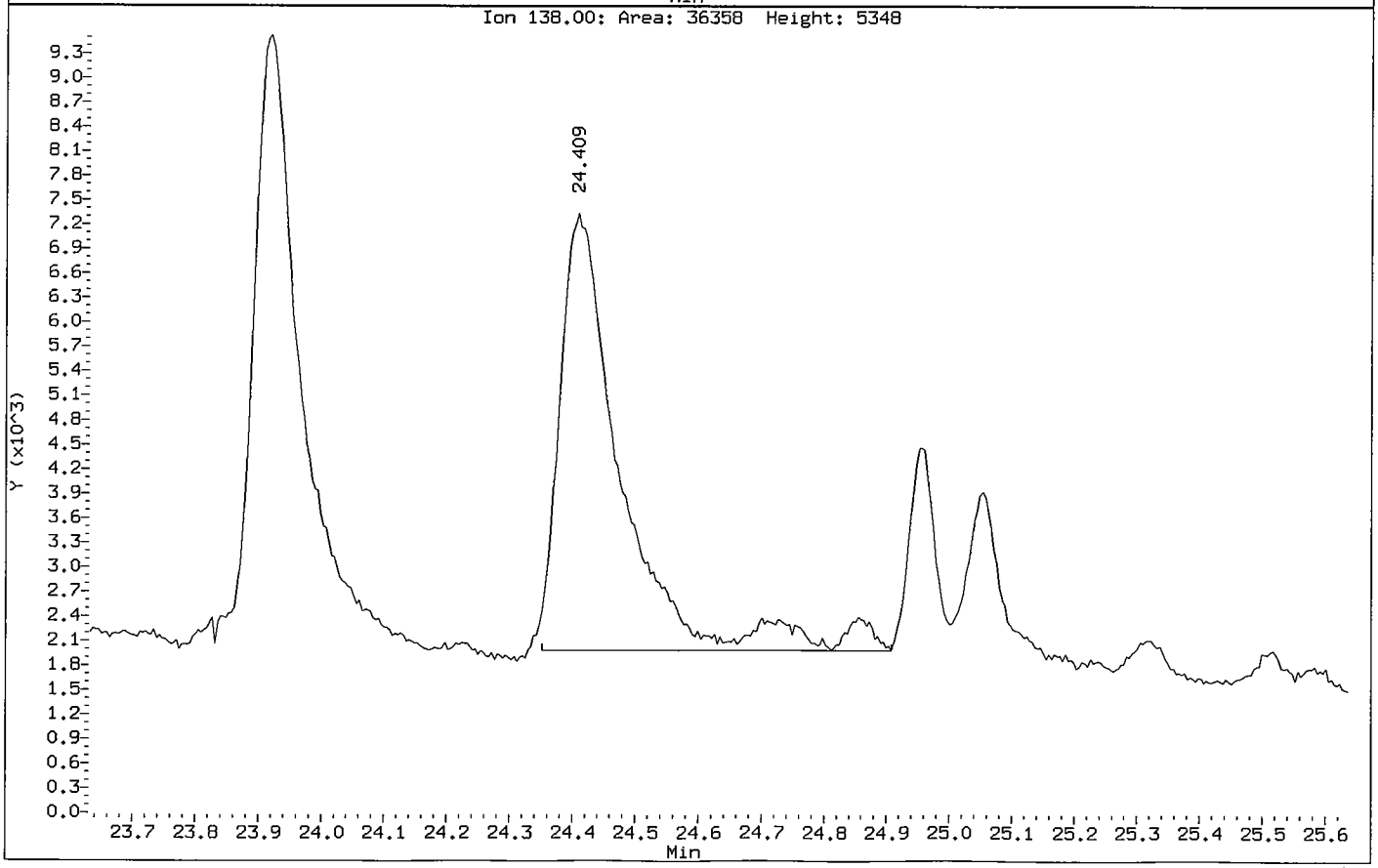


File name: /chem/5972hp70.i/DS100630B70.b/1005134-19RB70.d
Client ID: SS43-0-1
Instrument ID: 5972hp70.i
Injection Date and Time: 01-JUL-2010 06:11
Retention Time: 24.66
Operator ID: TD

Data File: /chem/5972hp70.i/DS100630B70.b/1005134-19RB70.d
Injection Date: 01-JUL-2010 06:11
Instrument: 5972hp70.i
Client Sample ID: SS43-0-1~~B~~ SA 07107110

Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





Data File: /chem/5972hp70.i/DS100630B70.b/1005134-19RB70.d

Date : 01-JUL-2010 06:11

Client ID: SS43-0-1RE SH 07107/10

Instrument: 5972hp70.i

Sample Info: 1005134-19:TD

Volume Injected (uL): 2.0

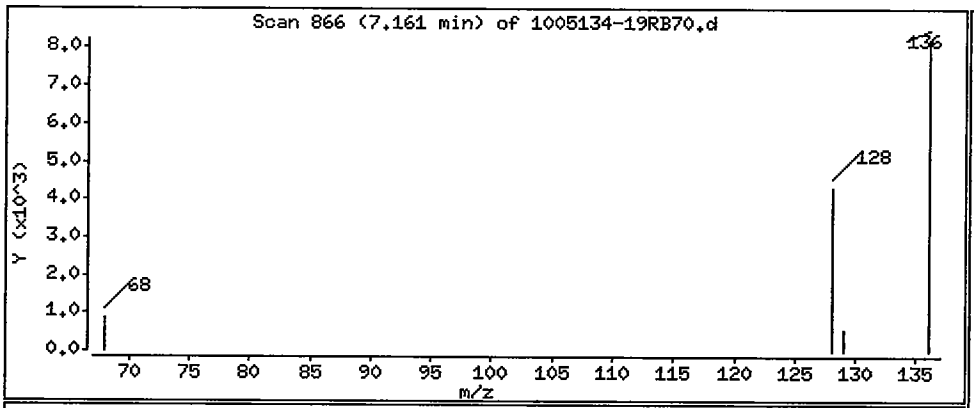
Operator: TD

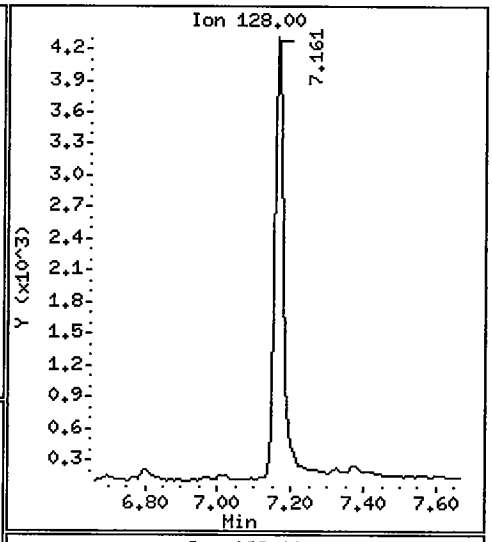
Column phase: Rtx-5MS

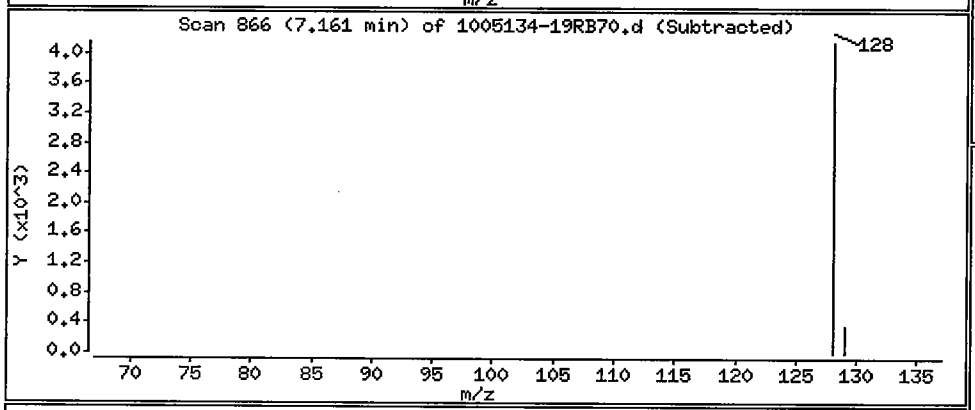
Column diameter: 0.32

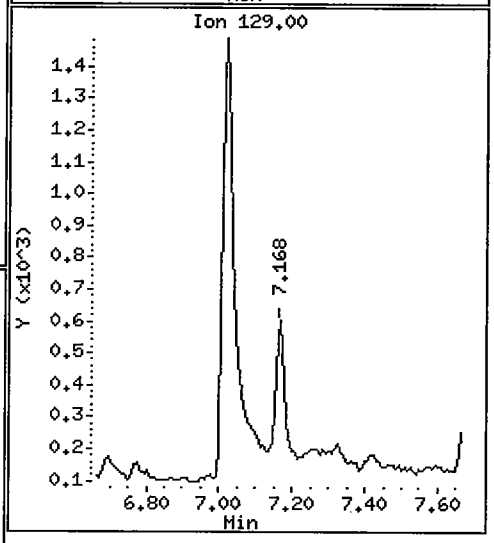
13 Naphthalene

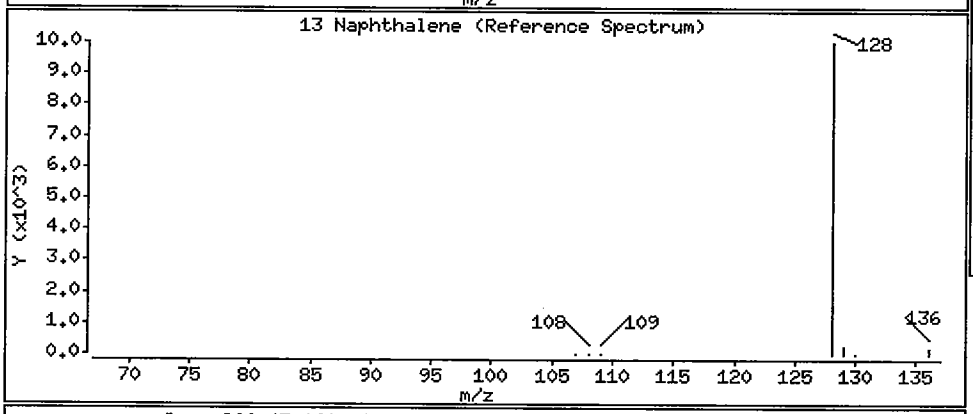
Concentration: 1.4 ug/Kg

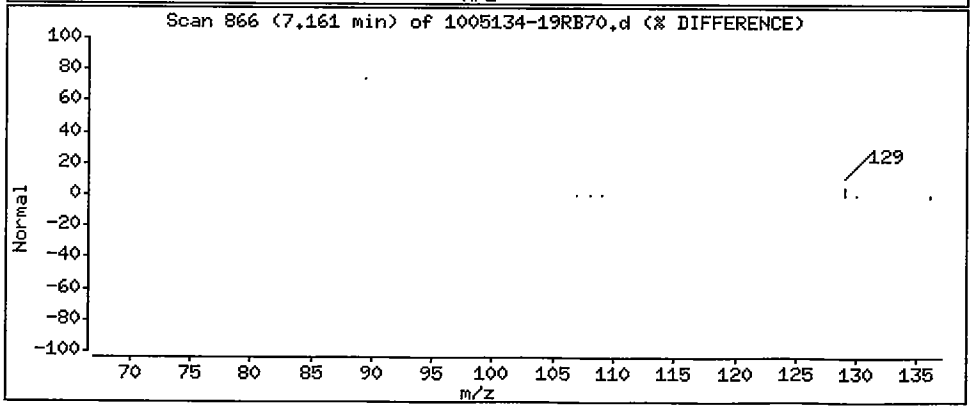












Data File: /chem/5972hp70.i/DS100630B70.b/1005134-19RB70.d

Date : 01-JUL-2010 06:11

Client ID: SS43-0-1RE SH 07/07/10

Instrument: 5972hp70.i

Sample Info: 1005134-19:TD

Volume Injected (uL): 2.0

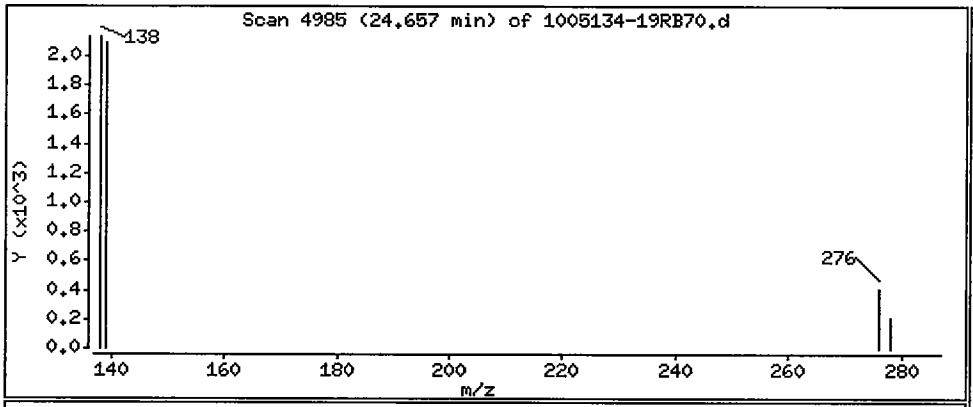
Operator: TD

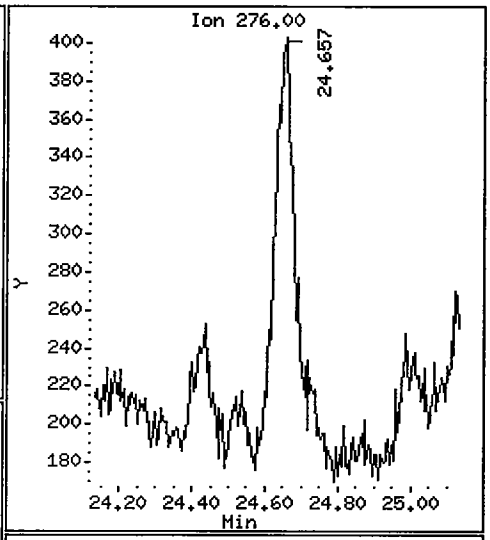
Column phase: Rtx-5MS

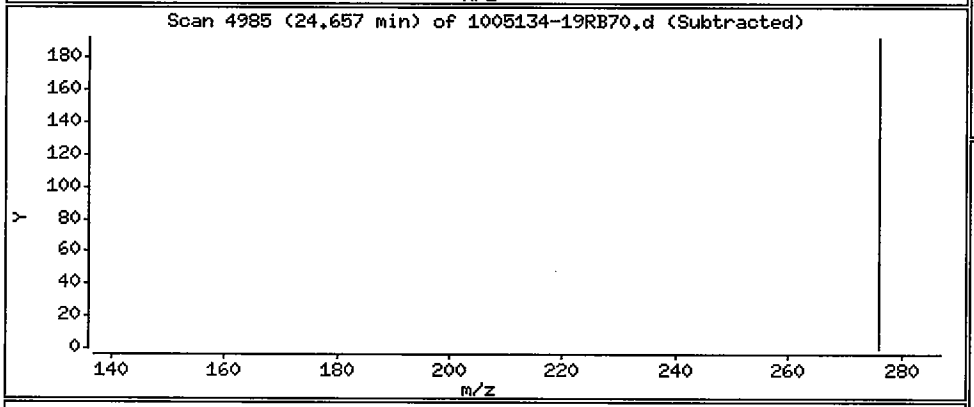
Column diameter: 0.32

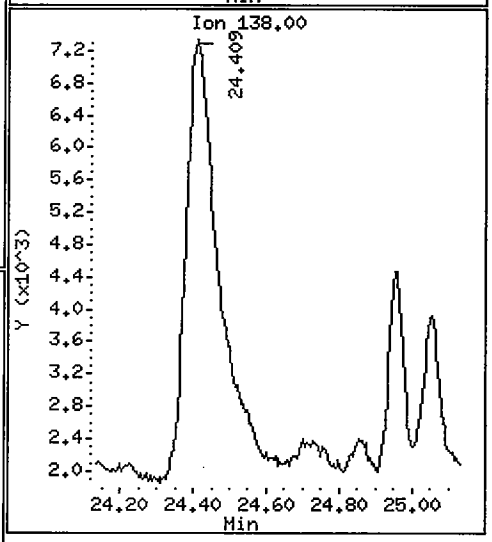
34 Indeno(1,2,3-cd)pyrene

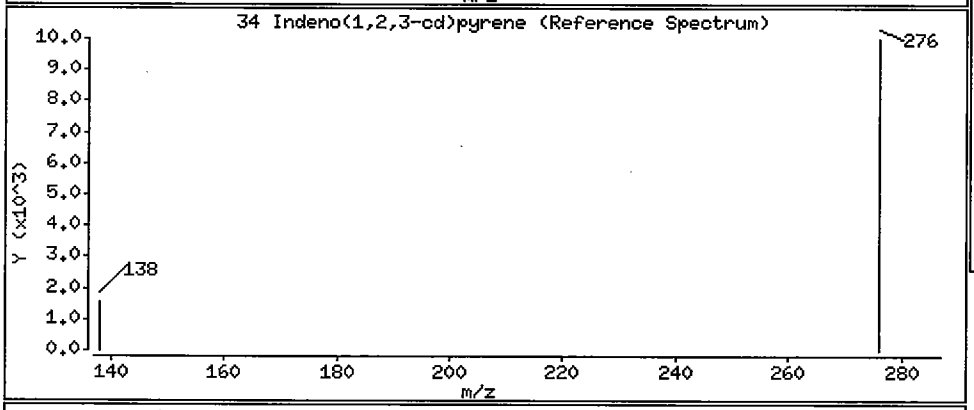
Concentration: 4.0 ug/Kg

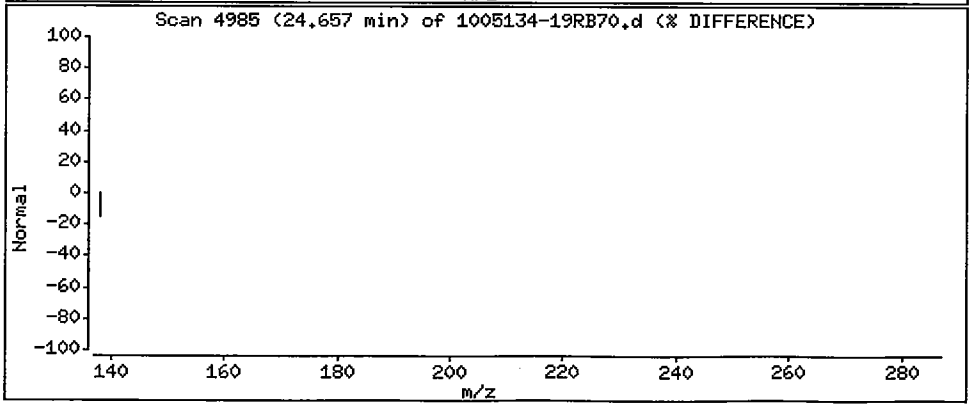












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SS44-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005134-17
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005134-17B70
Analyst: TD

% Moisture: 7 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK2

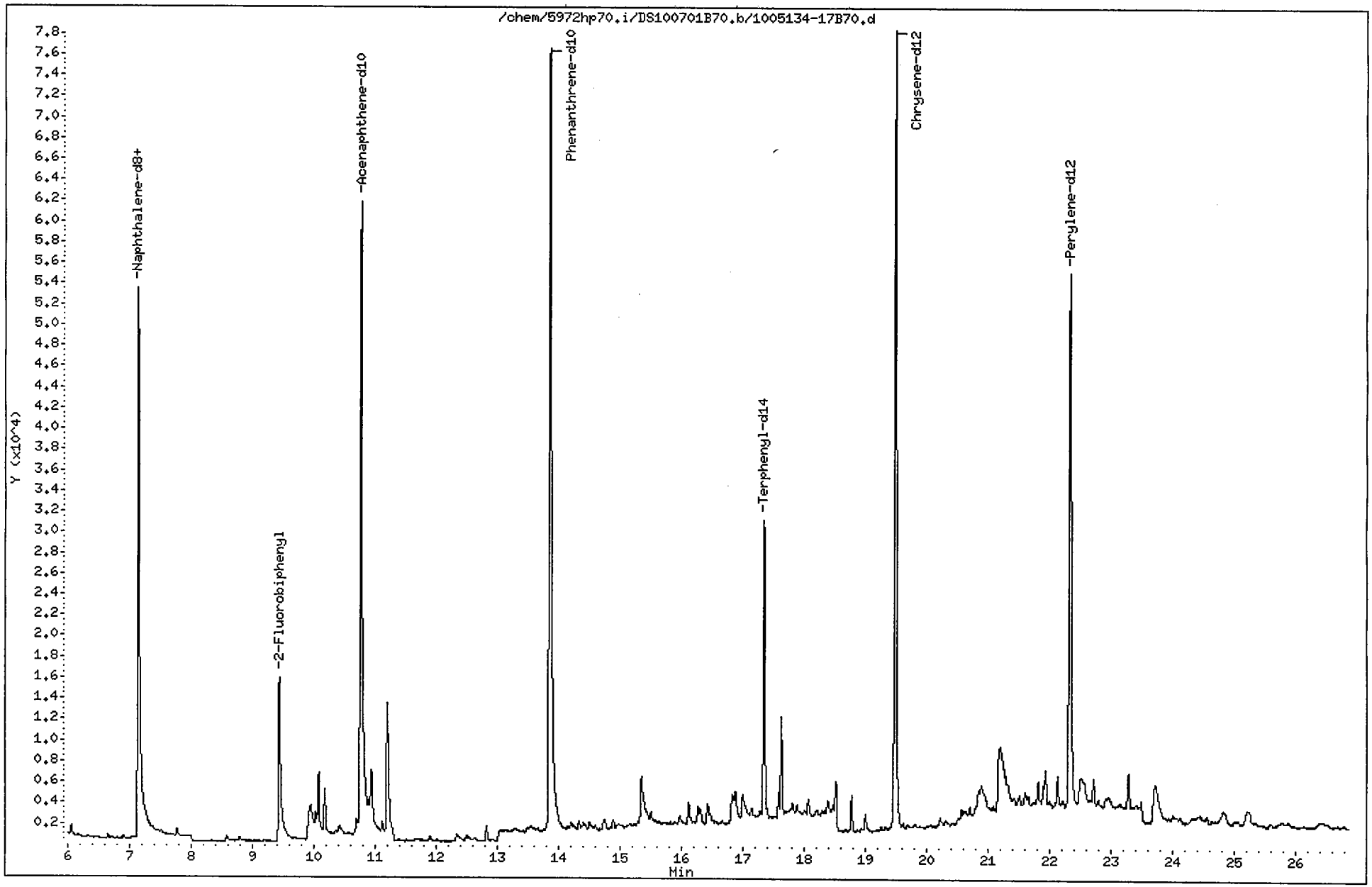
Date Extracted: 05/25/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.77	8.9	1.7	J
91-57-6	2-Methylnaphthalene	0.73	8.9	ND	U
208-96-8	Acenaphthylene	0.57	8.9	ND	U
83-32-9	Acenaphthene	0.65	8.9	ND	U
86-73-7	Fluorene	0.48	8.9	ND	U
85-01-8	Phenanthrene	1.4	8.9	ND	U
120-12-7	Anthracene	0.47	8.9	ND	U
206-44-0	Fluoranthene	1.4	8.9	ND	U
129-00-0	Pyrene	0.61	8.9	ND	U
56-55-3	Benzo(a)anthracene	0.61	8.9	ND	U
218-01-9	Chrysene	0.68	8.9	ND	U
205-99-2	Benzo(b)fluoranthene	0.61	8.9	ND	U
207-08-9	Benzo(k)fluoranthene	0.47	8.9	ND	U
50-32-8	Benzo(a)pyrene	0.41	8.9	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.39	8.9	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.36	8.9	ND	U
191-24-2	Benzo(g,h,i)perylene	0.41	8.9	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp70.i/DS100701B70.b/1005134-17B70.d
Date : 02-JUL-2010 03:10
Client ID: SS44-0-1
Sample Info: 1005134-17:TD
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: TD
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701B70.b/1005134-17B70.d
Report Date: 06-Jul-2010 16:23

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701B70.b/1005134-17B70.d
Lab Smp Id: 1005134-17 Client Smp ID: SS44-0-1
Inj Date : 02-JUL-2010 03:10
Operator : TD Inst ID: 5972hp70.i
Smp Info : 1005134-17:TD
Misc Info : SS44-0-1
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701B70.b/SIM_8270Cv3DOD.m
Meth Date : 06-Jul-2010 15:50 mead Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	7.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
* 1	1,4-Dichlorobenzene-d4	152	4.838	4.848	(1.000)	30265	2.00000	
* 2	Naphthalene-d8	136	7.139	7.162	(1.000)	117367	2.00000	
* 3	Acenaphthene-d10	164	10.769	10.784	(1.000)	69403	2.00000	
* 4	Phenanthrene-d10	188	13.859	13.872	(1.000)	154714	2.00000	
* 5	Chrysene-d12	240	19.488	19.499	(1.000)	119064	2.00000	
* 6	Perylene-d12	264	22.336	22.344	(1.000)	104086	2.00000	
$ 9	Nitrobenzene-d5	82	5.866	5.880	(0.822)	20872	0.54954	9.8
$ 10	2-Fluorobiphenyl	172	9.436	9.460	(0.876)	32020	0.66943	12
$ 12	Terphenyl-d14	244	17.345	17.362	(0.890)	38194	0.90119	16
13	Naphthalene	128	7.170	7.193	(1.004)	7208	0.09617	1.7(a)
15	2-Methylnaphthalene	141	Compound Not Detected.					
17	Acenaphthylene	152	Compound Not Detected.					
18	Acenaphthene	154	Compound Not Detected.					

pm 7/6/10

Data File: /chem/5972hp70.i/DS100701B70.b/1005134-17B70.d
Report Date: 06-Jul-2010 16:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /chem/5972hp70.i/DS100701B70.b/1005134-17B70.d

Date : 02-JUL-2010 03:10

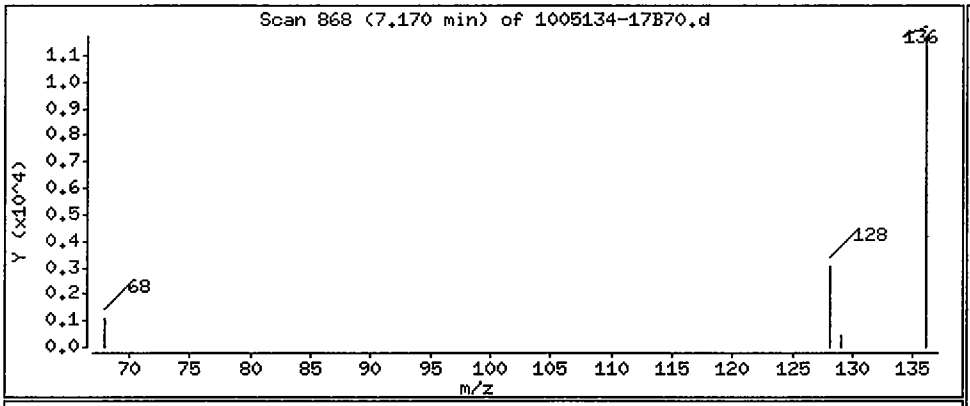
Client ID: SS44-0-1 Instrument: 5972hp70.i

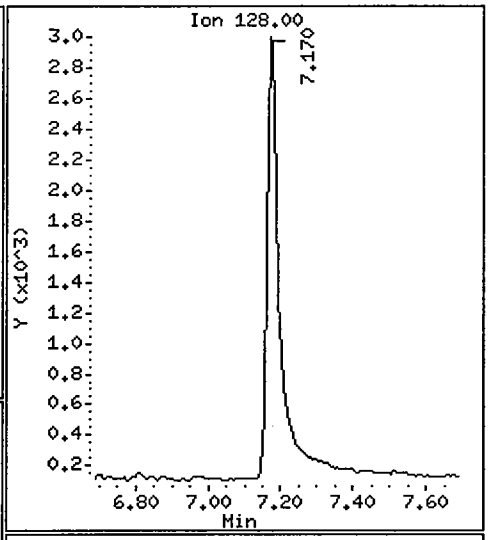
Sample Info: 1005134-17:TD

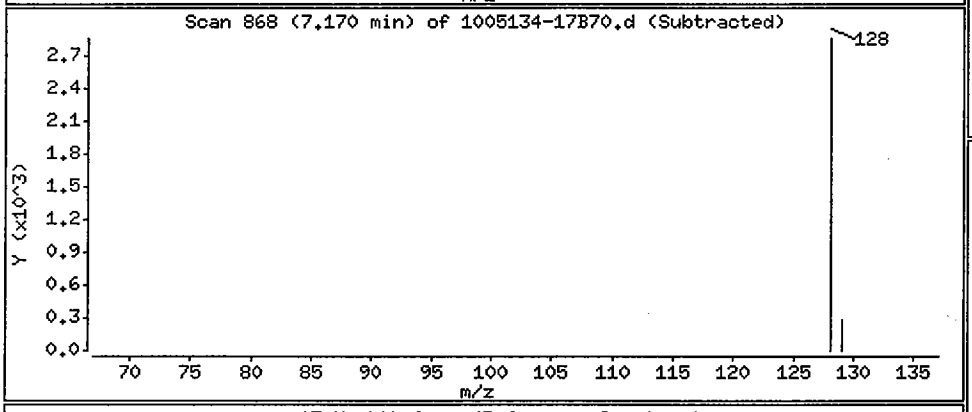
Volume Injected (uL): 2.0 Operator: TD

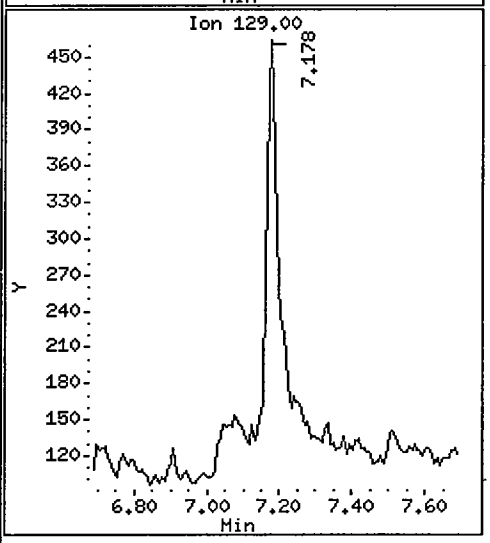
Column phase: Rtx-5MS Column diameter: 0.32

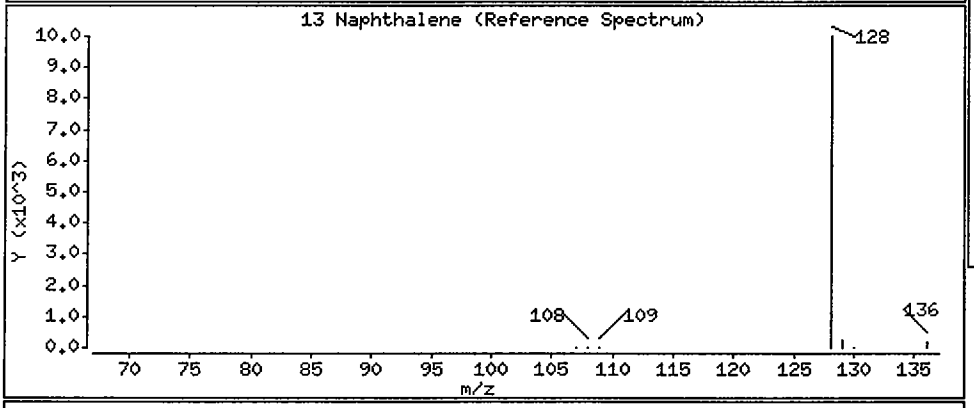
13 Naphthalene Concentration: 1.7 ug/Kg

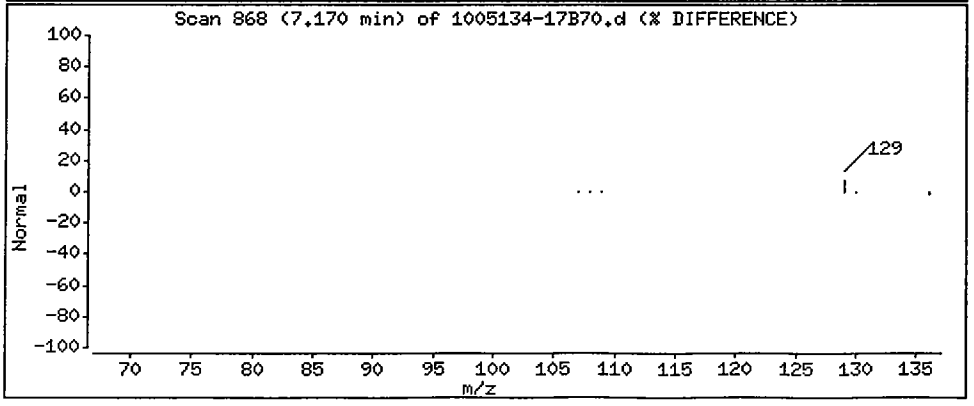












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SS44-0-1RE

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005134-17RE1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005134-17RB70
Analyst: TD

% Moisture: 7 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

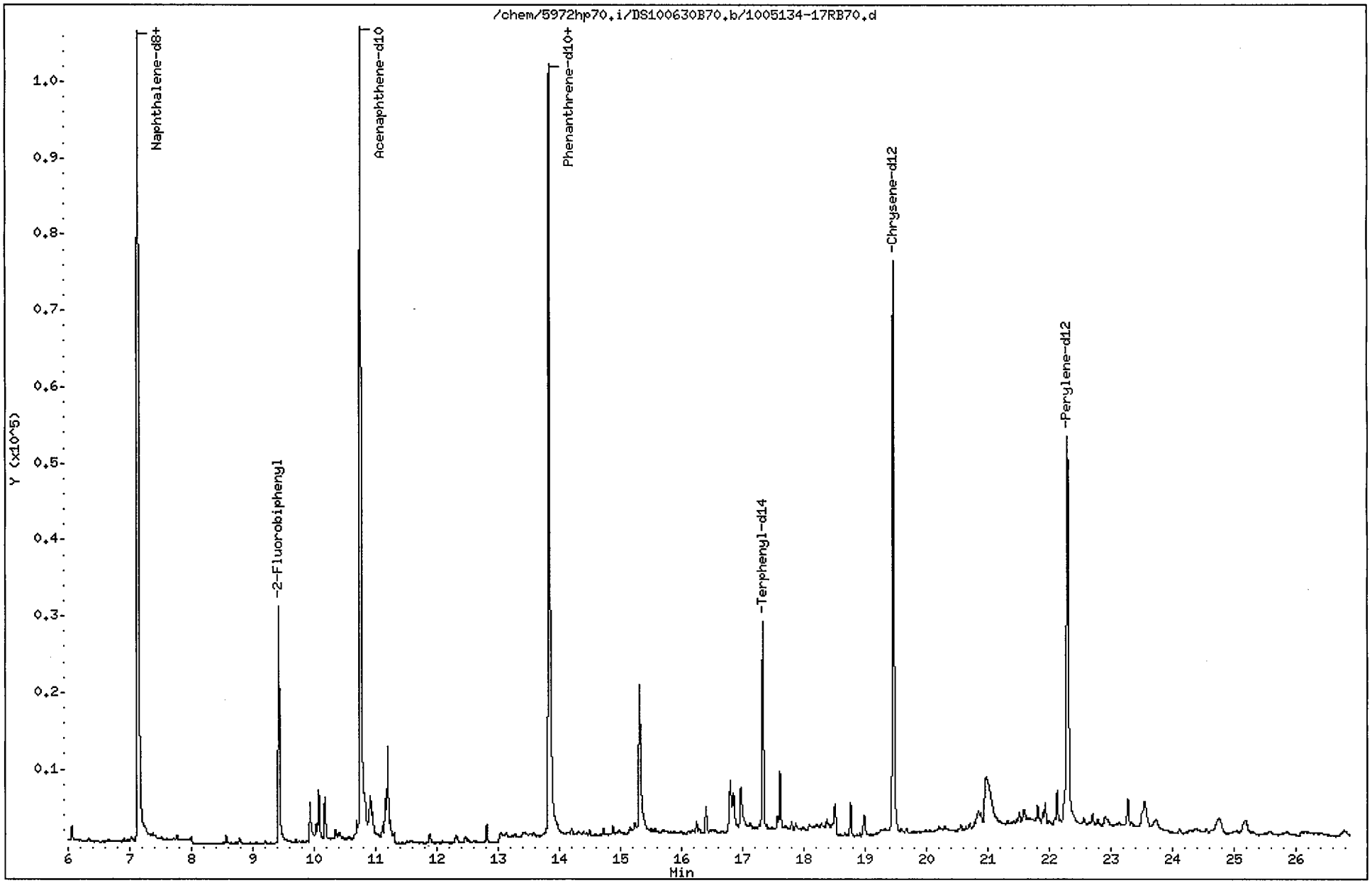
Date Extracted: 06/02/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.77	8.9	1.4	JB
91-57-6	2-Methylnaphthalene	0.73	8.9	ND	U
208-96-8	Acenaphthylene	0.57	8.9	ND	U
83-32-9	Acenaphthene	0.65	8.9	ND	U
86-73-7	Fluorene	0.48	8.9	ND	U
85-01-8	Phenanthrene	1.4	8.9	1.4	J
120-12-7	Anthracene	0.47	8.9	ND	U
206-44-0	Fluoranthene	1.4	8.9	ND	U
129-00-0	Pyrene	0.61	8.9	0.94	J
56-55-3	Benzo(a)anthracene	0.61	8.9	ND	U
218-01-9	Chrysene	0.68	8.9	ND	U
205-99-2	Benzo(b)fluoranthene	0.61	8.9	ND	U
207-08-9	Benzo(k)fluoranthene	0.47	8.9	ND	U
50-32-8	Benzo(a)pyrene	0.41	8.9	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.39	8.9	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.36	8.9	ND	U
191-24-2	Benzo(g,h,i)perylene	0.41	8.9	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp70.i/DS100630B70.b/1005134-17RB70.d
Date : 01-JUL-2010 05:35
Client ID: SS44-0-1RE
Sample Info: 1005134-17:TD
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: TD
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630B70.b/1005134-17RB70.d
Report Date: 02-Jul-2010 12:16

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630B70.b/1005134-17RB70.d
Lab Smp Id: 1005134-17 Client Smp ID: SS44-0-1RE
Inj Date : 01-JUL-2010 05:35
Operator : TD Inst ID: 5972hp70.i
Smp Info : 1005134-17:TD
Misc Info : SS44-0-1RE
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630B70.b/SIM_8270Cv3DOD.m
Meth Date : 02-Jul-2010 12:02 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	7.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	4.839	4.823	(1.000)	47360	2.00000	
* 2 Naphthalene-d8	136	7.137	7.130	(1.000)	164100	2.00000	
* 3 Acenaphthene-d10	164	10.756	10.757	(1.000)	90459	2.00000	
* 4 Phenanthrene-d10	188	13.833	13.831	(1.000)	152665	2.00000	
* 5 Chrysene-d12	240	19.458	19.458	(1.000)	110369	2.00000	
* 6 Perylene-d12	264	22.296	22.295	(1.000)	90712	2.00000	
$ 9 Nitrobenzene-d5	82	5.862	5.855	(0.821)	28330	0.53349	9.6
$ 10 2-Fluorobiphenyl	172	9.423	9.428	(0.876)	39115	0.62742	11
$ 12 Terphenyl-d14	244	17.326	17.331	(0.890)	34137	0.86892	16
13 Naphthalene	128	7.168	7.161	(1.004)	8375	0.07992	1.4(a)
15 2-Methylnaphthalene	141	Compound Not Detected.					
17 Acenaphthylene	152	Compound Not Detected.					
18 Acenaphthene	154	Compound Not Detected.					

pg/adw

Data File: /chem/5972hp70.i/DS100630B70.b/1005134-17RB70.d
Report Date: 02-Jul-2010 12:16

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	13.877	13.876	(1.003)	6646	0.07976	1.4(a)
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	16.854	16.854	(0.866)	4196	0.05261	0.94(a)
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /chem/5972hp70.i/DS100630B70.b/1005134-17RB70.d

Date : 01-JUL-2010 05:35

Client ID: SS44-0-1RE

Instrument: 5972hp70.i

Sample Info: 1005134-17:TD

Volume Injected (uL): 2.0

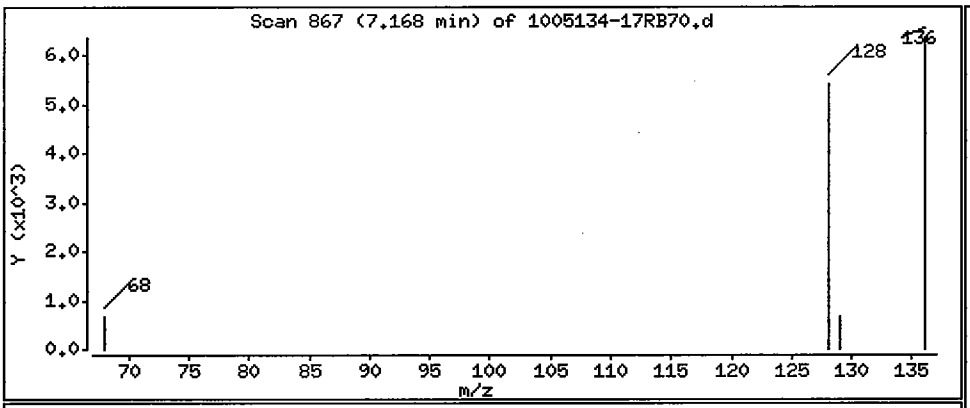
Operator: TD

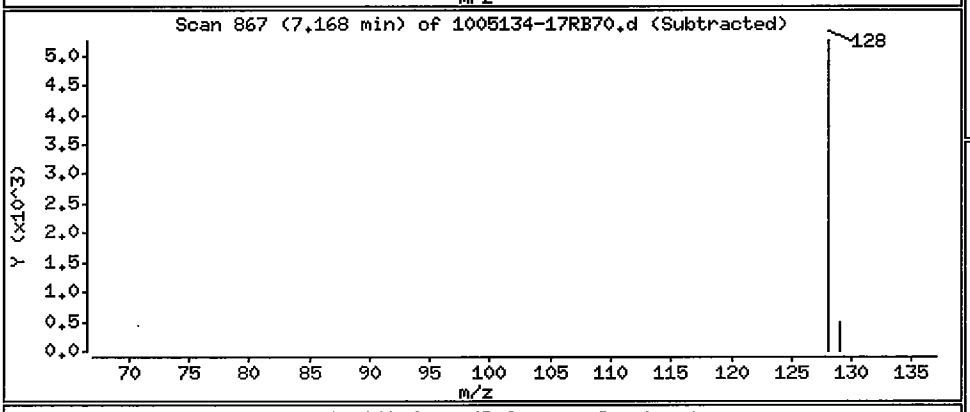
Column phase: Rtx-5MS

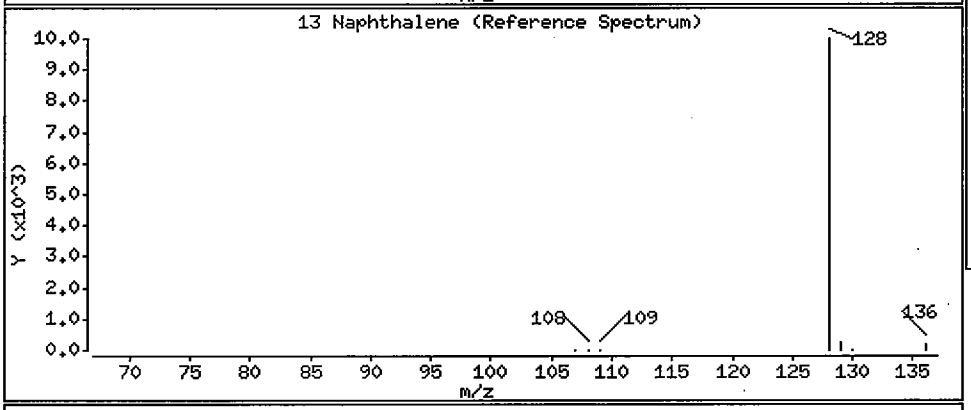
Column diameter: 0.32

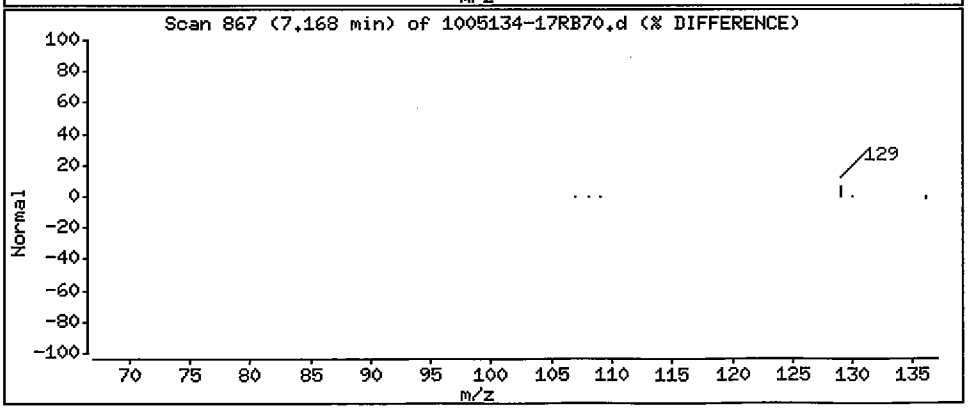
13 Naphthalene

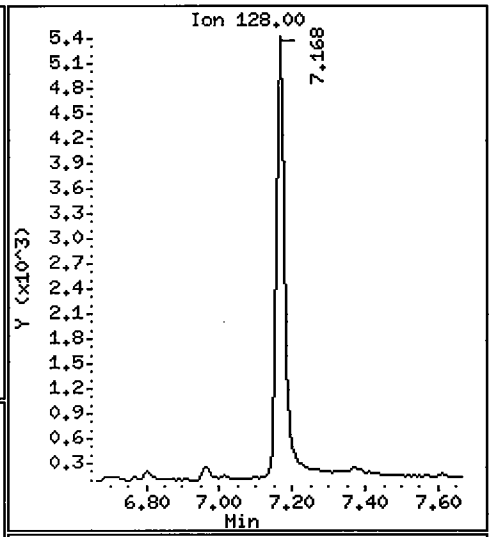
Concentration: 1.4 ug/Kg

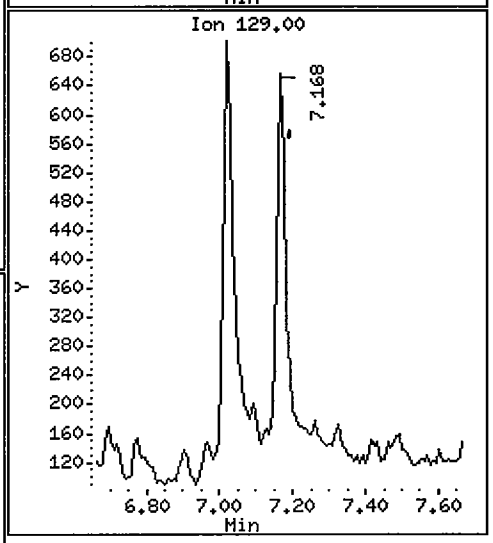












Data File: /chem/5972hp70.i/DS100630B70.b/1005134-17RB70.d

Date : 01-JUL-2010 05:35

Client ID: SS44-0-1RE

Instrument: 5972hp70.i

Sample Info: 1005134-17:TD

Volume Injected (uL): 2.0

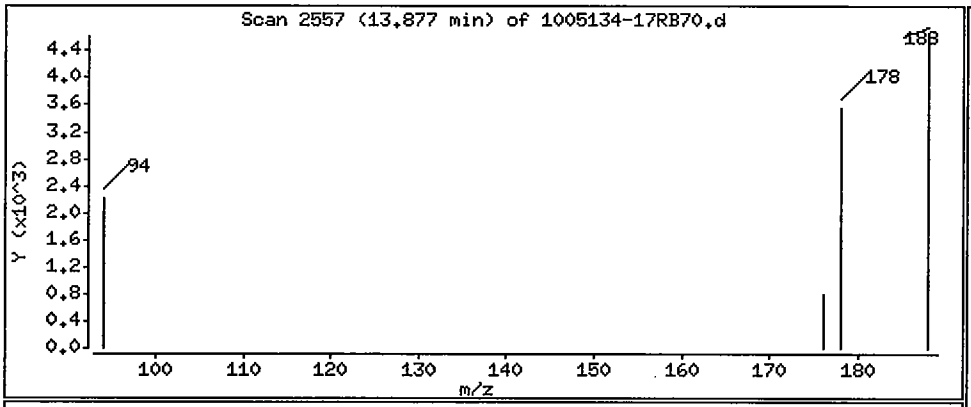
Operator: TD

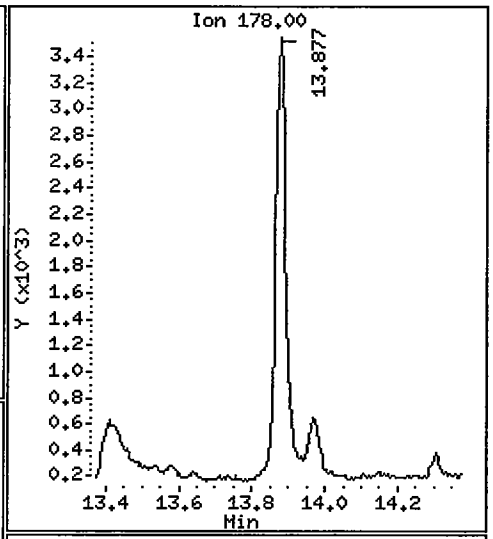
Column phase: Rtx-5MS

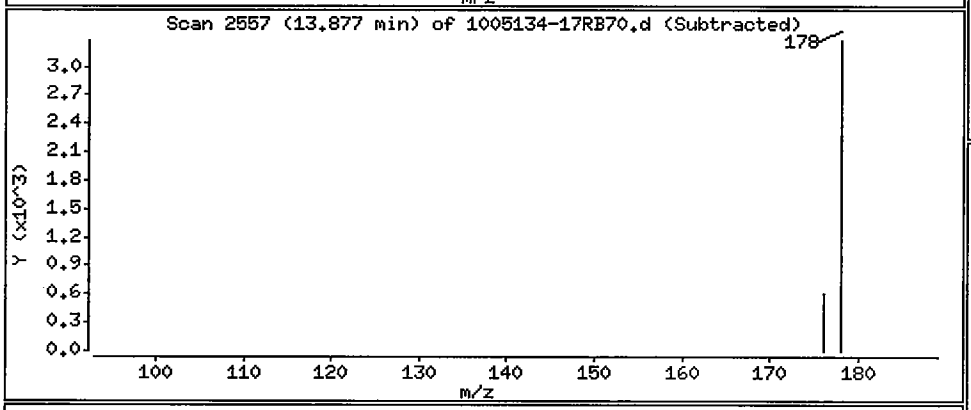
Column diameter: 0.32

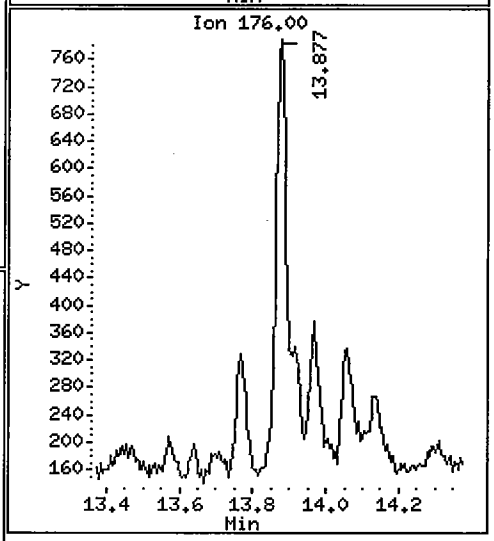
25 Phenanthrene

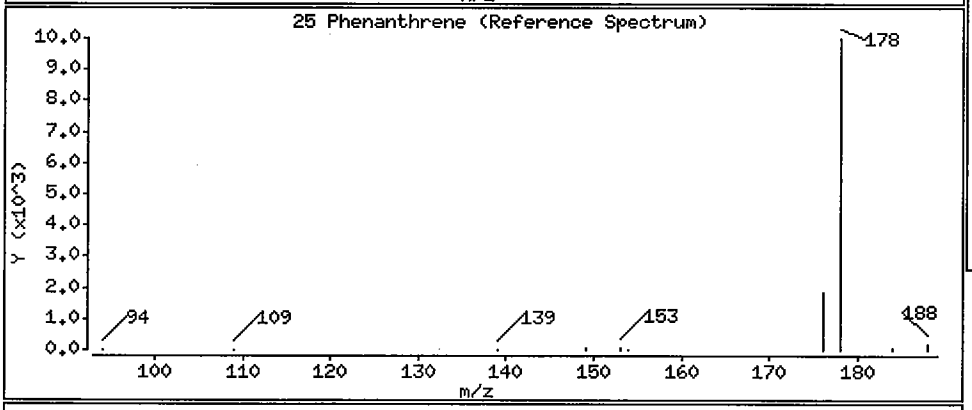
Concentration: 1.4 ug/Kg

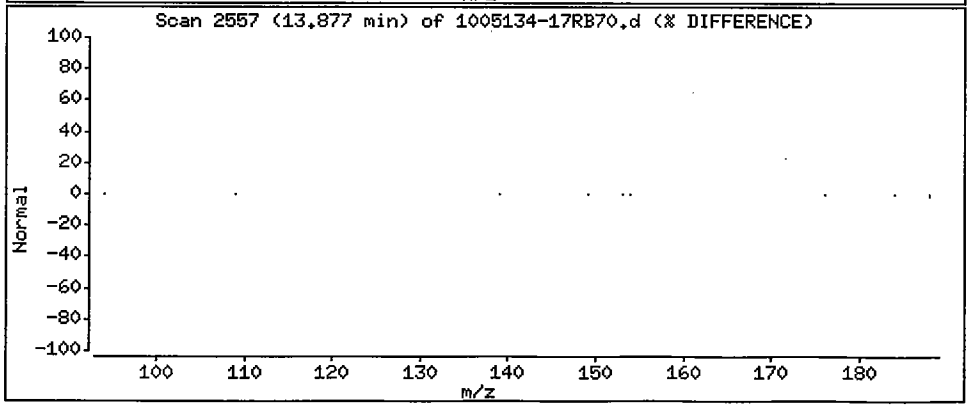












Data File: /chem/5972hp70.i/DS100630B70.b/1005134-17RB70.d

Date : 01-JUL-2010 05:35

Client ID: SS44-0-1RE

Instrument: 5972hp70.i

Sample Info: 1005134-17:TD

Volume Injected (uL): 2.0

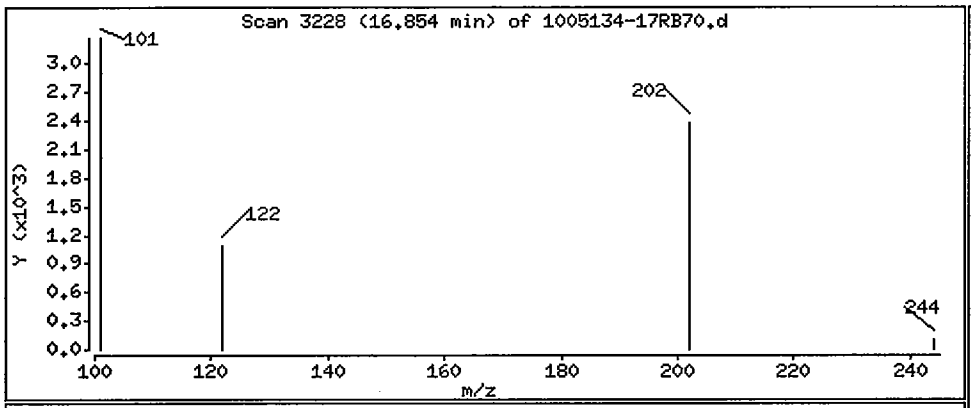
Operator: TD

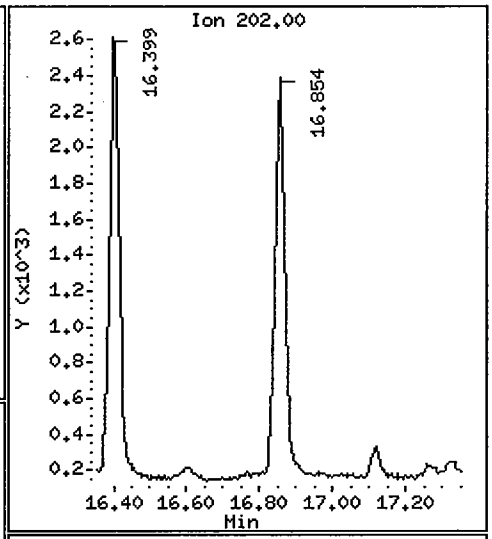
Column phase: Rtx-5MS

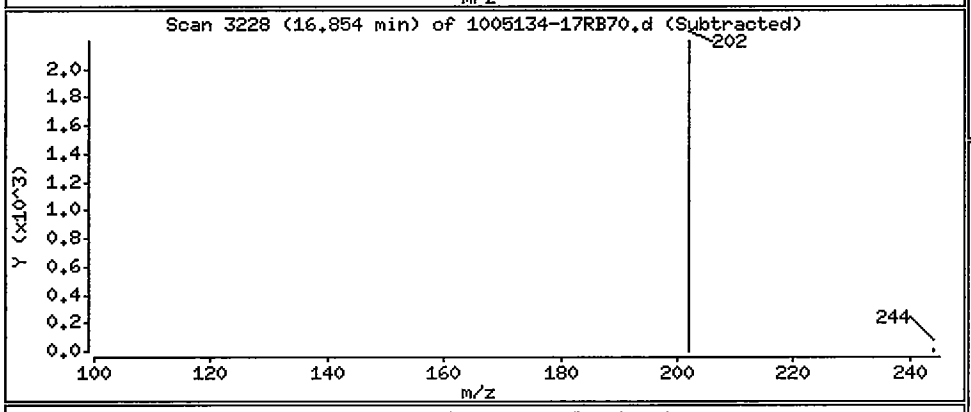
Column diameter: 0.32

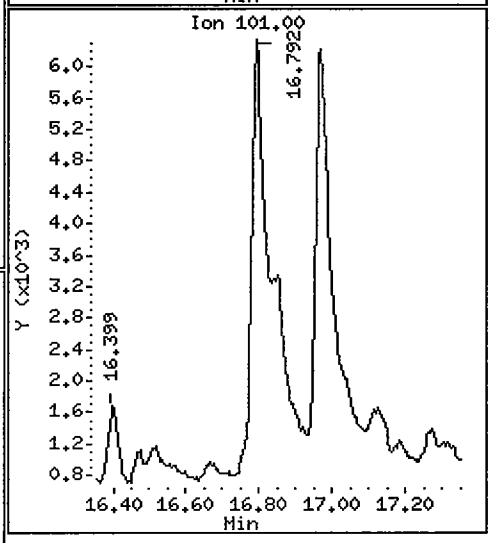
28 Pyrene

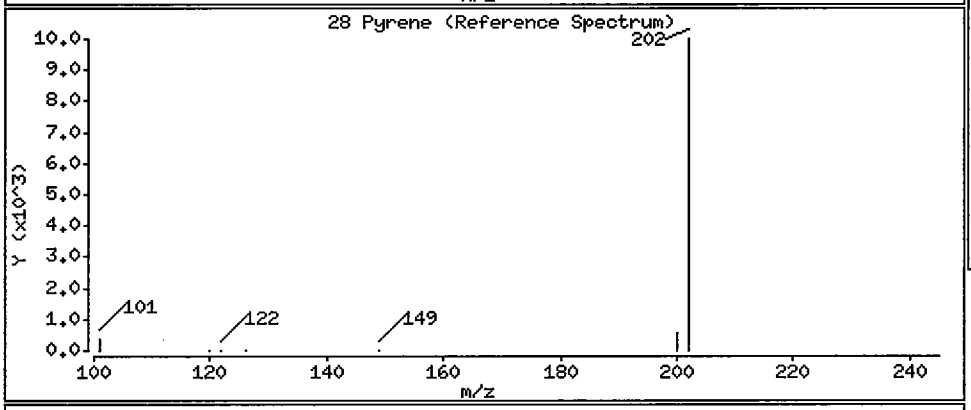
Concentration: 0.94 ug/Kg

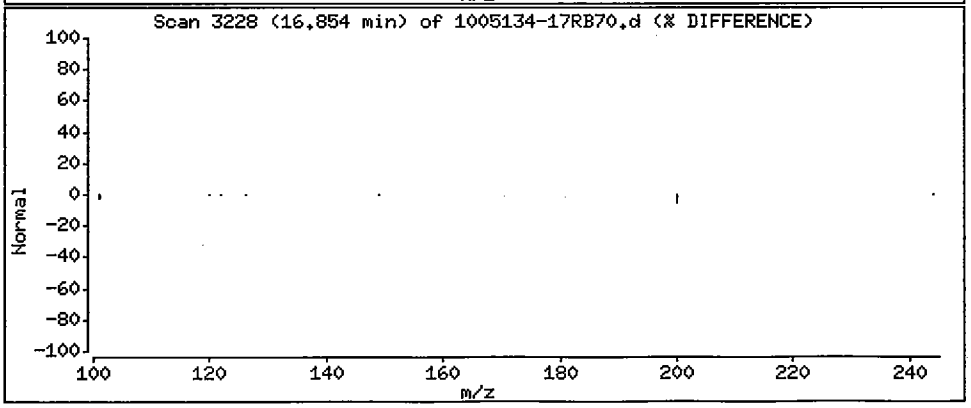












3. Standards Data

a. Initial Calibration Data (Form VI SV)

b. Continuing Calibration Data (Form VII SV)

a. Initial Calibration Data (Form VI SV)

If more than one instrument is used, forms shall be arranged in order by instrument. Multiple initial calibrations from the same instrument shall be in chronological order. Within each initial calibration, the standards are in order by level, from lowest to highest.

(1) Chromatograms and quantitation reports for the initial (five-point) calibration.
Spectra not required.

(2) EICPs displaying each manual integration.

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: 5972HP66 Calibration Date(s): 05/25/10 05/25/10

Column: RTX-5MS ID: 0.32 (mm) Calibration Time(s): 0601 0816

LAB FILE ID: RF0.4: 0E25001-CALRF1.2: 0E25001-CALRF3: 0E25001-CAL3C
RF5: 0E25001-CAL4CRF10: 0E25001-CAL5

COMPOUND	RF0.4	RF1.2	RF3	RF5	RF10
Naphthalene	1.336	1.232	1.203	1.227	1.187
2-Methylnaphthalene	1.514	1.368	1.333	1.434	1.510
Acenaphthylene	2.329	2.103	2.170	2.345	2.222
Acenaphthene	1.345	1.283	1.276	1.362	1.278
Fluorene	0.920	0.852	0.902	0.929	1.076
Phenanthrene	1.257	1.224	1.234	1.266	1.254
Anthracene	1.113	1.079	1.108	1.166	1.143
Fluoranthene	1.259	1.240	1.322	1.342	1.468
Pyrene	1.382	1.385	1.435	1.451	1.568
Benzo(a)anthracene	1.047	1.069	1.114	1.124	1.082
Chrysene	1.184	1.172	1.171	1.195	1.165
Benzo(b)fluoranthene	1.264	1.307	1.309	1.344	1.370
Benzo(k)fluoranthene	1.426	1.364	1.448	1.422	1.437
Benzo(a)pyrene	1.103	1.133	1.223	1.243	1.242
Indeno(1,2,3-cd)pyrene	0.982	1.023	1.058	1.106	1.074
Dibenzo(a,h)anthracene	0.975	1.031	1.043	1.076	1.062
Benzo(g,h,i)perylene	1.145	1.149	1.170	1.165	1.183
Nitrobenzene-d5	0.425	0.446	0.430	0.469	0.455
2-Fluorobiphenyl	1.885	2.209	2.161	1.791	2.388
Terphenyl-d14	0.709	0.705	0.741	0.724	0.755

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: 5972HP66 Calibration Date(s): 05/25/10 05/25/10

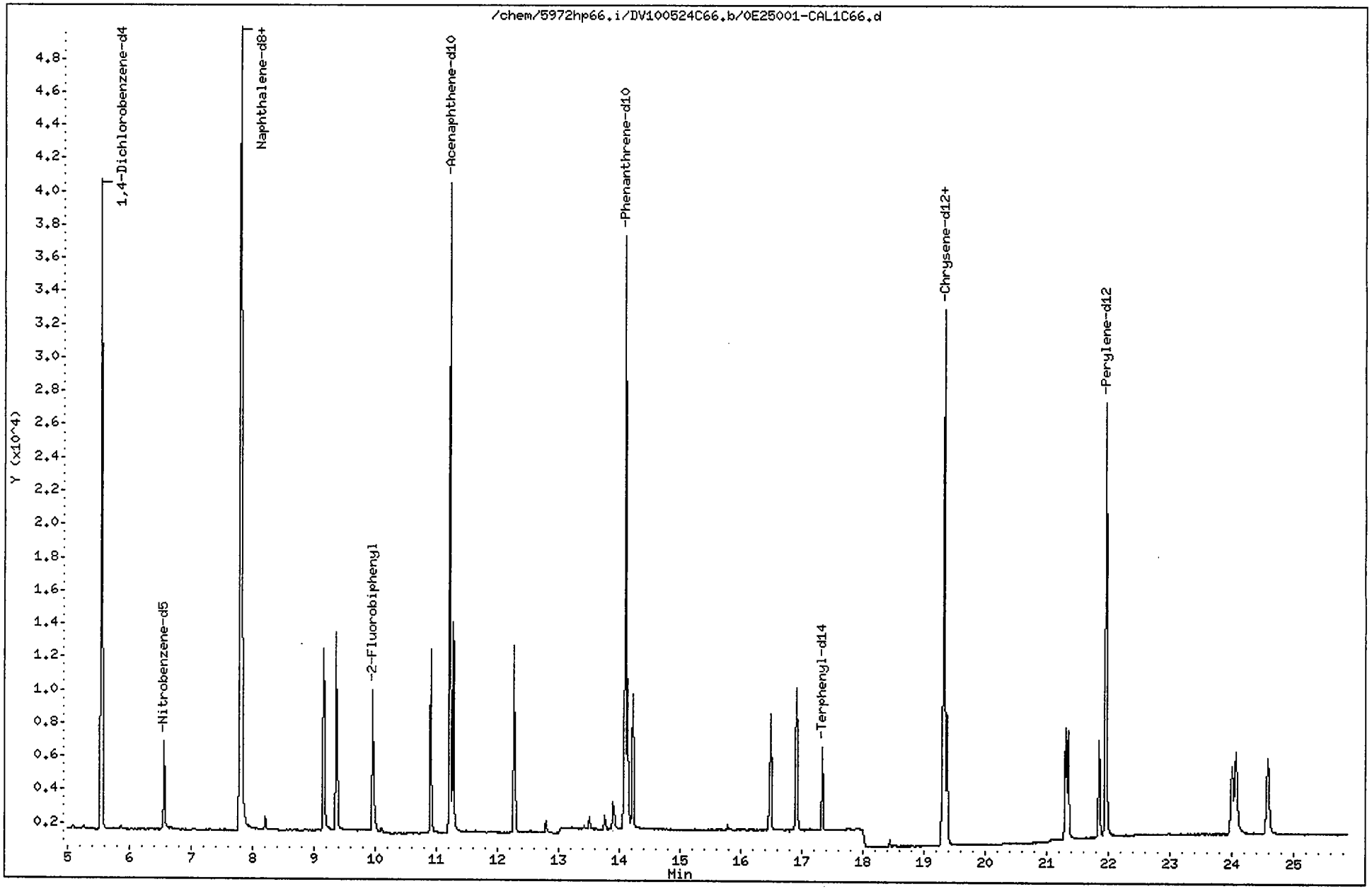
Column: RTX-5MS ID: 0.32 (mm) Calibration Time(s): 0601 0816

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2
Naphthalene	AVRG	1.23709039	4.686	15.000
2-Methylnaphthalene	AVRG	1.43192718	5.709	15.000
Acenaphthylene	AVRG	2.23404611	4.628	15.000
Acenaphthene	AVRG	1.30892901	3.163	30.000
Fluorene	AVRG	0.93602321	8.970	15.000
Phenanthrene	AVRG	1.24712484	1.393	15.000
Anthracene	AVRG	1.12176747	3.022	15.000
Fluoranthene	AVRG	1.32618091	6.795	30.000
Pyrene	AVRG	1.44424098	5.249	15.000
Benzo(a)anthracene	AVRG	1.08720605	2.923	15.000
Chrysene	AVRG	1.17758875	1.029	15.000
Benzo(b)fluoranthene	AVRG	1.31897490	3.040	15.000
Benzo(k)fluoranthene	AVRG	1.41939457	2.307	15.000
Benzo(a)pyrene	AVRG	1.18861343	5.540	30.000
Indeno(1,2,3-cd)pyrene	AVRG	1.04861310	4.548	15.000
Dibenzo(a,h)anthracene	AVRG	1.03728761	3.747	15.000
Benzo(g,h,i)perylene	AVRG	1.16224716	1.330	15.000
Nitrobenzene-d5	AVRG	0.44503818	4.056	15.000
2-Fluorobiphenyl	AVRG	2.08703947	11.716	15.000
Terphenyl-d14	AVRG	0.72668507	2.913	15.000

FORM VI SV

Data File: /chem/5972hp66.i/DV100524C66.b/0E25001-CAL1C66.d
Date : 25-MAY-2010 07:09
Client ID: SSTD0.40Y2
Sample Info: SSTD0.40Y2:2743
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: 2743
Column diameter: 0.32



Data File: /chem/5972hp66.i/DV100524C66.b/0E25001-CAL1C66.d
Report Date: 25-May-2010 09:02

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DV100524C66.b/0E25001-CAL1C66.d
Lab Smp Id: 0E25001-CAL1 Client Smp ID: SSTD0.40Y2
Inj Date : 25-MAY-2010 07:09
Operator : 2743 Inst ID: 5972hp66.i
Smp Info : SSTD0.40Y2:2743
Misc Info : SSTD0.40Y2
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DV100524C66.b/SIM_8270Cv2DOD.m
Meth Date : 25-May-2010 08:59 perry Quant Type: ISTD
Cal Date : 25-MAY-2010 07:09 Cal File: 0E25001-CAL1C66.d
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

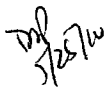
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	5.544	5.547	(1.000)	21673	2.00000	
* 2 Naphthalene-d8	136	7.799	7.802	(1.000)	68713	2.00000	
* 3 Acenaphthene-d10	164	11.217	11.218	(1.000)	28135	2.00000	
* 4 Phenanthrene-d10	188	14.088	14.087	(1.000)	47752	2.00000	
* 5 Chrysene-d12	240	19.318	19.319	(1.000)	42145	2.00000	
* 6 Perylene-d12	264	21.950	21.949	(1.000)	36854	2.00000	
$ 9 Nitrobenzene-d5	82	6.561	6.563	(0.841)	5841	0.40000	0.40
$ 10 2-Fluorobiphenyl	172	9.963	9.952	(0.888)	10609	0.40000	0.37
$ 12 Terphenyl-d14	244	17.334	17.333	(0.897)	5977	0.40000	0.39
13 Naphthalene	128	7.825	7.828	(1.003)	18354	0.40000	0.42
15 2-Methylnaphthalene	141	9.155	9.157	(0.816)	8519	0.40000	0.43
17 Acenaphthylene	152	10.904	10.905	(0.972)	13107	0.40000	0.41
18 Acenaphthene	154	11.269	11.270	(1.005)	7568	0.40000	0.41
21 Fluorene	166	12.273	12.274	(0.871)	8792	0.40000	0.40
25 Phenanthrene	178	14.127	14.126	(1.003)	12002	0.40000	0.40

TMP 5/25/10

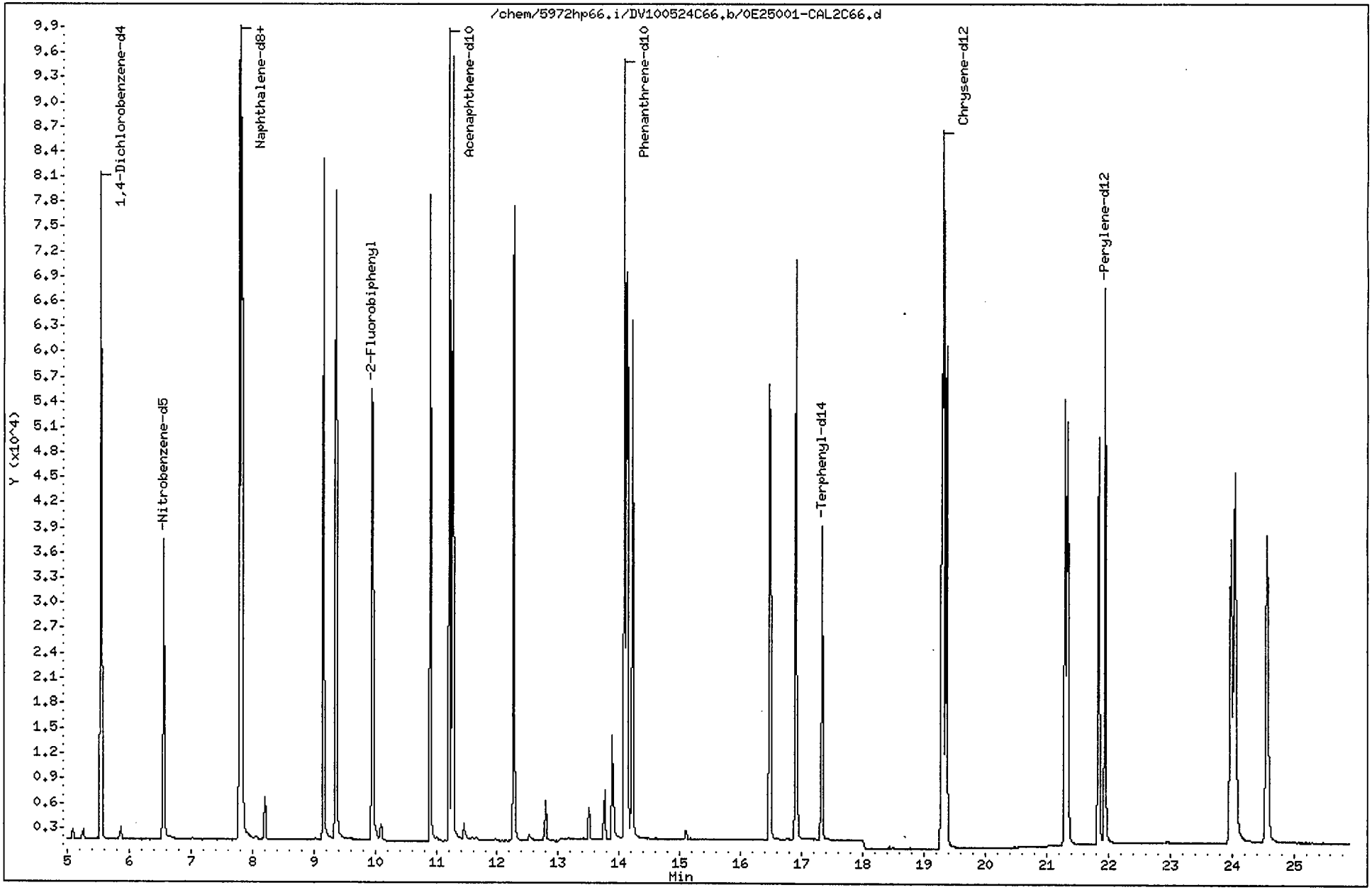
Data File: /chem/5972hp66.i/DV100524C66.b/0E25001-CAL1C66.d
Report Date: 25-May-2010 09:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	14.218	14.217	(1.009)	10627	0.40000	0.40
27 Fluoranthene	202	16.487	16.486	(0.853)	10612	0.40000	0.39
28 Pyrene	202	16.904	16.903	(0.875)	11647	0.40000	0.39
29 Benzo(a)anthracene	228	19.292	19.293	(0.999)	8829	0.40000	0.39
30 Chrysene	228	19.370	19.371	(1.003)	9984	0.40000	0.40
31 Benzo(b)fluoranthene	252	21.297	21.296	(0.970)	9319	0.40000	0.39
32 Benzo(k)fluoranthene	252	21.340	21.339	(0.972)	10515	0.40000	0.40
33 Benzo(a)pyrene	252	21.841	21.840	(0.995)	8130	0.40000	0.38
34 Indeno(1,2,3-cd)pyrene	276	23.996	23.995	(1.093)	7238	0.40000	0.39
35 Dibenzo(a,h)anthracene	278	24.061	24.061	(1.096)	7186	0.40000	0.39
36 Benzo(g,h,i)perylene	276	24.573	24.572	(1.119)	8441	0.40000	0.40



Data File: /chem/5972hp66.i/DV100524C66.b/0E25001-CAL2C66.d
Date : 25-MAY-2010 08:16
Client ID: SSTD1.20Y2
Sample Info: SSTD1.20Y2:2743
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: 2743
Column diameter: 0.32



Data File: /chem/5972hp66.i/DV100524C66.b/0E25001-CAL2C66.d
Report Date: 25-May-2010 09:02

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Data file : /chem/5972hp66.i/DV100524C66.b/0E25001-CAL2C66.d
Lab Smp Id: 0E25001-CAL2 Client Smp ID: SSTD1.20Y2
Inj Date : 25-MAY-2010 08:16
Operator : 2743 Inst ID: 5972hp66.i
Smp Info : SSTD1.20Y2:2743
Misc Info : SSTD1.20Y2
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DV100524C66.b/SIM_8270Cv2DOD.m
Meth Date : 25-May-2010 08:59 perry Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

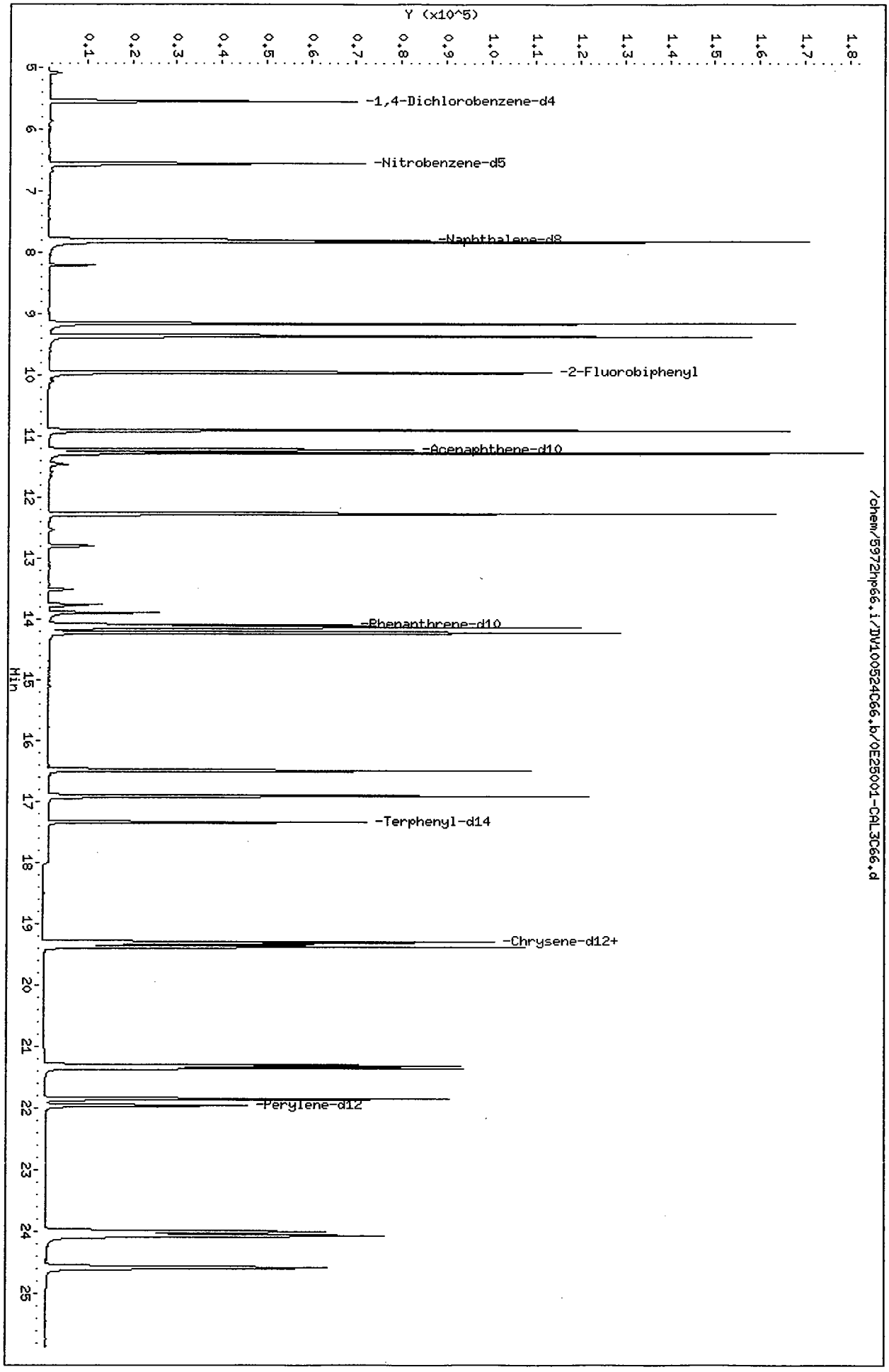
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	5.544	5.547	(1.000)	42756	2.00000	
*	2 Naphthalene-d8	136	7.799	7.802	(1.000)	151009	2.00000	
*	3 Acenaphthene-d10	164	11.217	11.218	(1.000)	69374	2.00000	
*	4 Phenanthrene-d10	188	14.088	14.087	(1.000)	121694	2.00000	
*	5 Chrysene-d12	240	19.318	19.319	(1.000)	108693	2.00000	
*	6 Perylene-d12	264	21.950	21.949	(1.000)	94345	2.00000	
$	9 Nitrobenzene-d5	82	6.561	6.563	(0.841)	40366	1.20000	1.2
$	10 2-Fluorobiphenyl	172	9.963	9.952	(0.888)	91960	1.20000	1.3
$	12 Terphenyl-d14	244	17.334	17.333	(0.897)	45962	1.20000	1.2
	13 Naphthalene	128	7.825	7.828	(1.003)	111671	1.20000	1.2
	15 2-Methylnaphthalene	141	9.155	9.157	(0.816)	56927	1.20000	1.1
	17 Acenaphthylene	152	10.904	10.905	(0.972)	87547	1.20000	1.1
	18 Acenaphthene	154	11.269	11.270	(1.005)	53389	1.20000	1.2
	21 Fluorene	166	12.273	12.274	(0.871)	62225	1.20000	1.1
	25 Phenanthrene	178	14.127	14.126	(1.003)	89360	1.20000	1.2

TMP 5/25/10

Data File: /chem/5972hp66.i/DV100524C66.b/0E25001-CAL2C66.d
Report Date: 25-May-2010 09:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	14.218	14.217	(1.009)	78760	1.20000	1.2
27 Fluoranthene	202	16.486	16.486	(0.853)	80846	1.20000	1.1
28 Pyrene	202	16.904	16.903	(0.875)	90310	1.20000	1.2
29 Benzo(a)anthracene	228	19.291	19.293	(0.999)	69695	1.20000	1.2
30 Chrysene	228	19.370	19.371	(1.003)	76404	1.20000	1.2
31 Benzo(b)fluoranthene	252	21.296	21.296	(0.970)	74012	1.20000	1.2
32 Benzo(k)fluoranthene	252	21.340	21.339	(0.972)	77185	1.20000	1.2
33 Benzo(a)pyrene	252	21.841	21.840	(0.995)	64130	1.20000	1.1
34 Indeno(1,2,3-cd)pyrene	276	23.996	23.995	(1.093)	57928	1.20000	1.2
35 Dibenzo(a,h)anthracene	278	24.050	24.061	(1.096)	58355	1.20000	1.2
36 Benzo(g,h,i)perylene	276	24.573	24.572	(1.119)	65035	1.20000	1.2

TNR 5/25/10


Data File: /chem/5972hp66.i/DV100524C66.b/0E25001-CAL3C66.d
Date : 25-MAY-2010 06:01
Client ID: SSTD3,00Y2
Sample Info: SSTD3,00Y2,2743
Volume Injected (uL): 2.0
Column phase: Rtx-5MS
Instrument: 5972hp66.i
Operator: 2743
Column diameter: 0.32
Y (x10^5)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12+
-Perylene-d12
Min
/chem/5972hp66.i/DV100524C66.b/0E25001-CAL3C66.d

Data File: /chem/5972hp66.i/DV100524C66.b/0E25001-CAL3C66.d
Report Date: 25-May-2010 09:02

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Data file : /chem/5972hp66.i/DV100524C66.b/0E25001-CAL3C66.d
Lab Smp Id: 0E25001-CAL3 Client Smp ID: SSTD3.00Y2
Inj Date : 25-MAY-2010 06:01
Operator : 2743 Inst ID: 5972hp66.i
Smp Info : SSTD3.00Y2:2743
Misc Info : SSTD3.00Y2
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DV100524C66.b/SIM_8270Cv2DOD.m
Meth Date : 25-May-2010 08:59 perry Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	5.547	5.547	(1.000)	37182	2.00000	
*	2 Naphthalene-d8	136	7.802	7.802	(1.000)	125435	2.00000	
*	3 Acenaphthene-d10	164	11.218	11.218	(1.000)	56129	2.00000	
*	4 Phenanthrene-d10	188	14.087	14.087	(1.000)	92434	2.00000	
*	5 Chrysene-d12	240	19.319	19.319	(1.000)	75031	2.00000	
*	6 Perylene-d12	264	21.949	21.949	(1.000)	62246	2.00000	
$	9 Nitrobenzene-d5	82	6.563	6.563	(0.841)	80993	3.00000	2.9
$	10 2-Fluorobiphenyl	172	9.952	9.952	(0.887)	181927	3.00000	3.1
$	12 Terphenyl-d14	244	17.333	17.333	(0.897)	83431	3.00000	3.1
	13 Naphthalene	128	7.828	7.828	(1.003)	226427	3.00000	2.9
	15 2-Methylnaphthalene	141	9.157	9.157	(0.816)	112252	3.00000	2.8
	17 Acenaphthylene	152	10.905	10.905	(0.972)	182733	3.00000	2.9
	18 Acenaphthene	154	11.270	11.270	(1.005)	107472	3.00000	2.9
	21 Fluorene	166	12.274	12.274	(0.871)	125051	3.00000	2.9
	25 Phenanthrene	178	14.126	14.126	(1.003)	171164	3.00000	3.0

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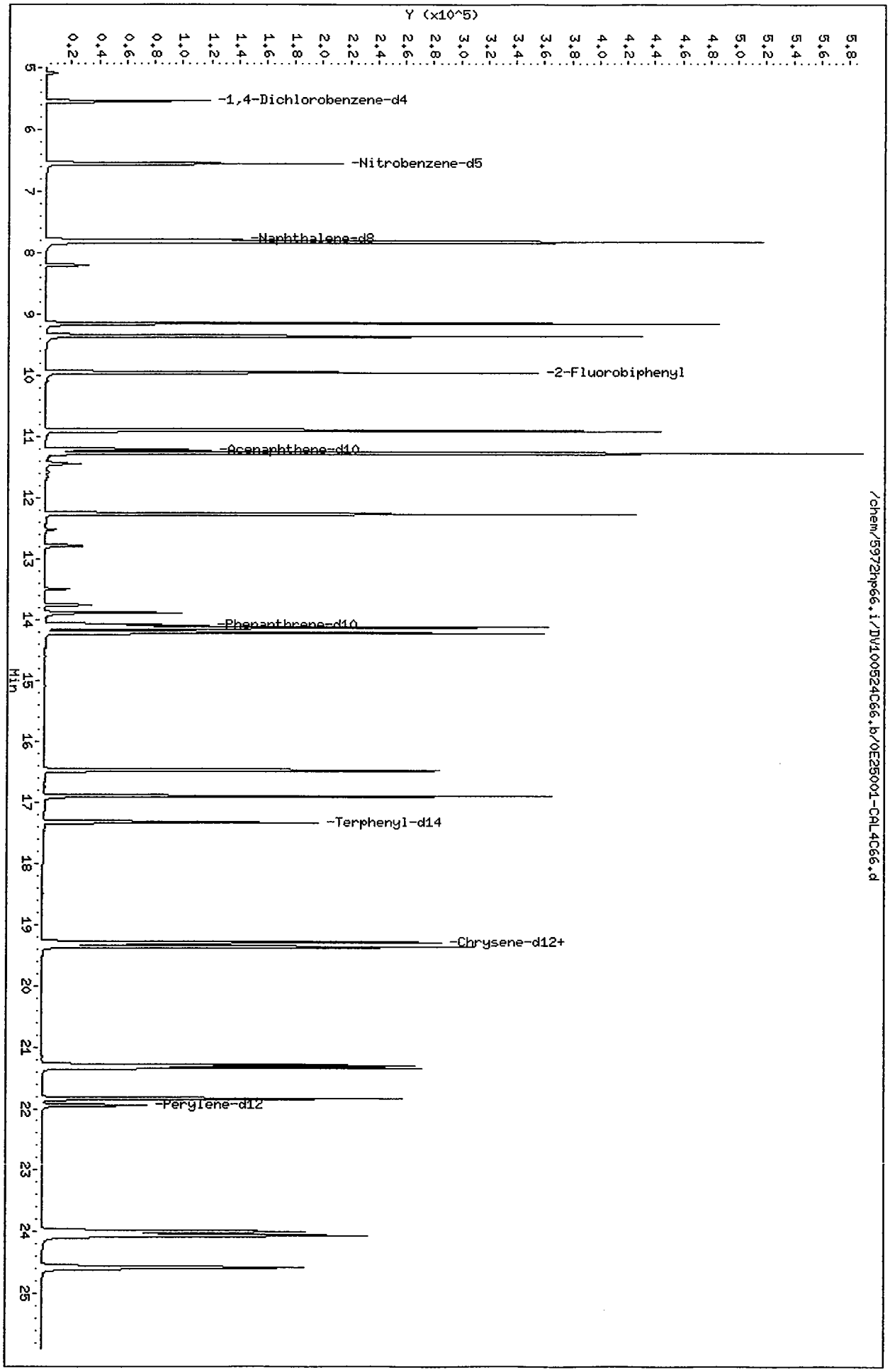
Data File: /chem/5972hp66.i/DV100524C66.b/0E25001-CAL3C66.d
Report Date: 25-May-2010 09:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
26 Anthracene	178	14.217	14.217	(1.009)	153579	3.00000	3.0
27 Fluoranthene	202	16.486	16.486	(0.853)	148807	3.00000	3.0
28 Pyrene	202	16.903	16.903	(0.875)	161512	3.00000	3.0
29 Benzo(a)anthracene	228	19.293	19.293	(0.999)	125381	3.00000	3.1
30 Chrysene	228	19.371	19.371	(1.003)	131836	3.00000	3.0
31 Benzo(b)fluoranthene	252	21.296	21.296	(0.970)	122234	3.00000	3.0
32 Benzo(k)fluoranthene	252	21.339	21.339	(0.972)	135163	3.00000	3.1
33 Benzo(a)pyrene	252	21.840	21.840	(0.995)	114164	3.00000	3.1
34 Indeno(1,2,3-cd)pyrene	276	23.995	23.995	(1.093)	98749	3.00000	3.0
35 Dibenzo(a,h)anthracene	278	24.061	24.061	(1.096)	97384	3.00000	3.0
36 Benzo(g,h,i)perylene	276	24.572	24.572	(1.119)	109200	3.00000	3.0

DMP 5/25/10


Data File: /chem/5972hp66.i/DV100524C66.b/0E25001-CAL4C66.d
Date : 25-MAY-2010 07:43
Client ID: SSTD5,00Y2
Sample Info: SSTD5,00Y2;2743
Volume Injected (uL): 2.0
Column phase: Rtx-5MS
Instrument: 5972hp66.i
Operator: 2743
Column diameter: 0.32
Y (x10^5)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12+
-Perylene-d12
/chem/5972hp66.i/DV100524C66.b/0E25001-CAL4C66.d
Min

Data File: /chem/5972hp66.i/DV100524C66.b/0E25001-CAL4C66.d
Report Date: 25-May-2010 09:02

CompuChem

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Data file : /chem/5972hp66.i/DV100524C66.b/0E25001-CAL4C66.d
Lab Smp Id: 0E25001-CAL4 Client Smp ID: SSTD5.00Y2
Inj Date : 25-MAY-2010 07:43
Operator : 2743 Inst ID: 5972hp66.i
Smp Info : SSTD5.00Y2:2743
Misc Info : SSTD5.00Y2
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DV100524C66.b/SIM_8270Cv2DOD.m
Meth Date : 25-May-2010 08:59 perry Quant Type: ISTD
Cal Date : 25-MAY-2010 07:43 Cal File: 0E25001-CAL4C66.d
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

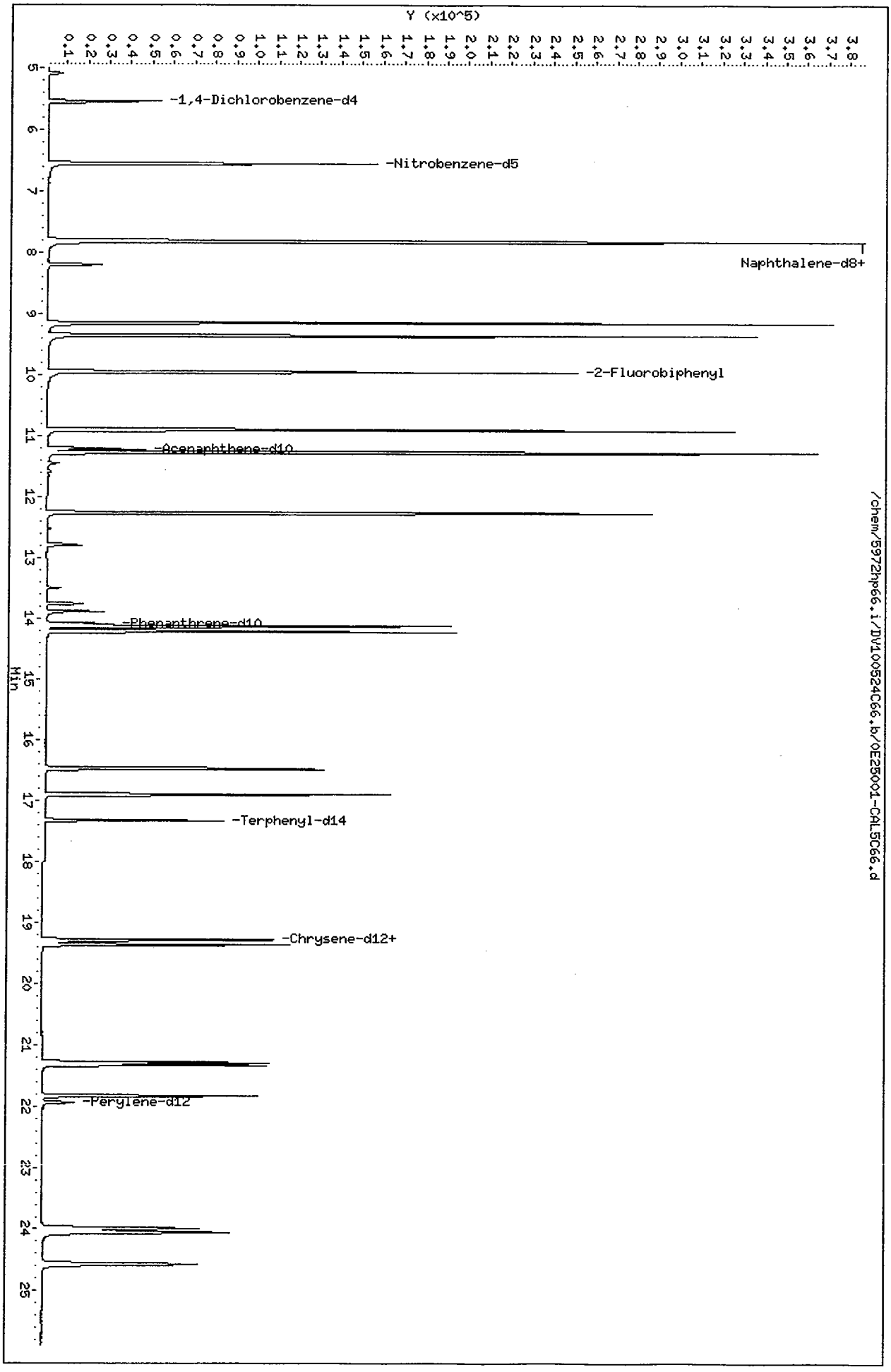
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	5.543	5.547	(1.000)	63425	2.00000	
* 2 Naphthalene-d8	136	7.785	7.802	(1.000)	216429	2.00000	
* 3 Acenaphthene-d10	164	11.218	11.218	(1.000)	91925	2.00000	
* 4 Phenanthrene-d10	188	14.087	14.087	(1.000)	154139	2.00000	
* 5 Chrysene-d12	240	19.318	19.319	(1.000)	128222	2.00000	
* 6 Perylene-d12	264	21.951	21.949	(1.000)	108520	2.00000	
$ 9 Nitrobenzene-d5	82	6.547	6.563	(0.841)	254021	5.00000	5.3
$ 10 2-Fluorobiphenyl	172	9.949	9.952	(0.887)	411699	5.00000	4.4
$ 12 Terphenyl-d14	244	17.333	17.333	(0.897)	231964	5.00000	4.9
13 Naphthalene	128	7.824	7.828	(1.005)	663758	5.00000	5.0
15 2-Methylnaphthalene	141	9.154	9.157	(0.816)	329678	5.00000	5.0
17 Acenaphthylene	152	10.905	10.905	(0.972)	538984	5.00000	5.2
18 Acenaphthene	154	11.270	11.270	(1.005)	313112	5.00000	5.2
21 Fluorene	166	12.274	12.274	(0.871)	357974	5.00000	4.9
25 Phenanthrene	178	14.126	14.126	(1.003)	487877	5.00000	5.1

TMP 5/25/10

Data File: /chem/5972hp66.i/DV100524C66.b/0E25001-CAL4C66.d
Report Date: 25-May-2010 09:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
26 Anthracene	178	14.217	14.217	(1.009)	449448	5.00000	5.1
27 Fluoranthene	202	16.486	16.486	(0.853)	430074	5.00000	5.0
28 Pyrene	202	16.903	16.903	(0.875)	465169	5.00000	5.0
29 Benzo(a)anthracene	228	19.292	19.293	(0.999)	360361	5.00000	5.1
30 Chrysene	228	19.371	19.371	(1.003)	383149	5.00000	5.1
31 Benzo(b)fluoranthene	252	21.298	21.296	(0.970)	364676	5.00000	5.1
32 Benzo(k)fluoranthene	252	21.341	21.339	(0.972)	385853	5.00000	5.0
33 Benzo(a)pyrene	252	21.842	21.840	(0.995)	337158	5.00000	5.2
34 Indeno(1,2,3-cd)pyrene	276	23.997	23.995	(1.093)	300043	5.00000	5.2
35 Dibenzo(a,h)anthracene	278	24.063	24.061	(1.096)	291827	5.00000	5.2
36 Benzo(g,h,i)perylene	276	24.574	24.572	(1.119)	315969	5.00000	5.0

DAP 5/25/10


Data File: /chem/5972hp66.i/DV100524C66.b/0E25001-CAL5C66.d
Date : 25-MAY-2010 06:35
Client ID: SSTD10.0Y2
Sample Info: SSTD10.0Y2:2743
Volume Injected (uL): 2.0
Column phase: Rtx-5MS
Instrument: 5972hp66.i
Operator: 2743
Column diameter: 0.32
Y (x10^5)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5
Naphthalene-d8+
-2-Fluorobiphenyl
-Acenaphthene-d10
-Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12+
-Perylene-d12
Min
/chem/5972hp66.i/DV100524C66.b/0E25001-CAL5C66.d

Data File: /chem/5972hp66.i/DV100524C66.b/0E25001-CAL5C66.d
Report Date: 25-May-2010 09:02

CompuChem

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Data file : /chem/5972hp66.i/DV100524C66.b/0E25001-CAL5C66.d
Lab Smp Id: 0E25001-CAL5 Client Smp ID: SSTD10.0Y2
Inj Date : 25-MAY-2010 06:35
Operator : 2743 Inst ID: 5972hp66.i
Smp Info : SSTD10.0Y2:2743
Misc Info : SSTD10.0Y2
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DV100524C66.b/SIM_8270Cv2DOD.m
Meth Date : 25-May-2010 08:59 perry Quant Type: ISTD
Cal Date : 25-MAY-2010 06:35 Cal File: 0E25001-CAL5C66.d
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	5.544	5.547	(1.000)	29337	2.00000	
*	2 Naphthalene-d8	136	7.799	7.802	(1.000)	86160	2.00000	
*	3 Acenaphthene-d10	164	11.217	11.218	(1.000)	32564	2.00000	
*	4 Phenanthrene-d10	188	14.087	14.087	(1.000)	41430	2.00000	
*	5 Chrysene-d12	240	19.319	19.319	(1.000)	26559	2.00000	
*	6 Perylene-d12	264	21.950	21.949	(1.000)	21293	2.00000	
$	9 Nitrobenzene-d5	82	6.561	6.563	(0.841)	195887	10.0000	10(A)
$	10 2-Fluorobiphenyl	172	9.950	9.952	(0.887)	388859	10.0000	11(A)
$	12 Terphenyl-d14	244	17.334	17.333	(0.897)	100210	10.0000	10(A)
	13 Naphthalene	128	7.825	7.828	(1.003)	511461	10.0000	9.6
	15 2-Methylnaphthalene	141	9.155	9.157	(0.816)	245895	10.0000	10(A)
	17 Acenaphthylene	152	10.904	10.905	(0.972)	361779	10.0000	9.9
	18 Acenaphthene	154	11.269	11.270	(1.005)	208101	10.0000	9.8
	21 Fluorene	166	12.272	12.274	(0.871)	222986	10.0000	11(A)
	25 Phenanthrene	178	14.126	14.126	(1.003)	259875	10.0000	10(A)

DM 5/25/10

Data File: /chem/5972hp66.i/DV100524C66.b/0E25001-CAL5C66.d
Report Date: 25-May-2010 09:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
26 Anthracene	178	14.218	14.217	(1.009)	236864	10.0000	10(A)
27 Fluoranthene	202	16.486	16.486	(0.853)	194996	10.0000	11(A)
28 Pyrene	202	16.904	16.903	(0.875)	208279	10.0000	11(A)
29 Benzo(a)anthracene	228	19.293	19.293	(0.999)	143641	10.0000	10(A)
30 Chrysene	228	19.371	19.371	(1.003)	154738	10.0000	9.9
31 Benzo(b)fluoranthene	252	21.297	21.296	(0.970)	145830	10.0000	10(A)
32 Benzo(k)fluoranthene	252	21.340	21.339	(0.972)	152992	10.0000	10
33 Benzo(a)pyrene	252	21.841	21.840	(0.995)	132196	10.0000	10(A)
34 Indeno(1,2,3-cd)pyrene	276	23.996	23.995	(1.093)	114361	10.0000	10(A)
35 Dibenzo(a,h)anthracene	278	24.050	24.061	(1.096)	113061	10.0000	10(A)
36 Benzo(g,h,i)perylene	276	24.573	24.572	(1.119)	125942	10.0000	10(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

TM 5/25/10

COMPUCHEM a Division of Liberty Analytical Corp
GC/MS SEMIVOLATILE RUN LOG
LOGBOOK 4X(4) 21 (5972hp66)

DATE 5/25/10 INITIAL TIME OF TUNE 0559 SHIFT/S (A) ____ (B) ____ (C) ✓
TIME TUNE EXPIRES 1759
METHOD: 625 8270C 8270D OLC03.2 OLM04.3 SOM01.2 (Circle One) or Other: PAHSIM DOD SIM: (Y/N)
PREVENTIVE MAINTENANCE Front/Liner/Septum

	SEQUENCE#	INJECTED	FILENAME	REQUEXTED	DATE	TIME	CLIENT ID	SDG#	AMOUNT INJECTED	CHEMIST	COMMENTS
1	OE25001		ASCANC66	✓	5/25/10	0527	SSTD3.00	—	2µL	2743	SCD=LCD
2	DV100525C		N/A	✓		0559	FC43	—	N/A		
3			OE25001-CAL3C66	✓		0601	SSTD3.00Y2	—	2µL		OE18007 8/18/10
4			-CAL5C66	✓		0635	10.0Y2	—			10
5			-CAL1C66	✓		0709	0.40Y2	—			05
6			-CAL4C66	✓		0743	5.00Y2	—			09
7			-CAL2C66	✓		0816	1.20Y2	—			06
8			1005131-02JC66	✓		0856	EB051310-SB	1005131			
9		✓	03JC66	1L		0930	BBG-FB051310				
10			03J2C66	✓		1013		VARIOUS 1005131			
11			0052402-BLK1C66	✓		1046	SBLKCB				TMP 5/25/10
12		✓	BS1C66	SFV SL		1120	SCBLCS	VARIOUS			
13			BSD1C66	✓		1155	SCBLCSD	VARIOUS			
14		✓	1005131-04C66	1H		1228	BBG-FB051810	1005131			
15			1005131-05C66	✓		1302	EB051810-SS	1005131			
16		✓	1005158-01C66	1H		1336	AOC8-MW-35	1005158			
17		✓	02C66	1H		1410	AOC8-MW-35D				JS
18		✓	01JC66	1H		1445	AOC8-MW-35				
19			02JC66	✓		1518	AOC8-MW-~~35~~36D				
20		✓	03 C66	1H		1552	~~ERO51910~~ AOC8-MW-36				
21		✓	04 C66	1H		1626	ERO51910				
22		✓	05C66	1H		1700	AOC8-MW-37				
23			0052402BS1JC66	✓		1734	SCBLCS	Various			
24			1005131-04JC66	✓		1808	BBG-FB051810	1005131			

OWS 05-25-10

DFTPP Lot #/Exp. Date: N/A
Calibration STD Lot#/Exp. Date: See Comments
Internal STD Lot#/Exp. Date: 040 OE18001 10/2/10
Methylene Chloride Lot#/Exp. Date: J10504 4/21/15
Column Type: RTX 5MS 0.32m

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

REVIEWED BY: DMP DATE 5/25/10
Supervisor/Manager Review: DMP pages 3060 to 3080 Date 5/25/10

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: 5972HP70 Calibration Date(s): 06/30/10 06/30/10

Column: RTX-5MS ID: 0.32 (mm) Calibration Time(s): 1311 1533

LAB FILE ID: RF0.4: 0F30008-CALRF1.2: 0F30008-CALRF3: 0F30008-CAL3A
RF5: 0F30008-CAL4ARF10: 0F30008-CAL5

COMPOUND	RF0.4	RF1.2	RF3	RF5	RF10
Naphthalene	1.263	1.313	1.270	1.277	1.262
2-Methylnaphthalene	0.513	0.617	0.638	0.604	0.638
Acenaphthylene	1.677	1.859	1.926	1.944	2.029
Acenaphthene	1.167	1.214	1.196	1.207	1.203
Fluorene	1.331	1.562	1.565	1.524	1.539
Phenanthrene	1.105	1.125	1.080	1.084	1.063
Anthracene	0.900	1.012	1.033	1.026	1.038
Fluoranthene	0.977	1.072	1.100	1.055	1.155
Pyrene	1.348	1.438	1.475	1.494	1.471
Benzo(a)anthracene	0.884	1.044	1.097	1.068	1.171
Chrysene	1.273	1.271	1.233	1.252	1.239
Benzo(b)fluoranthene	0.974	1.123	1.226	1.188	1.341
Benzo(k)fluoranthene	1.413	1.433	1.448	1.461	1.483
Benzo(a)pyrene	0.885	1.055	1.138	1.196	1.254
Indeno(1,2,3-cd)pyrene	6977	58182	166154	155905	477815
Dibenzo(a,h)anthracene	0.793	0.898	0.979	1.120	1.098
Benzo(g,h,i)perylene	0.938	1.026	1.062	1.248	1.128
Nitrobenzene-d5	0.520	0.623	0.658	0.709	0.726
2-Fluorobiphenyl	1.266	1.407	1.398	1.399	1.422
Terphenyl-d14	0.703	0.714	0.728	0.681	0.734

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: 5972HP70 Calibration Date(s): 06/30/10 06/30/10

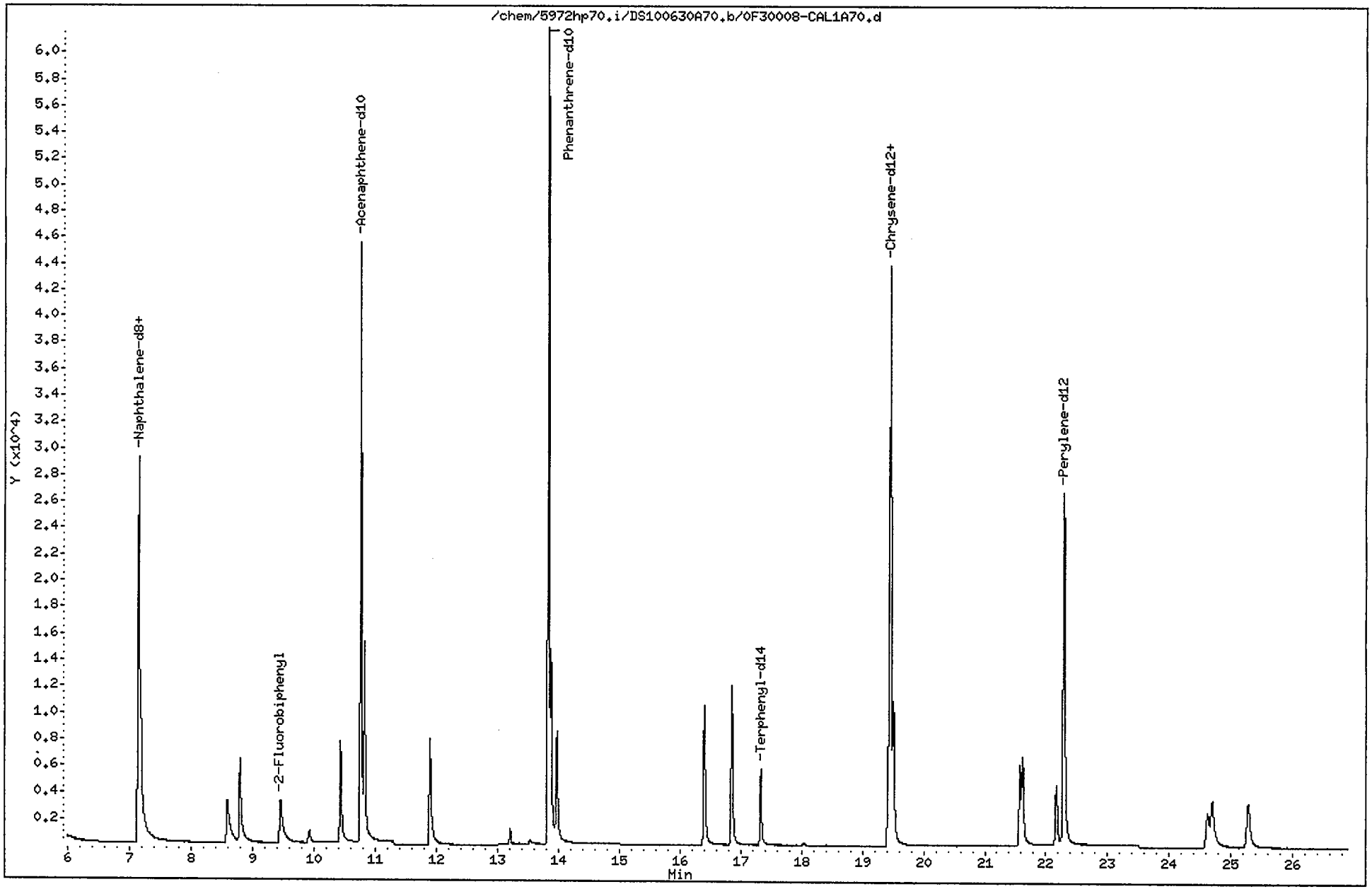
Column: RTX-5MS ID: 0.32 (mm) Calibration Time(s): 1311 1533

COMPOUND	CURVE	COEFFICENTS A0	COEFFICENTS A1	%RSD OR R^2	MAX %RSD OR R^2
Naphthalene	AVRG		1.27717478	1.628	15.000
2-Methylnaphthalene	AVRG		0.60191150	8.605	15.000
Acenaphthylene	AVRG		1.88689190	7.003	15.000
Acenaphthene	AVRG		1.19733480	1.517	30.000
Fluorene	AVRG		1.50425123	6.521	15.000
Phenanthrene	AVRG		1.09160974	2.220	15.000
Anthracene	AVRG		1.00167576	5.775	15.000
Fluoranthene	AVRG		1.07189825	6.072	30.000
Pyrene	AVRG		1.44535620	3.992	15.000
Benzo(a)anthracene	AVRG		1.05306053	10.032	15.000
Chrysene	AVRG		1.25362040	1.420	15.000
Benzo(b)fluoranthene	AVRG		1.17038559	11.560	15.000
Benzo(k)fluoranthene	AVRG		1.44760404	1.838	15.000
Benzo(a)pyrene	AVRG		1.10552810	12.979	30.000
Indeno(1,2,3-cd)pyrene	LINR	0.11301902	0.95056879	0.9992968	0.9950000
Dibenzo(a,h)anthracene	AVRG		0.97765934	14.014	15.000
Benzo(g,h,i)perylene	AVRG		1.08066444	10.753	15.000
Nitrobenzene-d5	AVRG		0.64720955	12.626	15.000
2-Fluorobiphenyl	AVRG		1.37837008	4.622	15.000
Terphenyl-d14	AVRG		0.71191384	3.000	15.000

FORM VI SV

Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL1A70.d
Date : 30-JUN-2010 13:11
Client ID: SSTD0.4Z4
Sample Info: SSTD0.4Z4:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL1A70.d
Report Date: 01-Jul-2010 13:45

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630A70.b/0F30008-CAL1A70.d
Lab Smp Id: 0F30008-CAL1 Client Smp ID: SSTD0.4Z4
Inj Date : 30-JUN-2010 13:11
Operator : MEW Inst ID: 5972hp70.i
Smp Info : SSTD0.4Z4:MEW
Misc Info : SSTD0.4Z4
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Meth Date : 01-Jul-2010 13:45 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 13:11 Cal File: 0F30008-CAL1A70.d
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.837	4.822	(1.000)	15129	2.00000	
* 2 Naphthalene-d8	136	7.145	7.129	(1.000)	59891	2.00000	
* 3 Acenaphthene-d10	164	10.763	10.757	(1.000)	38703	2.00000	
* 4 Phenanthrene-d10	188	13.837	13.829	(1.000)	81902	2.00000	
* 5 Chrysene-d12	240	19.454	19.454	(1.000)	63332	2.00000	
* 6 Perylene-d12	264	22.283	22.287	(1.000)	51238	2.00000	
$ 9 Nitrobenzene-d5	82	5.940	5.849	(0.831)	6234	0.40000	0.40 (M)
$ 10 2-Fluorobiphenyl	172	9.455	9.428	(0.878)	9797	0.40000	0.40
$ 12 Terphenyl-d14	244	17.335	17.326	(0.891)	8900	0.40000	0.40
13 Naphthalene	128	7.176	7.160	(1.004)	15134	0.40000	0.40
15 2-Methylnaphthalene	141	8.595	8.564	(1.203)	6144	0.40000	0.40
17 Acenaphthylene	152	10.435	10.415	(0.969)	12980	0.40000	0.40
18 Acenaphthene	154	10.829	10.816	(1.006)	9034	0.40000	0.40
21 Fluorene	166	11.897	11.879	(1.105)	10306	0.40000	0.40
25 Phenanthrene	178	13.881	13.873	(1.003)	18106	0.40000	0.40

2 07 7/1/10

7/1/10

Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL1A70.d
Report Date: 01-Jul-2010 13:45

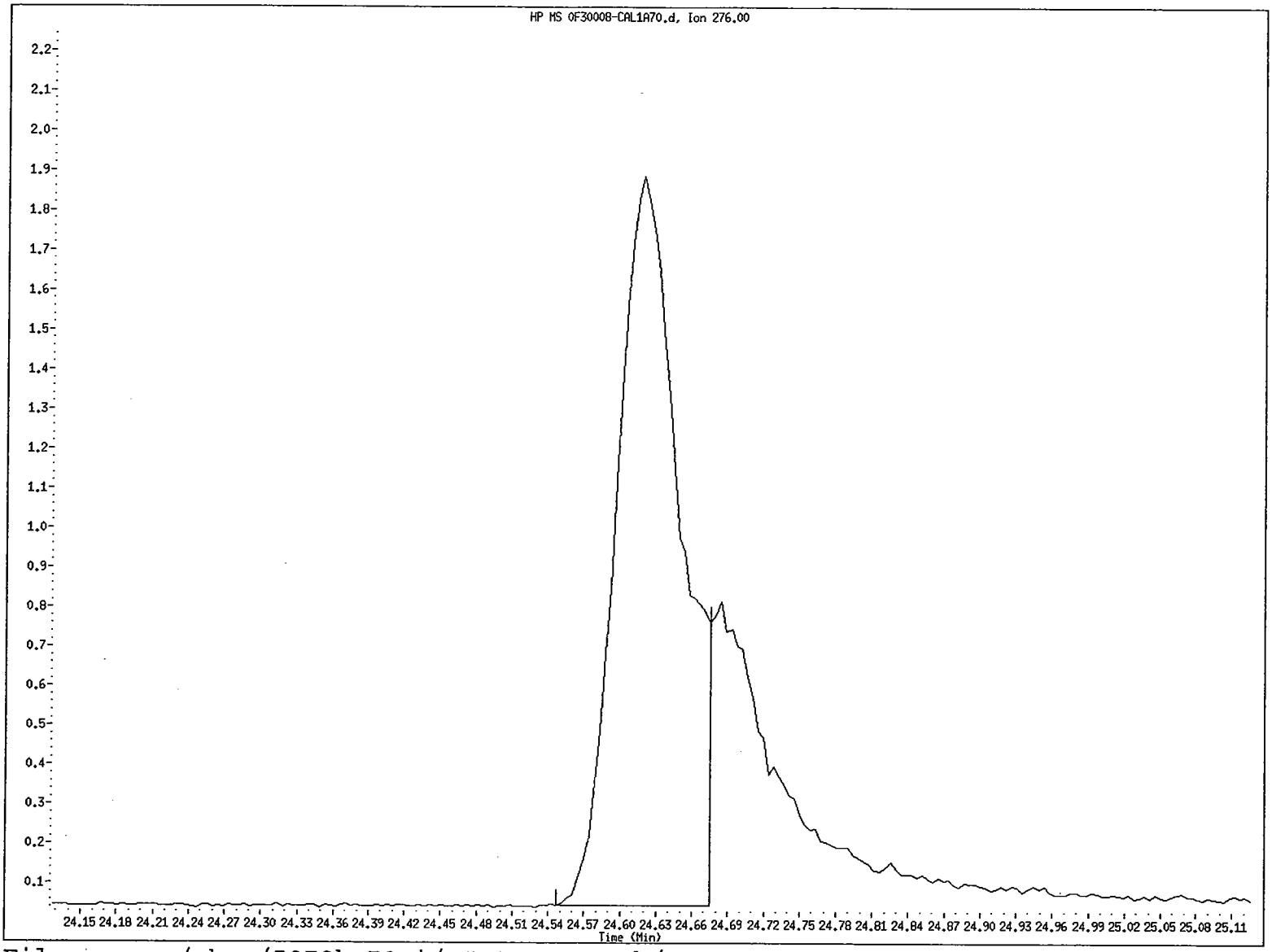
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	13.974	13.966	(1.010)	14736	0.40000	0.40
27 Fluoranthene	202	16.404	16.399	(1.185)	16007	0.40000	0.40
28 Pyrene	202	16.858	16.854	(0.867)	17081	0.40000	0.40
29 Benzo(a)anthracene	228	19.418	19.419	(0.998)	11203	0.40000	0.40
30 Chrysene	228	19.507	19.507	(1.003)	16121	0.40000	0.40
31 Benzo(b)fluoranthene	252	21.572	21.577	(0.968)	9986	0.40000	0.40
32 Benzo(k)fluoranthene	252	21.617	21.621	(0.970)	14480	0.40000	0.40
33 Benzo(a)pyrene	252	22.164	22.168	(0.995)	9070	0.40000	0.40
34 Indeno(1,2,3-cd)pyrene	276	24.618	24.626	(1.105)	6977	0.40000	0.40 (M)
35 Dibenzo(a,h)anthracene	278	24.693	24.697	(1.108)	8130	0.40000	0.40 (M)
36 Benzo(g,h,i)perylene	276	25.275	25.288	(1.134)	9615	0.40000	0.40

23 ppm ± 40
per 7/1/10

QC Flag Legend

M - Compound response manually integrated.

Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 6977 Manually integrated



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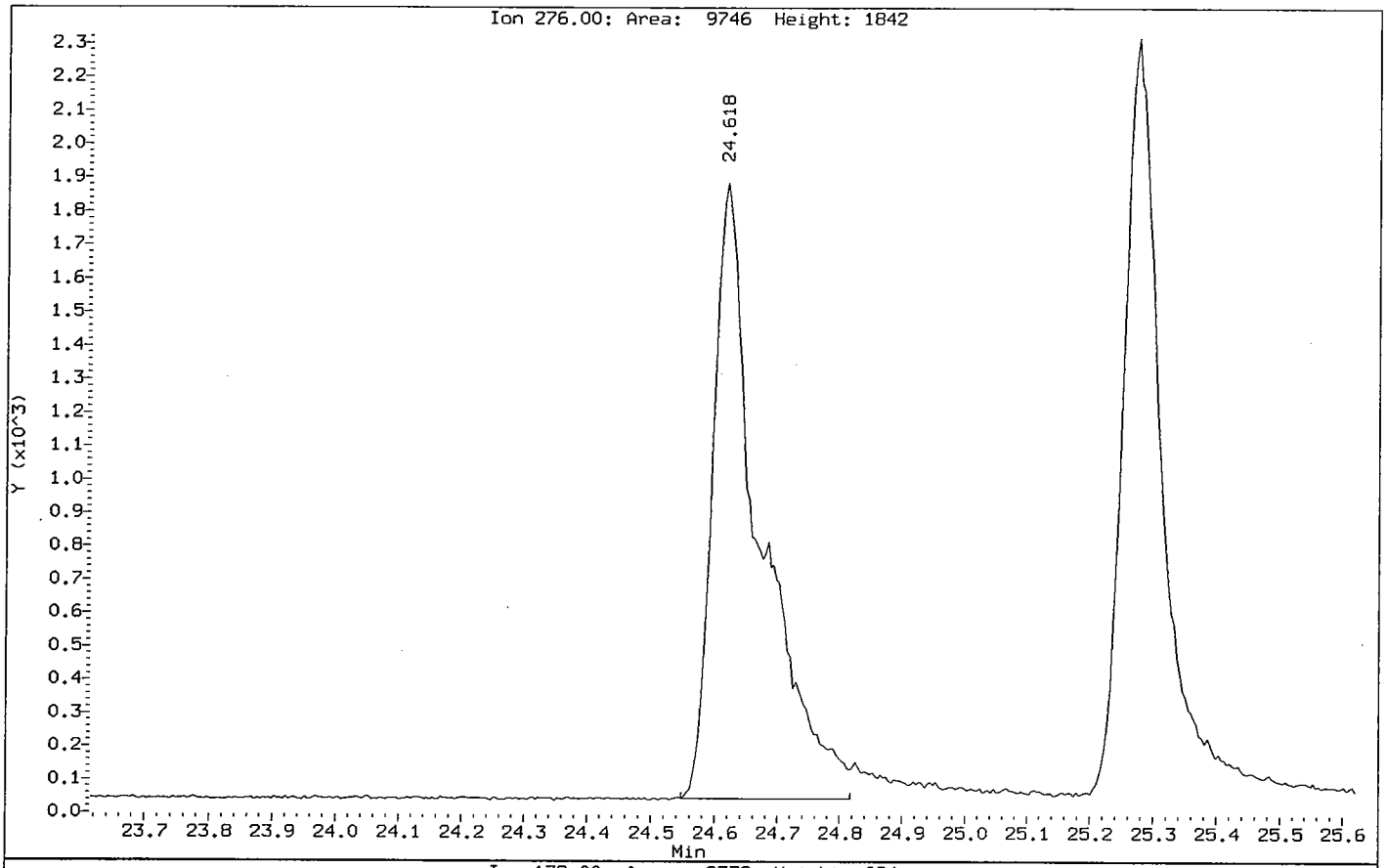
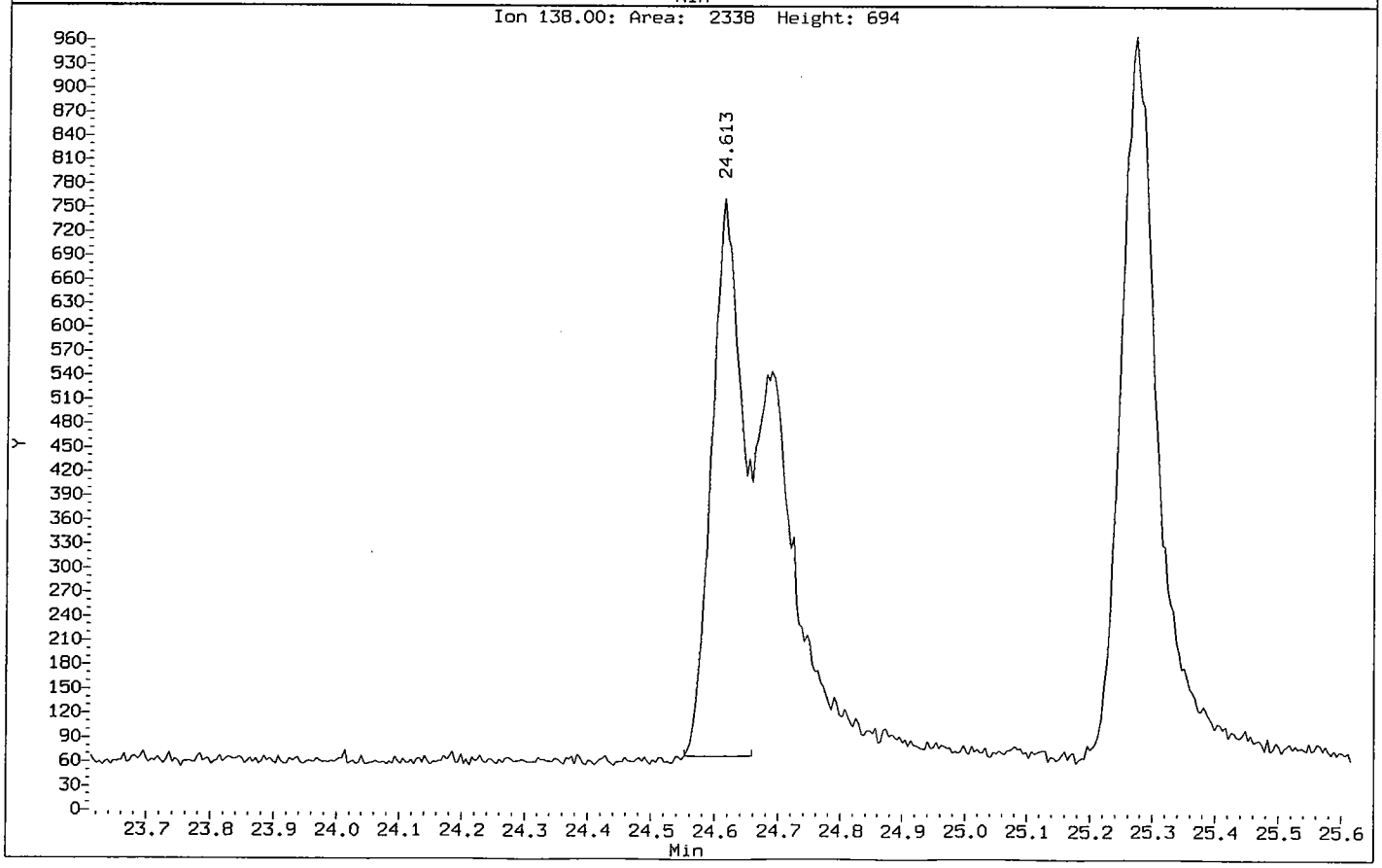
Client ID: SSTD0.4Z4
Instrument ID: 5972hp70.i
Injection Date and Time: 30-JUN-2010 13:11
Retention Time: 24.62
Operator ID: MEW

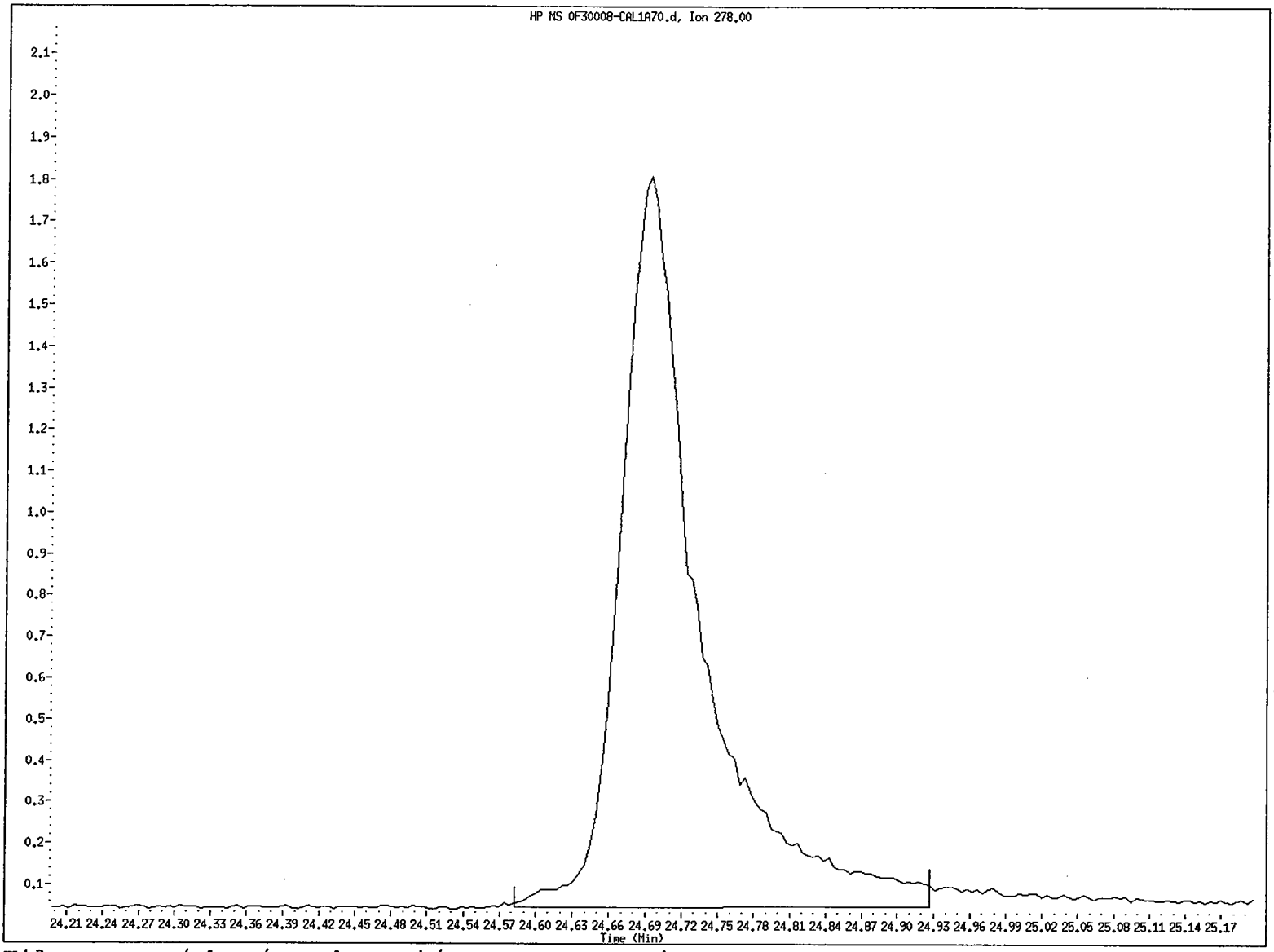
Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL1A70.d
Injection Date: 30-JUN-2010 13:11
Instrument: 5972hp70.i
Client Sample ID: SSTD0.4Z4

Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





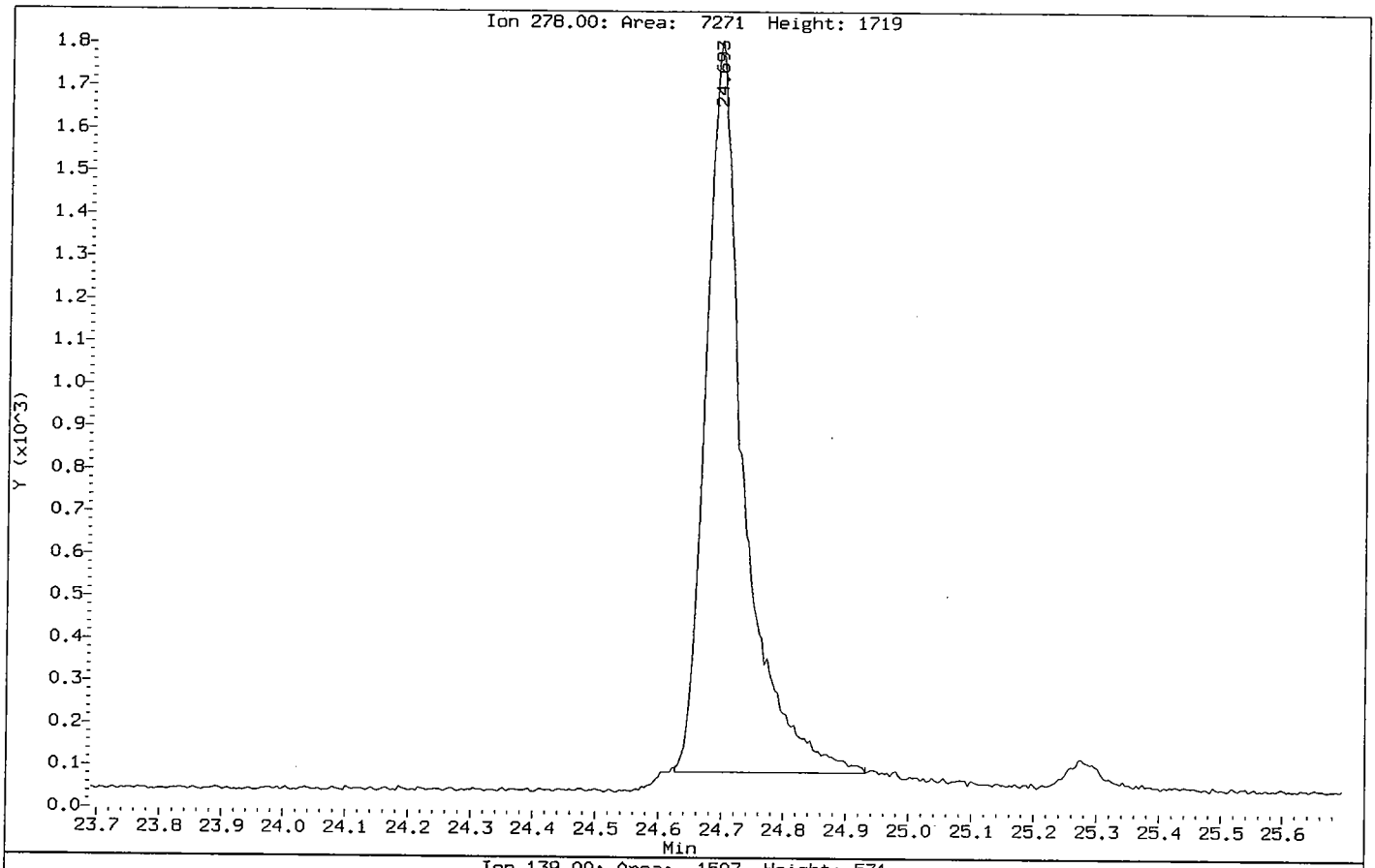
Dibenzo(a,h)anthracene CAS Number 53-70-3 Area = 8130 Manually integrated

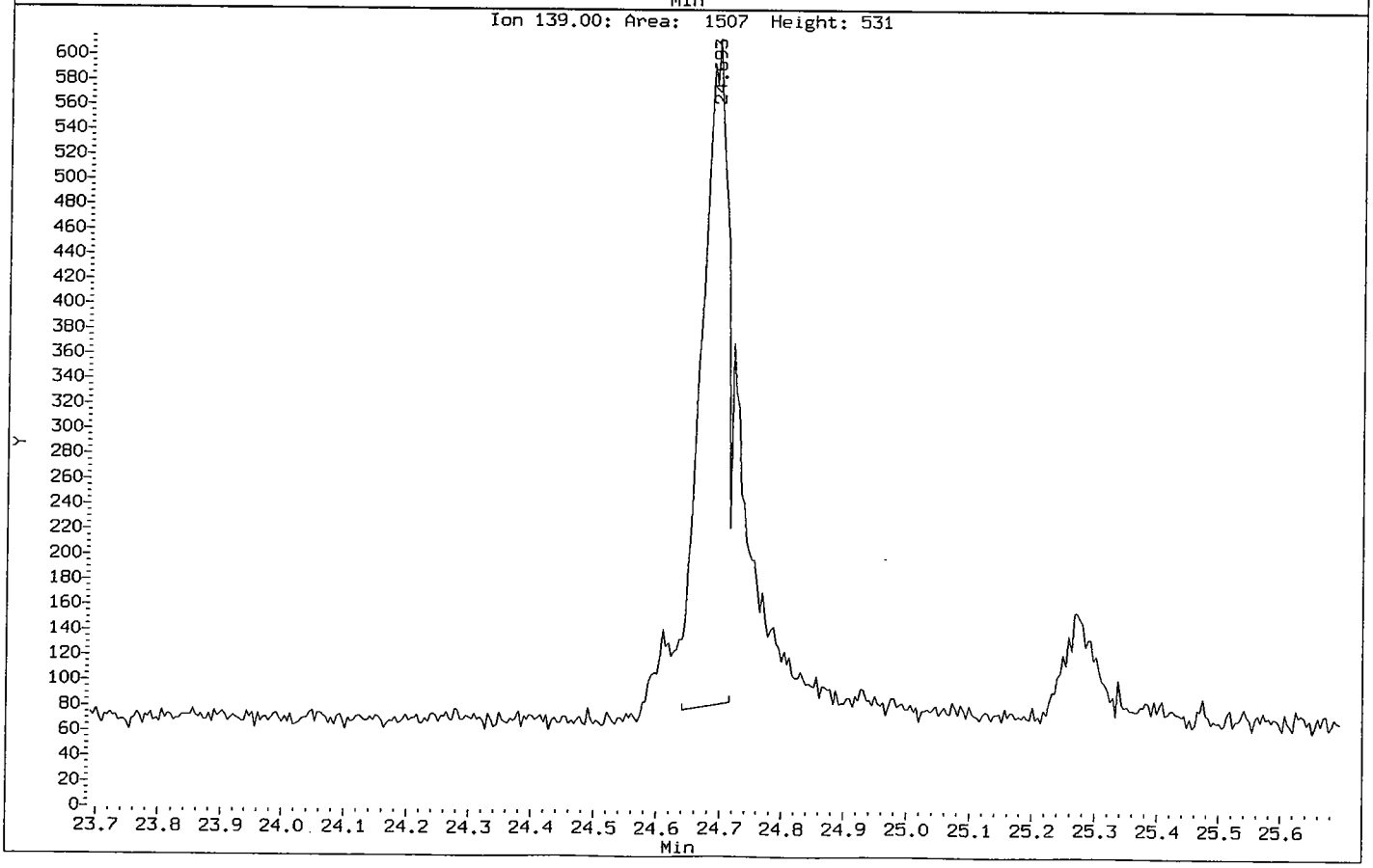


File name: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL1A70.d
Client ID: SSTD0.4Z4
Instrument ID: 5972hp70.i
Injection Date and Time: 30-JUN-2010 13:11
Retention Time: 24.69
Operator ID: MEW

Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL1A70.d
Injection Date: 30-JUN-2010 13:11
Instrument: 5972hp70.i
Client Sample ID: SSTD0.4Z4

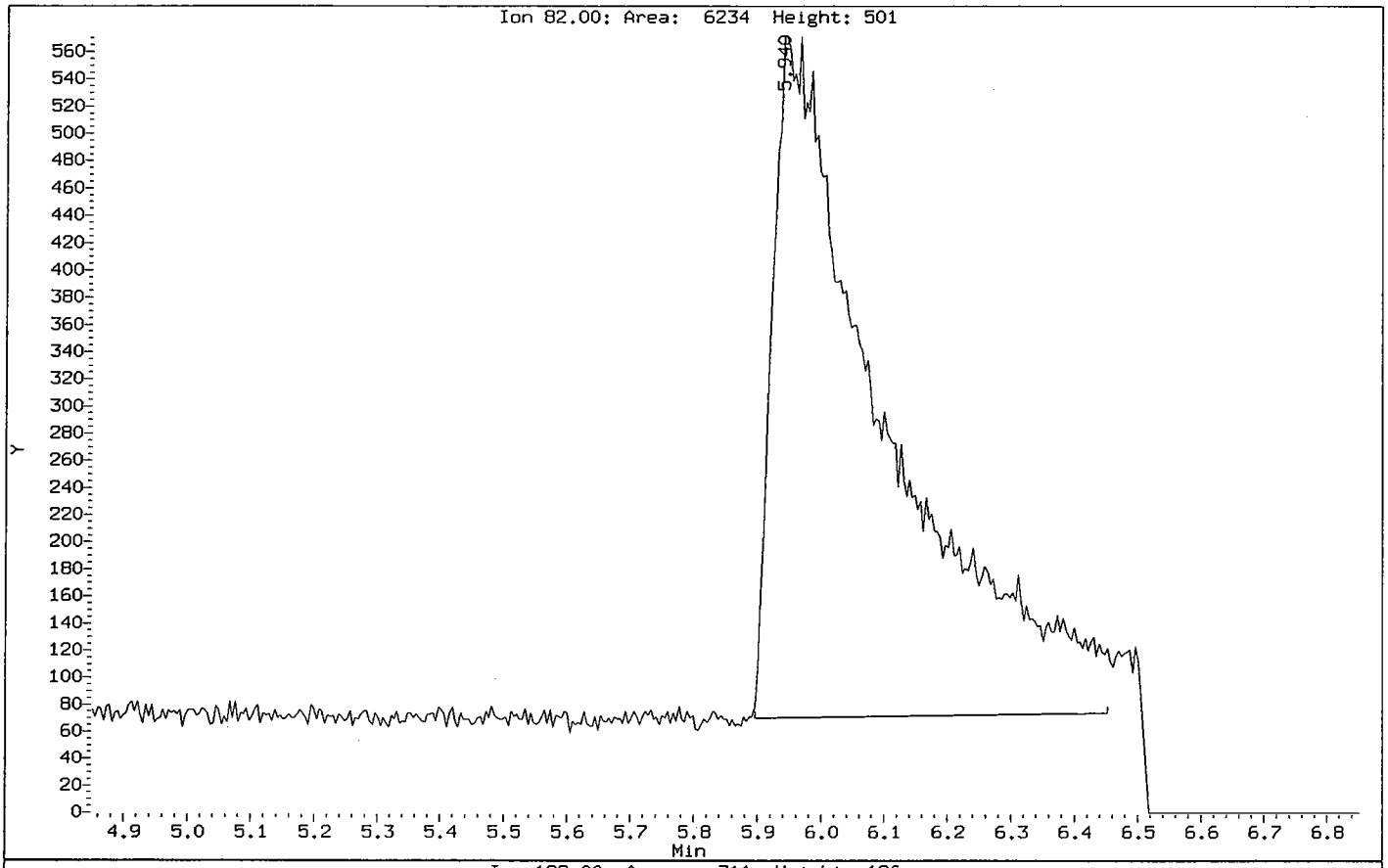
Compound: Dibenzo(a,h)anthracene
CAS Number: 53-70-3

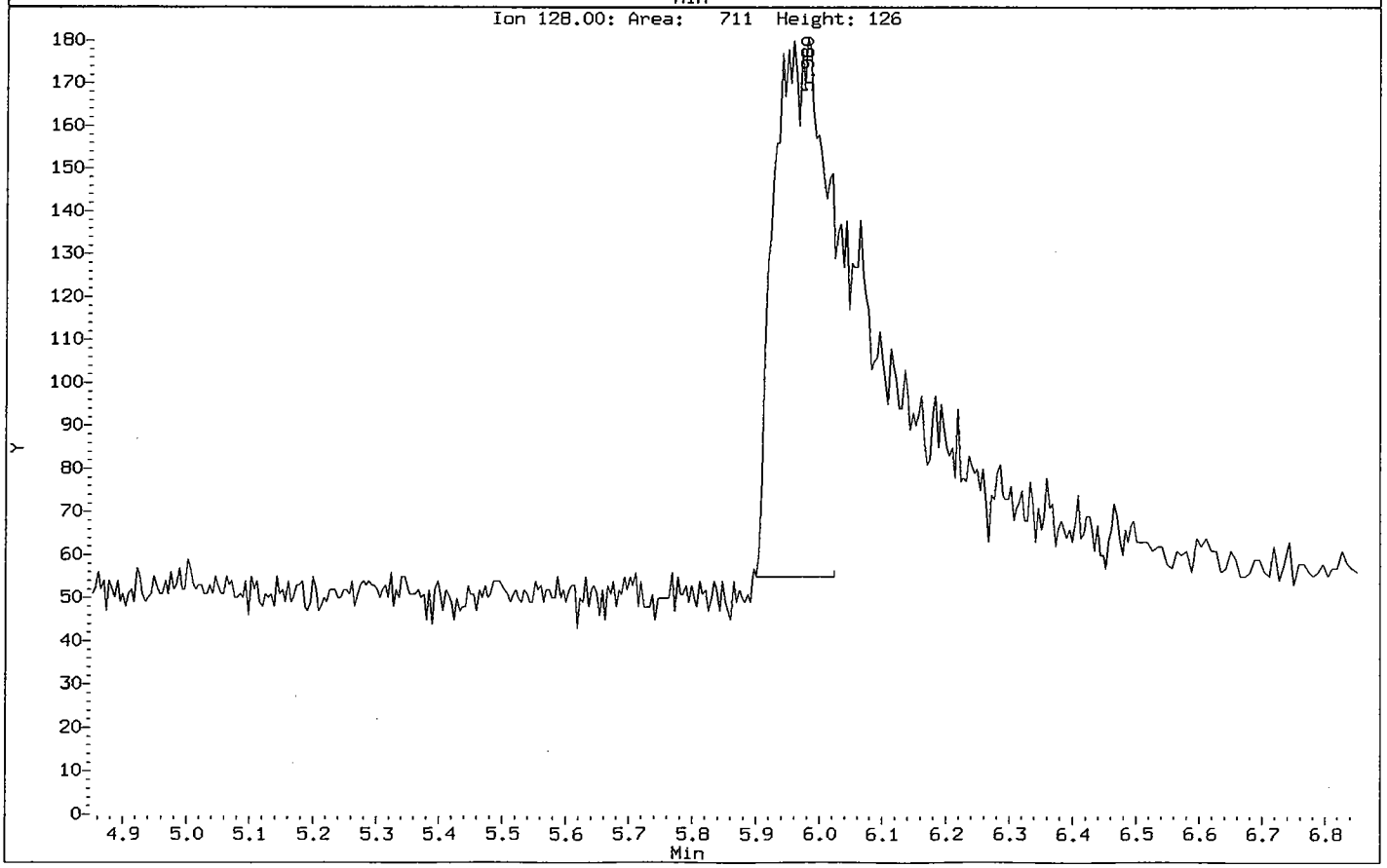




Data File: /chem/5972hp70.i/DS100630A70.b/OF30008-CAL1A70.d
Injection Date: 30-JUN-2010 13:11
Instrument: 5972hp70.i
Client Sample ID: SSTD0.4Z4

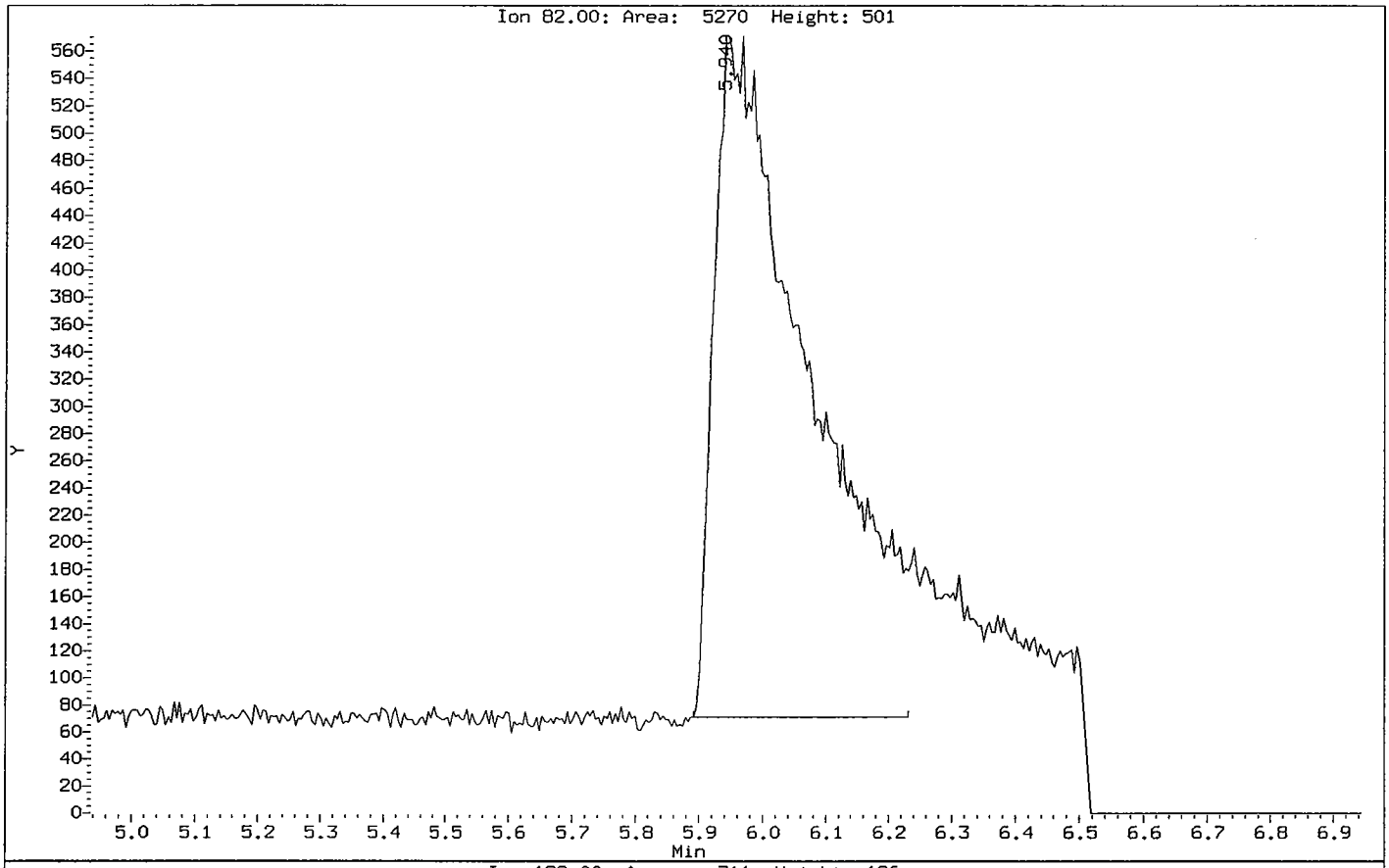
Compound: Nitrobenzene-d5
CAS Number: 4165-60-0

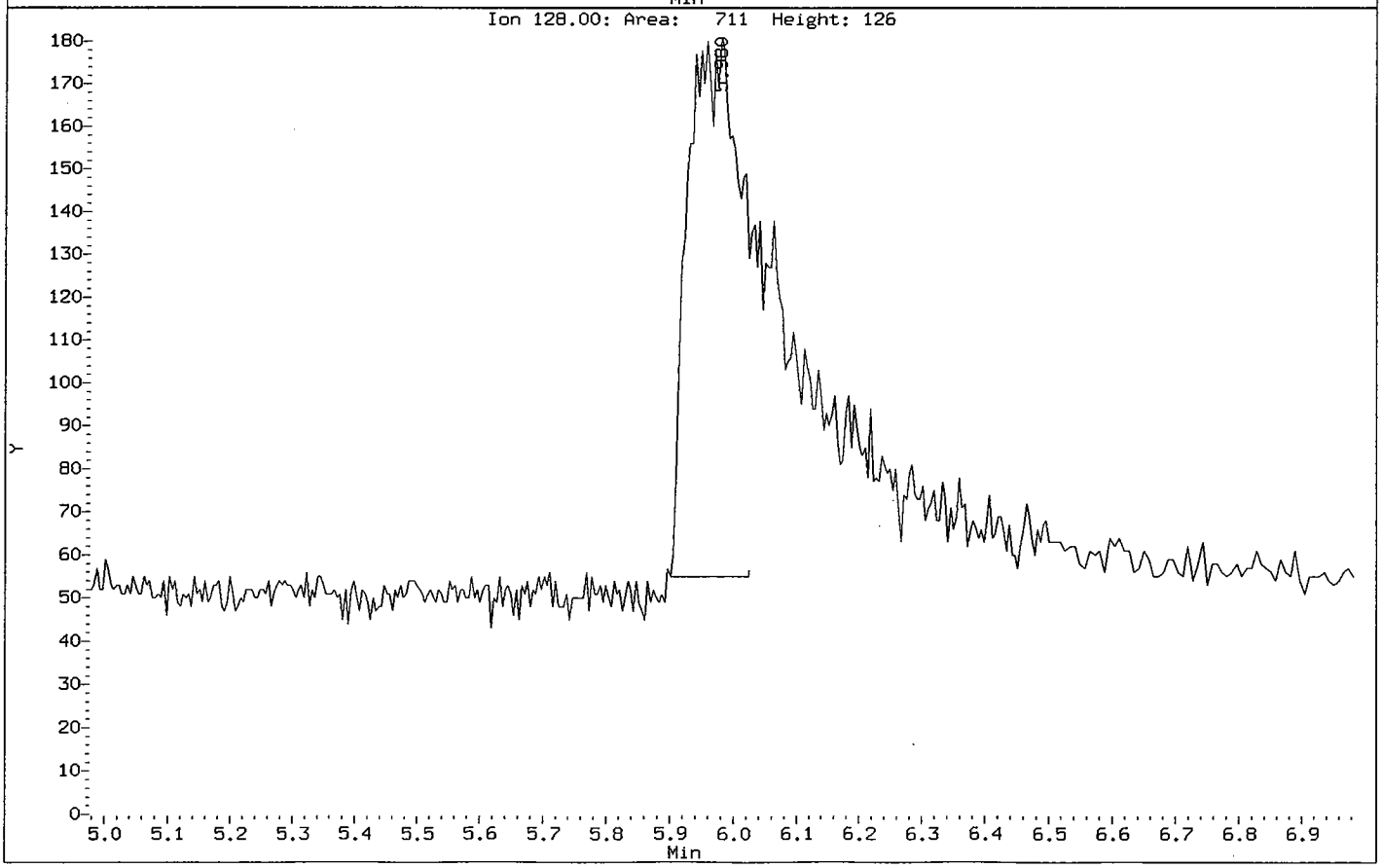




Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL1A70.d
Injection Date: 30-JUN-2010 13:11
Instrument: 5972hp70.i
Client Sample ID: SSTD0.4Z4

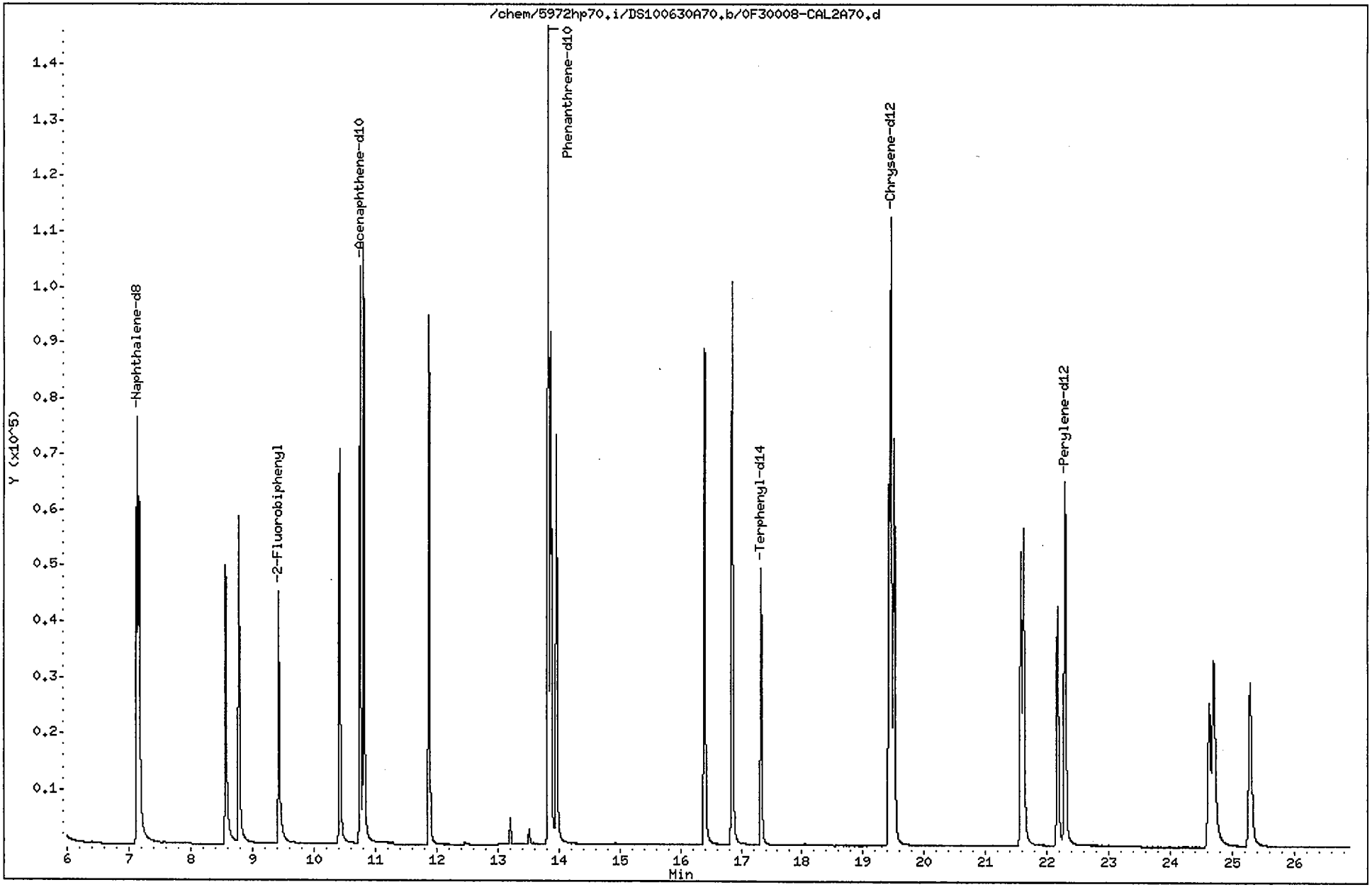
Compound: Nitrobenzene-d5
CAS Number: 4165-60-0





Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL2A70.d
Date : 30-JUN-2010 13:46
Client ID: SSTD1.2Z4
Sample Info: SSTD1.2Z4:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL2A70.d
Report Date: 01-Jul-2010 13:45

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630A70.b/0F30008-CAL2A70.d
Lab Smp Id: 0F30008-CAL2 Client Smp ID: SSTD1.2Z4
Inj Date : 30-JUN-2010 13:46
Operator : MEW Inst ID: 5972hp70.i
Smp Info : SSTD1.2Z4:MEW
Misc Info : SSTD1.2Z4
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Meth Date : 01-Jul-2010 13:45 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 13:46 Cal File: 0F30008-CAL2A70.d
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.823	4.822	(1.000)	32249	2.00000	
* 2 Naphthalene-d8	136	7.129	7.129	(1.000)	124023	2.00000	
* 3 Acenaphthene-d10	164	10.756	10.757	(1.000)	82405	2.00000	
* 4 Phenanthrene-d10	188	13.829	13.829	(1.000)	179451	2.00000	
* 5 Chrysene-d12	240	19.453	19.454	(1.000)	146989	2.00000	
* 6 Perylene-d12	264	22.287	22.287	(1.000)	119399	2.00000	
$ 9 Nitrobenzene-d5	82	5.869	5.849	(0.823)	46378	1.20000	1.3
$ 10 2-Fluorobiphenyl	172	9.432	9.428	(0.877)	69552	1.20000	1.3
$ 12 Terphenyl-d14	244	17.328	17.326	(0.891)	62951	1.20000	1.2
13 Naphthalene	128	7.168	7.160	(1.005)	97685	1.20000	1.2
15 2-Methylnaphthalene	141	8.568	8.564	(1.202)	45950	1.20000	1.3
17 Acenaphthylene	152	10.421	10.415	(0.969)	91924	1.20000	1.3
18 Acenaphthene	154	10.815	10.816	(1.005)	60030	1.20000	1.2
21 Fluorene	166	11.881	11.879	(1.105)	77225	1.20000	1.3
25 Phenanthrene	178	13.873	13.873	(1.003)	121170	1.20000	1.2

Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL2A70.d
Report Date: 01-Jul-2010 13:45

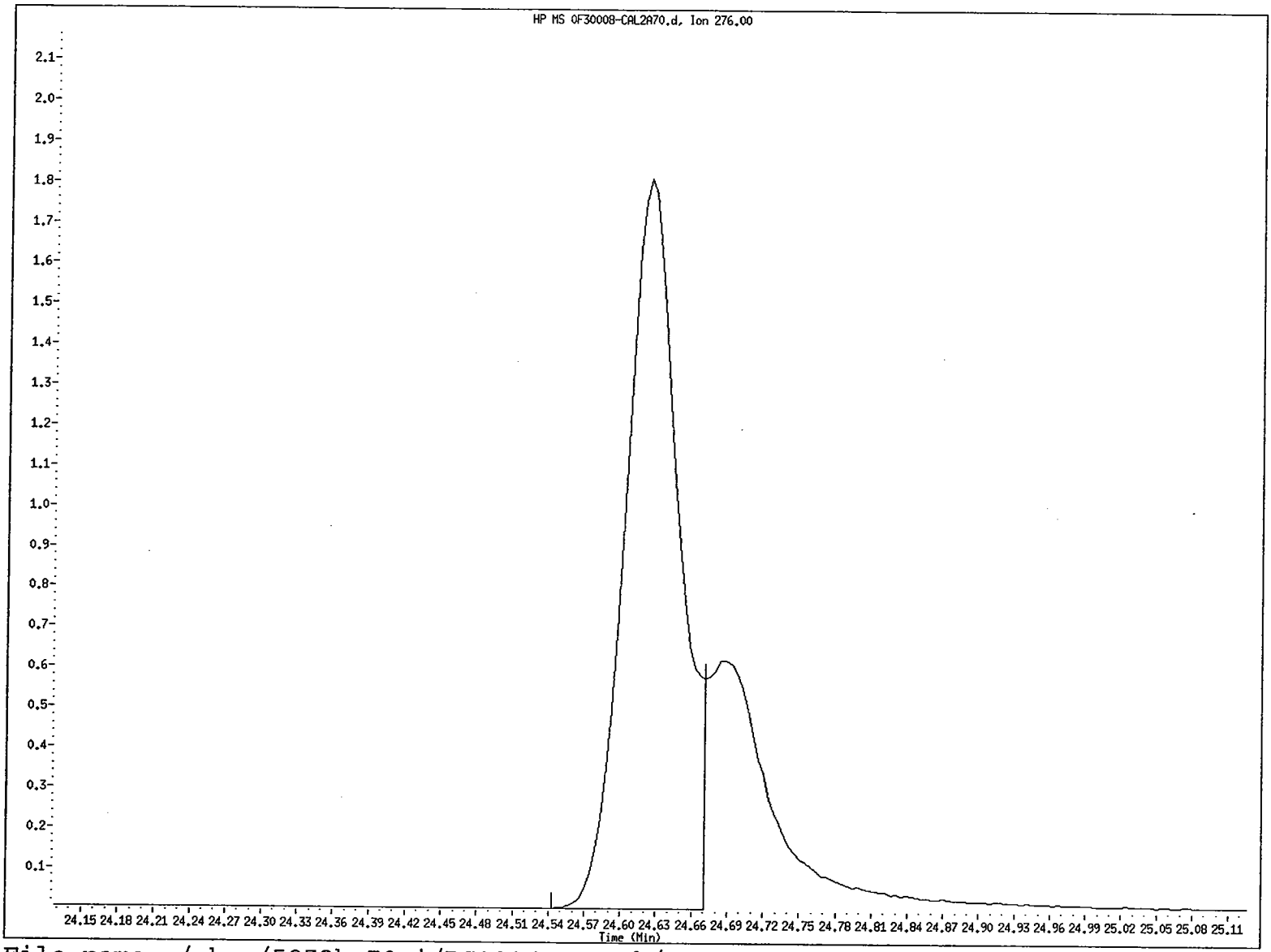
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	13.965	13.966	(1.010)	109020	1.20000	1.3
27 Fluoranthene	202	16.401	16.399	(1.186)	115404	1.20000	1.3
28 Pyrene	202	16.851	16.854	(0.866)	126866	1.20000	1.2
29 Benzo(a)anthracene	228	19.423	19.419	(0.998)	92113	1.20000	1.3
30 Chrysene	228	19.506	19.507	(1.003)	112065	1.20000	1.2
31 Benzo(b)fluoranthene	252	21.572	21.577	(0.968)	80428	1.20000	1.3
32 Benzo(k)fluoranthene	252	21.617	21.621	(0.970)	102647	1.20000	1.2
33 Benzo(a)pyrene	252	22.168	22.168	(0.995)	75593	1.20000	1.3
34 Indeno(1,2,3-cd)pyrene	276	24.623	24.626	(1.105)	58182	1.20000	1.2(M)
35 Dibenzo(a,h)anthracene	278	24.693	24.697	(1.108)	64337	1.20000	1.3
36 Benzo(g,h,i)perylene	276	25.280	25.288	(1.134)	73502	1.20000	1.3

2.07 7/1/10
pw 7/1/10

QC Flag Legend

M - Compound response manually integrated.

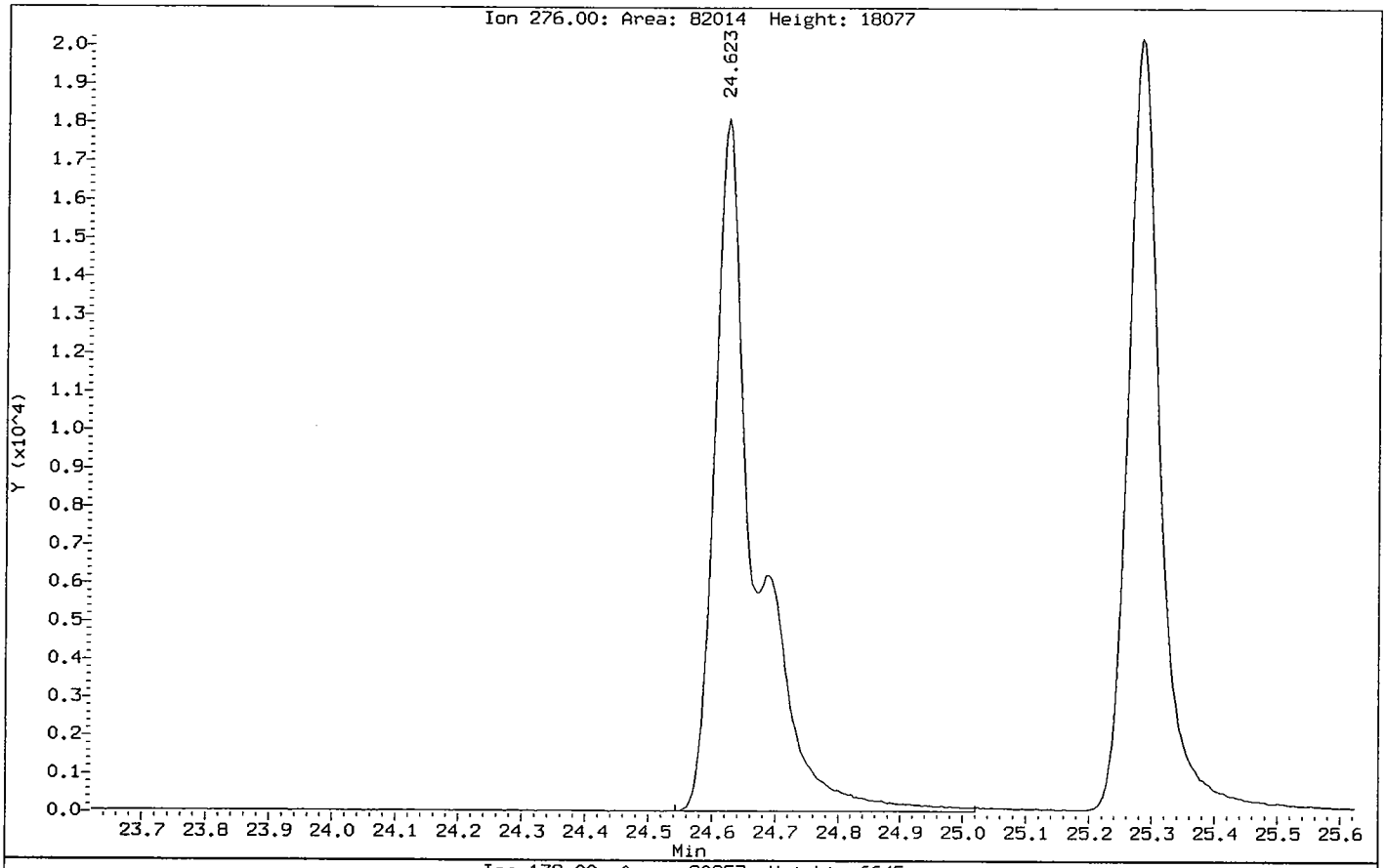
Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 58182 Manually integrated

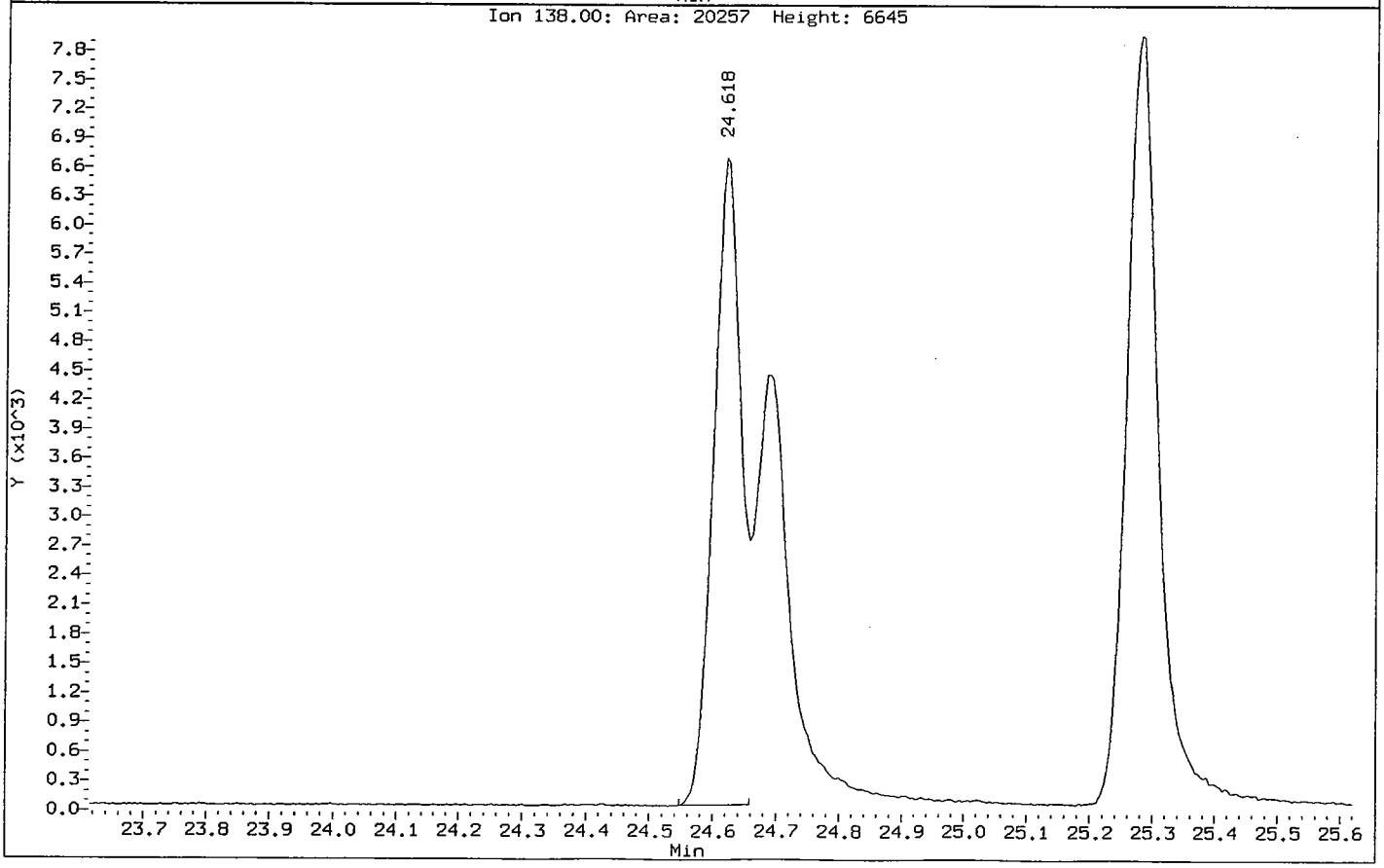


File name: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL2A70.d
Client ID: SSTD1.2Z4
Instrument ID: 5972hp70.i
Injection Date and Time: 30-JUN-2010 13:46
Retention Time: 24.62
Operator ID: MEW

Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL2A70.d
Injection Date: 30-JUN-2010 13:46
Instrument: 5972hp70.i
Client Sample ID: SSTD1.2Z4

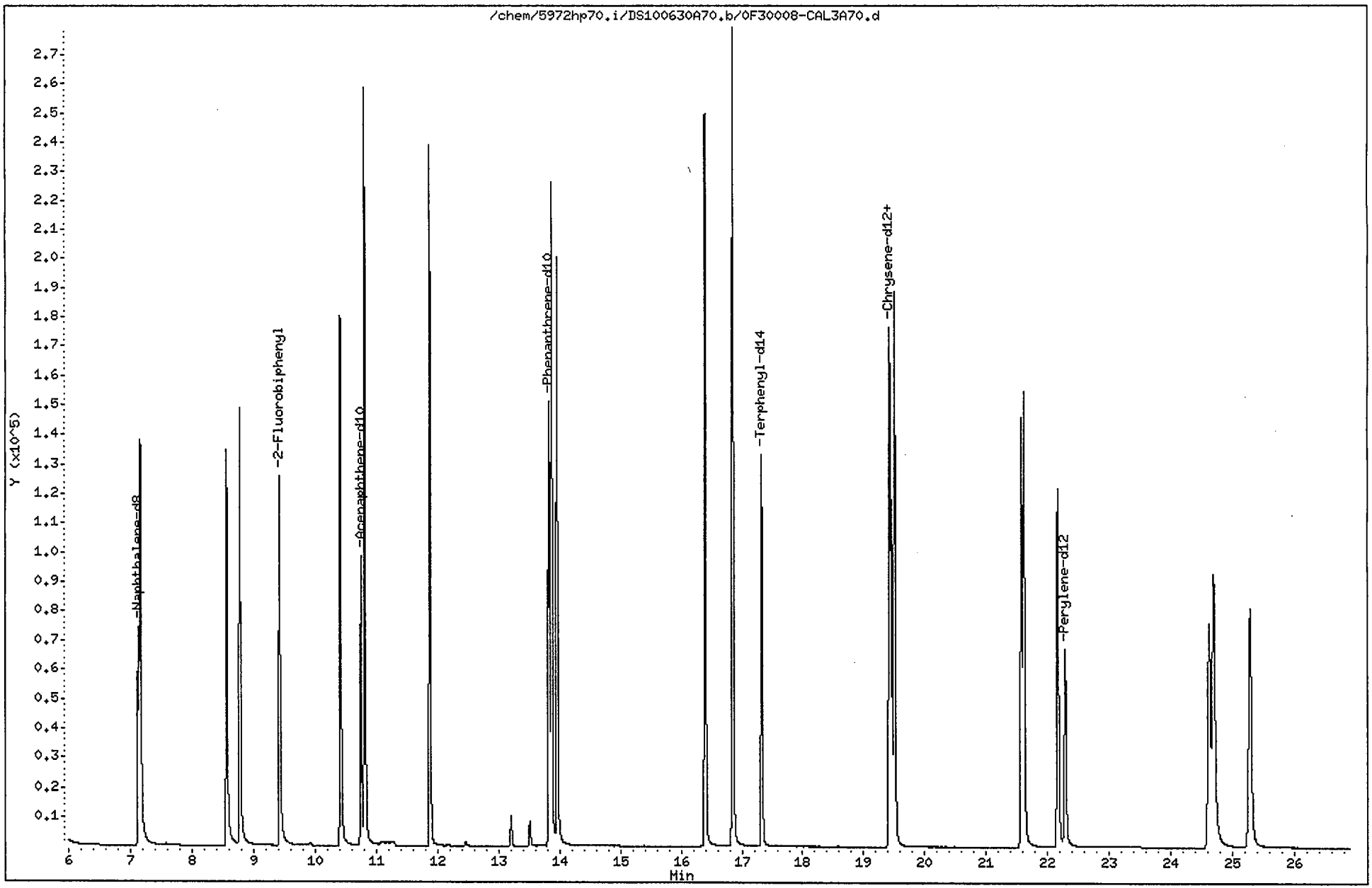
Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL3A70.d
Date : 30-JUN-2010 14:22
Client ID: SSTD003Z4
Sample Info: SSTD003Z4:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL3A70.d
Report Date: 01-Jul-2010 13:45

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630A70.b/0F30008-CAL3A70.d
Lab Smp Id: 0F30008-CAL3 Client Smp ID: SSTD003Z4
Inj Date : 30-JUN-2010 14:22
Operator : MEW Inst ID: 5972hp70.i
Smp Info : SSTD003Z4:MEW
Misc Info : SSTD003Z4
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Meth Date : 01-Jul-2010 13:45 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 14:22 Cal File: 0F30008-CAL3A70.d
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	4.822	4.822	(1.000)	30058	2.00000	
*	2 Naphthalene-d8	136	7.130	7.129	(1.000)	116045	2.00000	
*	3 Acenaphthene-d10	164	10.756	10.757	(1.000)	79465	2.00000	
*	4 Phenanthrene-d10	188	13.829	13.829	(1.000)	183132	2.00000	
*	5 Chrysene-d12	240	19.454	19.454	(1.000)	149459	2.00000	
*	6 Perylene-d12	264	22.288	22.287	(1.000)	119648	2.00000	
$	9 Nitrobenzene-d5	82	5.859	5.849	(0.822)	114506	3.00000	3.3
$	10 2-Fluorobiphenyl	172	9.428	9.428	(0.876)	166678	3.00000	3.1
$	12 Terphenyl-d14	244	17.326	17.326	(0.891)	163169	3.00000	3.1
	13 Naphthalene	128	7.161	7.160	(1.004)	221102	3.00000	3.0
	15 2-Methylnaphthalene	141	8.564	8.564	(1.201)	110983	3.00000	3.2
	17 Acenaphthylene	152	10.422	10.415	(0.969)	229532	3.00000	3.2
	18 Acenaphthene	154	10.815	10.816	(1.005)	142513	3.00000	3.0
	21 Fluorene	166	11.879	11.879	(1.104)	186558	3.00000	3.2
	25 Phenanthrene	178	13.873	13.873	(1.003)	296746	3.00000	2.9

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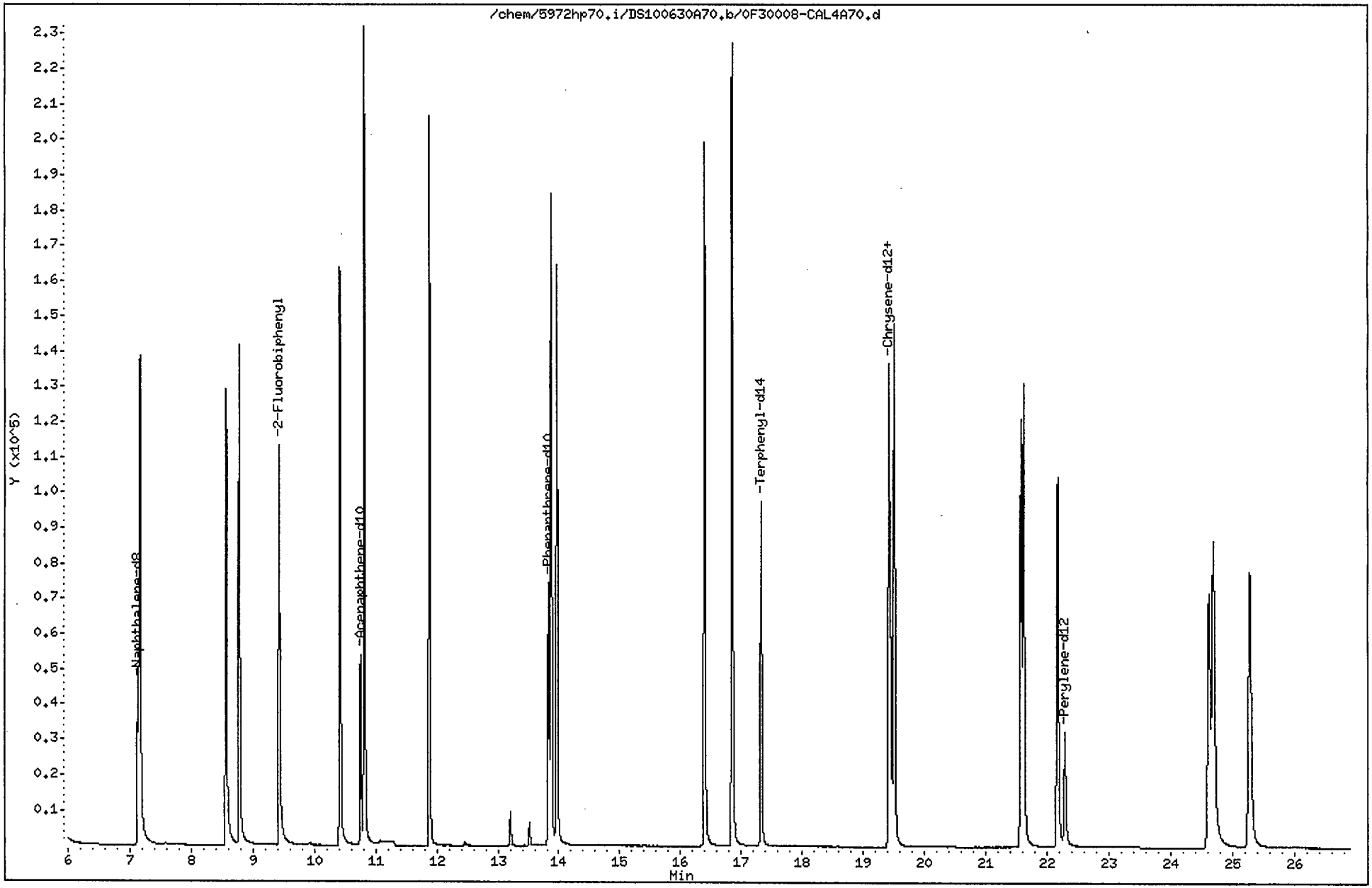
Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL3A70.d
Report Date: 01-Jul-2010 13:45

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	13.965	13.966	(1.010)	283674	3.00000	3.2
27 Fluoranthene	202	16.400	16.399	(1.186)	302283	3.00000	3.1
28 Pyrene	202	16.854	16.854	(0.866)	330629	3.00000	3.1
29 Benzo(a)anthracene	228	19.418	19.419	(0.998)	245999	3.00000	3.3
30 Chrysene	228	19.502	19.507	(1.002)	276527	3.00000	2.9
31 Benzo(b)fluoranthene	252	21.573	21.577	(0.968)	219995	3.00000	3.3
32 Benzo(k)fluoranthene	252	21.617	21.621	(0.970)	259914	3.00000	3.0
33 Benzo(a)pyrene	252	22.169	22.168	(0.995)	204181	3.00000	3.3
34 Indeno(1,2,3-cd)pyrene	276	24.619	24.626	(1.105)	166154	3.00000	3.0
35 Dibenzo(a,h)anthracene	278	24.694	24.697	(1.108)	175642	3.00000	3.3
36 Benzo(g,h,i)perylene	276	25.281	25.288	(1.134)	190684	3.00000	3.2

Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL4A70.d
Date : 30-JUN-2010 14:57
Client ID: SSTD005Z4
Instrument: 5972hp70.i
Sample Info: SSTD005Z4:MEW
Volume Injected (uL): 2.0
Operator: MEW
Column phase: Rtx-5MS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL4A70.d
Report Date: 01-Jul-2010 13:45

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630A70.b/0F30008-CAL4A70.d
Lab Smp Id: 0F30008-CAL4 Client Smp ID: SSTD005Z4
Inj Date : 30-JUN-2010 14:57
Operator : MEW Inst ID: 5972hp70.i
Smp Info : SSTD005Z4:MEW
Misc Info : SSTD005Z4
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Meth Date : 01-Jul-2010 13:45 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 14:57 Cal File: 0F30008-CAL4A70.d
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	4.828	4.822	(1.000)	19360	2.00000	
*	2 Naphthalene-d8	136	7.130	7.129	(1.000)	69661	2.00000	
*	3 Acenaphthene-d10	164	10.756	10.757	(1.000)	42738	2.00000	
*	4 Phenanthrene-d10	188	13.828	13.829	(1.000)	90374	2.00000	
*	5 Chrysene-d12	240	19.454	19.454	(1.000)	70893	2.00000	
*	6 Perylene-d12	264	22.287	22.287	(1.000)	60609	2.00000	
$	9 Nitrobenzene-d5	82	5.861	5.849	(0.822)	123473	5.00000	5.6
$	10 2-Fluorobiphenyl	172	9.427	9.428	(0.876)	149502	5.00000	5.1
$	12 Terphenyl-d14	244	17.328	17.326	(0.891)	120655	5.00000	4.8
	13 Naphthalene	128	7.169	7.160	(1.005)	222463	5.00000	5.0
	15 2-Methylnaphthalene	141	8.563	8.564	(1.201)	105127	5.00000	5.1
	17 Acenaphthylene	152	10.415	10.415	(0.968)	207654	5.00000	5.2
	18 Acenaphthene	154	10.815	10.816	(1.005)	128922	5.00000	5.0
	21 Fluorene	166	11.878	11.879	(1.104)	162824	5.00000	5.1
	25 Phenanthrene	178	13.872	13.873	(1.003)	245013	5.00000	4.9

Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL4A70.d
Report Date: 01-Jul-2010 13:45

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	13.965	13.966	(1.010)	231724	5.00000	5.2
27 Fluoranthene	202	16.397	16.399	(1.186)	238401	5.00000	5.0
28 Pyrene	202	16.851	16.854	(0.866)	264805	5.00000	5.2
29 Benzo(a)anthracene	228	19.418	19.419	(0.998)	189261	5.00000	5.2
30 Chrysene	228	19.506	19.507	(1.003)	221865	5.00000	5.0
31 Benzo(b)fluoranthene	252	21.573	21.577	(0.968)	179972	5.00000	5.3
32 Benzo(k)fluoranthene	252	21.617	21.621	(0.970)	221420	5.00000	5.1
33 Benzo(a)pyrene	252	22.168	22.168	(0.995)	181152	5.00000	5.6
34 Indeno(1,2,3-cd)pyrene	276	24.623	24.626	(1.105)	155905	5.00000	5.1(M)
35 Dibenzo(a,h)anthracene	278	24.693	24.697	(1.108)	169666	5.00000	5.9
36 Benzo(g,h,i)perylene	276	25.280	25.288	(1.134)	189179	5.00000	5.8

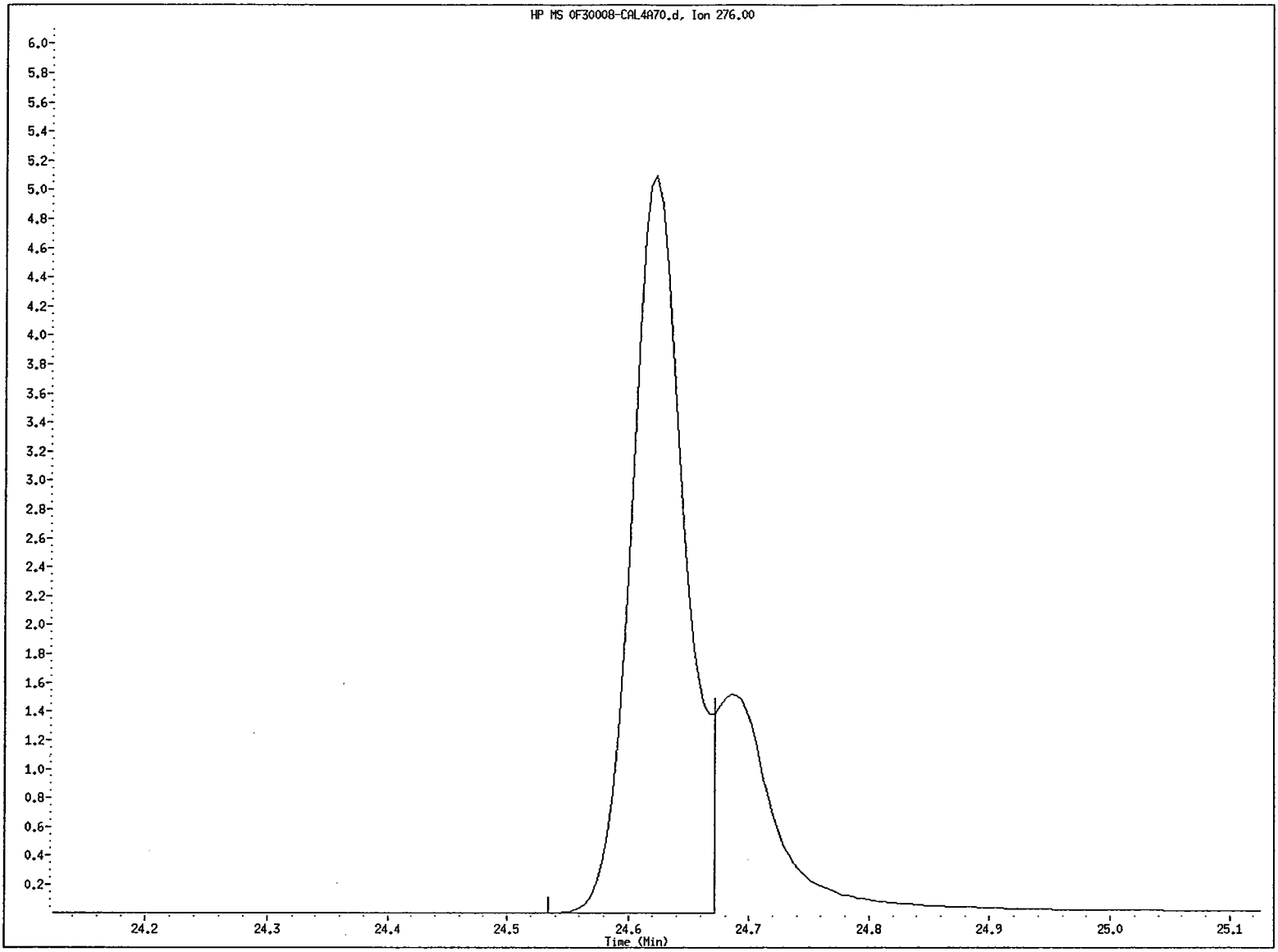
2 07/1/10

pw 7/1/10

QC Flag Legend

M - Compound response manually integrated.

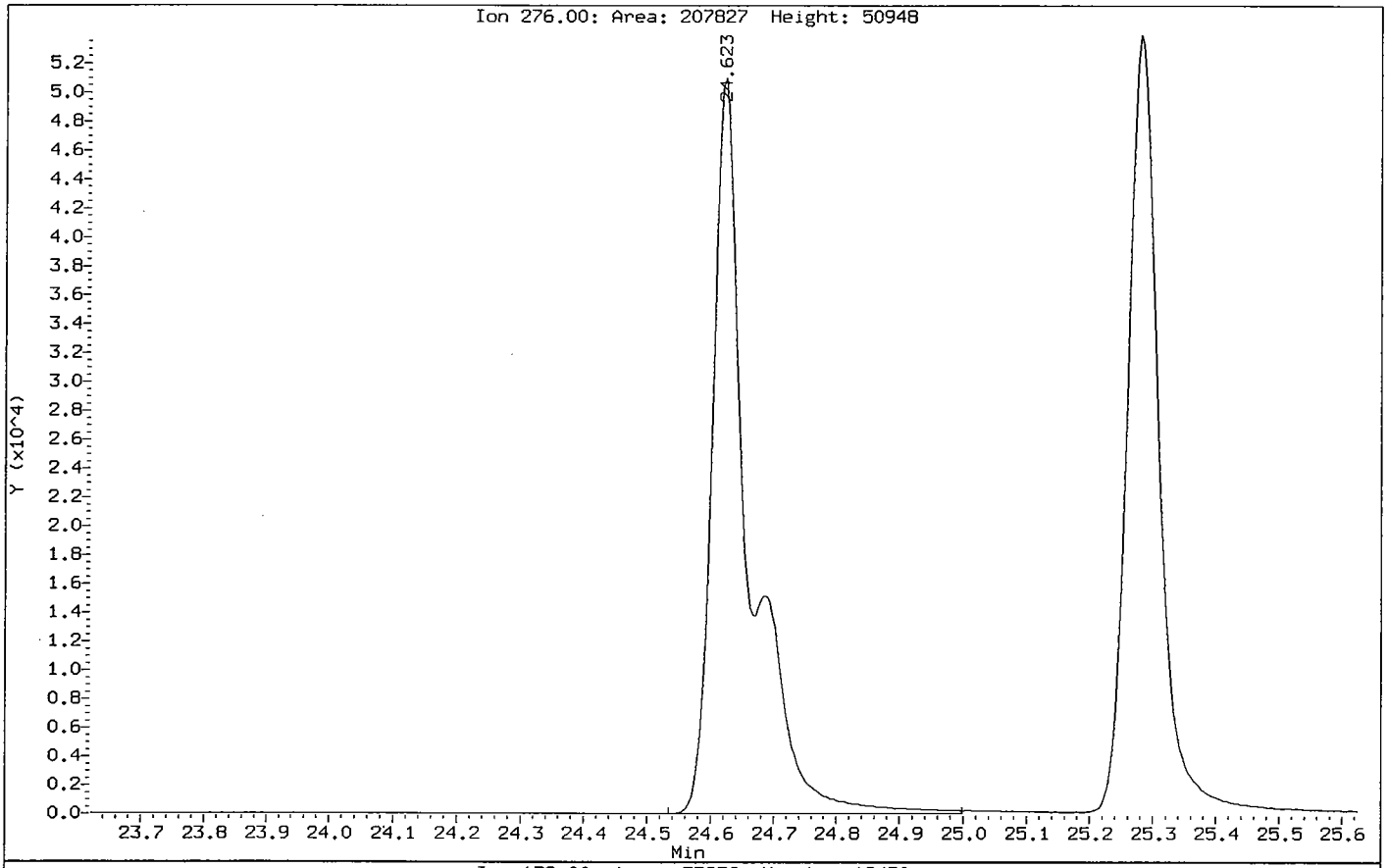
Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 155905 Manually integrated

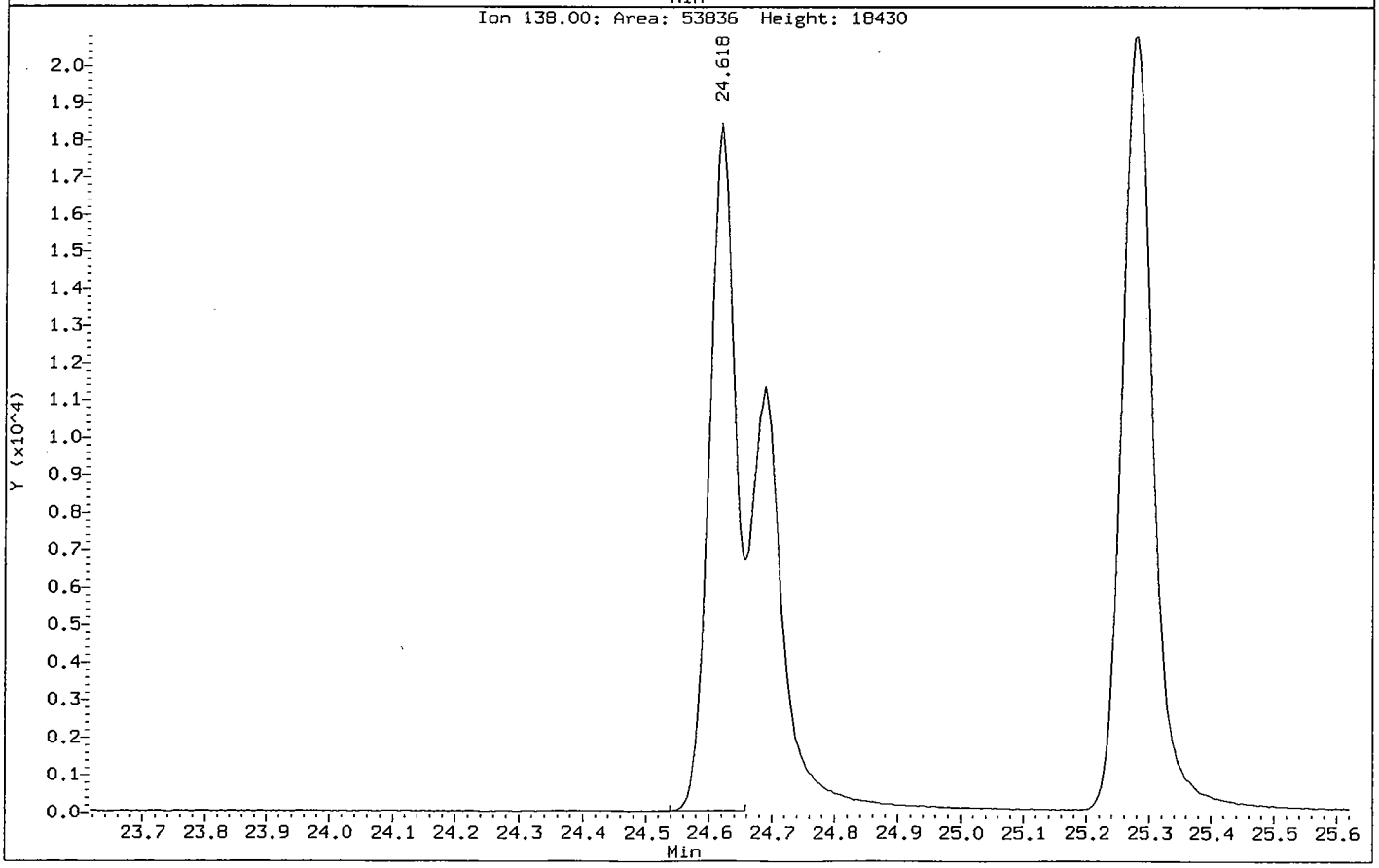


File name: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL4A70.d
Client ID: SSTD005Z4
Instrument ID: 5972hp70.i
Injection Date and Time: 30-JUN-2010 14:57
Retention Time: 24.62
Operator ID: MEW

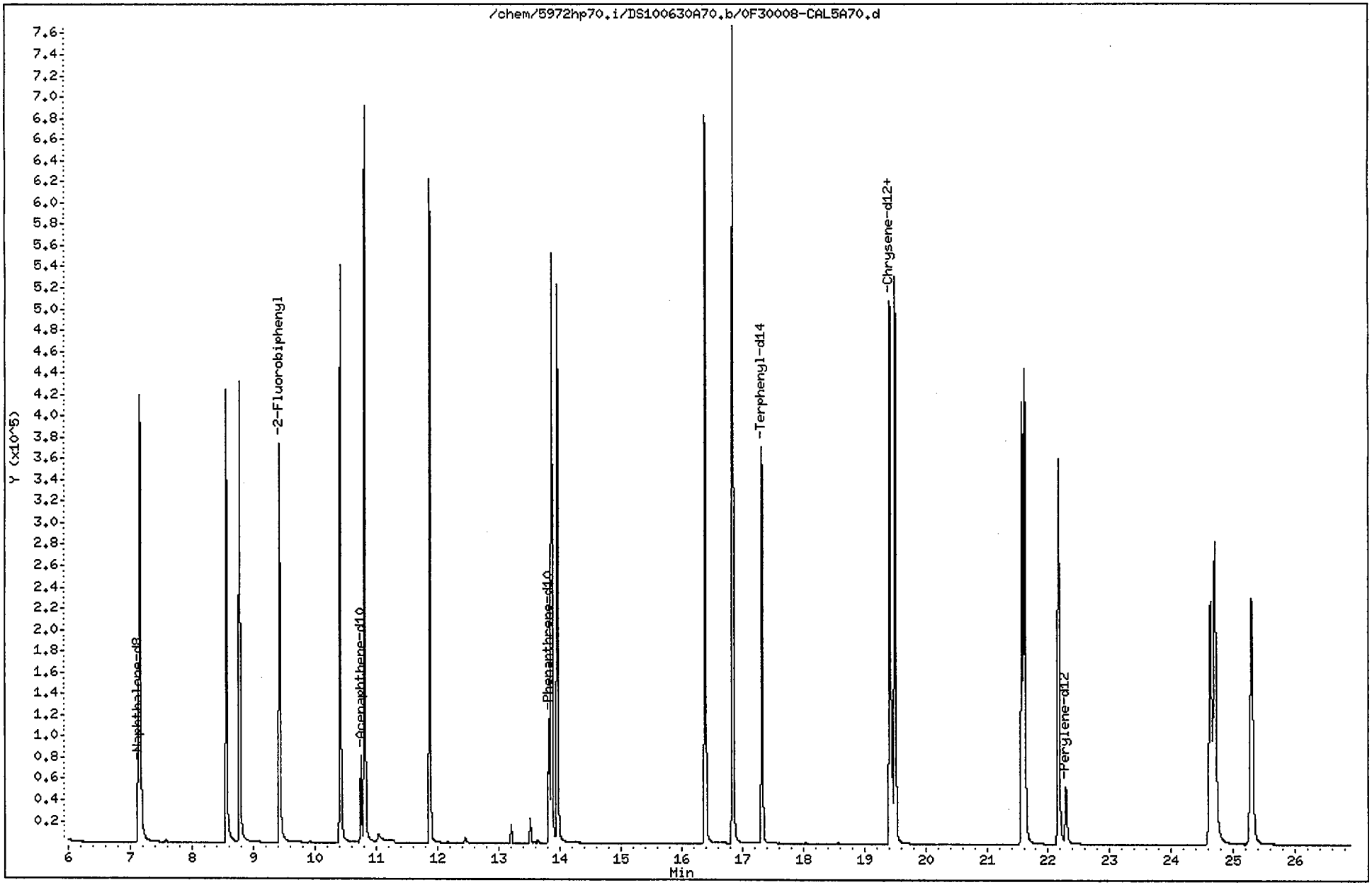
Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL4A70.d
Injection Date: 30-JUN-2010 14:57
Instrument: 5972hp70.i
Client Sample ID: SSTD005Z4

Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL5A70.d
Date : 30-JUN-2010 15:33
Client ID: SSTD010Z4
Instrument: 5972hp70.i
Sample Info: SSTD010Z4:MEW
Volume Injected (uL): 2.0
Operator: MEW
Column phase: Rtx-5MS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL5A70.d
Report Date: 01-Jul-2010 13:45

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630A70.b/0F30008-CAL5A70.d
Lab Smp Id: 0F30008-CAL5 Client Smp ID: SSTD010Z4
Inj Date : 30-JUN-2010 15:33
Operator : MEW Inst ID: 5972hp70.i
Smp Info : SSTD010Z4:MEW
Misc Info : SSTD010Z4
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Meth Date : 01-Jul-2010 13:45 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)	
*	1 1,4-Dichlorobenzene-d4	152	4.822	4.822	(1.000)	25242	2.00000		
*	2 Naphthalene-d8	136	7.129	7.129	(1.000)	95948	2.00000		
*	3 Acenaphthene-d10	164	10.757	10.757	(1.000)	62816	2.00000		
*	4 Phenanthrene-d10	188	13.829	13.829	(1.000)	138127	2.00000		
*	5 Chrysene-d12	240	19.454	19.454	(1.000)	118172	2.00000		
*	6 Perylene-d12	264	22.287	22.287	(1.000)	93129	2.00000		
$	9 Nitrobenzene-d5	82	5.849	5.849	(0.820)	348070	10.0000	11(A)	
$	10 2-Fluorobiphenyl	172	9.428	9.428	(0.876)	446590	10.0000	10(A)	
$	12 Terphenyl-d14	244	17.326	17.326	(0.891)	434014	10.0000	10(A)	
	13 Naphthalene	128	7.160	7.160	(1.004)	605467	10.0000	9.9	
	15 2-Methylnaphthalene	141	8.564	8.564	(1.201)	306025	10.0000	11(A)	
	17 Acenaphthylene	152	10.415	10.415	(0.968)	637345	10.0000	11(A)	
	18 Acenaphthene	154	10.816	10.816	(1.005)	377909	10.0000	10(A)	
	21 Fluorene	166	11.879	11.879	(1.104)	483335	10.0000	10(A)	
	25 Phenanthrene	178	13.873	13.873	(1.003)	733885	10.0000	9.7	

Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL5A70.d
Report Date: 01-Jul-2010 13:45

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
26 Anthracene	178	13.966	13.966	(1.010)	716835	10.0000	10(A)
27 Fluoranthene	202	16.399	16.399	(1.186)	797592	10.0000	11(A)
28 Pyrene	202	16.854	16.854	(0.866)	869074	10.0000	10(A)
29 Benzo(a)anthracene	228	19.419	19.419	(0.998)	692038	10.0000	11(A)
30 Chrysene	228	19.507	19.507	(1.003)	732314	10.0000	9.9
31 Benzo(b)fluoranthene	252	21.577	21.577	(0.968)	624537	10.0000	11(A)
32 Benzo(k)fluoranthene	252	21.621	21.621	(0.970)	690394	10.0000	10(A)
33 Benzo(a)pyrene	252	22.168	22.168	(0.995)	583987	10.0000	11(A)
34 Indeno(1,2,3-cd)pyrene	276	24.626	24.626	(1.105)	477815	10.0000	10
35 Dibenzo(a,h)anthracene	278	24.697	24.697	(1.108)	511498	10.0000	11(A)
36 Benzo(g,h,i)perylene	276	25.288	25.288	(1.135)	525276	10.0000	10(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/5972hp70.i/DS100630A70.b/SRC100630A70.d
Report Date: 01-Jul-2010 15:25

CompuChem

RECOVERY REPORT

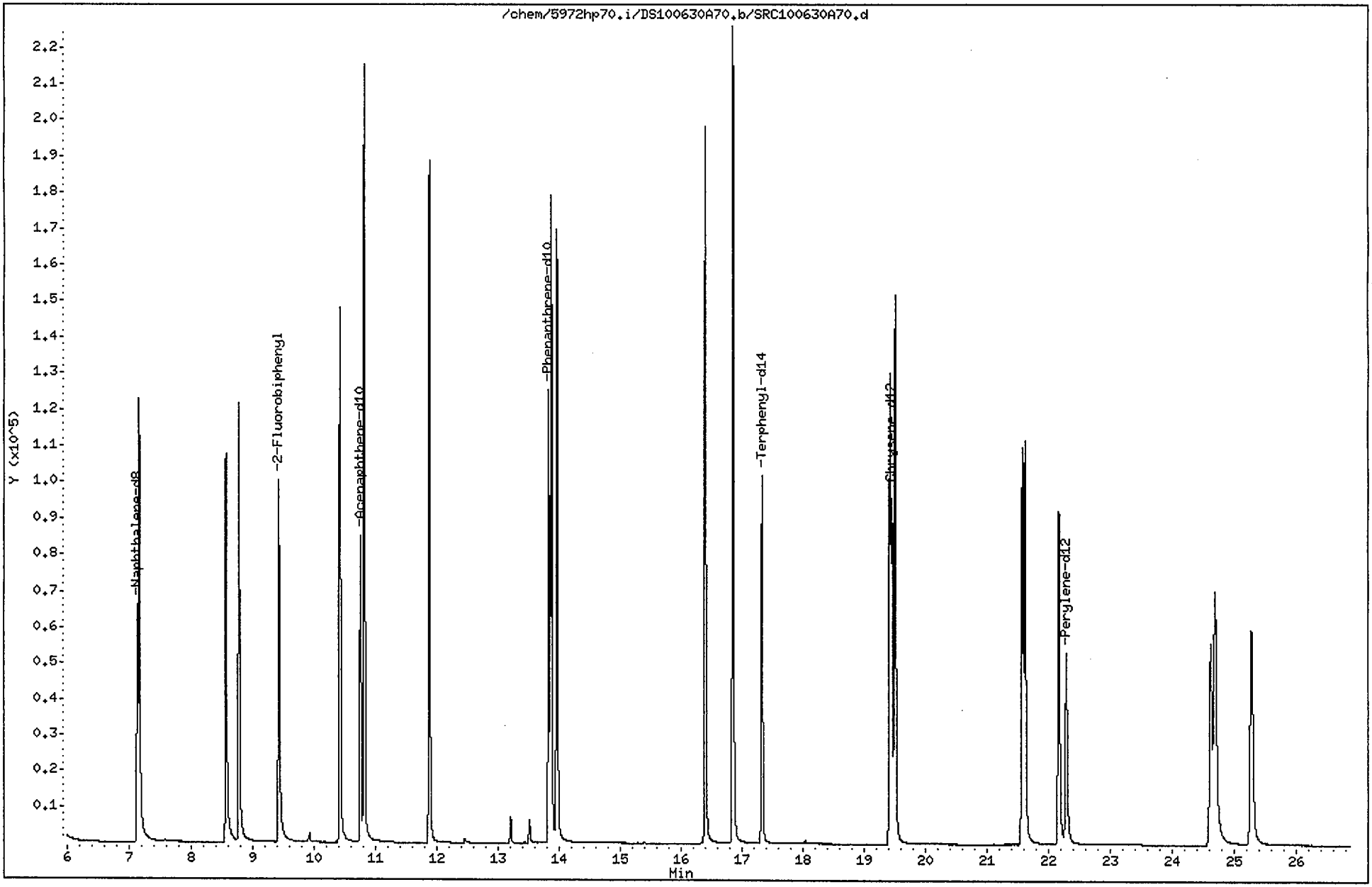
Client Name:
Client SDG: DS100630A70
Sample Matrix: LIQUID
Fraction: SV
Lab Smp Id: SSTD003VAL
Client Smp ID: SSTD003VAL
Level: LOW
Operator: MEW
Data Type: MS DATA
SampleType: LCS
SpikeList File: 2ndsourceSIM.spk
Quant Type: ISTD
Sublist File: ICALPAH.sub
Method File: /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Misc Info: SSTD003VAL

SPIKE COMPOUND	AMOUNT ADDED NG	AMOUNT RECOVERED NG	% RECOVERED	LIMITS
13 Naphthalene	3.0	2.9	96.47	80-120
14 Hexachlorobutadie	0.0030	0.0	*	80-120
15 2-Methylnaphthalen	3.0	3.0	99.56	80-120
16 1-Methylnaphthale	0.0030	0.0	*	80-120
17 Acenaphthylene	3.0	3.0	99.50	80-120
18 Acenaphthene	3.0	2.9	97.53	80-120
20 4-Nitrophenol	0.0080	0.0	*	80-120
21 Fluorene	3.0	3.0	99.80	80-120
23 Hexachlorobenzene	0.0080	0.0	*	80-120
24 Pentachlorophenol	0.0080	0.0	*	80-120
25 Phenanthrene	3.0	2.9	96.85	80-120
26 Anthracene	3.0	3.1	104.43	80-120
27 Fluoranthene	3.0	3.0	98.76	80-120
28 Pyrene	3.0	3.0	100.09	80-120
29 Benzo(a)anthracene	3.0	2.8	94.89	80-120
30 Chrysene	3.0	2.9	96.05	80-120
31 Benzo(b)fluoranthe	3.0	2.8	93.34	80-120
32 Benzo(k)fluoranthe	3.0	3.0	99.19	80-120
33 Benzo(a)pyrene	3.0	3.0	98.43	80-120
34 Indeno(1,2,3-cd)py	3.0	2.6	87.57	80-120
35 Dibenzo(a,h)anthra	3.0	3.0	98.74	80-120
36 Benzo(g,h,i)peryle	3.0	2.8	92.40	80-120

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 9 Nitrobenzene-d5	1.5	1.4	96.54	40-110
$ 10 2-Fluorobiphenyl	1.5	1.5	97.78	50-110
$ 12 Terphenyl-d14	1.5	1.5	98.45	50-135

Data File: /chem/5972hp70.i/DS100630A70.b/SRC100630A70.d
Date : 30-JUN-2010 16:09
Client ID: SSTD003VAL
Sample Info: SSTD003VAL:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630A70.b/SRC100630A70.d
Report Date: 01-Jul-2010 13:50

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630A70.b/SRC100630A70.d
Lab Smp Id: SSTD003VAL Client Smp ID: SSTD003VAL
Inj Date : 30-JUN-2010 16:09
Operator : MEW Inst ID: 5972hp70.i
Smp Info : SSTD003VAL:MEW
Misc Info : SSTD003VAL
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Meth Date : 01-Jul-2010 13:49 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 7 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
*	1 1,4-Dichlorobenzene-d4	152	4.824	4.822	(1.000)	26203	2.00000	
*	2 Naphthalene-d8	136	7.131	7.129	(1.000)	99076	2.00000	
*	3 Acenaphthene-d10	164	10.756	10.757	(1.000)	67275	2.00000	
*	4 Phenanthrene-d10	188	13.828	13.829	(1.000)	150685	2.00000	
*	5 Chrysene-d12	240	19.453	19.454	(1.000)	120785	2.00000	
*	6 Perylene-d12	264	22.287	22.287	(1.000)	96276	2.00000	
$	9 Nitrobenzene-d5	82	5.856	5.849	(0.821)	92859	2.89628	1.4
$	10 2-Fluorobiphenyl	172	9.427	9.428	(0.876)	136005	2.93336	1.5
$	12 Terphenyl-d14	244	17.328	17.326	(0.891)	126985	2.95353	1.5
	13 Naphthalene	128	7.162	7.160	(1.004)	183113	2.89421	1.4
	15 2-Methylnaphthalene	141	8.563	8.564	(1.201)	89057	2.98674	1.5
	17 Acenaphthylene	152	10.421	10.415	(0.969)	189460	2.98502	1.5
	18 Acenaphthene	154	10.815	10.816	(1.005)	117844	2.92596	1.5
	21 Fluorene	166	11.879	11.879	(1.104)	151488	2.99388	1.5
	25 Phenanthrene	178	13.872	13.873	(1.003)	238958	2.90545	1.5

Data File: /chem/5972hp70.i/DS100630A70.b/SRC100630A70.d
Report Date: 01-Jul-2010 13:50

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
26 Anthracene	178	13.965	13.966	(1.010)	236426	3.13277	1.6
27 Fluoranthene	202	16.397	16.399	(1.186)	239279	2.96286	1.5
28 Pyrene	202	16.851	16.854	(0.866)	262103	3.00271	1.5
29 Benzo(a)anthracene	228	19.418	19.419	(0.998)	181036	2.84661	1.4
30 Chrysene	228	19.502	19.507	(1.002)	218162	2.88158	1.4
31 Benzo(b)fluoranthene	252	21.572	21.577	(0.968)	157762	2.80018	1.4
32 Benzo(k)fluoranthene	252	21.617	21.621	(0.970)	207353	2.97559	1.5
33 Benzo(a)pyrene	252	22.163	22.168	(0.994)	157148	2.95292	1.5
34 Indeno(1,2,3-cd)pyrene	276	24.618	24.626	(1.105)	121591	2.62706	1.3 (M)
35 Dibenzo(a,h)anthracene	278	24.693	24.697	(1.108)	139412	2.96227	1.5
36 Benzo(g,h,i)perylene	276	25.276	25.288	(1.134)	144199	2.77194	1.4

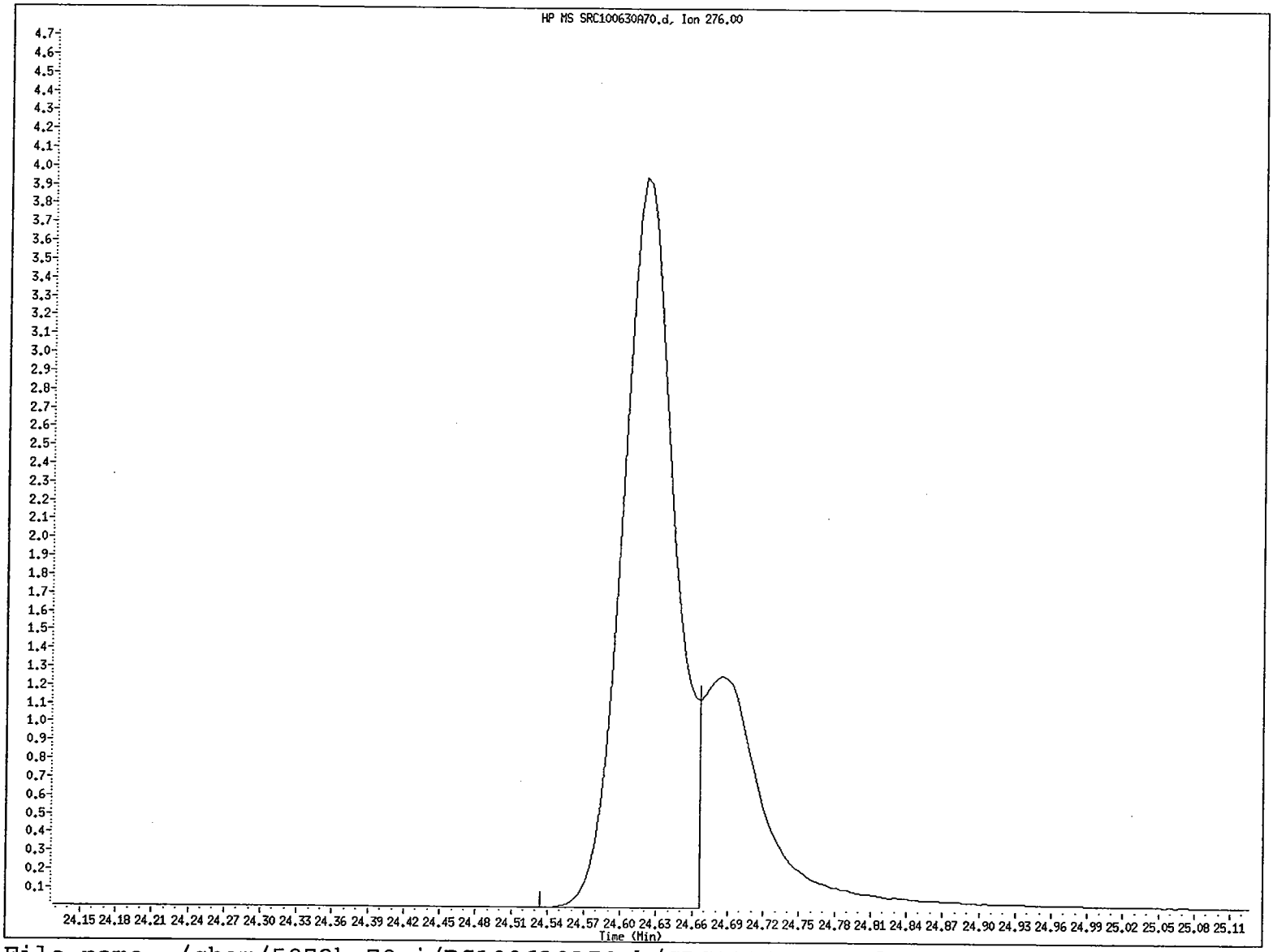
7/1/10

pw 7/1/10

QC Flag Legend

M - Compound response manually integrated.

Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 121591 Manually integrated



File name: /chem/5972hp70.i/DS100630A70.b/SRC100630A70.d
Client ID: SSTD003VAL
Instrument ID: 5972hp70.i
Injection Date and Time: 30-JUN-2010 16:09
Retention Time: 24.62
Operator ID: MEW

COMPUCHEM a Division of Liberty Analytical Corp
GC/MS SEMIVOLATILE RUN LOG
LOGBOOK 4U(4) 21 (5972hp70)

DATE 6/30/10 INITIAL TIME OF TUNE 1204 SHIFT/S (A) X (B)____ (C)____
TIME TUNE EXPIRES 0004
METHOD: 625 (8270C) 8270D OLC03.2 OLM04.3 SOM01.2 (Circle One) or Other: PAH SIM: (Y)/N)
PREVENTIVE MAINTENANCE None

	SEQUENCE#	REVIEWED	FILENAME	REVIEWED	DATE	TIME	CLIENT ID	SDG#	AMOUNT INJECTED	CHEMIST	COMMENTS
1	OF30008		NA		6/30/10	1204	FC43	—	2uL	2730	SCD=LCD
2	S100630A		AScan A70		/ /	1228	SSTD003	—			
3			OF30008-Cal1		/ /	1311	SSTD 0.4 Z4	—			OE18005 8-18-10
4			Cal2		/ /	1346	1.2	—			OE18006
5			Cal3		/ /	1422	003	—			OF18002
6			Cal4		/ /	1457	005	—			OE18009
7			Cal5		/ /	1533	010	—			OE18010
8			SRC100630		/ /	1609	SSTD003VAL	—			OE26005 8-26-10
9			0060203-BLK1A70		/ /	1748	SBLKE1	1005134			
10			↓ -BS1		/ /	1828	SE1LCS				
11			1005134-18R		/ /	1904	SB44-5-6RE				
12			0060203-MS1		/ /	1939	MS				
13			↓ MSD1		/ /	2015	MSD				
14			1005134-06R		/ /	2050	SS33-0-1RE				
15			07R		/ /	2126	SB33-4-5RE				
16			08R		/ /	2201	SB31-5-6RE				
17			09R		/ /	2237	SS31-0-1RE				
18			10R		/ /	2312	SS32-0-1RE				
19					/ /						
20					/ /						
21					/ /						
22					/ /						
23					/ /						
24					/ /						B 6-30-10

DFTPP Lot #/Exp. Date: NA
Calibration STD Lot#/Exp. Date: See comments
Internal STD Lot#/Exp. Date: 040 DF18001 11-18-10
Methylene Chloride Lot#/Exp. Date: JT7500 6-8-15
Column Type: RTX-5ms 0.32mm

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

REVIEWED BY: B DATE 6-30-10

b. Continuing Calibration Data (Form VII SV)

If more than one instrument is used, forms shall be arranged in order by instrument. If multiple continuing calibrations from the same instrument are used, they shall be in chronological order.

(1) Chromatograms and quantitation reports for all continuing (12-hour) calibrations. Spectra not required.

(2) EICPs displaying each manual integration.

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: 5972HP66 Calibration Date: 05/25/10 Time: 1842

Lab File ID: 0E25012-CCV1A6 Init. Calib. Date(s): 05/25/10 05/25/10

Init. Calib. Times: 0601 0816

GC Column: RTX-5MS ID: 0.32 (mm)

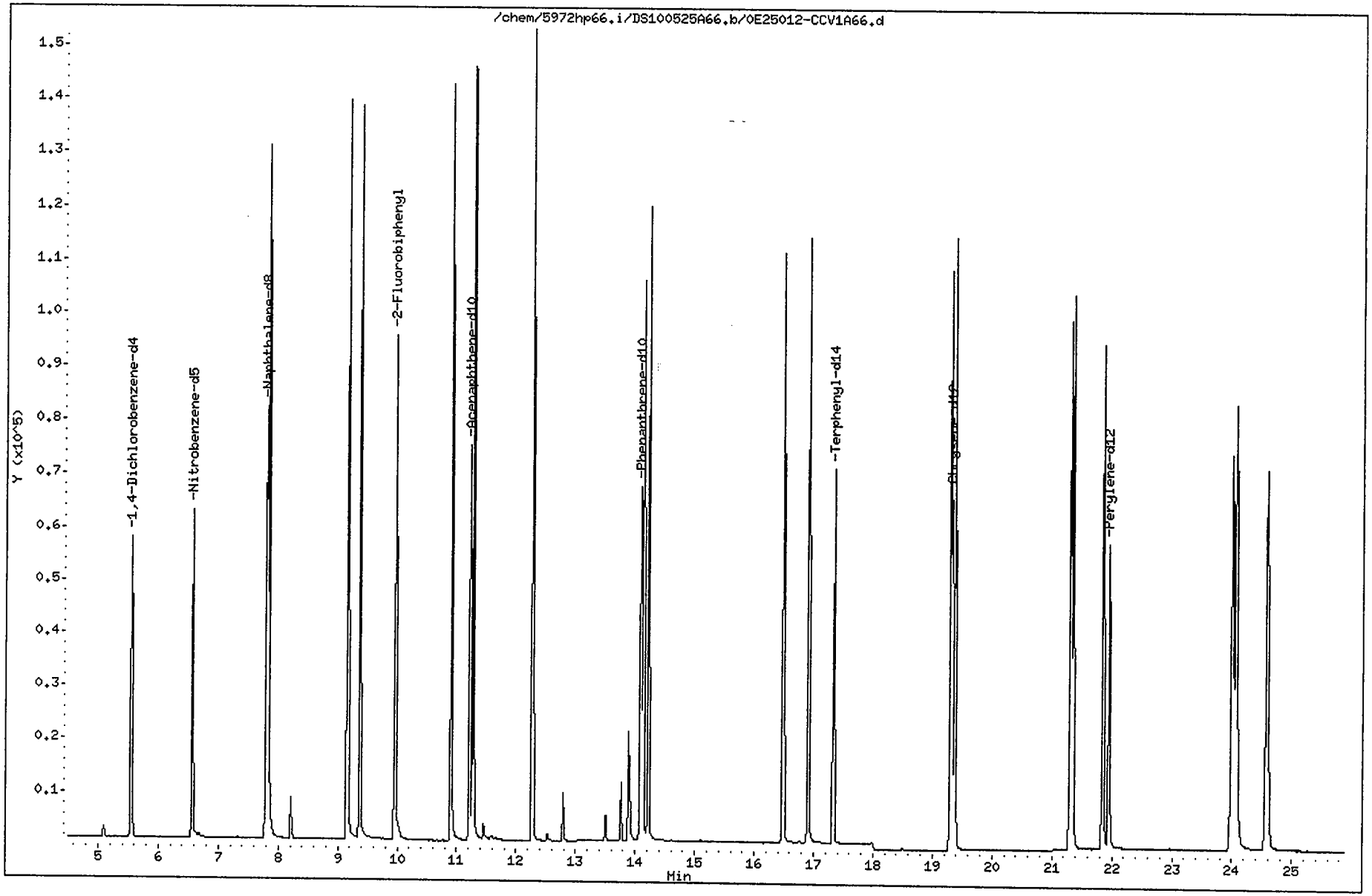
COMPOUND	RRF OR AMOUNT	RRF3.0000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Naphthalene	1.2370000	1.1463900	0.01	-7.32	50.00	AVRG
2-Methylnaphthalene	1.4320000	1.2680212	0.01	-11.45	50.00	AVRG
Acenaphthylene	2.2340000	2.0224530	0.01	-9.47	50.00	AVRG
Acenaphthene	1.3090000	1.2063859	0.01	-7.84	20.00	AVRG
Fluorene	0.9360000	0.7949120	0.01	-15.07	50.00	AVRG
Phenanthrene	1.2470000	1.1386028	0.01	-8.69	50.00	AVRG
Anthracene	1.1220000	1.0338048	0.01	-7.86	50.00	AVRG
Fluoranthene	1.3260000	1.1479582	0.01	-13.43	20.00	AVRG
Pyrene	1.4440000	1.2732041	0.01	-11.83	50.00	AVRG
Benzo(a)anthracene	1.0870000	1.0166479	0.01	-6.47	50.00	AVRG
Chrysene	1.1770000	1.1051091	0.01	-6.11	50.00	AVRG
Benzo(b)fluoranthene	1.3190000	1.1462629	0.01	-13.10	50.00	AVRG
Benzo(k)fluoranthene	1.4190000	1.3341629	0.01	-5.98	50.00	AVRG
Benzo(a)pyrene	1.1890000	1.0756945	0.01	-9.53	20.00	AVRG
Indeno(1,2,3-cd)pyrene	1.0490000	1.0061216	0.01	-4.09	50.00	AVRG
Dibenzo(a,h)anthracene	1.0370000	0.9752954	0.01	-5.95	50.00	AVRG
Benzo(g,h,i)perylene	1.1620000	1.0873700	0.01	-6.42	50.00	AVRG
Nitrobenzene-d5	0.4450000	0.4106461	0.01	-7.72	50.00	AVRG
2-Fluorobiphenyl	2.0870000	2.0342292	0.01	-2.53	50.00	AVRG
Terphenyl-d14	0.7270000	0.6551856	0.01	-9.88	50.00	AVRG

FORM VII SV

Data File: /chem/5972hp66.i/DS100525A66.b/0E25012-CCV1A66.d
Date : 25-MAY-2010 18:42
Client ID: SSTD3.00IL
Sample Info: SSTD3.00IL:2730
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i

Operator: 2730
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100525A66.b/0E25012-CCV1A66.d
Report Date: 03-Jun-2010 10:56

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100525A66.b/0E25012-CCV1A66.d
Lab Smp Id: 0E25012-CCV1 Client Smp ID: SSTD3.00IL
Inj Date : 25-MAY-2010 18:42
Operator : 2730 Inst ID: 5972hp66.i
Smp Info : SSTD3.00IL:2730
Misc Info : SSTD3.00IL
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100525A66.b/SIM_8270Cv2DOD.m
Meth Date : 03-Jun-2010 10:56 henning Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	5.548	5.548	(1.000)	32289	2.00000	
*	2 Naphthalene-d8	136	7.803	7.803	(1.000)	112116	2.00000	
*	3 Acenaphthene-d10	164	11.218	11.218	(1.000)	52762	2.00000	
*	4 Phenanthrene-d10	188	14.086	14.086	(1.000)	93685	2.00000	
*	5 Chrysene-d12	240	19.327	19.327	(1.000)	85416	2.00000	
*	6 Perylene-d12	264	21.951	21.951	(1.000)	76342	2.00000	
$	9 Nitrobenzene-d5	82	6.565	6.565	(0.841)	69060	3.00000	2.8
$	10 2-Fluorobiphenyl	172	9.967	9.967	(0.888)	160995	3.00000	2.9
$	12 Terphenyl-d14	244	17.333	17.333	(0.897)	83945	3.00000	2.7
	13 Naphthalene	128	7.829	7.829	(1.003)	192793	3.00000	2.8
	15 2-Methylnaphthalene	141	9.159	9.159	(0.816)	100355	3.00000	2.7
	17 Acenaphthylene	152	10.905	10.905	(0.972)	160063	3.00000	2.7
	18 Acenaphthene	154	11.283	11.283	(1.006)	95477	3.00000	2.8
	21 Fluorene	166	12.273	12.273	(0.871)	111707	3.00000	2.5
	25 Phenanthrene	178	14.139	14.139	(1.004)	160005	3.00000	2.7

6/3/10 MK

Data File: /chem/5972hp66.i/DS100525A66.b/0E25012-CCV1A66.d
Report Date: 03-Jun-2010 10:56

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	14.217	14.217	(1.009)	145278	3.00000	2.8
27 Fluoranthene	202	16.485	16.485	(0.853)	147081	3.00000	2.6
28 Pyrene	202	16.916	16.916	(0.875)	163128	3.00000	2.6
29 Benzo(a)anthracene	228	19.292	19.292	(0.998)	130257	3.00000	2.8
30 Chrysene	228	19.370	19.370	(1.002)	141591	3.00000	2.8
31 Benzo(b)fluoranthene	252	21.298	21.298	(0.970)	131262	3.00000	2.6
32 Benzo(k)fluoranthene	252	21.341	21.341	(0.972)	152779	3.00000	2.8
33 Benzo(a)pyrene	252	21.842	21.842	(0.995)	123181	3.00000	2.7
34 Indeno(1,2,3-cd)pyrene	276	23.997	23.997	(1.093)	115214	3.00000	2.9
35 Dibenzo(a,h)anthracene	278	24.062	24.062	(1.096)	111684	3.00000	2.8
36 Benzo(g,h,i)perylene	276	24.585	24.585	(1.120)	124518	3.00000	2.8

COMPUCHEM a Division of Liberty Analytical Corp
GC/MS SEMIVOLATILE RUN LOG
LOGBOOK 4X(4) 21 (5972hp66)

DATE 5/25/10 INITIAL TIME OF TUNE 1839 SHIFT/S (A) X (B)____ (C)____
TIME TUNE EXPIRES 0639
METHOD: 625 8270C 8270D OLC03.2 OLM04.3 SOM01.2 (Circle One) or Other: PAH SIM (Y)N)
PREVENTIVE MAINTENANCE None

	SEQUENCE#	REJECTED	FILENAME	REPORTED	DATE	TIME	CLIENT ID	SDG#	AMOUNT INJECTED	CHEMIST	COMMENTS
1	0E25012		NA		5/25/10	1839	FC-43	—	NA	2730	SCO = CCO
2	DS100525A66		0E25012-CCV1A66	/	/ /	1842	5STD 3.00 1L	—	2µL		
3		/	1005158-035A66	1H	/ /	1918	AOC8-MW-36	1005158	2µL		
4			045A66	/	/ /	1952	ER051910		2µL		JS
5			055A66	/	/ /	2026	AOC8-MW-37		2µL		
6		/	0051920-BLK1A66	1H SL	/ /	2100	SBLKBP	VARIOUS	2µL		
7		/	-BS1A66	1H	/ /	2134	SBPLCS				
8			-BSD1A66	/	5/26/10	0005	SBPLCSD				
9		/	1005133-01A66	1H	/ /	0039	SS73-0-1	1005133			
10		/	0051920-MS2A66	1H	/ /	0116	SS73-0-1-MS	1005134			
11		/	-MSD2A66	1H	/ /	0219	SS73-0-1-MSD				
12			1005134-01A66	/	/ /	0253	SS02-0-1				
13			-02A66	/	/ /	0327	SS02D-0-1				
14		/	-03A66	1H	/ /	0401	SB02-5-6				
15		/	-04A66	1H	/ /	0503	SB02D-5-6				
16		/	-05A66	1H	/ /	0537	SB05-7-8				
17					/ /						
18	—				/ /						
19					/ /		MW 5/26/10				
20					/ /						
21					/ /						
22					/ /						
23					/ /						
24					/ /						

DFTPP Lot #/Exp. Date: NA
Calibration STD Lot#/Exp. Date: FullSim0E18067 8-18-10
Internal STD Lot#/Exp. Date: 040 0E18001 10-2-10
Methylene Chloride Lot#/Exp. Date: J16504 4-21-15
Column Type: FTX-5ms 0.32mm

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

REVIEWED BY: TMP DATE 5/26/10
6/01/09:jr

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: 5972HP66 Calibration Date: 05/26/10 Time: 0611

Lab File ID: 0E26002-CCV1C6 Init. Calib. Date(s): 05/25/10 05/25/10

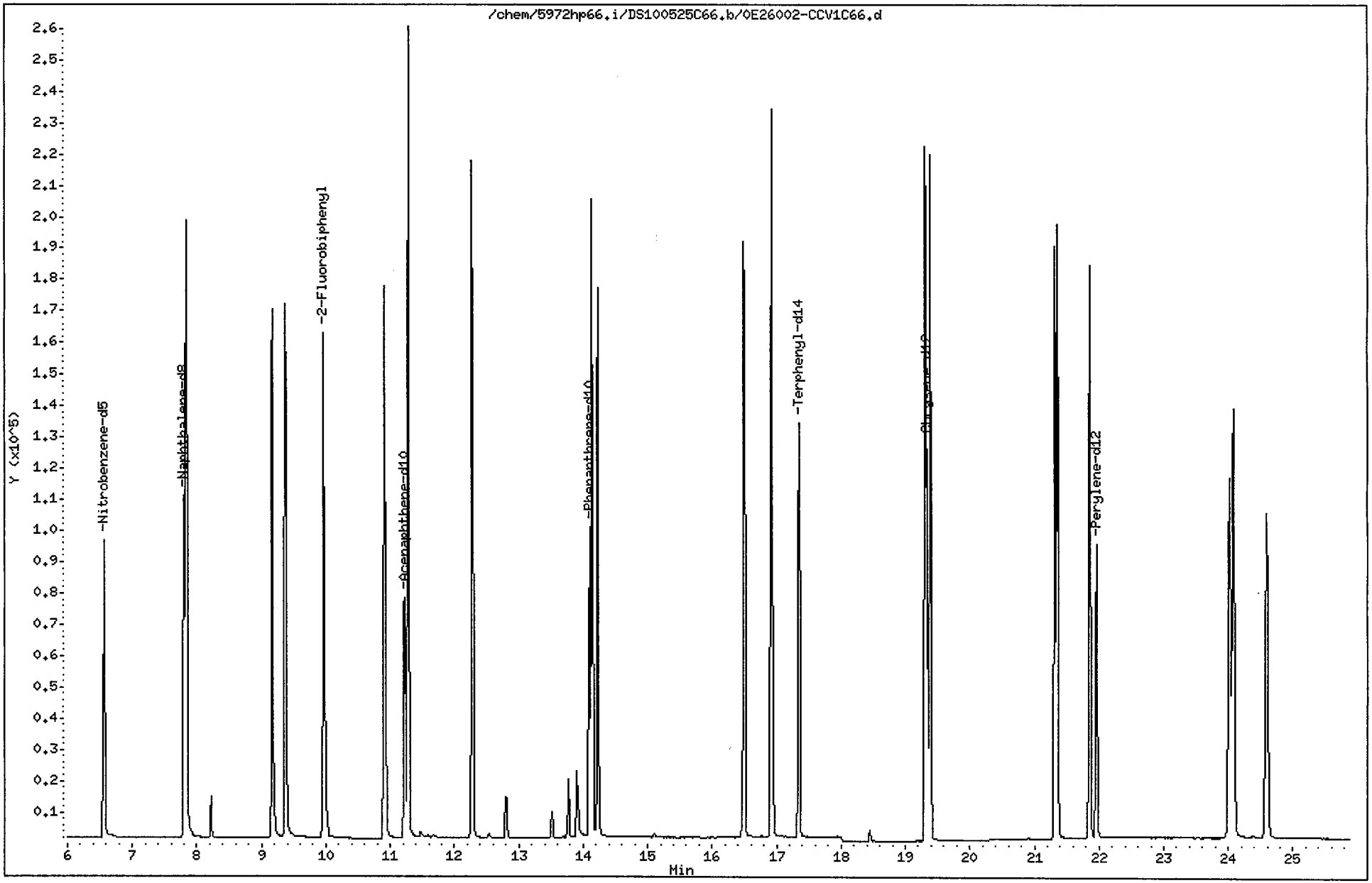
Init. Calib. Times: 0601 0816

GC Column: RTX-5MS ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF3.0000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Naphthalene	1.2370000	1.2286114	0.01	-0.68	50.00	AVRG
2-Methylnaphthalene	1.4320000	1.4005743	0.01	-2.19	50.00	AVRG
Acenaphthylene	2.2340000	2.4216454	0.01	8.40	50.00	AVRG
Acenaphthene	1.3090000	1.3608710	0.01	3.96	20.00	AVRG
Fluorene	0.9360000	0.8282801	0.01	-11.51	50.00	AVRG
Phenanthrene	1.2470000	1.2440963	0.01	-0.23	50.00	AVRG
Anthracene	1.1220000	1.1797225	0.01	5.14	50.00	AVRG
Fluoranthene	1.3260000	1.1893866	0.01	-10.30	20.00	AVRG
Pyrene	1.4440000	1.2901599	0.01	-10.65	50.00	AVRG
Benzo(a)anthracene	1.0870000	1.1739389	0.01	8.00	50.00	AVRG
Chrysene	1.1770000	1.1774548	0.01	0.04	50.00	AVRG
Benzo(b)fluoranthene	1.3190000	1.3306840	0.01	0.88	50.00	AVRG
Benzo(k)fluoranthene	1.4190000	1.4426405	0.01	1.66	50.00	AVRG
Benzo(a)pyrene	1.1890000	1.2297831	0.01	3.43	20.00	AVRG
Indeno(1,2,3-cd)pyrene	1.0490000	0.9538896	0.01	-9.07	50.00	AVRG
Dibenzo(a,h)anthracene	1.0370000	0.9103258	0.01	-12.22	50.00	AVRG
Benzo(g,h,i)perylene	1.1620000	0.9309410	0.01	-19.88	50.00	AVRG
Nitrobenzene-d5	0.4450000	0.4903301	0.01	10.19	50.00	AVRG
2-Fluorobiphenyl	2.0870000	2.2582557	0.01	8.20	50.00	AVRG
Terphenyl-d14	0.7270000	0.6907753	0.01	-4.98	50.00	AVRG

FORM VII SV

Data File: /chem/5972hp66.i/DS100525C66.b/0E26002-CCV1C66.d
Date : 26-MAY-2010 06:11
Client ID: SSTD3.00IM
Instrument: 5972hp66.i
Sample Info: SSTD3.00IM:2743
Volume Injected (uL): 2.0
Operator: 2743
Column phase: Rtx-5MS
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100525C66.b/0E26002-CCV1C66.d
Report Date: 26-May-2010 06:50

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100525C66.b/0E26002-CCV1C66.d
Lab Smp Id: 0E26002-CCV1 Client Smp ID: SSTD3.00IM
Inj Date : 26-MAY-2010 06:11
Operator : 2743 Inst ID: 5972hp66.i
Smp Info : SSTD3.00IM:2743
Misc Info : SSTD3.00IM
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100525C66.b/SIM_8270Cv2DOD.m
Meth Date : 26-May-2010 06:49 mweichel Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	5.560	5.560	(1.000)	41032	2.00000	
*	2 Naphthalene-d8	136	7.802	7.802	(1.000)	146916	2.00000	
*	3 Acenaphthene-d10	164	11.231	11.231	(1.000)	68609	2.00000	
*	4 Phenanthrene-d10	188	14.101	14.101	(1.000)	134040	2.00000	
*	5 Chrysene-d12	240	19.336	19.336	(1.000)	157952	2.00000	
*	6 Perylene-d12	264	21.961	21.961	(1.000)	126573	2.00000	
$	9 Nitrobenzene-d5	82	6.563	6.563	(0.841)	108056	3.00000	3.3
$	10 2-Fluorobiphenyl	172	9.966	9.966	(0.887)	232405	3.00000	3.2
$	12 Terphenyl-d14	244	17.347	17.347	(0.897)	163664	3.00000	2.9
	13 Naphthalene	128	7.841	7.841	(1.005)	270754	3.00000	3.0
	15 2-Methylnaphthalene	141	9.170	9.170	(0.817)	144138	3.00000	2.9
	17 Acenaphthylene	152	10.918	10.918	(0.972)	249220	3.00000	3.3
	18 Acenaphthene	154	11.283	11.283	(1.005)	140052	3.00000	3.1
	21 Fluorene	166	12.273	12.273	(0.870)	166534	3.00000	2.7
	25 Phenanthrene	178	14.140	14.140	(1.003)	250138	3.00000	3.0

MW 5/26/10

Data File: /chem/5972hp66.i/DS100525C66.b/0E26002-CCV1C66.d
Report Date: 26-May-2010 06:50

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	14.231	14.231	(1.009)	237195	3.00000	3.2
27 Fluoranthene	202	16.500	16.500	(0.853)	281799	3.00000	2.7
28 Pyrene	202	16.917	16.917	(0.875)	305675	3.00000	2.7
29 Benzo(a)anthracene	228	19.301	19.301	(0.998)	278139	3.00000	3.2
30 Chrysene	228	19.379	19.379	(1.002)	278972	3.00000	3.0
31 Benzo(b)fluoranthene	252	21.308	21.308	(0.970)	252643	3.00000	3.0
32 Benzo(k)fluoranthene	252	21.352	21.352	(0.972)	273899	3.00000	3.0
33 Benzo(a)pyrene	252	21.853	21.853	(0.995)	233486	3.00000	3.1
34 Indeno(1,2,3-cd)pyrene	276	24.008	24.008	(1.093)	181105	3.00000	2.7
35 Dibenzo(a,h)anthracene	278	24.073	24.073	(1.096)	172834	3.00000	2.6
36 Benzo(g,h,i)perylene	276	24.595	24.595	(1.120)	176748	3.00000	2.4

MW 5/26/10

COMPUCHEM a Division of Liberty Analytical Corp
GC/MS SEMIVOLATILE RUN LOG
LOGBOOK 4X(4) 21 (5972hp66)

DATE 5/26/10 INITIAL TIME OF TUNE 0609 SHIFT/S (A) ____ (B) ____ (C) ✓
TIME TUNE EXPIRES 1809
METHOD: 625 8270C 8270D OLC03.2 OLM04.3 SOM01.2 (Circle One) or Other: PAH SIM: (Y/N)
PREVENTIVE MAINTENANCE none

	SEQUENCE#	REJECTED	FILENAME	REINJECTED	DATE	TIME	CLIENT ID	SDG#	AMOUNT INJECTED	CHEMIST	COMMENTS
1	OE26002		N/A	/	5/26/10	0609	FC43	—	N/A	2743	SCD=LCD
2	S100525C		OE26002-CCV1066	/		0611	SSTD3.00IM	—	2µL		
3			0051920-BLK1JC666	/		0647	SBLKBP	VARIOUS			
4			BS1JC66	/		0721	SBPLCS	VARIOUS			
5		/	MS2JC66	JF		0755	SS73-0-1MS	1005133			surr ok
6		/	MSD2JC666	SF		0829	SS73-0-1MSD				surr ok
7			1005133-01JC66	/		0903	SS73-0-1				
8			1005131-04J2C666	/		0937	BBE-FB051810	1005131			
9			1005134-03JC66	/		1011	SB02-5-6	1005134			
10			1005134-04JC66	/		1045	SB02D-5-6				
11			1005134-05JC66	/		1119	SB05-7-8				
12		/	1005132-01C66	1H		1153	SB85-1.5-2.5	1005132			prepped wrong
13		/	0051920-MS1C66	SF/SH		1227	SB85-1.5-2.5MS				
14		/	-MSD1C666	1H		1301	SB85-1.5-2.5MSD				
15			-MS1JC666	/		1335	SB85-1.5-2.5MS				
16			1005132-02C66	/		1409	SB78-3.5-4.5				
17			03C666	1H		1443	SS77-0-1				
18			04C666	1H		1517	SB77-3.5-4.5				
19			05C66	/		1551	SS79-0-1				
20		/	06C66	1H		1625	SB79-11-12				
21		/	07C66	1H		1659	SS83-0-1				
22							ok 5/26/10				
23											
24											

DFTPP Lot #/Exp. Date: N/A
Calibration STD Lot#/Exp. Date: FULL SIM OE18007 8/18/10
Internal STD Lot#/Exp. Date: 040 OE18001 10/2/10
Methylene Chloride Lot#/Exp. Date: J10804 4/21/15
Column Type: RTX-5MS 0.32mm

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

REVIEWED BY: DMF DATE 5/28/10

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: 5972HP66 Calibration Date: 06/01/10 Time: 1329

Lab File ID: 0F01008-CCV1A6 Init. Calib. Date(s): 05/25/10 05/25/10

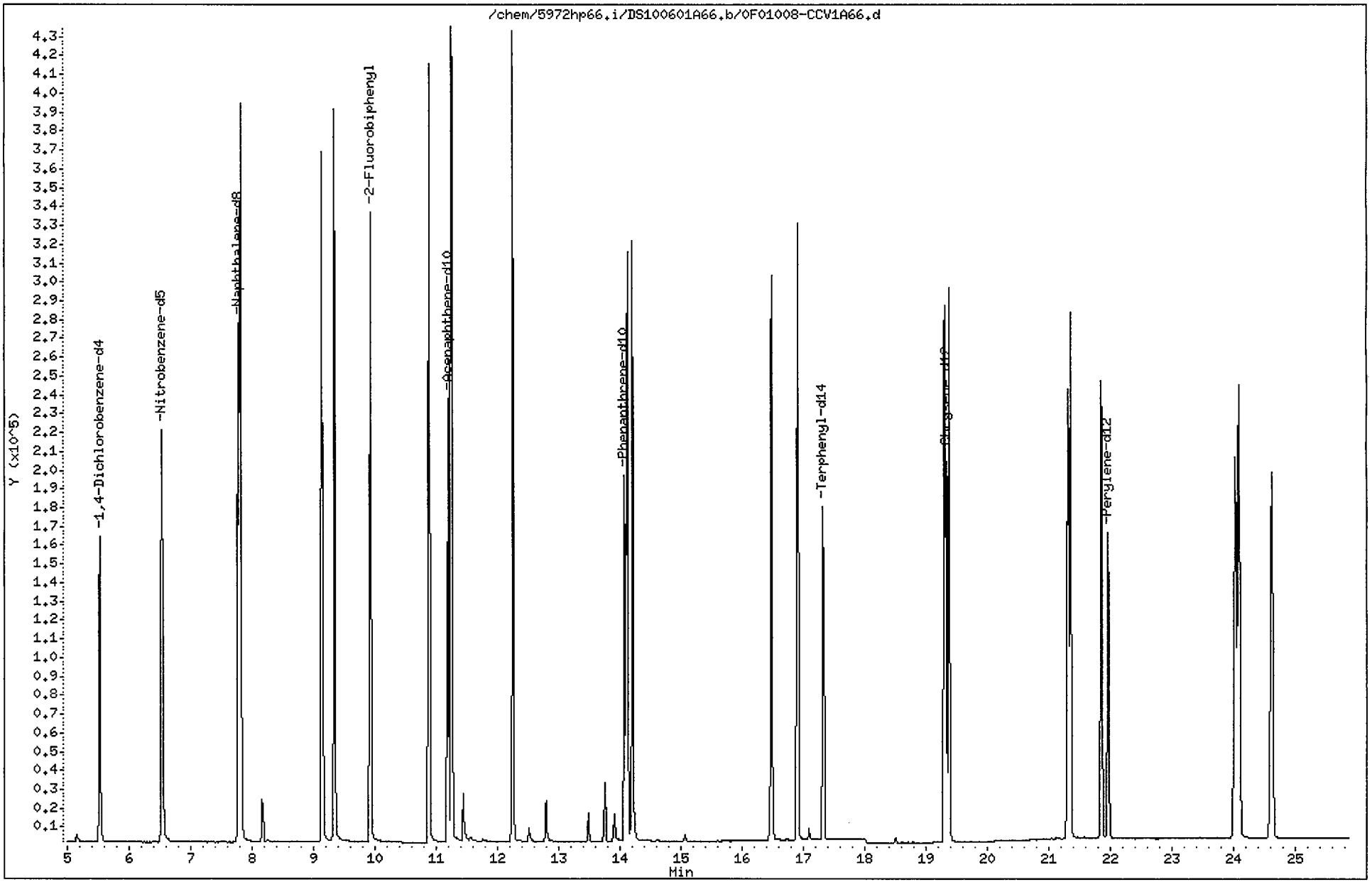
Init. Calib. Times: 0601 0816

GC Column: RTX-5MS ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF3.0000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Naphthalene	1.2370000	1.0139755	0.01	-18.03	50.00	AVRG
2-Methylnaphthalene	1.4320000	1.2736707	0.01	-11.06	50.00	AVRG
Acenaphthylene	2.2340000	2.0562784	0.01	-7.96	50.00	AVRG
Acenaphthene	1.3090000	1.1391328	0.01	-12.98	20.00	AVRG
Fluorene	0.9360000	0.7195862	0.01	-23.12	50.00	AVRG
Phenanthrene	1.2470000	1.0407265	0.01	-16.54	50.00	AVRG
Anthracene	1.1220000	1.0317862	0.01	-8.04	50.00	AVRG
Fluoranthene	1.3260000	1.1528329	0.01	-13.06	20.00	AVRG
Pyrene	1.4440000	1.2366159	0.01	-14.36	50.00	AVRG
Benzo(a)anthracene	1.0870000	1.0099356	0.01	-7.09	50.00	AVRG
Chrysene	1.1770000	1.0008213	0.01	-14.97	50.00	AVRG
Benzo(b)fluoranthene	1.3190000	1.0805733	0.01	-18.08	50.00	AVRG
Benzo(k)fluoranthene	1.4190000	1.2236184	0.01	-13.77	50.00	AVRG
Benzo(a)pyrene	1.1890000	1.0349005	0.01	-12.96	20.00	AVRG
Indeno(1,2,3-cd)pyrene	1.0490000	1.0175211	0.01	-3.00	50.00	AVRG
Dibenzo(a,h)anthracene	1.0370000	0.9349570	0.01	-9.84	50.00	AVRG
Benzo(g,h,i)perylene	1.1620000	1.0013650	0.01	-13.82	50.00	AVRG
Nitrobenzene-d5	0.4450000	0.4552874	0.01	2.31	50.00	AVRG
2-Fluorobiphenyl	2.0870000	1.5412265	0.01	-26.15	50.00	AVRG
Terphenyl-d14	0.7270000	0.6049432	0.01	-16.79	50.00	AVRG

FORM VII SV

Data File: /chem/5972hp66.i/DS100601A66.b/0F01008-CCV1A66.d
Date : 01-JUN-2010 13:29
Client ID: SSTD3.00IU
Instrument: 5972hp66.i
Sample Info: SSTD3.00IU:2650
Volume Injected (uL): 2.0
Operator: 2650
Column phase: Rtx-5MS
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100601A66.b/0F01008-CCV1A66.d
Report Date: 01-Jun-2010 14:06

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100601A66.b/0F01008-CCV1A66.d
Lab Smp Id: SSTD3.00IU Client Smp ID: SSTD3.00IU
Inj Date : 01-JUN-2010 13:29
Operator : 2650 Inst ID: 5972hp66.i
Smp Info : SSTD3.00IU:2650
Misc Info : SSTD3.00IU
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100601A66.b/SIM_8270Cv2DOD.m
Meth Date : 01-Jun-2010 14:06 perry Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
1	1,4-Dichlorobenzene-d4	152	5.531	5.531	(1.000)	103604	2.00000	
2	Naphthalene-d8	136	7.773	7.773	(1.000)	383434	2.00000	
3	Acenaphthene-d10	164	11.192	11.192	(1.000)	162715	2.00000	
4	Phenanthrene-d10	188	14.074	14.074	(1.000)	275979	2.00000	
5	Chrysene-d12	240	19.328	19.328	(1.000)	245547	2.00000	
6	Perylene-d12	264	21.960	21.960	(1.000)	214161	2.00000	
9	Nitrobenzene-d5	82	6.534	6.534	(0.841)	261859	3.00000	3.1
10	2-Fluorobiphenyl	172	9.923	9.923	(0.887)	376171	3.00000	2.2
12	Terphenyl-d14	244	17.320	17.320	(0.896)	222813	3.00000	2.5
13	Naphthalene	128	7.812	7.812	(1.005)	583189	3.00000	2.5
15	2-Methylnaphthalene	141	9.141	9.141	(0.817)	310868	3.00000	2.7
17	Acenaphthylene	152	10.880	10.880	(0.972)	501881	3.00000	2.8
18	Acenaphthene	154	11.258	11.258	(1.006)	278031	3.00000	2.6
21	Fluorene	166	12.248	12.248	(0.870)	297886	3.00000	2.3
25	Phenanthrene	178	14.126	14.126	(1.004)	430828	3.00000	2.5

TP 6/1/10

Data File: /chem/5972hp66.i/DS100601A66.b/0F01008-CCV1A66.d
Report Date: 01-Jun-2010 14:06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	14.204	14.204	(1.009)	427127	3.00000	2.8
27 Fluoranthene	202	16.486	16.486	(0.853)	424612	3.00000	2.6
28 Pyrene	202	16.903	16.903	(0.875)	455471	3.00000	2.6
29 Benzo(a)anthracene	228	19.301	19.301	(0.999)	371980	3.00000	2.8
30 Chrysene	228	19.380	19.380	(1.003)	368623	3.00000	2.5
31 Benzo(b)fluoranthene	252	21.318	21.318	(0.971)	347125	3.00000	2.5
32 Benzo(k)fluoranthene	252	21.351	21.351	(0.972)	393077	3.00000	2.6
33 Benzo(a)pyrene	252	21.851	21.851	(0.995)	332453	3.00000	2.6
34 Indeno(1,2,3-cd)pyrene	276	24.028	24.028	(1.094)	326870	3.00000	2.9
35 Dibenzo(a,h)anthracene	278	24.083	24.083	(1.097)	300347	3.00000	2.7
36 Benzo(g,h,i)perylene	276	24.616	24.616	(1.121)	321680	3.00000	2.6

TM
6/1/10

COMPUCHEM a Division of Liberty Analytical Corp
GC/MS SEMIVOLATILE RUN LOG
LOGBOOK 4X(4) 21 (5972hp66)

DATE 6/1/10 INITIAL TIME OF TUNE 1253 SHIFT/S (A) ✓ (B) ____ (C) ____
TIME TUNE EXPIRES 0053
METHOD: 625 8270C 8270D OLC03.2 OLM04.3 SOM01.2 (Circle One) or Other: PAH SIM: (Y)N)
PREVENTIVE MAINTENANCE Front Liner/Septum

	SEQUENCE#	INJ	FILENAME	SPIKE	DATE	TIME	CLIENT ID	SDG#	AMOUNT INJECTED	CHEMIST	COMMENTS
1	OF01008		N/A	✓	6/1/10	1253	FC43	—	N/A	2652	SCD=LCD
2	DS100601A		OF01008-CCV1A606	✓	/ /	1329	SSTD3.00IU	—	2µL		
3			0052404-BLK1A606	✓	/ /	1403	SBLKCD	1005132			
4		/	-BS1A606	SP SL	/ /	1437	SCDLCS				
5		/	-BSD1A606	IL	/ /	1511	SCDLCSD				
6		/	1005132-15A606	SH	/ /	1545	SS81-0-1				
7		/	-16A606	IL SL	/ /	1619	SB81-5-6				
8		/	-17A606	SL	/ /	1653	SS71-0-1				
9		/	-18A606	SL	/ /	1727	SS71D-0-1				
10		/	-19A606	SL	/ /	1801	SB71-4-5				
11		/	-20A606	IL	/ /	1835	SB71D-4-5	↓			
12		X	0052518-BLK1A606	SL	OK / /	1909	SBLKCO	1005134			in house limits
13		/	-BS1A606	SP SL	/ /	1943	SCOLCS				in house limits Rx bath spikes missing
14		/	-MS1A606	SP SL	/ /	2017	SB44-5-6MS				in house limits
15		/	-MSD1A606	SP SL	/ /	2051	SB44-5-6MSD				in house limits
16	TNP	X	1005134-18A606	SL	OK / /	2125	SB44-5-6				in house limits
17	6/11/10	X	-20A606	SL	OK / /	2159	SS33-0-1				in house limits
18		/	-07A606	IL SL	/ /	2233	SB33-4-5				in house limits
19		/	-08A606	SL	/ /	2307	SB31-5-6				
20		X	-09A606	SL	OK / /	2340	SS31-0-1	↓	↓	↓	in house limits
21					/ /						
22					/ /		MW 6/2/10				
23					/ /						
24					/ /						

DFTPP Lot #/Exp. Date: N/A
Calibration STD Lot#/Exp. Date: FullSIM 0E18007 8/18/10
Internal STD Lot#/Exp. Date: 010 0E18001 10/2/10
Methylene Chloride Lot#/Exp. Date: J10504 4/21/15
Column Type: RTX-5MS 0.32mm

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

REVIEWED BY: TNP DATE 6/2/10

6/01/09:jr

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: 5972HP70 Calibration Date: 07/01/10 Time: 0201

Lab File ID: 0G01002-CCV2B7 Init. Calib. Date(s): 06/30/10 06/30/10

Init. Calib. Times: 1311 1533

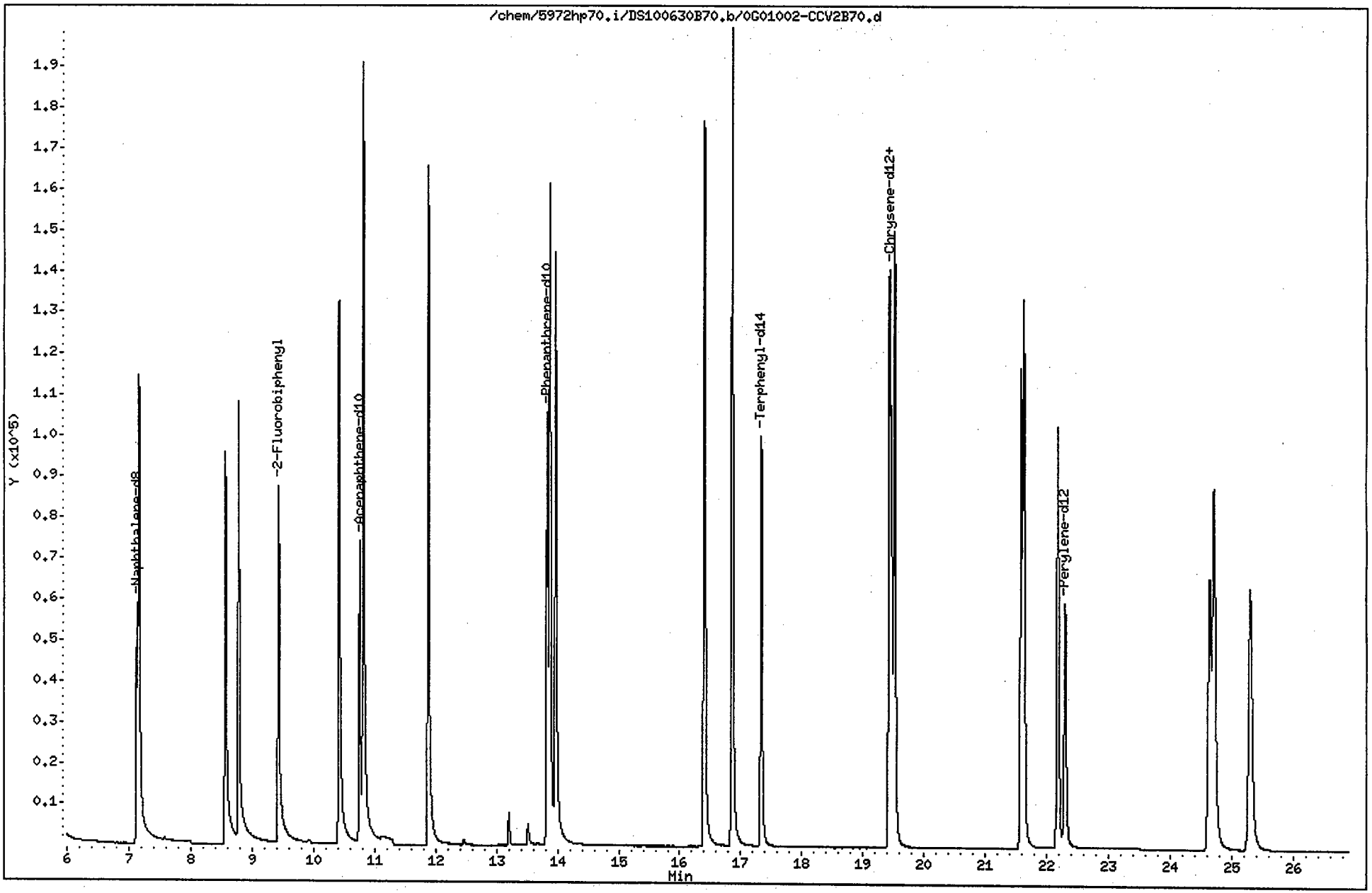
GC Column: RTX-5MS ID: 0.32 (mm)

COMPOUND	RRF or AMOUNT	RRF3.0000 or AMOUNT	CCAL RRF3.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Naphthalene	1.2770000	1.2894786	1.2894786	0.01	0.98	50.00	AVRG
2-Methylnaphthalene	0.6020000	0.6264037	0.6264037	0.01	4.05	50.00	AVRG
Acenaphthylene	1.8870000	1.9893373	1.9893373	0.01	5.42	50.00	AVRG
Acenaphthene	1.1970000	1.1828058	1.1828058	0.01	-1.18	20.00	AVRG
Fluorene	1.5040000	1.5342808	1.5342808	0.01	2.01	50.00	AVRG
Phenanthrene	1.0910000	1.0465931	1.0465931	0.01	-4.07	50.00	AVRG
Anthracene	1.0020000	1.1378813	1.1378813	0.01	13.56	50.00	AVRG
Fluoranthene	1.0720000	1.1613416	1.1613416	0.01	8.33	20.00	AVRG
Pyrene	1.4450000	1.4143607	1.4143607	0.01	-2.12	50.00	AVRG
Benzo(a)anthracene	1.0530000	1.1093279	1.1093279	0.01	5.35	50.00	AVRG
Chrysene	1.2540000	1.2192589	1.2192589	0.01	-2.77	50.00	AVRG
Benzo(b)fluoranthene	1.1700000	1.0790445	1.0790445	0.01	-7.77	50.00	AVRG
Benzo(k)fluoranthene	1.4480000	1.4575074	1.4575074	0.01	0.66	50.00	AVRG
Benzo(a)pyrene	1.1060000	1.1527934	1.1527934	0.01	4.23	20.00	AVRG
Indeno(1,2,3-cd)pyrene	2.8685067	3.0000000	0.9266272	0.01	-4.38	50.00	LINR
Dibenzo(a,h)anthracene	0.9780000	1.0059325	1.0059325	0.01	2.86	50.00	AVRG
Benzo(g,h,i)perylene	1.0800000	1.0268460	1.0268460	0.01	-4.92	50.00	AVRG
Nitrobenzene-d5	0.6470000	0.6438522	0.6438522	0.01	-0.49	50.00	AVRG
2-Fluorobiphenyl	1.3780000	1.4085525	1.4085525	0.01	2.22	50.00	AVRG
Terphenyl-d14	0.7120000	0.7209170	0.7209170	0.01	1.25	50.00	AVRG

FORM VII SV

Data File: /chem/5972hp70.i/DS100630B70.b/0G01002-CCV2B70.d
Date : 01-JUL-2010 02:01
Client ID: SSTD003MF
Sample Info: SSTD003MF:TD
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: TD
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630B70.b/0G01002-CCV2B70.d
Report Date: 01-Jul-2010 16:14

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630B70.b/0G01002-CCV2B70.d
Lab Smp Id: 0G01002-CCV1 Client Smp ID: SSTD003MF
Inj Date : 01-JUL-2010 02:01
Operator : TD Inst ID: 5972hp70.i
Smp Info : SSTD003MF:TD
Misc Info : SSTD003MF
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630B70.b/SIM_8270Cv3DOD.m
Meth Date : 01-Jul-2010 16:13 buddy Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	4.823	4.823	(1.000)	29371	2.00000	
*	2 Naphthalene-d8	136	7.130	7.130	(1.000)	107096	2.00000	
*	3 Acenaphthene-d10	164	10.757	10.757	(1.000)	74653	2.00000	
*	4 Phenanthrene-d10	188	13.831	13.831	(1.000)	157713	2.00000	
*	5 Chrysene-d12	240	19.458	19.458	(1.000)	139821	2.00000	
*	6 Perylene-d12	264	22.295	22.295	(1.000)	121421	2.00000	
$	9 Nitrobenzene-d5	82	5.855	5.855	(0.821)	103431	3.00000	3.0
$	10 2-Fluorobiphenyl	172	9.428	9.428	(0.877)	157729	3.00000	3.1
$	12 Terphenyl-d14	244	17.331	17.331	(0.891)	151199	3.00000	3.0
	13 Naphthalene	128	7.161	7.161	(1.004)	207147	3.00000	3.0
	15 2-Methylnaphthalene	141	8.564	8.564	(1.201)	100628	3.00000	3.1
	17 Acenaphthylene	152	10.422	10.422	(0.969)	222765	3.00000	3.2
	18 Acenaphthene	154	10.816	10.816	(1.005)	132450	3.00000	3.0
	21 Fluorene	166	11.882	11.882	(1.105)	171808	3.00000	3.1
	25 Phenanthrene	178	13.876	13.876	(1.003)	247592	3.00000	2.9

07-01-10

Data File: /chem/5972hp70.i/DS100630B70.b/0G01002-CCV2B70.d
Report Date: 01-Jul-2010 16:14

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
26 Anthracene	178	13.968	13.968	(1.010)	269188	3.00000	3.4
27 Fluoranthene	202	16.404	16.404	(1.186)	274738	3.00000	3.3
28 Pyrene	202	16.854	16.854	(0.866)	296636	3.00000	2.9
29 Benzo(a)anthracene	228	19.428	19.428	(0.998)	232661	3.00000	3.2
30 Chrysene	228	19.511	19.511	(1.003)	255717	3.00000	2.9
31 Benzo(b)fluoranthene	252	21.576	21.576	(0.968)	196528	3.00000	2.8
32 Benzo(k)fluoranthene	252	21.620	21.620	(0.970)	265458	3.00000	3.0
33 Benzo(a)pyrene	252	22.172	22.172	(0.994)	209960	3.00000	3.1
34 Indeno(1,2,3-cd)pyrene	276	24.635	24.635	(1.105)	168768	3.00000	2.9(M)
35 Dibenzo(a,h)anthracene	278	24.701	24.701	(1.108)	183212	3.00000	3.1
36 Benzo(g,h,i)perylene	276	25.292	25.292	(1.134)	187021	3.00000	2.9

ms 07-01-10

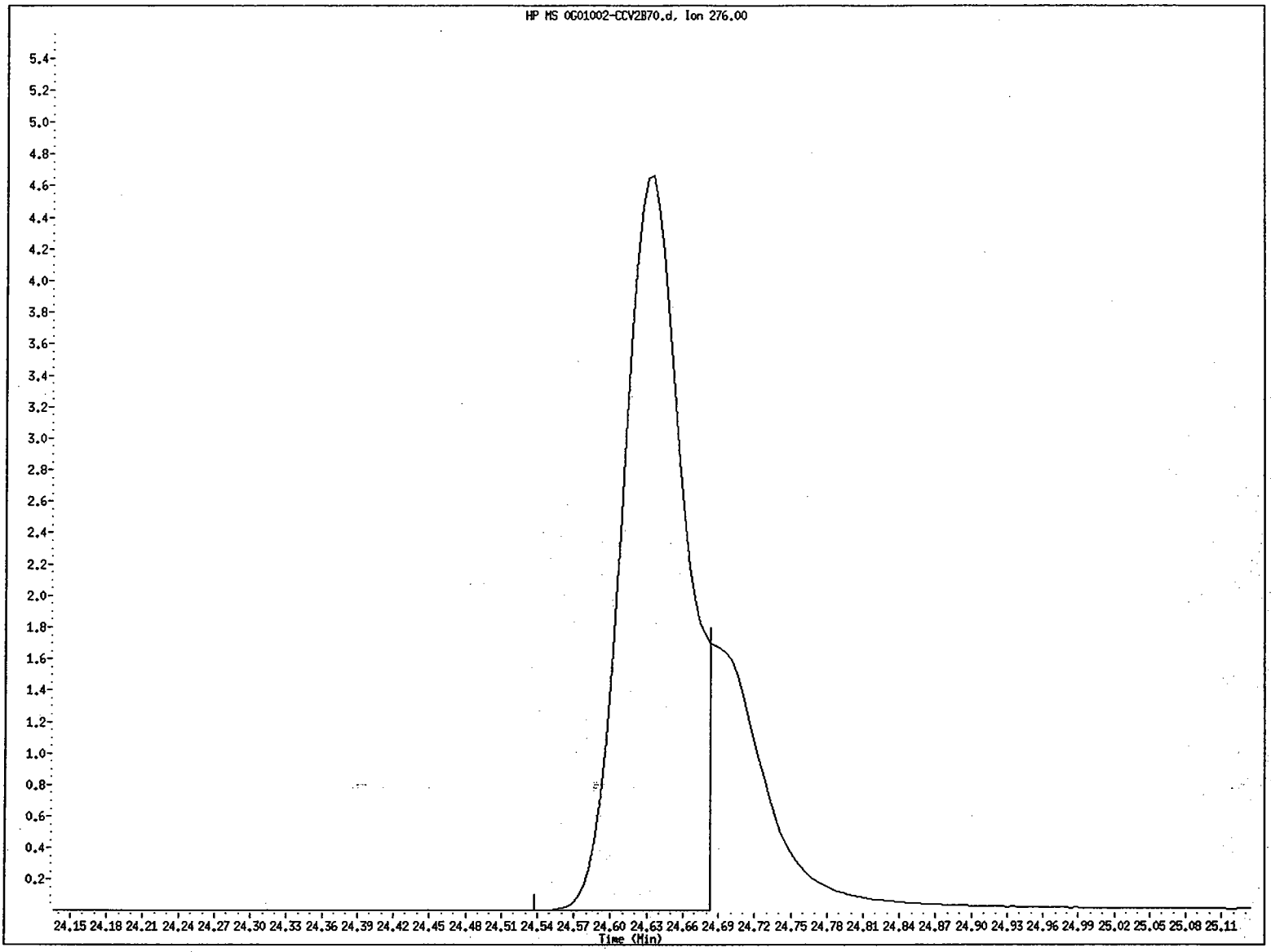
pm 7/2/10

QC Flag Legend

M - Compound response manually integrated.

ms 07-01-10

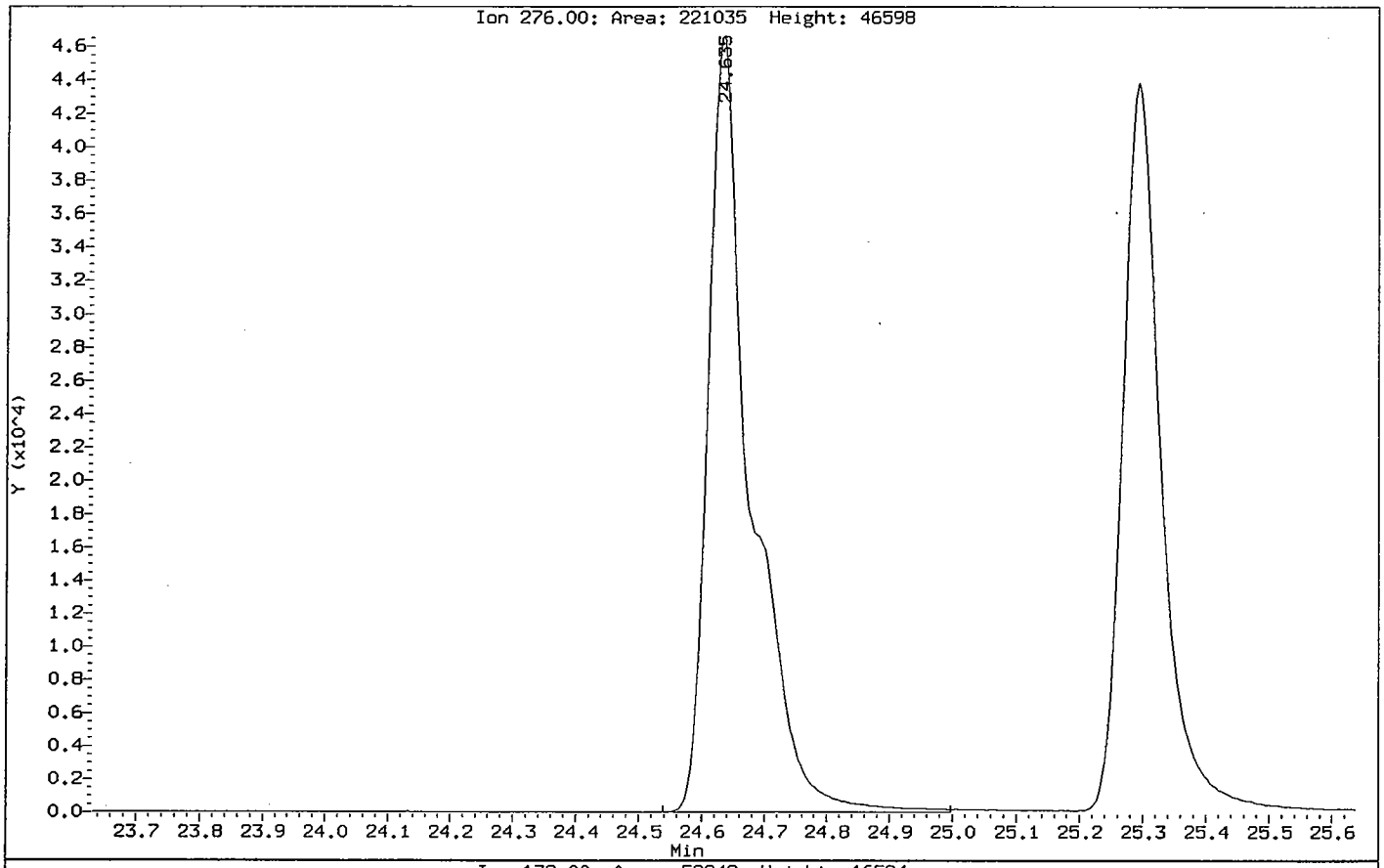
Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 168768 Manually integrated

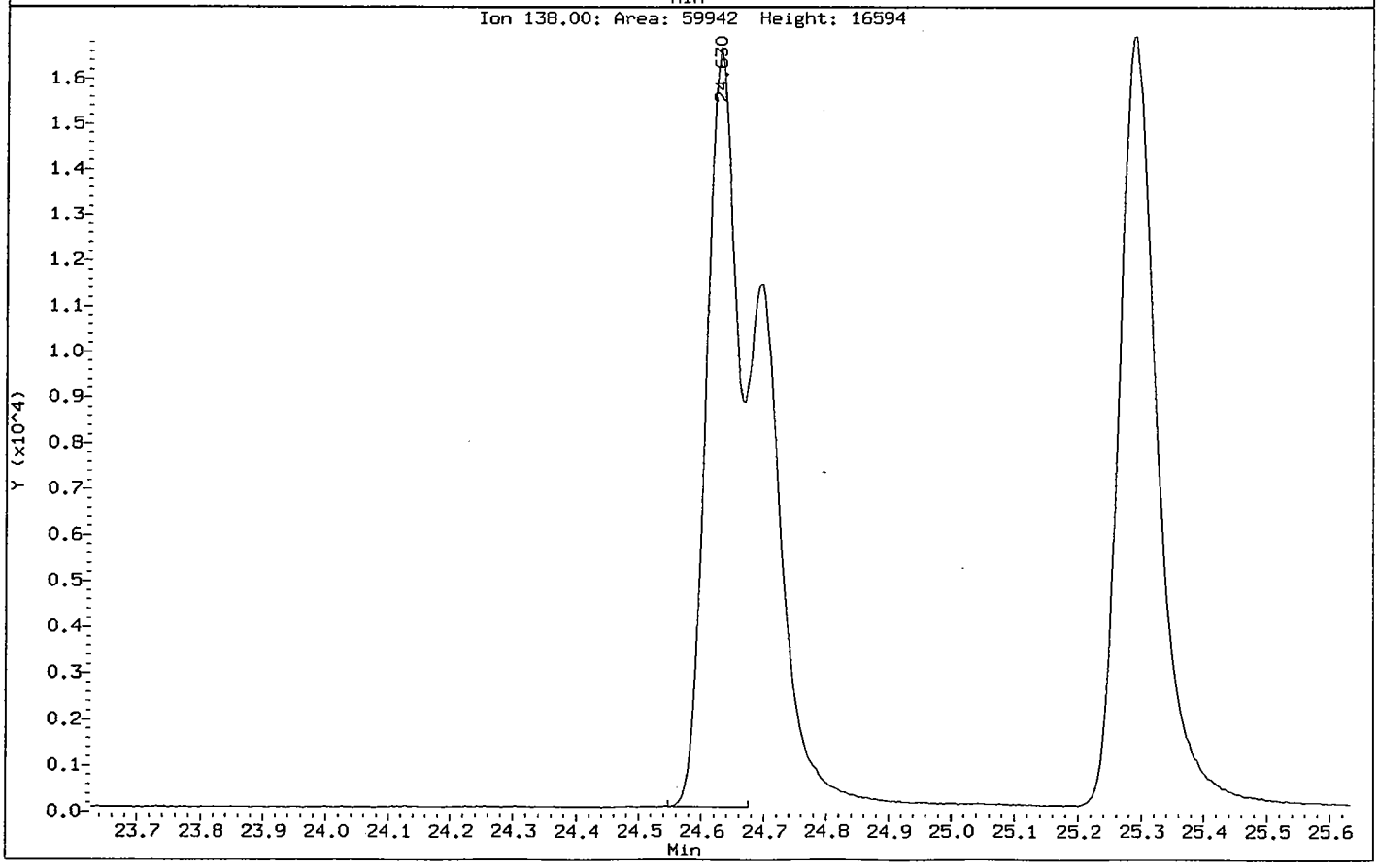


File name: /chem/5972hp70.i/DS100630B70.b/0G01002-CCV2B70.d
Client ID: SSTD003MF
Instrument ID: 5972hp70.i
Injection Date and Time: 01-JUL-2010 02:01
Retention Time: 24.63
Operator ID: TD

Data File: /chem/5972hp70.i/DS100630B70.b/0G01002-CCV2B70.d
Injection Date: 01-JUL-2010 02:01
Instrument: 5972hp70.i
Client Sample ID: SSTD003MF

Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





COMPUCHEM a Division of Liberty Analytical Corp
GC/MS SEMIVOLATILE RUN LOG
LOGBOOK 4U(4) 21 (5972hp70)

DATE 7/1/10 INITIAL TIME OF TUNE 0050 SHIFT/S (A) ____ (B) X (C) ____
TIME TUNE EXPIRES 1250
METHOD: 625 8270C 8270D OLC03.2 OLM04.3 SOM01.2 (Circle One) or Other: PAH SIM: (Y)/N)
PREVENTIVE MAINTENANCE None

	SEQUENCE#	REJECTED	FILENAME	ACCEPTED	DATE	TIME	CLIENT ID	SDG#	AMOUNT INJECTED	CHEMIST	COMMENTS
1	OG01002		N/A	/	7/1/10	0050	FC43	—	—	B	MD=SCP
2	S10063B		OG01002-TUN1	/	/ /	0054	DFTPPMF	—	2ul		
3		/	↓ CCV1	VS	/ /	0123	8270 VSSTD003MF	—			No Is. added
4			↓ CCV2	/	/ /	0261	↓	—			
5			1005134-12RE1B70	/	/ /	0237	SB32-2.5-3.5 RE	1005134			
6			1005134-13RE1 B70	/	/ /	0313	SB32D-2.5-3.5 RE				
7			14RE1	/	/ /	0348	SB 50-1-2 RE				
8			15RE1	/	/ /	0424	SS 12-0-1 RE				
9			16RE1	/	/ /	0459	SB 12-2-3 RE				
10			17RE1	/	/ /	0535	SS 44-0-1 RE				
11			19RE1	/	/ /	0611	SS 43-6-1 RE				
12			20RE1	/	/ /	0646	SB 43-3-4 RE				
13			11RE1	/	/ /	0722	SS 32D-0-1 RE				
14			0060119-BLK1 B70	/	/ /	0758	SBLK DW				
15			BS1	/	/ /	0834	SDW LCS				
16			BSD1	/	/ /	0909	SDW LCSD	↓			
17	WS 07-01-10		~~1005129-~~ ~~1005132~~ 16RE1B70	/	/ /	0945	SB 59-9-10	1005129			
18			1005132-12RE1	/	/ /	1020	SB 86-3-4	1005132			
19					/ /						
20					/ /						
21					/ /		WS 07-01-10				
22					/ /						
23					/ /						
24					/ /						

DFTPP Lot #/Exp. Date: N/A
Calibration STD Lot#/Exp. Date: 003 OF18002 8-18-10
Internal STD Lot#/Exp. Date: 040 DF18001 11-18-10
Methylene Chloride Lot#/Exp. Date: J17500 6-8-15
Column Type: RTX-5MS 0.32mm

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

REVIEWED BY: MN DATE 7/1/10

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: 5972HP70 Calibration Date: 07/01/10 Time: 2148

Lab File ID: 0G01012-CCV1B7 Init. Calib. Date(s): 06/30/10 06/30/10

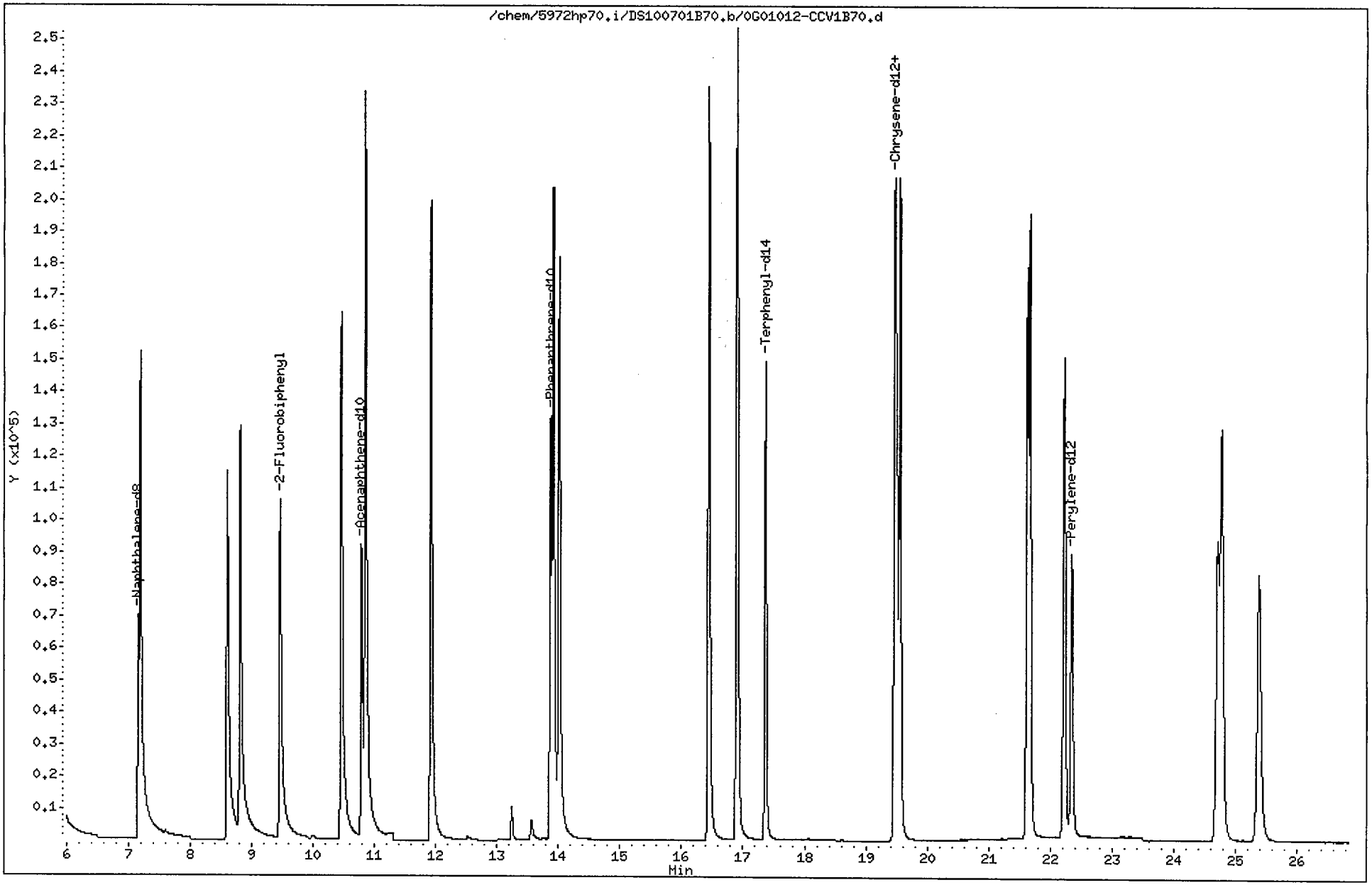
Init. Calib. Times: 1311 1533

GC Column: RTX-5MS ID: 0.32 (mm)

COMPOUND	RRF or AMOUNT	RRF3.0000 or AMOUNT	CCAL RRF3.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Naphthalene	1.2770000	1.2859388	1.2859388	0.01	0.70	50.00	AVRG
2-Methylnaphthalene	0.6020000	0.6126537	0.6126537	0.01	1.77	50.00	AVRG
Acenaphthylene	1.8870000	1.9745259	1.9745259	0.01	4.64	50.00	AVRG
Acenaphthene	1.1970000	1.1362866	1.1362866	0.01	-5.07	20.00	AVRG
Fluorene	1.5040000	1.4326198	1.4326198	0.01	-4.75	50.00	AVRG
Phenanthrene	1.0910000	0.9789166	0.9789166	0.01	-10.27	50.00	AVRG
Anthracene	1.0020000	1.0891417	1.0891417	0.01	8.70	50.00	AVRG
Fluoranthene	1.0720000	1.0777333	1.0777333	0.01	0.53	20.00	AVRG
Pyrene	1.4450000	1.3407518	1.3407518	0.01	-7.21	50.00	AVRG
Benzo(a)anthracene	1.0530000	1.1253829	1.1253829	0.01	6.87	50.00	AVRG
Chrysene	1.2540000	1.1739874	1.1739874	0.01	-6.38	50.00	AVRG
Benzo(b)fluoranthene	1.1700000	1.0460616	1.0460616	0.01	-10.59	50.00	AVRG
Benzo(k)fluoranthene	1.4480000	1.2782694	1.2782694	0.01	-11.72	50.00	AVRG
Benzo(a)pyrene	1.1060000	1.0948317	1.0948317	0.01	-1.01	20.00	AVRG
Indeno(1,2,3-cd)pyrene	2.7614244	3.0000000	0.8890769	0.01	-7.95	50.00	LINR
Dibenzo(a,h)anthracene	0.9780000	0.9242298	0.9242298	0.01	-5.50	50.00	AVRG
Benzo(g,h,i)perylene	1.0800000	0.8964650	0.8964650	0.01	-16.99	50.00	AVRG
Nitrobenzene-d5	0.6470000	0.6909253	0.6909253	0.01	6.79	50.00	AVRG
2-Fluorobiphenyl	1.3780000	1.3632475	1.3632475	0.01	-1.07	50.00	AVRG
Terphenyl-d14	0.7120000	0.7057350	0.7057350	0.01	-0.88	50.00	AVRG

Data File: /chem/5972hp70.i/DS100701B70.b/0G01012-CCV1B70.d
Date : 01-JUL-2010 21:48
Client ID: SSTD003MH
Sample Info: SSTD003MH:TD
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: TD
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701B70.b/0G01012-CCV1B70.d
Report Date: 06-Jul-2010 15:51

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701B70.b/0G01012-CCV1B70.d
Lab Smp Id: 0G01012-CCV1 Client Smp ID: SSTD003MH
Inj Date : 01-JUL-2010 21:48
Operator : TD Inst ID: 5972hp70.i
Smp Info : SSTD003MH:TD
Misc Info : SSTD003MH
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701B70.b/SIM_8270Cv3DOD.m
Meth Date : 06-Jul-2010 15:50 mead Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	4.848	4.848	(1.000)	42728	2.00000	
*	2 Naphthalene-d8	136	7.162	7.162	(1.000)	174563	2.00000	
*	3 Acenaphthene-d10	164	10.784	10.784	(1.000)	120567	2.00000	
*	4 Phenanthrene-d10	188	13.872	13.872	(1.000)	248062	2.00000	
*	5 Chrysene-d12	240	19.499	19.499	(1.000)	211544	2.00000	
*	6 Perylene-d12	264	22.344	22.344	(1.000)	196172	2.00000	
$	9 Nitrobenzene-d5	82	5.880	5.880	(0.821)	180915	3.00000	3.2
$	10 2-Fluorobiphenyl	172	9.460	9.460	(0.877)	246544	3.00000	3.0
$	12 Terphenyl-d14	244	17.362	17.362	(0.890)	223941	3.00000	3.0
	13 Naphthalene	128	7.193	7.193	(1.004)	336716	3.00000	3.0
	15 2-Methylnaphthalene	141	8.596	8.596	(1.200)	160420	3.00000	3.1
	17 Acenaphthylene	152	10.455	10.455	(0.970)	357094	3.00000	3.1
	18 Acenaphthene	154	10.849	10.849	(1.006)	205498	3.00000	2.8
	21 Fluorene	166	11.918	11.918	(1.105)	259090	3.00000	2.9
	25 Phenanthrene	178	13.916	13.916	(1.003)	364248	3.00000	2.7

Data File: /chem/5972hp70.i/DS100701B70.b/0G01012-CCV1B70.d
Report Date: 06-Jul-2010 15:51

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	14.009	14.009	(1.010)	405262	3.00000	3.3
27 Fluoranthene	202	16.440	16.440	(1.185)	401017	3.00000	3.0
28 Pyrene	202	16.894	16.894	(0.866)	425442	3.00000	2.8
29 Benzo(a)anthracene	228	19.468	19.468	(0.998)	357102	3.00000	3.2
30 Chrysene	228	19.552	19.552	(1.003)	372525	3.00000	2.8
31 Benzo(b)fluoranthene	252	21.625	21.625	(0.968)	307812	3.00000	2.7
32 Benzo(k)fluoranthene	252	21.665	21.665	(0.970)	376141	3.00000	2.6
33 Benzo(a)pyrene	252	22.225	22.225	(0.995)	322163	3.00000	3.0
34 Indeno(1,2,3-cd)pyrene	276	24.710	24.710	(1.106)	261618	3.00000	2.8(M)
35 Dibenzo(a,h)anthracene	278	24.776	24.776	(1.109)	271962	3.00000	2.8
36 Benzo(g,h,i)perylene	276	25.385	25.385	(1.136)	263792	3.00000	2.5

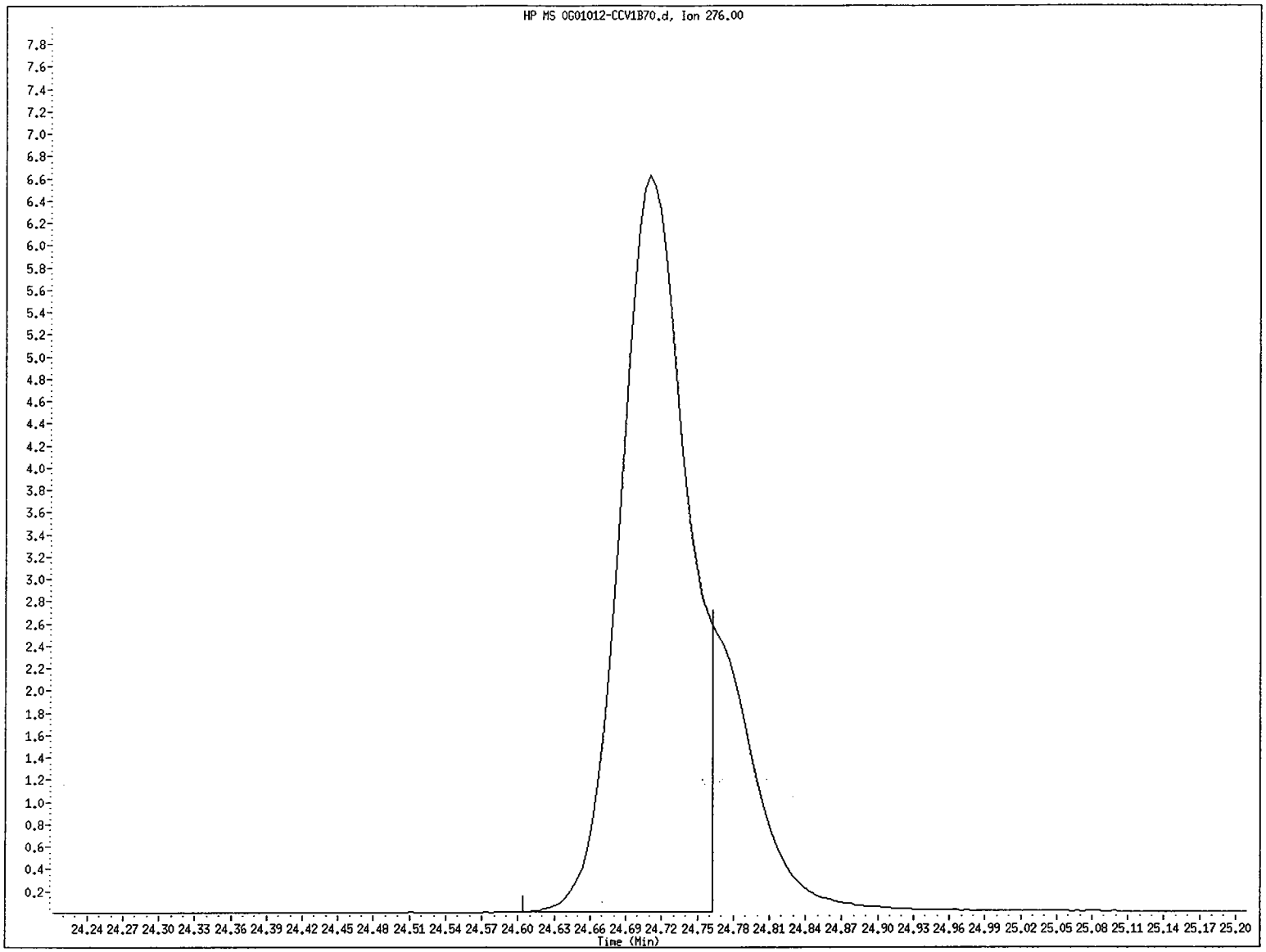
2

Per 7/6/10

QC Flag Legend

M - Compound response manually integrated.

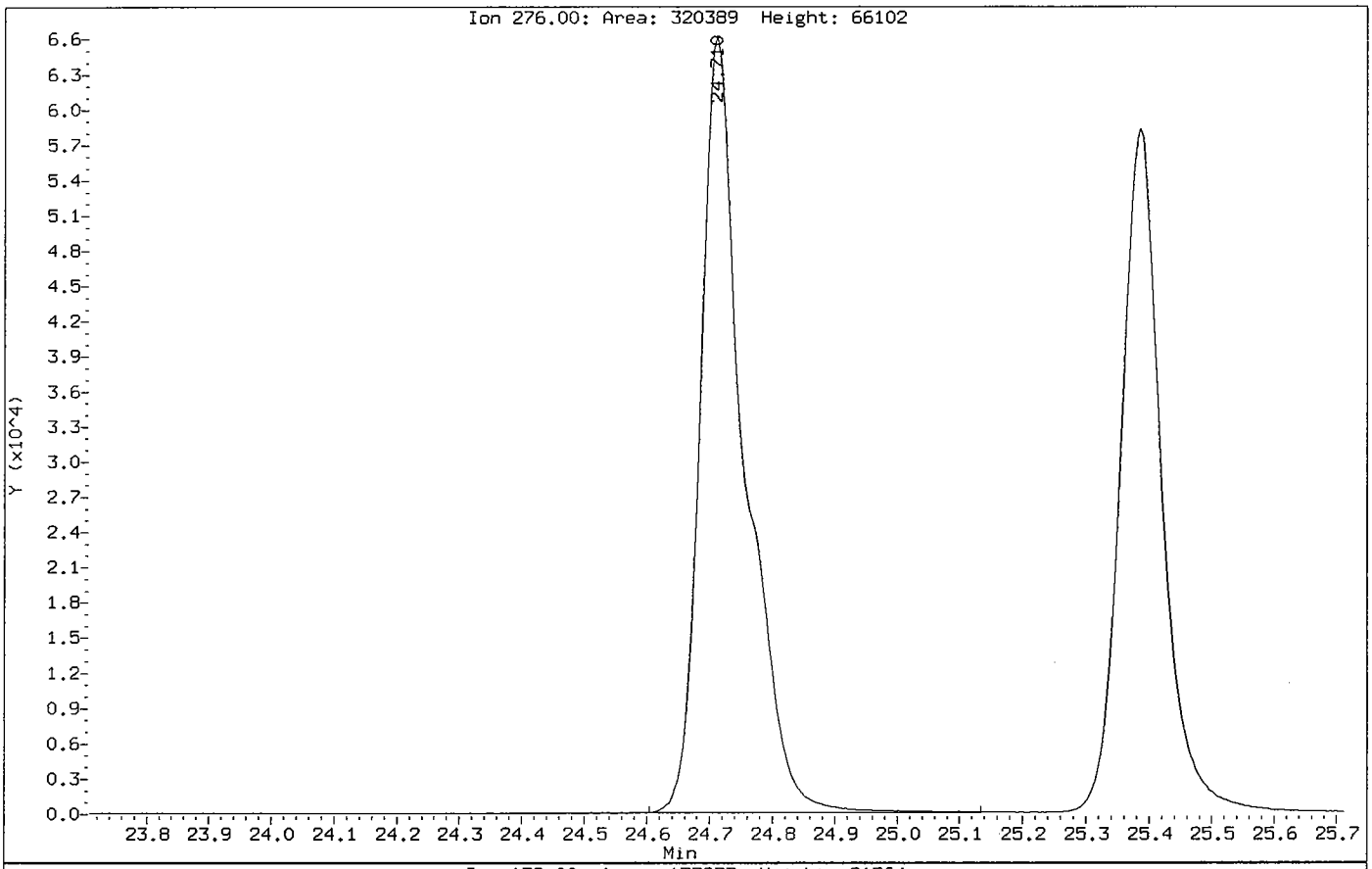
Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 261618 Manually integrated

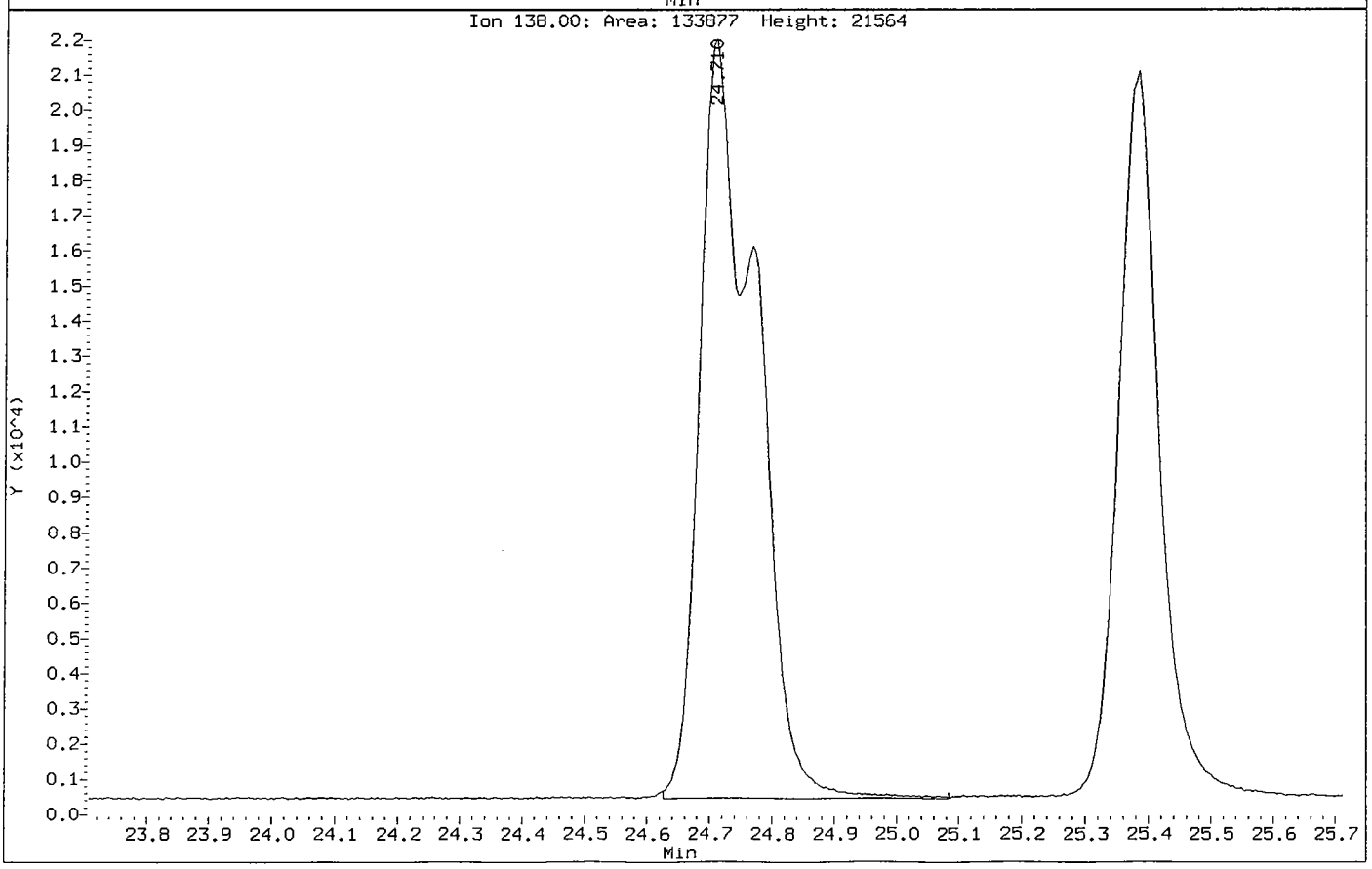


File name: /chem/5972hp70.i/DS100701B70.b/0G01012-CCV1B70.d
Client ID: SSTD003MH
Instrument ID: 5972hp70.i
Injection Date and Time: 01-JUL-2010 21:48
Retention Time: 24.71
Operator ID: TD

Data File: /chem/5972hp70.i/DS100701B70.b/0G01012-CCV1B70.d
Injection Date: 01-JUL-2010 21:48
Instrument: 5972hp70.i
Client Sample ID: SSTD003MH

Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





COMPUCHEM a Division of Liberty Analytical Corp
GC/MS SEMIVOLATILE RUN LOG
LOGBOOK 4U(4) 21 (5972hp70)

DATE 7/1/10 INITIAL TIME OF TUNE 2146 SHIFT/S (A) ____ (B) X (C) ____
TIME TUNE EXPIRES 946
METHOD: 625 ~~8270C~~ 8270D OLC03.2 OLM04.3 SOM01.2 (Circle One) or Other: PAH SIM: (Y/N)
PREVENTIVE MAINTENANCE None

	SEQUENCE#	REJECTED	FILENAME	ACCEPTED	DATE	TIME	CLIENT ID	SDG#	AMOUNT INJECTED	CHEMIST	COMMENTS
1	0G01012		N/A	/	7/1/10	2146	FC43	–	–	TJ	2uD =5CP
2	S100701B		0G01012-CCV1B70	/	/ /	2148	SSTD003MH	–	2ul		
3			0052518-BLK1J2	/	/ /	2226	SBLKGGOC PM 7/6/10	1005134			
4		/	1005134-10	SL	/ /	2301	SS32-0-1				
5			11	/	/ /	2337	SSB2D-0-1				
6			12	/	7/2/10 0012		SB32-2.5-3.5				
7			13	/	/ /	0048	SB32D-2.5-3.5				
8			14	/	/ /	0123	SB50-1-2				
9			15	/	/ /	0159	SS12-0-1				
10			16	/	/ /	0235	SB12-2-3				
11			17	/	/ /	0310	SS44-0-1				
12		/	20	IL	/ /	0346	SB43-3-4				
13			0052604-BLK1B70	/	/ /	0421	SBLKCK	1005157			
14		SF	0052604-BS1	SF	/ /	0457	SCULCS				
15			1005157-01	/	/ /	0532	SS73-9-10				
16			0052604-MS1	/	/ /	0608	SS73-9-10MS				
17			0052604-MSD1	/	/ /	0643	SS73-9-10MSD				
18			1005157-02	/	/ /	0719	SS51-0-1				
19			03	/	/ /	0754	SS51D-0-1				
20			04	/	/ /	0829	SS90-0-1				
21			05	/	/ /	0905	SB90-2-3				
22			06	/	/ /	0940	SS70-0-1				
23					/ /						
24					/ /						

07-02-10

DFTPP Lot #/Exp. Date: N/A
Calibration STD Lot#/Exp. Date: 003 OF18002 8-18-10
Internal STD Lot#/Exp. Date: 040 DF18001 11-18-10
Methylene Chloride Lot#/Exp. Date: J17500 6-8-15
Column Type: RTX-5ms 0.32mm

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

REVIEWED BY: RMead DATE 7/2/10

7/27/09:jr

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Instrument ID: 5972HP70 Calibration Date: 07/02/10 Time: 1030

Lab File ID: 0G02006-CCV1A7 Init. Calib. Date(s): 06/30/10 06/30/10

Init. Calib. Times: 1311 1533

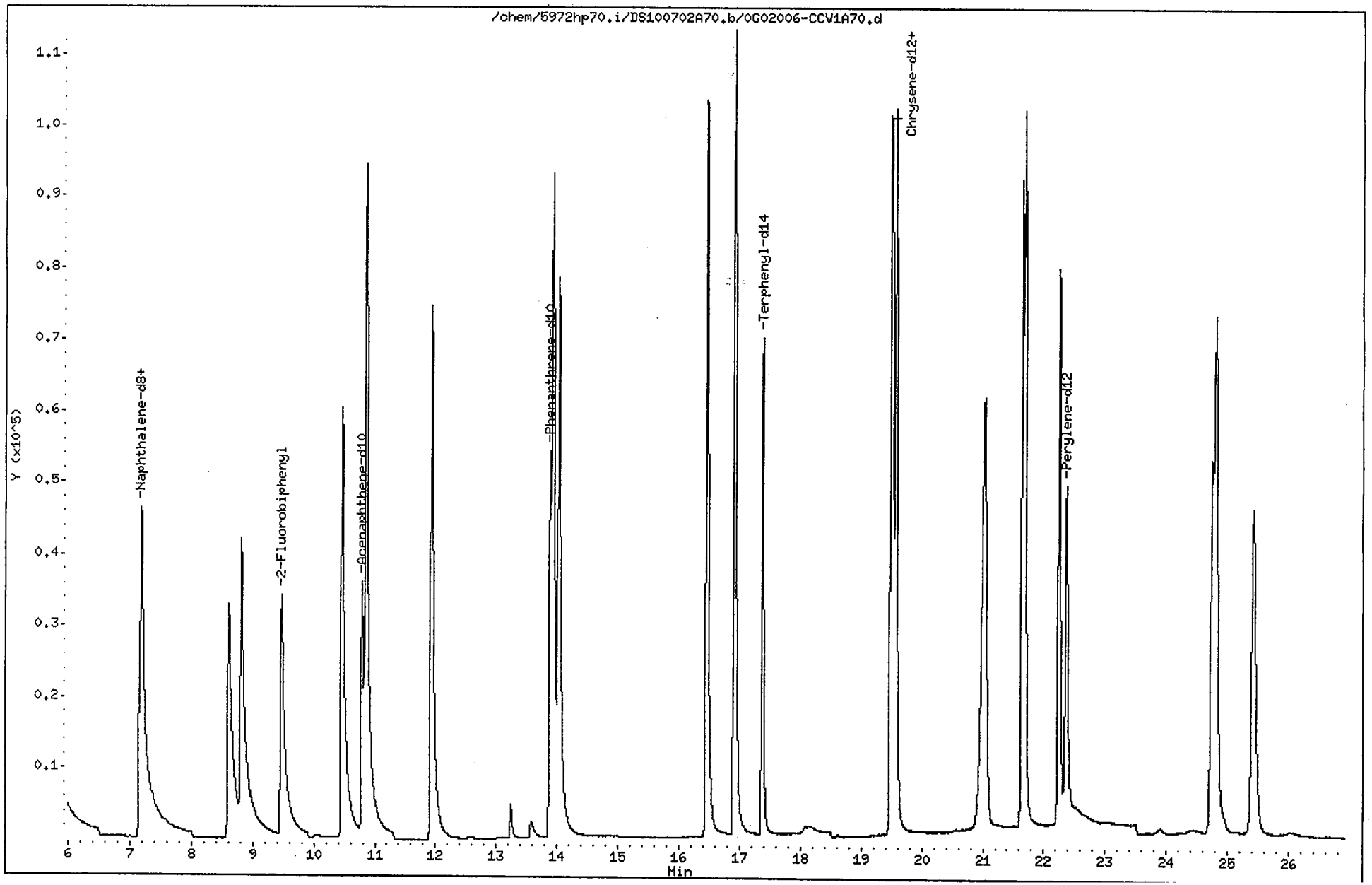
GC Column: RTX-5MS ID: 0.32 (mm)

COMPOUND	RRF or AMOUNT	RRF3.0000 or AMOUNT	CCAL RRF3.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Naphthalene	1.2770000	1.2230558	1.2230558	0.01	-4.22	50.00	AVRG
2-Methylnaphthalene	0.6020000	0.5539292	0.5539292	0.01	-7.98	50.00	AVRG
Acenaphthylene	1.8870000	1.9682377	1.9682377	0.01	4.30	50.00	AVRG
Acenaphthene	1.1970000	1.1542158	1.1542158	0.01	-3.57	20.00	AVRG
Fluorene	1.5040000	1.4635796	1.4635796	0.01	-2.69	50.00	AVRG
Phenanthrene	1.0910000	0.9226145	0.9226145	0.01	-15.43	50.00	AVRG
Anthracene	1.0020000	1.1695690	1.1695690	0.01	16.72	50.00	AVRG
Fluoranthene	1.0720000	1.0536308	1.0536308	0.01	-1.71	20.00	AVRG
Pyrene	1.4450000	1.3723875	1.3723875	0.01	-5.02	50.00	AVRG
Benzo(a)anthracene	1.0530000	1.1169082	1.1169082	0.01	6.07	50.00	AVRG
Chrysene	1.2540000	1.1954891	1.1954891	0.01	-4.66	50.00	AVRG
Benzo(b)fluoranthene	1.1700000	1.0164820	1.0164820	0.01	-13.12	50.00	AVRG
Benzo(k)fluoranthene	1.4480000	1.3443823	1.3443823	0.01	-7.16	50.00	AVRG
Benzo(a)pyrene	1.1060000	1.0826294	1.0826294	0.01	-2.11	20.00	AVRG
Indeno(1,2,3-cd)pyrene	2.9172357	3.0000000	0.9437149	0.01	-2.76	50.00	LINR
Dibenzo(a,h)anthracene	0.9780000	0.9433305	0.9433305	0.01	-3.54	50.00	AVRG
Benzo(g,h,i)perylene	1.0800000	0.9349843	0.9349843	0.01	-13.43	50.00	AVRG
Nitrobenzene-d5	0.6470000	0.5716383	0.5716383	0.01	-11.65	50.00	AVRG
2-Fluorobiphenyl	1.3780000	1.3798892	1.3798892	0.01	0.14	50.00	AVRG
Terphenyl-d14	0.7120000	0.7060379	0.7060379	0.01	-0.84	50.00	AVRG

FORM VII SV

Data File: /chem/5972hp70.i/DS100702A70.b/0G02006-CCV1A70.d
Date : 02-JUL-2010 10:30
Client ID: SSTD003MI
Sample Info: SSTD003MI:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100702A70.b/0G02006-CCV1A70.d
Report Date: 06-Jul-2010 16:43

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100702A70.b/0G02006-CCV1A70.d
Lab Smp Id: 0G02006-CCV1 Client Smp ID: SSTD003MI
Inj Date : 02-JUL-2010 10:30
Operator : OWS Inst ID: 5972hp70.i
Smp Info : SSTD003MI:OWS
Misc Info : SSTD003MI
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100702A70.b/SIM_8270Cv3DOD.m
Meth Date : 06-Jul-2010 16:42 mead Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	4.836	4.836	(1.000)	21727	2.00000	
*	2 Naphthalene-d8	136	7.153	7.153	(1.000)	98104	2.00000	
*	3 Acenaphthene-d10	164	10.790	10.790	(1.000)	66515	2.00000	
*	4 Phenanthrene-d10	188	13.885	13.885	(1.000)	136843	2.00000	
*	5 Chrysene-d12	240	19.516	19.516	(1.000)	111435	2.00000	
*	6 Perylene-d12	264	22.366	22.366	(1.000)	109271	2.00000	
$	9 Nitrobenzene-d5	82	5.881	5.881	(0.822)	84120	3.00000	2.6
$	10 2-Fluorobiphenyl	172	9.468	9.468	(0.877)	137675	3.00000	3.0
$	12 Terphenyl-d14	244	17.371	17.371	(0.890)	118016	3.00000	3.0
	13 Naphthalene	128	7.192	7.192	(1.005)	179980	3.00000	2.9
	15 2-Methylnaphthalene	141	8.604	8.604	(1.203)	81514	3.00000	2.8
	17 Acenaphthylene	152	10.461	10.461	(0.970)	196376	3.00000	3.1
	18 Acenaphthene	154	10.849	10.849	(1.005)	115159	3.00000	2.9
	21 Fluorene	166	11.927	11.927	(1.105)	146025	3.00000	2.9
	25 Phenanthrene	178	13.929	13.929	(1.003)	189380	3.00000	2.5

Data File: /chem/5972hp70.i/DS100702A70.b/0G02006-CCV1A70.d
Report Date: 06-Jul-2010 16:43

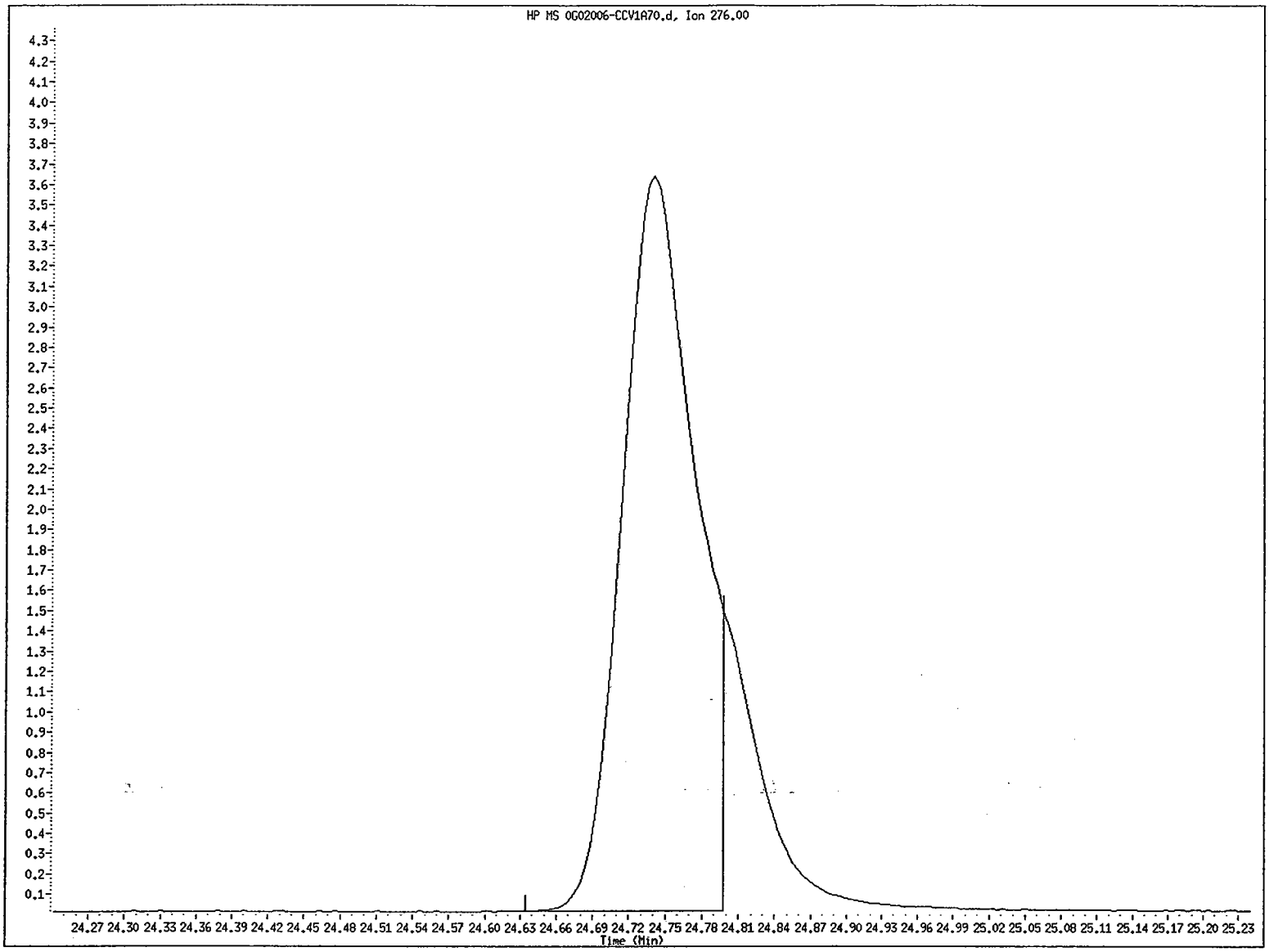
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	14.021	14.021	(1.010)	240071	3.00000	3.5
27 Fluoranthene	202	16.458	16.458	(1.185)	216273	3.00000	2.9
28 Pyrene	202	16.908	16.908	(0.866)	229398	3.00000	2.8
29 Benzo(a)anthracene	228	19.481	19.481	(0.998)	186694	3.00000	3.2
30 Chrysene	228	19.565	19.565	(1.002)	199829	3.00000	2.9
31 Benzo(b)fluoranthene	252	21.638	21.638	(0.967)	166608	3.00000	2.6
32 Benzo(k)fluoranthene	252	21.682	21.682	(0.969)	220353	3.00000	2.8
33 Benzo(a)pyrene	252	22.242	22.242	(0.994)	177450	3.00000	2.9
34 Indeno(1,2,3-cd)pyrene	276	24.741	24.741	(1.106)	154681	3.00000	2.9(M)
35 Dibenzo(a,h)anthracene	278	24.802	24.802	(1.109)	154618	3.00000	2.9
36 Benzo(g,h,i)perylene	276	25.416	25.416	(1.136)	153250	3.00000	2.6

2
PLM 7/6/10

QC Flag Legend

M - Compound response manually integrated.

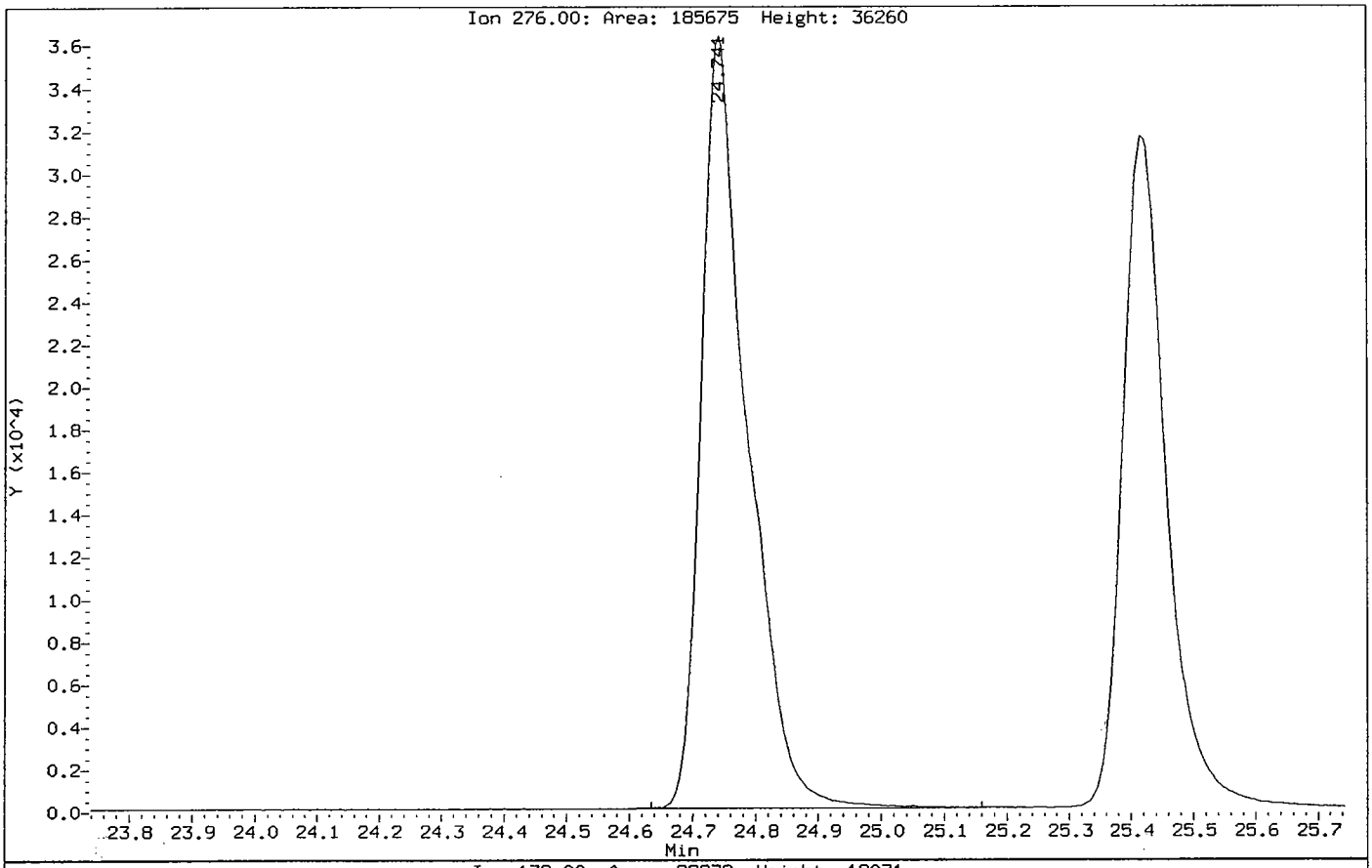
Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 154681 Manually integrated

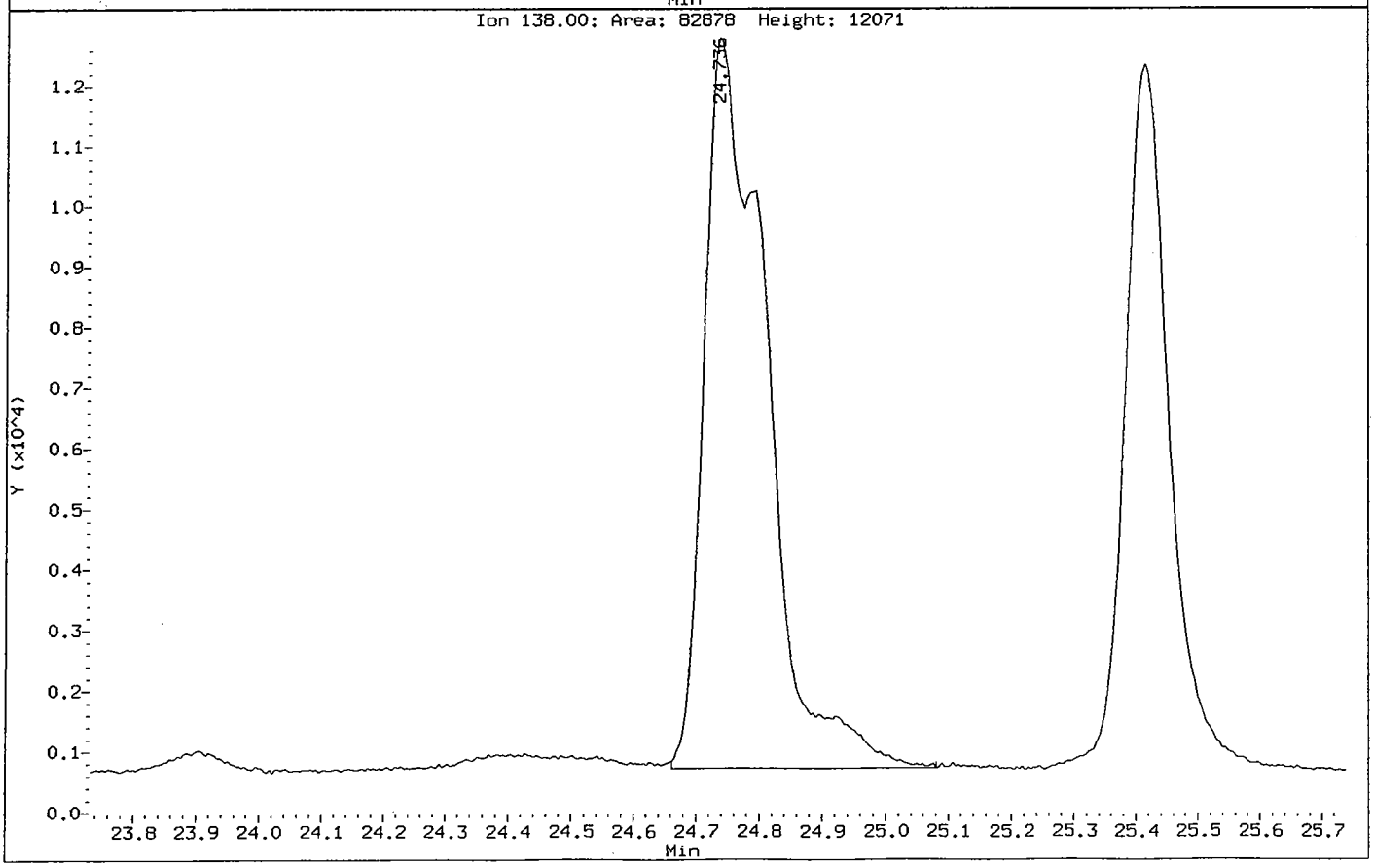


File name: /chem/5972hp70.i/DS100702A70.b/0G02006-CCV1A70.d
Client ID: SSTD003MI
Instrument ID: 5972hp70.i
Injection Date and Time: 02-JUL-2010 10:30
Retention Time: 24.74
Operator ID: OWS

Data File: /chem/5972hp70.i/DS100702A70.b/0G02006-CCV1A70.d
Injection Date: 02-JUL-2010 10:30
Instrument: 5972hp70.i
Client Sample ID: SSTD003MI

Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





480

COMPUCHEM a Division of Liberty Analytical Corp

GC/MS SEMIVOLATILE RUN LOG

LOGBOOK 4U(4) 21 (5972hp70)

DATE 7/2/10 INITIAL TIME OF TUNE 1022 SHIFT/S (A) X (B)____ (C)____

TIME TUNE EXPIRES 2222

METHOD: 625 (8270C) 8270D OLC03.2 OLM04.3 SOM01.2 (Circle One) or Other: PAH SIM: (Y/N)

PREVENTIVE MAINTENANCE None

	SEQUENCE#	EXTRACTED	FILENAME	REPORTED	DATE	TIME	CLIENT ID	SDG#	AMOUNT INJECTED	CHEMIST	COMMENTS
1	0602006		NA		7/2/10	1022	FC43	—	2uL	CWS	5CD=LCD
2	S100702A		0602006-CCV1A70		/ /	1030	SSTD003MT	—			
3			1005157-07		/ /	1106	SB70-1-2	1005157			
4			08		/ /	1141	SS69-0-1				
5			09		/ /	1217	SB69-2-3				
6			10		/ /	1252	SB64-1-2				
7			11		/ /	1328	SB65-1-2				
8			12		/ /	1403	SS64-0-1				
9			13		/ /	1439	SS66-0-1				
10			14		/ /	1514	SS65-0-1				
11			15		/ /	1550	SS82-0-1				
12			16		/ /	1625	SS82D-0-1				
13			17		/ /	1701	SB82-2-3				
14			18		/ /	1736	SB82D-2-3				
15			1005134-20SAPD		/ /	1812	SB43-3-4	1005134			
16					/ /						
17					/ /						
18					/ /						
19					/ /						
20					/ /						
21					/ /						
22					/ /						
23					/ /						B 7-2-10
24					/ /						

DFTPP Lot #/Exp. Date: NA

Calibration STD Lot#/Exp. Date: 003 OF18002 8-18-10

Internal STD Lot#/Exp. Date: 040 OF18001 11-18-10

Methylene Chloride Lot#/Exp. Date: J17500 6-8-15

Column Type: RTX-5MS 0.32mm

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

REVIEWED BY: B DATE 7-2-10

7/27/09:jr

4. Raw QC Data

   a. FC43 data

   b. Blank Data

   c. Laboratory Control Sample Data

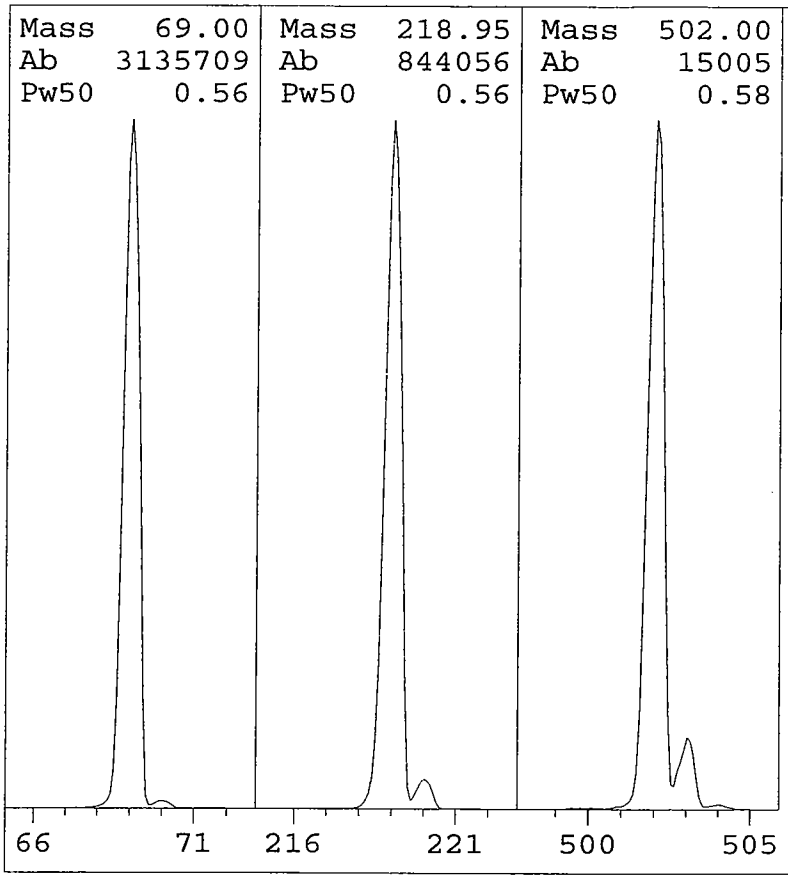
   d. Matrix Spike Data

   e. Matrix Spike Duplicate Data

a. FC43 (Calibration Gas)

PFTBA (Perfluoro-tri-n-butylamine) scan,
showing the relative abundance of the
key ions (69, 219, and 502)
and the Instrument Operating Conditions

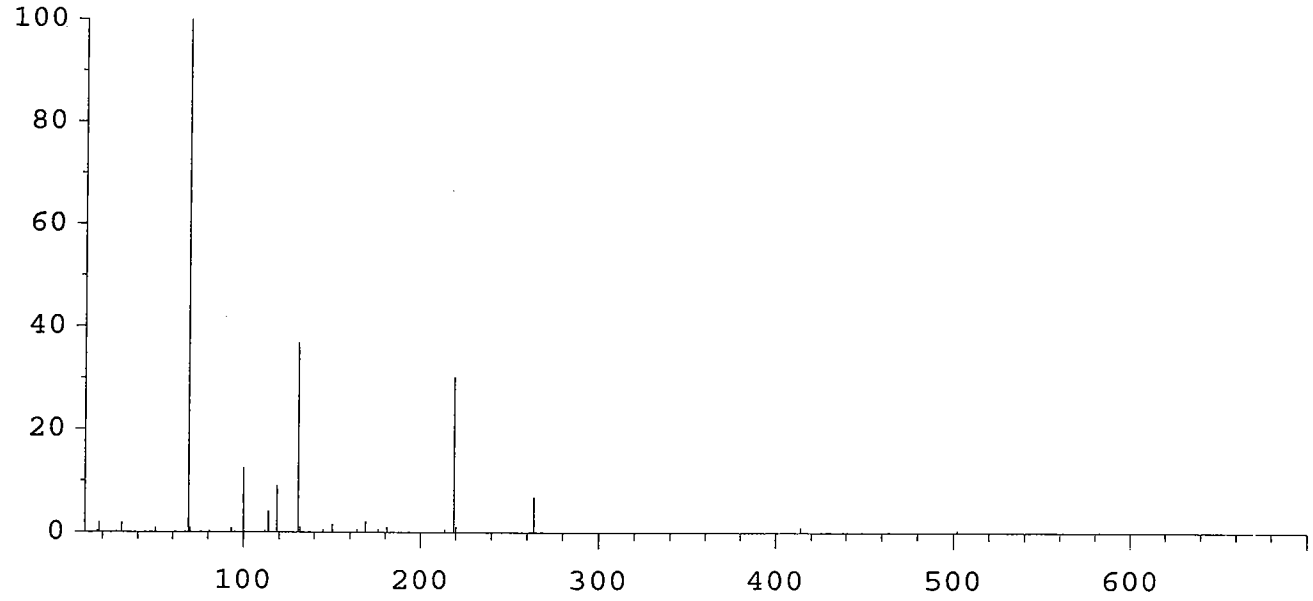
Instrument: GC/MS Instrument #1
Tue May 25 05:59:20 2010 C:\HPCHEM\1\5972\SIM.U



EMVolts	2000	AmuGain	198
Xray	38.5	AmuOffs	70
Emission	35.0	Wid219	0.010
MS Temp	181	TTI	OFF
Vacuum	53	DC Pol	POS
Samples	8	Repeller	22.01
Averages	3	IonFocus	90.0
StepSize	0.10	EntLens	18.57
MassGain	-967	EntOffs	15.81
MassOffs	7	Filament	1

PFTBA OPEN

Scan: 10.00 - 700.00 Samples: 8 Thresh: 100
189 peaks Base: 69.00 Abundance: 2428928

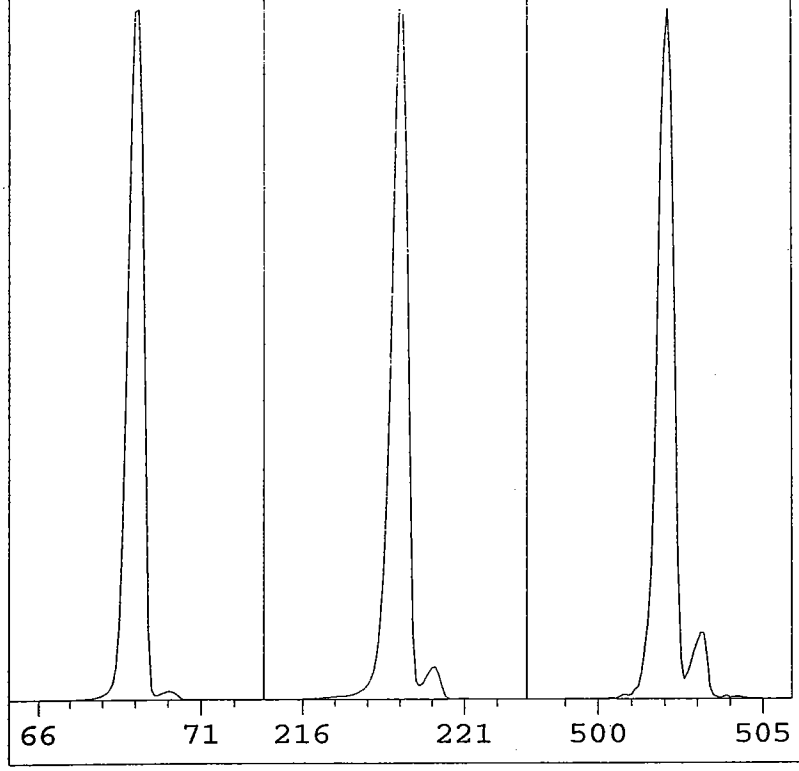


Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	2428928	100.00	69.95	25704	1.06
218.95	736000	30.30	220.00	32008	4.35
502.00	13063	0.54	503.00	1355	10.37

Instrument: GC/MS Instrument #1
Wed Jun 30 12:04:51 2010

C:\HPCHEM\1\5972\70SIM.U

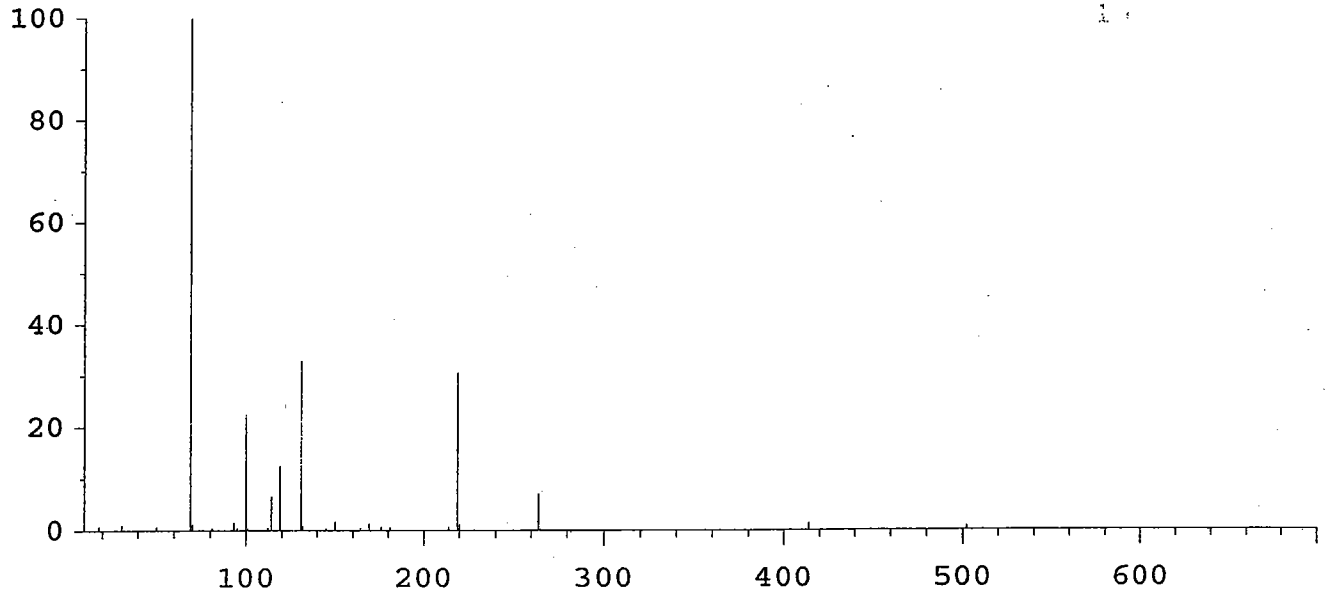
Mass	69.10	Mass	218.95	Mass	502.00
Ab	2821956	%	28.35	%	0.84
Pw50	0.55	Pw50	0.55	Pw50	0.55



EMVolts	2047	AmuGain	389
Xray	21.4	AmuOffs	76
Emission	35.0	Wid219	0.057
MS Temp	161	TTI	OFF
Vacuum	34	DC Pol	POS
Samples	8	Repeller	30.07
Averages	3	IonFocus	90.0
StepSize	0.10	EntLens	0.00
MassGain	-356	EntOffs	VAR
MassOffs	4	Filament	2

PFTBA OPEN

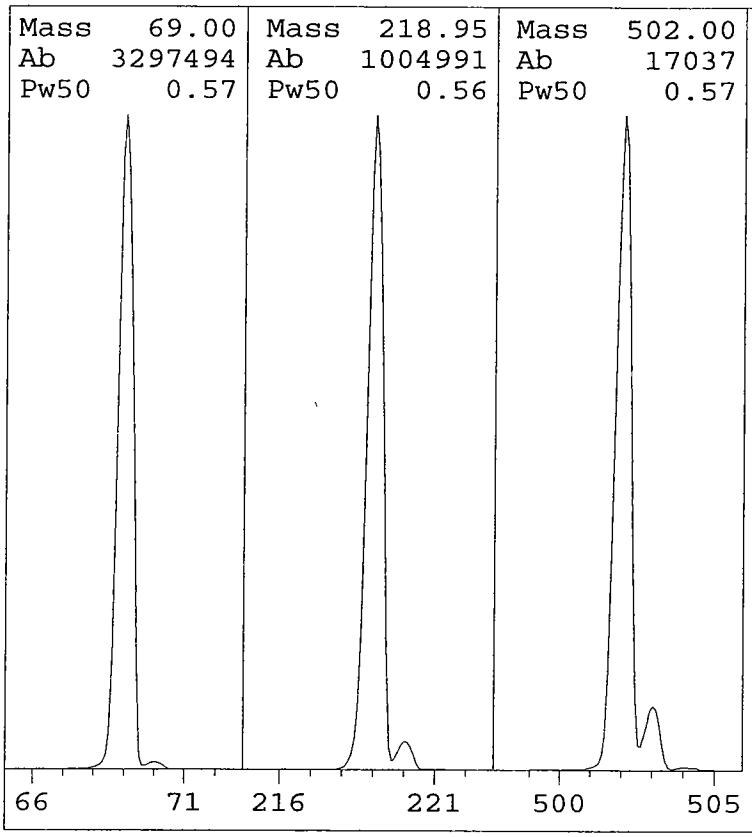
Scan: 10.00 - 700.00 Samples: 8 Thresh: 100
208 peaks Base: 69.00 Abundance: 2241536



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	2241536	100.00	70.10	29088	1.30
218.95	686208	30.61	219.95	30024	4.38
502.00	19488	0.87	503.00	1834	9.41

.HP5972

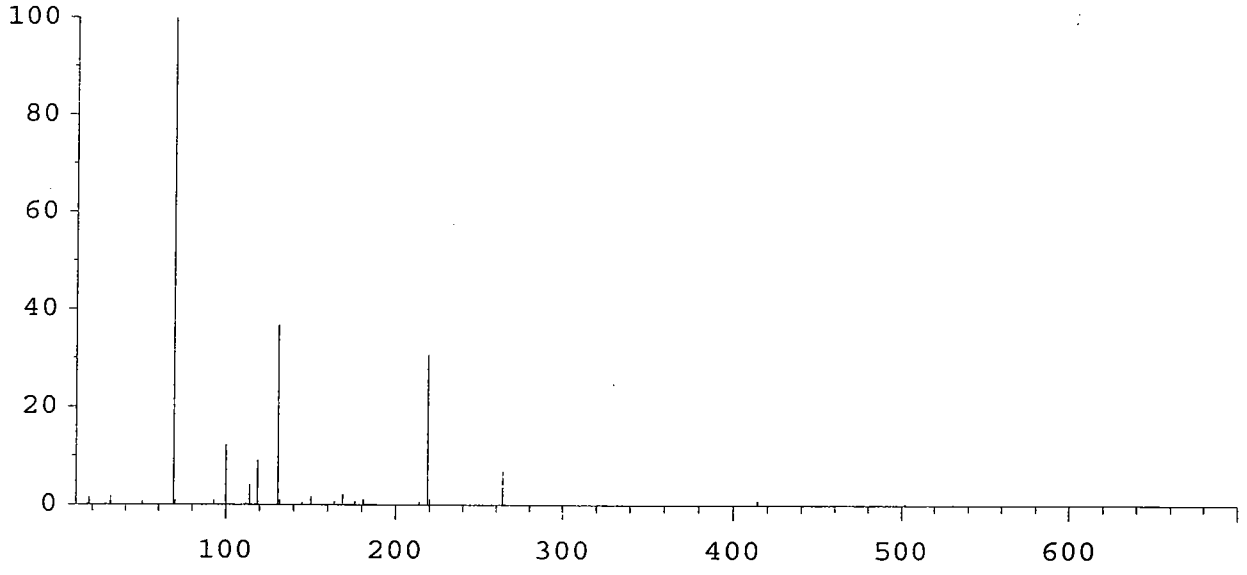
Instrument: GC/MS Instrument #1
Tue May 25 18:39:03 2010 C:\HPCHEM\1\5972\SIM.U



EMVolts	2000	AmuGain	198
Xray	38.5	AmuOffs	70
Emission	35.0	Wid219	0.010
MS Temp	182	TTI	OFF
Vacuum	50	DC Pol	POS
Samples	8	Repeller	22.01
Averages	3	IonFocus	90.0
StepSize	0.10	EntLens	18.57
MassGain	-967	EntOffs	15.81
MassOffs	7	Filament	1

PFTBA OPEN

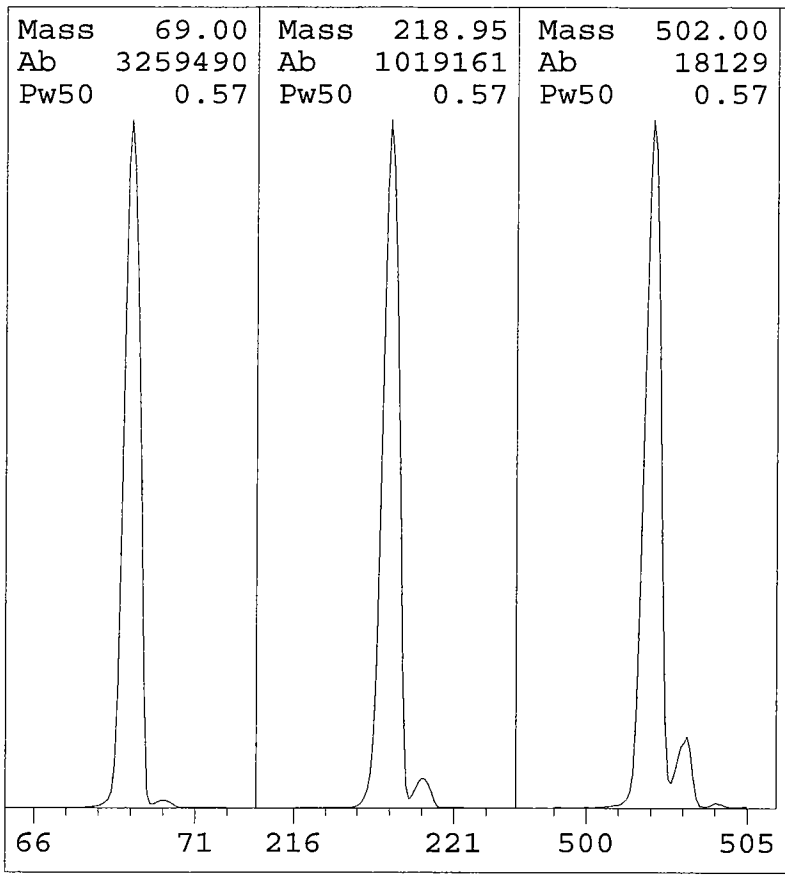
Scan: 10.00 - 700.00 Samples: 8 Thresh: 100
199 peaks Base: 69.00 Abundance: 2863616



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	2863616	100.00	69.95	29968	1.05
218.95	883200	30.84	219.95	37080	4.20
502.00	15500	0.54	503.00	1440	9.29

HP5972

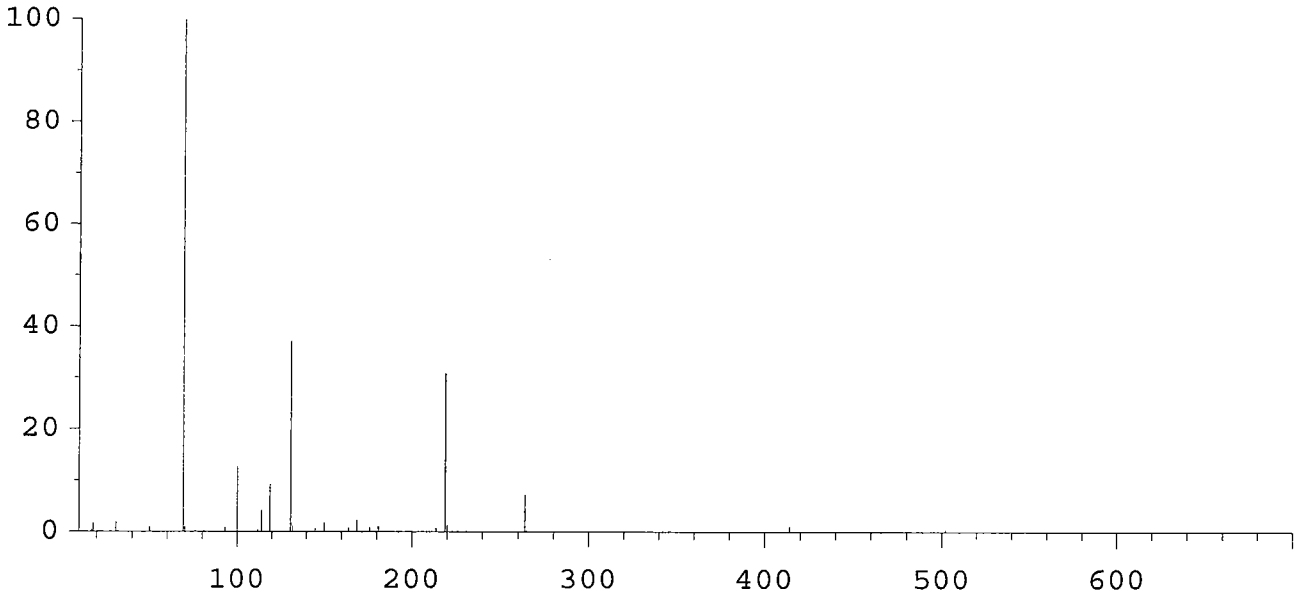
Instrument: GC/MS Instrument #1
Wed May 26 06:09:59 2010 C:\HPCHEM\1\5972\SIM.U



EMVolts	2000	AmuGain	198
Xray	38.5	AmuOffs	70
Emission	35.0	Wid219	0.010
MS Temp	180	TTI	OFF
Vacuum	54	DC Pol	POS
Samples	8	Repeller	22.01
Averages	3	IonFocus	90.0
StepSize	0.10	EntLens	18.57
MassGain	-967	EntOffs	15.81
MassOffs	7	Filament	1

PFTBA OPEN

Scan: 10.00 - 700.00 Samples: 8 Thresh: 100
200 peaks Base: 69.00 Abundance: 2897408

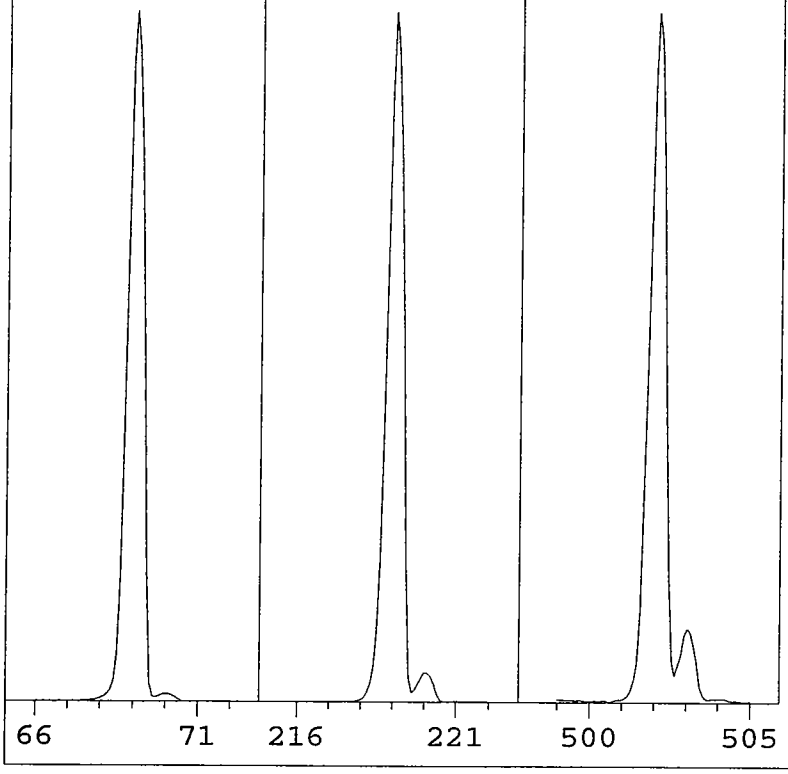


Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	2897408	100.00	69.95	30664	1.06
218.95	895744	30.92	219.95	37528	4.19
502.00	16768	0.58	503.00	1600	9.54

HP5972

Instrument: GC/MS Instrument #1
Tue Jun 01 12:53:40 2010 C:\HPCHEM\1\5972\SIM.U

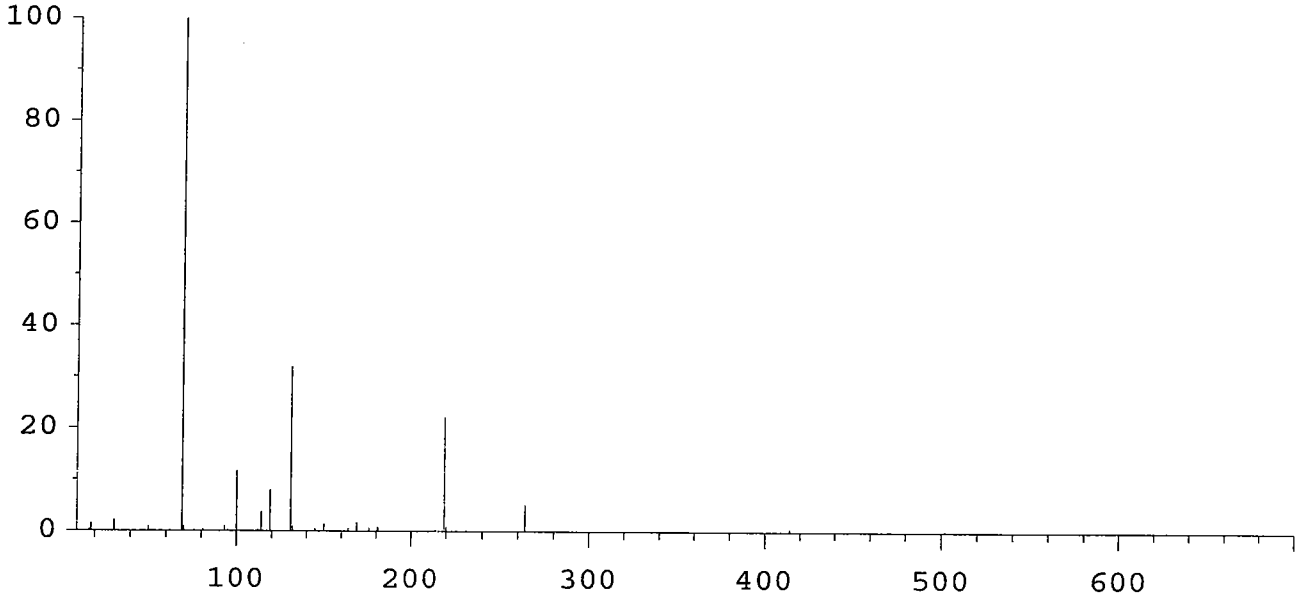
Mass	69.00	Mass	218.95	Mass	502.00
Ab	2591734	Ab	589739	Ab	9601
Pw50	0.57	Pw50	0.57	Pw50	0.57



EMVolts	2000	AmuGain	198
Xray	38.5	AmuOffs	70
Emission	35.0	Wid219	0.001
MS Temp	185	TTI	OFF
Vacuum	54	DC Pol	POS
Samples	8	Repeller	22.01
Averages	3	IonFocus	90.0
StepSize	0.10	EntLens	18.57
MassGain	-967	EntOffs	15.81
MassOffs	7	Filament	1

PFTBA OPEN

Scan: 10.00 - 700.00 Samples: 8 Thresh: 100
224 peaks Base: 69.00 Abundance: 2204672

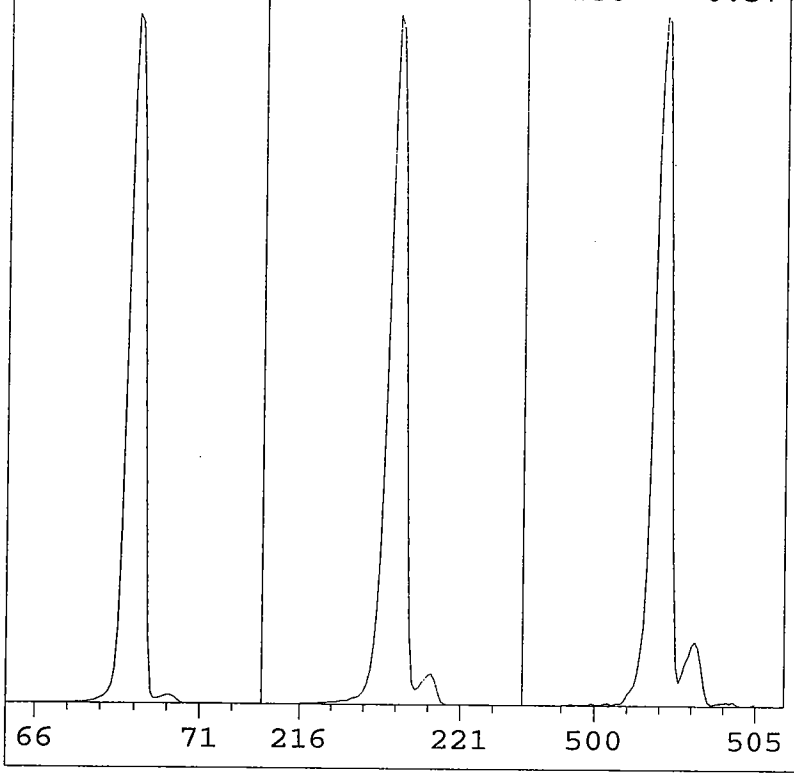


Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	2204672	100.00	70.05	22896	1.04
218.95	492736	22.35	220.00	21872	4.44
502.00	8233	0.37	503.00	819	9.95

Instrument: GC/MS Instrument #1
Thu Jul 01 00:50:43 2010

C:\HPCHEM\1\5972\70SIM.U

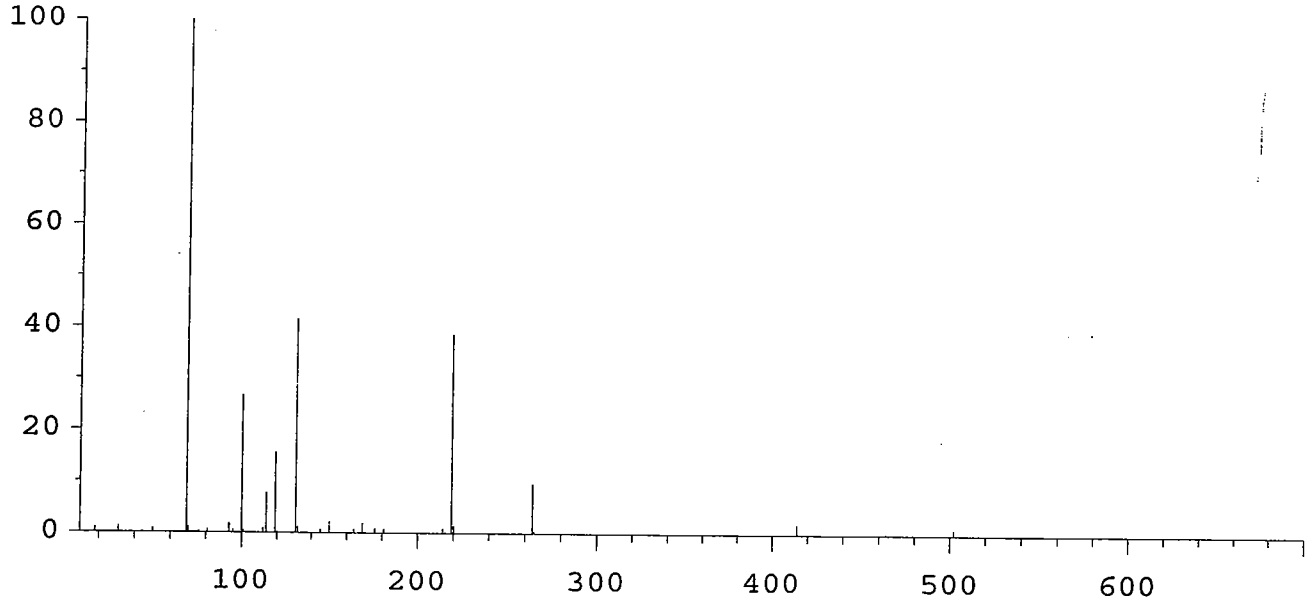
Mass	69.00	Mass	218.95	Mass	502.00
Ab	2281162	%	37.89	%	1.24
Pw50	0.57	Pw50	0.57	Pw50	0.57



EMVolts	2047	AmuGain	389
Xray	21.4	AmuOffs	76
Emission	35.0	Wid219	0.057
MS Temp	164	TTI	OFF
Vacuum	37	DC Pol	POS
Samples	8	Repeller	30.07
Averages	3	IonFocus	90.0
StepSize	0.10	EntLens	0.00
MassGain	-356	EntOffs	VAR
MassOffs	4	Filament	2

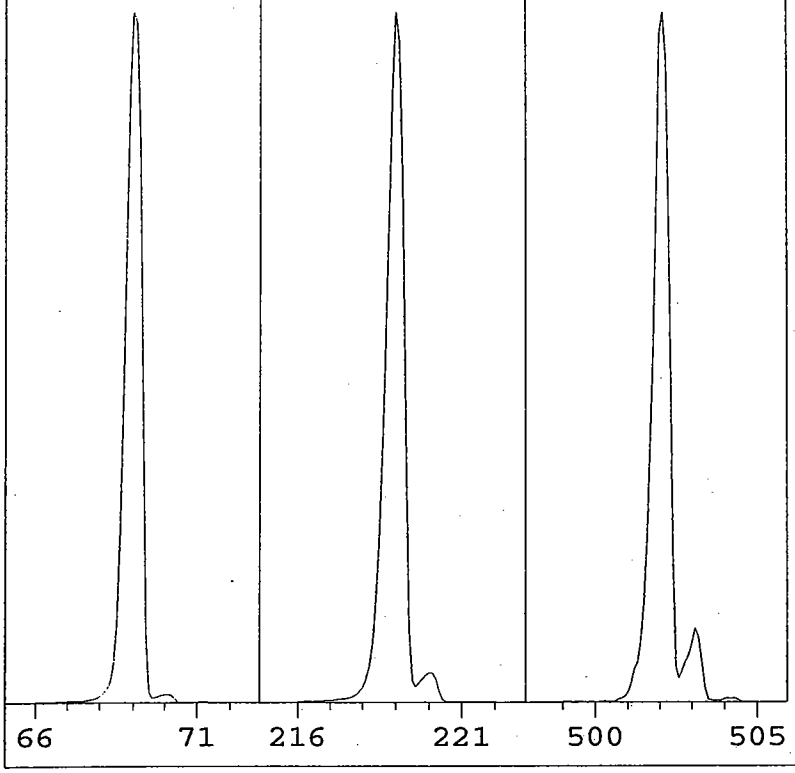
PFTBA OPEN

Scan: 10.00 - 700.00 Samples: 8 Thresh: 100
229 peaks Base: 69.00 Abundance: 1858048



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	1858048	100.00	70.00	21952	1.18
218.95	720448	38.77	219.95	31976	4.44
502.00	23872	1.28	503.00	2148	9.00

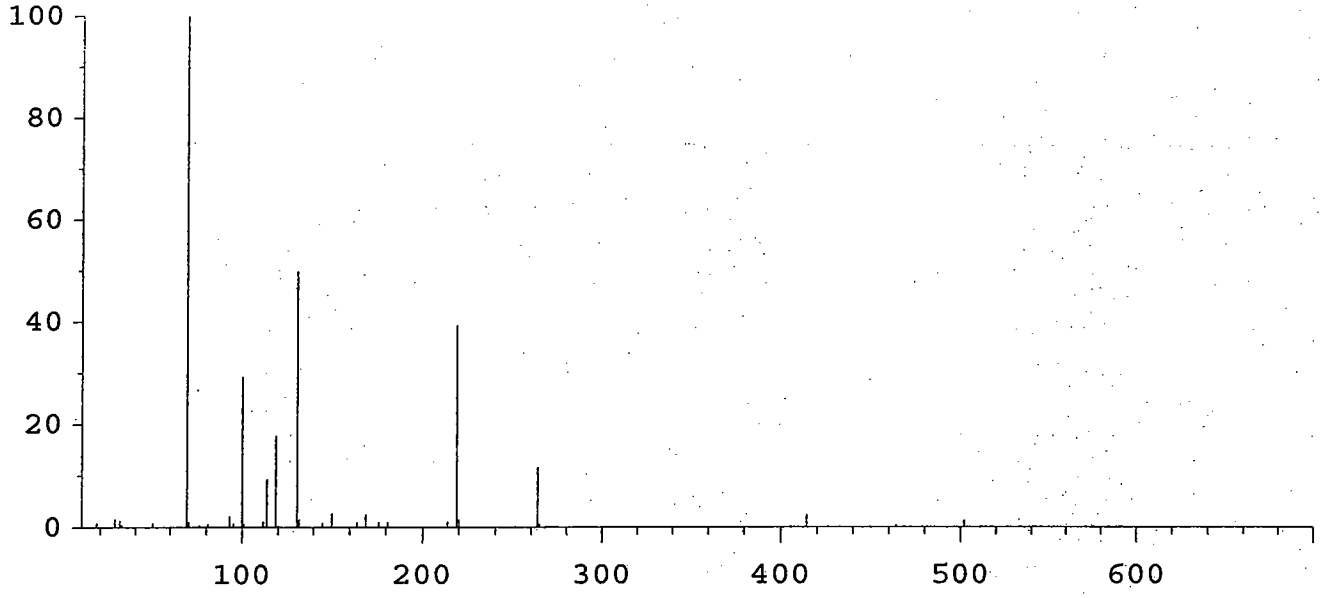
Mass	69.00	Mass	218.95	Mass	502.00
Ab	1108990	%	39.20	%	1.33
Pw50	0.56	Pw50	0.58	Pw50	0.55



EMVolts	2047	AmuGain	389
Xray	21.4	AmuOffs	76
Emission	35.0	Wid219	0.057
MS Temp	164	TTI	OFF
Vacuum	52	DC Pol	POS
Samples	8	Repeller	30.07
Averages	3	IonFocus	90.0
StepSize	0.10	EntLens	0.00
MassGain	-356	EntOffs	VAR
MassOffs	4	Filament	2

PFTBA OPEN

Scan: 10.00 - 700.00 Samples: 8 Thresh: 100
200 peaks Base: 69.00 Abundance: 936000

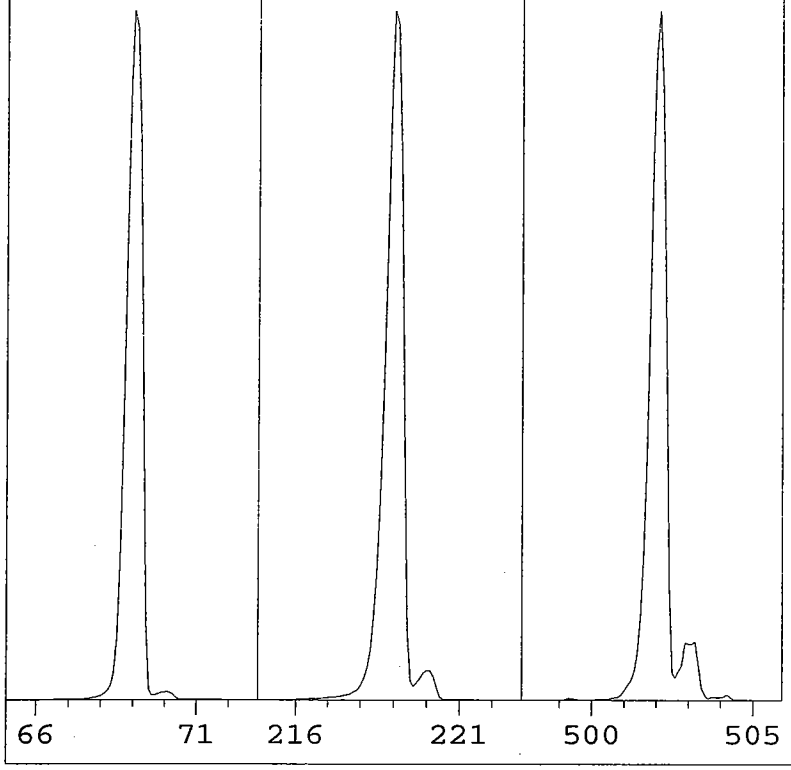


Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	936000	100.00	70.00	10919	1.17
218.95	368960	39.42	219.95	15715	4.26
502.00	12768	1.36	503.00	1578	12.36

Instrument: GC/MS Instrument #1
Fri Jul 02 10:22:39 2010

C:\HPCHEM\1\5972\70SIM.U

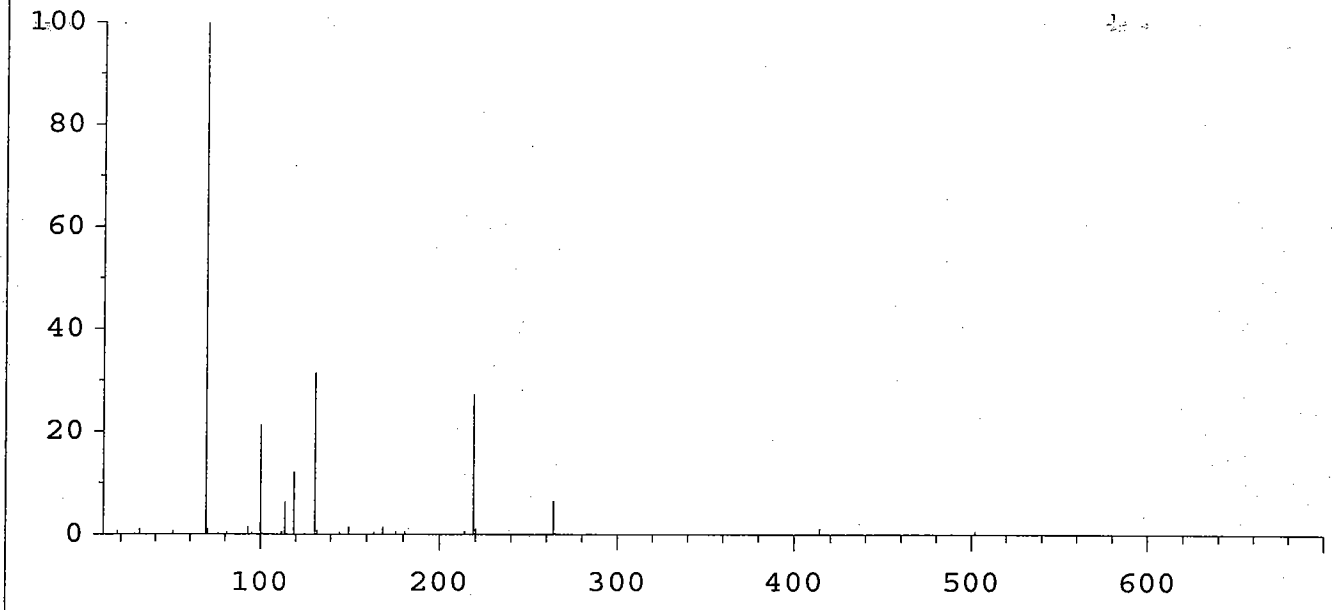
Mass	69.00	Mass	218.95	Mass	502.00
Ab	1955496	%	26.86	%	0.72
Pw50	0.56	Pw50	0.56	Pw50	0.54



EMVolts	2047	AmuGain	389
Xray	21.4	AmuOffs	76
Emission	35.0	Wid219	0.057
MS Temp	165	TTI	OFF
Vacuum	34	DC Pol	POS
Samples	8	Repeller	30.07
Averages	3	IonFocus	90.0
StepSize	0.10	EntLens	0.00
MassGain	-356	EntOffs	VAR
MassOffs	4	Filament	2

PFTBA OPEN

Scan: 10.00 - 700.00 Samples: 8 Thresh: 100
176 peaks Base: 69.00 Abundance: 1655808



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	1655808	100.00	70.00	20440	1.23
218.95	453248	27.37	219.95	19320	4.26
502.00	11939	0.72	503.00	1060	8.88

b. Blank Data

Arranged in chronological order, by extraction date.

- Tabulated Results (Form I SV)

- Chromatogram and quantitation report.

- Target compound spectra with lab-generated standard spectra.

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SBLKBP

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0051920-BLK1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0051920-BLK1JC66
Analyst: 2743

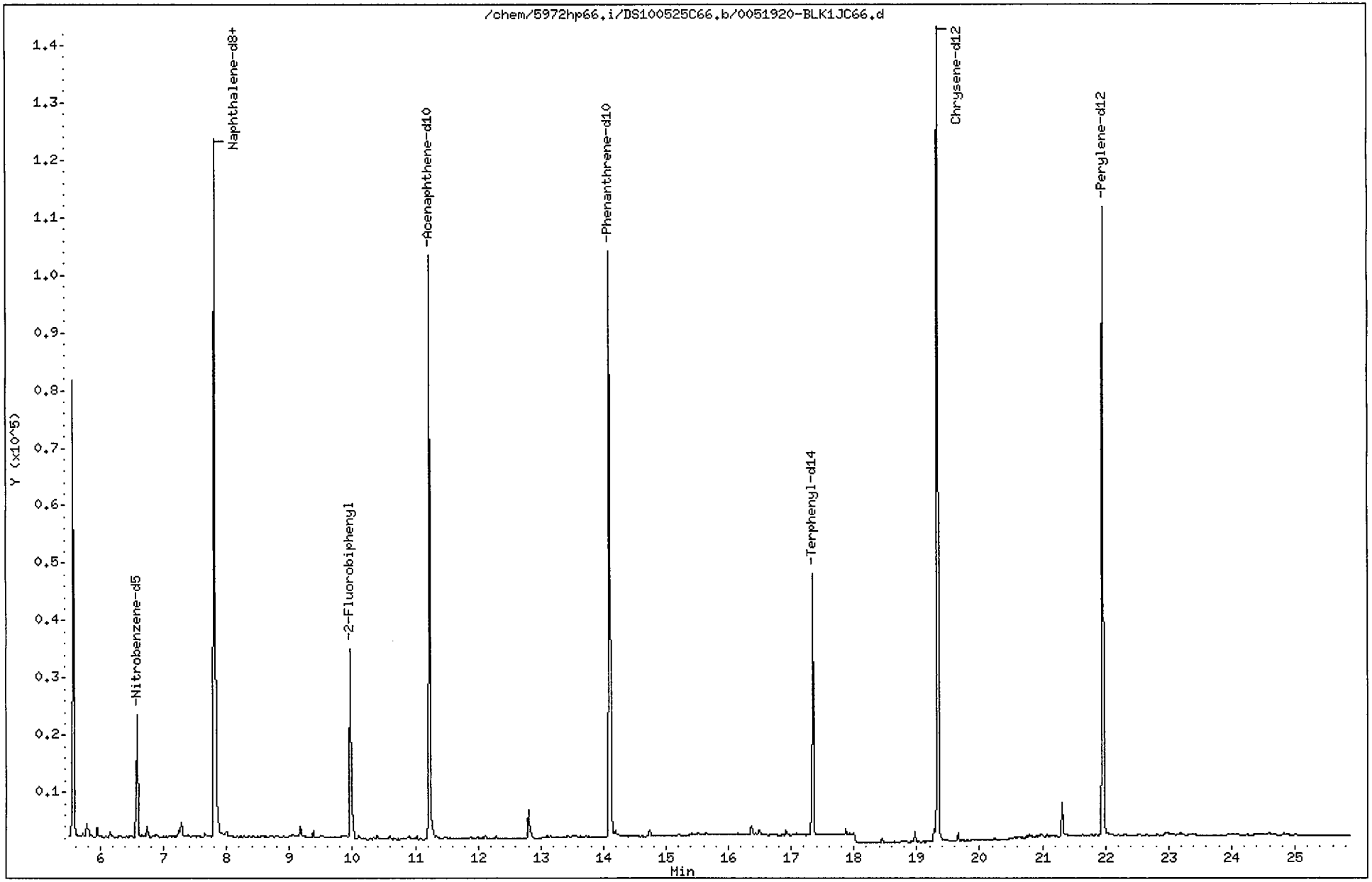
% Moisture: _____ decanted: (Y/N)___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0051920-BLK1

Date Extracted: 05/20/10
Date Analyzed: 05/26/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	0.84	J
91-57-6	2-Methylnaphthalene	0.68	8.3	ND	U
208-96-8	Acenaphthylene	0.53	8.3	ND	U
83-32-9	Acenaphthene	0.60	8.3	ND	U
86-73-7	Fluorene	0.45	8.3	ND	U
85-01-8	Phenanthrene	1.3	8.3	ND	U
120-12-7	Anthracene	0.43	8.3	ND	U
206-44-0	Fluoranthene	1.3	8.3	ND	U
129-00-0	Pyrene	0.57	8.3	ND	U
56-55-3	Benzo(a)anthracene	0.57	8.3	ND	U
218-01-9	Chrysene	0.63	8.3	ND	U
205-99-2	Benzo(b)fluoranthene	0.57	8.3	ND	U
207-08-9	Benzo(k)fluoranthene	0.43	8.3	ND	U
50-32-8	Benzo(a)pyrene	0.38	8.3	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	ND	U
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp66.i/DS100525C66.b/0051920-BLK1JC66.d
Date : 26-MAY-2010 06:47
Client ID: SBLKBP
Instrument: 5972hp66.i
Sample Info: 0051920-BLK1:2743
Volume Injected (uL): 2.0
Operator: 2743
Column phase: Rtx-5MS
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100525C66.b/0051920-BLK1JC66.d
Report Date: 01-Jun-2010 18:06

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100525C66.b/0051920-BLK1JC66.d
Lab Smp Id: 0051920-BLK1 Client Smp ID: SBLKBP
Inj Date : 26-MAY-2010 06:47
Operator : 2743 Inst ID: 5972hp66.i
Smp Info : 0051920-BLK1:2743
Misc Info : SBLKBP
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100525C66.b/SIM_8270Cv2DOD.m
Meth Date : 01-Jun-2010 17:31 byrd Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
* 1 1,4-Dichlorobenzene-d4	152	5.571	5.560	(1.000)	45579	2.00000		(a)
* 2 Naphthalene-d8	136	7.813	7.802	(1.000)	161749	2.00000		(a)
* 3 Acenaphthene-d10	164	11.230	11.231	(1.000)	74966	2.00000		(a)
* 4 Phenanthrene-d10	188	14.101	14.101	(1.000)	141759	2.00000		(a)
* 5 Chrysene-d12	240	19.335	19.336	(1.000)	179070	2.00000		(a)
* 6 Perylene-d12	264	21.961	21.961	(1.000)	144331	2.00000		(a)
$ 9 Nitrobenzene-d5	82	6.575	6.563	(0.841)	24388	0.67759	11	
$ 10 2-Fluorobiphenyl	172	9.964	9.966	(0.887)	54448	0.69601	12	
$ 12 Terphenyl-d14	244	17.347	17.347	(0.897)	55565	0.85401	14	
13 Naphthalene	128	7.839	7.841	(1.003)	5027	0.05025	0.84	(a)
15 2-Methylnaphthalene	141	Compound Not Detected.						
17 Acenaphthylene	152	Compound Not Detected.						
18 Acenaphthene	154	Compound Not Detected.						

06/1/10

Data File: /chem/5972hp66.i/DS100525C66.b/0051920-BLK1JC66.d
Report Date: 01-Jun-2010 18:06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /chem/5972hp66.i/DS100525C66.b/0051920-BLK1JC66.d

Date : 26-MAY-2010 06:47

Client ID: SBLKBP

Instrument: 5972hp66.i

Sample Info: 0051920-BLK1:2743

Volume Injected (uL): 2.0

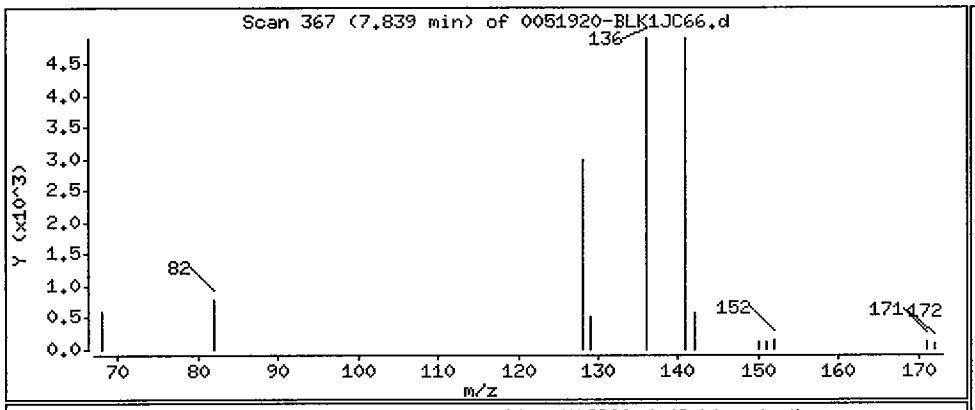
Operator: 2743

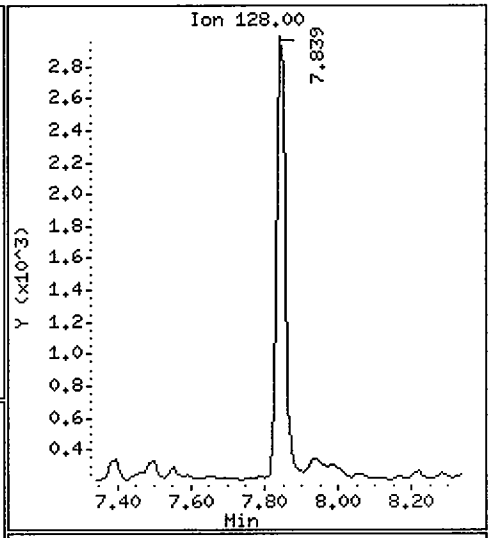
Column phase: Rtx-5MS

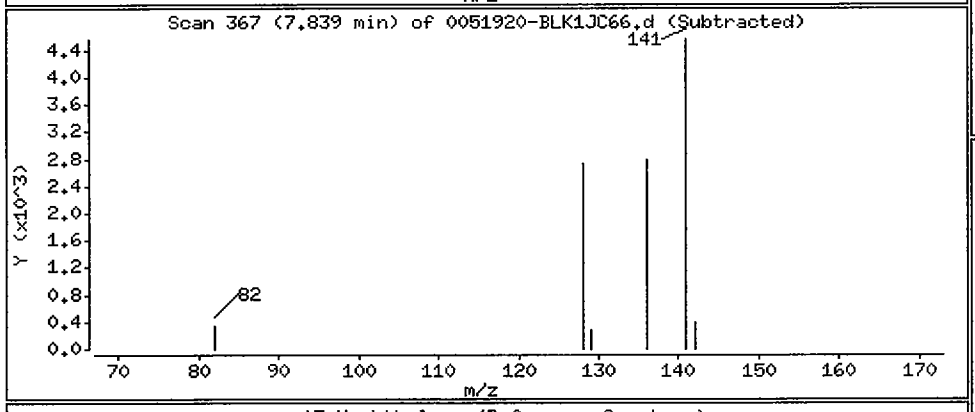
Column diameter: 0.32

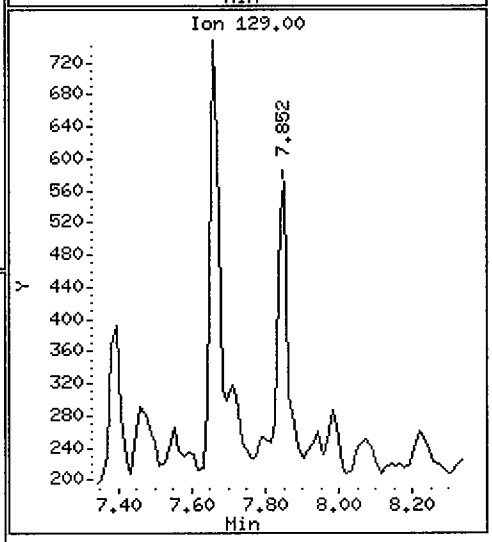
13 Naphthalene

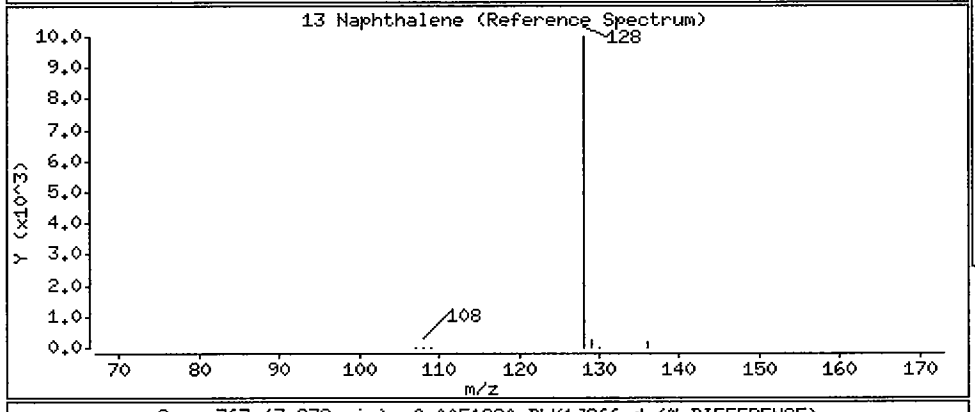
Concentration: 0.84 ug/Kg

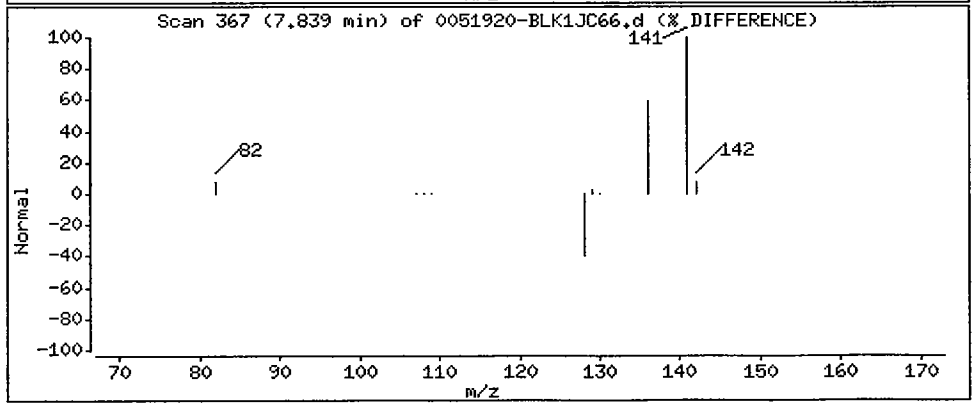












EXTRACTION WORKSHEET

Low Level Soil S-V Method 3550B for 8270C

CompuChem

ASSIGNED TO: T. Williams

EMP ID NUMBER: 1289

SIM 5-20-1

DATE/TIME EXTRACTED: 5-20-10 @ 1320

BATCH NO. 0051920

	COMPUCHEM SAMPLE NUMBER	CLIENT SAMPLE ID	QC SAMPLE TYPE	SAMPLE WEIGHT (g)	FINAL VOLUME (ml)	COMMENTS
1	0051920-BLK1	SBLKBP	MB	30.0	1.0	SAMPLES 1-26 ADDED 0.5ml DIL 393 LOT # 62929 F.V. 1.0ml
2	0051920-BS1	SBPLCS	LCS	30.0	1.0	SAMPLES 27 ADDED 0.5ml DIL 393 LOT # 0E20026 F.V. 1.0ml
3	0051920-BSD1	SBPLCSD	LCSD	30.0	1.0	GPC (3640A) PERFORMED Y (N)
4	0051920-MS1	SB85-1.5-2.5MS	MS1	30.0	1.0	
5	0051920-MS2	SS73-0-1MS	MS2	30.0	1.0	VK 5-20-10
6	0051920-MSD1	SB85-1.5-2.5MSD	MSD1	30.0	1.0	
7	0051920-MSD2	SS73-0-1MSD	MSD2	30.0	1.0	
8	1005132-01	SB85-1.5-2.5	SAMPLE	30.0	1.0	QC1
9	1005132-02	SB78-3.5-4.5	SAMPLE	30.0	1.0	
10	1005132-03	SS77-0-1	SAMPLE	30.0	1.0	
11	1005132-04	SB77-3.5-4.5	SAMPLE	30.0	1.0	
12	1005132-05	SS79-0-1	SAMPLE	30.0	1.0	
13	1005132-06	SB79-11-12	SAMPLE	30.0	1.0	
14	1005132-07	SS83-0-1	SAMPLE	30.0	1.0	
15	1005132-08	SB83-6.5-7.5	SAMPLE	30.0	1.0	VK 5-20-10
16	1005132-09	SS62-0-1	SAMPLE	30.0	1.0	
17	1005132-10	SS74-0-1	SAMPLE	30.0	1.0	
18	1005132-11	SS86-0-1	SAMPLE	30.0	1.0	
19	1005132-12	SB86-3-4	SAMPLE	30.0	1.0	
20	1005132-13	SS84-0-1	SAMPLE	30.0	1.0	
21	1005132-14	SB84-6-7	SAMPLE	30.0	1.0	
22	1005133-01	SS73-0-1	SAMPLE	30.0	1.0	QC2
23	1005134-01	SS02-0-1	SAMPLE	30.0	1.0	
24	1005134-02	SS02D-0-1	SAMPLE	30.0	1.0	
25	1005134-03	SB02-5-6	SAMPLE	30.0	1.0	VK 5-20-10
26	1005134-04	SB02D-5-6	SAMPLE	30.0	1.0	
27	1005134-05	SB05-7-8	SAMPLE	30.0	1.0	

SURROG AMT	NO.	DIL. 393	
	AMT.	0.5 ml	
	LOT	SEE COMMENTS	
SPIKE	NO.		SIM VALID. SPK
	AMT.		0.5 mL
	LOT		082109-03

FINAL VOLUME VERIFIED:

REVIEWED BY:

SURROGATE & SPIKE ADDED BY: TMW 5-20-10 (Initials Date)

Witness SB, 5-20-10 (Initials Date)

Analyst initials. Extracted TMW KD VK N2 VK/TMW Bottle up VK/TMW

Balance ID: SARTORIUS-BL310

Manufacturer and lot number of reagents/solvents used: 50/50 CH_2Cl_2/CH_3COCH_3-2XB-649-3, Na_2SO_4-2XB-649-2, CH_2Cl_2-J17300

12/29/09: RM

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SBLKCO

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0052518-BLK1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0052518-BLK1A66
Analyst: 2650

% Moisture: _____ decanted: (Y/N)___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK1

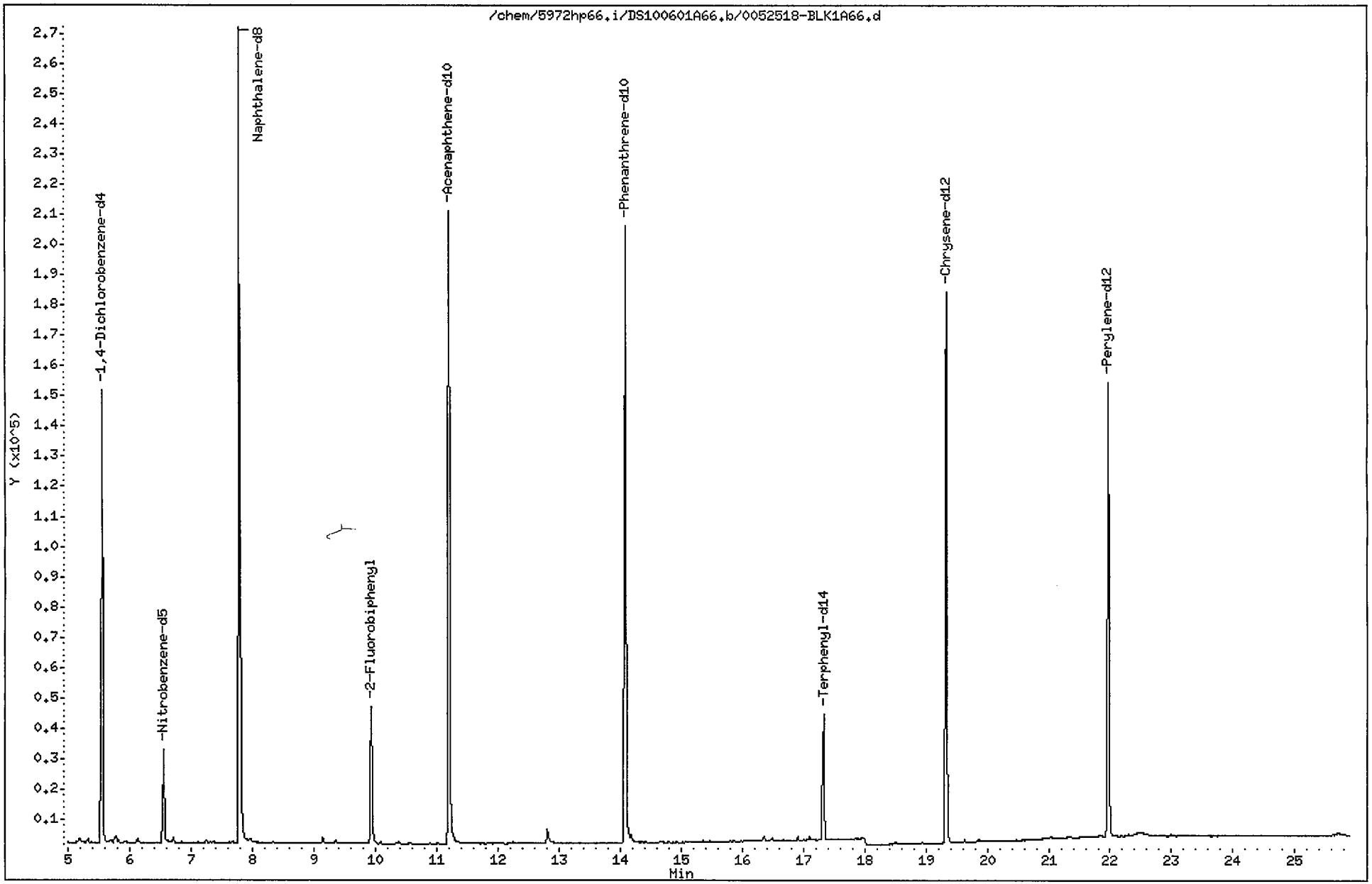
Date Extracted: 05/25/10
Date Analyzed: 06/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	ND	U
91-57-6	2-Methylnaphthalene	0.68	8.3	ND	U
208-96-8	Acenaphthylene	0.53	8.3	ND	U
83-32-9	Acenaphthene	0.60	8.3	ND	U
86-73-7	Fluorene	0.45	8.3	ND	U
85-01-8	Phenanthrene	1.3	8.3	ND	U
120-12-7	Anthracene	0.43	8.3	ND	U
206-44-0	Fluoranthene	1.3	8.3	ND	U
129-00-0	Pyrene	0.57	8.3	ND	U
56-55-3	Benzo(a)anthracene	0.57	8.3	ND	U
218-01-9	Chrysene	0.63	8.3	ND	U
205-99-2	Benzo(b)fluoranthene	0.57	8.3	ND	U
207-08-9	Benzo(k)fluoranthene	0.43	8.3	ND	U
50-32-8	Benzo(a)pyrene	0.38	8.3	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	ND	U
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp66.i/DS100601A66.b/0052518-BLK1A66.d
Date : 01-JUN-2010 19:09
Client ID: SBLKCO
Instrument: 5972hp66.i
Sample Info: 0052518-BLK1:2650
Volume Injected (uL): 2.0
Operator: 2650
Column phase: Rtx-5MS
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100601A66.b/0052518-BLK1A66.d
Report Date: 11-Jun-2010 09:14

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100601A66.b/0052518-BLK1A66.d
Lab Smp Id: 0052518-BLK1 Client Smp ID: SBLKCO
Inj Date : 01-JUN-2010 19:09
Operator : 2650 Inst ID: 5972hp66.i
Smp Info : 0052518-BLK1:2650
Misc Info : SBLKCO
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100601A66.b/SIM_8270Cv2DOD.m
Meth Date : 11-Jun-2010 08:59 perry Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 11 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)	
* 1 1,4-Dichlorobenzene-d4	152	5.558	5.531	(1.000)	103051	2.00000		(a)
* 2 Naphthalene-d8	136	7.787	7.773	(1.000)	364868	2.00000		(a)
* 3 Acenaphthene-d10	164	11.204	11.192	(1.000)	165688	2.00000		(a)
* 4 Phenanthrene-d10	188	14.087	14.074	(1.000)	288808	2.00000		(a)
* 5 Chrysene-d12	240	19.336	19.328	(1.000)	233866	2.00000		(a)
* 6 Perylene-d12	264	21.973	21.960	(1.000)	211321	2.00000		(a)
$ 9 Nitrobenzene-d5	82	6.549	6.534	(0.841)	39623	0.48803	8.1	
$ 10 2-Fluorobiphenyl	172	9.938	9.923	(0.887)	69073	0.39950	6.7	(R)
$ 12 Terphenyl-d14	244	17.334	17.320	(0.896)	52362	0.61622	10	
13 Naphthalene	128	Compound Not Detected.						
15 2-Methylnaphthalene	141	Compound Not Detected.						
17 Acenaphthylene	152	Compound Not Detected.						
18 Acenaphthene	154	Compound Not Detected.						

TMP 6/11/10

Data File: /chem/5972hp66.i/DS100601A66.b/0052518-BLK1A66.d
Report Date: 11-Jun-2010 09:14

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

EXTRACTION WORKSHEET

Low Level Soil S-V Method 3550B for 8270C

ASSIGNED TO: T. WILLIAMS

CompuChem 176 SIM 5-25-5

DATE/TIME EXTRACTED: 5-25-10 @ 1210

EMP ID NUMBER: 1289

BATCH NO. 0052518

502

	COMPUCHEM NUMBER	CLIENT SAMPLE ID	QC SAMPLE TYPE	SAMPLE WEIGHT (g)	FINAL VOLUME (ml)	COMMENTS
1	0052518-BLK1	SBLKCO	MB	30.0	1.0	
2	0052518-BS1	SCOLCS	LCS	30.0		ML 5-25-10
3	0052518-MS1	SB44-5-6MS	MS	30.0		GPC (3640A) PERFORMED Y (N)
4	0052518-MSD1	SB44-5-6MSD	MSD	30.0		
5	1005134-06	SS33-0-1	SAMPLE	30.0		
6	1005134-07	SB33-4-5	SAMPLE	30.0		
7	1005134-08	SB31-5-6	SAMPLE	30.0		ML 5-25-10
8	1005134-09	SS31-0-1	SAMPLE	30.0		
9	1005134-10	SS32-0-1	SAMPLE	30.0		
10	1005134-11	SS32D-0-1	SAMPLE	30.0		
11	1005134-12	SB32-2.5-3.5	SAMPLE	30.0		
12	1005134-13	SB32D-2.5-3.5	SAMPLE	30.0		
13	1005134-14	SB50-1-2	SAMPLE	30.0		
14	1005134-15	SS12-0-1	SAMPLE	30.0		
15	1005134-16	SB12-2-3	SAMPLE	30.0		
16	1005134-17	SS44-0-1	SAMPLE	30.0		
17	1005134-18	SB44-5-6	SAMPLE	30.0		QC
18	1005134-19	SS43-0-1	SAMPLE	30.0		
19	1005134-20	SB43-3-4	SAMPLE	30.0	1.0	
20						ML 5-25-10
21		ML 5-25-10				
22						
23						
24						
25						
26						

		SxyOz	Others
SURROGATE	NO.	DIL. 393	
	AMT.	0.5 ml	
	LOT	OE20026	
SPIKE	NO.		SIM VALID. SPK
	AMT.		0.5 mL
	LOT		082109-03

FINAL VOLUME VERIFIED: M Hart

REVIEWED BY: B. Patterson

SURROGATE & SPIKE ADDED BY: TMW, 5-25-10 (Initials Date)

Witness SB, 5/25/10 (Initials Date)

Analyst initials. Extracted TMW KD VG N2 VG, ML Bottle up ML

Balance ID: SARTORIUS-BL310

Manufacturer and lot number of reagents/solvents used 50/50 CH_2Cl_2/CH_3COCH_3-ZXB-650-4, Na_2SO_4-ZXB-650-1, CH_2Cl_2-J17501

12/29/09: RM

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SBLKOC

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0052518-BLK2
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0052518-BLK1J2B70
Analyst: TD

% Moisture: _____ decanted: (Y/N)___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK2

Date Extracted: 05/25/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

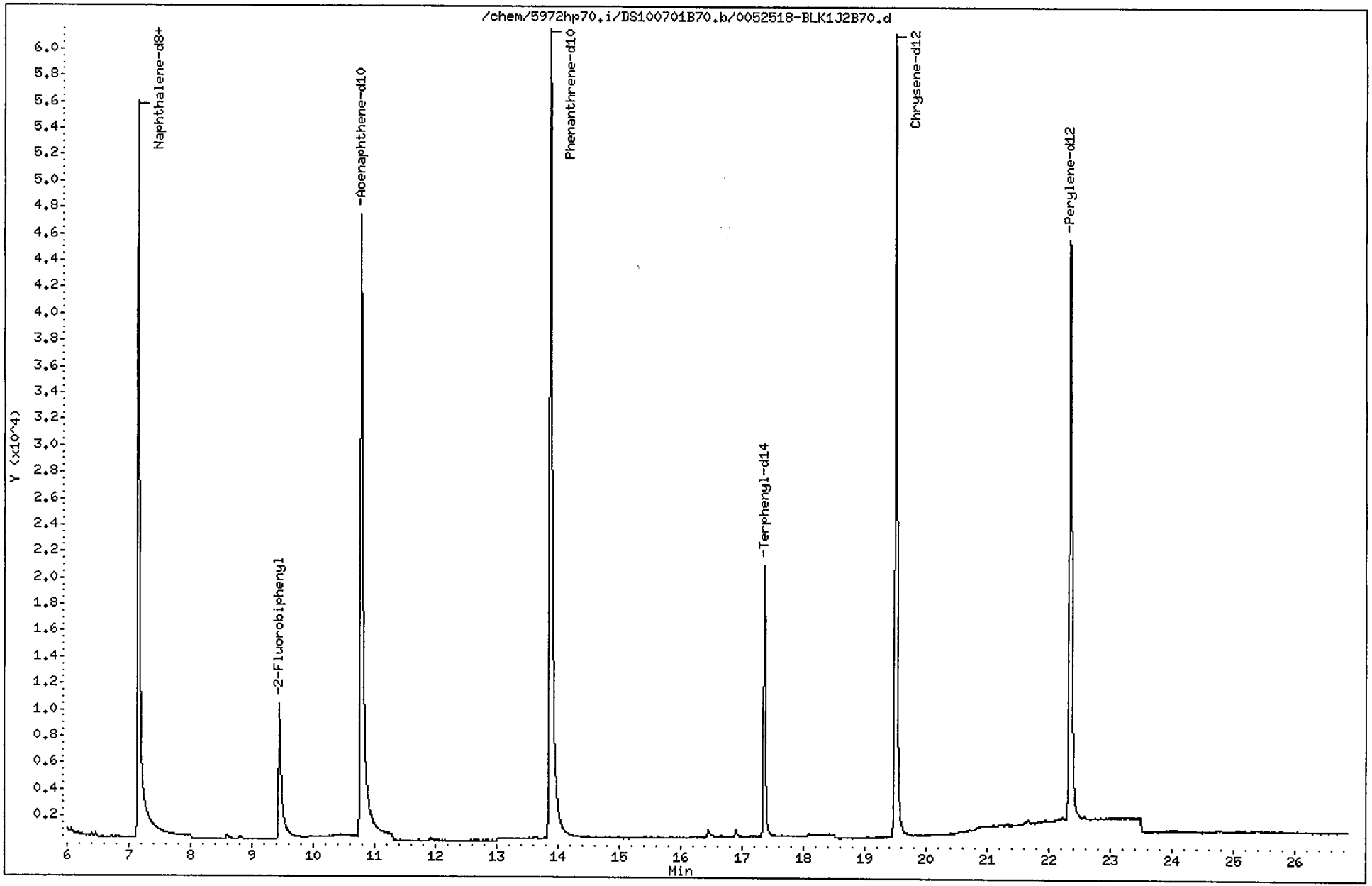
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	0.74	J
91-57-6	2-Methylnaphthalene	0.68	8.3	ND	U
208-96-8	Acenaphthylene	0.53	8.3	ND	U
83-32-9	Acenaphthene	0.60	8.3	ND	U
86-73-7	Fluorene	0.45	8.3	ND	U
85-01-8	Phenanthrene	1.3	8.3	ND	U
120-12-7	Anthracene	0.43	8.3	ND	U
206-44-0	Fluoranthene	1.3	8.3	ND	U
129-00-0	Pyrene	0.57	8.3	ND	U
56-55-3	Benzo(a)anthracene	0.57	8.3	ND	U
218-01-9	Chrysene	0.63	8.3	ND	U
205-99-2	Benzo(b)fluoranthene	0.57	8.3	ND	U
207-08-9	Benzo(k)fluoranthene	0.43	8.3	ND	U
50-32-8	Benzo(a)pyrene	0.38	8.3	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	ND	U
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100701B70.b/0052518-BLK1J2B70.d
Date : 01-JUL-2010 22:26
Client ID: SBLKOC
Sample Info: 0052518-BLK2:TD
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: TD
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701B70.b/0052518-BLK1J2B70.d
Report Date: 06-Jul-2010 16:23

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701B70.b/0052518-BLK1J2B70.d
Lab Smp Id: 0052518-BLK2 Client Smp ID: SBLKOC
Inj Date : 01-JUL-2010 22:26
Operator : TD Inst ID: 5972hp70.i
Smp Info : 0052518-BLK2:TD
Misc Info : SBLKOC
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701B70.b/SIM_8270Cv3DOD.m
Meth Date : 06-Jul-2010 15:50 mead Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
*	1 1,4-Dichlorobenzene-d4	152	4.848	4.848	(1.000)	35331	2.00000		(a)
*	2 Naphthalene-d8	136	7.146	7.162	(1.000)	132050	2.00000		(a)
*	3 Acenaphthene-d10	164	10.777	10.784	(1.000)	77894	2.00000		(a)
*	4 Phenanthrene-d10	188	13.872	13.872	(1.000)	150681	2.00000		(a)
*	5 Chrysene-d12	240	19.499	19.499	(1.000)	116480	2.00000		(a)
*	6 Perylene-d12	264	22.344	22.344	(1.000)	107117	2.00000		(a)
$	9 Nitrobenzene-d5	82	5.876	5.880	(0.822)	20636	0.48292	8.0	
$	10 2-Fluorobiphenyl	172	9.451	9.460	(0.877)	28284	0.52687	8.8	
$	12 Terphenyl-d14	244	17.363	17.362	(0.890)	34801	0.83935	14	
	13 Naphthalene	128	7.185	7.193	(1.005)	3761	0.04460	0.74	(a)
	15 2-Methylnaphthalene	141	Compound Not Detected.						
	17 Acenaphthylene	152	Compound Not Detected.						
	18 Acenaphthene	154	Compound Not Detected.						

pm 7/6/10

Data File: /chem/5972hp70.i/DS100701B70.b/0052518-BLK1J2B70.d
Report Date: 06-Jul-2010 16:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /chem/5972hp70.i/DS100701B70.b/0052518-BLK1J2B70.d

Date : 01-JUL-2010 22:26

Client ID: SBLKOC

Instrument: 5972hp70.i

Sample Info: 0052518-BLK2:TD

Volume Injected (uL): 2.0

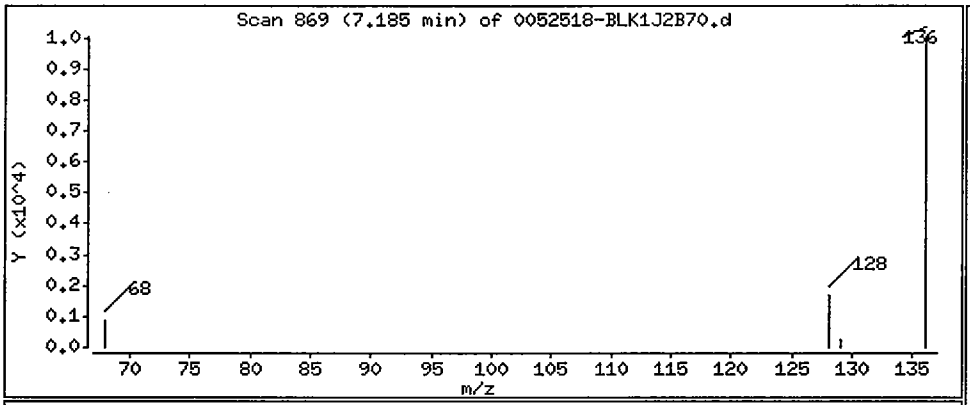
Operator: TD

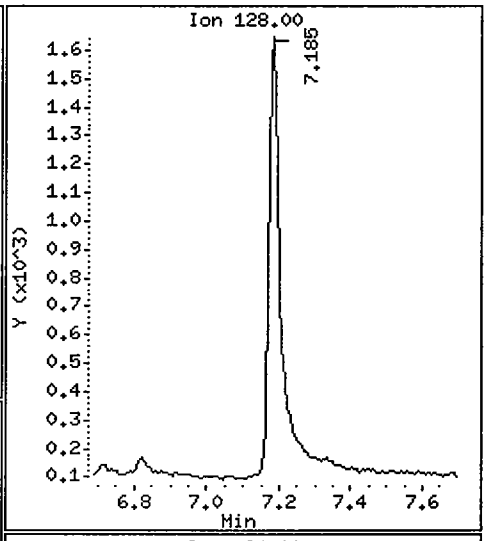
Column phase: Rtx-5MS

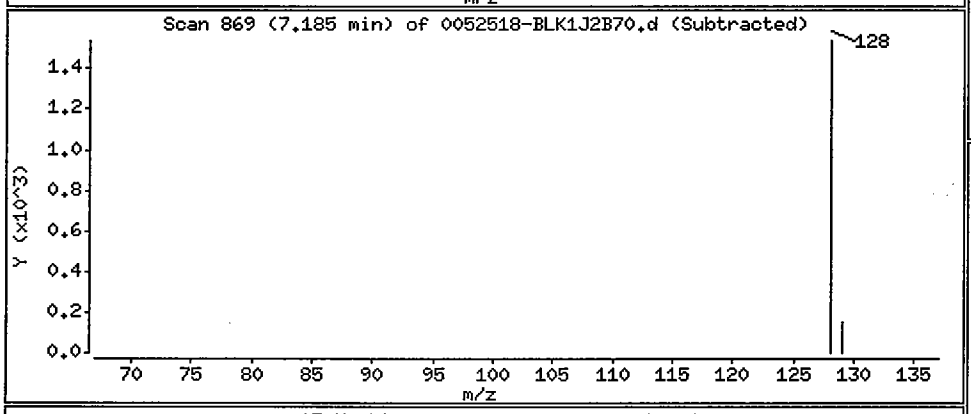
Column diameter: 0.32

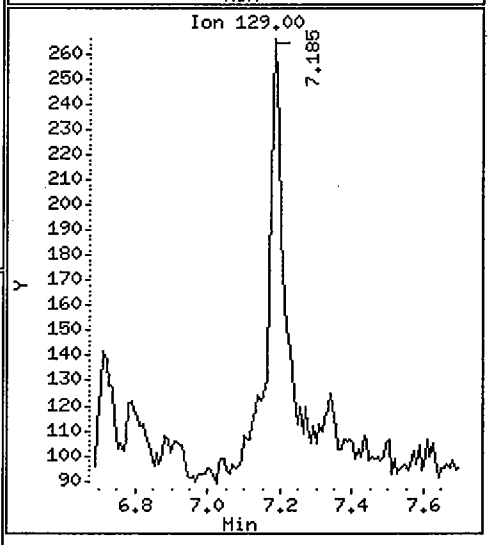
13 Naphthalene

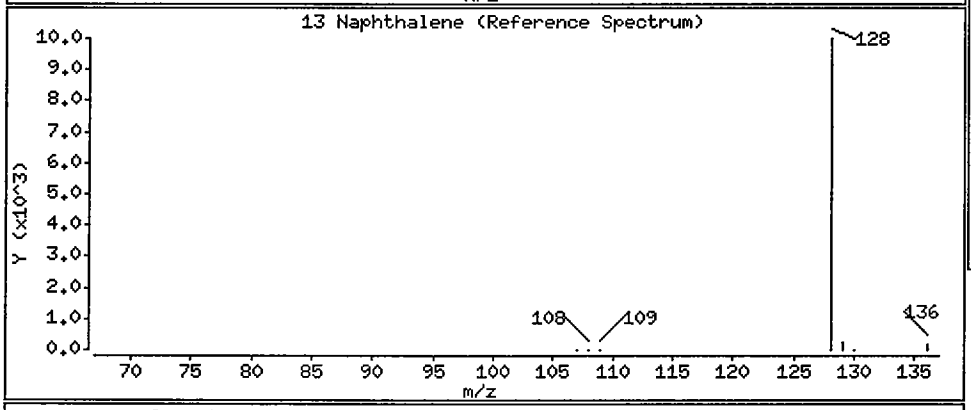
Concentration: 0.74 ug/Kg

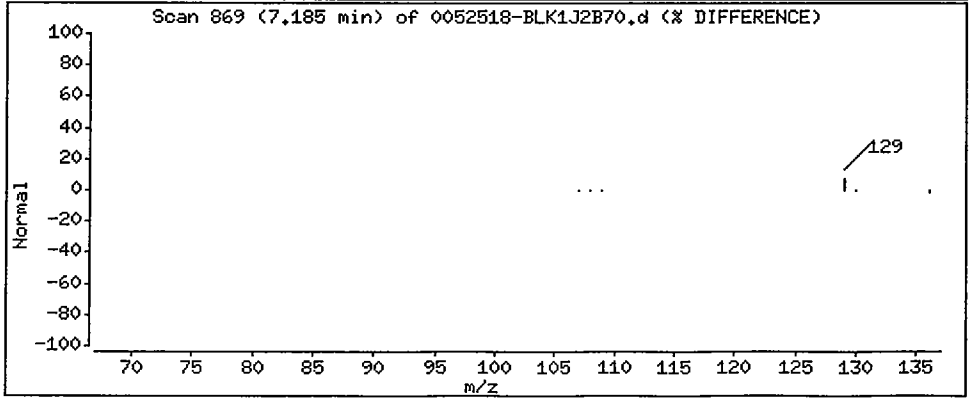












EXTRACTION WORKSHEET

Low Level Soil S-V Method 3550B for 8270C

508

ASSIGNED TO: T. WILLIAMS

CompuChem

EMP ID NUMBER: 1289 | 176 | SIM 5-25-5

DATE/TIME EXTRACTED: 5-25-10 @ 1210

BATCH NO. 0052518

	COMPUCHEM SAMPLE NUMBER	CLIENT SAMPLE ID	QC SAMPLE TYPE	SAMPLE WEIGHT (g)	FINAL VOLUME (ml)	COMMENTS
1	0052518-BLK1	SBLKCO	MB	30.0	1.0	
2	0052518-BS1	SCOLCS	LCS	30.0		ML 5-25-10
3	0052518-MS1	SB44-5-6MS	MS	30.0		GPC (3640A) PERFORMED Y (N)
4	0052518-MSD1	SB44-5-6MSD	MSD	30.0		
5	1005134-06	SS33-0-1	SAMPLE	30.0		
6	1005134-07	SB33-4-5	SAMPLE	30.0		
7	1005134-08	SB31-5-6	SAMPLE	30.0		ML 5-25-10
8	1005134-09	SS31-0-1	SAMPLE	30.0		
9	1005134-10	SS32-0-1	SAMPLE	30.0		
10	1005134-11	SS32D-0-1	SAMPLE	30.0		
11	1005134-12	SB32-2.5-3.5	SAMPLE	30.0		
12	1005134-13	SB32D-2.5-3.5	SAMPLE	30.0		
13	1005134-14	SB50-1-2	SAMPLE	30.0		
14	1005134-15	SS12-0-1	SAMPLE	30.0		
15	1005134-16	SB12-2-3	SAMPLE	30.0		
16	1005134-17	SS44-0-1	SAMPLE	30.0		
17	1005134-18	SB44-5-6	SAMPLE	30.0		QC
18	1005134-19	SS43-0-1	SAMPLE	30.0		
19	1005134-20	SB43-3-4	SAMPLE	30.0	1.0	
20						
21		ML 5-25-10				ML 5-25-10
22						
23						
24						
25						
26						

		Vol	Others
SURROGATE	NO.	DIL. 393	
	AMT.	0.5 ml	
	LOT	OE2002G	
SPIKE	NO.		SIM VALID. SPK
	AMT.		0.5 mL
	LOT		082109-13

FINAL VOLUME VERIFIED: M Hall

REVIEWED BY: B. Patton

SURROGATE & SPIKE ADDED BY: TMW, 5-25-10 (Initials Date)

Witness JB, 5/25/10 (Initials Date)

Analyst initials. Extracted TMW KD VG N2 VG, ML Bottle up ML

Balance ID: SARTORIUS-BL310

Manufacturer and lot number of reagents/solvents used 50/50 CH_2Cl_2/CH_3COCH_3-ZXB-650-4, Na_2SO_4-ZXB-650-1, CH_2Cl_2-J17501

12/29/09: RM

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SBLKEI

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0060203-BLK1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0060203-BLK1A70
Analyst: OWS

% Moisture: _____ decanted: (Y/N) ___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

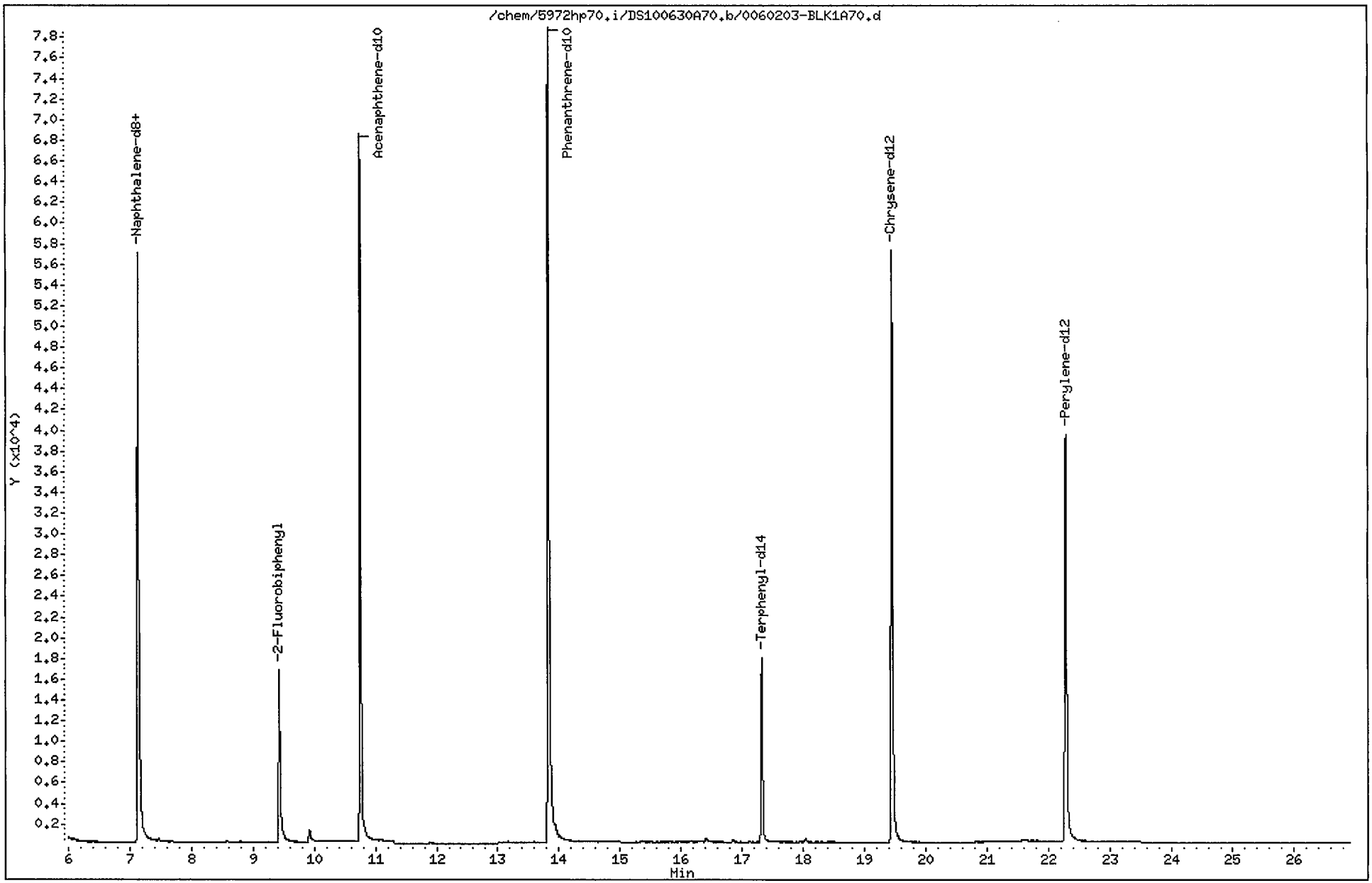
Date Extracted: 06/02/10
Date Analyzed: 06/30/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	0.87	J
91-57-6	2-Methylnaphthalene	0.68	8.3	ND	U
208-96-8	Acenaphthylene	0.53	8.3	ND	U
83-32-9	Acenaphthene	0.60	8.3	ND	U
86-73-7	Fluorene	0.45	8.3	ND	U
85-01-8	Phenanthrene	1.3	8.3	ND	U
120-12-7	Anthracene	0.43	8.3	ND	U
206-44-0	Fluoranthene	1.3	8.3	ND	U
129-00-0	Pyrene	0.57	8.3	ND	U
56-55-3	Benzo(a)anthracene	0.57	8.3	ND	U
218-01-9	Chrysene	0.63	8.3	ND	U
205-99-2	Benzo(b)fluoranthene	0.57	8.3	ND	U
207-08-9	Benzo(k)fluoranthene	0.43	8.3	ND	U
50-32-8	Benzo(a)pyrene	0.38	8.3	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	ND	U
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100630A70.b/0060203-BLK1A70.d
Date : 30-JUN-2010 17:48
Client ID: SBLKEI
Instrument: 5972hp70.i
Sample Info: 0060203-BLK1:OWS
Volume Injected (uL): 2.0
Operator: OWS
Column phase: Rtx-5MS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630A70.b/0060203-BLK1A70.d
Report Date: 01-Jul-2010 14:41

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630A70.b/0060203-BLK1A70.d
Lab Smp Id: 0060203-BLK1 Client Smp ID: SBLKEI
Inj Date : 30-JUN-2010 17:48
Operator : OWS Inst ID: 5972hp70.i
Smp Info : 0060203-BLK1:OWS
Misc Info : SBLKEI
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Meth Date : 01-Jul-2010 13:49 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 8 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
* 1 1,4-Dichlorobenzene-d4	152	4.843	4.822	(1.000)	27489	2.00000		(a)
* 2 Naphthalene-d8	136	7.139	7.129	(1.000)	95449	2.00000		(a)
* 3 Acenaphthene-d10	164	10.751	10.757	(1.000)	58222	2.00000		(a)
* 4 Phenanthrene-d10	188	13.832	13.829	(1.000)	115795	2.00000		(a)
* 5 Chrysene-d12	240	19.450	19.454	(1.000)	84892	2.00000		(a)
* 6 Perylene-d12	264	22.287	22.287	(1.000)	74334	2.00000		(a)
$ 9 Nitrobenzene-d5	82	5.876	5.849	(0.823)	19090	0.61804	10	
$ 10 2-Fluorobiphenyl	172	9.429	9.428	(0.877)	25295	0.63039	11	
$ 12 Terphenyl-d14	244	17.327	17.326	(0.891)	23738	0.78556	13	
13 Naphthalene	128	7.170	7.160	(1.004)	3165	0.05193	0.87	(a)
15 2-Methylnaphthalene	141	Compound Not Detected.						
17 Acenaphthylene	152	Compound Not Detected.						
18 Acenaphthene	154	Compound Not Detected.						

br 7/1/10

Data File: /chem/5972hp70.i/DS100630A70.b/0060203-BLK1A70.d
Report Date: 01-Jul-2010 14:41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

EXTRACTION WORKSHEET

Low Level Soil S-V Method 3550B for 8270C

CompuChem

ASSIGNED TO: T. Williams

EMP ID NUMBER: 1289

176 SIM

6-2-2 DATE/TIME EXTRACTED: 6-2-10 1030

BATCH NO. 0060203

	COMPUCHEM NUMBER	CLIENT SAMPLE ID	QC SAMPLE TYPE	SAMPLE WEIGHT (g)	FINAL VOLUME (ml)	COMMENTS
1	0060203-BLK1	SBLKEI	MB	30.0	1.0	
2	0060203-BS1	SEILCS	LCS	30.0	1.0	ML 6-2-10
3	0060203-MS1	SB44-5-6MS	MS	30.0	1.0	GPC (3640A) PERFORMED Y / N
4	0060203-MSD1	SB44-5-6MSD	MSD	30.0	1.0	
5	1005134-06RE1	SS33-0-1	SAMPLE	30.0	1.0	
6	1005134-07RE1	SB33-4-5	SAMPLE	30.0	1.0	
7	1005134-08RE1	SB31-5-6	SAMPLE	30.0	1.0	ML 6-2-10
8	1005134-09RE1	SS31-0-1	SAMPLE	30.0	1.0	
9	1005134-10RE1	SS32-0-1	SAMPLE	30.0	1.0	
10	1005134-11RE1	SS32D-0-1	SAMPLE	30.0	1.0	
11	1005134-12RE1	SB32-2.5-3.5	SAMPLE	30.0	1.0	
12	1005134-13RE1	SB32D-2.5-3.5	SAMPLE	30.0	1.0	
13	1005134-14RE1	SB50-1-2	SAMPLE	30.0	1.0	
14	1005134-15RE1	SS12-0-1	SAMPLE	30.0	1.0	
15	1005134-16RE1	SB12-2-3	SAMPLE	30.0	1.0	
16	1005134-17RE1	SS44-0-1	SAMPLE	30.0	1.0	
17	1005134-18RE1	SB44-5-6	SAMPLE	30.0	1.0	QC
18	1005134-19RE1	SS43-0-1	SAMPLE	30.0	1.0	
19	1005134-20RE1	SB43-3-4	SAMPLE	30.0	1.0	
20						
21						ML 6-2-10
22		ML 6-2-10				
23						
24						
25						
26						

		S-VOL	Others
SURROGATE	NO.	DIL. 393	
	AMT.	0.5 ml	
	LOT	0E20026	
SPIKE	NO.		SIM VALID. SPK
	AMT.		0.5 mL
	LOT		030810-05

FINAL VOLUME VERIFIED: MLH

REVIEWED BY:

SURROGATE & SPIKE ADDED BY: TMW, 6-2-10 (Initials Date)

Witness AM, 6-2-10 (Initials Date)

Analyst initials. Extracted TMW KD ML N2 ML Bottle up ML

Balance ID: STRTORIUS-BL310

Manufacturer and lot number of reagents/solvents used 50/50 CH_2Cl_2/CH_3COCH_3-ZXB-652-1, Na_2SO_4-ZXB-653-1

12/29/09: RM

c. Laboratory Control Sample Data

Arranged in chronological order, by extraction date.

- Tabulated Results (Form I SV)

- Chromatogram and quantitation report

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SBPLCS

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0051920-BS1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0051920-BS1JC66
Analyst: 2743

% Moisture: 0 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0051920-BLK1

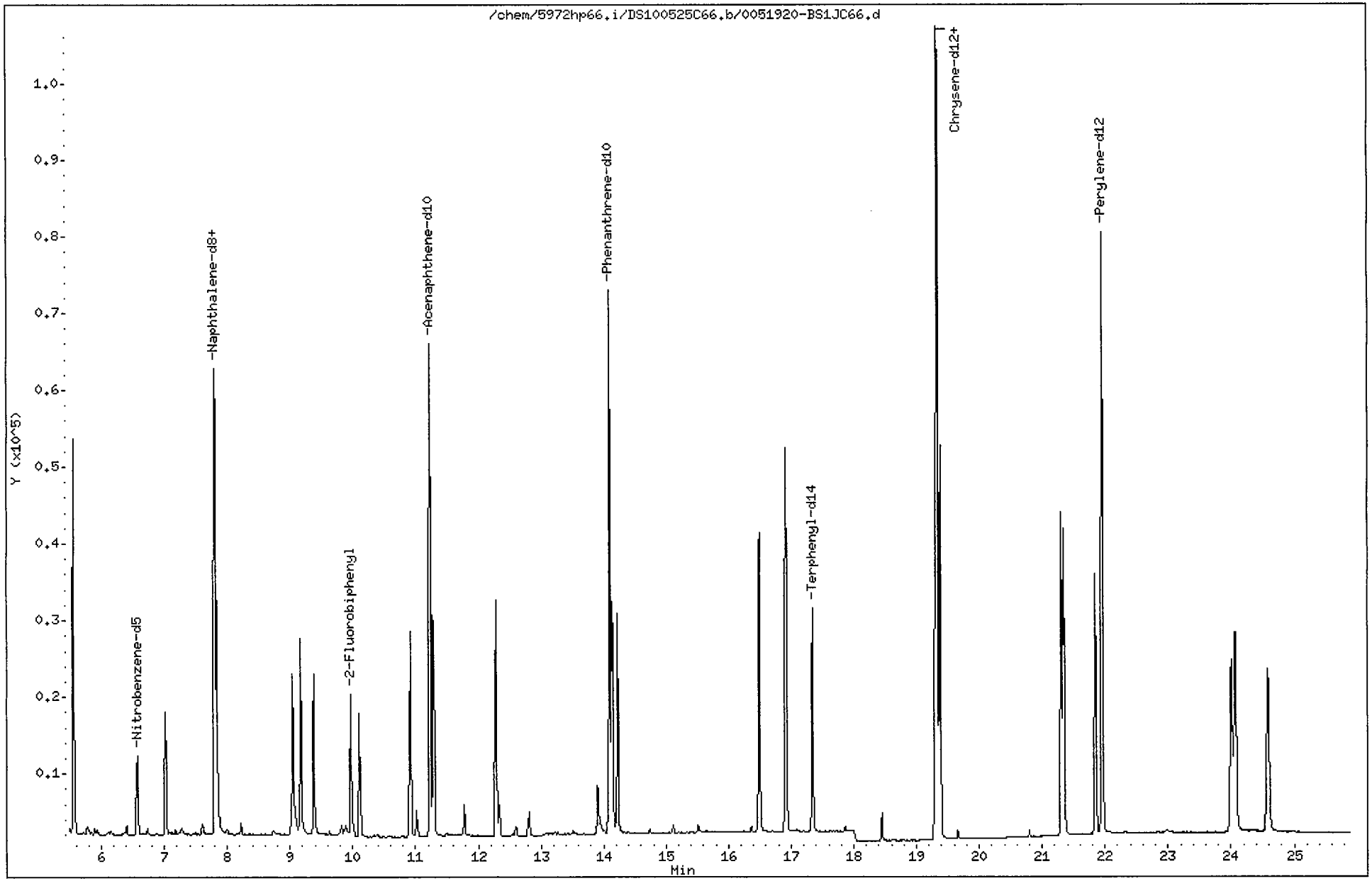
Date Extracted: 05/20/10
Date Analyzed: 05/26/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	10	B
91-57-6	2-Methylnaphthalene	0.68	8.3	9.3	
208-96-8	Acenaphthylene	0.53	8.3	10	
83-32-9	Acenaphthene	0.60	8.3	10	
86-73-7	Fluorene	0.45	8.3	8.6	
85-01-8	Phenanthrene	1.3	8.3	12	
120-12-7	Anthracene	0.43	8.3	11	
206-44-0	Fluoranthene	1.3	8.3	11	
129-00-0	Pyrene	0.57	8.3	11	
56-55-3	Benzo(a)anthracene	0.57	8.3	14	
218-01-9	Chrysene	0.63	8.3	13	
205-99-2	Benzo(b)fluoranthene	0.57	8.3	13	
207-08-9	Benzo(k)fluoranthene	0.43	8.3	13	
50-32-8	Benzo(a)pyrene	0.38	8.3	11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	11	
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	11	
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	9.7	

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp66.i/DS100525C66.b/0051920-BS1JC66.d
Date : 26-MAY-2010 07:21
Client ID: SBPLCS
Instrument: 5972hp66.i
Sample Info: 0051920-BS1:2743
Volume Injected (uL): 2.0
Operator: 2743
Column phase: Rtx-5MS
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100525C66.b/0051920-BS1JC66.d
Report Date: 01-Jun-2010 18:07

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100525C66.b/0051920-BS1JC66.d
Lab Smp Id: 0051920-BS1 Client Smp ID: SBPLCS
Inj Date : 26-MAY-2010 07:21
Operator : 2743 Inst ID: 5972hp66.i
Smp Info : 0051920-BS1:2743
Misc Info : SBPLCS
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100525C66.b/SIM_8270Cv2DOD.m
Meth Date : 01-Jun-2010 18:07 byrd Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
* 1 1,4-Dichlorobenzene-d4	152	5.560	5.560	(1.000)	27317	2.00000		(a)
* 2 Naphthalene-d8	136	7.802	7.802	(1.000)	94276	2.00000		(a)
* 3 Acenaphthene-d10	164	11.230	11.231	(1.000)	45876	2.00000		(a)
* 4 Phenanthrene-d10	188	14.100	14.101	(1.000)	96377	2.00000		(a)
* 5 Chrysene-d12	240	19.336	19.336	(1.000)	140645	2.00000		(a)
* 6 Perylene-d12	264	21.960	21.961	(1.000)	109682	2.00000		(a)
$ 9 Nitrobenzene-d5	82	6.577	6.563	(0.843)	12050	0.57441	9.6	
$ 10 2-Fluorobiphenyl	172	9.966	9.966	(0.887)	27063	0.56531	9.4	
$ 12 Terphenyl-d14	244	17.347	17.347	(0.897)	36985	0.72374	12	
13 Naphthalene	128	7.841	7.841	(1.005)	35826	0.61436	10	
15 2-Methylnaphthalene	141	9.171	9.170	(0.817)	18306	0.55734	9.3	
17 Acenaphthylene	152	10.917	10.918	(0.972)	31460	0.61392	10	
18 Acenaphthene	154	11.295	11.283	(1.006)	18808	0.62643	10	

6/1/10

Data File: /chem/5972hp66.i/DS100525C66.b/0051920-BS1JC66.d
Report Date: 01-Jun-2010 18:07

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	12.285	12.273	(0.871)	23150	0.51324	8.6
25 Phenanthrene	178	14.139	14.140	(1.003)	42155	0.70145	12
26 Anthracene	178	14.231	14.231	(1.009)	35755	0.66144	11
27 Fluoranthene	202	16.499	16.500	(0.853)	60149	0.64496	11
28 Pyrene	202	16.916	16.917	(0.875)	66709	0.65683	11
29 Benzo(a)anthracene	228	19.301	19.301	(0.998)	63123	0.82562	14
30 Chrysene	228	19.380	19.379	(1.002)	63963	0.77240	13
31 Benzo(b)fluoranthene	252	21.307	21.308	(0.970)	58327	0.80636	13
32 Benzo(k)fluoranthene	252	21.351	21.352	(0.972)	59320	0.76207	13
33 Benzo(a)pyrene	252	21.851	21.853	(0.995)	44520	0.68298	11
34 Indeno(1,2,3-cd)pyrene	276	24.007	24.008	(1.093)	37179	0.64651	11
35 Dibenzo(a,h)anthracene	278	24.072	24.073	(1.096)	36162	0.63569	11
36 Benzo(g,h,i)perylene	276	24.583	24.595	(1.119)	37081	0.58176	9.7

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SBPLCSD

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0051920-BSD1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0051920-BSD1A66
Analyst: 2730

% Moisture: 0 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0051920-BLK1

Date Extracted: 05/20/10
Date Analyzed: 05/26/10
Dilution Factor: 1.0

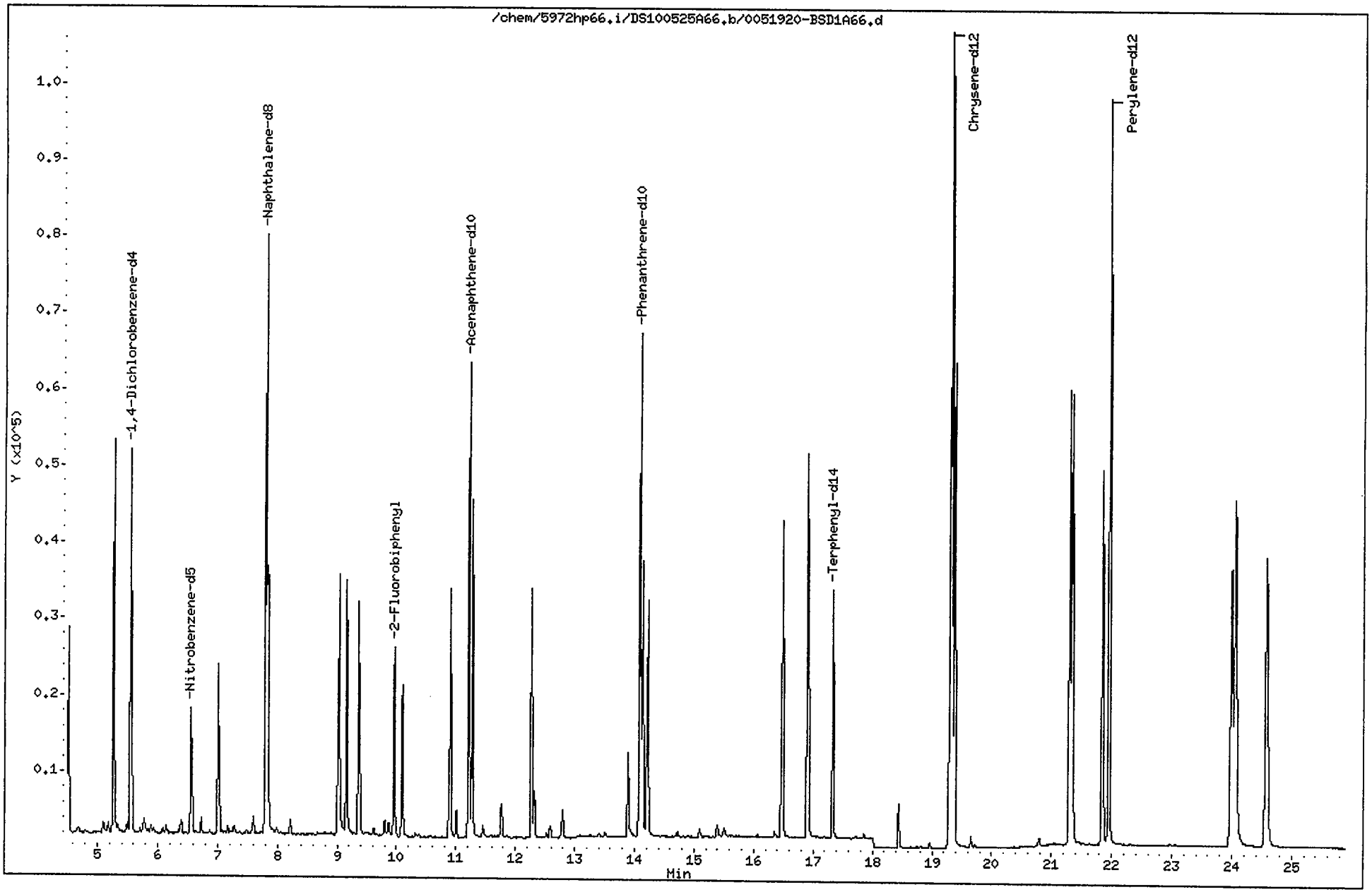
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	13	B
91-57-6	2-Methylnaphthalene	0.68	8.3	12	
208-96-8	Acenaphthylene	0.53	8.3	12	
83-32-9	Acenaphthene	0.60	8.3	13	
86-73-7	Fluorene	0.45	8.3	12	
85-01-8	Phenanthrene	1.3	8.3	15	
120-12-7	Anthracene	0.43	8.3	13	
206-44-0	Fluoranthene	1.3	8.3	11	
129-00-0	Pyrene	0.57	8.3	12	
56-55-3	Benzo(a)anthracene	0.57	8.3	16	
218-01-9	Chrysene	0.63	8.3	16	
205-99-2	Benzo(b)fluoranthene	0.57	8.3	16	
207-08-9	Benzo(k)fluoranthene	0.43	8.3	16	
50-32-8	Benzo(a)pyrene	0.38	8.3	14	
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	15	
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	15	
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	14	

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp66.i/DS100525A66.b/0051920-BSD1A66.d
Date : 26-MAY-2010 00:05
Client ID: SBPLCSD
Sample Info: 0051920-BSD1:2730
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: 2730
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100525A66.b/0051920-BSD1A66.d
Report Date: 03-Jun-2010 12:30

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100525A66.b/0051920-BSD1A66.d
Lab Smp Id: 0051920-BSD1 Client Smp ID: SBPLCSD
Inj Date : 26-MAY-2010 00:05
Operator : 2730 Inst ID: 5972hp66.i
Smp Info : 0051920-BSD1:2730
Misc Info : SBPLCSD
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100525A66.b/SIM_8270Cv2DOD.m
Meth Date : 03-Jun-2010 10:56 henning Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 7 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	5.556	5.548	(1.000)	28030	2.00000	(a)
* 2 Naphthalene-d8	136	7.798	7.803	(1.000)	100906	2.00000	(a)
* 3 Acenaphthene-d10	164	11.218	11.218	(1.000)	46346	2.00000	(a)
* 4 Phenanthrene-d10	188	14.087	14.086	(1.000)	86084	2.00000	(a)
* 5 Chrysene-d12	240	19.319	19.327	(1.000)	137416	2.00000	(a)
* 6 Perylene-d12	264	21.951	21.951	(1.000)	131639	2.00000	(a)
$ 9 Nitrobenzene-d5	82	6.560	6.565	(0.841)	16495	0.73463	12
$ 10 2-Fluorobiphenyl	172	9.962	9.967	(0.888)	26952	0.55729	9.3
$ 12 Terphenyl-d14	244	17.333	17.333	(0.897)	38752	0.77614	13
13 Naphthalene	128	7.825	7.829	(1.003)	50208	0.80442	13
15 2-Methylnaphthalene	141	9.154	9.159	(0.816)	24396	0.73522	12
17 Acenaphthylene	152	10.905	10.905	(0.972)	37540	0.72514	12
18 Acenaphthene	154	11.270	11.283	(1.005)	23567	0.77697	13

Data File: /chem/5972hp66.i/DS100525A66.b/0051920-BSD1A66.d
Report Date: 03-Jun-2010 12:30

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	12.274	12.273	(0.871)	28344	0.70353	12
25 Phenanthrene	178	14.126	14.139	(1.003)	47718	0.88896	15
26 Anthracene	178	14.217	14.217	(1.009)	38624	0.79995	13
27 Fluoranthene	202	16.486	16.485	(0.853)	61602	0.67606	11
28 Pyrene	202	16.903	16.916	(0.875)	68840	0.69374	12
29 Benzo(a)anthracene	228	19.292	19.292	(0.999)	72839	0.97509	16
30 Chrysene	228	19.371	19.370	(1.003)	79911	0.98766	16
31 Benzo(b)fluoranthene	252	21.298	21.298	(0.970)	81971	0.94421	16
32 Benzo(k)fluoranthene	252	21.341	21.341	(0.972)	87522	0.93683	16
33 Benzo(a)pyrene	252	21.842	21.842	(0.995)	65377	0.83566	14
34 Indeno(1,2,3-cd)pyrene	276	23.997	23.997	(1.093)	61573	0.89211	15
35 Dibenzo(a,h)anthracene	278	24.062	24.062	(1.096)	60653	0.88838	15
36 Benzo(g,h,i)perylene	276	24.574	24.585	(1.119)	66144	0.86464	14

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SCOLCS

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0052518-BS1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0052518-BS1A66
Analyst: 2650

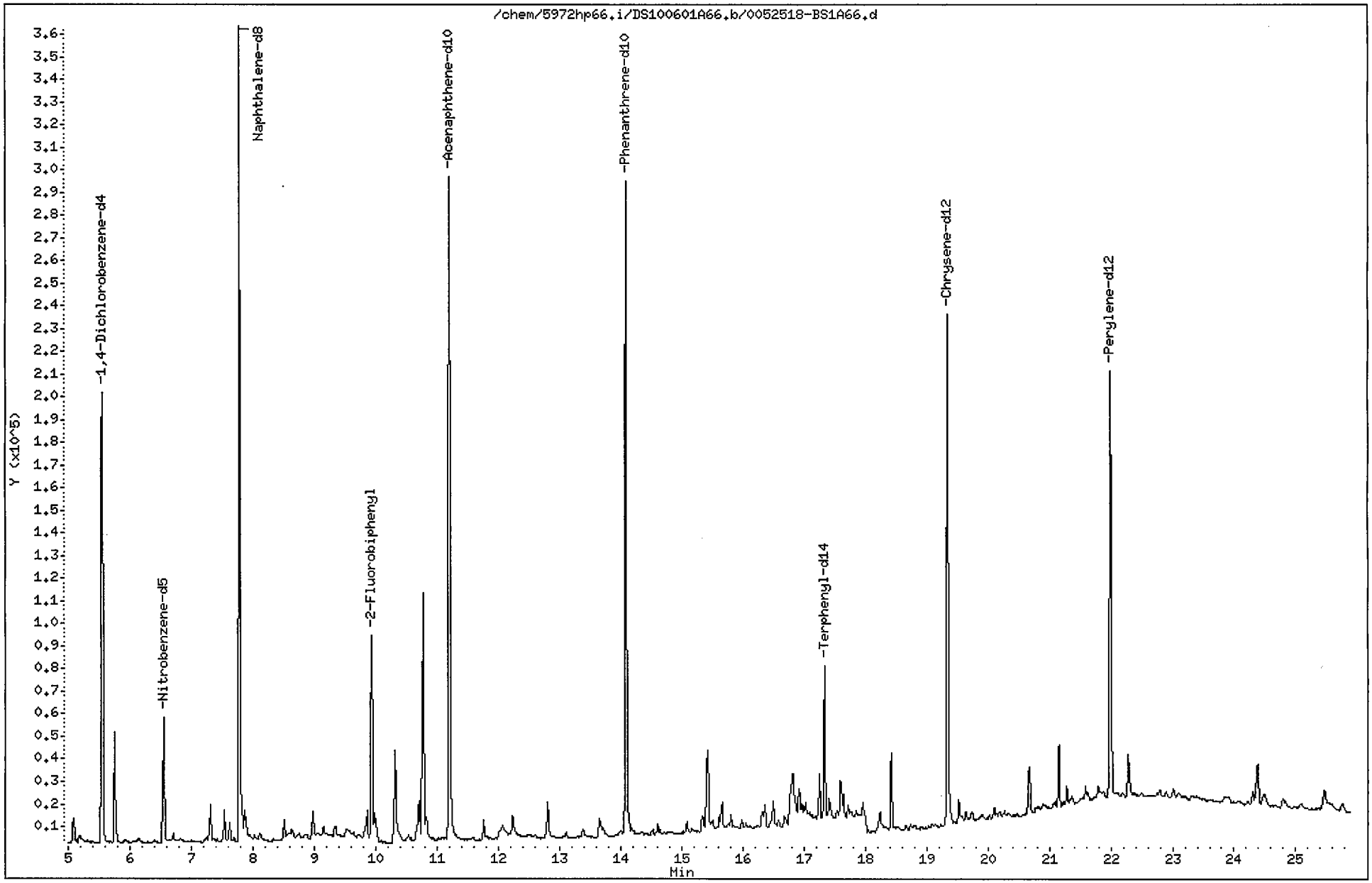
% Moisture: 0 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK1

Date Extracted: 05/25/10
Date Analyzed: 06/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	ND	U
91-57-6	2-Methylnaphthalene	0.68	8.3	ND	U
208-96-8	Acenaphthylene	0.53	8.3	ND	U
83-32-9	Acenaphthene	0.60	8.3	ND	U
86-73-7	Fluorene	0.45	8.3	ND	U
85-01-8	Phenanthrene	1.3	8.3	ND	U
120-12-7	Anthracene	0.43	8.3	ND	U
206-44-0	Fluoranthene	1.3	8.3	ND	U
129-00-0	Pyrene	0.57	8.3	0.77	J
56-55-3	Benzo(a)anthracene	0.57	8.3	ND	U
218-01-9	Chrysene	0.63	8.3	ND	U
205-99-2	Benzo(b)fluoranthene	0.57	8.3	ND	U
207-08-9	Benzo(k)fluoranthene	0.43	8.3	ND	U
50-32-8	Benzo(a)pyrene	0.38	8.3	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	ND	U
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp66.i/DS100601A66.b/0052518-BS1A66.d
Date : 01-JUN-2010 19:43
Client ID: SCOLCS
Instrument: 5972hp66.i
Sample Info: 0052518-BS1:2650
Volume Injected (uL): 2.0
Operator: 2650
Column phase: Rtx-5MS
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100601A66.b/0052518-BS1A66.d
Report Date: 01-Jul-2010 15:51

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100601A66.b/0052518-BS1A66.d
Lab Smp Id: 0052518-BS1 Client Smp ID: SCOLCS
Inj Date : 01-JUN-2010 19:43
Operator : 2650 Inst ID: 5972hp66.i
Smp Info : 0052518-BS1:2650
Misc Info : SCOLCS
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100601A66.b/SIM_8270Cv2DOD.m
Meth Date : 01-Jul-2010 15:47 byrd Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 12 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50
Processing Host: einstein

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
* 1 1,4-Dichlorobenzene-d4	152	5.557	5.531	(1.000)	133841	2.00000		(a)
* 2 Naphthalene-d8	136	7.786	7.773	(1.000)	499225	2.00000		(a)
* 3 Acenaphthene-d10	164	11.204	11.192	(1.000)	219909	2.00000		(a)
* 4 Phenanthrene-d10	188	14.087	14.074	(1.000)	400412	2.00000		(a)
* 5 Chrysene-d12	240	19.344	19.328	(1.000)	316799	2.00000		(a)
* 6 Perylene-d12	264	21.993	21.960	(1.000)	273432	2.00000		(a)
$ 9 Nitrobenzene-d5	82	6.548	6.534	(0.841)	60553	0.54509	9.1	
$ 10 2-Fluorobiphenyl	172	9.937	9.923	(0.887)	87344	0.38062	6.3	(R)
$ 12 Terphenyl-d14	244	17.334	17.320	(0.896)	81314	0.70642	12	
13 Naphthalene	128	Compound Not Detected.						
15 2-Methylnaphthalene	141	Compound Not Detected.						
17 Acenaphthylene	152	Compound Not Detected.						

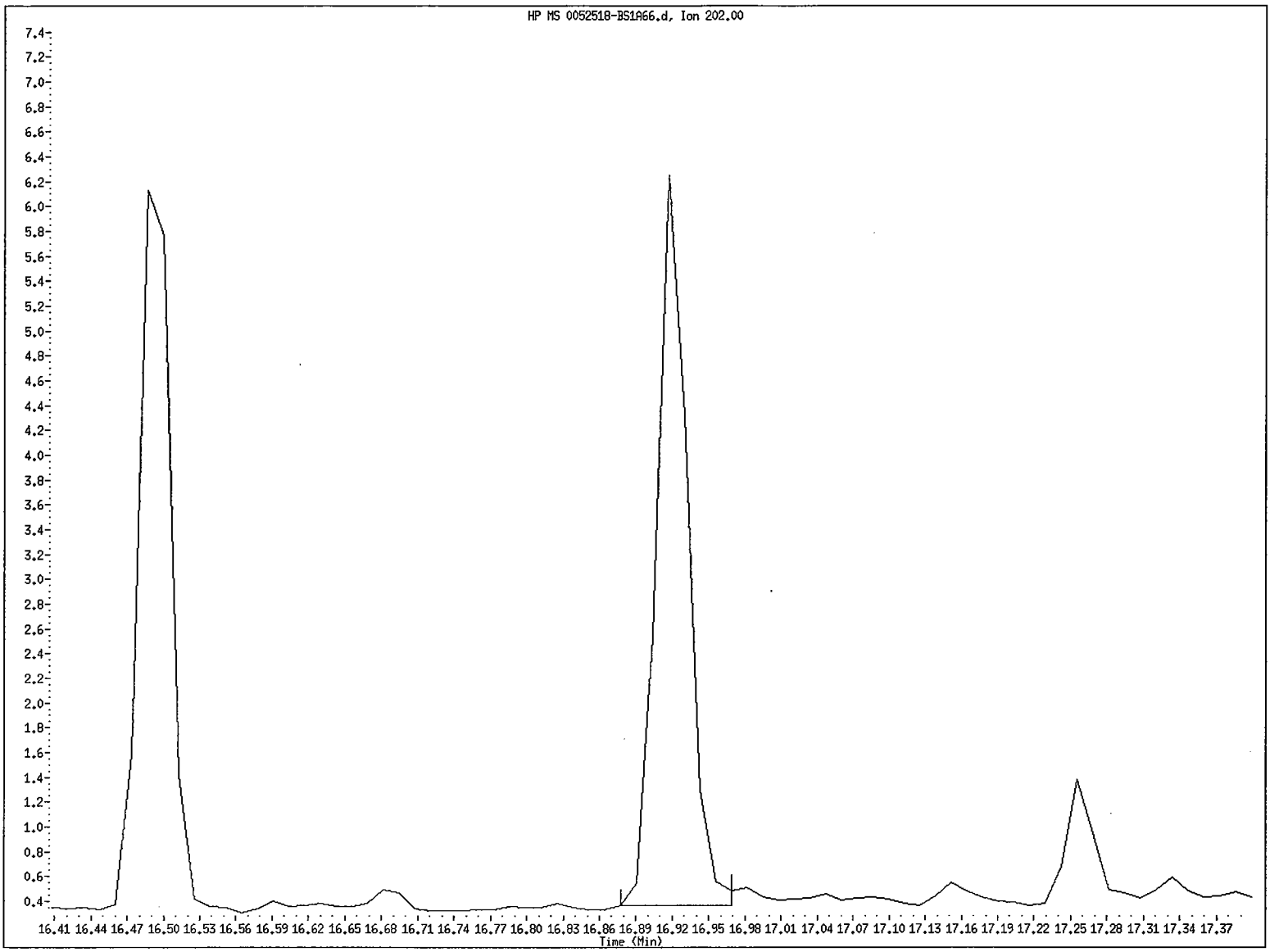
Data File: /chem/5972hp66.i/DS100601A66.b/0052518-BS1A66.d
Report Date: 01-Jul-2010 15:51

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
18 Acenaphthene	154	Compound Not Detected.					
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	16.917	16.903	(0.875)	10528	0.04602	0.77(aRH)
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

Pyrene CAS Number 129-00-0 Area = 10528 User selected hit



File name: /chem/5972hp66.i/DS100601A66.b/0052518-BS1A66.d
Client ID: SCOLCS
Instrument ID: 5972hp66.i
Injection Date and Time: 01-JUN-2010 19:43
Retention Time: 16.92
Operator ID: 2650

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SEILCS

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0060203-BS1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0060203-BS1A70
Analyst: MEW

% Moisture: 0 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

Date Extracted: 06/02/10
Date Analyzed: 06/30/10
Dilution Factor: 1.0

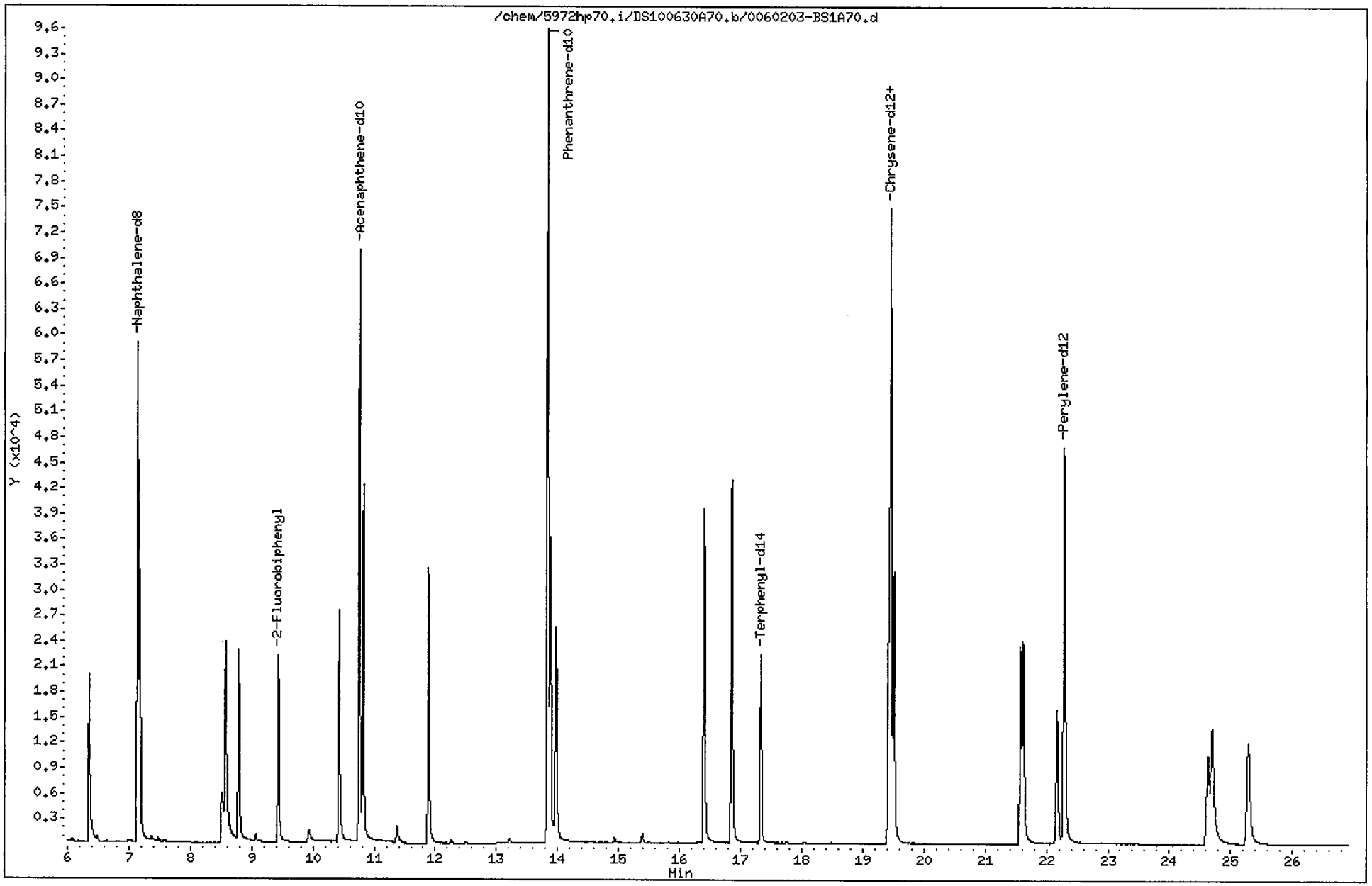
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	12	B
91-57-6	2-Methylnaphthalene	0.68	8.3	13	
208-96-8	Acenaphthylene	0.53	8.3	11	
83-32-9	Acenaphthene	0.60	8.3	11	
86-73-7	Fluorene	0.45	8.3	11	
85-01-8	Phenanthrene	1.3	8.3	12	
120-12-7	Anthracene	0.43	8.3	11	
206-44-0	Fluoranthene	1.3	8.3	13	
129-00-0	Pyrene	0.57	8.3	12	
56-55-3	Benzo(a)anthracene	0.57	8.3	12	
218-01-9	Chrysene	0.63	8.3	13	
205-99-2	Benzo(b)fluoranthene	0.57	8.3	12	
207-08-9	Benzo(k)fluoranthene	0.43	8.3	13	
50-32-8	Benzo(a)pyrene	0.38	8.3	10	
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	13	
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	11	
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	12	

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100630A70.b/0060203-BS1A70.d
Date : 30-JUN-2010 18:28
Client ID: SEILCS
Sample Info: 0060203-BS1:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630A70.b/0060203-BS1A70.d
Report Date: 01-Jul-2010 13:45

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630A70.b/0060203-BS1A70.d
Lab Smp Id: 0060203-BS1 Client Smp ID: SEILCS
Inj Date : 30-JUN-2010 18:28
Operator : MEW Inst ID: 5972hp70.i
Smp Info : 0060203-BS1:MEW
Misc Info : SEILCS
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Meth Date : 01-Jul-2010 13:45 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 9 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
*	1 1,4-Dichlorobenzene-d4	152	4.845	4.822	(1.000)	25107	2.00000		(a)
*	2 Naphthalene-d8	136	7.145	7.129	(1.000)	89008	2.00000		(a)
*	3 Acenaphthene-d10	164	10.763	10.757	(1.000)	56668	2.00000		(a)
*	4 Phenanthrene-d10	188	13.837	13.829	(1.000)	122372	2.00000		(a)
*	5 Chrysene-d12	240	19.453	19.454	(1.000)	102241	2.00000		(a)
*	6 Perylene-d12	264	22.287	22.287	(1.000)	85770	2.00000		(a)
$	9 Nitrobenzene-d5	82	5.873	5.849	(0.822)	20852	0.72394	12	
$	10 2-Fluorobiphenyl	172	9.432	9.428	(0.876)	26875	0.68814	11	
$	12 Terphenyl-d14	244	17.332	17.326	(0.891)	29031	0.79770	13	
	13 Naphthalene	128	7.176	7.160	(1.004)	41201	0.72487	12	
	15 2-Methylnaphthalene	141	8.577	8.564	(1.200)	20549	0.76711	13	
	17 Acenaphthylene	152	10.428	10.415	(0.969)	35088	0.65630	11	
	18 Acenaphthene	154	10.822	10.816	(1.005)	23193	0.68365	11	

Data File: /chem/5972hp70.i/DS100630A70.b/0060203-BS1A70.d
Report Date: 01-Jul-2010 13:45

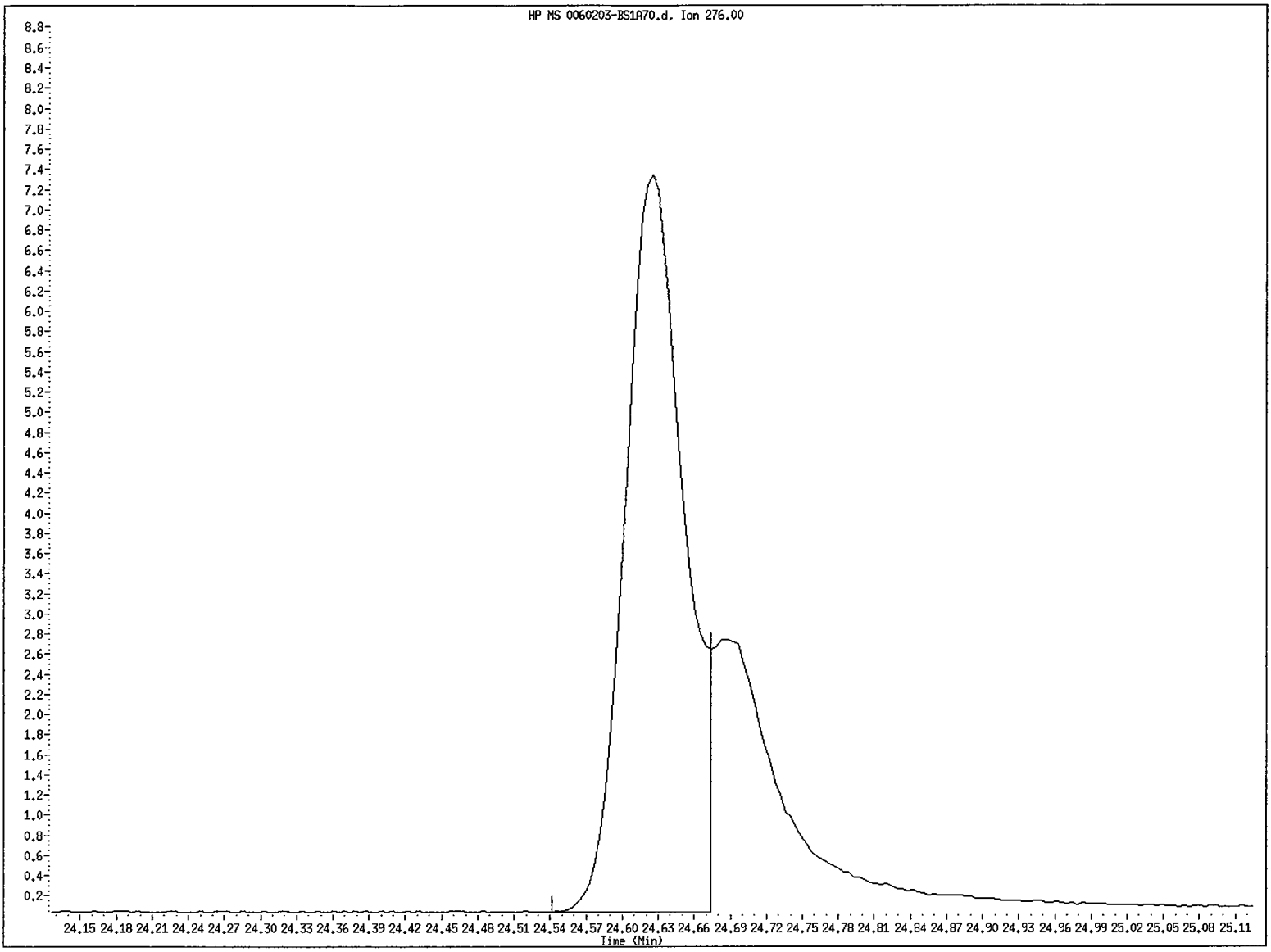
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21	Fluorene	166	11.887	11.879	(1.104)	29174	0.68449	11
25	Phenanthrene	178	13.881	13.873	(1.003)	48486	0.72593	12
26	Anthracene	178	13.974	13.966	(1.010)	38762	0.63245	11
27	Fluoranthene	202	16.401	16.399	(1.185)	51556	0.78609	13
28	Pyrene	202	16.856	16.854	(0.866)	53748	0.72743	12
29	Benzo(a)anthracene	228	19.422	19.419	(0.998)	39618	0.73594	12
30	Chrysene	228	19.506	19.507	(1.003)	48166	0.75159	13
31	Benzo(b)fluoranthene	252	21.572	21.577	(0.968)	35479	0.70687	12
32	Benzo(k)fluoranthene	252	21.616	21.621	(0.970)	48519	0.78155	13
33	Benzo(a)pyrene	252	22.168	22.168	(0.995)	29200	0.61590	10
34	Indeno(1,2,3-cd)pyrene	276	24.626	24.626	(1.105)	25375	0.78849	13(M)
35	Dibenzo(a,h)anthracene	278	24.696	24.697	(1.108)	28791	0.68669	11
36	Benzo(g,h,i)perylene	276	25.283	25.288	(1.134)	32821	0.70820	12

2 ag 1,12

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

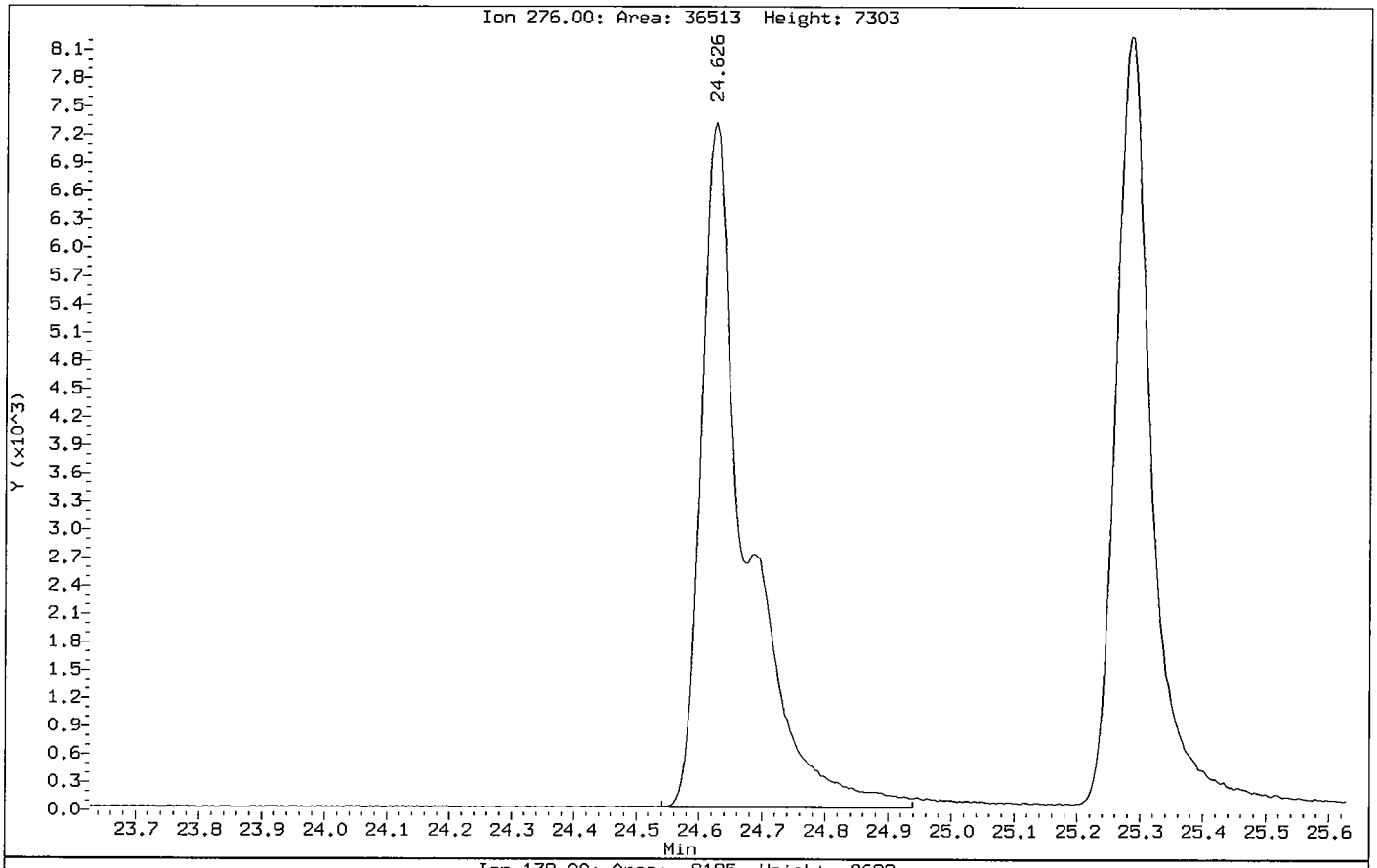
Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 25375 Manually integrated

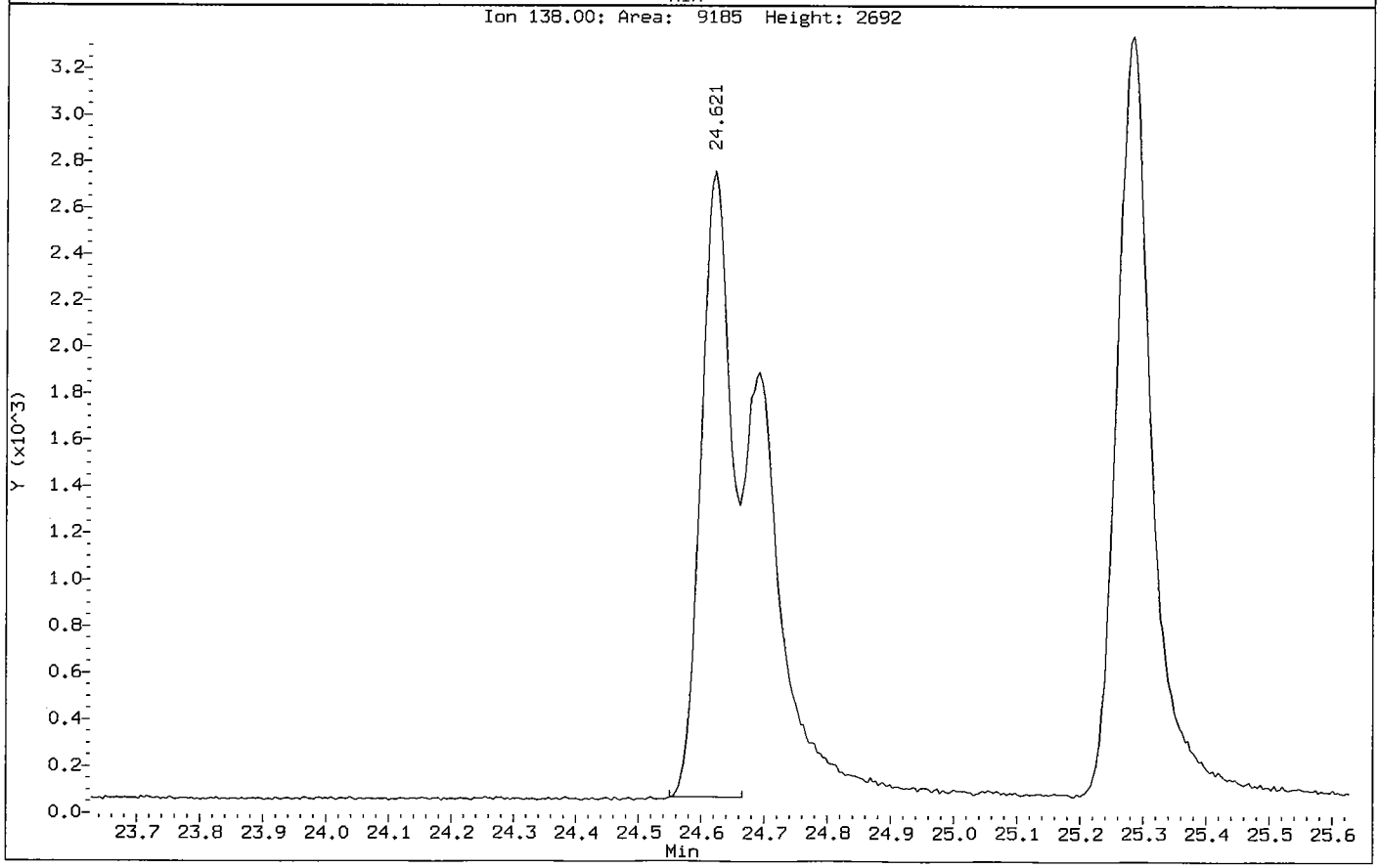


File name: /chem/5972hp70.i/DS100630A70.b/0060203-BS1A70.d
Client ID: SEILCS
Instrument ID: 5972hp70.i
Injection Date and Time: 30-JUN-2010 18:28
Retention Time: 24.63
Operator ID: MEW

Data File: /chem/5972hp70.i/DS100630A70.b/0060203-BS1A70.d
Injection Date: 30-JUN-2010 18:28
Instrument: 5972hp70.i
Client Sample ID: SEILCS

Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





d. Matrix Spike Data

- Tabulated Results (Form I SV)

- Chromatogram and quantitation report

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB44-5-6MS

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 0052518-MS1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 0052518-MS1A66
Analyst: 2650

% Moisture: 15 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK1

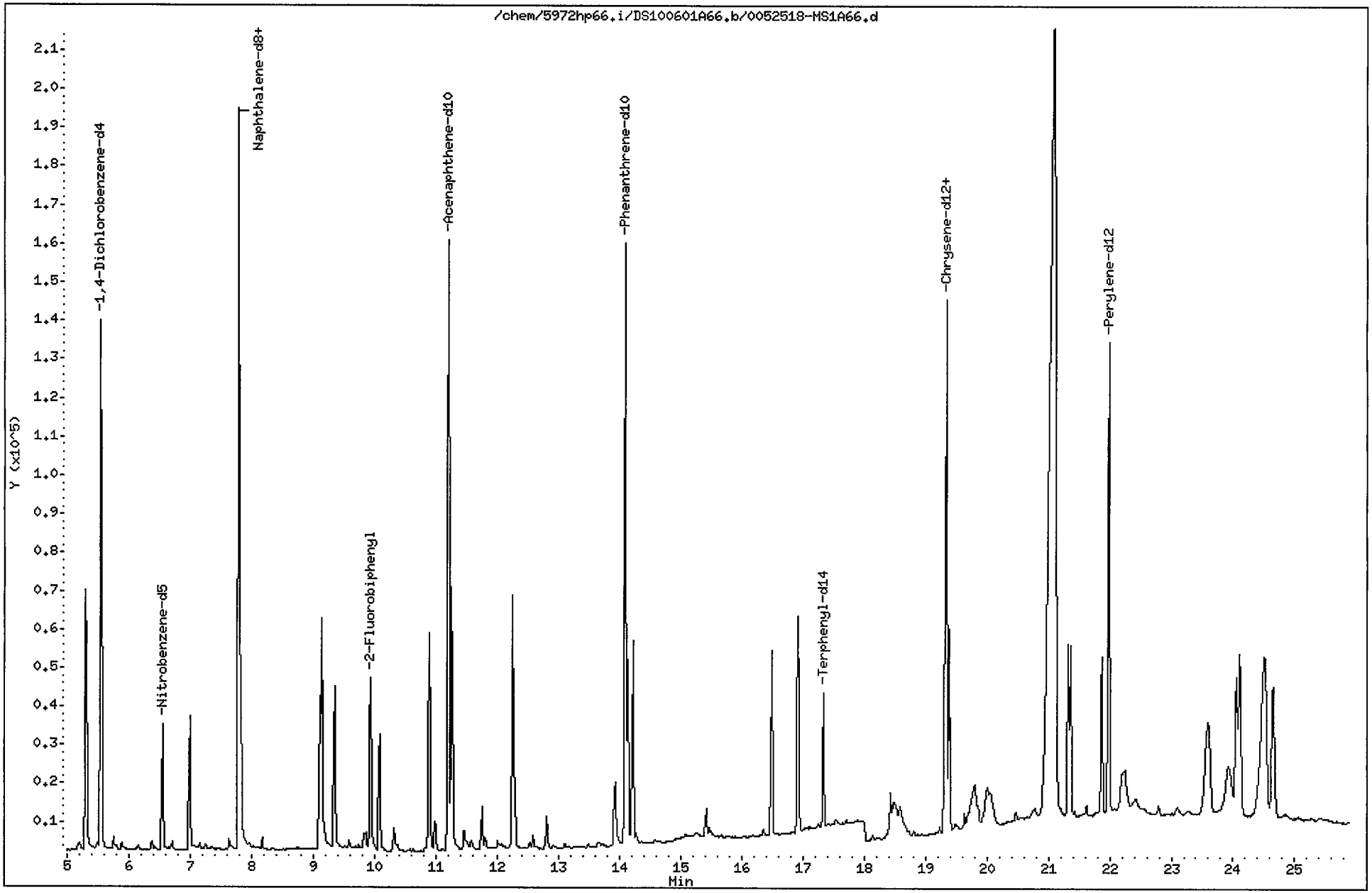
Date Extracted: 05/25/10
Date Analyzed: 06/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.84	9.8	9.0	J
91-57-6	2-Methylnaphthalene	0.80	9.8	11	
208-96-8	Acenaphthylene	0.63	9.8	10	
83-32-9	Acenaphthene	0.71	9.8	9.4	J
86-73-7	Fluorene	0.53	9.8	9.4	J
85-01-8	Phenanthrene	1.5	9.8	11	
120-12-7	Anthracene	0.51	9.8	12	
206-44-0	Fluoranthene	1.6	9.8	12	
129-00-0	Pyrene	0.67	9.8	11	
56-55-3	Benzo(a)anthracene	0.67	9.8	13	
218-01-9	Chrysene	0.75	9.8	12	
205-99-2	Benzo(b)fluoranthene	0.67	9.8	13	
207-08-9	Benzo(k)fluoranthene	0.51	9.8	11	
50-32-8	Benzo(a)pyrene	0.45	9.8	11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.43	9.8	13	
53-70-3	Dibenzo(a,h)anthracene	0.39	9.8	12	
191-24-2	Benzo(g,h,i)perylene	0.45	9.8	12	

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp66.i/DS100601A66.b/0052518-MS1A66.d
Date : 01-JUN-2010 20:17
Client ID: SB44-5-6MS
Sample Info: 0052518-MS1:2650
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: 2650
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100601A66.b/0052518-MS1A66.d
Report Date: 11-Jun-2010 09:04

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100601A66.b/0052518-MS1A66.d
Lab Smp Id: 0052518-MS1 Client Smp ID: SB44-5-6MS
Inj Date : 01-JUN-2010 20:17
Operator : 2650 Inst ID: 5972hp66.i
Smp Info : 0052518-MS1:2650
Misc Info : SB44-5-6MS
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100601A66.b/SIM_8270Cv2DOD.m
Meth Date : 11-Jun-2010 08:59 perry Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 13 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50
Processing Host: einstein

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	15.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	5.545	5.531	(1.000)	81655	2.00000	(a)
* 2 Naphthalene-d8	136	7.787	7.773	(1.000)	272259	2.00000	(a)
* 3 Acenaphthene-d10	164	11.204	11.192	(1.000)	125616	2.00000	(a)
* 4 Phenanthrene-d10	188	14.088	14.074	(1.000)	218224	2.00000	(a)
* 5 Chrysene-d12	240	19.344	19.328	(1.000)	181970	2.00000	(a)
* 6 Perylene-d12	264	21.983	21.960	(1.000)	162275	2.00000	(a)
$ 9 Nitrobenzene-d5	82	6.548	6.534	(0.841)	35876	0.59218	12
$ 10 2-Fluorobiphenyl	172	9.937	9.923	(0.887)	53672	0.40945	8.0(R)
$ 12 Terphenyl-d14	244	17.334	17.320	(0.896)	40487	0.61235	12
13 Naphthalene	128	7.813	7.812	(1.003)	77423	0.45974	9.0(a)
15 2-Methylnaphthalene	141	9.142	9.141	(0.816)	49498	0.55037	11
17 Acenaphthylene	152	10.892	10.880	(0.972)	71766	0.51146	10

TMP 6/11/10

Data File: /chem/5972hp66.i/DS100601A66.b/0052518-MS1A66.d
Report Date: 11-Jun-2010 09:04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
18 Acenaphthene	154	11.256	11.258	(1.005)	39575	0.48138	9.4(a)
21 Fluorene	166	12.260	12.248	(0.870)	48873	0.47853	9.4(aR)
25 Phenanthrene	178	14.127	14.126	(1.003)	73799	0.54234	11
26 Anthracene	178	14.218	14.204	(1.009)	71968	0.58798	12
27 Fluoranthene	202	16.500	16.486	(0.853)	72774	0.60312	12
28 Pyrene	202	16.917	16.903	(0.875)	76485	0.58206	11
29 Benzo(a)anthracene	228	19.309	19.301	(0.998)	65279	0.65992	13
30 Chrysene	228	19.388	19.380	(1.002)	64346	0.60056	12
31 Benzo(b)fluoranthene	252	21.330	21.318	(0.970)	70180	0.65578	13
32 Benzo(k)fluoranthene	252	21.362	21.351	(0.972)	62146	0.53962	11
33 Benzo(a)pyrene	252	21.874	21.851	(0.995)	55000	0.57030	11
34 Indeno(1,2,3-cd)pyrene	276	24.051	24.028	(1.094)	56020	0.65842	13
35 Dibenzo(a,h)anthracene	278	24.105	24.083	(1.097)	52615	0.62516	12
36 Benzo(g,h,i)perylene	276	24.649	24.616	(1.121)	56558	0.59976	12

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

THP
6/11/10

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB44-5-6REMS

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 0060203-MS1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 0060203-MS1A70
Analyst: MEW

% Moisture: 15 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

Date Extracted: 06/02/10
Date Analyzed: 06/30/10
Dilution Factor: 1.0

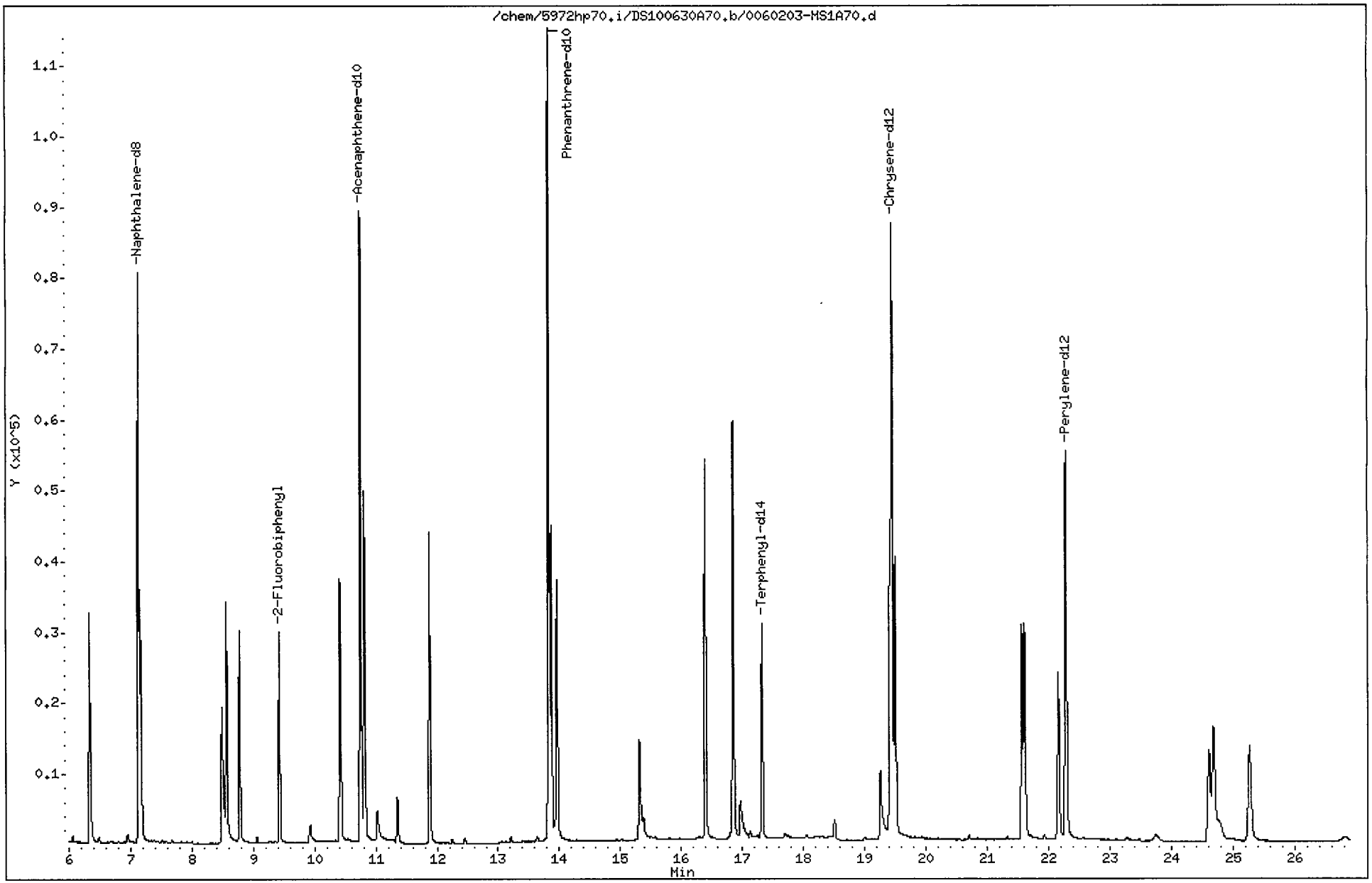
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.84	9.8	12	B
91-57-6	2-Methylnaphthalene	0.80	9.8	13	
208-96-8	Acenaphthylene	0.63	9.8	13	
83-32-9	Acenaphthene	0.71	9.8	12	
86-73-7	Fluorene	0.53	9.8	13	
85-01-8	Phenanthrene	1.5	9.8	15	
120-12-7	Anthracene	0.51	9.8	15	
206-44-0	Fluoranthene	1.6	9.8	17	
129-00-0	Pyrene	0.67	9.8	15	
56-55-3	Benzo(a)anthracene	0.67	9.8	17	
218-01-9	Chrysene	0.75	9.8	14	
205-99-2	Benzo(b)fluoranthene	0.67	9.8	16	
207-08-9	Benzo(k)fluoranthene	0.51	9.8	15	
50-32-8	Benzo(a)pyrene	0.45	9.8	15	
193-39-5	Indeno(1,2,3-cd)pyrene	0.43	9.8	16	
53-70-3	Dibenzo(a,h)anthracene	0.39	9.8	13	
191-24-2	Benzo(g,h,i)perylene	0.45	9.8	13	

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100630A70.b/0060203-MS1A70.d
Date : 30-JUN-2010 19:39
Client ID: SB44-5-6REMS
Sample Info: 0060203-MS1:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630A70.b/0060203-MS1A70.d
Report Date: 07-Jul-2010 11:25

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630A70.b/0060203-MS1A70.d
Lab Smp Id: 0060203-MS1 Client Smp ID: SB44-5-6REMS
Inj Date : 30-JUN-2010 19:39
Operator : MEW Inst ID: 5972hp70.i
Smp Info : 0060203-MS1:MEW
Misc Info : SB44-5-6REMS
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Meth Date : 07-Jul-2010 11:24 parikh Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 11 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	15.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
* 1 1,4-Dichlorobenzene-d4	152	4.838	4.822	(1.000)	31054	2.00000		(a)
* 2 Naphthalene-d8	136	7.137	7.129	(1.000)	114880	2.00000		(a)
* 3 Acenaphthene-d10	164	10.756	10.757	(1.000)	70686	2.00000		(a)
* 4 Phenanthrene-d10	188	13.828	13.829	(1.000)	144570	2.00000		(a)
* 5 Chrysene-d12	240	19.449	19.454	(1.000)	122328	2.00000		(a)
* 6 Perylene-d12	264	22.283	22.287	(1.000)	95289	2.00000		(a)
$ 9 Nitrobenzene-d5	82	5.861	5.849	(0.821)	24910	0.67006	13	
$ 10 2-Fluorobiphenyl	172	9.423	9.428	(0.876)	31560	0.64784	13	
$ 12 Terphenyl-d14	244	17.323	17.326	(0.891)	36615	0.84088	16	
13 Naphthalene	128	7.168	7.160	(1.004)	44482	0.60634	12	
15 2-Methylnaphthalene	141	8.564	8.564	(1.200)	23054	0.66681	13	
17 Acenaphthylene	152	10.415	10.415	(0.968)	43642	0.65442	13	
18 Acenaphthene	154	10.815	10.816	(1.005)	26637	0.62946	12	

SH 07/07/10

Data File: /chem/5972hp70.i/DS100630A70.b/0060203-MS1A70.d
Report Date: 07-Jul-2010 11:25

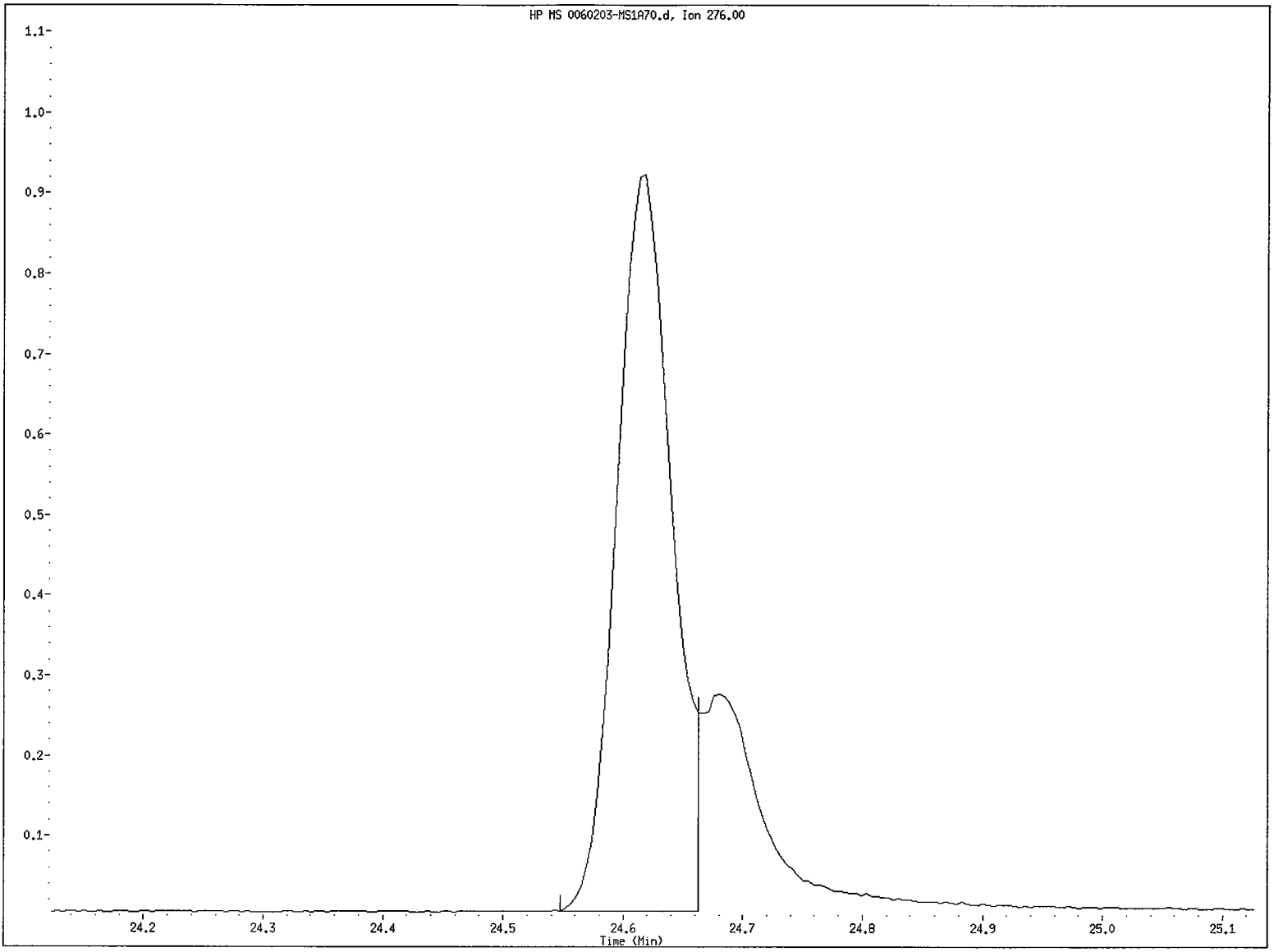
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	11.879	11.879	(1.104)	35993	0.67701	13
25 Phenanthrene	178	13.872	13.873	(1.003)	60037	0.76086	15
26 Anthracene	178	13.965	13.966	(1.010)	53725	0.74200	15
27 Fluoranthene	202	16.396	16.399	(1.186)	65774	0.84889	17
28 Pyrene	202	16.851	16.854	(0.866)	69604	0.78734	15
29 Benzo(a)anthracene	228	19.418	19.419	(0.998)	55015	0.85415	17
30 Chrysene	228	19.502	19.507	(1.003)	55638	0.72562	14
31 Benzo(b)fluoranthene	252	21.568	21.577	(0.968)	45763	0.82068	16
32 Benzo(k)fluoranthene	252	21.613	21.621	(0.970)	51615	0.74836	15
33 Benzo(a)pyrene	252	22.164	22.168	(0.995)	40055	0.76046	15
34 Indeno(1,2,3-cd)pyrene	276	24.618	24.626	(1.105)	29205	0.80872	16(M)
35 Dibenzo(a,h)anthracene	278	24.689	24.697	(1.108)	30593	0.65678	13
36 Benzo(g,h,i)perylene	276	25.276	25.288	(1.134)	33075	0.64239	13

2 SAN 07/07/10

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

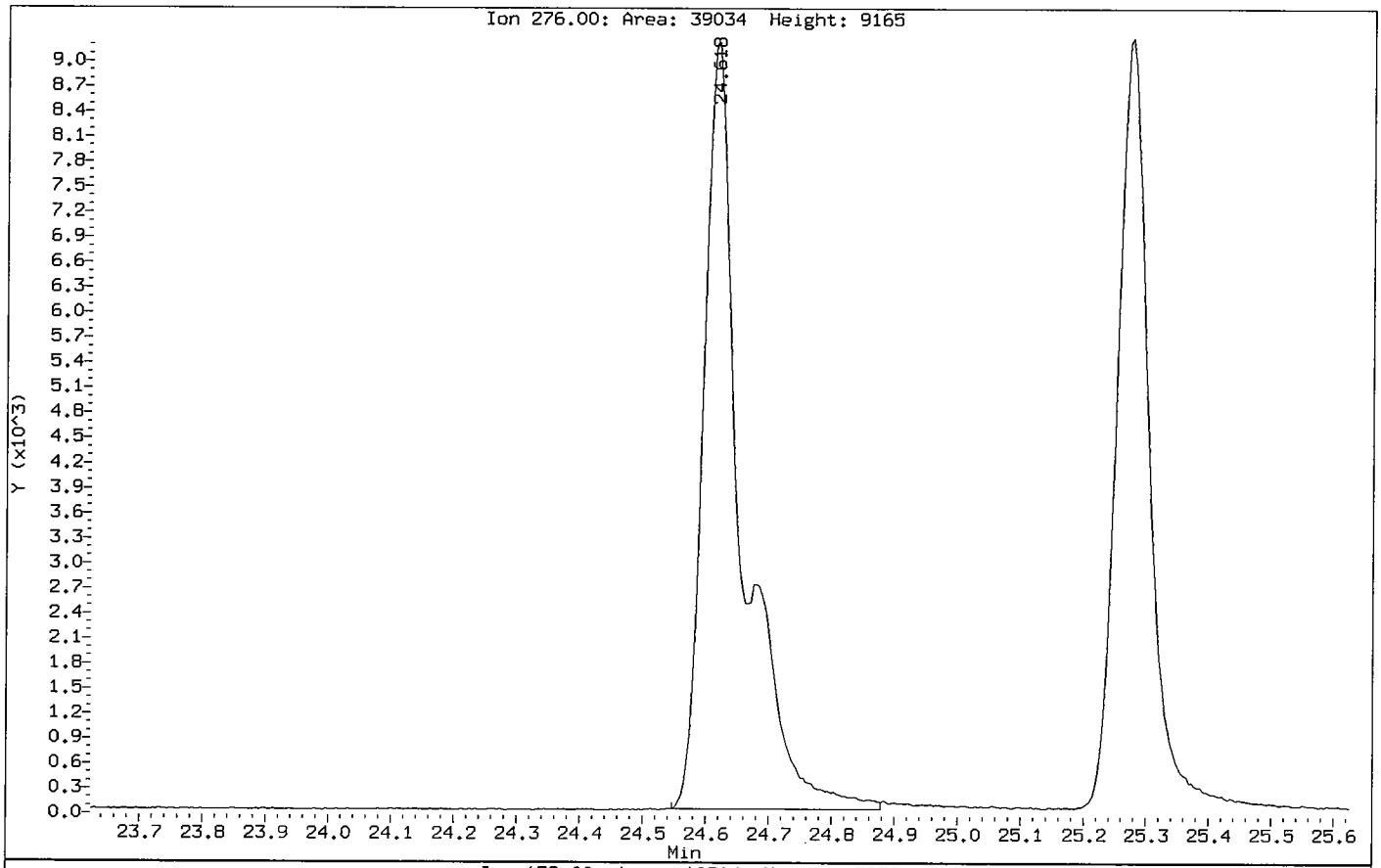
Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 29205 Manually integrated

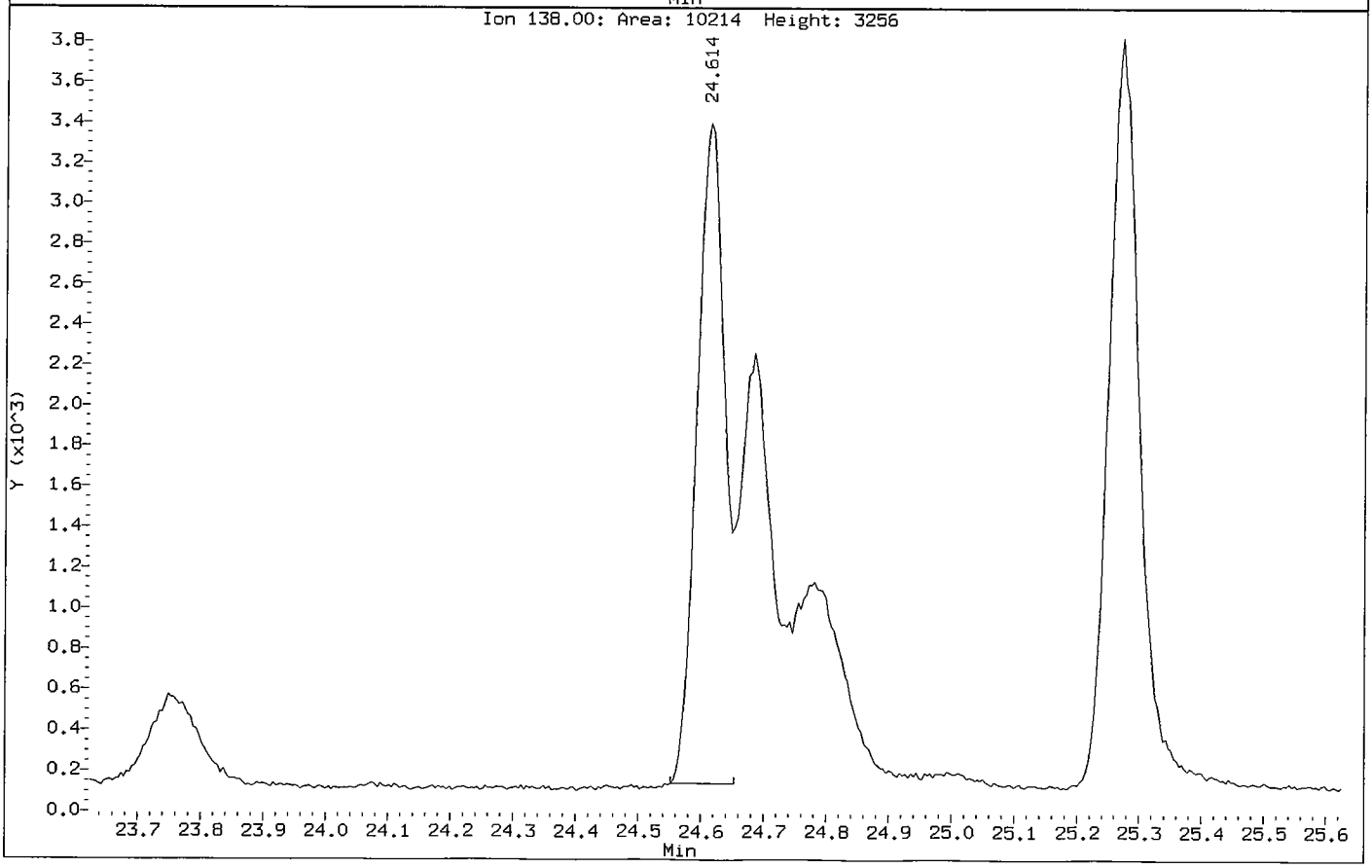


File name: /chem/5972hp70.i/DS100630A70.b/0060203-MS1A70.d
Client ID: SB44-5-6REMS
Instrument ID: 5972hp70.i
Injection Date and Time: 30-JUN-2010 19:39
Retention Time: 24.62
Operator ID: MEW

Data File: /chem/5972hp70.i/DS100630A70.b/0060203-MS1A70.d
Injection Date: 30-JUN-2010 19:39
Instrument: 5972hp70.i
Client Sample ID: SB44-5-6MS REMS SR 07107/10

Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





e. Matrix Spike Duplicate Data

- Tabulated Results (Form I SV)

- Chromatogram and quantitation report

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB44-5-6MSD

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 0052518-MSD1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 0052518-MSD1A66
Analyst: 2650

% Moisture: 15 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052518-BLK1

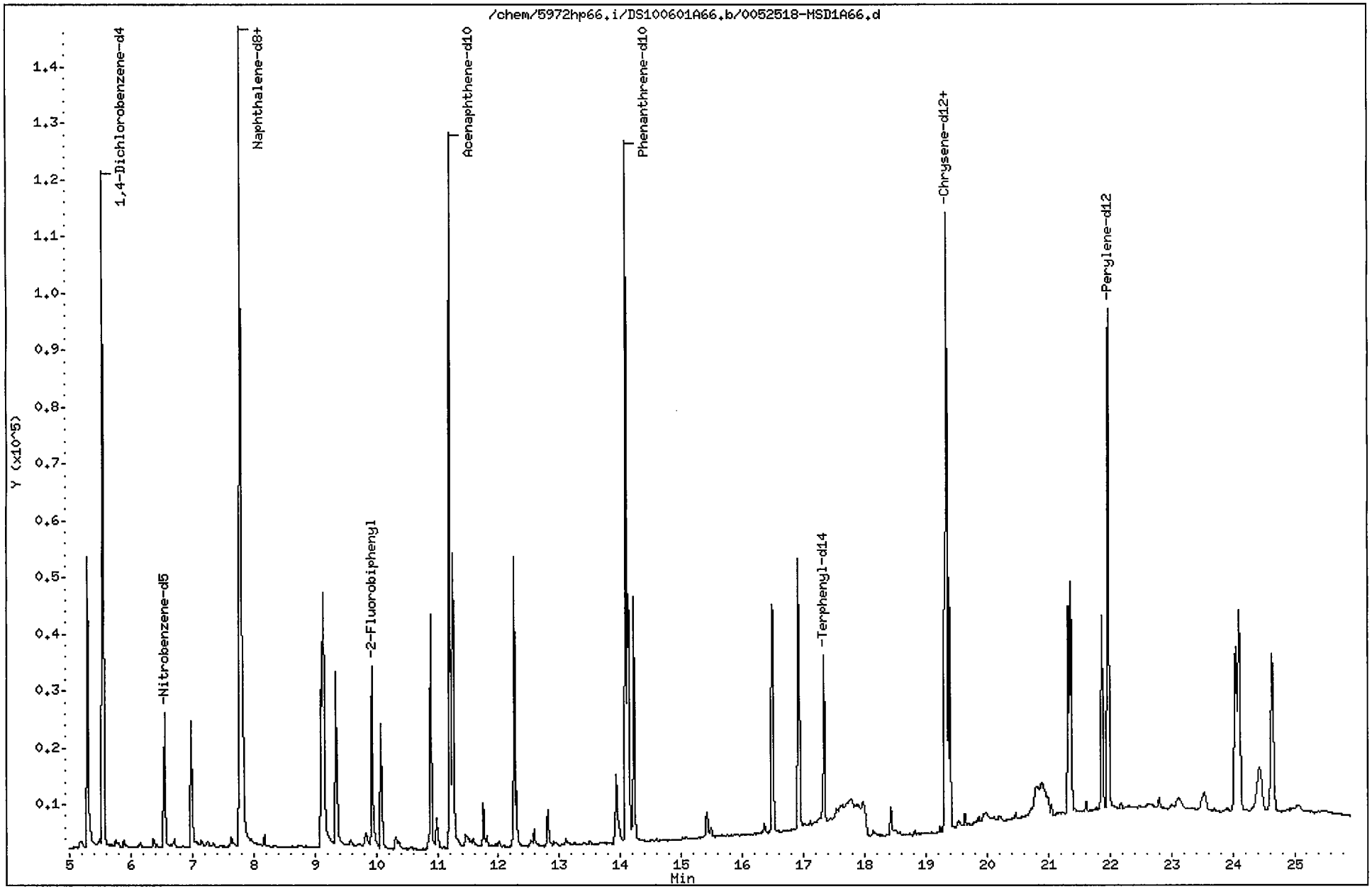
Date Extracted: 05/25/10
Date Analyzed: 06/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.84	9.8	8.0	J
91-57-6	2-Methylnaphthalene	0.80	9.8	9.9	
208-96-8	Acenaphthylene	0.63	9.8	9.5	J
83-32-9	Acenaphthene	0.71	9.8	8.9	J
86-73-7	Fluorene	0.53	9.8	9.1	J
85-01-8	Phenanthrene	1.5	9.8	11	
120-12-7	Anthracene	0.51	9.8	12	
206-44-0	Fluoranthene	1.6	9.8	13	
129-00-0	Pyrene	0.67	9.8	12	
56-55-3	Benzo(a)anthracene	0.67	9.8	14	
218-01-9	Chrysene	0.75	9.8	13	
205-99-2	Benzo(b)fluoranthene	0.67	9.8	11	
207-08-9	Benzo(k)fluoranthene	0.51	9.8	12	
50-32-8	Benzo(a)pyrene	0.45	9.8	11	
193-39-5	Indeno(1,2,3-cd)pyrene	0.43	9.8	13	
53-70-3	Dibenzo(a,h)anthracene	0.39	9.8	12	
191-24-2	Benzo(g,h,i)perylene	0.45	9.8	12	

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp66.i/DS100601A66.b/0052518-MSD1A66.d
Date : 01-JUN-2010 20:51
Client ID: SB44-5-6MSD
Instrument: 5972hp66.i
Sample Info: 0052518-MSD1:2650
Volume Injected (uL): 2.0
Operator: 2650
Column phase: Rtx-5MS
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100601A66.b/0052518-MSD1A66.d
Report Date: 11-Jun-2010 09:04

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100601A66.b/0052518-MSD1A66.d
Lab Smp Id: 0052518-MSD1 Client Smp ID: SB44-5-6MSD
Inj Date : 01-JUN-2010 20:51
Operator : 2650 Inst ID: 5972hp66.i
Smp Info : 0052518-MSD1:2650
Misc Info : SB44-5-6MSD
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100601A66.b/SIM_8270Cv2DOD.m
Meth Date : 11-Jun-2010 08:59 perry Quant Type: ISTD
Cal Date : 25-MAY-2010 08:16 Cal File: 0E25001-CAL2C66.d
Als bottle: 14 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50
Processing Host: einstein

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	15.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	5.544	5.531	(1.000)	67845	2.00000	(a)
* 2 Naphthalene-d8	136	7.786	7.773	(1.000)	220551	2.00000	(a)
* 3 Acenaphthene-d10	164	11.204	11.192	(1.000)	102702	2.00000	(a)
* 4 Phenanthrene-d10	188	14.088	14.074	(1.000)	179719	2.00000	(a)
* 5 Chrysene-d12	240	19.344	19.328	(1.000)	148207	2.00000	(a)
* 6 Perylene-d12	264	21.983	21.960	(1.000)	140282	2.00000	(a)
$ 9 Nitrobenzene-d5	82	6.548	6.534	(0.841)	26614	0.54229	11
$ 10 2-Fluorobiphenyl	172	9.937	9.923	(0.887)	39141	0.36522	7.2(R)
$ 12 Terphenyl-d14	244	17.334	17.320	(0.896)	34306	0.63707	12
13 Naphthalene	128	7.812	7.812	(1.003)	55970	0.41027	8.0(a)
15 2-Methylnaphthalene	141	9.142	9.141	(0.816)	37041	0.50375	9.9
17 Acenaphthylene	152	10.891	10.880	(0.972)	55456	0.48340	9.5(aR)

TMP 6/11/10

Data File: /chem/5972hp66.i/DS100601A66.b/0052518-MSD1A66.d
Report Date: 11-Jun-2010 09:04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
18 Acenaphthene	154	11.256	11.258	(1.005)	30541	0.45438	8.9(a)
21 Fluorene	166	12.260	12.248	(0.870)	38872	0.46215	9.1(aR)
25 Phenanthrene	178	14.127	14.126	(1.003)	62172	0.55478	11
26 Anthracene	178	14.218	14.204	(1.009)	60459	0.59978	12
27 Fluoranthene	202	16.500	16.486	(0.853)	64173	0.65300	13
28 Pyrene	202	16.917	16.903	(0.875)	66719	0.62341	12
29 Benzo(a)anthracene	228	19.309	19.301	(0.998)	56318	0.69903	14
30 Chrysene	228	19.388	19.380	(1.002)	55750	0.63887	13
31 Benzo(b)fluoranthene	252	21.330	21.318	(0.970)	53017	0.57307	11
32 Benzo(k)fluoranthene	252	21.363	21.351	(0.972)	62815	0.63094	12
33 Benzo(a)pyrene	252	21.874	21.851	(0.995)	47919	0.57477	11
34 Indeno(1,2,3-cd)pyrene	276	24.051	24.028	(1.094)	49796	0.67703	13
35 Dibenzo(a,h)anthracene	278	24.105	24.083	(1.097)	45917	0.63111	12
36 Benzo(g,h,i)perylene	276	24.639	24.616	(1.121)	48730	0.59776	12

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

DMP 6/11/10

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005134
Client Sample ID: SB44-5-6REMSD

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 0060203-MSD1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 0060203-MSD1A70
Analyst: MEW

% Moisture: 15 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060203-BLK1

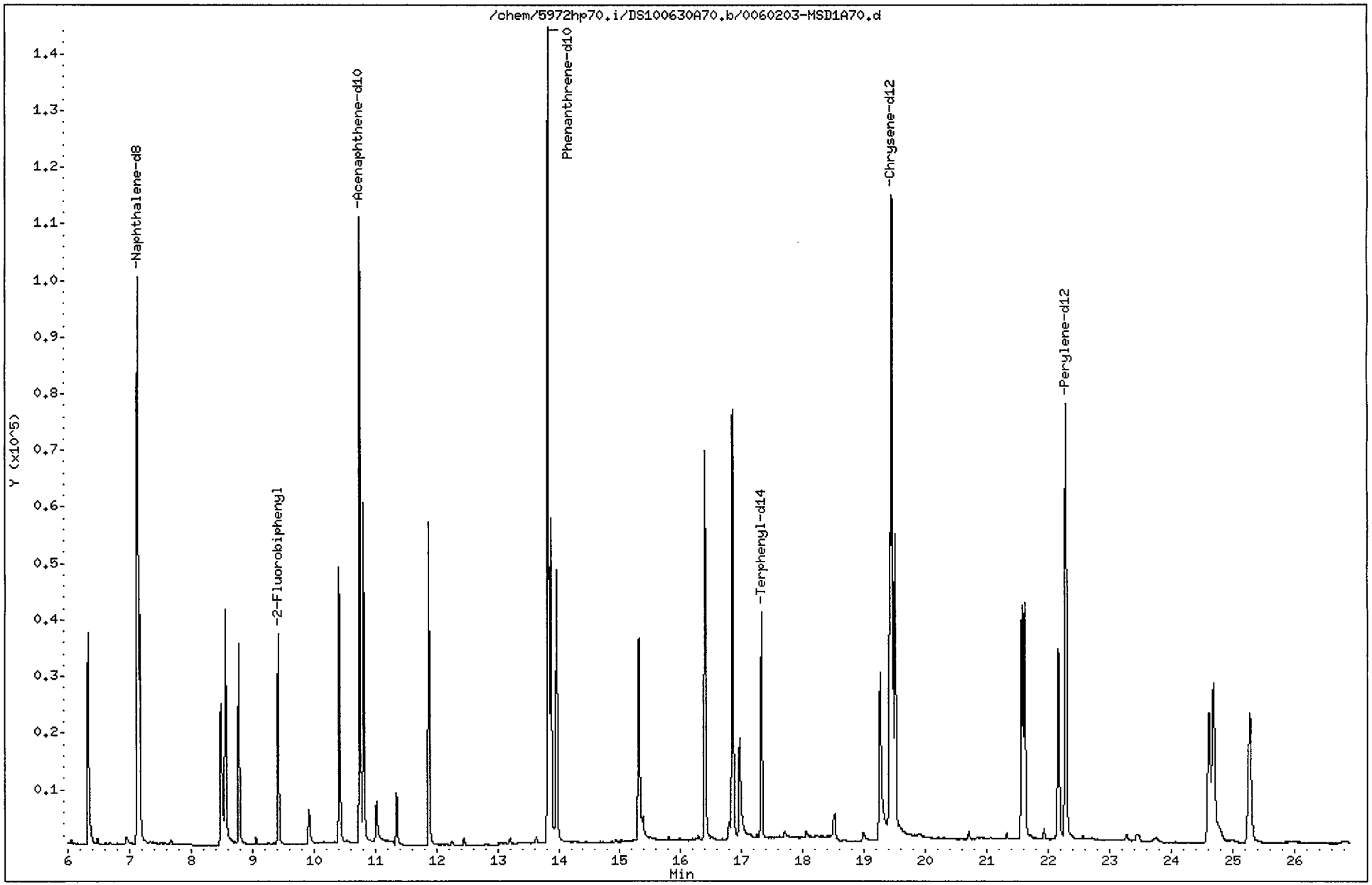
Date Extracted: 06/02/10
Date Analyzed: 06/30/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.84	9.8	13	B
91-57-6	2-Methylnaphthalene	0.80	9.8	15	
208-96-8	Acenaphthylene	0.63	9.8	14	
83-32-9	Acenaphthene	0.71	9.8	13	
86-73-7	Fluorene	0.53	9.8	14	
85-01-8	Phenanthrene	1.5	9.8	15	
120-12-7	Anthracene	0.51	9.8	15	
206-44-0	Fluoranthene	1.6	9.8	17	
129-00-0	Pyrene	0.67	9.8	13	
56-55-3	Benzo(a)anthracene	0.67	9.8	15	
218-01-9	Chrysene	0.75	9.8	13	
205-99-2	Benzo(b)fluoranthene	0.67	9.8	15	
207-08-9	Benzo(k)fluoranthene	0.51	9.8	15	
50-32-8	Benzo(a)pyrene	0.45	9.8	15	
193-39-5	Indeno(1,2,3-cd)pyrene	0.43	9.8	18	
53-70-3	Dibenzo(a,h)anthracene	0.39	9.8	16	
191-24-2	Benzo(g,h,i)perylene	0.45	9.8	15	

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp70.i/DS100630A70.b/0060203-MSD1A70.d
Date : 30-JUN-2010 20:15
Client ID: SB44-5-6REMSD
Sample Info: 0060203-MSD1:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630A70.b/0060203-MSD1A70.d
Report Date: 07-Jul-2010 11:25

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630A70.b/0060203-MSD1A70.d
Lab Smp Id: 0060203-MSD1 Client Smp ID: SB44-5-6REMSD
Inj Date : 30-JUN-2010 20:15
Operator : MEW Inst ID: 5972hp70.i
Smp Info : 0060203-MSD1:MEW
Misc Info : SB44-5-6REMSD
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Meth Date : 07-Jul-2010 11:24 parikh Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 12 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	15.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
* 1 1,4-Dichlorobenzene-d4	152	4.835	4.822	(1.000)	34490	2.00000		(a)
* 2 Naphthalene-d8	136	7.131	7.129	(1.000)	129340	2.00000		(a)
* 3 Acenaphthene-d10	164	10.751	10.757	(1.000)	84156	2.00000		(a)
* 4 Phenanthrene-d10	188	13.828	13.829	(1.000)	179244	2.00000		(a)
* 5 Chrysene-d12	240	19.453	19.454	(1.000)	182865	2.00000		(a)
* 6 Perylene-d12	264	22.287	22.287	(1.000)	135494	2.00000		(a)
$ 9 Nitrobenzene-d5	82	5.859	5.849	(0.822)	31186	0.74510	15	
$ 10 2-Fluorobiphenyl	172	9.424	9.428	(0.877)	39423	0.67972	13	
$ 12 Terphenyl-d14	244	17.323	17.326	(0.891)	47511	0.72990	14	
13 Naphthalene	128	7.162	7.160	(1.004)	54841	0.66398	13	
15 2-Methylnaphthalene	141	8.560	8.564	(1.200)	28798	0.73982	15	
17 Acenaphthylene	152	10.416	10.415	(0.969)	55429	0.69813	14	
18 Acenaphthene	154	10.810	10.816	(1.005)	32951	0.65403	13	

SM
07/07/10

Data File: /chem/5972hp70.i/DS100630A70.b/0060203-MSD1A70.d
Report Date: 07-Jul-2010 11:25

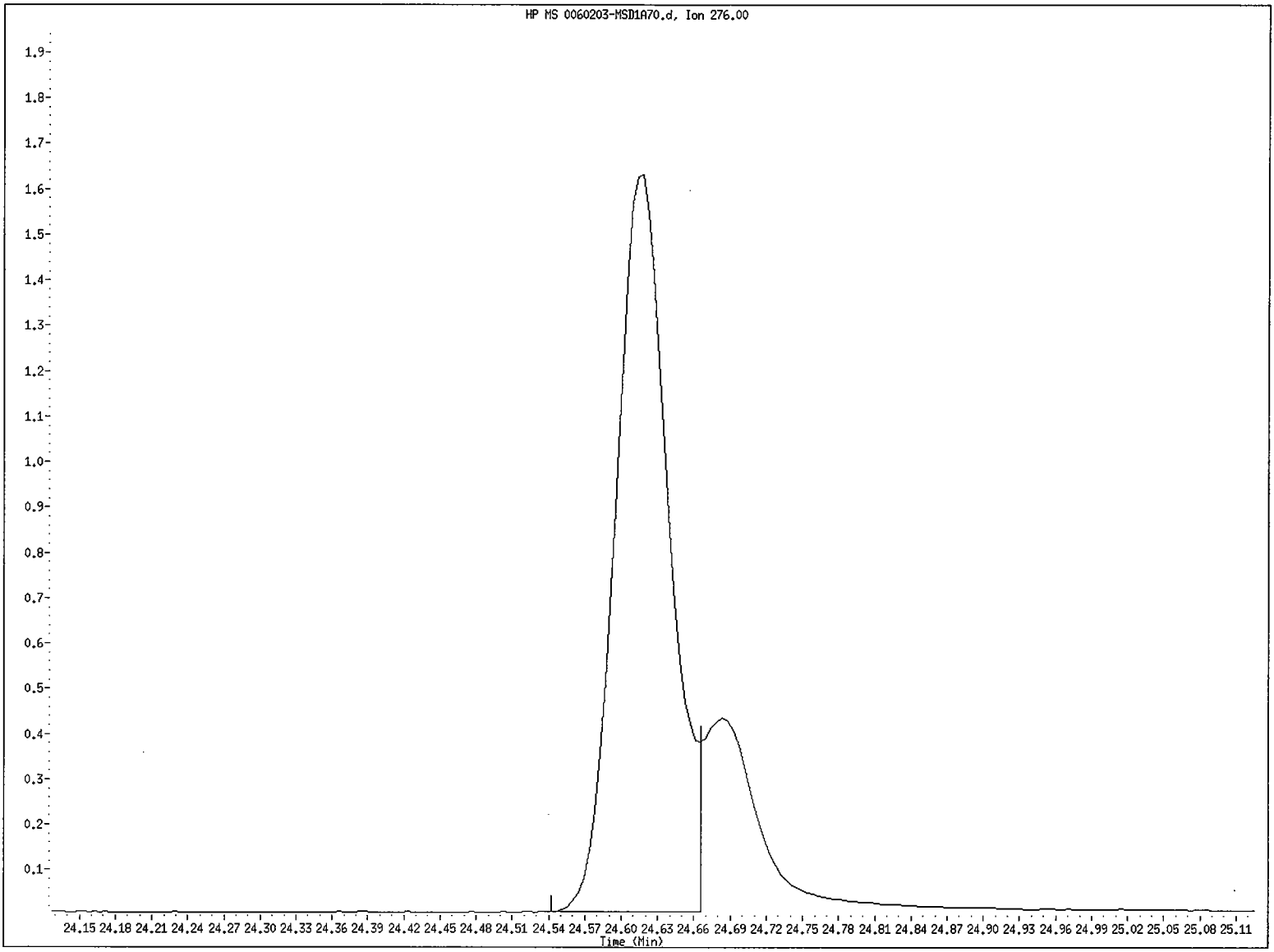
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	11.878	11.879	(1.105)	45424	0.71765	14
25 Phenanthrene	178	13.872	13.873	(1.003)	74764	0.76421	15
26 Anthracene	178	13.965	13.966	(1.010)	69009	0.76871	15
27 Fluoranthene	202	16.396	16.399	(1.186)	84577	0.88041	17
28 Pyrene	202	16.851	16.854	(0.866)	88981	0.67332	13
29 Benzo(a)anthracene	228	19.417	19.419	(0.998)	73303	0.76132	15
30 Chrysene	228	19.501	19.507	(1.002)	73871	0.64448	13
31 Benzo(b)fluoranthene	252	21.572	21.577	(0.968)	62360	0.78648	15
32 Benzo(k)fluoranthene	252	21.612	21.621	(0.970)	74010	0.75466	15
33 Benzo(a)pyrene	252	22.163	22.168	(0.994)	56153	0.74974	15
34 Indeno(1,2,3-cd)pyrene	276	24.617	24.626	(1.105)	51013	0.94181	18(M)
35 Dibenzo(a,h)anthracene	278	24.688	24.697	(1.108)	53577	0.80891	16
36 Benzo(g,h,i)perylene	276	25.275	25.288	(1.134)	55697	0.76077	15

2 SAP
07107110

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

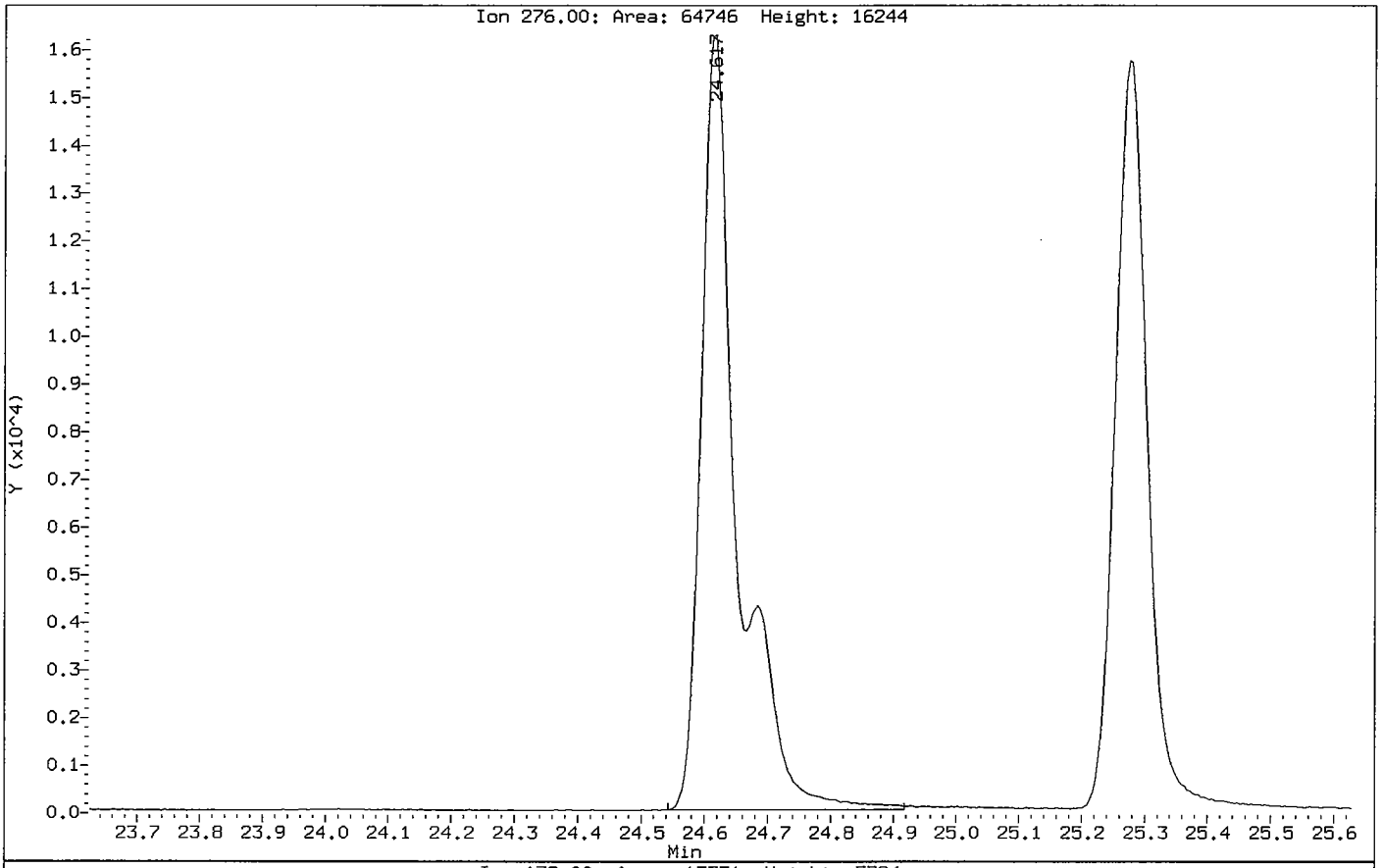
Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 51013 Manually integrated

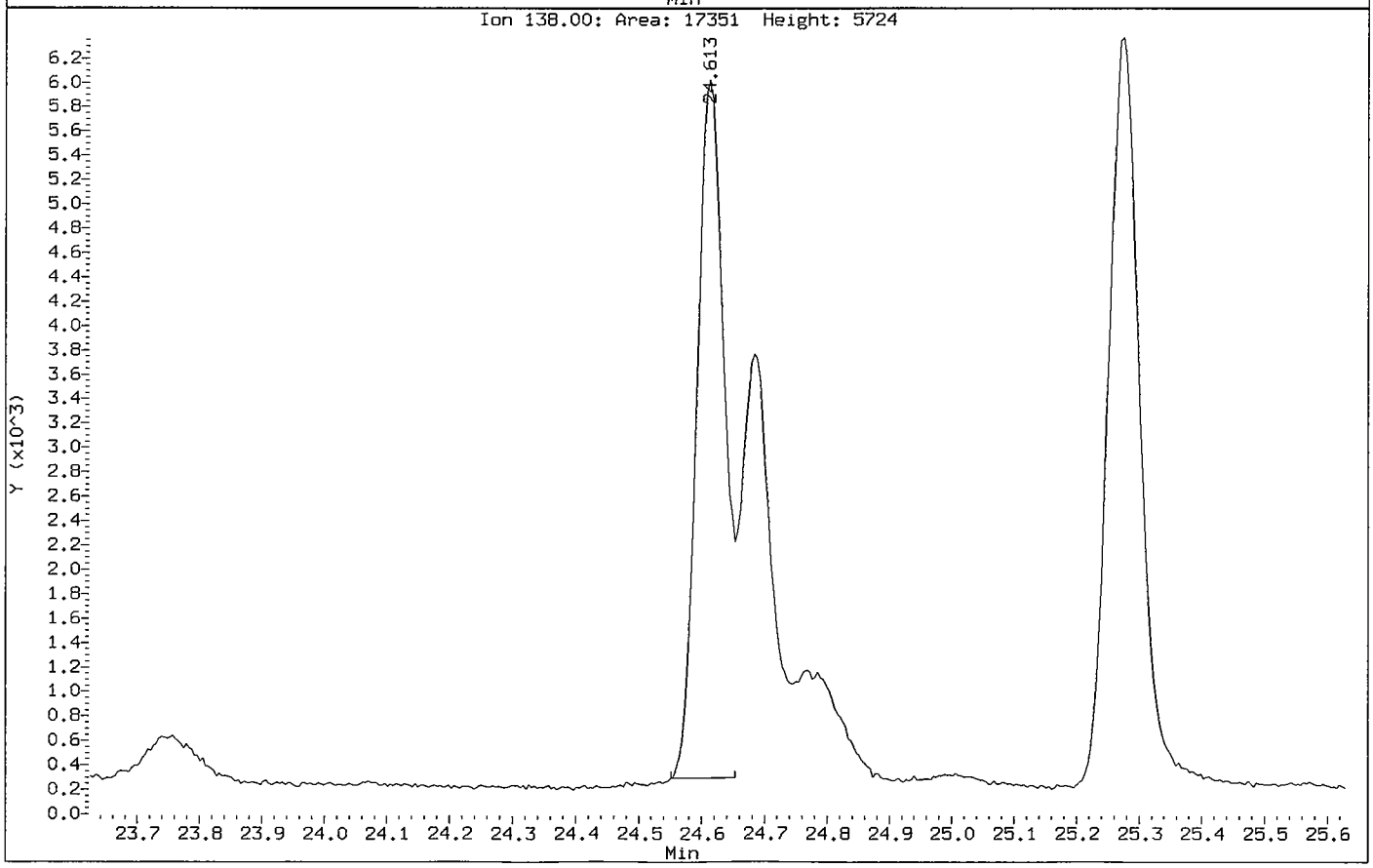


File name: /chem/5972hp70.i/DS100630A70.b/0060203-MSD1A70.d
Client ID: SB44-5-6REMSD
Instrument ID: 5972hp70.i
Injection Date and Time: 30-JUN-2010 20:15
Retention Time: 24.62
Operator ID: MEW

Data File: /chem/5972hp70.i/DS100630A70.b/0060203-MSD1A70.d
Injection Date: 30-JUN-2010 20:15
Instrument: 5972hp70.i
Client Sample ID: SB44-5-6~~MSD~~ REMSD SM 07/07/10

Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





FORM 2
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Level:(low/med) LOW

	CLIENT SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	SBPLCSD	73	56	78						0
02	SS02-0-1	62	61	86						0
03	SS02D-0-1	68	66	86						0
04	SBLKBP	68	70	85						0
05	SBPLCS	57	56	72						0
06	SB02-5-6	66	62	91						0
07	SB02D-5-6	63	58	75						0
08	SB05-7-8	75	71	74						0
09	SBLKCO	49	40*	62						1
10	SCOLCS	54	38*	71						1
11	SB44-5-6MS	59	41*	61						1
12	SB44-5-6MSD	54	36*	64						1
13	SB44-5-6	48	34*	62						1
14	SS33-0-1	52	40*	70						1
15	SB33-4-5	59	36*	70						1
16	SB31-5-6	47	27*	48						1
17	SS31-0-1	51	39*	66						1
18	SBLKEI	62	63	78						0
19	SEILCS	72	69	80						0
20	SB44-5-6RE	38	45*	86						1
21	SB44-5-6REMS	67	65	84						0
22	SB44-5-6REMSD	74	68	73						0
23	SS33-0-1RE	73	39*	81						1
24	SB33-4-5RE	48	50	86						0
25	SB31-5-6RE	53	52	85						0
26	SS31-0-1RE	75	42*	89						1
27	SS32-0-1RE	48	56	90						0
28	SB32-2.5-3.5RE	43	45	90						0

	QC LIMITS
S1 (NBZ) = Nitrobenzene-d5	(35-100)
S2 (FBP) = 2-Fluorobiphenyl	(45-105)
S3 (TPH) = Terphenyl-d14	(30-125)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM 2
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Level:(low/med) LOW

	CLIENT SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	SB32D-2.5-3.5RE	53	51	85						0
02	SB50-1-2RE	61	63	88						0
03	SS12-0-1RE	49	54	84						0
04	SB12-2-3RE	55	54	83						0
05	SS44-0-1RE	53	63	87						0
06	SS43-0-1	60	59	55						0
07	SB43-3-4RE	60	63	86						0
08	SS32D-0-1RE	48	65	96						0
09	SBLKOC	48	53	84						0
10	SS32-0-1	33*	44*	78						2
11	SS32D-0-1	56	62	89						0
12	SB32-2.5-3.5	60	60	86						0
13	SB32D-2.5-3.5	59	61	84						0
14	SB50-1-2	61	61	84						0
15	SS12-0-1	57	55	76						0
16	SB12-2-3	68	65	81						0
17	SS44-0-1	55	67	90						0
18	SB43-3-4	51	62	89						0
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										

	QC LIMITS
S1 (NBZ) = Nitrobenzene-d5	(35-100)
S2 (FBP) = 2-Fluorobiphenyl	(45-105)
S3 (TPH) = Terphenyl-d14	(30-125)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

CompuChem

A Division Of

Liberty Analytical Corp.

6/17/2010

REBEKHA SHAW

CH2M HILL, INC.

P.O. BOX 241329

DENVER, CO 80224

Subject:
Report of Data - Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM
WorkOrder: 1005134

Attn. REBEKHA SHAW

Enclosed are the results of analytical work performed in accordance with the referenced account number. This report covers sample(s) appearing on the listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097

Sincerely,

Compuchem

a division of Liberty Analytical Corporation

Attachment

TOTAL NUMBER
OF PAGES ____

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

CompuChem
A Division Of
Liberty Analytical Corp.

SDG NARRATIVE
SDG # 1005134

The 20 soil samples were received intact between 1.7C and 4.3C, with proper documentations, in sealed shipping containers, on May 14th, 19th, and 21st, 2010. The samples were scheduled for the requested analyses of the Wet Chemistry fraction. The samples were analyzed, in accordance with current EPA methods, for the analytes requested as per the COC, with the exceptions and/or additions requested by the client.

SAMPLE IDs:
The cover page contained in this package lists the client ID's and the associated CompuChem numbers which are part of this SDG.

INSTRUMENTAL QUALITY CONTROL:
All calibration verification solutions (ICV & CCV), blanks (ICB, & CCB), associated with this data were confirmed to be within allowable limits.

SAMPLE PREPARATION QUALITY CONTROL:
The sample preparation procedure verifications (LCS & Blank) were found to be within acceptable ranges. All field samples were prepared and analyzed within the contract specified holding times.

MATRIX RELATED QUALITY CONTROL:
SB44-5-6 *(1005134-18)* was requested to use as the original to prepare the matrix spike and matrix spike duplicate.

I certify that this Sample Data Package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy Sample Data Package and in the electronic data deliverable has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Preeti Khare
Data Reviewer I
June 17th, 2010

Organic Undecanted Dry Weight Worksheet

0052523 | Procedure: 143/190

T. WILLIAMS | 1289
Employee | ID No

Temp in: 105°
Temp out: 105°

Date Assigned: 5-25-10
Date/Time in: 5-25-10@1415
Date/Time out: 5-26-10@0915

Decanted batch # 0070706

Lab Number	Client ID	Sample Type	Weight of Container (0.00g)	Weight of Container & Wet Sample (0.00g)	Weight of Container & Dry Sample (0.00g)
1005134-06	SS33-0-1 DECANTED	Sample	1.33	7.28	5.96
1005134-07	SB33-4-5	Sample	1.32	7.32	6.69
1005134-08	SB31-5-6	Sample	1.33	6.58	5.68
1005134-09	SS31-0-1 DECANTED	Sample	1.33	8.69	7.05
1005134-10	SS32-0-1	Sample	1.34	6.26	6.13
1005134-11	SS32D-0-1	Sample	1.32	8.11	7.90
1005134-12	SB32-2.5-3.5	Sample	1.34	7.54	7.08
1005134-13	SB32D-2.5-3.5	Sample	1.35	7.58	7.03
1005134-14	SB50-1-2	Sample	1.32	7.36	6.42
1005134-15	SS12-0-1	Sample	1.32	6.47	6.06
1005134-16	SB12-2-3	Sample	1.34	6.60	6.04
1005134-17	SS44-0-1	Sample	1.33	7.50	7.09
1005134-18	SB44-5-6	Sample	1.35	6.36	5.63
1005134-19	SS43-0-1	Sample	1.34	7.30	7.12
1005134-20	SB43-3-4	Sample	1.33	7.93	7.45
1005134-06	~~SS33-0-1~~ SS33-0-1 7-7-10	Sample	1.33	8.40	7.05
1005134-09	SS31-0-1	Sample	1.33	8.54	7.74

* undecanted

Entered into Element by: _____ 5-26-10
Date

Organic Undecanted Dry Weight Worksheet

0052523 | Procedure: 143/190

T. WILLIAMS | 1289
Employee | ID No

Temp in: 105°
Temp out: 105°

Date Assigned: 5-25-10
Date/Time in: 5-25-10@1415
Date/Time out: 5-26-10@0915

Decanted batch # 0070706

Lab Number	Client ID	Sample Type	Weight of Container (0.00g)	Weight of Container & Wet Sample (0.00g)	Weight of Container & Dry Sample (0.00g)
1005134-06	SS33-0-1 DECANTED	Sample	1.33	7.28	5.96
1005134-07	SB33-4-5	Sample	1.32	7.32	6.69
1005134-08	SB31-5-6	Sample	1.33	6.58	5.68
1005134-09	SS31-0-1 DECANTED	Sample	1.33	8.64	7.05
1005134-10	SS32-0-1	Sample	1.34	6.26	6.13
1005134-11	SS32D-0-1	Sample	1.32	8.11	7.90
1005134-12	SB32-2.5-3.5	Sample	1.34	7.54	7.08
1005134-13	SB32D-2.5-3.5	Sample	1.35	7.58	7.03
1005134-14	SB50-1-2	Sample	1.32	7.36	6.92
1005134-15	SS12-0-1	Sample	1.32	6.97	6.06
1005134-16	SB12-2-3	Sample	1.34	6.60	6.04
1005134-17	SS44-0-1	Sample	1.33	7.50	7.09
1005134-18	SB44-5-6	Sample	1.35	6.36	5.63
1005134-19	SS43-0-1	Sample	1.34	7.30	7.12
1005134-20	SB43-3-4	Sample	1.33	7.93	7.45
1005134-06	~~SS33-0-1~~ SS33-0 7-7-10	Sample	1.33	8.40	7.05
1005134-09	SS31-0-1	Sample	1.33	8.54	7.74

* undecanted in @ 12:45 on 7-7-10 temp. 103°C
out@ 0930 on 7-8-10 temp 105°C

Entered into Element by: _____ 5-26-10
Date

Organic Undecanted Dry Weight Worksheet

0051921

Procedure: 143/190

T. WILLIAMS — Employee
1289 — ID No

Temp in: 104°

Temp out: 100°C

Date Assigned: 5-20-10

Date/Time in: 5-20-10 @ 1605

Date/Time out: 5-21-10 1625

Lab Number	Client ID	Sample Type	Weight of Container (0.00g)	Weight of Container & Wet Sample (0.00g)	Weight of Container & Dry Sample (0.00g)
1005132-01	SB85-1.5-2.5	Sample	1.32	6.35	5.49
1005132-02	SB78-3.5-4.5	Sample	1.31	7.75	6.83
1005132-03	SS77-0-1	Sample	1.32	7.26	5.89
1005132-04	SB77-3.5-4.5	Sample	1.34	7.85	7.20
1005132-05	SS79-0-1	Sample	1.31	6.38	6.18
1005132-06	SB79-11-12	Sample	1.34	6.63	5.72
1005132-07	SS83-0-1	Sample	1.32	7.20	6.84
1005132-08	SB83-6.5-7.5	Sample	1.33	7.15	6.28
1005132-09	SS62-0-1	Sample	1.33	6.25	2.85
1005132-10	SS74-0-1	Sample	1.34	7.44	7.28
1005132-11	SS86-0-1	Sample	1.34	7.03	6.30
1005132-12	SB86-3-4	Sample	1.33	7.01	6.09
1005132-13	SS84-0-1	Sample	1.31	7.40	7.10
1005132-14	SB84-6-7	Sample	1.34	7.41	6.30
1005133-01	SS73-0-1	Sample	1.34	6.16	5.96
1005134-01	SS02-0-1	Sample	1.32	7.54	6.55
1005134-02	SS02D-0-1	Sample	1.32	7.03	6.33
1005134-03	SB02-5-6	Sample	1.34	6.83	5.72
1005134-04	SB02D-5-6	Sample	1.35	6.79	5.60
1005134-05	SB05-7-8	Sample	1.35	6.82	5.30

Entered into Element by: M Sat — 5-24-10 (Date)

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CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	07/08/2010 13:29

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS02-0-1	1005134-01	Soil	05/14/2010 09:30	05/14/2010 16:00
SS02D-0-1	1005134-02	Soil	05/14/2010 09:35	05/14/2010 16:00
SB02-5-6	1005134-03	Soil	05/14/2010 09:40	05/14/2010 16:00
SB02D-5-6	1005134-04	Soil	05/14/2010 09:45	05/14/2010 16:00
SB05-7-8	1005134-05	Soil	05/14/2010 08:10	05/14/2010 16:00
SS33-0-1	1005134-06	Soil	05/17/2010 11:50	05/19/2010 09:05
SB33-4-5	1005134-07	Soil	05/17/2010 12:00	05/19/2010 09:05
SB31-5-6	1005134-08	Soil	05/17/2010 12:40	05/19/2010 09:05
SS31-0-1	1005134-09	Soil	05/17/2010 12:25	05/19/2010 09:05
SS32-0-1	1005134-10	Soil	05/18/2010 11:00	05/19/2010 09:05
SS32D-0-1	1005134-11	Soil	05/18/2010 11:05	05/19/2010 09:05
SB32-2.5-3.5	1005134-12	Soil	05/18/2010 11:10	05/19/2010 09:05
SB32D-2.5-3.5	1005134-13	Soil	05/18/2010 11:15	05/19/2010 09:05
SB50-1-2	1005134-14	Soil	05/18/2010 17:50	05/21/2010 16:00
SS12-0-1	1005134-15	Soil	05/19/2010 12:45	05/21/2010 16:00
SB12-2-3	1005134-16	Soil	05/19/2010 12:55	05/21/2010 16:00
SS44-0-1	1005134-17	Soil	05/20/2010 08:10	05/21/2010 16:00
SB44-5-6	1005134-18	Soil	05/20/2010 08:25	05/21/2010 16:00
SS43-0-1	1005134-19	Soil	05/20/2010 10:35	05/21/2010 16:00
SB43-3-4	1005134-20	Soil	05/20/2010 10:45	05/21/2010 16:00

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Preeti Khare For Cathy Dover, Project Manager

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5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	07/08/2010 13:29

SS02-0-1
1005134-01 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
***** DEFAULT GENERAL METHOD *****									
% Solids	**84**		0	% by Weight	1	0051921	05/20/2010 16:05	05/24/2010 15:46	% Calculation
Metals									
Chromium	**14.9**		0.50	mg/kg	1	0060154	06/01/2010 10:23	06/01/2010 11:31	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**1.86**	J	2.38	mg/kg dry	1	0052526	05/25/2010 09:33	06/10/2010 12:04	EPA 7196A
Trivalent Chromium	**13.3**		0.500	mg/kg	1	[CALC]	06/01/2010 10:23	06/10/2010 12:04	EPA 7196A

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CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	07/08/2010 13:29

SS02D-0-1
1005134-02 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
***** DEFAULT GENERAL METHOD *****									
% Solids	**88**		0	% by Weight	1	0051921	05/20/2010 16:05	05/24/2010 15:46	% Calculation
Metals									
Chromium	**13.6**		0.50	mg/kg	1	0060154	06/01/2010 10:23	06/01/2010 11:31	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**1.35**	J	2.28	mg/kg dry	1	0052526	05/25/2010 09:33	06/10/2010 12:04	EPA 7196A
Trivalent Chromium	**12.4**		0.500	mg/kg	1	[CALC]	06/01/2010 10:23	06/10/2010 12:04	EPA 7196A

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CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	07/08/2010 13:29

SB02-5-6
1005134-03 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
***** DEFAULT GENERAL METHOD *****									
% Solids	**80**		0	% by Weight	1	0051921	05/20/2010 16:05	05/24/2010 15:46	% Calculation
Metals									
Chromium	**18.0**		0.50	mg/kg	1	0060154	06/01/2010 10:23	06/01/2010 11:31	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**2.20**	J	2.51	mg/kg dry	1	0052526	05/25/2010 09:33	06/10/2010 12:04	EPA 7196A
Trivalent Chromium	**16.2**		0.500	mg/kg	1	[CALC]	06/01/2010 10:23	06/10/2010 12:04	EPA 7196A

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CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	07/08/2010 13:29

SB02D-5-6
1005134-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM								
***** DEFAULT GENERAL METHOD *****								
% Solids	**78**	0	% by Weight	1	0051921	05/20/2010 16:05	05/24/2010 15:46	% Calculation
Metals								
Chromium	**18.9**	0.50	mg/kg	1	0060154	06/01/2010 10:23	06/01/2010 11:31	EPA 6010B
WET CHEMISTRY PARAMETERS								
Hexavalent Chromium	**3.13**	2.56	mg/kg dry	1	0052526	05/25/2010 09:33	06/10/2010 12:04	EPA 7196A
Trivalent Chromium	**16.5**	0.500	mg/kg	1	[CALC]	06/01/2010 10:23	06/10/2010 12:04	EPA 7196A

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5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	07/08/2010 13:29

SB05-7-8
1005134-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM								
***** DEFAULT GENERAL METHOD *****								
% Solids	**72**	0	% by Weight	1	0051921	05/20/2010 16:05	05/24/2010 15:46	% Calculation
Metals								
Chromium	**30.5**	0.50	mg/kg	1	0060154	06/01/2010 10:23	06/01/2010 11:31	EPA 6010B
WET CHEMISTRY PARAMETERS								
Hexavalent Chromium	**5.38**	2.77	mg/kg dry	1	0052526	05/25/2010 09:33	06/10/2010 12:04	EPA 7196A
Trivalent Chromium	**26.6**	0.500	mg/kg	1	[CALC]	06/01/2010 10:23	06/10/2010 12:04	EPA 7196A

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5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	07/08/2010 13:29

SS33-0-1
1005134-06 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
***** DEFAULT GENERAL METHOD *****									
% Solids	**81**		0	% by Weight	1	0052523	05/25/2010 09:16	05/26/2010 09:32	% Calculation
Metals									
Chromium	**0.82**		0.50	mg/kg	1	0060154	06/01/2010 10:23	06/01/2010 11:31	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**2.40**	J	2.47	mg/kg dry	1	0052526	05/25/2010 09:33	06/10/2010 12:04	EPA 7196A
Trivalent Chromium	ND		0.500	mg/kg	1	[CALC]	06/01/2010 10:23	06/10/2010 12:04	EPA 7196A

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CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	07/08/2010 13:29

SB33-4-5
1005134-07 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
***** DEFAULT GENERAL METHOD *****									
% Solids	**90**		0	% by Weight	1	0052523	05/25/2010 09:16	05/26/2010 09:32	% Calculation
Metals									
Chromium	**1.60**		0.50	mg/kg	1	0060154	06/01/2010 10:23	06/01/2010 11:31	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	2.23	mg/kg dry	1	0052526	05/25/2010 09:33	06/10/2010 12:04	EPA 7196A
Trivalent Chromium	**1.60**		0.500	mg/kg	1	[CALC]	06/01/2010 10:23	06/10/2010 12:04	EPA 7196A

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5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	07/08/2010 13:29

SB31-5-6
1005134-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM								
***** DEFAULT GENERAL METHOD *****								
% Solids	**83**	0	% by Weight	1	0052523	05/25/2010 09:16	05/26/2010 09:32	% Calculation
Metals								
Chromium	**10.4**	0.50	mg/kg	1	0060154	06/01/2010 10:23	06/01/2010 11:31	EPA 6010B
WET CHEMISTRY PARAMETERS								
Hexavalent Chromium	**2.65**	2.41	mg/kg dry	1	0052526	05/25/2010 09:33	06/10/2010 12:04	EPA 7196A
Trivalent Chromium	**8.21**	0.500	mg/kg	1	[CALC]	06/01/2010 10:23	06/10/2010 12:04	EPA 7196A

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CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	07/08/2010 13:29

SS31-0-1
1005134-09 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
***** DEFAULT GENERAL METHOD *****									
% Solids	**89**		0	% by Weight	1	0052523	05/25/2010 09:16	05/26/2010 09:32	% Calculation
Metals									
Chromium	**3.90**		0.50	mg/kg	1	0060154	06/01/2010 10:23	06/01/2010 11:31	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	2.25	mg/kg dry	1	0052526	05/25/2010 09:33	06/10/2010 12:04	EPA 7196A
Trivalent Chromium	**3.90**		0.500	mg/kg	1	[CALC]	06/01/2010 10:23	06/10/2010 12:04	EPA 7196A

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	07/08/2010 13:29

SS32-0-1
1005134-10 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
***** DEFAULT GENERAL METHOD *****									
% Solids	**97**		0	% by Weight	1	0052523	05/25/2010 09:16	05/26/2010 09:32	% Calculation
Metals									
Chromium	**2.40**		0.50	mg/kg	1	0060154	06/01/2010 10:23	06/01/2010 11:31	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	2.05	mg/kg dry	1	0052526	05/25/2010 09:33	06/10/2010 12:04	EPA 7196A
Trivalent Chromium	**2.40**		0.500	mg/kg	1	[CALC]	06/01/2010 10:23	06/10/2010 12:04	EPA 7196A

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5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	07/08/2010 13:29

SS32D-0-1

1005134-11 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
***** DEFAULT GENERAL METHOD *****									
% Solids	**97**		0	% by Weight	1	0052523	05/25/2010 09:16	05/26/2010 09:32	% Calculation
Metals									
Chromium	**2.00**		0.50	mg/kg	1	0060154	06/01/2010 10:23	06/01/2010 11:31	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	2.06	mg/kg dry	1	0052526	05/25/2010 09:33	06/10/2010 12:04	EPA 7196A
Trivalent Chromium	**2.00**		0.500	mg/kg	1	[CALC]	06/01/2010 10:23	06/10/2010 12:04	EPA 7196A

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CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	07/08/2010 13:29

SB32-2.5-3.5
1005134-12 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
***** DEFAULT GENERAL METHOD *****									
% Solids	**93**		0	% by Weight	1	0052523	05/25/2010 09:16	05/26/2010 09:32	% Calculation
Metals									
Chromium	**13.9**		0.50	mg/kg	1	0060154	06/01/2010 10:23	06/01/2010 11:31	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	2.16	mg/kg dry	1	0052526	05/25/2010 09:33	06/10/2010 12:04	EPA 7196A
Trivalent Chromium	**13.9**		0.500	mg/kg	1	[CALC]	06/01/2010 10:23	06/10/2010 12:04	EPA 7196A

CompuChem
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CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	07/08/2010 13:29

SB32D-2.5-3.5
1005134-13 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
***** DEFAULT GENERAL METHOD *****									
% Solids	**91**		0	% by Weight	1	0052523	05/25/2010 09:16	05/26/2010 09:32	% Calculation
Metals									
Chromium	**15.3**		0.50	mg/kg	1	0060154	06/01/2010 10:23	06/01/2010 11:31	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**1.24**	J	2.19	mg/kg dry	1	0052526	05/25/2010 09:33	06/10/2010 12:04	EPA 7196A
Trivalent Chromium	**14.2**		0.500	mg/kg	1	[CALC]	06/01/2010 10:23	06/10/2010 12:04	EPA 7196A

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Preeti Khare For Cathy Dover, Project Manager

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CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	07/08/2010 13:29

SB50-1-2
1005134-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM								
***** DEFAULT GENERAL METHOD *****								
% Solids	**84**	0	% by Weight	1	0052523	05/25/2010 09:16	05/26/2010 09:32	% Calculation
Metals								
Chromium	**5.80**	0.50	mg/kg	1	0060154	06/01/2010 10:23	06/01/2010 11:31	EPA 6010B
WET CHEMISTRY PARAMETERS								
Hexavalent Chromium	**2.60**	2.37	mg/kg dry	1	0052526	05/25/2010 09:33	06/10/2010 12:04	EPA 7196A
Trivalent Chromium	**3.61**	0.500	mg/kg	1	[CALC]	06/01/2010 10:23	06/10/2010 12:04	EPA 7196A

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	07/08/2010 13:29

SS12-0-1
1005134-15 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
***** DEFAULT GENERAL METHOD *****									
% Solids	**92**		0	% by Weight	1	0052523	05/25/2010 09:16	05/26/2010 09:32	% Calculation
Metals									
Chromium	**15.8**		0.50	mg/kg	1	0060154	06/01/2010 10:23	06/01/2010 11:31	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**2.04**	J	2.17	mg/kg dry	1	0052526	05/25/2010 09:33	06/10/2010 12:04	EPA 7196A
Trivalent Chromium	**13.9**		0.500	mg/kg	1	[CALC]	06/01/2010 10:23	06/10/2010 12:04	EPA 7196A

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Preeti Khare For Cathy Dover, Project Manager

CompuChem
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CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	07/08/2010 13:29

SB12-2-3
1005134-16 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
***** DEFAULT GENERAL METHOD *****									
% Solids	**89**		0	% by Weight	1	0052523	05/25/2010 09:16	05/26/2010 09:32	% Calculation
Metals									
Chromium	**8.80**		0.50	mg/kg	1	0060154	06/01/2010 10:23	06/01/2010 11:31	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	2.24	mg/kg dry	1	0052526	05/25/2010 09:33	06/10/2010 12:04	EPA 7196A
Trivalent Chromium	**8.80**		0.500	mg/kg	1	[CALC]	06/01/2010 10:23	06/10/2010 12:04	EPA 7196A

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	07/08/2010 13:29

SS44-0-1
1005134-17 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
***** DEFAULT GENERAL METHOD *****									
% Solids	**93**		0	% by Weight	1	0052523	05/25/2010 09:16	05/26/2010 09:32	% Calculation
Metals									
Chromium	**3.10**		0.50	mg/kg	1	0060154	06/01/2010 10:23	06/01/2010 11:31	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	2.14	mg/kg dry	1	0052526	05/25/2010 09:33	06/10/2010 12:04	EPA 7196A
Trivalent Chromium	**3.10**		0.500	mg/kg	1	[CALC]	06/01/2010 10:23	06/10/2010 12:04	EPA 7196A

CompuChem
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Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	07/08/2010 13:29

SB44-5-6
1005134-18 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
***** DEFAULT GENERAL METHOD *****									
% Solids	**85**		0	% by Weight	1	0052523	05/25/2010 09:16	05/26/2010 09:32	% Calculation
Metals									
Chromium	**20.0**		0.50	mg/kg	1	0060154	06/01/2010 10:23	06/01/2010 11:31	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	2.34	mg/kg dry	1	0052526	05/25/2010 09:33	06/10/2010 12:04	EPA 7196A
Trivalent Chromium	**20.0**		0.500	mg/kg	1	[CALC]	06/01/2010 10:23	06/10/2010 12:04	EPA 7196A

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CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	07/08/2010 13:29

SS43-0-1
1005134-19 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
***** DEFAULT GENERAL METHOD *****									
% Solids	**97**		0	% by Weight	1	0052523	05/25/2010 09:16	05/26/2010 09:32	% Calculation
Metals									
Chromium	**0.57**		0.50	mg/kg	1	0060154	06/01/2010 10:23	06/01/2010 11:31	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	2.06	mg/kg dry	1	0052526	05/25/2010 09:33	06/10/2010 12:04	EPA 7196A
Trivalent Chromium	**0.570**		0.500	mg/kg	1	[CALC]	06/01/2010 10:23	06/10/2010 12:04	EPA 7196A

CompuChem
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CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	07/08/2010 13:29

SB43-3-4
1005134-20 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
***** DEFAULT GENERAL METHOD *****									
% Solids	**93**		0	% by Weight	1	0052523	05/25/2010 09:16	05/26/2010 09:32	% Calculation
Metals									
Chromium	**2.00**		0.50	mg/kg	1	0060154	06/01/2010 10:23	06/01/2010 11:31	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	2.16	mg/kg dry	1	0052526	05/25/2010 09:33	06/10/2010 12:04	EPA 7196A
Trivalent Chromium	**2.00**		0.500	mg/kg	1	[CALC]	06/01/2010 10:23	06/10/2010 12:04	EPA 7196A

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CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	07/08/2010 13:29

WET CHEMISTRY PARAMETERS - Quality Control

COMPUCHEM

Analyte	Result		Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0052526 - Default Prep GenChem											
Blank (0052526-BLK1)					Prepared: 05/25/2010 09:33 Analyzed: 06/10/2010 12:04						
Hexavalent Chromium	ND	U	2.00	mg/kg wet							
LCS (0052526-BS1)					Prepared: 05/25/2010 09:33 Analyzed: 06/10/2010 12:04						
Hexavalent Chromium	220	D	10.0	mg/kg wet	240.0		91.6	25-175			
Matrix Spike (0052526-MS1)		**Source: 1005134-18**			Prepared: 05/25/2010 09:33 Analyzed: 06/10/2010 12:04						
Hexavalent Chromium	56.0		2.34	mg/kg dry	46.82	0.00	120	75-125			
Matrix Spike Dup (0052526-MSD1)		**Source: 1005134-18**			Prepared: 05/25/2010 09:33 Analyzed: 06/10/2010 12:04						
Hexavalent Chromium	59.2		2.34	mg/kg dry	46.82	0.00	126	75-125	5.61	20	

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Preeti Khare For Cathy Dover, Project Manager

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	07/08/2010 13:29

Notes and Definitions

U	The compound was analyzed for but not detected (CLP U-flag).
J	Compound detected below the Reporting Limit; therefore, result is an estimated concentration (CLP J-flag).
D	Analyte was quantified on a diluted sample or extract (CLP D-flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Default Report (not modified)
			VERSION 6.04:2001
	HEXAVALENT CHROMIU	(SOIL)	B-Flags used
	HEXAVALENT CHROMIU	(SOIL)	D-Flags used
	HEXAVALENT CHROMIU	(SOIL)	J-Flags used
	HEXAVALENT CHROMIU	(SOIL)	Result calculations based on MDL
	HEXAVALENT CHROMIU	(SOIL)	Special Units: (mg/kg)
	HEXAVALENT CHROMIU	(SOIL)	U-Flags used
	Solids, Dry Weight	(Soil)	Result calculations based on MDL
	Solids, Dry Weight	(Soil)	Special Units: (% by Weight)
	Total Cr by Metals	(Soil)	B-Flags used
	Total Cr by Metals	(Soil)	J-Flags used
	Total Cr by Metals	(Soil)	Result calculations based on MDL
	Total Cr by Metals	(Soil)	Special Units: (mg/kg)
	TRIVALENT CHROMIUM	(Soil)	B-Flags used
	TRIVALENT CHROMIUM	(Soil)	D-Flags used
	TRIVALENT CHROMIUM	(Soil)	J-Flags used
	TRIVALENT CHROMIUM	(Soil)	Result calculations based on MDL
	TRIVALENT CHROMIUM	(Soil)	U-Flags used
0052526-MSD1	HEXAVALENT CHROMIU	Hexavalent Chromium	Exceeds upper control limit

CompuChem
A Division of Liberty Analytical Corp

Hexavalent Chromium-METHOD 3060A/7196A

Initial Calibration Log

Analyst: JM

Analysis Date: 6-10-10

Work Order(s): 1005134

Calibration Data		
Absorbance Reading	Theoretical Concentration (mg/L)	Calculated Concentration (mg/L)
0.000	0	-0.00097
0.030	0.05	0.01817
0.060	0.1	0.03731
0.250	0.4	0.15852
0.649	1	0.41308
1.270	2	0.80926

Regression Output	
Constant	-0.000970975
Correlation Coeff.	0.999921519
No. of Observations	5
Degrees of Freedom	4
X Coefficient(s)	0.637979113

Analytical Sequence Log				
Compuchem Sample ID	Final Absorbance ample - backgour	Calculated Concentration (mg/L)	Calculated Concentration (mg/kg)	Comments
ICV	0.645	1.0125	40.5011	
PB	0.000	0.0015	0.0609	
LCS	1.999	3.1349	125.3941	over/ see dilution
513401	0.024	0.0391	1.5656	
513402	0.018	0.0297	1.1894	
513403	0.027	0.0438	1.7537	
513404	0.038	0.0611	2.4434	
513405	0.061	0.0971	3.8855	
513406	0.030	0.0485	1.9418	
513407	0.009	0.0156	0.6252	
513408	0.034	0.0548	2.1926	
CCV	0.250	0.3934	15.7354	
CCB	0.000	0.0015	0.0609	
513409	0.000	0.0015	0.0609	
513410	0.006	0.0109	0.4371	
513411	0.007	0.0125	0.4998	
513412	0.008	0.0141	0.5625	
513413	0.017	0.0282	1.1267	
513414	0.034	0.0548	2.1926	
513415	0.029	0.0470	1.8791	
513416	0.000	0.0015	0.0609	
513417	0.000	0.0015	0.0609	
513418	0.000	0.0015	0.0609	
CCV	0.250	0.3934	15.7354	
CCB	0.000	0.0015	0.0609	
MS	0.762	1.1959	47.8367	
MSD	0.806	1.2649	50.5954	
513419	0.000	0.0015	0.0609	
513420	0.000	0.0015	0.0609	
LCS 5X	0.700	1.0987	43.9495	
CCV	0.248	0.3902	15.6100	
CCB	0.000	0.0015	0.0609	

Reviewed by: [signature]

Date: 6/7/10

CompuChem
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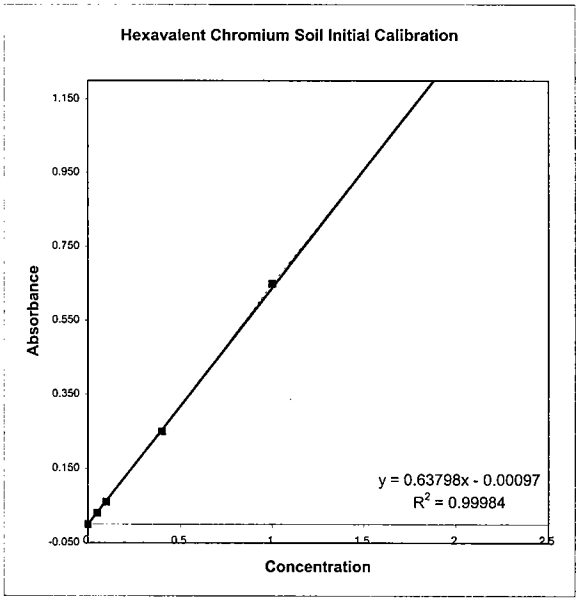
Liberty Analytical Corp.

Hexavalent Chromium-METHOD 3060A/7196A

Initial Calibration Log



Reviewed by:_____

Date: 6-17-10

Reagents/Standards Preparation Log for Hexavalent Chromium

CompuChem a division of Liberty Analytical Corp.1 UUUU

NAME	PREPARATION INSTRUCTIONS	PREPARED BY	DATE
Cr (VI) Digestion Solution NaOH Ref# 1u(6)1-13-28 Na_2CO_3 Ref# 1u(6)1-13-24	Place in a 1L volumetric flask: 20 g of NaOH 30 g of Na_2CO_3 Dilute to the volume with reagent water. Place solution in a Teflon bottle. Prepare fresh monthly or as needed	JM	06 09 10
Cr (VI) Stock Standard A Solution (**1000 mg/L**) Ref# 1u(6)1-17-25	N/A; Prepared by NSI - Hexavalent Chromium stock standard at 1000 mg/L **USE FOR ICV**	NSI	**EXP: 01/11**
Cr (VI) Intermediate Standard Solution (**10 mg/L**) Ref# 1u(6)1-17-25	Place in a 100 mL volumetric flask: 1mL of Cr (VI) Stock Standard Solution Dilute to volume reagent water. Prepare fresh daily	JM	06 08 10
Cr (VI) Stock Standard B Solution (**1000 mg/L**) Ref# 1u(6)1-18-2	N/A; Prepared by Alpha Aesar - Hexavalent Chromium stock standard at 1000 mg/L **USE FOR ICAL AND MS/MSD**	JM	06 09 10
Cr (VI) Intermediate Standard Solution (**10 mg/L**) Ref# 1u(6)1-18-2	Place in a 100 mL volumetric flask: 1mL of Cr (VI) Stock Standard B Solution Dilute to volume reagent water. Prepare fresh daily **USE FOR ICAL**	JM	06 09 10
2.0 ppm Standard	Place in a 100 mL volumetric flask: .2 ml of Cr (VI) Stock Standard Solution 50 mL of Cr (VI) Digestion solution Dilute to volume with reagent water. Prepare fresh daily	JM	06 10 10
1.0 ppm Standard	Place in a 100 mL volumetric flask: .1 mL of Cr (VI) stock Standard Solution 50 ml of Cr (VI) Digestion solution Dilute to volume with reagent water. Prepare fresh daily	JM	06 10 10
0.4 ppm Standard **(use for CCV)**	Place in a 100 mL volumetric flask: 4 mL of Cr (VI) **Intermediate** Standard Solution 50 mL of Cr (VI) Digestion solution Dilute to volume with reagent water. Prepare fresh daily	JM	06 10 10

Reagents/Standards Preparation Log for Hexavalent Chromium

CompuChem a division of Liberty Analytical Corp.1 UUUU

32

NAME	PREPARATION INSTRUCTIONS	PREPARED BY	DATE
0.1 ppm Standard **USE FOR LOQ**	Place in a 100 mL volumetric flask: 1 mL of Cr (VI) **Intermediate** Standard Solution 50 mL of Cr (VI) Digestion solution Dilute to volume with reagent water. Prepare fresh daily	JM	06 10 10
0.05 ppm Standard **USE FOR MDL and LOD**	Place in a 100 mL volumetric flask: .5 mL of Cr (VI) **Intermediate** Standard Stock Solution 50 mL of Cr (VI) Digestion solution Dilute to volume with reagent water. Prepare fresh daily	JM	06 10 10
ICV 1.0 ppm	Place in a 100 mL volumetric flask: .1 mL of Cr (VI) Cr (VI) Stock Standard B 50 mL of Cr (VI) Digestion solution Dilute to volume with reagent water. Prepare fresh daily	JM	06 10 10
ICB/CCB	50 mL of Cr (VI) Digestion solution in 50 ml of DI water	JM	06 10 10
LCS TV=240 mg/kg Hexavilent chromium in soil Ref# 1u(6)1-19-3	Place in a 250 mL beaker: Weigh 2.5g of Hexavalent Chromium reference standard 50 mL of Cr (VI) Digestion solution	JM	06 09 10
Matrix Spiking Solution Ref#:1u(6)1-17-25	Spike .1 ml of the 1000 ppm stock standard in 2.5 g of the original	JM	06 09 10
Phosphate Buffer Solution K2hpo4Ref# 1U(6)1-14-16 Kh2po4Ref#1u(6)1-12-21	Place in 1 L volumetric flask: 87.09g of K_2HPO_4 and 68.04 g of KH_2PO_4 Dilute to volume with reagent water. Prepare fresh every six months	JM	06 09 10
Diphenylcarbazide Solution Ref#:1U(6)1-15-22	Place in a 100 mL volumetric flask: 0.5 g of 1,5-diphenylcarbazide Dilute to volume with acetone. Prepare fresh monthly of sooner, if solution becomes colored.	JM	06 10 10

Reviewed by: _____ Date: 6-10-10 The presence of the Chemist's/Analyst's employee ID number, or signature, on this log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

11-18-09 jm

Hexavalent Chromium Analysis Log

Modified Method SW-846: 7196A

Analyst JM

SDG ID 1005134

Reviewed By: _____

Date: _____

Date: 6-10-10

Correlation Coefficient See ICAL + ASL

Slope: _____

Intercept: _____

#	Sample ID	Acidic pH	Uncorrected Absorbance	Background Abosrbance	Corrected Absorbance	Dilution	Concentration	Color	Read Time
	0.0	1.6≤2.2	.000	-.000	-.000	1	N/A	N/A	15:00
	0.05		.030		.030	1			
	0.1		.060		.060	1			
	0.4		.250		.250	1			
	1.0		.649		.649	1			
	2.0		1.2		.1270	1			
	ICV		.645		.645	1			
1	0052526-BLK1		.000	<.000	-.000	1			
2	-BS1		1.999	-.015	N/A	1			
3	1005134-01		.029	.005	.024	1			
4	-02		.023	.005	.0180	1			
5	-03		.035	.008	.027	1			
6	-04		.053	.015	.038	1			
7	-05		.070	.009	.061	1			
8	-06		.010	.040	-.030	1			
9	-07		.059	.050	.009	1			
10	-08		.59	~~.257~~	.025 / .034	1			
	CCV		.250	-.000	.250	1			
	CCB		.000	-.000	.000	1			
1	-09		.157	.157	.000	1			
2	-10		.043	.037	.006	1			
3	-11		.044	.037	.007	1			
4	-12		.050	.042	.008	1			
5	-13		.060	.043	.017	1			
6	-14		.172	.138	.034	1			
7	-15		.074	.045	.029	1			
8	-16		.030	.030	.000	1			
9	-17		.023	.023	.000	1			
10	-18		.050	.050	.000	1			
	CCV		.250	-.000	.250	1			
	CCB		.000	-.000	.000	1			

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

5/5/06:jad

~~49~~ JM 6-10-10

Hexavalent Chromium Analysis Log

Modified Method SW-846: 7196A

Analyst JM
SDG ID 1005134
Reviewed By: _____
Date: _____

Date: 6-10-10
Correlation Coefficient See ICAL & ASL
Slope: _____
Intercept: _____

#	Sample ID	Acidic pH	Uncorrected Absorbance	Background Abosrbance	Corrected Absorbance	Dilution	Concentration	Color	Read Time
	MS ~~-19~~		.862	.100	.762	1	NA	NA	
	MSD ~~-20~~		.906	.100	.806	1			
	-19		.045	.046	-.001	1			
	-20		.118	.119	-.001	1			
	~~CCV~~ ICV		.725	.25	.700	1			
	BS1					5X			
	CCV		.248	.0	.248	1			
1	CCB		.001	-.001	.002	1			16:00
2									
3									
4									
5									
6									
7									
8									
9									
10									
	CCV								
	CCB								
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
	CCV								
	CCB								

6/10/10

JM

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

5/5/06:jad

~~49~~ JM 6-10-10

CompuChem, a division of Liberty Analytical Corp.

Worksheet 1 K (8) **Cr(VI) DIGESTION PREP** Page __1___ of __1___

SDG # **1005134** **SW-846 Method 3060A**

Analyst No.: 2477 Date: 6-9-10

CompuChem No.	Sample Type	Sample weight (gms)	Hot Plate Temp °C	Sample filtered? (Y or N)	Final volume (mL)	Comments
0052526-BLK1	Blank	2.5	95	Y	100	09:00
0052526-BS1	LCS	2.50				
1005134-01	Sample	2.51				
1005134-02	Sample	2.51				
1005134-03	Sample	2.50				
1005134-04	Sample	2.53				jm 6-9-10
1005134-05	Sample	2.53				~~09:30~~ 10:30
1005134-06	Sample	2.53				
1005134-07	Sample	2.50				
1005134-08	Sample	2.52				
1005134-09	Sample	2.54				
1005134-10	Sample	2.54				
1005134-11	Sample	2.54				12:00
1005134-12	Sample	2.52				
1005134-13	Sample	2.51				
1005134-14	Sample	2.53				
1005134-15	Sample	2.54				
1005134-16	Sample	2.52				
1005134-17	Sample	2.50				13:30
1005134-18	Sample	2.50				
0052526-MS1	MS	2.50				
0052526-MSD1	MSD	2.50 ~~2.50~~				
1005134-19	Sample	2.51				
1005134-20	Sample	2.50				

Digestion Solution - 06 09 10 jm	
Phosphate Buffer Solution - 06 09 10 jm	
Matrix Spiking Solution (100mg/L CrVI) - ~~0522526jm~~ jm 6-9-10	1006 1-18-2
NaOH ref #	1006 1-1328
K_2HPO_4 ref #	1006 1-1406
KH_2PO_4 ref #	1006 1-1522

Digestion Time Start - 09:00

Digestion Time Stop - 14:45

Reviewed By: _____ Date: 6-17-10

The presence of the Chemist's/analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Generated on: 6/3/2010 6:53 PM

INTERNAL DIGESTION COC

0052526

COMPUCHEM

Printed: 6/3/2010 6:53:30PM

Matrix: Water **repared using: WET CHEM - Default Prep GenChe**

Lab Number	Client ID	Sample Type	
0052526-BLK1	0052526-BLK1	Blank	
0052526-BS1	0052526-BS1	LCS	
0052526-MS1	SB44-5-6MS	Matrix Spike	
0052526-MSD1	SB44-5-6MSD	Matrix Spike Dup	
1005134-01	SS02-0-1	Sample	
1005134-02	SS02D-0-1	Sample	
1005134-03	SB02-5-6	Sample	
1005134-04	SB02D-5-6	Sample	
1005134-05	SB05-7-8	Sample	
1005134-06	SS33-0-1	Sample	
1005134-07	SB33-4-5	Sample	
1005134-08	SB31-5-6	Sample	
1005134-09	SS31-0-1	Sample	
1005134-10	SS32-0-1	Sample	
1005134-11	SS32D-0-1	Sample	
1005134-12	SB32-2.5-3.5	Sample	
1005134-13	SB32D-2.5-3.5	Sample	
1005134-14	SB50-1-2	Sample	

prep lab	6-9-10	Wetchem 6-9-10	6-9-10
Relinquished By	Date	Received By	Date
Wetchem	6-9-10	Storage	6-10-10
Relinquished By	Date	Received By	Date
Relinquished By	Date	Received By	Date
Relinquished By	Date	Received By	Date

INTERNAL DIGESTION COC

0052526

COMPUCHEM

Printed: 6/3/2010 6:53:30PM

Matrix: Water

repared using: WET CHEM - Default Prep GenChe

Lab Number	Client ID	Sample Type	
1005134-15	SS12-0-1	Sample	
1005134-16	SB12-2-3	Sample	
1005134-17	SS44-0-1	Sample	
1005134-18	SB44-5-6	Sample	
1005134-19	SS43-0-1	Sample	
1005134-20	SB43-3-4	Sample	

Cont

jm 6-9-10

Relinquished By	Date	Received By	Date
Relinquished By	Date	Received By	Date
Relinquished By	Date	Received By	Date
Relinquished By	Date	Received By	Date

SW846 - METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS02-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-01

Level (low/med): LOW Date Received: 5/14/2010

% Solids: 84.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	14.9			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS02D-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-02

Level (low/med): LOW Date Received: 5/14/2010

% Solids: 87.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	13.6			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SB02-5-6

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-03

Level (low/med): LOW Date Received: 5/14/2010

% Solids: 79.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	18.0			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB02D-5-6

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-04

Level (low/med): LOW Date Received: 5/14/2010

% Solids: 78.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	18.9			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SB05-7-8

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-05

Level (low/med): LOW Date Received: 5/14/2010

% Solids: 72.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	30.5			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SS33-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-06

Level (low/med): LOW Date Received: 5/19/2010

% Solids: 80.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	0.82	B		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS
-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SB33-4-5

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-07

Level (low/med): LOW Date Received: 5/19/2010

% Solids: 89.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.6			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SB31-5-6

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-08

Level (low/med): LOW Date Received: 5/19/2010

% Solids: 82.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	10.4			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS
-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SS31-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-09

Level (low/med): LOW Date Received: 5/19/2010

% Solids: 88.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	3.9			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS32-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-10

Level (low/med): LOW Date Received: 5/19/2010

% Solids: 97.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	2.4			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS32D-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-11

Level (low/med): LOW Date Received: 5/19/2010

% Solids: 96.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	2.0			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB32-2.5-3.5

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-12

Level (low/med): LOW Date Received: 5/19/2010

% Solids: 92.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	13.9			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB32D-2.5-3.5

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-13

Level (low/med): LOW Date Received: 5/19/2010

% Solids: 91.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	15.3			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB50-1-2

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-14

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 84.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	5.8			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS12-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-15

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 92.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	15.8			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB12-2-3

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-16

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 89.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	8.8			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS44-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-17

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 93.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	3.1			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB44-5-6

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-18

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 85.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	20.0			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SS43-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-19

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 97.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	0.57	B		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS
-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SB43-3-4

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005134

Matrix (soil/water): SOIL Lab Sample ID: 1005134-20

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 92.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	2.0			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

24777

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CHAIN OF CUSTODY

CompuChem
a division of Liberty Analytical Corp.

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page ____ of ____

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: VA Beach State: VA Zip: 23462
Project Contact: Rebekha Shaw
Phone #: 757-671-6279
Sampler's Name: K Rogers / RDM

Project Information

Project Name: GTO-94
Sampling Location: MCB Camp Lejeune
Turnaround time
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Matrix
GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

CompuChem No. (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Total Metals (6010B) 2	Total Chromium (6010B)	SIM PAHs (8270C) 8	TCL Pest (8081A)	Grain Size (ASTM D422) 8	Chromium VI (7196A)		Grain Size	
1005132-01	BBG-SS73-0-1-10B	5-14-10	0825	SO	3							X		X	X	X	X		1005209-14	
—	BBG-SS73-0-1-10B-MS	5-14-10	0825	SO	3							X		X	X	X	X		—	
—	BBG-SS73-0-1-10B-SD	5-14-10	0825	SO	3							X		X	X	X	X		—	
1005132-13	BBG-SS84-0-1-10B	5-14-10	0855	SO	3							X		X	X	X	X		1005209-15	
-14	BBG-SB84-6-7-10B	5-14-10	0905	SO	3							X		X	X	X	X		✓	-16
1005134-01	BBG-SS02-0-1-10B	5-14-10	0930	SO	3								X	X	X	X	X		✓	-17
-02	BBG-SS02D-0-1-10B	5-14-10	0935	SO	3								X	X	X	(*X)	X		—	
-03	BBG-SB02-5-6-10B	5-14-10	0940	SO	3								X	X	X	X	X		1005209-18	
-04	BBG-SB02D-5-6-10B	5-14-10	0945	SO	3								X	X	X	(*X)	X		—	

Lab Use Only

Sample Unpacked By: Jennifer Dorer
Sample Order Entry By: Jennifer Dorer
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

*did not recd Grainsize for BBG-SS02D-01-10B or BBG-SB02D-5-6-10B not needed on "dups" JD 5/14/10 or MS/MSD JD 5/14/10

Sample Shipment

Relinquished by: K Rogers	Date/Time: 5-14-10 1600	Received by: Diane Bond	Date/Time: 5-14-10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? Y or (N) If yes, where? Grain size to CT LABS
Custody Seal(s) intact? (Y) or N
On Ice? (Y) or N
Cooler Temp: 1.7 °C

JD 5/14/10 Client delivered

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

24775

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CHAIN OF CUSTODY

Page ____ of ____

CompuChem
a division of Liberty Analytical Corp.

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St. 101
City: VA Beach State: VA Zip: 23462
Project Contact: Rebekha Shaw
Phone #: 757-671-6279
Sampler's Name: K Rogers / RDM

Project Information

Project Name: CTO-94
Sampling Location: MCB Camp Lejeune
Turnaround time:
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Analysis Requested (Analytical Method/Number of Containers)

Matrix

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

CompuChem No. (Lab Use Only)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Total Metals (6010B) 20	Total Chromium (6010B)	Chromium VI (7196A)	SIM PAH's (8270C) 8	TCL Pest (8081A) 8	Grain Size (ASTM D422) 8		Grain Size		Matrix
100532-07	BBG-SS83-0-1-10B	5-13-10	1555	SO	3							X		X	X	X	X		Grain Size	100521	0-06
-08	BBG-SB83-6.5-7.5-10B	5-13-10	1605	SO	3							X		X	X	X	X				-07
-09	BBG-SS62-0-1-10B	5-13-10	1640	SO	3							X		X	X	X	X				-08
100530-20	BBG-SS05-0-1-10B	5-14-10	0800	SO	3							X	X	X	X	X	X				-09
100534-05	BBG-SB05-7-8-10B	5-14-10	0810	SO	3								X	X	X	X	X				-10

Lab Use Only

Sample Unpacked By: Jennifer Davis
Sample Order Entry By:
Samples Received in Good Condition (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

Sample Custody

Relinquished by:	Date/Time: 5-14-10 1600	Received by: Diana Byrd	Date/Time: 5/14/10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontract? Y or N If yes, where? Grain Size to CTLABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 3.6 °C

Samples stored 60 days after date report mailed at no extra charge.

client delivered

White & Yellow copy to lab • Pink copy for customer

24785

CHAIN OF CUSTODY

Page 1 of 2

CompuChem
a division of Liberty Analytical Corp.

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: VA BEACH State: VA Zip: 23462
Project Contact: REBEKAH SHAW
Phone #: 757-671-6279
Sampler's Name: K ROGERS IRON

Project Information

Project Name: CTO-94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Matrix
GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

CompuChem Lab No.	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Tot Metals 6010B (Share 2oz)	Tot Chromium 6010B	Chrom. VI 7196A	8270 PAH (Share 80z.)	TCL PEST. 8081A	Grain Size ASTMD 422 (1-8oz.)		Grain Size	Sample Comments
1005134-06	BBG-SS33-0-1-10B	5.17	1150	SO	3								X	X	X	X	X		1005211-08	
-07	BBG-SB33-5-10B	5.17	1200	SO	3								X	X	X	X	X			-09
-08	BBG-SB31-5-6-10B	5.17	1240	SO	3								X	X	X	X	X			-10
-09	BBG-SS31-0-1-10B	5.17	1225	SO	3								X	X	X	X	X			-11
1005135-01	BBG-SB73-9-10-10B	5.17	1500	SO	3							X		X	X	X	X		✓	-12
-01	BBG-SB73-9-10-10B-MS	5.17	1500	SO	2							X		X	X	X				
✓ -01	BBG-SB73-9-10-10B-SD	5.17	1500	SO	2							X		X	X	X				
1005134-10	BBG-SS32-0-1-10B	5.18	1100	SO	3								X	X	X	X	X		1005211-13	
-11	BBG-SS32D-0-1-10B	5-18	1105	SO	3								X	X	X	X	X	(2nd)		
-12	BBG-SB32-2.5-3.5-10B	5.18	1110	SO	3								X	X	X	X	X		1005211-14	

Lab Use Only

Sample Unpacked By: K Manning
Sample Order Entry By: [illegible]
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Sample Comments

cm Shake

Relinquished by: [signature]	Date/Time: 5.18.10 1420	Received by: K Manning	Date/Time: 5.19.10 8:30
Relinquished by:	Date/Time:	Received by:	Date/Time:
Subcontract? (Y) or N If yes, where? Grain size to CT Labs	Custody Seal(s) intact? (Y) or N	On Ice? (Y) or N	Cooler Temp: 4.3 °C

Samples stored 60 days after date report mailed at no extra charge.

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SN0010

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Page 2 of 2

CHAIN OF CUSTODY

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501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information
Company Name: CH2M HILL	Project Name: GTO-94
Address: 5700 Cleveland St, 101	Sampling Location: MCB CAMP LEJEUNE
City: VA Beach State: VA Zip: 23462	Turnaround time: PER CONTRACT
Project Contact: Rebekka Shaw	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 757-671-6279	Are aqueous samples field filtered for metals? Y or (N)
Sampler's Name: K. Rogers	Are high concentrations expected? Y or (N) If yes, which ID(s)?

CompuChem No. (Lab Use Only)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Requested Analysis: Tot Metals 6010B	Tot Chromium 6010B (Share 2oz.)	Chromium VI 7196A	SIM PAH 8270C (Share 8oz.)	TCL PEST. 8081A	GRAIN SIZE ASTM D422	Matrix
1005134-13	BB6-SB32D-25-35-10B	5.18	1115	SO	2								X	X	X	X		

Matrix codes: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

Lab Use Only	
Sample Unpacked By: K. Manning	Cyanide samples checked for sulfide & chlorine? Y or NA
Sample Order Entry By:	625 & Phenol samples checked for chlorine? Y or NA
Samples Received in Good Condition? (Y) or N	608 samples checked for pH between 5.0-9.0? Y or NA
If no, explain:	

Relinquished by:	Date/Time: 5.18.10 1420	Received by: K. Manning	Date/Time: 5.19.10 0905
Relinquished by:	Date/Time:	Received by:	Date/Time:
Subcontact? (Y) or N If yes, where? Grain size to CT LABS		Custody Seal(s) intact? Y or N	On Ice? (Y) or N Cooler Temp: 4.3 °C

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CHAIN OF CUSTODY

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Page ____ of ____

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: Va Beach State: VA Zip: 23462
Project Contact: Rebekha Shaw
Phone #: 757-671-6279
Sampler's Name: K. Rogers

Project Information

Project Name: CTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N)? If yes, which ID(s)?

Matrix
GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

CompuChem Lab #	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B (Share)	Tot Cr 6010B 1-202	Cr VI 7196A	SIM PAH 8270C (Share)	TCL PEST 8081A 1-802	Grain Size ASTM D422 (1-802)	Grain Size
1005132-15	BBG-SS81-0-1-10B	5.18	1600	SO	3							X		X	X	X	X	1005212-01
-16	BBG-SS81-5-6-10B	5.18	1620	SO	3							X		X	X	X	X	-02
1005133-11	BBG-SS67-0-1-10B	5.18	1700	SO	3							X		X	X	X	X	-03
1005134-14	BBG-SB50-1-2-10B	5.18	1750	SO	3								X	X	X	X	X	-04
1005132-17	BBG-SS71-0-1-10B	5.19	0735	SO	3							X		X	X	X	X	-05
-18	BBG-SS71D-0-1-10B	5.19	0740	SO	2							X		X	X	X		
-19	BBG-SB71-4-5-10B	5.19	0755	SO	3							X		X	X	X	X	1005212-06
-20	BBG-SB71D-4-5-10B	5.19	0800	SO	2							X		X	X	X		
1005133-12	BBG-SS72-0-1-10B	5.19	0835	SO	3							X		X	X	X	X	1005212-07
-13	BBG-SB72-2-3-10B	5.19	0845	SO	3							X		X	X	X	X	-08

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (N/A)
625 & Phenol samples checked for chlorine? Y or (N/A)
608 samples checked for pH between 5.0-9.0? Y or (N/A)

Relinquished by: [signature] Date/Time: 5.21.10 1600 Received by: K. Manning Date/Time: 5.21.10 1600
Relinquished by: Date/Time: Received by: Date/Time:
Subcontract? (Y) or N If yes, where? Grain size to CTLABS Custody Seal(s) intact? Y or (N) On Ice? (Y) or N Cooler Temp: 4.3 °C

Samples stored 60 days after date report mailed at no extra charge.

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Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: VA BEACH State: VA Zip: 23462
Project Contact: Rebekka Shaw
Phone #: 757-671-6279
Sampler's Name: K. Rogers

Project Information

Project Name: CTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER Contract
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Requested Analysis (Include method and bottle type)

Matrix Codes: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

Lab Use Only	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B (Short 1-20z.)	Tot Cr 6010B	Cr VI 7196A	PAH 8270C (Short 1-80z.) KM 5.21.10	TCL Pest 8081A	Grain Size ASTM D422 (1-80z.)		Grain size	
1005133-14	BBG-SS88-0-1-10B	5.19	0910	SO	3							X		X	X	X	X		1005210-09	
-15	BBG-SB88-2.5-3.5-10B	5.19	0925	SO	3							X		X	X	X	X			-10
-16	BBG-SS76-0-1-10B	5.19	0955	SO	3							X		X	X	X	X			-11
-17	BBG-SB76-6-7-10B	5.19	1045	SO	3							X		X	X	X	X			-12
-18	BBG-SS87-0-1-10B	5.19	1145	SO	3							X		X	X	X	X			-13
-19	BBG-SB87-3-4-10B	5.19	1155	SO	3							X		X	X	X	X			-14
1005134-15	BBG-SS12-0-1-10B	5.19	1245	SO	3								X	X	X	X	X			-15
-16	BBG-SB12-2-3-10B	5.19	1255	SO	3								X	X	X	X	X			-16
1005157-02	BBG-SS51-0-1-10B	5.19	1630	SO	3							X		X	X	X	X		↓	-17
-03	BBG-SS51D-0-1-10B	5.19	1635	SO	2							X		X	X	X				—

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or N (A)
625 & Phenol samples checked for chlorine? Y or N/A
608 samples checked for pH between 5.0-9.0? Y or N/A

Comments/Special Instructions

Sample Custody

Relinquished by:	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5.21.10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontract? (Y) or N If yes, where? Grain size to CT LABS
Custody Seal(s) intact? Y or (N/A)
On Ice? (Y) or N
Cooler Temp: 3.9 °C

Samples stored 60 days after date report mailed at no extra charge.

KM 5.21.10 - Client Delivery

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Page ____ of ____

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: Va Beach State: VA Zip: 23462
Project Contact: REBEKHA SHAW
Phone #: 757-671-6279
Sampler's Name: K. ROGERS

Project Information

Project Name: CTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Requested Analysis (Include Method Number and Container/Preservative)

Matrix: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

Sample Number	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B (Shaw)	tot Cr 6010B	Cr VI 7196A	SIM PAH 8270C (Shaw 1-262)	PCL Pest 8081A (1-262)	Gran Size ASTM D422 (1-262)		Gran Size					
1005157-04	BBG-SS90-0-1-10B	5.19	1455	SO	3							X		X	X	X	X		1005212-18					
-05	BBG-SB90-2-3-10B	5.19	1500	SO	3							X		X	X	X	X		↓ -19					
1005134-17	BBG-SS44-0-1-10B	5.20	0810	SO	3								X	X	X	X	X		↓ -20					
1005134-18	BBG-SB44-5-6-10B	5.20	0825	SO	3								X	X	X	X	X		1005213-01					
↓	BBG-SB44-5-6-10B-MS	5.20	0825	SO	3								X	X	X	X			—					
	BBG-SB44-5-6-10B-SD	5.20	0825	SO	3								X	X	X	X			—					
1005133-20	BBG-SS68-0-1-10B	5.20	0930 0930	SO	3							X		X	X	X	X		1005213-02					
1005134-19	BBG-SS43-0-1-10B	5.20	1035	SO	3								X	X	X	X	X		↓ -03					
↓ -20	BBG-SB43-3-4-10B	5.20	1045	SO	3								X	X	X	X	X		↓ -04					

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (N/A)
625 & Phenol samples checked for chlorine? Y or (N/A)
608 samples checked for pH between 5.0-9.0? Y or (N/A)

Comments:

Sample Custody

Relinquished by:	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5.21.10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? (Y) or N If yes, where? Grain size to CT LABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 3.1 °C

Samples stored 60 days after date report mailed at no extra charge.

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SN0015

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Sample ID Cross Reference

LAB WO	Project	Sample #	Field ID	Sample Date	Receive Date	DueDate	Chain of Custody ID
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-01	SS02-0-1	05/14/2010	05/14/2010	06/03/2010	BBG-SS02-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-01	SS02-0-1	05/14/2010	05/14/2010	06/10/2010	BBG-SS02-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-02	SS02D-0-1	05/14/2010	05/14/2010	06/03/2010	BBG-SS02D-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-02	SS02D-0-1	05/14/2010	05/14/2010	06/10/2010	BBG-SS02D-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-03	SB02-5-6	05/14/2010	05/14/2010	06/03/2010	BBG-SB02-5-6-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-03	SB02-5-6	05/14/2010	05/14/2010	06/10/2010	BBG-SB02-5-6-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-04	SB02D-5-6	05/14/2010	05/14/2010	06/03/2010	BBG-SB02D-5-6-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-04	SB02D-5-6	05/14/2010	05/14/2010	06/10/2010	BBG-SB02D-5-6-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-05	SB05-7-8	05/14/2010	05/14/2010	06/03/2010	BBG-SB05-7-8-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-05	SB05-7-8	05/14/2010	05/14/2010	06/10/2010	BBG-SB05-7-8-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-06	SS33-0-1	05/17/2010	05/19/2010	06/03/2010	BBG-SS33-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-06	SS33-0-1	05/17/2010	05/19/2010	06/10/2010	BBG-SS33-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-07	SB33-4-5	05/17/2010	05/19/2010	06/03/2010	BBG-SB33-4-5-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-07	SB33-4-5	05/17/2010	05/19/2010	06/10/2010	BBG-SB33-4-5-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-08	SB31-5-6	05/17/2010	05/19/2010	06/03/2010	BBG-SB31-5-6-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-08	SB31-5-6	05/17/2010	05/19/2010	06/10/2010	BBG-SB31-5-6-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-09	SS31-0-1	05/17/2010	05/19/2010	06/03/2010	BBG-SS31-0-1-10B

LAB WO	Project	Sample #	Field ID	Sample Date	Receive Date	DueDate	Chain of Custody ID
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-09	SS31-0-1	05/17/2010	05/19/2010	06/10/2010	BBG-SS31-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-10	SS32-0-1	05/18/2010	05/19/2010	06/03/2010	BBG-SS32-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-10	SS32-0-1	05/18/2010	05/19/2010	06/10/2010	BBG-SS32-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-11	SS32D-0-1	05/18/2010	05/19/2010	06/03/2010	BBG-SS32D-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-11	SS32D-0-1	05/18/2010	05/19/2010	06/10/2010	BBG-SS32D-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-12	SB32-2.5-3.5	05/18/2010	05/19/2010	06/03/2010	BBG-SB32-2.5-3.5-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-12	SB32-2.5-3.5	05/18/2010	05/19/2010	06/10/2010	BBG-SB32-2.5-3.5-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-13	SB32D-2.5-3.5	05/18/2010	05/19/2010	06/03/2010	BBG-SB32D-2.5-3.5-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-13	SB32D-2.5-3.5	05/18/2010	05/19/2010	06/10/2010	BBG-SB32D-2.5-3.5-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-14	SB50-1-2	05/18/2010	05/21/2010	06/03/2010	BBG-SB50-1-2-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-14	SB50-1-2	05/18/2010	05/21/2010	06/10/2010	BBG-SB50-1-2-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-15	SS12-0-1	05/19/2010	05/21/2010	06/03/2010	BBG-SS12-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-15	SS12-0-1	05/19/2010	05/21/2010	06/10/2010	BBG-SS12-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-16	SB12-2-3	05/19/2010	05/21/2010	06/03/2010	BBG-SB12-2-3-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-16	SB12-2-3	05/19/2010	05/21/2010	06/10/2010	BBG-SB12-2-3-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-17	SS44-0-1	05/20/2010	05/21/2010	06/03/2010	BBG-SS44-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-17	SS44-0-1	05/20/2010	05/21/2010	06/10/2010	BBG-SS44-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-18	SB44-5-6	05/20/2010	05/21/2010	06/03/2010	BBG-SB44-5-6-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-18	SB44-5-6	05/20/2010	05/21/2010	06/10/2010	BBG-SB44-5-6-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-19	SS43-0-1	05/20/2010	05/21/2010	06/03/2010	BBG-SS43-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-19	SS43-0-1	05/20/2010	05/21/2010	06/10/2010	BBG-SS43-0-1-10B
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-20	SB43-3-4	05/20/2010	05/21/2010	06/03/2010	BBG-SB43-3-4-10B

LAB WO	Project	Sample #	Field ID	Sample Date	Receive Date	DueDate	Chain of Custody ID
1005134	CTO-094 MCB CAMP LEJEUNE/39530	1005134-20	SB43-3-4	05/20/2010	05/21/2010	06/10/2010	BBG-SB43-3-4-10B

WORK ORDER

Printed: 6/17/2010 12:28:58PM

1005134

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005134** **CASE:**	**Status:**	**Prepared**

Report To:
CH2M HILL, INC.
REBEKHA SHAW
5700 CLEVELAND STREET, SUITE 101
VIRGINIA BEACH, VA 23462
Phone: 757-671-8311
Fax: -

Invoice To:
CH2M HILL, INC.
ACCOUNTS PAYABLE
P.O. BOX 241329
DENVER, CO 80224
Phone :757-671-8311
Fax: -

Date Due: 06/10/2010 00:00 (20 day TAT)

Received By: Cathy Dover — Date Received: 05/21/2010 16:00

Logged In By: Cathy Dover — Date Logged In: 05/16/2010 22:48

J & B Flags?: **YES**	TICS?:**NO**	Deliverable: **Style 9 PQL/MDL Forms**	EDD : **30) CH2 SNEDD**
Metals ND to? **RL/CRQL**	Spike Level: **FULL Spike**		

DOD CRITERIA*USE 1005134-18 FOR QC*SIM 8270C=PAH.SUB*PEST 8081A* METALS=TOTAL Cr ONLY*HEXAVALENT Cr 7196A + Cr+3 REPORTED ON FORMS & EDD

Analysis	Due	TAT	Expires	Received	Comments
1005134-01 SS02-0-1 [Soil] Sampled 05/14/2010 09:30 Eastern					
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/28/2010 09:30	05/14/2010 16:00	SubList = SVsim- PAH
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/10/2010 09:30	05/14/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	05/28/2010 09:30	05/14/2010 16:00	SubList = GC- 8081 DOD
Solids, Dry Weight	06/03/2010 16:00	13	11/10/2010 09:30	05/14/2010 16:00	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/10/2010 09:30	05/14/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/10/2010 09:30	05/14/2010 16:00	
1005134-02 SS02D-0-1 [Soil] Sampled 05/14/2010 09:35 Eastern					
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/10/2010 09:35	05/14/2010 16:00	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/10/2010 09:35	05/14/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/10/2010 09:35	05/14/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	05/28/2010 09:35	05/14/2010 16:00	SubList = GC- 8081 DOD
Solids, Dry Weight	06/03/2010 16:00	13	11/10/2010 09:35	05/14/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/28/2010 09:35	05/14/2010 16:00	SubList = SVsim- PAH

1005134

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005134** **CASE:**	**Status:**	**Reported**

Analysis	Due	TAT	Expires		Comments
1005134-03 SB02-5-6 [Soil] Sampled 05/14/2010 09:40 Eastern					
GC-8081A/PEST	06/10/2010 16:00	20	05/28/2010 09:40	05/14/2010 16:00	SubList = GC- 8081 DOD
6010B METALS	06/10/2010 16:00	20	11/10/2010 09:40	05/14/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/28/2010 09:40	05/14/2010 16:00	SubList = SVsim- PAH
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/10/2010 09:40	05/14/2010 16:00	
Solids, Dry Weight	06/03/2010 16:00	13	11/10/2010 09:40	05/14/2010 16:00	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/10/2010 09:40	05/14/2010 16:00	
1005134-04 SB02D-5-6 [Soil] Sampled 05/14/2010 09:45 Eastern					
6010B METALS	06/10/2010 16:00	20	11/10/2010 09:45	05/14/2010 16:00	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/10/2010 09:45	05/14/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	05/28/2010 09:45	05/14/2010 16:00	SubList = GC- 8081 DOD
Solids, Dry Weight	06/03/2010 16:00	13	11/10/2010 09:45	05/14/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/28/2010 09:45	05/14/2010 16:00	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/10/2010 09:45	05/14/2010 16:00	
1005134-05 SB05-7-8 [Soil] Sampled 05/14/2010 08:10 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/10/2010 08:10	05/14/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/28/2010 08:10	05/14/2010 16:00	SubList = SVsim- PAH
Solids, Dry Weight	06/03/2010 16:00	13	11/10/2010 08:10	05/14/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	05/28/2010 08:10	05/14/2010 16:00	SubList = GC- 8081 DOD
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/10/2010 08:10	05/14/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/10/2010 08:10	05/14/2010 16:00	
1005134-06 SS33-0-1 [Soil] Sampled 05/17/2010 11:50 Eastern					
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/31/2010 11:50	05/19/2010 09:05	SubList = SVsim- PAH
Solids, Dry Weight	06/03/2010 16:00	13	11/13/2010 11:50	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/13/2010 11:50	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	05/31/2010 11:50	05/19/2010 09:05	SubList = GC- 8081 DOD
6010B METALS	06/10/2010 16:00	20	11/13/2010 11:50	05/19/2010 09:05	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/13/2010 11:50	05/19/2010 09:05	

1005134

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Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005134** **CASE:**	**Status:**	**[Group]**

Analysis	Due	TAT	Expires		Comments
1005134-07 SB33-4-5 [Soil] Sampled 05/17/2010 12:00 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/13/2010 12:00	05/19/2010 09:05	
6010B METALS	06/10/2010 16:00	20	11/13/2010 12:00	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	05/31/2010 12:00	05/19/2010 09:05	SubList = GC- 8081 DOD
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/13/2010 12:00	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/13/2010 12:00	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/31/2010 12:00	05/19/2010 09:05	SubList = SVsim- PAH
1005134-08 SB31-5-6 [Soil] Sampled 05/17/2010 12:40 Eastern					
6010B METALS	06/10/2010 16:00	20	11/13/2010 12:40	05/19/2010 09:05	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/13/2010 12:40	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	05/31/2010 12:40	05/19/2010 09:05	SubList = GC- 8081 DOD
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/13/2010 12:40	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/13/2010 12:40	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/31/2010 12:40	05/19/2010 09:05	SubList = SVsim- PAH
1005134-09 SS31-0-1 [Soil] Sampled 05/17/2010 12:25 Eastern					
6010B METALS	06/10/2010 16:00	20	11/13/2010 12:25	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	05/31/2010 12:25	05/19/2010 09:05	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/31/2010 12:25	05/19/2010 09:05	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/13/2010 12:25	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/13/2010 12:25	05/19/2010 09:05	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/13/2010 12:25	05/19/2010 09:05	
1005134-10 SS32-0-1 [Soil] Sampled 05/18/2010 11:00 Eastern					
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 11:00	05/19/2010 09:05	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 11:00	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 11:00	05/19/2010 09:05	SubList = GC- 8081 DOD
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 11:00	05/19/2010 09:05	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/14/2010 11:00	05/19/2010 09:05	
6010B METALS	06/10/2010 16:00	20	11/14/2010 11:00	05/19/2010 09:05	

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Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005134** **CASE:**	**Status:**	**Reported**

Analysis	Due	TAT	Expires		Comments
1005134-11 SS32D-0-1 [Soil] Sampled 05/18/2010 11:05 Eastern					
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/14/2010 11:05	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 11:05	05/19/2010 09:05	SubList = SVsim- PAH
6010B METALS	06/10/2010 16:00	20	11/14/2010 11:05	05/19/2010 09:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 11:05	05/19/2010 09:05	SubList = GC- 8081 DOD
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 11:05	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 11:05	05/19/2010 09:05	
1005134-12 SB32-2.5-3.5 [Soil] Sampled 05/18/2010 11:10 Eastern					
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 11:10	05/19/2010 09:05	SubList = GC- 8081 DOD
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/14/2010 11:10	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 11:10	05/19/2010 09:05	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 11:10	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 11:10	05/19/2010 09:05	
6010B METALS	06/10/2010 16:00	20	11/14/2010 11:10	05/19/2010 09:05	
1005134-13 SB32D-2.5-3.5 [Soil] Sampled 05/18/2010 11:15 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 11:15	05/19/2010 09:05	
6010B METALS	06/10/2010 16:00	20	11/14/2010 11:15	05/19/2010 09:05	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/14/2010 11:15	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 11:15	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 11:15	05/19/2010 09:05	SubList = SVsim- PAH
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 11:15	05/19/2010 09:05	SubList = GC- 8081 DOD
1005134-14 SB50-1-2 [Soil] Sampled 05/18/2010 17:50 Eastern					
GC-8081A/PEST	06/10/2010 16:00	20	06/01/2010 17:50	05/21/2010 16:00	SubList = GC- 8081 DOD
Solids, Dry Weight	06/03/2010 16:00	13	11/14/2010 17:50	05/21/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/01/2010 17:50	05/21/2010 16:00	SubList = SVsim- PAH
6010B METALS	06/10/2010 16:00	20	11/14/2010 17:50	05/21/2010 16:00	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/14/2010 17:50	05/21/2010 16:00	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/14/2010 17:50	05/21/2010 16:00	

1005134

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005134** **CASE:**	**Status:**	**Prepared**

Analysis	Due	TAT	Expires		Comments
1005134-15 SS12-0-1 [Soil] Sampled 05/19/2010 12:45 Eastern					
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 12:45	05/21/2010 16:00	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 12:45	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 12:45	05/21/2010 16:00	SubList = GC- 8081 DOD
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/15/2010 12:45	05/21/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/15/2010 12:45	05/21/2010 16:00	
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 12:45	05/21/2010 16:00	
1005134-16 SB12-2-3 [Soil] Sampled 05/19/2010 12:55 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 12:55	05/21/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 12:55	05/21/2010 16:00	SubList = SVsim- PAH
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 12:55	05/21/2010 16:00	SubList = GC- 8081 DOD
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/15/2010 12:55	05/21/2010 16:00	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 12:55	05/21/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/15/2010 12:55	05/21/2010 16:00	
1005134-17 SS44-0-1 [Soil] Sampled 05/20/2010 08:10 Eastern					
6010B METALS	06/10/2010 16:00	20	11/16/2010 08:10	05/21/2010 16:00	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/16/2010 08:10	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 08:10	05/21/2010 16:00	SubList = GC- 8081 DOD
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 08:10	05/21/2010 16:00	
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 08:10	05/21/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 08:10	05/21/2010 16:00	SubList = SVsim- PAH
1005134-18 SB44-5-6 [Soil] Sampled 05/20/2010 08:25 Eastern				**USE FOR QC**	
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 08:25	05/21/2010 16:00	SubList = GC- 8081 DOD
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 08:25	05/21/2010 16:00	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 08:25	05/21/2010 16:00	
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 08:25	05/21/2010 16:00	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/16/2010 08:25	05/21/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/16/2010 08:25	05/21/2010 16:00	

1005134

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005134** **CASE:**	**Status:**	**Reported**

Analysis	Due	TAT	Expires		Comments
1005134-19 SS43-0-1 [Soil] Sampled 05/20/2010 10:35 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 10:35	05/21/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 10:35	05/21/2010 16:00	SubList = SVsim- PAH
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 10:35	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 10:35	05/21/2010 16:00	SubList = GC- 8081 DOD
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/16/2010 10:35	05/21/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/16/2010 10:35	05/21/2010 16:00	
1005134-20 SB43-3-4 [Soil] Sampled 05/20/2010 10:45 Eastern					
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 10:45	05/21/2010 16:00	SubList = SVsim- PAH
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 10:45	05/21/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/16/2010 10:45	05/21/2010 16:00	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/16/2010 10:45	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 10:45	05/21/2010 16:00	SubList = GC- 8081 DOD
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 10:45	05/21/2010 16:00	

Analysis groups included in this work order

TRIVALENT CHROMIUM Cr3 7196A

Total Cr by Metals HEXAVALENT CHROMI

~~Extractions~~ Wetchem Custody Sheet

Batch: 0052526 **Status**: Batched **Analysis**: HEXAVALENT CHROMIUM 7196A

Lab Id	Client_Id	Received	Container	Extraction	Preservative	Matrix	Due Date	Cust Date
1005134-01 B	SS02-0-1	05/14/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/17/2010
1005134-02 B	SS02D-0-1	05/14/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/17/2010
1005134-03 B	SB02-5-6	05/14/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/17/2010
1005134-04 B	SB02D-5-6	05/14/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/17/2010
1005134-05 B	SB05-7-8	05/14/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/17/2010
1005134-06 B	SS33-0-1	05/19/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/20/2010
1005134-07 B	SB33-4-5	05/19/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/28/2010
1005134-08 B	SB31-5-6	05/19/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/28/2010
1005134-09 B	SS31-0-1	05/19/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/28/2010
1005134-10 B	SS32-0-1	05/19/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/28/2010
1005134-11 B	SS32D-0-1	05/19/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/28/2010
1005134-12 B	SB32-2.5-3.5	05/19/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/28/2010
1005134-13 B	SB32D-2.5-3.5	05/19/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/28/2010
1005134-14 B	SB50-1-2	05/21/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/28/2010
1005134-15 B	SS12-0-1	05/21/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/28/2010
1005134-16 B	SB12-2-3	05/21/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/28/2010
1005134-17 B	SS44-0-1	05/21/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/28/2010
1005134-18 F	SB44-5-6	05/21/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/28/2010
1005134-19 B	SS43-0-1	05/21/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/28/2010
1005134-20 B	SB43-3-4	05/21/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/28/2010

Relinquished By	Date/Time	Received By	Date/Time
Cooler #1 / Soil Shelf	6.04.10 1403	K. Manning	6.04.10 1403
K. Manning	6.04.10 1408		6.4.10
	6-9-10	Cooler #1	6.10.10

CompuChem

A Division Of

Liberty Analytical Corp.

7/7/2010

REBEKHA SHAW

CH2M HILL, INC.

5700 CLEVELAND STREET, SUITE 101

VIRGINIA BEACH, VA 23462

Subject:

Report of Data - Project: CTO-094 MCB CAMP LEJEUNE/395307.S. WorkOrder: 1005157

Attn.: REBEKHA SHAW

Enclosed are the results of analytical work performed in accordance with the referenced account number. This report covers sample(s) appearing on the listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097

Sincerely,

Compuchem

a division of Liberty Analytical Corporation

Attachment

TOTAL NUMBER

OF PAGES _____

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

CompuChem, a division of Liberty Analytical

Client: CH2M HILL, INC. **Work:** 1005157

Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM **Sdg:** 1005157

Lab ID	Client ID	Matrix	Date Sampled	Date Received
1005157-01	SB73-9-10	Soil	05/17/2010 15:00	05/19/2010 09:05
1005157-02	SS51-0-1	Soil	05/19/2010 16:30	05/21/2010 16:05
1005157-03	SS51D-0-1	Soil	05/19/2010 16:35	05/21/2010 16:05
1005157-04	SS90-0-1	Soil	05/19/2010 14:55	05/21/2010 16:05
1005157-05	SB90-2-3	Soil	05/19/2010 15:00	05/21/2010 16:05
1005157-06	SS70-0-1	Soil	05/20/2010 12:00	05/21/2010 16:05
1005157-07	SB70-1-2	Soil	05/20/2010 12:10	05/21/2010 16:05
1005157-08	SS69-0-1	Soil	05/20/2010 16:10	05/21/2010 16:05
1005157-09	SB69-2-3	Soil	05/20/2010 16:20	05/21/2010 16:05
1005157-10	SB64-1-2	Soil	05/20/2010 18:20	05/21/2010 16:05
1005157-11	SB65-1-2	Soil	05/20/2010 17:45	05/21/2010 16:05
1005157-12	SS64-0-1	Soil	05/20/2010 18:15	05/21/2010 16:05
1005157-13	SS66-0-1	Soil	05/20/2010 17:20	05/21/2010 16:05
1005157-14	SS65-0-1	Soil	05/20/2010 17:40	05/21/2010 16:05
1005157-15	SS82-0-1	Soil	05/21/2010 08:25	05/21/2010 16:05
1005157-16	SS82D-0-1	Soil	05/21/2010 08:30	05/21/2010 16:05
1005157-17	SB82-2-3	Soil	05/21/2010 08:40	05/21/2010 16:05
1005157-18	SB82D-2-3	Soil	05/21/2010 08:45	05/21/2010 16:05

39CompuChem, a Division of Liberty Analytical Corporation

I. SAMPLE DATA PACKAGE

SW-846

The sample data package shall include data for all analyses of all samples in one Sample Delivery Group (SDG), including field and analytical samples, reanalyses, blanks, spikes, duplicates, and laboratory control samples. The sample data package consists of the following:

A. Cover Page

B. Sample Data

C. Chain-of-Custody (CoC) Documentation

LAB CODE : LIBRTY

CONTRACT # : SW-846

CASE # : _____

SDG # : 1005157

A. Cover Page -

Inorganic Analyses Data Package

The Cover Page includes laboratory information, the Case and SDG numbers, the client ID numbers in alphanumeric order showing the client ID numbers cross-referenced with Lab ID numbers, comments, and completion of the statement on the use of ICP background and interelement correction for the samples.

On separate pages, the laboratory will include any problems encountered; both technical and administrative, the corrective action taken, and the resolution. This information is included in the Inorganic Case Summary Narrative which follows the Cover Page.

SW846 - METALS

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: 1005157

SOW No.: SW846

EPA Sample No.	Lab Sample ID.
SB64-1-2	1005157-10
SB65-1-2	1005157-11
SB69-2-3	1005157-09
SB70-1-2	1005157-07
SB73-9-10	1005157-01
SB73-9-10D	0052623-DUP1
SB73-9-10D	0052625-DUP1
SB73-9-10S	0052623-MS1
SB73-9-10S	0052625-MS1
SB73-9-10SD	0052623-MSD1
SB73-9-10SD	0052625-MSD1
SB82-2-3	1005157-17
SB82D-2-3	1005157-18
SB90-2-3	1005157-05
SS51-0-1	1005157-02
SS51D-0-1	1005157-03
SS64-0-1	1005157-12
SS65-0-1	1005157-14
SS66-0-1	1005157-13
SS69-0-1	1005157-08
SS70-0-1	1005157-06
SS82-0-1	1005157-15
SS82D-0-1	1005157-16
SS90-0-1	1005157-04

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Susan Bass for Susan Bass Name: Susan W Bass

Date: 7-7-10 Title: Senior Chemist

CompuChem
a Division of Liberty Analytical Corp.
501 Madison Avenue
Cary, NC 27513

SDG NARRATIVE
SDG # 1005157

The indicated Sample Delivery Group (SDG) consisting of eighteen (18) solid samples was received into the laboratory information management system (LIMS) on May 19 and 21, 2010 intact and in good condition with Chain of Custody (COC) Records in order, unless otherwise noted in any attachments or Quality Assurance Notices. The temperature of the samples upon receipt was 0.3 to 4.3°C. Sample ID's reported in this data package are noted by the receiving department on the COC if they differ from those listed by the samplers on the COC.

The samples were prepared and analyzed in accordance with SW846 methodology for the requested TAL metals and mercury.

INSTRUMENTAL QUALITY CONTROL:

All calibration verification solutions (ICV & CCV) and blanks (ICB & CCB) associated with this data were confirmed to be within allowable limits.

SAMPLE PREPARATION QUALITY CONTROL:

The sample preparation procedure verification (PBS & LCSS) was found to be within acceptable ranges and field samples were prepared and analyzed within the specified holding times.

MATRIX RELATED QUALITY CONTROL:

The sample matrix spikes, CCN = 1005157-01 ID SS73-9-10S and SS73-9-10SD were inside control limits for the requested analytes except antimony and selenium.

The sample matrix duplicate, CCN = 1005157-01 ID SS73-9-10D was inside control limits for the requested analytes except iron and vanadium.

CLP control limits for duplicate determinations are +/- 20% Relative Percent Difference (RPD) for concentrations greater than or equal to five times the CRDL in both the original and duplicate samples, and +/- the CRDL for concentrations less than five times the CRDL. The RPD is not calculated if both the original and duplicate values fall below the IDL.

A five-fold serial dilution of sample, CCN = 1005157-01 ID SS73-9-10L was performed in accordance with requirements for ICP and mercury analysis.

The adjusted sample concentration was inside control limits for the requested analytes except magnesium.

Control limits for serial dilution are defined as a deviation less than or equal to 10% in the dilution adjusted concentrations from the original values for all analyte concentrations greater than fifty (50) times their respective Instrument Detection Limit (IDL) in the original sample.

The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package. Furthermore, I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice.

Susan W. Bass
Senior Chemist
June 12, 2010

Organic Undecanted Dry Weight Worksheet

0052608

Procedure: L-143-190

T. WILLIAMS 1289

Employee ID No

Temp in: 105°

Temp out: 102°

Date Assigned: 5-26-10

Date/Time in: 5-26-10 @ 1636

Date/Time out: 5/27/10 @ 0955

Lab Number	Client ID	Sample Type	Weight of Container (0.00g)	Weight of Container & Wet Sample (0.00g)	Weight of Container & Dry Sample (0.00g)
1005157-01	SS73-9-10 B@ 7/7/10	Sample	1.34	7.20	6.02
1005157-02	SS51-0-1	Sample	1.33	7.19	5.54
1005157-03	SS51D-0-1	Sample	1.33	6.12	5.04
1005157-04	SS90-0-1	Sample	1.28	5.62	5.41
1005157-05	SB90-2-3	Sample	1.29	8.06	6.96
1005157-06	SS70-0-1	Sample	1.33	7.40	7.26
1005157-07	SB70-1-2	Sample	1.33	7.12	6.75
1005157-08	SS69-0-1	Sample	1.33	5.94	5.29
1005157-09	SB69-2-3	Sample	1.32	7.76	6.60
1005157-10	SB64-1-2	Sample	1.31	7.25	6.46
1005157-11	SB65-1-2	Sample	1.33	6.56	5.52
1005157-12	SS64-0-1	Sample	1.32	5.77	5.36
1005157-13	SS66-0-1	Sample	1.34	6.09	3.71
1005157-14	SS65-0-1	Sample	1.31	7.76	6.85
1005157-15	SS82-0-1	Sample	1.32	6.24	6.10
1005157-16	SS82D-0-1	Sample	1.34	6.26	6.11
1005157-17	SB82-2-3	Sample	1.34	6.81	6.02
1005157-18	SB82D-2-3	Sample	1.33	7.03	6.23

Entered into Element by: _____ 5-28-10

Date

DATA REPORTING QUALIFIERS FOR INORGANICS

On Form I, under the column labeled "C" for concentration qualifier and "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each analyte.

The C (concentration) qualifiers used are:

U: This flag indicates the analyte was analyzed for but not detected. This reported value was obtained from a reading that was less than the Instrument Detection Limit (IDL). The IDL will be adjusted to reflect any dilution and, for soils, the percent moisture.

B: This flag indicates the analyte was analyzed for and the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Method Detection Limit (MDL).

The Q qualifiers used are:

E: This flag indicates an estimated value. This flag is used:

1. When the serial dilution (a five fold dilution for CLP and a five fold dilution for SW-846 method 6010B) results are not within 10%. The analyte concentration must be sufficiently high (minimally a factor of 50X above the IDL in the original sample).

N: This flag indicates the sample spike recovery is outside of control limits:

***:** This flag is used for duplicate analysis when the sample and the sample duplicate results are not within control limits.

The extensions: D, S, SD, L. A, added to the end of the client ID represent as follows:

D: matrix duplicate
S: matrix spike
SD: matrix spike duplicate
L: serial dilution
A: post digestion spike

Method Codes:

P: ICP PLASMA
CV: MERCURY COLD VAPOR AA
CA: MIDI-DISTILLATION SPECTROPHOTOMETRIC
MS: MASS SPECTROMETRY
AS: SEMI-AUTOMATED SPECTROPHOTOMETRIC

B. Sample Data

1. Results
2. Quality Control Data
3. Quarterly Verification of Instrument Performance
4. Raw Data
5. Digestion and Distillation Logs

LAB CODE : LIBRTY

CONTRACT # : SW-846

CASE # : _____

SDG # : 1005157

1. Results

Sample results shall be arranged in packets with the Inorganic Analysis Data Sheet (Form I - IN). These sample packets shall be placed in increasing Client Sample ID number order, considering both letters and numbers, and shall include all the samples in the SDG.

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB64-1-2

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Lab Sample ID: 1005157-10

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 86.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3870			P
7440-36-0	Antimony	1.3		N	P
7440-38-2	Arsenic	1.1	U		P
7440-39-3	Barium	15.4	B		P
7440-41-7	Beryllium	0.54	U		P
7440-43-9	Cadmium	0.11	B		P
7440-70-2	Calcium	162	B		P
7440-47-3	Chromium	4.1			P
7440-48-4	Cobalt	0.54	U		P
7440-50-8	Copper	0.75			P
7439-89-6	Iron	2700		*	P
7439-92-1	Lead	3.3			P
7439-95-4	Magnesium	175	B	E	P
7439-96-5	Manganese	25.9			P
7439-97-6	Mercury	0.016	B		CV
7440-02-0	Nickel	1.2			P
7440-09-7	Potassium	544	U		P
7782-49-2	Selenium	0.54	U	N	P
7440-22-4	Silver	0.54	U		P
7440-23-5	Sodium	68.0	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	5.6		*	P
7440-66-6	Zinc	3.3			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB65-1-2

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Lab Sample ID: 1005157-11

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 80.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3220			P
7440-36-0	Antimony	1.5		N	P
7440-38-2	Arsenic	1.2	U		P
7440-39-3	Barium	2.5	B		P
7440-41-7	Beryllium	0.07	B		P
7440-43-9	Cadmium	0.62	U		P
7440-70-2	Calcium	79.8	B		P
7440-47-3	Chromium	4.2			P
7440-48-4	Cobalt	0.62	U		P
7440-50-8	Copper	0.25	B		P
7439-89-6	Iron	147		*	P
7439-92-1	Lead	2.4			P
7439-95-4	Magnesium	53.7	B	E	P
7439-96-5	Manganese	0.94	B		P
7439-97-6	Mercury	0.025	B		CV
7440-02-0	Nickel	0.26	B		P
7440-09-7	Potassium	618	U		P
7782-49-2	Selenium	0.43	B	N	P
7440-22-4	Silver	0.09	B		P
7440-23-5	Sodium	65.3	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	2.7		*	P
7440-66-6	Zinc	0.88	B		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB69-2-3

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Lab Sample ID: 1005157-09

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 82.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9890			P
7440-36-0	Antimony	1.4		N	P
7440-38-2	Arsenic	1.9			P
7440-39-3	Barium	8.5	B		P
7440-41-7	Beryllium	0.05	B		P
7440-43-9	Cadmium	0.36	B		P
7440-70-2	Calcium	171	B		P
7440-47-3	Chromium	11.2			P
7440-48-4	Cobalt	0.60	U		P
7440-50-8	Copper	0.68			P
7439-89-6	Iron	8410		*	P
7439-92-1	Lead	3.7			P
7439-95-4	Magnesium	300	B	E	P
7439-96-5	Manganese	7.0			P
7439-97-6	Mercury	0.016	B		CV
7440-02-0	Nickel	3.4			P
7440-09-7	Potassium	64.1	B		P
7782-49-2	Selenium	1.0		N	P
7440-22-4	Silver	0.07	B		P
7440-23-5	Sodium	69.3	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	14.2		*	P
7440-66-6	Zinc	5.2			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB70-1-2

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Lab Sample ID: 1005157-07

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 89.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2350			P
7440-36-0	Antimony	1.4		N	P
7440-38-2	Arsenic	1.1	U		P
7440-39-3	Barium	3.1	B		P
7440-41-7	Beryllium	0.05	B		P
7440-43-9	Cadmium	0.54	U		P
7440-70-2	Calcium	87.2	B		P
7440-47-3	Chromium	1.7			P
7440-48-4	Cobalt	0.54	U		P
7440-50-8	Copper	0.21	B		P
7439-89-6	Iron	217		*	P
7439-92-1	Lead	2.9			P
7439-95-4	Magnesium	61.2	B	E	P
7439-96-5	Manganese	1.3			P
7439-97-6	Mercury	0.024	B		CV
7440-02-0	Nickel	0.43	B		P
7440-09-7	Potassium	540	U		P
7782-49-2	Selenium	0.54	U	N	P
7440-22-4	Silver	0.06	B		P
7440-23-5	Sodium	80.1	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	0.94	B	*	P
7440-66-6	Zinc	1.1	B		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SB82-2-3

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Lab Sample ID: 1005157-17

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 85.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15200			P
7440-36-0	Antimony	1.4		N	P
7440-38-2	Arsenic	1.7			P
7440-39-3	Barium	25.4			P
7440-41-7	Beryllium	0.08	B		P
7440-43-9	Cadmium	0.31	B		P
7440-70-2	Calcium	773			P
7440-47-3	Chromium	14.8			P
7440-48-4	Cobalt	0.44	B		P
7440-50-8	Copper	2.7			P
7439-89-6	Iron	6460		*	P
7439-92-1	Lead	4.6			P
7439-95-4	Magnesium	304	B	E	P
7439-96-5	Manganese	7.1			P
7439-97-6	Mercury	0.025	B		CV
7440-02-0	Nickel	3.7			P
7440-09-7	Potassium	124	B		P
7782-49-2	Selenium	0.58	U	N	P
7440-22-4	Silver	0.58	U		P
7440-23-5	Sodium	62.0	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	16.8		*	P
7440-66-6	Zinc	4.8			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB82D-2-3

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Lab Sample ID: 1005157-18

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 86.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9620			P
7440-36-0	Antimony	1.3		N	P
7440-38-2	Arsenic	0.88	B		P
7440-39-3	Barium	16.7	B		P
7440-41-7	Beryllium	0.08	B		P
7440-43-9	Cadmium	0.24	B		P
7440-70-2	Calcium	515	B		P
7440-47-3	Chromium	9.4			P
7440-48-4	Cobalt	0.32	B		P
7440-50-8	Copper	2.6			P
7439-89-6	Iron	4290		*	P
7439-92-1	Lead	3.7			P
7439-95-4	Magnesium	197	B	E	P
7439-96-5	Manganese	4.6			P
7439-97-6	Mercury	0.032	B		CV
7440-02-0	Nickel	2.3			P
7440-09-7	Potassium	23.8	B		P
7782-49-2	Selenium	0.45	B	N	P
7440-22-4	Silver	0.08	B		P
7440-23-5	Sodium	72.6	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	10.8		*	P
7440-66-6	Zinc	12.3			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB90-2-3

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Lab Sample ID: 1005157-05

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 83.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2510			P
7440-36-0	Antimony	1.5		N	P
7440-38-2	Arsenic	1.2	U		P
7440-39-3	Barium	4.4	B		P
7440-41-7	Beryllium	0.59	U		P
7440-43-9	Cadmium	0.59	U		P
7440-70-2	Calcium	388	B		P
7440-47-3	Chromium	3.6			P
7440-48-4	Cobalt	0.59	U		P
7440-50-8	Copper	0.68			P
7439-89-6	Iron	416		*	P
7439-92-1	Lead	2.3			P
7439-95-4	Magnesium	102	B	E	P
7439-96-5	Manganese	1.5			P
7439-97-6	Mercury	0.014	B		CV
7440-02-0	Nickel	0.76			P
7440-09-7	Potassium	591	U		P
7782-49-2	Selenium	0.47	B	N	P
7440-22-4	Silver	0.08	B		P
7440-23-5	Sodium	52.8	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	1.9	B	*	P
7440-66-6	Zinc	1.3	B		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.: SS51-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Lab Sample ID: 1005157-02

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 71.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4520			P
7440-36-0	Antimony	2.1		N	P
7440-38-2	Arsenic	1.4			P
7440-39-3	Barium	13.3	B		P
7440-41-7	Beryllium	0.13	B		P
7440-43-9	Cadmium	0.51	B		P
7440-70-2	Calcium	20900			P
7440-47-3	Chromium	8.0			P
7440-48-4	Cobalt	0.47	B		P
7440-50-8	Copper	41.0			P
7439-89-6	Iron	5570		*	P
7439-92-1	Lead	48.3			P
7439-95-4	Magnesium	829		E	P
7439-96-5	Manganese	35.3			P
7439-97-6	Mercury	0.13			CV
7440-02-0	Nickel	3.1			P
7440-09-7	Potassium	284	B		P
7782-49-2	Selenium	0.48	B	N	P
7440-22-4	Silver	0.23	B		P
7440-23-5	Sodium	688			P
7440-28-0	Thallium	1.3	U		P
7440-62-2	Vanadium	10.6		*	P
7440-66-6	Zinc	59.7			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.: SS51D-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Lab Sample ID: 1005157-03

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 77.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2890			P
7440-36-0	Antimony	2.1		N	P
7440-38-2	Arsenic	0.90	B		P
7440-39-3	Barium	8.7	B		P
7440-41-7	Beryllium	0.09	B		P
7440-43-9	Cadmium	0.21	B		P
7440-70-2	Calcium	3060			P
7440-47-3	Chromium	4.9			P
7440-48-4	Cobalt	0.59	U		P
7440-50-8	Copper	28.8			P
7439-89-6	Iron	3000		*	P
7439-92-1	Lead	54.6			P
7439-95-4	Magnesium	310	B	E	P
7439-96-5	Manganese	8.2			P
7439-97-6	Mercury	0.21			CV
7440-02-0	Nickel	1.5			P
7440-09-7	Potassium	60.6	B		P
7782-49-2	Selenium	0.28	B	N	P
7440-22-4	Silver	0.17	B		P
7440-23-5	Sodium	412	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	6.3		*	P
7440-66-6	Zinc	33.4			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.: SS64-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Lab Sample ID: 1005157-12

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 90.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5150			P
7440-36-0	Antimony	1.0		N	P
7440-38-2	Arsenic	1.0	U		P
7440-39-3	Barium	17.4	B		P
7440-41-7	Beryllium	0.09	B		P
7440-43-9	Cadmium	0.14	B		P
7440-70-2	Calcium	161	B		P
7440-47-3	Chromium	4.3			P
7440-48-4	Cobalt	0.51	U		P
7440-50-8	Copper	0.95			P
7439-89-6	Iron	2900		*	P
7439-92-1	Lead	3.2			P
7439-95-4	Magnesium	195	B	E	P
7439-96-5	Manganese	51.1			P
7439-97-6	Mercury	0.028	B		CV
7440-02-0	Nickel	1.4			P
7440-09-7	Potassium	505	U		P
7782-49-2	Selenium	0.27	B	N	P
7440-22-4	Silver	0.04	B		P
7440-23-5	Sodium	61.1	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	5.4		*	P
7440-66-6	Zinc	3.9			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS
-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SS65-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Lab Sample ID: 1005157-14

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 85.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	490			P
7440-36-0	Antimony	1.4		N	P
7440-38-2	Arsenic	1.1	U		P
7440-39-3	Barium	0.90	B		P
7440-41-7	Beryllium	0.07	B		P
7440-43-9	Cadmium	0.54	U		P
7440-70-2	Calcium	91.8	B		P
7440-47-3	Chromium	1.0	B		P
7440-48-4	Cobalt	0.54	U		P
7440-50-8	Copper	0.32	B		P
7439-89-6	Iron	81.9		*	P
7439-92-1	Lead	1.3			P
7439-95-4	Magnesium	11.1	B	E	P
7439-96-5	Manganese	0.72	B		P
7439-97-6	Mercury	0.011	B		CV
7440-02-0	Nickel	0.23	B		P
7440-09-7	Potassium	544	U		P
7782-49-2	Selenium	0.29	B	N	P
7440-22-4	Silver	0.05	B		P
7440-23-5	Sodium	57.1	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	0.66	B	*	P
7440-66-6	Zinc	1.1	B		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SS66-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Lab Sample ID: 1005157-13

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 49.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2240			P
7440-36-0	Antimony	1.5	B	N	P
7440-38-2	Arsenic	0.84	B		P
7440-39-3	Barium	3.5	B		P
7440-41-7	Beryllium	0.95	U		P
7440-43-9	Cadmium	0.15	B		P
7440-70-2	Calcium	1780			P
7440-47-3	Chromium	6.9			P
7440-48-4	Cobalt	0.95	U		P
7440-50-8	Copper	1.9			P
7439-89-6	Iron	2320		*	P
7439-92-1	Lead	4.3			P
7439-95-4	Magnesium	1650		E	P
7439-96-5	Manganese	9.8			P
7439-97-6	Mercury	0.025	B		CV
7440-02-0	Nickel	2.2			P
7440-09-7	Potassium	613	B		P
7782-49-2	Selenium	0.56	B	N	P
7440-22-4	Silver	0.11	B		P
7440-23-5	Sodium	7730			P
7440-28-0	Thallium	1.9	U		P
7440-62-2	Vanadium	7.9		*	P
7440-66-6	Zinc	8.0			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS
-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SS69-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Lab Sample ID: 1005157-08

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 85.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1350			P
7440-36-0	Antimony	1.3		N	P
7440-38-2	Arsenic	1.2	U		P
7440-39-3	Barium	2.9	B		P
7440-41-7	Beryllium	0.58	U		P
7440-43-9	Cadmium	0.58	U		P
7440-70-2	Calcium	110	B		P
7440-47-3	Chromium	1.9			P
7440-48-4	Cobalt	0.58	U		P
7440-50-8	Copper	0.29	B		P
7439-89-6	Iron	1280		*	P
7439-92-1	Lead	2.1			P
7439-95-4	Magnesium	44.7	B	E	P
7439-96-5	Manganese	1.9			P
7439-97-6	Mercury	0.017	B		CV
7440-02-0	Nickel	0.43	B		P
7440-09-7	Potassium	576	U		P
7782-49-2	Selenium	0.43	B	N	P
7440-22-4	Silver	0.10	B		P
7440-23-5	Sodium	64.0	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	2.4		*	P
7440-66-6	Zinc	1.4	B		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SS70-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Lab Sample ID: 1005157-06

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 97.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	72.9			P
7440-36-0	Antimony	1.2		N	P
7440-38-2	Arsenic	0.95	U		P
7440-39-3	Barium	0.79	B		P
7440-41-7	Beryllium	0.06	B		P
7440-43-9	Cadmium	0.47	U		P
7440-70-2	Calcium	61.3	B		P
7440-47-3	Chromium	0.70	B		P
7440-48-4	Cobalt	0.47	U		P
7440-50-8	Copper	0.18	B		P
7439-89-6	Iron	42.8		*	P
7439-92-1	Lead	1.5			P
7439-95-4	Magnesium	7.3	B	E	P
7439-96-5	Manganese	1.8			P
7439-97-6	Mercury	0.011	B		CV
7440-02-0	Nickel	0.14	B		P
7440-09-7	Potassium	474	U		P
7782-49-2	Selenium	0.47	U	N	P
7440-22-4	Silver	0.03	B		P
7440-23-5	Sodium	37.6	B		P
7440-28-0	Thallium	0.95	U		P
7440-62-2	Vanadium	0.34	B	*	P
7440-66-6	Zinc	0.62	B		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB73-9-10

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Lab Sample ID: 1005157-01

Level (low/med): LOW Date Received: 5/19/2010

% Solids: 79.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8180			P
7440-36-0	Antimony	1.3		N	P
7440-38-2	Arsenic	0.66	B		P
7440-39-3	Barium	14.8	B		P
7440-41-7	Beryllium	0.13	B		P
7440-43-9	Cadmium	0.24	B		P
7440-70-2	Calcium	98.8	B		P
7440-47-3	Chromium	12.6			P
7440-48-4	Cobalt	0.63	U		P
7440-50-8	Copper	2.5			P
7439-89-6	Iron	4030		*	P
7439-92-1	Lead	8.8			P
7439-95-4	Magnesium	326	B	E	P
7439-96-5	Manganese	6.1			P
7439-97-6	Mercury	0.041	U		CV
7440-02-0	Nickel	1.1			P
7440-09-7	Potassium	327	B		P
7782-49-2	Selenium	0.63	U	N	P
7440-22-4	Silver	0.63	U		P
7440-23-5	Sodium	134	B		P
7440-28-0	Thallium	1.3	U		P
7440-62-2	Vanadium	8.5		*	P
7440-66-6	Zinc	3.8			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS82-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Lab Sample ID: 1005157-15

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 97.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1650			P
7440-36-0	Antimony	1.1		N	P
7440-38-2	Arsenic	0.96	U		P
7440-39-3	Barium	6.4	B		P
7440-41-7	Beryllium	0.48	U		P
7440-43-9	Cadmium	0.08	B		P
7440-70-2	Calcium	655			P
7440-47-3	Chromium	2.3			P
7440-48-4	Cobalt	0.48	U		P
7440-50-8	Copper	1.1			P
7439-89-6	Iron	1040		*	P
7439-92-1	Lead	5.2			P
7439-95-4	Magnesium	114	B	E	P
7439-96-5	Manganese	11.6			P
7439-97-6	Mercury	0.013	B		CV
7440-02-0	Nickel	0.80			P
7440-09-7	Potassium	481	U		P
7782-49-2	Selenium	0.27	B	N	P
7440-22-4	Silver	0.04	B		P
7440-23-5	Sodium	49.5	B		P
7440-28-0	Thallium	0.96	U		P
7440-62-2	Vanadium	3.1		*	P
7440-66-6	Zinc	3.6			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS82D-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Lab Sample ID: 1005157-16

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 97.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2170			P
7440-36-0	Antimony	1.2		N	P
7440-38-2	Arsenic	1.0	U		P
7440-39-3	Barium	7.0	B		P
7440-41-7	Beryllium	0.51	U		P
7440-43-9	Cadmium	0.10	B		P
7440-70-2	Calcium	675			P
7440-47-3	Chromium	2.6			P
7440-48-4	Cobalt	0.51	U		P
7440-50-8	Copper	1.6			P
7439-89-6	Iron	1280		*	P
7439-92-1	Lead	5.0			P
7439-95-4	Magnesium	146	B	E	P
7439-96-5	Manganese	14.2			P
7439-97-6	Mercury	0.015	B		CV
7440-02-0	Nickel	0.98			P
7440-09-7	Potassium	510	U		P
7782-49-2	Selenium	0.51	U	N	P
7440-22-4	Silver	0.07	B		P
7440-23-5	Sodium	60.8	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	3.6		*	P
7440-66-6	Zinc	4.6			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS90-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Lab Sample ID: 1005157-04

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 95.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	393			P
7440-36-0	Antimony	1.2		N	P
7440-38-2	Arsenic	1.0	U		P
7440-39-3	Barium	2.5	B		P
7440-41-7	Beryllium	0.51	U		P
7440-43-9	Cadmium	0.51	U		P
7440-70-2	Calcium	208	B		P
7440-47-3	Chromium	1.2			P
7440-48-4	Cobalt	0.51	U		P
7440-50-8	Copper	0.51	B		P
7439-89-6	Iron	172		*	P
7439-92-1	Lead	1.5			P
7439-95-4	Magnesium	33.3	B	E	P
7439-96-5	Manganese	2.0			P
7439-97-6	Mercury	0.015	B		CV
7440-02-0	Nickel	0.24	B		P
7440-09-7	Potassium	515	U		P
7782-49-2	Selenium	0.51	U	N	P
7440-22-4	Silver	0.07	B		P
7440-23-5	Sodium	52.4	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	0.97	B	*	P
7440-66-6	Zinc	0.98	B		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

2. Quality Control Data

a. Initial and Continuing Calibration Verification
[Form II (Part 1) - IN]

b. CRDL Standard for AA (if applicable) and ICP
[Form II (Part 2) - IN]

c. Blanks
[Form III - IN]

d. ICP Interference Check Sample
[Form IV - IN]

e. Spike Sample Recovery
[Form V (Part 1) - IN]

f. Post Digest Spike Sample Recovery
[Form V (Part 2) - IN]

g. Duplicates
[Form VI - IN]

h. Laboratory Control Sample
[Form VII - IN]

i. Standard Addition Results (if applicable)
[Form VIII - IN]

j. ICP Serial Dilutions
[Form IX - IN]

k. Preparation Log
[Form XIII - IN]

l. Analysis Run Log
[Form XIV - IN]

SW846 - METALS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Initial Calibration Source: EPA-0307

Continuing Calibration Source: HP0912103/4

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum	2521.0	2399.05	95	50000.0	47069.55	94	47058.65	94	P
Antimony	994.0	976.21	98	1000.0	990.91	99	996.29	100	P
Arsenic	999.0	996.37	100	1000.0	1016.26	102	1013.31	101	P
Barium	497.0	492.53	99	1000.0	968.79	97	978.61	98	P
Beryllium	495.0	501.80	101	1000.0	1027.90	103	1011.86	101	P
Cadmium	496.0	487.73	98	1000.0	979.52	98	972.65	97	P
Calcium	10026.0	9633.91	96	50000.0	49156.48	98	48076.82	96	P
Chromium	490.0	486.02	99	1000.0	994.57	99	967.83	97	P
Cobalt	499.0	501.80	101	1000.0	1002.53	100	994.51	99	P
Copper	492.0	496.48	101	1000.0	1000.79	100	994.04	99	P
Iron	5082.0	4936.16	97	25000.0	24796.97	99	24381.52	98	P
Lead	1002.0	970.98	97	1000.0	971.55	97	966.83	97	P
Magnesium	6074.0	5968.23	98	50000.0	50393.88	101	49845.90	100	P
Manganese	499.0	494.23	99	1000.0	1009.72	101	991.00	99	P
Mercury	4.0	3.92	98	5.0	4.82	96	4.98	100	CV
Nickel	503.0	490.01	97	1000.0	977.04	98	969.90	97	P
Potassium	10021.0	10715.09	107	50000.0	50325.86	101	51647.23	103	P
Selenium	1029.0	976.20	95	1000.0	989.29	99	988.00	99	P
Silver	501.0	499.34	100	100.0	102.43	102	100.75	101	P
Sodium	10097.0	9585.22	95	50000.0	49340.85	99	49670.02	99	P
Thallium	1028.0	1003.90	98	1000.0	978.39	98	976.88	98	P
Vanadium	501.0	498.77	100	1000.0	1007.06	101	987.90	99	P
Zinc	1025.0	950.96	93	1100.0	1067.19	97	1041.33	95	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

SW846 - METALS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Initial Calibration Source: EPA-0307

Continuing Calibration Source: HP0912103/4

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				50000.0	46873.67	94	46975.37	94	P
Antimony				1000.0	993.25	99	985.33	99	P
Arsenic				1000.0	1005.00	100	1005.69	101	P
Barium				1000.0	982.97	98	960.52	96	P
Beryllium				1000.0	996.35	100	998.09	100	P
Cadmium				1000.0	959.31	96	960.70	96	P
Calcium				50000.0	47090.00	94	47894.27	96	P
Chromium				1000.0	935.07	94	942.58	94	P
Cobalt				1000.0	970.76	97	982.95	98	P
Copper				1000.0	986.81	99	995.79	100	P
Iron				25000.0	23932.94	96	24089.39	96	P
Lead				1000.0	957.82	96	962.99	96	P
Magnesium				50000.0	49156.25	98	49492.39	99	P
Manganese				1000.0	960.25	96	966.56	97	P
Mercury				5.0	4.88	98	4.90	98	CV
Nickel				1000.0	959.96	96	962.13	96	P
Potassium				50000.0	51886.59	104	51401.16	103	P
Selenium				1000.0	993.64	99	983.37	98	P
Silver				100.0	99.76	100	101.37	101	P
Sodium				50000.0	49808.88	100	49923.75	100	P
Thallium				1000.0	972.43	97	973.93	97	P
Vanadium				1000.0	965.22	97	971.54	97	P
Zinc				1100.0	1021.91	93	1041.93	95	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

SW846 - METALS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Initial Calibration Source: EPA-0307

Continuing Calibration Source: HP0912103/4

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				50000.0	46191.39	92	47022.25	94	P
Antimony				1000.0	994.83	99	998.97	100	P
Arsenic				1000.0	1015.71	102	1007.99	101	P
Barium				1000.0	949.88	95	958.52	96	P
Beryllium				1000.0	1014.55	101	1001.10	100	P
Cadmium				1000.0	988.30	99	969.58	97	P
Calcium				50000.0	49084.48	98	48094.06	96	P
Chromium				1000.0	958.40	96	951.90	95	P
Cobalt				1000.0	999.91	100	983.41	98	P
Copper				1000.0	1020.08	102	1007.46	101	P
Iron				25000.0	24562.81	98	24235.66	97	P
Lead				1000.0	982.90	98	966.77	97	P
Magnesium				50000.0	49677.59	99	49798.39	100	P
Manganese				1000.0	979.80	98	975.70	98	P
Mercury				5.0	4.89	98	5.07	101	CV
Nickel				1000.0	982.89	98	968.44	97	P
Potassium				50000.0	49758.69	100	51278.90	103	P
Selenium				1000.0	986.15	99	989.80	99	P
Silver				100.0	106.07	106	103.00	103	P
Sodium				50000.0	49569.43	99	50226.95	100	P
Thallium				1000.0	981.69	98	976.18	98	P
Vanadium				1000.0	970.93	97	969.86	97	P
Zinc				1100.0	1087.66	99	1047.23	95	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

SW846 - METALS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Initial Calibration Source: EPA-0307

Continuing Calibration Source: HP0912103/4

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				50000.0	46401.58	93	47205.22	94	P
Antimony				1000.0	997.63	100	1008.10	101	P
Arsenic				1000.0	1016.46	102	1019.16	102	P
Barium				1000.0	950.76	95	962.34	96	P
Beryllium				1000.0	1013.86	101	1025.53	103	P
Cadmium				1000.0	993.86	99	1001.47	100	P
Calcium				50000.0	49288.22	99	49811.32	100	P
Chromium				1000.0	975.48	98	989.16	99	P
Cobalt				1000.0	1003.13	100	1017.11	102	P
Copper				1000.0	1023.31	102	1038.98	104	P
Iron				25000.0	24828.84	99	25028.92	100	P
Lead				1000.0	983.95	98	991.94	99	P
Magnesium				50000.0	50015.39	100	50691.04	101	P
Manganese				1000.0	994.81	99	1010.36	101	P
Nickel				1000.0	986.48	99	995.88	100	P
Potassium				50000.0	49978.20	100	49890.55	100	P
Selenium				1000.0	986.26	99	992.86	99	P
Silver				100.0	106.22	106	108.11	108	P
Sodium				50000.0	49763.20	100	50159.54	100	P
Thallium				1000.0	980.90	98	981.04	98	P
Vanadium				1000.0	969.16	97	997.59	100	P
Zinc				1100.0	1096.43	100	1100.75	100	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

SW846 - METALS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Initial Calibration Source: EPA-0307

Continuing Calibration Source: HP0912103/4

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				50000.0	47697.79	95	48284.54	97	P
Antimony				1000.0	1009.78	101	1008.74	101	P
Arsenic				1000.0	1005.61	101	1002.28	100	P
Barium				1000.0	982.82	98	996.82	100	P
Beryllium				1000.0	1003.20	100	1005.24	101	P
Cadmium				1000.0	973.26	97	966.25	97	P
Calcium				50000.0	48228.34	96	48085.44	96	P
Chromium				1000.0	961.13	96	972.39	97	P
Cobalt				1000.0	992.16	99	986.28	99	P
Copper				1000.0	1018.95	102	1030.36	103	P
Iron				25000.0	24352.37	97	24283.99	97	P
Lead				1000.0	972.56	97	967.77	97	P
Magnesium				50000.0	50164.48	100	50369.53	101	P
Manganese				1000.0	984.85	98	988.12	99	P
Nickel				1000.0	973.48	97	966.24	97	P
Potassium				50000.0	51614.85	103	51495.04	103	P
Selenium				1000.0	987.54	99	985.10	99	P
Silver				100.0	103.90	104	104.21	104	P
Sodium				50000.0	50997.90	102	51137.69	102	P
Thallium				1000.0	984.49	98	973.74	97	P
Vanadium				1000.0	982.21	98	996.78	100	P
Zinc				1100.0	1044.80	95	1028.31	93	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

SW846 - METALS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Initial Calibration Source: EPA-0307

Continuing Calibration Source: HP0912103/4

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				50000.0	47350.82	95			P
Antimony				1000.0	993.94	99			P
Arsenic				1000.0	988.29	99			P
Barium				1000.0	982.82	98			P
Beryllium				1000.0	999.09	100			P
Cadmium				1000.0	959.10	96			P
Calcium				50000.0	47772.31	96			P
Chromium				1000.0	960.03	96			P
Cobalt				1000.0	976.22	98			P
Copper				1000.0	1018.51	102			P
Iron				25000.0	23960.79	96			P
Lead				1000.0	958.77	96			P
Magnesium				50000.0	49557.64	99			P
Manganese				1000.0	978.03	98			P
Nickel				1000.0	957.91	96			P
Potassium				50000.0	50506.01	101			P
Selenium				1000.0	967.13	97			P
Silver				100.0	103.79	104			P
Sodium				50000.0	49921.02	100			P
Thallium				1000.0	957.34	96			P
Vanadium				1000.0	980.52	98			P
Zinc				1100.0	1021.57	93			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

AA CRDL Standard Source: HP0916320

ICP CRDL Standard Source: HP1004012

Concentration Units: ug/L

Analyte	True	Found	%R	CRDL Standard for ICP Initial True	Initial Found	Initial %R	Final Found	Final %R
Aluminum				200.0	207.89	103.9		
Antimony				10.0	11.24	112.4		
Arsenic				10.0	13.92	139.2		
Barium				200.0	185.16	92.6		
Beryllium				5.0	5.24	104.8		
Cadmium				5.0	4.81	96.2		
Calcium				5000.0	4769.83	95.4		
Chromium				10.0	9.75	97.5		
Cobalt				5.0	5.57	111.4		
Copper				5.0	4.84	96.8		
Iron				100.0	76.00	76.0		
Lead				3.0	3.49	116.3		
Magnesium				5000.0	4748.92	95.0		
Manganese				10.0	9.57	95.7		
Mercury	0.2	0.22	110.0					
Nickel				5.0	5.34	106.8		
Potassium				5000.0	4444.73	88.9		
Selenium				5.0	6.98	139.6		
Silver				5.0	4.96	99.2		
Sodium				5000.0	4397.91	88.0		
Thallium				10.0	13.25	132.5		
Vanadium				20.0	19.02	95.1		
Zinc				20.0	19.88	99.4		

Control Limits: no limits have been established by EPA at this time

SW846 - METALS

3

BLANKS

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	200.0	U	41.0	B	200.0	U	200.0	U	3.846	B	P
Antimony	10.0	U	3.3	B	4.3	B	3.5	B	0.794	B	P
Arsenic	10.0	U	10.0	U	10.0	U	10.0	U	1.000	U	P
Barium	200.0	U	200.0	U	200.0	U	200.0	U	20.000	U	P
Beryllium	0.9	B	5.0	U	5.0	U	5.0	U	0.500	U	P
Cadmium	5.0	U	5.0	U	5.0	U	5.0	U	0.500	U	P
Calcium	369.9	B	395.1	B	377.7	B	382.2	B	52.940	B	P
Chromium	10.0	U	10.0	U	10.0	U	10.0	U	0.221	B	P
Cobalt	5.0	U	5.0	U	5.0	U	5.0	U	0.500	U	P
Copper	5.0	U	5.0	U	5.0	U	5.0	U	0.377	B	P
Iron	100.0	U	17.7	B	100.0	U	100.0	U	4.849	B	P
Lead	3.0	U	3.0	U	3.0	U	3.0	U	0.281	B	P
Magnesium	5000.0	U	31.8	B	9.0	B	14.3	B	3.042	B	P
Manganese	0.3	B	0.2	B	10.0	U	0.3	B	0.118	B	P
Mercury	0.200	U	0.200	U	0.200	U	0.200	U	0.033	U	CV
Nickel	5.0	U	5.0	U	5.0	U	1.1	B	0.500	U	P
Potassium	-1439.0	B	-1424.1	B	-1436.6	B	-1431.3	B	-140.650	B	P
Selenium	5.0	U	5.0	U	5.0	U	5.0	U	0.500	U	P
Silver	5.0	U	5.0	U	5.0	U	5.0	U	0.062	B	P
Sodium	5000.0	U	5000.0	U	5000.0	U	5000.0	U	37.432	B	P
Thallium	10.0	U	10.0	U	4.1	B	5.1	B	-0.346	B	P
Vanadium	20.0	U	20.0	U	20.0	U	20.0	U	2.000	U	P
Zinc	20.0	U	20.0	U	20.0	U	20.0	U	2.000	U	P

3

BLANKS

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			200.0	U	35.3	B	54.1	B			P
Antimony			3.9	B	3.3	B	2.5	B			P
Arsenic			10.0	U	10.0	U	10.0	U			P
Barium			200.0	U	200.0	U	200.0	U			P
Beryllium			5.0	U	0.8	B	1.2	B			P
Cadmium			5.0	U	5.0	U	5.0	U			P
Calcium			377.5	B	380.7	B	382.5	B			P
Chromium			1.0	B	10.0	U	1.0	B			P
Cobalt			1.6	B	5.0	U	5.0	U			P
Copper			5.0	U	5.0	U	5.0	U			P
Iron			100.0	U	100.0	U	100.0	U			P
Lead			2.2	B	3.0	U	3.0	U			P
Magnesium			14.0	B	15.3	B	17.4	B			P
Manganese			0.3	B	0.4	B	0.5	B			P
Mercury			0.200	U	0.200	U	0.200	U			CV
Nickel			5.0	U	1.2	B	0.8	B			P
Potassium			-1423.6	B	-1425.7	B	-1423.2	B			P
Selenium			2.8	B	2.5	B	5.0	U			P
Silver			5.0	U	5.0	U	5.0	U			P
Sodium			5000.0	U	5000.0	U	5000.0	U			P
Thallium			3.2	B	3.7	B	5.2	B			P
Vanadium			20.0	U	20.0	U	20.0	U			P
Zinc			20.0	U	20.0	U	20.0	U			P

SW846 - METALS

3

BLANKS

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			31.8	B	34.9	B	200.0	U			P
Antimony			3.3	B	5.0	B	3.2	B			P
Arsenic			10.0	U	10.0	U	10.0	U			P
Barium			200.0	U	200.0	U	200.0	U			P
Beryllium			5.0	U	0.8	B	5.0	U			P
Cadmium			5.0	U	5.0	U	5.0	U			P
Calcium			372.9	B	379.4	B	374.5	B			P
Chromium			1.1	B	2.0	B	1.0	B			P
Cobalt			1.6	B	5.0	U	5.0	U			P
Copper			5.0	U	5.0	U	5.0	U			P
Iron			100.0	U	27.6	B	100.0	U			P
Lead			3.0	U	3.0	U	3.0	U			P
Magnesium			5000.0	U	14.9	B	5000.0	U			P
Manganese			0.4	B	0.6	B	0.3	B			P
Nickel			5.0	U	1.3	B	5.0	U			P
Potassium			-1438.8	B	-1423.4	B	-1432.2	B			P
Selenium			5.0	U	5.0	U	2.2	B			P
Silver			5.0	U	5.0	U	5.0	U			P
Sodium			5000.0	U	5000.0	U	5000.0	U			P
Thallium			10.0	U	4.1	B	10.0	U			P
Vanadium			20.0	U	20.0	U	20.0	U			P
Zinc			20.0	U	20.0	U	20.0	U			P

3

BLANKS

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			200.0	U	200.0	U					P
Antimony			10.0	U	10.0	U					P
Arsenic			10.0	U	10.0	U					P
Barium			200.0	U	200.0	U					P
Beryllium			5.0	U	5.0	U					P
Cadmium			5.0	U	5.0	U					P
Calcium			376.5	B	379.7	B					P
Chromium			10.0	U	1.2	B					P
Cobalt			5.0	U	5.0	U					P
Copper			5.0	U	5.0	U					P
Iron			100.0	U	14.4	B					P
Lead			3.0	U	3.0	U					P
Magnesium			5000.0	U	9.0	B					P
Manganese			0.3	B	0.4	B					P
Nickel			5.0	U	0.7	B					P
Potassium			-1426.6	B	-1430.3	B					P
Selenium			5.0	U	5.0	U					P
Silver			5.0	U	5.0	U					P
Sodium			5000.0	U	5000.0	U					P
Thallium			3.3	B	10.0	U					P
Vanadium			20.0	U	20.0	U					P
Zinc			20.0	U	20.0	U					P

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

ICP ID Number: P4 ICS Source: EPA-503-203

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Aluminum	244100	241100	235000	235000	97.5			
Antimony	0	589	3.3	601	102.0			
Arsenic	0	101	-0.77	105	104.0			
Barium	0	495	2.5	490	99.0			
Beryllium	0	475	1.1	484	101.9			
Cadmium	0	940	7.6	931	99.0			
Calcium	234900	231100	245000	244000	105.6			
Chromium	43	511	41.9	504	98.6			
Cobalt	0	461	-0.11	475	103.0			
Copper	23	548	22.9	521	95.1			
Iron	95600	94800	93800	93700	98.8			
Lead	10	61	4.8	53.9	88.4			
Magnesium	247500	251100	254000	252000	100.4			
Manganese	19	502	18.6	500	99.6			
Nickel	21	984	20.8	958	97.4			
Potassium	0	0	-1440	-1430				
Selenium	0	53	1.5	49.5	93.4			
Silver	0	206	0.034	200	97.1			
Sodium	0	0	817	873				
Thallium	0	103	11.1	111	107.8			
Vanadium	0	494	-3.9	481	97.4			
Zinc	28	1028	31.5	919	89.4			

SW846 - METALS

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

SB73-9-10S

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 79.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75 - 125	12.1548		1.2972		62.58	17	N	P
Arsenic	75 - 125	4.5537		0.6645	B	5.01	78		P
Barium	75 - 125	259.7236		14.8174	B	250.31	98		P
Beryllium	75 - 125	6.1028		0.1316	B	6.26	95		P
Cadmium	75 - 125	6.0227		0.2450	B	6.26	92		P
Chromium	75 - 125	42.7080		12.5562		25.03	120		P
Cobalt	75 - 125	58.1952		0.6258	U	62.58	93		P
Copper	75 - 125	33.8975		2.4873		31.29	100		P
Lead	75 - 125	11.4642		8.7879		2.50	107		P
Manganese	75 - 125	64.5857		6.1492		62.58	93		P
Mercury	75 - 125	0.2086		0.0413	U	0.21	99.3		CV
Nickel	75 - 125	58.2647		1.0874		62.58	91		P
Selenium	75 - 125	0.7673		0.6258	U	1.25	61	N	P
Silver	75 - 125	5.7893		0.6258	U	6.26	92		P
Thallium	75 - 125	5.4869		1.2516	U	6.26	88		P
Vanadium	75 - 125	72.4291		8.4888		62.58	102		P
Zinc	75 - 125	60.3345		3.8125		62.58	90		P

Comments:

SW846 - METALS

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

SB73-9-10SD

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 79.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75 - 125	10.5309		1.2972		62.58	15	N	P
Arsenic	75 - 125	4.1048		0.6645	B	5.01	69		P
Barium	75 - 125	244.4164		14.8174	B	250.31	92		P
Beryllium	75 - 125	5.5456		0.1316	B	6.26	86		P
Cadmium	75 - 125	5.5616		0.2450	B	6.26	85		P
Chromium	75 - 125	39.4243		12.5562		25.03	107		P
Cobalt	75 - 125	52.7441		0.6258	U	62.58	84		P
Copper	75 - 125	31.4749		2.4873		31.29	93		P
Lead		11.0353		8.7879		2.50	90		P
Manganese	75 - 125	58.6078		6.1492		62.58	84		P
Mercury	75 - 125	0.1896		0.0413	U	0.21	90.3		CV
Nickel	75 - 125	52.9331		1.0874		62.58	83		P
Selenium	75 - 125	1.2506		0.6258	U	1.25	100		P
Silver	75 - 125	5.2208		0.6258	U	6.26	83		P
Thallium	75 - 125	4.8968		1.2516	U	6.26	78		P
Vanadium	75 - 125	68.1347		8.4888		62.58	95		P
Zinc	75 - 125	53.1838		3.8125		62.58	79		P

Comments:

SW846 - METALS

5B

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

SB73-9-10A

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added(SA)	%R	Q	M
Antimony		123.71		10.36		120.0	94		P
Selenium		11.11		5.00	U	10.0	111		P

Comments:

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DUPLICATES

SAMPLE NO.

SB73-9-10D

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 79.9 % Solids for Duplicate: 79.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		8179.8130		8469.7380		3.5		P
Antimony	1.3	1.2972		1.5151		15.5		P
Arsenic		0.6645	B	1.2233	B	59.2		P
Barium		14.8174	B	15.3123	B	3.3		P
Beryllium		0.1316	B	0.1188	B	10.2		P
Cadmium		0.2450	B	0.2181	B	11.6		P
Calcium		98.8138	B	102.7477	B	3.9		P
Chromium		12.5562		13.8198		9.6		P
Cobalt		0.6258	U	0.6258	U			P
Copper	0.6	2.4873		2.7137		8.7		P
Iron		4025.6280		5089.7710		23.3	*	P
Lead		8.7879		9.1150		3.7		P
Magnesium		325.5997	B	330.0727	B	1.4		P
Manganese	1.3	6.1492		6.1904		0.7		P
Mercury		0.0413	U	0.0413	U			CV
Nickel	0.6	1.0874		1.2486		13.8		P
Potassium		326.5190	B	335.8321	B	2.8		P
Selenium		0.6258	U	0.3478	B	200.0		P
Silver		0.6258	U	0.6258	U			P
Sodium		134.3265	B	132.4992	B	1.4		P
Thallium		1.2516	U	1.2516	U			P
Vanadium	2.5	8.4888		12.1608		35.6	*	P
Zinc	2.5	3.8125		4.4844		16.2		P

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LABORATORY CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: 1005157

Solid LCS Source: ERA-540

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum				7590.0	6812.56		4390.0	10800.0	90
Antimony				77.5	33.32		0.1	173.0	43
Arsenic				80.9	71.84		64.5	97.3	89
Barium				156.0	148.72		128.0	184.0	95
Beryllium				143.0	129.32		117.0	169.0	90
Cadmium				233.0	205.03		188.0	277.0	88
Calcium				4320.0	3867.91		3420.0	5220.0	90
Chromium				60.8	52.55		47.7	73.8	86
Cobalt				68.6	61.87		56.1	81.1	90
Copper				131.0	135.19		108.0	154.0	103
Iron				14400.0	9984.40		7420.0	21400.0	69
Lead				76.8	67.21		61.9	91.8	88
Magnesium				2220.0	1916.11		1710.0	2730.0	86
Manganese				304.0	276.90		243.0	365.0	91
Mercury				3.6	3.3		2.5	4.8	92
Nickel				49.6	44.44		40.4	58.8	90
Potassium				2380.0	2524.93		1700.0	3060.0	106
Selenium				82.9	68.70		62.6	103.0	83
Silver				80.0	77.07		49.0	111.0	96
Sodium				456.0	415.26	B	254.0	658.0	91
Thallium				158.0	141.41		119.0	197.0	90
Vanadium				72.4	60.01		51.7	93.0	83
Zinc				116.0	98.85		90.5	141.0	85

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ICP SERIAL DILUTIONS

SAMPLE NO.

SB73-9-10L

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	65356.71		68592.00		5.0		P
Antimony	10.36		14.43	B	39.3		P
Arsenic	5.31	B	50.00	U	100.0		P
Barium	118.39	B	123.92	B	4.7		P
Beryllium	1.05	B	25.00	U	100.0		P
Cadmium	1.96	B	25.00	U	100.0		P
Calcium	789.52	B	2377.43	B	201.1		P
Chromium	100.32		100.28		0.0		P
Cobalt	2.12	B	25.00	U	100.0		P
Copper	19.87		21.08	B	6.1		P
Iron	32164.77		32694.81		1.6		P
Lead	70.22		72.78		3.6		P
Magnesium	2601.54	B	2873.51	B	10.5	E	P
Manganese	49.13		52.12		6.1		P
Mercury	0.20	U	1.00	U			CV
Nickel	8.69		11.18	B	28.7		P
Potassium	2608.89	B	25000.00	U	100.0	E	P
Selenium	5.00	U	25.00	U			P
Silver	5.00	U	25.00	U			P
Sodium	1073.27	B	1265.04	B	17.9		P
Thallium	10.00	U	50.00	U			P
Vanadium	67.83		68.03	B	0.3		P
Zinc	30.46		45.00	B	47.7		P

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PREPARATION LOG

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Method: P

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS	6/1/2010	1.00	100.0
PBS	6/1/2010	1.00	100.0
SB64-1-2	6/1/2010	1.06	100.0
SB65-1-2	6/1/2010	1.01	100.0
SB69-2-3	6/1/2010	1.01	100.0
SB70-1-2	6/1/2010	1.04	100.0
SB73-9-10	6/1/2010	1.00	100.0
SB73-9-10D	6/1/2010	1.00	100.0
SB73-9-10S	6/1/2010	1.00	100.0
SB73-9-10SD	6/1/2010	1.00	100.0
SB82-2-3	6/1/2010	1.01	100.0
SB82D-2-3	6/1/2010	1.02	100.0
SB90-2-3	6/1/2010	1.01	100.0
SS51-0-1	6/1/2010	1.04	100.0
SS51D-0-1	6/1/2010	1.09	100.0
SS64-0-1	6/1/2010	1.09	100.0
SS65-0-1	6/1/2010	1.07	100.0
SS66-0-1	6/1/2010	1.06	100.0
SS69-0-1	6/1/2010	1.01	100.0
SS70-0-1	6/1/2010	1.08	100.0
SS82-0-1	6/1/2010	1.07	100.0
SS82D-0-1	6/1/2010	1.01	100.0
SS90-0-1	6/1/2010	1.02	100.0

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PREPARATION LOG

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Method: CV

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS	6/1/2010	0.20	100.0
PBS	6/1/2010	0.60	100.0
SB64-1-2	6/1/2010	0.63	100.0
SB65-1-2	6/1/2010	0.62	100.0
SB69-2-3	6/1/2010	0.63	100.0
SB70-1-2	6/1/2010	0.62	100.0
SB73-9-10	6/1/2010	0.60	100.0
SB73-9-10D	6/1/2010	0.60	100.0
SB73-9-10S	6/1/2010	0.60	100.0
SB73-9-10SD	6/1/2010	0.60	100.0
SB82-2-3	6/1/2010	0.61	100.0
SB82D-2-3	6/1/2010	0.63	100.0
SB90-2-3	6/1/2010	0.61	100.0
SS51-0-1	6/1/2010	0.61	100.0
SS51D-0-1	6/1/2010	0.60	100.0
SS64-0-1	6/1/2010	0.61	100.0
SS65-0-1	6/1/2010	0.68	100.0
SS66-0-1	6/1/2010	0.64	100.0
SS69-0-1	6/1/2010	0.61	100.0
SS70-0-1	6/1/2010	0.61	100.0
SS82-0-1	6/1/2010	0.62	100.0
SS82D-0-1	6/1/2010	0.61	100.0
SS90-0-1	6/1/2010	0.60	100.0

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Instrument ID Number: P4 Method: P

Start Date: 6/11/2010 End Date: 6/12/2010

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN			
S0	1.00	0930		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
S	1.00	0937							X		X		X		X				X		X	X		X		X			
S	1.00	0944		X						X						X				X			X						
S	1.00	0950				X	X	X				X		X			X								X				
S	1.00	0956			X																								
ICV	1.00	1002		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ICB	1.00	1009		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	1.00	1016																											
ICSA	1.00	1023		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ICSAB	1.00	1030		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCV	1.00	1037		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB	1.00	1044		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
LRS	1.00	1055		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	1.00	1102																											
ZZZZZZ	1.00	1109																											
ZZZZZZ	1.00	1116																											
ZZZZZZ	1.00	1123																											
ZZZZZZ	1.00	1131																											
ZZZZZZ	1.00	1138																											
ZZZZZZ	5.00	1145																											
ZZZZZZ	1.00	1152																											
ZZZZZZ	1.00	1159																											
CCV	1.00	1206		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB	1.00	1213		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	1.00	1221																											
ZZZZZZ	1.00	1231																											
ZZZZZZ	1.00	1238																											
ZZZZZZ	1.00	1246																											
CCV	1.00	1253		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB	1.00	1300		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	1.00	1311																											
ZZZZZZ	1.00	1319																											
ZZZZZZ	1.00	1326																											
ZZZZZZ	1.00	1333																											
ZZZZZZ	1.00	1340																											
ZZZZZZ	1.00	1347																											
ZZZZZZ	5.00	1354																											
ZZZZZZ	1.00	1401																											

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Instrument ID Number: P4 Method: P

Start Date: 6/11/2010 End Date: 6/12/2010

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN	
ZZZZZZ	1.00	1409																										
CCV	1.00	1416		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
CCB	1.00	1423		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ	1.00	1430																										
ZZZZZZ	1.00	1437																										
ZZZZZZ	1.00	1444																										
ZZZZZZ	1.00	1451																										
ZZZZZZ	1.00	1459																										
ZZZZZZ	1.00	1506																										
ZZZZZZ	1.00	1513																										
ZZZZZZ	1.00	1520																										
ZZZZZZ	1.00	1527																										
ZZZZZZ	1.00	1534																										
CCV	1.00	1541		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
CCB	1.00	1549		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ	1.00	1556																										
ZZZZZZ	1.00	1603																										
ZZZZZZ	1.00	1610																										
ZZZZZZ	1.00	1617																										
ZZZZZZ	1.00	1624																										
ZZZZZZ	1.00	1631																										
ZZZZZZ	1.00	1639																										
ZZZZZZ	1.00	1649																										
ZZZZZZ	1.00	1657																										
ZZZZZZ	1.00	1704																										
CCV	1.00	1711		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
CCB	1.00	1718		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ	1.00	1725																										
ZZZZZZ	1.00	1732																										
ZZZZZZ	1.00	1739																										
ZZZZZZ	1.00	1747																										
ZZZZZZ	5.00	1754																										
ZZZZZZ	1.00	1801																										
ZZZZZZ	1.00	1808																										
ZZZZZZ	1.00	1815																										
ZZZZZZ	1.00	1822																										
ZZZZZZ	1.00	1829																										
CCV	1.00	1837		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Instrument ID Number: P4 Method: P

Start Date: 6/11/2010 End Date: 6/12/2010

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCB	1.00	1844		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1851																										
ZZZZZZ	1.00	1858																										
ZZZZZZ	1.00	1905																										
ZZZZZZ	1.00	1912																										
ZZZZZZ	1.00	1919																										
ZZZZZZ	1.00	1929																										
ZZZZZZ	1.00	1936																										
ZZZZZZ	1.00	1944																										
ZZZZZZ	1.00	1951																										
ZZZZZZ	1.00	1958																										
CCV	1.00	2005		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.00	2012		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	2019																										
ZZZZZZ	1.00	2026																										
ZZZZZZ	1.00	2034																										
ZZZZZZ	1.00	2041																										
ZZZZZZ	1.00	2048																										
PBS	1.00	2055		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
LCSS	1.00	2102		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
SB73-9-10	1.00	2109		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
SB73-9-10D	1.00	2116		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
SB73-9-10S	1.00	2124			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	X	
CCV	1.00	2131		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.00	2138		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
SB73-9-10SD	1.00	2145			X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	X	
SB73-9-10L	5.00	2152		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
SB73-9-10A	1.00	2159			X																	X						
SS51-0-1	1.00	2206		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
SS51D-0-1	1.00	2214		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
SS90-0-1	1.00	2221		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
SB90-2-3	1.00	2228		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
SS70-0-1	1.00	2235		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
SB70-1-2	1.00	2242		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
SS69-0-1	1.00	2249		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.00	2256		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.00	2304		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
SB69-2-3	1.00	2311		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Instrument ID Number: P4 Method: P

Start Date: 6/11/2010 End Date: 6/12/2010

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN				
SB64-1-2	1.00	2318		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
SB65-1-2	1.00	2325		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
SS64-0-1	1.00	2332		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
SS66-0-1	1.00	2339		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
SS65-0-1	1.00	2347		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
SS82-0-1	1.00	2354		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
SS82D-0-1	1.00	0001		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
SB82-2-3	1.00	0008		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
SB82D-2-3	1.00	0015		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCV	1.00	0022		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCB	1.00	0029		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				

SW846 - METALS

14

ANALYSIS RUN LOG

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Instrument ID Number: V4 Method: CV

Start Date: 6/3/2010 End Date: 6/3/2010

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	0913																X									
S0.2	1.00	0914																X									
S0.5	1.00	0916																X									
S1	1.00	0918																X									
S5	1.00	0920																X									
S10	1.00	0922																X									
ICV	1.00	0924																X									
ICB	1.00	0926																X									
CRA	1.00	0928																X									
CCV	1.00	0929																X									
CCB	1.00	0931																X									
ZZZZZZ	1.00	0933																									
ZZZZZZ	1.00	0935																									
ZZZZZZ	1.00	0937																									
ZZZZZZ	1.00	0939																									
ZZZZZZ	1.00	0941																									
ZZZZZZ	1.00	0943																									
ZZZZZZ	1.00	0945																									
ZZZZZZ	1.00	0947																									
ZZZZZZ	1.00	0949																									
ZZZZZZ	1.00	0950																									
CCV	1.00	0953																X									
CCB	1.00	0954																X									
ZZZZZZ	1.00	0956																									
ZZZZZZ	1.00	0958																									
ZZZZZZ	1.00	1000																									
ZZZZZZ	1.00	1002																									
ZZZZZZ	1.00	1004																									
ZZZZZZ	1.00	1006																									
ZZZZZZ	1.00	1008																									
ZZZZZZ	1.00	1010																									
ZZZZZZ	1.00	1012																									
ZZZZZZ	1.00	1014																									
CCV	1.00	1015																X									
CCB	1.00	1017																X									
ZZZZZZ	1.00	1019																									
ZZZZZZ	1.00	1021																									
ZZZZZZ	1.00	1023																									

SW846 - METALS

14

ANALYSIS RUN LOG

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Instrument ID Number: V4 Method: CV

Start Date: 6/3/2010 End Date: 6/3/2010

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	1025																										
ZZZZZZ	1.00	1027																										
PBS	1.00	1029																X										
LCSS	1.00	1031																X										
SB73-9-10	1.00	1033																X										
SB73-9-10D	1.00	1035																X										
SB73-9-10S	1.00	1037																X										
CCV	1.00	1039																X										
CCB	1.00	1041																X										
SB73-9-10SD	1.00	1043																X										
SB73-9-10L	5.00	1046																X										
SS51-0-1	1.00	1047																X										
SS51D-0-1	1.00	1049																X										
SS90-0-1	1.00	1051																X										
SB90-2-3	1.00	1053																X										
SS70-0-1	1.00	1055																X										
SB70-1-2	1.00	1057																X										
SS69-0-1	1.00	1059																X										
SB69-2-3	1.00	1101																X										
CCV	1.00	1102																X										
CCB	1.00	1104																X										
SB64-1-2	1.00	1106																X										
SB65-1-2	1.00	1108																X										
SS64-0-1	1.00	1110																X										
SS66-0-1	1.00	1112																X										
SS65-0-1	1.00	1114																X										
SS82-0-1	1.00	1116																X										
SS82D-0-1	1.00	1118																X										
SB82-2-3	1.00	1120																X										
SB82D-2-3	1.00	1122																X										
CCV	1.00	1132																X										
CCB	1.00	1134																X										

3. Quarterly Verification of Instrument Performance

a. Instrument Detection Limits (Quarterly)
[Form X - IN]

b. ICP Interelement Correction Factors (Annually)
[Form XI (Part 1) - IN]

c. ICP Interelement Correction Factors (Annually)
[Form XI (Part 2) - IN]

d. ICP Linear Ranges (Quarterly)
[Form XII - IN]

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: 1005157

ICP ID Number: _____ Date: 4/10/2010

Flame AA ID Number: V4

Furnace AA ID Number: _____

Analyte	Wave-length (nm)	Back-ground	CRQL ug/L	MDL ug/L	M
Mercury	253.70		0.20	0.091	CV

Comments: _____

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

ICP ID Number: P4 Date: 4/15/2010

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRQL ug/L	MDL ug/L	M
Aluminum	308.22		200	31.0	P
Antimony	206.84		10	2.0	P
Arsenic	189.04		10	2.5	P
Barium	493.41		200	15.2	P
Beryllium	313.04		5	0.73	P
Cadmium	226.50		5.0	0.64	P
Calcium	317.93		5000	122	P
Chromium	267.72		10	0.75	P
Cobalt	228.62		5	1.5	P
Copper	324.70		5	1.0	P
Iron	271.44		100	12.2	P
Lead	220.35		3	1.6	P
Magnesium	279.08		5000	7.8	P
Manganese	257.61		10	0.17	P
Nickel	231.60		5	0.63	P
Potassium	766.49		5000	30.9	P
Selenium	196.03		5	2.1	P
Silver	328.07		5	0.64	P
Sodium	330.23		5000	156	P
Thallium	190.86		10	3.0	P
Vanadium	292.40		20	1.5	P
Zinc	206.20		20	4.2	P

Comments:

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: 1005157

ICP ID Number: _____ Date: 4/10/2010

Flame AA ID Number: V4

Furnace AA ID Number: _____

Analyte	Wave-length (nm)	Back-ground	CRQL mg/Kg	MDL mg/Kg	M
Mercury	253.70		0.03	0.0070	CV

Comments: _____

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

ICP ID Number: P4 Date: 4/15/2010

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRQL mg/Kg	MDL mg/Kg	M
Aluminum	308.22		20.00	0.26	P
Antimony	206.84		1.00	0.26	P
Arsenic	189.04		1.00	0.42	P
Barium	493.41		20.00	0.07	P
Beryllium	313.04		0.50	0.03	P
Cadmium	226.50		0.50	0.06	P
Calcium	317.93		500.00	0.35	P
Chromium	267.72		1.00	0.12	P
Cobalt	228.62		0.50	0.24	P
Copper	324.70		0.50	0.07	P
Iron	271.44		10.00	4.10	P
Lead	220.35		0.30	0.19	P
Magnesium	279.08		500.00	0.76	P
Manganese	257.61		1.00	0.02	P
Nickel	231.60		0.50	0.11	P
Potassium	766.49		500.00	1.90	P
Selenium	196.03		0.50	0.23	P
Silver	328.07		0.50	0.04	P
Sodium	330.23		500.00	16.90	P
Thallium	190.86		1.00	0.18	P
Vanadium	292.40		2.00	0.07	P
Zinc	206.20		2.00	0.65	P

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

ICP ID Number: P4 Date: 4/15/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Ag
Aluminum	308.21	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.84	0.0000000	0.0000000	0.0000430	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.41	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000560	0.0000000	0.0000840	0.0000000	0.0000000
Calcium	317.93	0.0000000	0.0000000	0.0000000	0.0001550	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000390	0.0000000	0.0000000
Copper	324.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.44	0.0000000	0.0000000	0.0000000	-0.000904	0.0000000
Lead	220.35	0.0001750	0.0000000	0.0001440	0.0000000	0.0000000
Lead	220.35	-0.0001560	0.0000000	0.0000000	0.0000000	-0.0004960
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000270	0.0000000
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.02	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.02	0.0000000	0.0000000	-0.0004680	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.23	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0007960	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	-0.0002910	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

ICP ID Number: P4 Date: 4/15/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for: As	Ba	Be	Cd	Co
Aluminum	308.21	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.84	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.41	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.93	0.0052730	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0003220	0.0000000	0.0000000	-0.000280	0.0000000
Cobalt	228.62	0.0000000	0.0001680	0.0000000	0.0000000	0.0000000
Copper	324.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0703370
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0003730
Lead	220.35	0.0000000	0.0000000	-0.0002140	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.60	0.0005150	0.0000000	0.0000000	0.0000000	-0.0012010
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.02	-0.0003910	0.0000000	-0.0007140	-0.000134	0.0004890
Selenium	196.02	0.0000000	0.0000000	0.0001610	0.0000930	-0.0008840
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.23	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

ICP ID Number: P4 Date: 4/15/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Cu	Mn	Mo	Ni
Aluminum	308.21	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.84	0.0021050	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	-0.0030670	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.41	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0001080	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	-0.0001310	0.0000000	0.0000000
Calcium	317.93	0.0000000	0.0068740	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.44	0.0028440	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0001690	-0.0000920	0.0000000	-0.000603	0.0002400
Lead	220.35	0.0000000	0.0000000	0.0001170	-0.001218	0.0001630
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.02	-0.0002310	-0.0001110	0.0000000	0.0000000	-0.0001570
Selenium	196.02	0.0000000	0.0000000	0.0004510	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.23	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	-0.0007390	0.0000000	0.0000000
Vanadium	292.40	-0.0016760	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	-0.0011640	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

ICP ID Number: P4 Date: 4/15/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for: Pb	Sb	Se	Sn	Tl
Aluminum	308.21	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.84	0.0000000	0.0000000	0.0000000	-0.004391	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.41	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	-0.0000500	-0.0001990	-0.0000650	-0.000243	-0.0000490
Calcium	317.93	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	-0.000264	0.0003640
Lead	220.35	0.0000000	-0.0001490	0.0000000	-0.000187	-0.0011190
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.02	-0.0002150	-0.0005640	0.0000000	-0.000481	-0.0003860
Selenium	196.02	0.0000000	0.0000000	0.0000000	0.0001400	-0.0004280
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.23	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

ICP ID Number: P4 Date: 4/15/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for: V	Zn			
Aluminum	308.21	0.0168710	0.0000000			
Antimony	206.84	-0.0021410	0.0000000			
Arsenic	189.04	0.0000000	0.0000000			
Barium	493.41	0.0000000	0.0000000			
Beryllium	313.04	0.0052620	0.0000000			
Cadmium	226.50	0.0000000	-0.0000580			
Calcium	317.93	0.0000000	0.0000000			
Chromium	267.72	-0.0003410	0.0000000			
Cobalt	228.62	0.0000000	0.0000000			
Copper	324.70	0.0000000	0.0000000			
Iron	271.44	0.0249430	0.0000000			
Lead	220.35	0.0000000	0.0000000			
Lead	220.35	-0.0001610	0.0000000			
Magnesium	279.08	0.0000000	0.0000000			
Manganese	257.61	0.0000000	0.0000000			
Nickel	231.60	0.0000000	0.0000000			
Potassium	766.49	0.0000000	0.0000000			
Selenium	196.02	0.0003030	-0.0001740			
Selenium	196.02	0.0000000	0.0000000			
Silver	328.07	0.0000000	0.0000000			
Sodium	330.23	0.0000000	0.0376950			
Thallium	190.86	-0.0004340	0.0000000			
Vanadium	292.40	0.0000000	0.0000000			
Zinc	206.20	0.0000000	0.0000000			

Comments:

SW846 - METALS

12

ICP LINEAR RANGES (QUARTERLY)

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

ICP ID Number: P4 Date: 4/15/2010

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Aluminum	15.00	400000.0	P
Antimony	15.00	40000.0	P
Arsenic	15.00	20000.0	P
Barium	15.00	50000.0	P
Beryllium	15.00	5000.0	P
Cadmium	15.00	10000.0	P
Calcium	15.00	700000.0	P
Chromium	15.00	60000.0	P
Cobalt	15.00	50000.0	P
Copper	15.00	30000.0	P
Iron	15.00	700000.0	P
Lead	15.00	60000.0	P
Magnesium	15.00	300000.0	P
Manganese	15.00	50000.0	P
Nickel	15.00	60000.0	P
Potassium	15.00	100000.0	P
Selenium	15.00	40000.0	P
Silver	15.00	1000.0	P
Sodium	15.00	700000.0	P
Thallium	15.00	60000.0	P
Vanadium	15.00	50000.0	P
Zinc	15.00	60000.0	P

Comments:

SW846 - METALS

12

ICP LINEAR RANGES (QUARTERLY)

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: 1005157

ICP ID Number: P4 Date: 4/15/2010

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Aluminum	15.00	400000.0	P
Antimony	15.00	40000.0	P
Arsenic	15.00	20000.0	P
Barium	15.00	50000.0	P
Beryllium	15.00	5000.0	P
Cadmium	15.00	10000.0	P
Calcium	15.00	700000.0	P
Chromium	15.00	60000.0	P
Cobalt	15.00	50000.0	P
Copper	15.00	30000.0	P
Iron	15.00	700000.0	P
Lead	15.00	60000.0	P
Magnesium	15.00	300000.0	P
Manganese	15.00	50000.0	P
Nickel	15.00	60000.0	P
Potassium	15.00	100000.0	P
Selenium	15.00	40000.0	P
Silver	15.00	1000.0	P
Sodium	15.00	700000.0	P
Thallium	15.00	60000.0	P
Vanadium	15.00	50000.0	P
Zinc	15.00	60000.0	P

Comments: _____

4. Raw Data

For each reported value, the laboratory shall include in the data package all raw data used to obtain that value. This applies to all required QA/QC measurements, instrument standardization, as well as all sample analysis results. This does not apply to the Quarterly Verification of Instrument Parameters submitted as a part of each data package.

The order of the raw data in the data package shall be: ICP, Flame AA (if used), Furnace AA (if used), mercury, and cyanide (if a target analyte).

Raw data shall be labeled using EPA sample number convention in order to identify:

- calibration standards, including source and preparation date
- initial and continuing calibration blanks and preparation blanks
- initial and continuing calibration verification standards, interference check samples, ICP serial dilution samples, CRDL standard for ICP and AA (if used), Laboratory Control Sample, and post digestion spike
- diluted and undiluted samples (by client ID number) and all weights, dilutions, and volumes used to obtain the reported values
- duplicates
- spikes
- instrument used, including all data voided or data not used and a brief written explanation
- all information for furnace analysis (if used)
- date and time of each analysis (instrument run logs can be submitted if they contain this information
- integration time for AA analyses (if used)

Daily Instrument Profile

Nebulizer pressure: 32
Peak position: -0.013056
Peak intensity: 1029.25
Vernier position: 450

Maintenance: NONE

Printed: 6/14/2010 10:47:14 AM

Method(s) (circle one): ILM04.1 ILM05.4 (6010B) 200.7 Other _____

Operator(s): JKL **Date/Time** 06/10/0930 to 06/10/0425

↑	Specified element(s) fail(s) high
↓	Specified element(s) fail(s) low
RR	Re-run sample(s) neat
RR #X	Re-run at a #-fold dilution
#X	Sample run at a #-fold dilution (aliquot of sample diluted with acidified water)
L	Matrix = leachate
W	Matrix = water
S	Matrix = solid
B	Matrix = biological tissue

SDG	Matrix	Comments
1005064	W	TAL
1005078	W	TAL
1005132	S	TAL
1005133	S	TAL
1005157	S	TAL
1005177	S	Sn

Complete

ICP Run Log (P4)

File Name: P40611A

Sample ID	Client ID	Sample Type	DF	Date	Time	SDG	Action Needed
CAL1	S0 BLANK	CALIB STD	1	06/11/10	09:30:14		
CAL2	S RSTD-1	CALIB STD	1	06/11/10	09:37:23		
CAL4	S RSTD-3	CALIB STD	1	06/11/10	09:44:32		
CAL3	S RSTD-2	CALIB STD	1	06/11/10	09:50:08		
CAL5	S RSTD-4	CALIB STD	1	06/11/10	09:56:31		
ICV1	ICV1	ICV	1	06/11/10	10:02:07		
ICB1	ICB	ICB	1	06/11/10	10:09:15		
CRL1	CRI	CRI	1	06/11/10	10:16:24		
IFA1	ICSA	ICS	1	06/11/10	10:23:32		
IFB1	ICSAB	ICS	1	06/11/10	10:30:41		
CCV1	CCV	CCV	1	06/11/10	10:37:49		
CCB1	CCB	CCB	1	06/11/10	10:44:59		
LRS	LRS	LRS	1	06/11/10	10:55:21		
1005064-14	SDZ-WN03	SAMPLE	15	06/11/10	11:02:29	1005064	

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Reviewed By: Bob Mercer Date: 06-14-2010

ICP Run Log (P4)

File Name: P40611A

Sample ID	Client ID	Sample Type	DF	Date	Time	SDG	Action Needed
1005064-15	SDZ-WN30	SAMPLE	15	06/11/10	11:09:38	1005064	
1005064-17	SDZ-WN10	SAMPLE	15	06/11/10	11:16:46	1005064	
1005064-20	SDZ-WN18	SAMPLE	15	06/11/10	11:23:54	1005064	
1005078-01	SDZ-SW03	SAMPLE	15	06/11/10	11:31:02	1005078	
0051443-DUP1	SDZ-SW03D	SAMPLE	15	06/11/10	11:38:10	1005078	
SRD1	SDZ-SW03L	SAMPLE	75	06/11/10	11:45:18	1005078	
1005078-02	SDZ-WN12	SAMPLE	15	06/11/10	11:52:26	1005078	
1005078-03	SDZ-WN15	SAMPLE	15	06/11/10	11:59:35	1005078	Na↑ 20X
CCV2	CCV	CCV	1	06/11/10	12:06:43		
CCB2	CCB	CCB	1	06/11/10	12:13:53		
1005078-04	SDZ-WN13	SAMPLE	15	06/11/10	12:21:02	1005078	
1005078-07	SDZ-WN14	SAMPLE	15	06/11/10	12:31:06	1005078	
1005078-08	SDZ-WN11	SAMPLE	15	06/11/10	12:38:14	1005078	
1005078-03	SDZ-WN15	SAMPLE	20	06/11/10	12:46:27	1005078	
CCV3	CCV	CCV	1	06/11/10	12:53:36		
CCB3	CCB	CCB	1	06/11/10	13:00:45		
0052619-BLK1	PBS	PBS	1	06/11/10	13:11:58	1005132	
0052619-BS1	LCSS	LCS	1	06/11/10	13:19:06	1005132	
1005132-01	SB85-1.5-2.5	SAMPLE	1	06/11/10	13:26:14	1005132	
0052619-DUP1	SB85-1.5-2.5D	SAMPLE	1	06/11/10	13:33:22	1005132	
0052619-MS1	SB85-1.5-2.5S	SAMPLE	1	06/11/10	13:40:30	1005132	
0052619-MSD1	SB85-1.5-2.5SD	SAMPLE	1	06/11/10	13:47:39	1005132	
SRD2	SB85-1.5-2.5L	SAMPLE	5	06/11/10	13:54:47	1005132	
0052619-PS1	SB85-1.5-2.5A	SAMPLE	1	06/11/10	14:01:55	1005132	
1005132-02	SB78-3.5-4.5	SAMPLE	1	06/11/10	14:09:03	1005132	
CCV4	CCV	CCV	1	06/11/10	14:16:12		
CCB4	CCB	CCB	1	06/11/10	14:23:22		
1005132-03	SB77-0-1	SAMPLE	1	06/11/10	14:30:31	1005132	
1005132-04	SB77-3.5-4.5	SAMPLE	1	06/11/10	14:37:39	1005132	
1005132-05	SB79-0-1	SAMPLE	1	06/11/10	14:44:47	1005132	
1005132-06	SB79-11-12	SAMPLE	1	06/11/10	14:51:56	1005132	
1005132-07	SB83-0-1	SAMPLE	1	06/11/10	14:59:04	1005132	

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Reviewed By: Bob Meiera Date: 06-14-2010

ICP Run Log (P4)

File Name: P40611A

Sample ID	Client ID	Sample Type	DF	Date	Time	SDG	Action Needed
1005132-08	SB83-6.5-7.5	SAMPLE	1	06/11/10	15:06:13	1005132	
1005132-09	SB62-0-1	SAMPLE	1	06/11/10	15:13:22	1005132	
1005132-10	SB74-0-1	SAMPLE	1	06/11/10	15:20:30	1005132	
1005132-11	SB86-0-1	SAMPLE	1	06/11/10	15:27:38	1005132	
1005132-12	SB86-3-4	SAMPLE	1	06/11/10	15:34:47	1005132	
CCV5	CCV	CCV	1	06/11/10	15:41:56		
CCB5	CCB	CCB	1	06/11/10	15:49:06		
1005132-13	SB86-0-1	SAMPLE	1	06/11/10	15:56:14	1005132	
1005132-14	SB86-6-7	SAMPLE	1	06/11/10	16:03:22	1005132	
1005132-15	SB81-0-1	SAMPLE	1	06/11/10	16:10:31	1005132	
1005132-16	SB81-5-6	SAMPLE	1	06/11/10	16:17:39	1005132	
1005132-17	SB71-0-1	SAMPLE	1	06/11/10	16:24:47	1005132	
1005132-18	SB71D-0-1	SAMPLE	1	06/11/10	16:31:55	1005132	
1005132-19	SB71-4-5	SAMPLE	1	06/11/10	16:39:03	1005132	
1005132-20	SB71D-4-5	SAMPLE	1	06/11/10	16:49:52	1005132	
0052615-BLK1	PBS	PBS	1	06/11/10	16:57:00	1005133	Pb, Sb ↑ RL
0052615-BS1	LCSS	LCS	1	06/11/10	17:04:09	1005133	
CCV6	CCV	CCV	1	06/11/10	17:11:18		
CCB6	CCB	CCB	1	06/11/10	17:18:27		
1005133-01	SS73-0-1	SAMPLE	1	06/11/10	17:25:36	1005133	
0052615-DUP1	SS73-0-1D	SAMPLE	1	06/11/10	17:32:45	1005133	
0052615-MS1	SS73-0-1S	SAMPLE	1	06/11/10	17:39:53	1005133	
0052615-MSD1	SS73-0-1SD	SAMPLE	1	06/11/10	17:47:02	1005133	
SRD3	SS73-0-1L	SAMPLE	5	06/11/10	17:54:10	1005133	
0052615-PS1	SS73-0-1A	SAMPLE	1	06/11/10	18:01:18	1005133	
1005133-02	SB74-4-5	SAMPLE	1	06/11/10	18:08:26	1005133	
1005133-03	SS75-0-1	SAMPLE	1	06/11/10	18:15:34	1005133	
1005133-04	SS75-3.5-4.5	SAMPLE	1	06/11/10	18:22:43	1005133	
1005133-05	SS63-0-1	SAMPLE	1	06/11/10	18:29:51	1005133	
CCV7	CCV	CCV	1	06/11/10	18:37:00		
CCB7	CCB	CCB	1	06/11/10	18:44:09		
1005133-06	SS63-5.5-6.5	SAMPLE	1	06/11/10	18:51:18	1005133	

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Reviewed By: Bob Meiser Date: 06-14-2010

ICP Run Log (P4)

File Name: P40611A

Sample ID	Client ID	Sample Type	DF	Date	Time	SDG	Action Needed
1005133-07	SS61-0-1	SAMPLE	1	06/11/10	18:58:27	1005133	
1005133-08	SS61-D-0-1	SAMPLE	1	06/11/10	19:05:35	1005133	
1005133-09	SB61-6-7	SAMPLE	1	06/11/10	19:12:43	1005133	
1005133-10	SB61D-6-7	SAMPLE	1	06/11/10	19:19:52	1005133	
1005133-11	SS67-0-1	SAMPLE	1	06/11/10	19:29:48	1005133	
1005133-12	SS72-0-1	SAMPLE	1	06/11/10	19:36:56	1005133	
1005133-13	SB72-2-3	SAMPLE	1	06/11/10	19:44:05	1005133	
1005133-14	SS88-0-1	SAMPLE	1	06/11/10	19:51:14	1005133	
1005133-15	SB88-2.5-3.5	SAMPLE	1	06/11/10	19:58:22	1005133	
CCV8	CCV1	CCV	1	06/11/10	20:05:30		
CCB8	CCB1	CCB	1	06/11/10	20:12:40		
1005133-16	SS76-0-1	SAMPLE	1	06/11/10	20:19:48	1005133	
1005133-17	SB76-6-7	SAMPLE	1	06/11/10	20:26:57	1005133	
1005133-18	SS87-0-1	SAMPLE	1	06/11/10	20:34:05	1005133	
1005133-19	SB87-0-1	SAMPLE	1	06/11/10	20:41:14	1005133	
1005133-20	SS68-0-1	SAMPLE	1	06/11/10	20:48:22	1005133	
0052623-BLK1	PBS	PBS	1	06/11/10	20:55:31	1005157	
0052623-BS1	LCSS	LCS	1	06/11/10	21:02:39	1005157	
1005157-01	S573-9-10	SAMPLE	1	06/11/10	21:09:48	1005157	
0052623-DUP1	S573-9-10D	SAMPLE	1	06/11/10	21:16:56	1005157	
0052623-MS1	S573-9-10S	SAMPLE	1	06/11/10	21:24:05	1005157	
CCV9	CCV1	CCV	1	06/11/10	21:31:14		
CCB9	CCB1	CCB	1	06/11/10	21:38:23		
0052623-MSD1	S573-9-10SD	SAMPLE	1	06/11/10	21:45:31	1005157	
SRD4	S573-9-10L	SAMPLE	5	06/11/10	21:52:40	1005157	
0052623-PS1	S573-9-10A	SAMPLE	1	06/11/10	21:59:49	1005157	
1005157-02	SS51-0-1	SAMPLE	1	06/11/10	22:06:57	1005157	
1005157-03	SS51D-0-1	SAMPLE	1	06/11/10	22:14:06	1005157	
1005157-04	SS90-0-1	SAMPLE	1	06/11/10	22:21:15	1005157	
1005157-05	SB90-0-1	SAMPLE	1	06/11/10	22:28:24	1005157	
1005157-06	SS70-0-1	SAMPLE	1	06/11/10	22:35:32	1005157	
1005157-07	SS70-1-2	SAMPLE	1	06/11/10	22:42:41	1005157	

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Reviewed By: Bob McGinnis Date: 06-14-2010

ICP Run Log (P4)

File Name: P40611A

Sample ID	Client ID	Sample Type	DF	Date	Time	SDG	Action Needed
1005157-08	SS69-0-1	SAMPLE	1	06/11/10	22:49:50	1005157	
CCVA	CCV1	CCV	1	06/11/10	22:56:59		
CCBA	CCB1	CCB	1	06/11/10	23:04:08		
1005157-09	SB69-2-3	SAMPLE	1	06/11/10	23:11:17	1005157	
1005157-10	SB64-1-2	SAMPLE	1	06/11/10	23:18:26	1005157	
1005157-11	SB65-1-2	SAMPLE	1	06/11/10	23:25:34	1005157	
1005157-12	SB64-0-1	SAMPLE	1	06/11/10	23:32:43	1005157	
1005157-13	SB66-0-1	SAMPLE	1	06/11/10	23:39:52	1005157	
1005157-14	SB65-0-1	SAMPLE	1	06/11/10	23:47:01	1005157	
1005157-15	SS82-0-1	SAMPLE	1	06/11/10	23:54:10	1005157	
1005157-16	SS82D-0-1	SAMPLE	1	06/12/10	00:01:18	1005157	
1005157-17	SS82-2-3	SAMPLE	1	06/12/10	00:08:28	1005157	
1005157-18	SS82D-2-3	SAMPLE	1	06/12/10	00:15:37	1005157	
CCVB	CCV1	CCV	1	06/12/10	00:22:46		
CCBB	CCB1	CCB	1	06/12/10	00:29:55		
0052615-BLK1	PBS	PBS	1	06/12/10	00:37:04	1005133	
0052628-BLK1	PBS	PBS	1	06/12/10	00:44:13	1005177	
0052628-BS1	LCSS	LCS	1	06/12/10	00:51:21	1005177	
1005177-01	59SB13-00	SAMPLE	1	06/12/10	00:58:30	1005177	
0052628-DUP1	59SB13-00D	SAMPLE	1	06/12/10	01:05:39	1005177	
0052628-MS1	59SB13-00S	SAMPLE	1	06/12/10	01:12:48	1005177	
0052628-MSD1	59SB13-00SD	SAMPLE	1	06/12/10	01:19:58	1005177	
SRD5	59SB13-00L	SAMPLE	5	06/12/10	01:27:07	1005177	
0052628-PS1	59SB13-00A	SAMPLE	1	06/12/10	01:34:15	1005177	
1005177-02	59SB18-00	SAMPLE	1	06/12/10	01:41:25	1005177	
CCVC	CCV2	CCV	1	06/12/10	01:48:34		
CCBC	CCB2	CCB	1	06/12/10	01:55:43		
1005177-03	59SB18-01	SAMPLE	1	06/12/10	02:02:52	1005177	
1005177-04	59SB18-02	SAMPLE	1	06/12/10	02:10:02	1005177	
1005177-05	59SB19-01	SAMPLE	1	06/12/10	02:17:11	1005177	
1005177-06	59SB19-05	SAMPLE	1	06/12/10	02:24:20	1005177	
1005177-07	59SB20-00	SAMPLE	1	06/12/10	02:31:29	1005177	

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Reviewed By: Bob Manera Date: 06-14-2010

ICP Run Log (P4)

File Name: P40611A

Sample ID	Client ID	Sample Type	DF	Date	Time	SDG	Action Needed
1005177-08	59SB20-01	SAMPLE	1	06/12/10	02:38:39	1005177	
1005177-09	59SB20-05	SAMPLE	1	06/12/10	02:45:48	1005177	
1005177-10	59SB21-00	SAMPLE	1	06/12/10	02:52:57	1005177	
1005177-11	59SB21-01	SAMPLE	1	06/12/10	03:00:06	1005177	
1005177-12	59SB21-05	SAMPLE	1	06/12/10	03:07:15	1005177	
CCVD	CCV2	CCV	1	06/12/10	03:14:24		
CCBD	CCB2	CCB	1	06/12/10	03:21:33		
1005177-13	59SB22-00	SAMPLE	1	06/12/10	03:28:43	1005177	
1005177-14	59SB22-01	SAMPLE	1	06/12/10	03:35:52	1005177	
1005177-15	59SB22-05	SAMPLE	1	06/12/10	03:43:01	1005177	
1005177-16	59SB21-01D	SAMPLE	1	06/12/10	03:50:11	1005177	
1005177-17	59SB23-00	SAMPLE	1	06/12/10	03:57:20	1005177	
1005177-18	59SB23-01	SAMPLE	1	06/12/10	04:04:29	1005177	
1005177-19	59SB23-05	SAMPLE	1	06/12/10	04:11:39	1005177	
CCVE	CCV2	CCV	1	06/12/10	04:18:48		
CCBE	CCB2	CCB	1	06/12/10	04:25:57		

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Reviewed By: Bob Wrieden Date: 06-14-2010

Daily Standards/QC Preparation Log for Trace ICP (P3 & P4) 1 of 3 CompuChem a division of Liberty Analytical Corp. Worksheet 1 P(6) 2

STANDARDS and REAGENTS TRACEABILITY

Seq. File Name: P40611, P40611A

	Ref #*	Manufacturer	Lot #	Expiration Date
HNO_3 [Baker Instra-analyzed Trace-Metals grade]	DE19001	JT Baker	510027	05.19.15
HCl [Baker Instra-analyzed Trace-Metals grade]	DE20028	Caledon	72420	05.20.15
SM-770-027 multi-element standard mix (RSTD-1)	9G08002	High Purity	0916328	06/15/10
SM-770-028 part A multi-element standard mix (RSTD-2A)	9J22002	High Purity	0928011	10/12/2010
SM-770-028 part B multi-element standard mix (RSTD-2B)	9J22001	High Purity	0928012	10/12/2010
SM-770-029 part A multi-element standard mix (RSTD-3A)	0D14008	High Purity	0925430	04/09/11
SM-770-029 part B multi-element standard mix (RSTD-3B)	9G08005	High Purity	0906204	10/16/10
SM-770-030 multi-element standard mix (RSTD-4)	9G08001	High Purity	0916327	06/15/10
SPEX-R multi-element standard mix	0A04007	High Purity	0916301	06/15/10
ICP-AES-CRQL-R multi-element standard mix	9I04002	High Purity	0923808	08/28/10
ICV1 multi-element standard mix	0B04003	EPA	0307	02/04/11
ICSA multi-element standard mix	0B04002	EPA	1206	02/04/11
ICSB multi-element standard mix	0B04001	EPA	0203	02/04/11
SM-770-031 multi-element standard mix (PDS-R)	9I22001	High Purity	0926418	09/17/10
ARSENIC (As) 1,000 PPM single-element standard	9F17001	High Purity	0911221	12/05/10
Internal Mix	0B04004	High Purity	0934101	12/10/10
SM-770-040 multi-element CCV mix (Soln A)	0E03001	High Purity	1010910	04/21/11
SM-770-040 multi-element CCV mix (Soln B)	0E03001	High Purity	1010911	04/21/11
SM-770-042 (LRS 6010B)	0B23007	High Purity	1004021	02/10/11

Multi-Element Stock Standard Concentrations:

Stock Standard	Analyte Concentrations (µg/mL)
RSTD-1 multi-element standard mix	Cd:1,000 Cr:1,000 Cu:1,000 Pb:1,000 Ni:1,000 Se:1,000 Ag:100 Tl:1,000 Zn:1,000
RSTD-2A/2B multi-element standard mix	Part A: As:1,000 Ba:1,000 Be:1,000 Co:1,000 Mn:1,000 Mo:1,000 V:1,000 Part B: Fe:25,000
RSTD-3A/3B multi-element standard mix	Part A: Ca:10,000 Mg:10,000 K:10,000 Na:10,000 Part B: Al:10,000
RSTD-4 multi-element standard mix	Sb:1,000 Bi:1,000 B:1,000 Sn:1,000 Ti:1,000
SPEX-R multi-element standard mix	Mo:1,000 Sn:1,000 Bi:1,000 Ti:1,000 B:1,000
ICP-AES-CRQL-R multi-element standard mix	Ag:10 Be:5 Cd:5 Co:50 Cr:10 Cu:25 Mn:15 Ni:40 Tl:25 V:50 Zn:60 Pb:10 Se:35 As:10 Sb:60
PDS-R multi-element standard mix	Al:400 Ba:400 Ag:20 Be:10 Cd:10 Co:100 Cr:20 Cu:50 Fe:200 Mn:30 Ni:80 Tl:20 V:100 Zn:40 Pb:6 Se:10 As:20 Sb:120
Internal Mix	Li:50,000 Y:250
LRS 6010B multi-element standard mix	Al: 20 Sb:1 As:1 Ba:20 Be:0.5 Bi:2 B:2 Cd:0.5 Ca:500 Cr:1 Co:0.5 Cu:0.5 Fe:10 Pb:0.3 Mg:500 Mn:1 Mo:2 Ni:0.5 K:500 Se:0.5 Ti:0.5 V:2 Zn:2

Entered By: Sherry J. McMillen

Reviewed By: Bob McEwen

Date: 06-14-2010

*Ref# = Logbook ID, Page number, and item number from Materials Receipt Log

**High Purity is abbreviated "HP" on reporting forms

Daily Standards/QC Preparation Log for Trace ICP (P3 & P4) 2 of 3 CompuChem a division of Liberty Analytical Corp. **Worksheet 1 P(6) 2**

Standard Lot Number*	LIMS ID Number	Preparation Instructions	Resultant Analyte Conc. (ug/L)
S0/ICB/CCB- 06.09.10 - SGM	0F09006	Place in a 500 mL volumetric flask: 100 mL deionized water, 20 mL concentrated HNO_3, and 100 mL concentrated HCl. Bring up to volume with deionized water. Transfer to a 2L Teflon bottle and add 1.5L deionized water. Final volume 2 L. Prepare as needed.	N/A
RSTD-1- 06.09.10-JCF	0F09001	In a 200 mL volumetric flask, combine 150 mL deionized water, 2 mL concentrated HNO_3, and 10 mL concentrated HCl. Pipet 0.4 mL RSTD-1 into flask. Bring up to 200 mL volume with deionized water. Prepare as needed.	Cd:2,000 Cr:2,000 Cu:2,000 Pb:2,000 Ni:2,000 Se:2,000 Ag:200 Tl:2,000 Zn:2,000
RSTD-2- 06.09.10-JCF	0F09002	In a 200 mL volumetric flask, combine 150 mL deionized water, 2 mL concentrated HNO_3, and 10 mL concentrated HCl. Pipet 0.4 mL each RSTD-2A and RSTD-2B into flask. Bring up to 200 mL volume with deionized water. Prepare as needed.	As:2,000 Ba:2,000 Be:2,000 Co:2,000 Fe:50,000 Mn:2,000 Mo:2,000 V:2,000
RSTD-3- 06.09.10-JCF	0F09003	In a 200 mL volumetric flask, combine 150 mL deionized water, 2 mL concentrated HNO_3, and 10 mL concentrated HCl. Pipet 2.0 mL each RSTD-3A and RSTD-3B into flask. Bring up to 200 mL volume with deionized water. Prepare as needed.	K:100,000 Na:100,000 Al:100,000 Mg:100,000 Ca:100,000
RSTD-4- 06.09.10-JCF	0F09004	In a 200 mL volumetric flask, combine 150 mL deionized water, 2 mL concentrated HNO_3, and 10 mL concentrated HCl. Pipet 0.4 mL RSTD-4 into flask. Bring up to 200 mL volume with deionized water. Prepare as needed.	Sn:2,000 Bi:2,000 Tl:2,000 Sb:2,000 B:2,000
ICV1- 06.09.10 - SGM	0F09010	Place in a 500 mL volumetric flask: 300 mL deionized water, 5 mL concentrated HNO_3, and 25 mL concentrated HCl. Pipet 50.0 mL ICV1 into flask and 0.55 mL Compuchem SPEX-R. Bring up to volume with deionized water. Transfer to a 500mL Teflon bottle. Final volume 500 mL. Prepare as needed.	Al:2,521 Ba:497 K:10,021 Mg:6,074 Na:10,097 Ca:10,026 Ag:501 Be:495 Cd:496 Co:499 Cr:490 Cu:492 Fe:5,082 Mn:499 Ni:503 Tl:1,028 V:501 Zn:1,025 Pb:1002 Se:1,029 As:999 Sb:994 Mo:1,100 Sn:1,100 Bi:1,100 Ti:1,100 B:1,100
CCV/CVS1- 06.10.10-SGM	0F10004	Place in a 500-mL volumetric flask: 300 mL deionized water, 20 mL concentrated HNO_3, and 100 mL concentrated HCl. Add 50 ml of SM-770-40 Soln A and Soln B. Bring up to volume with deionized water. Transfer to a 2000mL Teflon bottle and add 1.5 L of deionized water. Prepare as needed.	Al:50,000 Ba:1,000 K:50,000 Mg:50,000 Na:50,000 Ca:50,000 Ag:100 Be:1,000 Cd:1,000 Co:1,000 Cr:1,000 Cu:1,000 Fe:25,000 Mn:1,000 Ni:1,000 Tl:1,000 V:1,000 Zn:1,100 Pb:1,000 Se:1,000 As:1,000 Mo:1,000 Sn:1,000 Bi:1,000 Ti:1,000 Sb:1,000 B:1,000
LRS- 04.26.10-JCF	0D25008	In a 500 mL volumetric flask, combine 200 mL deionized water, 5 mL concentrated HNO_3 and 25 mL concentrated HCl. Pipet 5.0mL of LRS 6010B. Bring up to volume with deionized water and transfer to a 500mL Teflon bottle. Final volume 500 mL. Prepare as needed.	Al:200 Ba:200 K:5,000 Mg:5,000 Na:5,000 Ca:5,000 Ag:5 Be:5 Cd:5 Co:10 Cr:10 Cu:5 Fe:100 Mn:10 Ni:5 Tl:10 V:20 Zn:20 Pb:3 Se:5 As:10 Mo:20 Sn:20 Bi:20 Tl:20 Sb:10 B:20

Standard Solutions Prepared By: SGM / JCF

Entered By: [signature] McDonnell

Reviewed By: Bob Meyer

Date: 06-14-2010

*Standard Lot Number consists of standard ID, date prepared, and initials of preparer.

Daily Standards/QC Preparation Log for Trace ICP (P3 & P4) 3 of 3 CompuChem a division of Liberty Analytical Corp. **Worksheet 1 P(6) 2**

Standard Lot Number*	LIMS ID Number	Preparation instructions	Resultant Analyte Conc. (ug/L)
As- 05.13.10-JCF	OE1300L	In a 100 mL volumetric flask, combine 50 mL deionized water, 1 mL concentrated HNO_3, 5 mL concentrated HCl, and 0.1 mL 1000-ppm As standard. Bring to final 100 mL volume	As:1,000
ICSA- 06.09.10-SGM	OF09008	In a 500-mL volumetric flask, combine 350 mL deionized water, 5 mL concentrated HNO_3, and 25 mL concentrated HCl. Pipet 50.0 mL ICSA into flask. Bring up to volume with deionized water and transfer to a 500mL Teflon bottle. Final volume 500 mL.	Al:244,100 Ba:2 Ca:234,900 Co:4 Cr:43 Cu:23 Fe:95,600 Mg:247,500 Mn:19 Ni:21 Zn:28 Pb:10
ICSAB- 06.09.10-SGM	OF09009	In a 500-mL volumetric flask, combine 350 mL deionized water, 5 mL concentrated HNO_3, and 25 mL concentrated HCl. Pipet 50.0 mL ICSA and 50.0 mL ICSB into flask. Add 0.5 mL Compuchem SPEX-R. Bring up to volume with deionized water and transfer to a 500mL Teflon bottle. Final volume 500 mL.	Ag:206 Al:241,100 Ba:495 Be:475 Ca:231,100 Cd:940 Co:461 Cr:511 Cu:548 Fe:94,800 Mg:251,100 Mn:502 Ni:984 Tl:103 V:494 Zn:1028 Pb:61 Se:53 Sb:589 As:101 Sn:1,000 Bi:1,000 Mo:1,000 Tl:1,000 B:1,000
EPA-CRI- 06.03.10-JCF	OF03019	In a 500 mL volumetric flask, combine 300 mL deionized water, 5 mL concentrated HNO_3, and 25 mL concentrated HCl. Pipet 0.50 mL ICP-AES-CRQL-R and 25 µL Compuchem SPEX-R into flask. Bring up to volume with deionized water and transfer to a 500mL Teflon bottle. Final volume 500 mL. Prepare as needed.	Ag:10 Be:5 Cd:5 Co:50 Cr:10 Cu:25 Mn:15 Ni:40 Tl:25 V:50 Zn:60 Pb:10 Se:35 As:10 Sb:60 Sn:50 B:50 Mo:50 Bi:50 Tl:50
P3RINSE- 06.09.10-JCF	OF09005	In a 10 L container, combine 8 L deionized water and 400 mL concentrated HNO_3 Fill with deionized water. Final volume 10 L.	N/A
P4RINSE- 06.09.10-JCF	OF09007	In a 10 L container, combine 8 L deionized water and 400 mL concentrated HNO_3 Fill with deionized water. Final volume 10 L.	N/A
P5RINSE- NA	NA	In a 10 L container, combine 8 L deionized water and 400 mL concentrated HNO_3 Fill with deionized water. Final volume 10 L.	N/A
P3INTSTD- 06.10.10-SGM	OF10002	In a 10 L container, combine 8 L deionized water, 400 mL concentrated HNO_3, and 200 mL Internal Mix. Fill with deionized water. Final volume 10 L.	Li:1,000,000 Y:5,000
P4INTSTD- 05.11.10-JCF	OE11004	In a 10 L container, combine 8 L deionized water, 400 mL concentrated HNO_3, and 200 mL Internal Mix. Fill with deionized water. Final volume 10 L.	Li:1,000,000 Y:5,000
P5INTSTD- NA	NA	In a 10 L container, combine 8 L deionized water, 400 mL concentrated HNO_3, and 200 mL Internal Mix. Fill with deionized water. Final volume 10 L.	Li:1,000,000 Y:5,000

Standard Solutions Prepared By: SGM/JCF

Entered By: [signature]

Reviewed By: Bob Medlock

Date: 06-14-2010

*Standard Lot Number consists of standard ID, date prepared, and initials of preparer.

METHOD: ALT-P4Q2 STANDARD: S0 BLANK
RUN TIME: 06/11/10 09:30:14

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
AVGE	-.00400	.23509	.04440	.07926	.03026	.10241	.06948
SDEV	.00100	.00429	.00020	.00109	.00066	.00133	.00071
%RSD	25.000	1.8243	.44867	1.3752	2.1737	1.2962	1.0146
#1	-.00500	.23382	.04461	.07801	.03055	.10285	.06966
#2	-.00400	.23157	.04438	.07974	.02951	.10092	.06871
#3	-.00300	.23987	.04421	.08003	.03073	.10346	.07008

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
AVGE	-.00084	.66863	-.00225	.05294	.00197	.00037	.00050
SDEV	.00260	.03043	.00295	.00893	.00407	.00034	.00256
%RSD	311.15	4.5517	131.46	16.864	206.20	91.512	509.92
#1	.00088	.69097	-.00022	.06307	.00491	.00066	.00044
#2	-.00383	.63397	-.00563	.04956	-.00267	.00000	-.00203
#3	.00044	.68097	-.00088	.04620	.00367	.00044	.00310

ELEM	NI2316	TL1908	V_2924	ZN2062	SB2068	AS1890	22031
AVGE	-.00134	-.01575	.00074	-.00031	.00911	-.02218	.01997
SDEV	.00202	.00552	.00078	.00111	.00872	.02392	.03029
%RSD	150.30	35.081	105.57	362.29	95.711	107.85	151.69
#1	-.00132	-.01297	.00066	.00044	.01319	-.00747	.02945
#2	-.00338	-.01216	.00000	-.00158	-.00090	-.04978	.04438
#3	.00066	-.02211	.00155	.00022	.01503	-.00929	-.01393

ELEM	22032	19601	19602	SN1899	BI2230	MO2020	TI3349
AVGE	-.01319	-.05721	.04386	-.00164	.00179	.00132	-.01110
SDEV	.01100	.01813	.03818	.01240	.00180	.00212	.00931
%RSD	83.412	31.698	87.054	756.18	100.35	160.95	83.834
#1	-.00418	-.05011	.06637	.00022	.00110	.00374	-.00549
#2	-.02545	-.04370	-.00023	-.01487	.00383	-.00023	-.02185
#3	-.00995	-.07782	.06544	.00973	.00044	.00044	-.00597

METHOD: ALT-P4Q2 STANDARD: S RSTD-1
RUN TIME: 06/11/10 09:37:23

ELEM	AG3280	CD2265	CR2677	CU3247	NI2316	TL1908	ZN2062
AVGE	5.8370	20.316	4.5395	124.45	7.4297	6.2437	2.0181
SDEV	.1091	.152	.0940	1.13	.0693	.0539	.0410
%RSD	1.8694	.74975	2.0711	.90580	.93289	.86379	2.0331
#1	5.7187	20.308	4.5257	123.35	7.4357	6.2750	1.9912
#2	5.8587	20.168	4.4531	124.38	7.3576	6.1815	1.9976
#3	5.9337	20.472	4.6396	125.60	7.4958	6.2747	2.0653

ELEM	22031	22032	19601	19602
AVGE	33.251	11.956	8.6256	16.821
SDEV	.302	.155	.0915	.264
%RSD	.90784	1.2958	1.0602	1.5681
#1	33.307	11.992	8.6895	16.988
#2	32.924	11.786	8.5208	16.517
#3	33.520	12.090	8.6665	16.958

METHOD: ALT-P4Q2 STANDARD: S RSTD-3
RUN TIME: 06/11/10 09:44:32

ELEM	AL3082	CA3179	K_7664	MG2790	NA3302
AVGE	60.854	76.864	411.99	59.172	3.8864
SDEV	.537	.735	4.64	.731	.0361
%RSD	.88292	.95669	1.1258	1.2354	.92804
#1	61.200	77.222	415.18	59.657	3.9111
#2	60.235	76.018	406.67	58.331	3.8450
#3	61.126	77.352	414.11	59.527	3.9032

METHOD: ALT-P4Q2 STANDARD: S RSTD-2
RUN TIME: 06/11/10 09:50:08

ELEM	BA4934	BE3130	CO2286	FE2714	MN2576	V_2924	AS1890
AVGE	32.916	15.599	4.0350	5.5951	4.5285	3.4756	13.973
SDEV	.517	.181	.0446	.0663	.0492	.0518	.250
%RSD	1.5720	1.1603	1.1044	1.1854	1.0859	1.4904	1.7860
#1	32.331	15.392	3.9920	5.5219	4.4872	3.4197	13.692
#2	33.315	15.679	4.0809	5.6513	4.5829	3.4850	14.169
#3	33.101	15.726	4.0322	5.6119	4.5154	3.5220	14.058

ELEM	MO2020
AVGE	3.7125
SDEV	.0680
%RSD	1.8325
#1	3.6355
#2	3.7380
#3	3.7642

METHOD: ALT-P4Q2 STANDARD: S RSTD-4
RUN TIME: 06/11/10 09:56:31

ELEM	SB2068	SN1899	BI2230	TI3349
AVGE	5.4736	19.593	4.0297	44.002
SDEV	.0272	.054	.0126	.489
%RSD	.49760	.27312	.31286	1.1122
#1	5.4466	19.569	4.0439	44.501
#2	5.4732	19.655	4.0197	43.981
#3	5.5010	19.556	4.0256	43.523

METHOD: ALT-P4Q2 SAMPLE NAME: ICV1 OPERATOR:
RUN TIME: 06/11/10 10:02:07
COMMENT: ICV1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	499.3381	2399.053	492.5311	501.8003	9633.907	487.7294	501.7988
SDEV	2.0751	7.571	5.0885	.5125	20.804	3.4890	5.1167
%RSD	.4155610	.3156035	1.033143	.1021378	.2159485	.7153618	1.019669
#1	497.0441	2405.524	486.6711	501.8573	9613.704	483.8043	496.6967
#2	499.8859	2400.909	495.8336	502.2819	9655.265	490.4787	506.9299
#3	501.0843	2390.726	495.0886	501.2617	9632.754	488.9051	501.7699
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	501.0000	2521.000	497.0000	495.0000	10026.00	496.0000	499.0000
RANGE	10.40000	10.40000	10.40000	10.40000	10.40000	10.40000	10.40000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	486.0225	496.4845	4936.160	10715.09	5968.230	494.2282	9585.219
SDEV	2.0089	1.0853	36.139	39.79	33.898	4.3934	53.200
%RSD	.4133258	.2186033	.7321252	.3713204	.5679809	.8889453	.5550247
#1	484.8351	495.2673	4896.275	10730.87	5948.300	490.0895	9558.744
#2	488.3419	497.3516	4966.729	10744.57	6007.371	498.8383	9646.462
#3	484.8904	496.8346	4945.476	10669.84	5949.020	493.7567	9550.449
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	490.0000	492.0000	5082.000	10021.00	6074.000	499.0000	10097.00
RANGE	10.40000	10.40000	10.40000	10.40000	10.40000	10.40000	10.40000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	490.0078	1003.900	498.7670	950.9615	970.9829	976.1964	976.2063
SDEV	2.8054	8.493	3.3519	4.9462	4.2567	2.4815	5.2470
%RSD	.5725160	.8459991	.6720352	.5201261	.4383929	.2541966	.5374895
#1	486.7704	994.5949	501.8827	945.4002	971.6840	978.4132	970.7034
#2	491.7248	1011.234	499.1977	954.8683	966.4192	976.6602	981.1531
#3	491.5282	1005.871	495.2206	952.6161	974.8456	973.5158	976.7624
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	503.0000	1028.000	501.0000	1025.000	1002.000	1029.000	994.0000
RANGE	10.40000	10.40000	10.40000	10.40000	10.40000	10.40000	10.40000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	996.3701	972.0798	970.4313	972.2373	978.1705	1164.864	1116.049
SDEV	5.3666	3.5804	6.6658	11.6422	2.8476	5.390	7.833
%RSD	.5386179	.3683270	.6868892	1.197464	.2911116	.4627482	.7018332
#1	992.4915	967.9756	973.5315	978.2790	978.4777	1159.504	1107.036
#2	1002.495	973.7004	962.7801	979.6166	975.1818	1170.284	1121.214
#3	994.1240	974.5635	974.9825	958.8163	980.8520	1164.804	1119.895
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	999.0000					1100.000	1100.000
RANGE	10.40000					10.40000	10.40000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1146.752	1153.113	4579.244
SDEV	6.908	3.930	18.180
%RSD	.6023796	.3408442	.3970083
#1	1138.776	1151.375	4572.333
#2	1150.854	1157.613	4565.533
#3	1150.625	1150.351	4599.866
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1100.000	1100.000	
RANGE	10.40000	10.40000	

METHOD: ALT-P4Q2 SAMPLE NAME: ICB OPERATOR:
RUN TIME: 06/11/10 10:09:15
COMMENT: ICB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2624972	25.18596	.1609488	.8693970	369.9392	-.348104	-.787435
SDEV	.2279729	4.63534	.1824859	.2993510	2.7957	.070364	.340634
%RSD	86.84776	18.40446	113.3814	34.43203	.7557205	20.21360	43.25863
#1	.2054325	24.47046	.0852491	.6463900	369.1691	-.270500	-1.02486
#2	.0684775	20.94998	.0284951	.7521824	367.6092	-.407746	-.940303
#3	.5135814	30.13746	.3691021	1.209619	373.0392	-.366065	-.397146
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4343163	-.301598	-1.55235	-1439.01	1.257381	.2560891	8.216570
SDEV	.3287528	.143607	6.85725	7.58	3.769423	.0615512	11.10145
%RSD	75.69434	47.61527	441.7322	.5267190	299.7836	24.03508	135.1105
#1	.6714255	-.414697	1.391194	-1441.94	-.102660	.2191244	14.37434
#2	.5724967	-.350070	3.341677	-1444.69	-1.64328	.2220000	-4.59903
#3	.0590267	-.140028	-9.38993	-1430.40	5.518082	.3271430	14.87439
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.5692617	1.941027	.2445768	.7523528	-.070605	.5392692	1.112717
SDEV	.0963476	1.392730	.4797520	.5181072	1.129684	1.187738	1.551138
%RSD	16.92502	71.75223	196.1560	68.86493	1600.016	220.2496	139.4010
#1	.4830344	2.529525	.3705405	1.350606	-1.36219	1.390428	-.138528
#2	.6732564	.3506492	-.285590	.4555213	.4169189	1.045016	2.848213
#3	.5514941	2.942906	.6487799	.4509315	.7334531	-.817636	.6284644
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.7444308	1.045769	-.630741	-2.43779	2.022780	-.493067	-.382672
SDEV	2.269535	2.301563	.546105	2.06390	2.705902	3.428779	1.280807
%RSD	304.8684	220.0832	86.58142	84.66288	133.7714	695.3976	334.7010
#1	3.105891	-1.59534	-1.24854	-2.67407	3.416867	-1.77907	-1.00318
#2	.5477829	2.110228	-.431254	-4.37338	3.747367	-3.09293	-1.23504
#3	-1.42038	2.622422	-.212427	-.265916	-1.09589	3.392800	1.090206
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.089160	.3613929	4330.289
SDEV	.832358	.3365849	39.472
%RSD	39.84175	93.13545	.9115322
#1	2.019607	.2530292	4370.133
#2	1.293761	.0923374	4329.533
#3	2.954113	.7388121	4291.200
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: CRI OPERATOR:
RUN TIME: 06/11/10 10:16:24
COMMENT: CRI
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	9.575439	2.433710	.0413337	5.166122	373.3642	5.332054	53.14931
SDEV	.206381	7.041172	.0207104	.081942	.4952	.195239	.68675
%RSD	2.155319	289.3185	50.10531	1.586148	.1326271	3.661608	1.292113
#1	9.381420	-4.13442	.0557098	5.098160	373.9345	5.158234	52.56309
#2	9.792285	9.867817	.0506960	5.257116	373.0432	5.543295	53.90490
#3	9.552614	1.567732	.0175953	5.143091	373.1150	5.294632	52.97993
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	10.00000	.0000000	.0000000	5.000000	.0000000	5.000000	50.00000
RANGE	3.000000	400.0000	400.0000	1.500000	2000.000	1.500000	15.00000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	10.52995	25.59276	7.484214	-1433.81	1.797187	15.78265	44.09402
SDEV	.61489	.23432	2.914716	1.22	.510193	.27418	8.98310
%RSD	5.839440	.9155876	38.94485	.0849652	28.38844	1.737230	20.37261
#1	10.03063	25.82435	6.894575	-1433.55	1.766781	15.52271	51.91682
#2	10.34246	25.35579	10.64867	-1432.74	2.321903	15.75610	46.08168
#3	11.21676	25.59815	4.909397	-1435.14	1.302877	16.06914	34.28355
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	10.00000	25.00000	.0000000	.0000000	.0000000	15.00000	.0000000
RANGE	3.000000	7.500000	200.0000	2000.000	2000.000	4.500000	2000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	41.67993	25.87846	50.94109	62.29254	9.052007	36.16170	62.72596
SDEV	.48391	1.41937	.36143	1.15700	.144708	1.18327	.76805
%RSD	1.161020	5.484759	.7095001	1.857367	1.598628	3.272168	1.224449
#1	41.45895	27.36001	51.01461	60.95760	9.055607	35.29678	61.95569
#2	41.34595	24.53075	50.54856	63.00583	9.194881	37.51017	63.49177
#3	42.23488	25.74462	51.26011	62.91420	8.905533	35.67816	62.73042
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	40.00000	25.00000	50.00000	60.00000	10.00000	35.00000	60.00000
RANGE	12.00000	12.50000	15.00000	18.00000	5.000000	10.50000	30.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	10.53540	10.10251	8.524637	31.76773	38.35281	53.85080	50.21076
SDEV	.59972	1.65589	1.043053	1.16624	1.19178	2.51919	1.58142
%RSD	5.692388	16.39083	12.23575	3.671150	3.107400	4.678083	3.149566
#1	10.04438	9.901384	8.630453	30.91257	37.48302	52.81691	50.93641
#2	11.20380	8.556374	9.510750	33.09623	39.71124	56.72245	51.29913
#3	10.35803	11.84977	7.432710	31.29441	37.86416	52.01306	48.39674
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	NOCHECK
VALUE	10.00000					50.00000	
RANGE	3.000000					15.00000	

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	51.92784	51.98336	4673.999
SDEV	.78681	.11034	10.889
%RSD	1.515208	.2122628	.2329600
#1	52.52882	52.07442	4685.600
#2	52.21744	51.86065	4672.400
#3	51.03727	52.01500	4663.999
ERRORS	NOCHECK	NOCHECK	NOCHECK
VALUE			
RANGE			

METHOD: ALT-P4Q2 SAMPLE NAME: ICSA OPERATOR:
RUN TIME: 06/11/10 10:23:32
COMMENT: ICSA
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0342388	234789.4	2.459795	1.055851	244554.9	7.557533	-.108895
SDEV	.0342388	3552.2	.024640	.207583	2180.7	.080672	.314913
%RSD	99.99999	1.512944	1.001696	19.66027	.8917088	1.067441	289.1886
#1	.0684775	232363.9	2.441396	.8166704	244346.2	7.536713	-.450483
#2	.0342388	233137.5	2.450201	1.189050	242486.1	7.646574	.1698723
#3	.0000000	238866.8	2.487789	1.161833	246832.5	7.489311	-.046075
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	244100.0	2.000000	.0000000	234900.0	.0000000	4.000000
RANGE	10.00000	48820.00	400.0000	10.00000	46980.00	10.00000	10.00000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	41.93205	22.91069	93844.88	-1435.88	254162.1	18.60916	816.5173
SDEV	.39747	.33204	532.17	.83	2136.1	.11317	40.8852
%RSD	.9478983	1.449278	.5670710	.0576792	.8404616	.6081547	5.007261
#1	41.47542	22.88376	93558.09	-1436.40	252917.7	18.47928	794.4129
#2	42.20034	22.59294	93517.62	-1434.92	252940.0	18.66164	863.6962
#3	42.12040	23.25538	94458.93	-1436.32	256628.7	18.68658	791.4427
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	43.00000	23.00000	95600.00	.0000000	247500.0	19.00000	.0000000
RANGE	20.00000	10.00000	19120.00	2000.000	49500.00	20.00000	2000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	20.79599	11.09451	-3.90428	31.48201	4.828816	1.479741	3.328081
SDEV	1.03537	2.12363	.65605	.59135	.940254	2.644476	4.311686
%RSD	4.978707	19.14124	16.80328	1.878371	19.47173	178.7121	129.5547
#1	21.21725	13.37244	-3.93794	31.41819	5.905561	4.205367	6.169823
#2	19.61639	10.74174	-3.23205	32.10268	4.411041	-1.07533	5.447550
#3	21.55433	9.169365	-4.54284	30.92516	4.169847	1.309186	-1.63313
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	21.00000	.0000000	1.000000	28.00000	10.00000	.0000000	.0000000
RANGE	10.00000	20.00000	40.00000	40.00000	6.000000	10.00000	20.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.773342	-14.1613	14.30621	6.819340	-1.18881	-4.06804	2.884927
SDEV	2.147971	.7038	1.59298	2.877893	5.05098	1.43331	1.849816
%RSD	277.7516	4.969768	11.13491	42.20192	424.8758	35.23350	64.12003
#1	.2531725	-14.4145	16.04697	3.706392	4.451763	-3.75595	1.136221
#2	-3.24197	-14.7035	13.95054	7.368625	-5.29374	-5.63168	4.821515
#3	.6687720	-13.3660	12.92112	9.383004	-2.72446	-2.81648	2.697046
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	20.00000					100.0000	100.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-2.17226	-4.24842	4386.267
SDEV	2.11276	.07800	60.771
%RSD	97.26096	1.836086	1.385491
#1	.2667868	-4.25004	4448.667
#2	-3.43705	-4.32560	4382.866
#3	-3.34653	-4.16961	4327.267
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	100.0000	100.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: ICSAB OPERATOR:
RUN TIME: 06/11/10 10:30:41
COMMENT: ICSAB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	199.8402	234628.4	490.4762	484.2063	243908.7	931.1567	475.4164
SDEV	3.9296	3623.5	6.9475	1.7212	1550.0	4.3329	3.9020
%RSD	1.966376	1.544339	1.416482	.3554774	.6354773	.4653283	.8207454
#1	204.0630	230780.3	482.4915	485.3839	245659.9	936.0541	476.2186
#2	196.2908	237975.0	493.7965	485.0041	243353.2	929.5950	478.8548
#3	199.1669	235129.9	495.1405	482.2309	242713.0	927.8212	471.1756
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	206.0000	241100.0	495.0000	475.0000	231100.0	940.0000	461.0000
RANGE	41.20000	48220.00	400.0000	95.00000	46220.00	188.0000	92.20000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	503.7866	521.1509	93719.34	-1425.52	252178.8	500.1401	872.8276
SDEV	8.6620	3.7528	943.20	13.68	2990.4	5.5940	249.1164
%RSD	1.719370	.7200983	1.006404	.9597557	1.185836	1.118477	28.54130
#1	506.7324	525.3518	93933.41	-1409.77	251011.0	498.9422	1159.610
#2	510.5915	519.9714	94537.11	-1434.43	255576.8	506.2360	710.0516
#3	494.0360	518.1295	92687.52	-1432.36	249948.3	495.2421	748.8212
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	511.0000	548.0000	94800.00	.0000000	251100.0	502.0000	.0000000
RANGE	102.2000	109.6000	18960.00	2000.000	50220.00	100.4000	2000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	957.9349	110.6267	480.8094	919.4840	53.85581	49.52129	600.9813
SDEV	5.3545	2.8837	5.0750	14.9638	2.74317	.39964	2.5857
%RSD	.5589588	2.606729	1.055520	1.627415	5.093536	.8070040	.4302494
#1	963.4937	111.9913	482.0292	936.5664	50.71285	49.06218	603.9518
#2	957.4998	112.5748	485.1633	913.1928	55.08626	49.71052	599.7571
#3	952.8113	107.3139	475.2356	908.6930	55.76833	49.79117	599.2351
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	984.0000	103.0000	494.0000	1028.000	61.00000	53.00000	589.0000
RANGE	196.8000	20.60000	98.80000	205.6000	12.20000	10.60000	117.8000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	104.6352	42.61185	59.46523	67.93946	40.32326	1002.858	993.8635
SDEV	5.1201	14.85199	11.49554	22.72840	11.94181	6.801	3.6736
%RSD	4.893304	34.85412	19.33152	33.45390	29.61518	.6781629	.3696313
#1	110.5460	59.75331	46.19535	94.17624	26.53628	1010.387	994.6736
#2	101.5665	33.58356	65.81729	54.26984	47.43147	1001.030	997.0644
#3	101.7931	34.49869	66.38306	55.37231	47.00203	997.1583	989.8524
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	101.0000					1000.000	1000.000
RANGE	20.20000					200.0000	200.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	966.8424	969.3399	4387.977
SDEV	4.8497	1.7196	82.475
%RSD	.5016013	.1774013	1.879578
#1	967.5119	969.5069	4474.066
#2	971.3226	970.9700	4309.667
#3	961.6928	967.5429	4380.200
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	200.0000	200.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV OPERATOR:
RUN TIME: 06/11/10 10:37:49
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	102.4309	47069.55	968.7883	1027.901	49156.48	979.5228	1002.532
SDEV	1.6761	331.45	3.8253	4.295	428.66	5.4929	5.181
%RSD	1.636286	.7041770	.3948561	.4178281	.8720214	.5607781	.5167520
#1	103.6750	46699.94	964.5581	1029.293	49424.04	978.3091	1003.228
#2	103.0929	47168.28	972.0044	1031.327	49383.34	985.5211	1007.330
#3	100.5250	47340.41	969.8024	1023.083	48662.07	974.7382	997.0392
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	994.5686	1000.789	24796.97	50325.86	50393.88	1009.718	49340.85
SDEV	6.3639	4.874	137.65	674.73	153.02	5.306	378.89
%RSD	.6398613	.4870457	.5551000	1.340717	.3036499	.5254546	.7679096
#1	999.2322	1004.699	24841.97	49578.64	50289.78	1011.201	48917.03
#2	997.1549	1002.340	24906.48	50508.38	50569.57	1014.124	49458.70
#3	987.3188	995.3279	24642.45	50890.54	50322.29	1003.828	49646.81
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	977.0360	978.3931	1007.061	1067.194	971.5490	989.2875	990.9059
SDEV	7.3207	8.4380	6.526	13.125	8.3250	1.0446	12.3310
%RSD	.7492719	.8624323	.6479841	1.229888	.8568799	.1055959	1.244421
#1	971.9105	968.6528	1009.593	1072.484	968.6255	988.1615	977.1644
#2	985.4202	983.4734	1011.941	1076.849	980.9415	990.2252	1001.007
#3	973.7773	983.0531	999.6490	1052.249	965.0801	989.4759	994.5467
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1016.257	964.1185	975.2560	985.9522	990.9502	1025.575	976.4695
SDEV	8.211	8.7555	8.2482	2.7421	2.9318	4.029	7.6146
%RSD	.8079477	.9081308	.8457474	.2781186	.2958534	.3928328	.7798099
#1	1007.542	963.0566	971.4028	988.7846	987.8480	1023.517	968.2642
#2	1023.848	973.3564	984.7256	983.3103	993.6750	1022.990	983.3084
#3	1017.380	955.9424	969.6396	985.7618	991.3276	1030.217	977.8359
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1015.133	994.0777	4633.200
SDEV	12.364	4.8091	70.582
%RSD	1.217974	.4837713	1.523387
#1	1005.507	991.2129	4708.533
#2	1029.077	999.6298	4622.466
#3	1010.814	991.3903	4568.600
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB OPERATOR:
RUN TIME: 06/11/10 10:44:59
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2739101	40.95726	.2921254	.5850620	395.1053	.2956339	.3208009
SDEV	.1711938	39.73665	.2634491	.4501557	32.0556	.6651913	1.439136
%RSD	62.50000	97.01980	90.18356	76.94154	8.113192	225.0051	448.6072
#1	.2739101	10.40915	.1150335	.4358746	366.8566	-.437211	-1.24042
#2	.1027163	85.88112	.5948774	1.090872	429.9437	.8612624	1.594417
#3	.4451039	26.58150	.1664652	.2284394	388.5156	.4628505	.6084059
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6923424	-.102328	17.70870	-1424.09	31.75535	.2041454	52.23008
SDEV	.5720843	.218170	12.30171	19.73	39.30279	.2898110	75.39507
%RSD	82.63026	213.2063	69.46703	1.385161	123.7674	141.9630	144.3518
#1	.2708553	-.317755	7.854569	-1437.95	-3.01933	-.083133	32.01923
#2	1.343588	.1184848	31.49602	-1401.51	74.39641	.4964241	135.6707
#3	.4625840	-.107714	13.77551	-1432.82	23.88898	.1991453	-10.9997
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0421407	.0593832	.2137617	.6264877	.2318627	1.938999	3.282663
SDEV	.3821129	1.113622	.2566329	.6453217	1.171906	2.438804	.515963
%RSD	906.7545	1875.313	120.0556	103.0063	505.4310	125.7764	15.71782
#1	-.237577	-.383755	-.035813	.4739066	-.012661	2.333736	3.744528
#2	-.113515	1.326359	.4769139	1.334426	1.506738	4.156356	3.377656
#3	.4775140	-.764454	.2001840	.0711301	-.798490	-.673095	2.725804
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1838529	2.183470	-.745115	.9048459	2.452663	.1514732	.8344355
SDEV	2.563226	1.622901	1.259228	1.265105	3.155666	.5917561	1.741591
%RSD	1394.172	74.32671	168.9978	139.8144	128.6628	390.6671	208.7149
#1	-2.68553	3.129280	-1.58395	1.891562	2.551821	.7422516	.4381204
#2	.9899805	3.111596	.7028562	1.344378	5.557581	.1534240	2.740030
#3	2.247111	.3095328	-1.35426	-.521402	-.751413	-.441256	-.674844
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.576873	.1877038	4576.777
SDEV	.775640	.3721435	81.376
%RSD	30.10004	198.2611	1.778023
#1	3.250570	-.153611	4517.066
#2	2.751119	.5844561	4543.800
#3	1.728931	.1322664	4669.466
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: LRS OPERATOR:
RUN TIME: 06/11/10 10:55:21
COMMENT: SDG:LRS CLIENTID:LRS 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	4.964620	207.8920	185.1643	5.236400	4769.827	4.807436	5.573231
SDEV	.280256	25.8191	1.6017	.261622	30.918	.302323	.555371
%RSD	5.645071	12.41947	.8650185	4.996217	.6482075	6.288663	9.964976
#1	5.204291	185.9146	184.8511	4.939775	4802.189	4.769778	5.036515
#2	4.656471	201.4345	183.7423	5.335149	4766.704	4.525706	6.145545
#3	5.033098	236.3270	186.8994	5.434274	4740.589	5.126825	5.537634
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	7.500000	300.0000	300.0000	7.500000	7500.000	7.500000	7.500000
LOW	2.500000	100.0000	100.0000	2.500000	2500.000	2.500000	2.500000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	9.754917	4.841728	75.99686	4444.734	4748.915	9.568942	4397.913
SDEV	.142370	.177972	11.15929	69.858	10.285	.023937	22.096
%RSD	1.459465	3.675797	14.68388	1.571696	.2165675	.2501557	.5024216
#1	9.754091	4.852500	70.17239	4364.070	4737.185	9.596049	4382.327
#2	9.612962	4.658615	68.95489	4484.914	4756.385	9.560067	4423.200
#3	9.897697	5.014070	88.86330	4485.219	4753.175	9.550710	4388.212
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	15.00000	7.500000	150.0000	7500.000	7500.000	15.00000	7500.000
LOW	5.000000	2.500000	50.00000	2500.000	2500.000	5.000000	2500.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	5.337708	13.25040	19.02143	19.87954	3.487842	6.977402	11.23668
SDEV	.319330	3.10521	.12823	.54803	.278345	2.036573	1.63049
%RSD	5.982527	23.43487	.6741177	2.756747	7.980443	29.18813	14.51044
#1	5.681050	14.60415	19.06958	20.03775	3.789043	H8.695612	10.30880
#2	5.049595	9.698132	18.87609	19.26981	3.240110	H7.508780	10.28189
#3	5.282479	H15.44891	19.11861	20.33106	3.434374	4.727813	13.11934
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	7.500000	15.00000	30.00000	30.00000	4.500000	7.500000	15.00000
LOW	2.500000	5.000000	10.00000	10.00000	1.500000	2.500000	5.000000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	13.91682	2.547436	3.954679	6.024655	7.450398	18.93564	18.75938
SDEV	1.95188	.832225	.328478	3.040812	1.908460	.81256	1.18181
%RSD	14.02533	32.66914	8.306066	50.47281	25.61555	4.291193	6.299820
#1	14.46817	2.924748	4.217909	9.452273	8.315213	18.91780	19.83312
#2	11.74856	1.593387	4.059560	4.970476	8.773352	18.13215	18.95187
#3	H15.53372	3.124172	3.586568	3.651215	5.262630	19.75698	17.49314
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	15.00000					30.00000	30.00000
LOW	5.000000					10.00000	10.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	19.38641	18.84983	4534.400
SDEV	.49995	.08479	41.103
%RSD	2.578874	.4498419	.9064782
#1	19.05781	18.76150	4581.800
#2	19.13966	18.85739	4508.600
#3	19.96177	18.93059	4512.800
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	30.00000	30.00000	
LOW	10.00000	10.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-14 OPERATOR:
RUN TIME: 06/11/10 11:02:29
COMMENT: SDG:1005064 CLIENTID:SDZ-WN03 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3081488	16.48993	.9744000	.3629975	20019.18	.7244642	2.207438
SDEV	.1492433	3.15206	.0132050	.0482467	80.69	.0762188	.310845
%RSD	48.43221	19.11507	1.355196	13.29118	.4030868	10.52071	14.08172
#1	.2396713	16.52461	.9654794	.4005759	20062.55	.6454910	2.353583
#2	.4793426	13.32067	.9681510	.3798262	20068.92	.7975919	2.418278
#3	.2054325	19.62450	.9895697	.3085903	19926.08	.7303098	1.850454
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.189069	.4362402	L-225.202	23013.24	58712.66	2.294667	469553.9
SDEV	.210325	.1779720	13.161	245.68	190.25	.079717	2430.8
%RSD	111.2423	40.79679	5.843894	1.067544	.3240334	3.474032	.5176808
#1	-.424629	.2638988	L-238.957	23246.72	58856.79	2.269220	471400.8
#2	-.122477	.4254685	L-223.921	23036.04	58784.17	2.230780	470460.9
#3	-.020101	.6193535	L-212.729	22756.96	58497.02	2.384001	466800.0
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6244875	1.426726	.6184366	1.768128	-.324047	.9068685	.8535792
SDEV	.2736640	1.559489	.2733622	.383059	.455306	1.009732	.9113986
%RSD	43.82217	109.3055	44.20214	21.66467	140.5063	111.3427	106.7738
#1	.9097120	-.367880	.9243621	2.210424	-.174212	1.242532	1.616790
#2	.3640736	2.452678	.5328096	1.550834	-.835388	1.706019	-.155545
#3	.5996770	2.195380	.3981381	1.543125	.0374599	-.227946	1.099492
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.665491	3.690543	-2.33100	-.141245	1.427469	-1.43845	1.093524
SDEV	1.077996	2.084907	.51377	.207570	1.615719	1.74746	1.495073
%RSD	64.72541	56.49323	22.04084	146.9574	113.1877	121.4824	136.7206
#1	.6912061	5.294879	-2.90736	-.252143	1.986049	-.035549	.7878160
#2	1.481701	1.333892	-1.92107	-.269812	2.689782	-3.39590	-.225066
#3	2.823568	4.442857	-2.16458	.0982192	-.393424	-.883903	2.717823

ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.4052333	-.878757	4521.088
SDEV	.8812769	.134176	50.964
%RSD	217.4739	15.26888	1.127256
#1	-.588742	-1.02430	4471.667
#2	1.091055	-.851993	4518.133
#3	.7133874	-.759979	4573.466

ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-15 OPERATOR:
RUN TIME: 06/11/10 11:09:38
COMMENT: SDG:1005064 CLIENTID:SDZ-WN30 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1826067	13.77385	.8394393	.3800685	25933.91	.6952684	2.251994
SDEV	.3106747	4.88741	.0883200	.2594146	492.26	.1712518	.703823
%RSD	170.1332	35.48329	10.52131	68.25470	1.898118	24.63104	31.25334
#1	.1369550	9.502348	.7848190	.0843034	26502.02	.8862224	3.056204
#2	-.102716	19.10374	.7921646	.5690386	25665.73	.5552984	1.951390
#3	.5135814	12.71546	.9413343	.4868633	25633.97	.6442845	1.748388
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.051236	1.066365	L-223.177	33435.32	82466.11	3.237454	638872.6
SDEV	1.256135	.266632	38.887	933.07	173.93	.279806	7903.4
%RSD	2451.686	25.00384	17.42417	2.790667	.2109140	8.642764	1.237080
#1	1.246836	1.362577	L-183.576	32367.37	82474.27	3.519498	629808.3
#2	-.139795	.9909649	L-224.648	33845.89	82635.82	3.232922	642487.4
#3	-1.26075	.8455518	L-261.308	34092.70	82288.24	2.959942	644322.2
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.9781753	1.710358	-.048515	1.329891	-.528927	.9241220	.7608786
SDEV	1.284603	2.182441	.417149	1.218678	.365691	.7196216	3.532396
%RSD	131.3265	127.6014	859.8369	91.63748	69.13819	77.87084	464.2523
#1	2.454481	-.266525	-.217986	2.408760	-.153430	1.334318	4.043177
#2	.1151405	4.052313	-.354257	1.572894	-.549402	1.344851	1.216802
#3	.3649042	1.345287	.4266986	.0080187	-.883951	.0931968	-2.97734
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.441329	4.004966	-2.79521	4.161783	-.695015	-1.76921	-1.25565
SDEV	2.868301	6.361665	3.62787	5.459956	3.652250	.84910	.78472
%RSD	199.0040	158.8444	129.7888	131.1927	525.4924	47.99297	62.49515
#1	3.934730	.8359381	-.650034	4.892197	-.444616	-.864152	-1.99099
#2	2.082579	-.149748	-.751692	-1.62661	2.825592	-1.89522	-1.34651
#3	-1.69332	11.32871	-6.98390	9.219766	-4.46602	-2.54826	-.429455
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.7716392	-1.10412	4419.222
SDEV	.5611283	.34965	101.719
%RSD	72.71899	31.66766	2.301748
#1	.1272636	-.753317	4536.267
#2	1.152564	-1.10645	4369.200
#3	1.035091	-1.45261	4352.200
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-17 OPERATOR:
RUN TIME: 06/11/10 11:16:46
COMMENT: SDG:1005064 CLIENTID:SDZ-WN10 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2853230	36.94000	.7695385	1.289966	25722.05	.4294245	1.824023
SDEV	.3817788	4.36390	.0542686	.146571	130.74	.1633629	.199179
%RSD	133.8058	11.81347	7.052094	11.36241	.5082666	38.04228	10.91974
#1	.0000000	41.66643	.7468293	1.439188	25596.60	.5957939	2.053776
#2	.7190139	33.06377	.8314727	1.284512	25712.05	.2692441	1.700081
#3	.1369550	36.08979	.7303134	1.146198	25857.50	.4232355	1.718211
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.232386	-.166956	L-246.991	37144.20	84479.98	-.641809	675303.5
SDEV	.324693	.102611	14.449	883.37	356.92	.174008	8182.2
%RSD	139.7217	61.45984	5.850076	2.378222	.4224897	27.11212	1.211636
#1	.0435946	-.107714	L-231.520	37900.04	84866.02	-.444943	682947.4
#2	-.590152	-.285441	L-260.136	37359.46	84411.92	-.775050	676290.6
#3	-.150599	-.107714	L-249.317	36173.09	84161.98	-.705436	666672.5
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.155825	3.156342	.3776669	1.056092	-.756511	.4438454	.4409045
SDEV	.568029	1.354605	.3414122	.263243	.634290	1.265330	.1628214
%RSD	364.5302	42.91692	90.40035	24.92613	83.84418	285.0834	36.92896
#1	.2305913	3.043178	.0721490	.9044784	-1.11835	1.357963	.6257731
#2	-.808020	4.563979	.7461952	.9037396	-1.12707	.9738793	.3188305
#3	.1099536	1.861869	.3146566	1.360059	-.024113	-1.00031	.3781098
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.064274	1.878180	-2.07477	-2.05510	1.688560	.8230075	1.866740
SDEV	1.593566	3.656447	2.38408	4.15314	2.796635	2.214896	1.000057
%RSD	77.19743	194.6803	114.9081	202.0889	165.6225	269.1222	53.57236
#1	3.834756	-.589345	-1.38540	-5.76682	4.912078	1.616052	1.664887
#2	1.613195	6.078944	-4.72757	2.430567	.2437276	2.532210	2.952327
#3	.7448698	.1449409	-.111339	-2.82906	-.090127	-1.67924	.9830070
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.4170111	-1.23939	4181.711
SDEV	.2190761	.14681	82.342
%RSD	52.53483	11.84512	1.969103
#1	.6097912	-1.08913	4110.200
#2	.4624703	-1.38248	4163.200
#3	.1787718	-1.24655	4271.733
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-20 OPERATOR:
RUN TIME: 06/11/10 11:23:54
COMMENT: SDG:1005064 CLIENTID:SDZ-WN18 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.228258	23.29126	.6261595	.5697613	28890.33	.5125868	2.247624
SDEV	.188572	4.69691	.1216622	.0469670	190.96	.1103044	.512297
%RSD	82.61356	20.16597	19.42991	8.243275	.6609986	21.51918	22.79284
#1	-.445104	18.27895	.5738836	.5383777	28686.13	.3857926	1.899156
#2	-.102716	27.59143	.5393721	.5471491	29064.50	.5864482	2.835834
#3	-.136955	24.00342	.7652227	.6237572	28920.36	.5655196	2.007882
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.33938	2.046559	L-168.089	33111.77	82780.63	1.690074	645290.1
SDEV	.91387	1.142628	43.402	205.73	493.74	.378577	1355.9
%RSD	68.23088	55.83167	25.82068	.6213106	.5964407	22.40004	.2101156
#1	-2.39270	1.217164	L-217.186	32962.88	82226.54	1.255451	644433.1
#2	-.868073	1.572619	L-134.833	33346.52	83173.91	1.866792	646853.2
#3	-.757380	3.349894	L-152.247	33025.91	82941.45	1.947979	644583.8
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.177242	.9125909	-.294776	.4539744	-1.07569	.3737468	-1.99332
SDEV	1.392829	1.880016	.541659	.9809364	.26788	1.725713	3.66112
%RSD	785.8344	206.0086	183.7529	216.0775	24.90289	461.7332	183.6696
#1	-1.75947	3.069730	-.620248	-.671172	-.786963	-1.55880	-6.03633
#2	.3641201	-.376979	-.594583	1.129551	-1.12394	.9192515	1.097918
#3	.8636282	.0450219	.3305029	.9035450	-1.31616	1.760785	-1.04154
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0876637	3.001315	-3.11392	2.677600	-.779245	-4.60245	-2.73928
SDEV	3.417538	5.763184	2.59272	.609608	2.870982	.54960	1.55399
%RSD	3898.465	192.0220	83.26219	22.76694	368.4313	11.94138	56.72986
#1	-3.84202	9.215505	-5.78348	3.374147	-4.02436	-5.14502	-4.00308
#2	2.365144	-2.16786	-.605566	2.241356	.2563860	-4.61622	-3.21054
#3	1.739870	1.956299	-2.95272	2.417297	1.430235	-4.04609	-1.00421
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.291161	-1.40041	4325.733
SDEV	.923635	.57903	15.485
%RSD	317.2248	41.34719	.3579691
#1	-1.33598	-2.06870	4335.267
#2	.0458821	-1.04848	4307.866
#3	.4166181	-1.08404	4334.066
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005078-01 OPERATOR:
RUN TIME: 06/11/10 11:31:02
COMMENT: SDG:1005078 CLIENTID:SDZ-SW03 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0114129	76.38051	.9809994	.3890145	20004.32	.5531566	2.253201
SDEV	.2951955	4.54031	.1087596	.1847638	236.79	.0730580	.450719
%RSD	2586.503	5.944331	11.08661	47.49535	1.183674	13.20747	20.00351
#1	.2739101	71.20551	.9319608	.1768917	20178.27	.5097210	2.672988
#2	.0684775	78.24072	1.105644	.5148397	20100.03	.6375041	2.309732
#3	-.308149	79.69529	.9053935	.4753120	19734.66	.5122447	1.776883
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2307151	.5978103	L-179.051	24613.75	62497.49	-.365589	497781.6
SDEV	.4532977	.2365413	11.475	608.71	438.13	.138146	5427.8
%RSD	196.4751	39.56795	6.408920	2.473043	.7010391	37.78732	1.090392
#1	.7541339	.8132375	L-165.977	23930.96	61997.18	-.218102	491517.5
#2	-.029173	.6355101	L-183.722	24810.67	62682.63	-.491965	500734.3
#3	-.032816	.3446831	L-187.454	25099.62	62812.66	-.386700	501092.8
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6592349	.0741944	.2940272	1.984126	.1642561	-.462528	-.143556
SDEV	.5256783	.5359825	.2105658	.414847	.8764361	1.829066	1.772308
%RSD	79.74067	722.4028	71.61441	20.90831	533.5790	395.4501	1234.576
#1	1.249944	.6842539	.5371588	2.393215	-.803690	1.623176	1.806669
#2	.2429047	-.140570	.1706690	1.995412	.3923969	-1.21752	-.581506
#3	.4848565	-.321101	.1742536	1.563750	.9040616	-1.79324	-1.65583
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.770233	.4120269	.0378675	-4.25075	1.426055	.4960182	1.368975
SDEV	1.956548	2.745042	1.340221	1.60341	2.020904	2.691743	2.015619
%RSD	70.62756	666.2288	3539.242	37.72052	141.7129	542.6702	147.2356
#1	4.616515	-.310161	-1.05272	-2.66110	3.759466	-1.55106	1.402534
#2	.7194782	-1.89972	1.534033	-4.22359	.2805584	3.545040	3.367605
#3	2.974707	3.445964	-.367710	-5.86757	.2381420	-.505922	-.663214
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.107484	2.129612	4491.088
SDEV	.416801	.174534	79.539
%RSD	387.7798	8.195579	1.771036
#1	.1189217	2.261840	4581.133
#2	-.588489	2.195213	4461.733
#3	.1471154	1.931782	4430.400
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0051443-DUP1 OPERATOR:
RUN TIME: 06/11/10 11:38:10
COMMENT: SDG:1005078 CLIENTID:SDZ-SW03D 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4793426	67.43452	.9897808	1.111961	18956.66	.2620191	1.107996
SDEV	.1811745	11.57736	.0475381	.316294	387.76	.0756863	.299716
%RSD	37.79645	17.16830	4.802893	28.44468	2.045513	28.88579	27.05029
#1	.6847752	68.45668	1.032206	1.220484	18510.57	.1852888	.7619166
#2	.3423876	78.46691	.9384031	1.359708	19146.36	.3366163	1.282255
#3	.4108651	55.37997	.9987329	.7556916	19213.05	.2641523	1.279817
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.465086	2.078873	L-198.192	25644.65	61651.68	-.239750	501312.6
SDEV	.483443	.262687	4.845	499.43	755.62	.157878	3902.3
%RSD	103.9470	12.63603	2.444485	1.947517	1.225623	65.85118	.7784262
#1	-.885491	2.025017	L-200.389	25865.44	61097.29	-.175256	501936.6
#2	-.572944	1.847288	L-201.548	25995.63	62512.35	-.419665	504865.4
#3	.0631761	2.364315	L-192.638	25072.87	61345.40	-.124329	497135.9
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6133800	3.805587	.5092691	2.946308	-.311076	.6145912	.0590246
SDEV	.2480151	2.104914	.4410095	.356862	1.352037	1.340959	1.558037
%RSD	40.43417	55.31117	86.59656	12.11216	434.6328	218.1871	2639.638
#1	.6175082	2.706925	1.010922	2.739091	.7801851	.3694280	-1.73527
#2	.3633265	2.477320	.3342572	2.741459	.1101787	2.061217	.8427336
#3	.8593051	6.232515	.1826282	3.358374	-1.82359	-.586871	1.069607
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.059045	2.400248	-1.66753	-3.28228	2.557287	1.495111	1.785239
SDEV	.672006	2.283219	1.21031	1.16914	1.835963	2.088222	1.067200
%RSD	63.45390	95.12427	72.58122	35.61984	71.79338	139.6700	59.77912
#1	1.437971	4.955828	-1.30735	-2.17164	1.635212	3.233414	.7602139
#2	.2831500	1.683571	-.678186	-3.17296	4.671532	-.821245	1.705376
#3	1.456014	.5613462	-3.01704	-4.50225	1.365117	2.073164	2.890127
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.271905	-.240192	4281.600
SDEV	.736459	.075174	71.443
%RSD	57.90199	31.29758	1.668616
#1	1.846811	-.213695	4242.267
#2	.4417891	-.325028	4238.466
#3	1.527116	-.181855	4364.066
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: SDI1005078-01 OPERATOR:
RUN TIME: 06/11/10 11:45:18
COMMENT: SDG:1005078 CLIENTID:SDZ-SW03L 1:75
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1597809	11.00172	.1523349	-.137195	4274.293	.1588242	1.106093
SDEV	.2227713	6.04299	.0506994	.206952	38.589	.2739342	.356338
%RSD	139.4230	54.92770	33.28153	150.8455	.9028136	172.4764	32.21589
#1	.1711938	6.465331	.1081152	-.226462	4249.577	.1327719	.7288885
#2	-.068478	17.86161	.1412200	.0994095	4254.542	.4448538	1.437047
#3	.3766263	8.678225	.2076697	-.284532	4318.759	-.101153	1.152343
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6508619	1.653404	-68.9621	3463.420	12607.68	.0124696	103272.2
SDEV	.2836076	.287214	11.6054	22.692	75.68	.0562094	286.9
%RSD	43.57417	17.37108	16.82862	.6551880	.6002802	450.7709	.2777777
#1	.3680422	1.750346	-60.5028	3452.023	12521.84	.0447125	102943.2
#2	.9352509	1.330263	-82.1926	3489.552	12636.42	.0451314	103470.5
#3	.6492924	1.879603	-64.1910	3448.686	12664.78	-.052435	103402.8
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6692705	.8166299	-.154818	1.594238	-.408053	.6094880	1.869859
SDEV	.1831868	.6367242	.070888	.432146	.424923	1.645253	1.399572
%RSD	27.37112	77.96974	45.78785	27.10671	104.1342	269.9402	74.84905
#1	.8783779	1.546282	-.193969	1.110813	-.520649	2.464633	.7225474
#2	.5370946	.3735495	-.197496	1.943072	.0618278	.0364371	1.457838
#3	.5923389	.5300583	-.072989	1.728830	-.765339	-.672606	3.429191
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0997525	1.914650	-1.57022	-1.65042	1.735190	.6008567	1.869430
SDEV	.4475978	.825261	.90967	1.81101	1.619442	1.078975	.938324
%RSD	448.7084	43.10247	57.93237	109.7302	93.32938	179.5727	50.19308
#1	.4017573	1.205845	-1.38516	.1815565	3.601906	1.036203	1.437120
#2	-.414483	1.717460	-.767320	-1.69311	.8973427	1.394144	2.945982
#3	.3119836	2.820644	-2.55819	-3.43972	.7063217	-.627777	1.225187
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.287880	.3619936	4715.555
SDEV	.266274	.1859790	20.352
%RSD	92.49484	51.37633	.4315901
#1	-.136314	.3891717	4726.667
#2	-.131989	.1639209	4692.066
#3	-.595337	.5328882	4727.933
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005078-02 OPERATOR:
RUN TIME: 06/11/10 11:52:26
COMMENT: SDG:1005078 CLIENTID:SDZ-WN12 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3538005	16.02989	.9176009	.2670863	30577.92	.6653804	2.416986
SDEV	.4402489	7.46420	.0870141	.1928680	508.77	.0234480	.087625
%RSD	124.4342	46.56424	9.482781	72.21185	1.663841	3.524000	3.625370
#1	.0342388	20.16105	.9178343	.3592771	30495.66	.6421248	2.316383
#2	.1711938	20.51522	.8304703	.3965576	30115.29	.6650002	2.476636
#3	.8559690	7.413404	1.004498	.0454241	31122.80	.6890162	2.457937
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4996627	1.254864	L-229.782	35810.83	87013.39	5.818695	665739.9
SDEV	.4043657	.417069	14.371	351.24	483.30	.114391	1907.1
%RSD	80.92774	33.23619	6.254253	.9808215	.5554326	1.965925	.2864653
#1	.0645287	1.055594	L-246.253	36043.66	87317.09	5.706190	667137.6
#2	.5705824	.9748082	L-219.800	35982.02	86456.07	5.815013	666514.8
#3	.8638769	1.734190	L-223.292	35406.82	87267.00	5.934883	663567.3
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.7893575	1.857791	.5063138	1.642286	-.566671	1.031680	2.456403
SDEV	1.342204	3.571035	.8555628	.261058	1.150150	.141689	.599955
%RSD	170.0375	192.2194	168.9787	15.89598	202.9660	13.73383	24.42412
#1	-.748773	-.622325	-.229278	1.793523	-.342011	1.133717	2.642138
#2	1.723126	.2449455	.3029995	1.792493	-1.81258	.8699042	1.785545
#3	1.393720	5.950753	1.445220	1.340844	.4545727	1.091419	2.941526
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.7630559	1.514770	-1.60857	-2.72111	2.902528	1.335453	1.341741
SDEV	1.099074	4.156725	.46844	.71313	.322494	2.166184	4.457468
%RSD	144.0359	274.4129	29.12180	26.20730	11.11080	162.2059	332.2151
#1	.6414385	1.542164	-1.28544	-3.06598	3.227660	1.249606	-1.34523
#2	-.270151	-2.65558	-1.39445	-3.19626	2.897189	-.786531	-1.11663
#3	1.917881	5.657730	-2.14581	-1.90111	2.582738	3.543284	6.487089
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.7189501	-.945669	4414.200
SDEV	.7231618	.096920	50.033
%RSD	100.5858	10.24884	1.133448
#1	.6520554	-1.05705	4381.533
#2	.0315600	-.880521	4389.267
#3	1.473235	-.899437	4471.800
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005078-03 OPERATOR:
RUN TIME: 06/11/10 11:59:35
COMMENT: SDG:1005078 CLIENTID:SDZ-WN15 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2396713	75.12016	1.373703	1.288736	35570.56	.4894183	2.295110
SDEV	.0342388	7.27858	.062040	.205808	292.26	.1274694	.097089
%RSD	14.28572	9.689248	4.516293	15.96977	.8216345	26.04508	4.230271
#1	.2739101	72.93081	1.302709	1.209893	35244.06	.3526733	2.210104
#2	.2054325	83.24213	1.417498	1.522309	35659.89	.6049506	2.274313
#3	.2396713	69.18755	1.400903	1.134005	35807.73	.5106311	2.400912
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.348979	-.193885	L-189.815	43704.46	95634.27	9.584554	H747192.5
SDEV	.339924	.219958	17.851	841.80	1207.06	.174470	7147.6
%RSD	97.40539	113.4477	9.404181	1.926116	1.262159	1.820327	.9565931
#1	-.059767	.0538571	L-178.609	43455.69	94668.43	9.474676	H745689.1
#2	-.723401	-.366226	L-180.435	44642.61	96987.45	9.785728	H754972.2
#3	-.263767	-.269284	L-210.400	43015.09	95246.95	9.493256	H740916.2
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.5862564	1.632447	.3122766	1.145099	-.752806	1.395178	.5099105
SDEV	.5862044	2.822897	.3198959	.475386	.493218	2.800057	2.379931
%RSD	99.99110	172.9243	102.4399	41.51483	65.51730	200.6953	466.7351
#1	1.147948	-.466243	-.056263	1.139166	-1.22918	3.390846	3.060584
#2	.6325383	.5218432	.5181669	1.623424	-.244311	2.600366	.1203614
#3	-.021717	4.841739	.4749256	.6727072	-.784930	-1.80568	-1.65121
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0495658	-.131690	-1.06582	.4489239	1.864677	-.385734	1.971280
SDEV	1.464885	3.753300	1.19138	2.849333	3.628328	1.056597	.290034
%RSD	2955.435	2850.104	111.7809	634.7029	194.5821	273.9188	14.71297
#1	1.330828	-4.30919	.3056083	3.725258	3.220978	.4470250	1.642403
#2	-1.54745	2.956385	-1.84523	-1.44986	4.619470	-1.57431	2.190485
#3	.3653161	.9577323	-1.65782	-.928623	-2.24642	-.029920	2.080953
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.3397573	-.475620	4137.600
SDEV	.4566037	.128943	74.958
%RSD	134.3911	27.11043	1.811632
#1	-.186768	-.375233	4146.800
#2	.6267956	-.430587	4058.466
#3	.5792443	-.621040	4207.533
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV OPERATOR:
RUN TIME: 06/11/10 12:06:43
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	100.7532	47058.65	978.6085	1011.857	48076.82	972.6531	994.5067
SDEV	.3629	925.96	18.2651	17.921	905.05	20.5195	16.8888
%RSD	.3601723	1.967664	1.866434	1.771080	1.882515	2.109642	1.698213
#1	100.4223	46402.11	961.8074	995.9758	47195.79	953.7527	976.4644
#2	100.6962	48117.75	998.0502	1031.287	49004.12	994.4779	1009.938
#3	101.1413	46656.09	975.9680	1008.310	48030.56	969.7287	997.1176
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	967.8270	994.0353	24381.52	51647.23	49845.90	991.0005	49670.02
SDEV	26.7626	5.1715	538.66	829.37	1053.16	24.6028	826.44
%RSD	2.765229	.5202498	2.209304	1.605843	2.112842	2.482620	1.663863
#1	938.3166	988.5581	23815.96	50930.36	48757.49	964.8339	48912.38
#2	990.5253	998.8341	24888.49	52555.61	50859.87	1013.664	50551.32
#3	974.6389	994.7139	24440.09	51455.75	49920.36	994.5036	49546.36
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	969.8997	976.8849	987.8962	1041.333	966.8347	988.0039	996.2900
SDEV	18.5764	14.3030	19.7288	16.206	14.8720	13.7975	23.5715
%RSD	1.915291	1.464143	1.997052	1.556305	1.538213	1.396502	2.365932
#1	952.7167	962.3541	971.4215	1024.781	956.9675	975.3890	970.4814
#2	989.6106	990.9486	1009.759	1057.170	983.9401	1002.739	1016.681
#3	967.3716	977.3520	982.5077	1042.046	959.5964	985.8839	1001.707
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1013.305	965.5404	967.4781	990.5949	986.7077	1015.724	981.1286
SDEV	12.238	19.5001	12.6896	17.8143	12.2231	18.165	16.0013
%RSD	1.207775	2.019608	1.311618	1.798342	1.238776	1.788379	1.630912
#1	1001.893	950.4524	960.2174	971.8068	977.1749	999.5242	966.6156
#2	1026.229	987.5592	982.1306	1007.242	1000.488	1035.362	998.2883
#3	1011.792	958.6097	960.0863	992.7363	982.4603	1012.284	978.4819
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1008.375	987.1732	4553.266
SDEV	21.810	19.0504	62.428
%RSD	2.162901	1.929789	1.371050
#1	986.9888	969.5840	4602.333
#2	1030.586	1007.408	4482.999
#3	1007.550	984.5276	4574.466
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB OPERATOR:
RUN TIME: 06/11/10 12:13:53
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L.	UG/L	UG/L	UG/L
AVGE	.2510842	13.13903	.0575934	.0674903	377.6646	.3193062	1.124754
SDEV	.2523778	3.43020	.0507050	.1143834	1.1996	.1838733	.657758
%RSD	100.5152	26.10695	88.03961	169.4811	.3176439	57.58527	58.48016
#1	-.034239	17.06909	.1016419	.1949678	379.0324	.4795547	1.788112
#2	.4451039	11.60092	.0689726	-.026176	377.1698	.3598040	.4727429
#3	.3423876	10.74709	.0021656	.0336794	376.7914	.1185598	1.113407
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1810234	-.161571	7.505085	-1436.59	9.011091	.1635744	10.36525
SDEV	.4265890	.051938	11.38575	1.94	1.500297	.1399281	17.71045
%RSD	235.6541	32.14539	151.7071	.1348286	16.64945	85.54403	170.8636
#1	.2731004	-.123871	19.45225	-1436.05	7.532085	.0108667	-5.08507
#2	.5540547	-.220813	6.283798	-1434.98	10.53181	.2856465	29.69324
#3	-.284085	-.140028	-3.22079	-1438.74	8.969378	.1942100	6.487599
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.497198	4.133462	-.052071	.9724162	.3775463	.7435644	4.262975
SDEV	.260518	1.134866	.327361	.3122323	.5434890	.2028525	.199308
%RSD	52.39712	27.45557	628.6851	32.10892	143.9529	27.28109	4.675331
#1	-.796100	2.880964	.2011912	.9047446	.8128110	.7860093	4.297583
#2	-.318375	5.093412	.0643185	1.312935	-.231607	.9218363	4.048629
#3	-.377119	4.426010	-.421722	.6995690	.5514351	.5228478	4.442712
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.7853864	.7171751	.2054370	-2.40085	2.310866	-1.92924	.2330792
SDEV	.7922716	.3441196	.9172630	4.09509	2.299419	2.77047	1.347915
%RSD	100.8767	47.98265	446.4936	170.5682	99.50467	143.6037	578.3077
#1	1.385133	.8145571	.8093556	-.412864	1.381964	.7030109	-.140191
#2	-.112753	1.002109	-.850069	-7.11044	4.929426	-1.67092	1.728293
#3	1.083779	.3348588	.6570247	.3207538	.6212076	-4.81983	-.888864
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.814538	.0379352	4735.400
SDEV	.638106	.0487537	54.712
%RSD	35.16631	128.5184	1.155386
#1	2.540200	.0253511	4672.733
#2	1.562343	-.003293	4773.667
#3	1.341071	.0917473	4759.800
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005078-04 OPERATOR:
RUN TIME: 06/11/10 12:21:02
COMMENT: SDG:1005078 CLIENTID:SDZ-WN13 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4793426	22.71951	.8227835	.6555187	27882.15	.8374965	2.717795
SDEV	.8735917	9.08558	.0844019	.1427013	296.60	.2338528	.176882
%RSD	182.2479	39.99019	10.25810	21.76921	1.063767	27.92284	6.508275
#1	1.472267	12.38651	.9189727	.4988200	28223.36	.9728376	2.591776
#2	-.171194	26.31453	.7611092	.6897345	27737.03	.5674669	2.920004
#3	.1369550	29.45749	.7882685	.7780017	27686.04	.9721851	2.641605
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.472042	-.086171	L-227.544	36822.65	89652.07	-1.80102	686911.8
SDEV	.290803	.094672	9.250	348.95	314.43	.11412	2455.5
%RSD	61.60521	109.8649	4.065162	.9476559	.3507222	6.336422	.3574663
#1	-.630462	-.123871	L-238.205	36484.78	89876.66	-1.91307	684602.1
#2	-.136427	-.156185	L-222.778	36801.45	89786.83	-1.80508	686642.4
#3	-.649238	.0215427	L-221.649	37181.71	89292.72	-1.68493	689490.8
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.7590668	2.413158	.5125727	1.863860	.1820438	2.582237	2.144994
SDEV	.5024962	2.083920	.8178425	.120278	.4282583	.443700	1.212928
%RSD	66.19921	86.35654	159.5564	6.453156	235.2502	17.18278	56.54692
#1	.1836302	4.803331	1.456934	2.002693	-.202201	3.052337	1.933345
#2	.9823103	.9771833	.0385471	1.791168	.6437437	2.523608	3.449818
#3	1.111260	1.458960	.0422375	1.797718	.1045889	2.170766	1.051820
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.16433	5.449185	-2.45033	3.934620	1.904310	-.569117	1.576388
SDEV	2.46452	8.512585	4.82761	6.728169	2.706377	4.643741	.167349
%RSD	211.6696	156.2176	197.0188	170.9992	142.1185	815.9556	10.61597
#1	-4.00897	15.08777	-7.83845	11.49126	-1.16353	4.568906	1.706272
#2	.1882383	-1.03965	1.481429	1.718703	2.922708	-1.80964	1.387538
#3	.3277567	2.299437	-.993961	-1.40611	3.953749	-4.46661	1.635354
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.138779	-1.15074	4392.866
SDEV	.673374	.12905	36.203
%RSD	59.13126	11.21491	.8241293
#1	1.739161	-1.29161	4429.333
#2	1.266475	-1.03821	4392.333
#3	.4106991	-1.12241	4356.933
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005078-07 OPERATOR:
RUN TIME: 06/11/10 12:31:06
COMMENT: SDG:1005078 CLIENTID:SDZ-WN14 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2510842	122.2038	.9577448	.7410747	32113.22	.8377402	3.267811
SDEV	.1425473	5.3944	.0285682	.0883937	122.19	.1990248	.255523
%RSD	56.77271	4.414305	2.982861	11.92777	.3804843	23.75734	7.819379
#1	.1369550	128.4021	.9510869	.8327021	31972.13	.6592221	3.061801
#2	.4108651	119.6390	.9330934	.6563154	32182.92	1.052336	3.553742
#3	.2054325	118.5702	.9890540	.7342067	32184.59	.8016623	3.187891
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2356220	-.296213	L-104.214	33706.11	87434.59	2.391937	662861.8
SDEV	.3762994	.049361	1.445	242.69	108.17	.088006	1935.1
%RSD	159.7047	16.66388	1.386406	.7200276	.1237102	3.679268	.2919278
#1	-.031268	-.285441	L-103.904	33898.39	87494.59	2.417446	664302.7
#2	.6660158	-.350070	L-102.949	33786.54	87499.46	2.293994	663620.2
#3	.0721177	-.253128	L-105.788	33433.42	87309.73	2.464370	660662.3
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.119901	2.009813	.4949039	2.212902	-.297285	.3925937	.6282892
SDEV	.583958	1.670477	.4160359	.215940	.079867	.8678790	1.241175
%RSD	487.0334	83.11602	84.06397	9.758226	26.86552	221.0629	197.5484
#1	-.367250	2.373949	.3267069	2.000934	-.262504	-.240243	2.039197
#2	.5470234	3.468186	.9687051	2.432606	-.388644	1.381955	.1408277
#3	-.539476	.1873041	.1892997	2.205166	-.240705	.0360691	-.295157
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.560023	2.772182	-1.83242	1.422158	-.124121	-1.54213	1.012826
SDEV	.900751	.658265	.42913	5.490751	2.044135	2.31943	.730516
%RSD	57.73957	23.74536	23.41856	386.0858	1646.887	150.4041	72.12650
#1	1.160679	2.111281	-1.45034	-4.88703	2.076947	-4.14433	.2369318
#2	2.591407	3.427778	-2.29670	5.118938	-.486441	.3077254	1.687382
#3	.9279834	2.777489	-1.75023	4.034566	-1.96287	-.789779	1.114163
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.098772	.9865680	4465.622
SDEV	1.170814	.1126375	26.023
%RSD	1185.370	11.41711	.5827360
#1	.3896237	.8875266	4440.933
#2	.7487756	.9630796	4463.133
#3	-1.43472	1.109098	4492.800
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005078-08 OPERATOR:
RUN TIME: 06/11/10 12:38:14
COMMENT: SDG:1005078 CLIENTID:SDZ-WN11 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1255421	147.6039	1.246958	.3674574	33027.21	.9456162	2.864790
SDEV	.1296259	4.3201	.007006	.1264670	121.00	.2338649	.430896
%RSD	103.2529	2.926792	.5618281	34.41678	.3663589	24.73148	15.04109
#1	.0342388	142.6177	1.241088	.2222068	33164.94	.9405419	2.370547
#2	.2739101	150.2247	1.254714	.4531439	32978.64	1.181977	3.161549
#3	.0684775	149.9693	1.245073	.4270215	32938.04	.7143297	3.062273
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4323884	-.086171	L-137.602	33400.89	82668.08	9.462906	633893.8
SDEV	.4398588	.153563	17.363	81.27	584.64	.054876	554.6
%RSD	101.7277	178.2069	12.61795	.2433190	.7072159	.5799014	.0874861
#1	-.023141	-.091557	L-151.258	33423.57	83039.95	9.526247	634288.6
#2	.4656132	-.236970	L-143.486	33468.41	82970.09	9.432724	634132.9
#3	.8546927	.0700137	L-118.062	33310.69	81994.20	9.429746	633259.8
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.099714	1.358311	.4696245	2.406097	1.469973	1.463542	2.015053
SDEV	.190504	1.240336	.0726048	.369556	.469263	1.719626	1.262687
%RSD	17.32302	91.31458	15.46019	15.35914	31.92321	117.4975	62.66273
#1	.9607619	1.203023	.4232635	2.192354	.9641815	-.495931	2.832107
#2	1.021505	.2029317	.5532984	2.193114	1.554529	2.164955	.5607266
#3	1.316875	2.668980	.4323115	2.832823	1.891209	2.721602	2.652325
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3.138402	3.472511	.4675453	1.089120	1.647812	-1.52708	.8719448
SDEV	.934103	1.391678	1.137622	1.608602	2.056934	.75351	1.047093
%RSD	29.76366	40.07698	243.3180	147.6974	124.8281	49.34330	120.0871
#1	2.566999	3.412632	-.260870	-.468215	-.512429	-.728107	.3232549
#2	2.631845	4.893163	-.114948	2.744504	1.872952	-2.22492	.2132254
#3	4.216362	2.111740	1.778454	.9910719	3.582914	-1.62823	2.079354
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.191797	4.576214	4540.200
SDEV	.700764	.287795	6.469
%RSD	365.3674	6.288937	.1424912
#1	.6055008	4.898721	4536.667
#2	-.470832	4.345549	4536.267
#3	-.710060	4.484373	4547.667
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005078-03 OPERATOR:
RUN TIME: 06/11/10 12:46:27
COMMENT: SDG:1005078 CLIENTID:SDZ-WN15 1:20
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4793426	52.35229	1.000686	.7830786	27562.26	.4945003	2.279079
SDEV	.7509146	5.57755	.080490	.1525608	300.28	.3425598	.084226
%RSD	156.6551	10.65388	8.043452	19.48218	1.089448	69.27393	3.695601
#1	.1711938	55.09638	.9481392	.7318898	27261.34	.0994851	2.181839
#2	1.335311	56.02621	1.093350	.9546509	27861.89	.6741357	2.326198
#3	-.068478	45.93431	.9605683	.6626949	27563.54	.7098802	2.329200
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3356573	-.220813	L-173.507	30332.56	72421.47	7.535906	572082.3
SDEV	.3569201	.140854	14.039	48.80	856.50	.093769	773.7
%RSD	106.3347	63.78874	8.091060	.1608942	1.182659	1.244293	.1352389
#1	.6751012	-.156185	L-158.289	30384.99	72066.91	7.543465	572725.1
#2	.3683591	-.382384	L-185.952	30324.24	73398.31	7.625667	572298.2
#3	-.036488	-.123871	L-176.280	30288.45	71799.18	7.438587	571223.6
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.9662030	2.156131	.5407350	2.470143	-.603819	.5980627	1.974161
SDEV	.7905398	2.832081	1.061307	.233372	1.507437	.6873521	1.082701
%RSD	81.81922	131.3501	196.2713	9.447730	249.6503	114.9298	54.84364
#1	1.428276	-.398638	-.066454	2.705431	.4721316	-.029436	3.130389
#2	.0533897	5.201437	1.766210	2.466264	.0431578	.4909363	.9842274
#3	1.416943	1.665593	-.077552	2.238734	-2.32675	1.332688	1.807866
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.9721429	1.214423	-1.51435	.3398241	.7242170	1.063035	2.625492
SDEV	1.256552	6.780957	3.90067	7.603150	3.886459	.866146	3.106389
%RSD	129.2559	558.3688	257.5810	2237.378	536.6429	81.47865	118.3165
#1	1.409680	-4.48836	2.945869	-5.35478	2.626452	.1037275	.7283440
#2	1.951433	8.712326	-4.28769	8.973879	-3.74694	1.297725	6.210404
#3	-.444684	-.580698	-3.20122	-2.59963	3.293141	1.787651	.9377289
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.8226548	-.026912	4357.111
SDEV	1.054901	.443648	26.288
%RSD	128.2313	1648.504	.6033299
#1	-.208569	-.247335	4327.800
#2	1.899738	.4837785	4364.933
#3	.7767953	-.317179	4378.600
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV OPERATOR:
RUN TIME: 06/11/10 12:53:36
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	99.76033	46873.67	982.9749	996.3457	47090.00	959.3071	970.7597
SDEV	3.11880	688.89	9.4064	9.4546	933.35	15.5632	14.0399
%RSD	3.126288	1.469677	.9569293	.9489260	1.982062	1.622337	1.446276
#1	97.40927	47315.64	986.2665	989.2062	46394.55	947.0141	955.6509
#2	98.57339	47225.46	990.2932	992.7628	46724.69	954.1013	973.2238
#3	103.2983	46079.91	972.3651	1007.068	48150.75	976.8059	983.4044
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	935.0664	986.8132	23932.94	51886.59	49156.25	960.2523	49808.88
SDEV	20.0952	12.2451	326.54	1736.19	22.44	14.1980	844.62
%RSD	2.149070	1.240872	1.364412	3.346125	.0456556	1.478572	1.695717
#1	920.1696	976.5534	23705.33	53280.99	49137.88	946.5702	50492.25
#2	927.1075	983.5172	23786.40	52436.82	49149.60	959.2711	50069.80
#3	957.9220	1000.369	24307.08	49941.95	49181.27	974.9154	48864.59
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	959.9627	972.4294	965.2200	1021.911	957.8195	993.6445	993.2507
SDEV	11.1554	8.1854	8.0635	34.177	10.2826	1.3591	5.3748
%RSD	1.162063	.8417485	.8354025	3.344436	1.073539	.1367767	.5411361
#1	952.9485	979.0767	957.0875	998.2011	947.7193	994.2360	988.9356
#2	954.1133	974.9249	965.3599	1006.445	957.4639	992.0899	991.5452
#3	972.8262	963.2867	973.2126	1061.088	968.2752	994.6076	999.2714
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1004.995	958.5100	957.4711	1003.628	988.6576	1009.454	977.8034
SDEV	5.868	4.6128	13.1399	11.560	4.6001	5.511	10.2816
%RSD	.5839068	.4812430	1.372354	1.151819	.4652845	.5459715	1.051496
#1	1011.728	954.4108	944.3745	1016.028	983.3537	1006.044	987.4110
#2	1000.970	957.6141	957.3849	993.1484	991.5589	1006.505	979.0395
#3	1002.286	963.5049	970.6539	1001.708	991.0602	1015.812	966.9597
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1003.047	976.1233	4515.578
SDEV	12.893	2.9463	152.857
%RSD	1.285346	.3018409	3.385104
#1	992.8697	974.7191	4392.267
#2	998.7259	979.5092	4467.866
#3	1017.545	974.1419	4686.600
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB OPERATOR:
RUN TIME: 06/11/10 13:00:45
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1483680	26.18124	.1237452	.3587892	382.1772	.3599121	1.376879
SDEV	.2659480	1.48424	.0385983	.0242566	.5182	.0563363	.182331
%RSD	179.2489	5.669082	31.19176	6.760691	.1355890	15.65279	13.24237
#1	.4451039	24.53514	.1536228	.3594568	382.6437	.4042354	1.196688
#2	.0684775	26.59112	.1374478	.3342056	382.2684	.3789858	1.372672
#3	-.068478	27.41747	.0801651	.3827051	381.6194	.2965150	1.561278
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6488274	-.064628	10.52826	-1431.27	14.27772	.2905615	35.93100
SDEV	.4077359	.116883	7.27834	1.71	.35492	.0919786	71.11356
%RSD	62.84196	180.8538	69.13146	.1192376	2.485800	31.65546	197.9170
#1	1.116464	.0700137	13.74363	-1429.30	13.90849	.3816545	118.0459
#2	.3677237	-.140028	15.64518	-1432.23	14.61634	.1977222	-5.13272
#3	.4622952	-.123871	2.195972	-1432.28	14.30833	.2923079	-5.12014
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.073446	5.135817	.2350186	1.318857	.0352542	1.267158	3.531324
SDEV	.741984	.751583	.2520933	.001716	.6701775	1.084279	1.745060
%RSD	69.12170	14.63415	107.2653	.1301124	1900.987	85.56780	49.41660
#1	.5335516	5.223814	.4358016	1.316960	.6192573	1.233979	4.745415
#2	1.919524	5.839527	-.047899	1.319308	.1829608	.1998492	4.317018
#3	.7672635	4.344109	.3171529	1.320302	-.696455	2.367646	1.531539
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.202164	1.173675	-.535668	.1465232	1.824071	-.375867	-.041074
SDEV	.564627	.767188	.640676	2.447264	.457412	2.686223	.643695
%RSD	25.63965	65.36632	119.6033	1670.224	25.07644	714.6743	1567.168
#1	2.838899	1.965142	-.055226	.5019584	1.596891	2.169499	.3777508
#2	1.762428	1.122563	-.288705	-2.45902	1.524723	-3.18368	.2812876
#3	2.005165	.4333213	-1.26307	2.396634	2.350599	-.113417	-.782260
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.400327	.1935395	4706.844
SDEV	.287889	.0618259	24.459
%RSD	11.99374	31.94483	.5196505
#1	2.726709	.2630034	4734.466
#2	2.291787	.1445419	4698.133
#3	2.182487	.1730731	4687.933
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052619-BLK1 OPERATOR:
RUN TIME: 06/11/10 13:11:58
COMMENT: SDG:1005132 CLIENTID:PBS 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4108651	22.55153	.0756509	.6745537	368.6585	.0453831	.5370901
SDEV	.6172480	6.55666	.0973351	.0765827	1.0415	.1578695	.0782114
%RSD	150.2313	29.07412	128.6634	11.35309	.2825238	347.8593	14.56207
#1	1.095640	18.65244	.1817374	.5935766	368.3323	-.044048	.5796303
#2	.2396713	18.88079	.0547534	.6842698	367.8191	.2276644	.5848111
#3	-.102716	30.12137	-.009538	.7458147	369.8241	-.047467	.4468289
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000
LOW	-5.00000	-200.000	-200.000	-5.00000	-5000.00	-5.00000	-5.00000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.9558638	-.193885	10.29296	-1434.88	3.190928	.1445718	62.03429
SDEV	.4250643	.024680	10.22501	8.91	4.360797	.0535696	135.2796
%RSD	44.46913	12.72934	99.33988	.6207411	136.6623	37.05397	218.0723
#1	1.242117	-.188499	21.58599	-1424.61	8.024890	.2064247	190.0066
#2	1.158026	-.220813	1.662905	-1439.64	1.995077	.1130485	75.62317
#3	.4674489	-.172342	7.629983	-1440.40	-.447183	.1142421	-79.5269
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000
LOW	-5.00000	-5.00000	-100.000	-5000.00	-5000.00	-10.0000	-5000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.7194870	-.345749	.3476121	1.264066	-.276358	.8942416	2.575957
SDEV	.5952476	2.345579	.4535668	.244500	1.029641	.7439883	.441095
%RSD	82.73222	678.4055	130.4807	19.34232	372.5745	83.19769	17.12356
#1	1.311219	2.050945	.8492821	1.546389	.0724144	1.470664	2.082203
#2	.1207847	-2.63663	-.033485	1.122683	-1.43509	.0543770	2.714571
#3	.7264577	-.451560	.2270395	1.123125	.5335969	1.157684	2.931095
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000
LOW	-40.0000	-10.0000	-20.0000	-20.0000	-3.00000	-5.00000	-10.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.679351	-.664051	-.085483	-3.91217	3.291164	.4031785	1.237227
SDEV	1.824083	.961132	1.362301	2.07978	.105426	2.843251	2.608059
%RSD	108.6183	144.7377	1593.646	53.16167	3.203309	705.2089	210.7988
#1	3.772774	-1.40946	.8095938	-2.42326	3.412058	2.959599	4.043170
#2	.8338005	-1.00342	-1.65329	-6.28844	3.218342	-2.65902	.7813487
#3	.4314796	.4207272	.5872421	-3.02481	3.243092	.9089548	-1.11284
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	10.00000					100.0000	50.00000
LOW	-10.0000					-100.000	-50.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.5702825	.1243950	4502.555
SDEV	.5902884	.1390147	49.813
%RSD	103.5081	111.7527	1.106330
#1	1.193205	.2435538	4558.133
#2	.4984387	.1579605	4487.600
#3	.0192041	-.028329	4461.933
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	5.000000	40.00000	
LOW	-5.00000	-40.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052619-BS1 OPERATOR:
RUN TIME: 06/11/10 13:19:06
COMMENT: SDG:1005132 CLIENTID:LCSS 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	764.6770	78468.20	1456.071	1283.391	37942.18	2018.358	614.0283
SDEV	10.6187	151.76	16.130	16.792	494.95	19.643	5.4156
%RSD	1.388648	.1933999	1.107762	1.308406	1.304486	.9732205	.8819862
#1	776.7405	78411.92	1437.446	1302.634	38500.26	2034.602	618.2333
#2	756.7451	78352.62	1465.399	1271.706	37556.44	1996.526	607.9174
#3	760.5455	78640.05	1465.368	1275.833	37769.84	2023.944	615.9342
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1110.000	108000.0	1840.000	1690.000	52200.00	2770.000	811.0000
LOW	490.0000	43900.00	1280.000	1170.000	34200.00	1880.000	561.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	597.7969	1336.640	155901.8	26554.20	19761.64	2823.817	3920.238
SDEV	3.6580	7.507	1019.0	308.52	124.89	17.771	204.908
%RSD	.6119192	.5616048	.6536346	1.161833	.6319567	.6293122	5.226930
#1	595.9371	1344.934	156146.2	26208.50	19683.87	2835.903	4093.291
#2	595.4426	1330.312	154782.7	26652.54	19695.36	2803.413	3693.973
#3	602.0112	1334.674	156776.3	26801.55	19905.69	2832.134	3973.451
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	738.0000	1540.000	214000.0	30600.00	27300.00	3650.000	6580.000
LOW	477.0000	1080.000	74200.00	17000.00	17100.00	2430.000	2540.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	443.8936	1347.146	729.2440	1023.536	645.5066	681.0490	778.5426
SDEV	4.9065	9.609	4.4753	17.647	6.9370	3.8274	3.4650
%RSD	1.105333	.7132813	.6136919	1.724108	1.074663	.5619902	.4450616
#1	448.7620	1348.644	732.4460	1041.409	638.6358	676.6414	776.7549
#2	438.9499	1336.876	724.1303	1006.125	652.5080	683.5342	776.3365
#3	443.9690	1355.918	731.1555	1023.074	645.3760	682.9714	782.5363
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	588.0000	1970.000	930.0000	1410.000	918.0000	1030.000	1730.000
LOW	404.0000	1190.000	517.0000	905.0000	619.0000	626.0000	30.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	714.5417	625.7889	655.3480	659.4512	691.8287	1596.978	-1.16248
SDEV	4.9606	9.5135	15.0880	9.8692	9.9980	17.059	3.62288
%RSD	.6942349	1.520236	2.302285	1.496571	1.445151	1.068224	311.6515
#1	719.6230	633.9368	640.9789	667.4960	681.2043	1607.178	2.676131
#2	709.7113	615.3342	671.0645	648.4387	701.0525	1577.284	-4.52194
#3	714.2909	628.0958	654.0005	662.4189	693.2291	1606.472	-1.64162
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	NOCHECK
HIGH	973.0000					2280.000	
LOW	645.0000					1220.000	

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	576.9078	3420.810	4734.533
SDEV	6.3301	31.034	61.324
%RSD	1.097243	.9072162	1.295257
#1	577.3986	3455.389	4802.933
#2	570.3466	3411.664	4716.200
#3	582.9782	3395.376	4684.466
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	705.0000	4510.000	
LOW	463.0000	1110.000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005132-01 OPERATOR:
RUN TIME: 06/11/10 13:26:14
COMMENT: SDG:1005132 CLIENTID:SB85-1.5-2.5 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2853230	50447.83	49.75333	1.027944	604.6298	.8355620	3.124728
SDEV	.2767486	511.50	.15787	.245144	3.6290	.1250909	.319346
%RSD	96.99484	1.013922	.3173002	23.84801	.6002057	14.97087	10.21995
#1	.5820589	50337.64	49.88504	1.277414	603.1782	.9490528	3.378381
#2	.0342388	51005.44	49.79660	.7873681	608.7599	.7014370	2.766111
#3	.2396713	50000.40	49.57834	1.019049	601.9512	.8561962	3.229691
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	50.42947	7.593812	7299.275	1297.905	1178.461	62.79900	441.7452
SDEV	.65967	.451339	8.815	4.786	6.731	.33586	36.2779
%RSD	1.308096	5.943509	.1207617	.3687221	.5712097	.5348123	8.212400
#1	51.18367	7.502255	7297.433	1300.731	1184.476	62.44151	459.3297
#2	50.14479	8.083910	7308.865	1300.603	1179.719	63.10794	400.0261
#3	49.95995	7.195271	7291.527	1292.379	1171.190	62.84753	465.8796
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	7.748769	.0330205	55.95213	16.34109	26.13706	3.183060	12.33562
SDEV	.401868	2.565280	.54626	.24081	.94816	1.563149	.67264
%RSD	5.186212	7768.752	.9762955	1.473646	3.627637	49.10838	5.452835
#1	8.203150	-2.59744	56.25679	16.14863	27.23078	1.655940	13.03889
#2	7.603136	.1687770	56.27811	16.26351	25.63304	4.779905	11.69849
#3	7.440023	2.527727	55.32149	16.61112	25.54736	3.113335	12.26949
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.8561477	31.48020	23.46645	-17.7838	13.64805	18.66212	-.513503
SDEV	1.597057	2.66233	.09592	1.9768	2.88639	.95203	1.317286
%RSD	186.5398	8.457144	.4087692	11.11597	21.14871	5.101390	256.5294
#1	1.083285	34.55333	23.57193	-18.1188	11.52574	17.65752	.4667219
#2	-.842317	30.01365	23.44298	-19.5717	16.93475	18.77782	-2.01089
#3	2.327475	29.87363	23.38444	-15.6608	12.48366	19.55100	.0036641
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	7.373300	1003.165	4454.600
SDEV	.958928	13.040	28.047
%RSD	13.00540	1.299888	.6296104
#1	7.627145	999.0829	4425.667
#2	8.179766	1017.758	4456.466
#3	6.312989	992.6544	4481.667
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052619-DUP1 OPERATOR:
RUN TIME: 06/11/10 13:33:22
COMMENT: SDG:1005132 CLIENTID:SB85-1.5-2.5D 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2282584	46813.28	50.02202	1.077822	611.1262	.9331171	3.032454
SDEV	.2850947	217.25	1.05199	.173210	2.0196	.2599994	.143023
%RSD	124.9000	.4640847	2.103052	16.07037	.3304768	27.86354	4.716406
#1	.5478201	46719.20	50.94578	1.234922	609.3732	.8122246	3.197311
#2	.1369550	46658.92	48.87700	.8920739	610.6705	.7555749	2.958521
#3	.0000000	47061.71	50.24327	1.106471	613.3347	1.231552	2.941529
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	46.92178	9.995826	7127.110	1168.668	1150.067	64.05687	407.0534
SDEV	.69565	.097390	76.651	12.745	9.532	.69899	68.4823
%RSD	1.482569	.9743040	1.075489	1.090585	.8288310	1.091209	16.82391
#1	46.22459	10.00660	7060.597	1168.718	1146.617	63.24995	454.5914
#2	47.61588	9.893498	7109.796	1155.898	1142.739	64.47633	438.0104
#3	46.92487	10.08738	7210.938	1181.388	1160.843	64.44432	328.5585
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	7.938744	-4.78240	55.78483	16.36978	27.85064	1.840749	12.24944
SDEV	.451001	2.29860	.86828	.42561	.58064	2.552256	.98031
%RSD	5.681009	48.06376	1.556477	2.599946	2.084836	138.6531	8.002912
#1	7.429531	-6.85765	54.92558	16.19323	27.84333	-.877933	11.19224
#2	8.098862	-5.17779	55.76704	16.06086	28.43491	2.214907	13.12841
#3	8.287840	-2.31175	56.66186	16.85525	27.27370	4.185274	12.42767
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.440912	34.55700	24.49942	-19.6063	12.54547	16.28431	-.590633
SDEV	1.831311	1.74510	.81638	3.7669	2.62860	1.65568	1.453007
%RSD	75.02572	5.049905	3.332238	19.21284	20.95256	10.16731	246.0082
#1	2.528529	36.21316	23.66160	-23.7925	10.55944	16.21388	-2.24895
#2	.5673643	34.72300	25.29252	-16.4902	11.55071	17.97407	.4592583
#3	4.226842	32.73484	24.54414	-18.5363	15.52627	14.66497	.0177891
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	5.545414	1048.599	4425.088
SDEV	.690639	10.021	22.386
%RSD	12.45424	.9556801	.5058937
#1	6.301664	1056.522	4411.733
#2	5.386485	1037.333	4450.933
#3	4.948094	1051.940	4412.600
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052619-MS1 OPERATOR:
RUN TIME: 06/11/10 13:40:30
COMMENT: SDG:1005132 CLIENTID:SB85-1.5-2.5S 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	45.93700	73943.55	2041.562	50.04495	676.4158	47.96555	483.6564
SDEV	.13837	336.18	13.993	.29660	.4881	.29106	2.1148
%RSD	.3012243	.4546378	.6854248	.5926714	.0721632	.6068132	.4372459
#1	45.77722	74050.19	2043.638	50.28375	676.7340	48.26573	484.5184
#2	46.01689	73566.99	2054.402	49.71294	675.8538	47.94636	481.2467
#3	46.01689	74213.48	2026.647	50.13817	676.6595	47.68456	485.2040
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	252.1235	255.9276	10672.14	2164.200	1669.413	542.4842	525.1209
SDEV	1.6568	1.5320	30.55	12.195	8.906	2.8048	63.8035
%RSD	.6571237	.5985922	.2862959	.5634721	.5334713	.5170214	12.15025
#1	252.8012	254.2527	10682.84	2176.934	1673.059	543.4049	594.7426
#2	250.2354	256.2723	10637.67	2152.627	1659.263	539.3348	511.1786
#3	253.3341	257.2579	10695.90	2163.040	1675.917	544.7128	469.4414
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	477.7660	43.45468	553.6233	475.0767	44.01078	12.62429	357.3055
SDEV	1.3817	2.18994	5.0029	1.9160	.93014	.71236	1.0931
%RSD	.2892009	5.039603	.9036683	.4032981	2.113442	5.642750	.3059343
#1	479.3573	45.10759	551.8731	475.3923	43.25077	13.13833	358.5381
#2	477.0705	44.28556	549.7306	473.0225	43.73356	11.81114	356.4539
#3	476.8702	40.97089	559.2662	476.8152	45.04802	12.92338	356.9245
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	35.88098	49.99727	41.01863	-10.3202	24.07661	955.3762	943.9103
SDEV	.93121	1.70818	.54346	7.1258	2.63669	5.8898	3.8627
%RSD	2.595278	3.416538	1.324913	69.04694	10.95125	.6164852	.4092273
#1	36.23832	48.54704	40.60318	-8.47841	23.92773	961.3888	946.1035
#2	34.82402	49.56461	40.81903	-18.1862	26.78458	949.6175	939.4503
#3	36.58059	51.88018	41.63366	-4.29617	21.51751	955.1224	946.1773
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	986.3782	1799.178	4400.355
SDEV	3.0133	16.274	30.693
%RSD	.3054936	.9045328	.6975142
#1	986.4633	1796.322	4367.066
#2	989.3481	1784.520	4427.533
#3	983.3232	1816.691	4406.466
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052619-MSD1 OPERATOR:
RUN TIME: 06/11/10 13:47:39
COMMENT: SDG:1005132 CLIENTID:SB85-1.5-2.5SD 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	45.85711	68778.24	2012.926	49.49414	573.8360	48.03991	482.5443
SDEV	.69272	905.65	34.102	.43768	2.1623	.25059	3.0788
%RSD	1.510599	1.316762	1.694139	.8842968	.3768170	.5216237	.6380289
#1	45.05821	69810.89	2044.435	49.98680	571.6183	47.98522	485.9347
#2	46.22232	68119.02	1976.719	49.15021	573.9514	47.82118	481.7754
#3	46.29080	68404.80	2017.623	49.34541	575.9384	48.31332	479.9228
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	253.2523	251.7752	10267.45	1984.311	1566.005	541.4554	367.0397
SDEV	.6755	.4387	29.14	61.464	10.024	1.8450	49.6439
%RSD	.2667189	.1742505	.2838096	3.097506	.6401043	.3407458	13.52548
#1	252.5030	251.8291	10288.26	2055.273	1575.555	542.8094	400.7837
#2	253.8144	251.3121	10234.15	1949.906	1555.566	539.3540	310.0364
#3	253.4395	252.1846	10279.93	1947.753	1566.893	542.2028	390.2989
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	475.2339	37.85423	545.6666	472.7493	45.62495	11.17780	360.9124
SDEV	4.3693	2.52445	2.3677	2.5926	.65981	.71935	4.2685
%RSD	.9194049	6.668878	.4339023	.5484043	1.446154	6.435502	1.182689
#1	476.8688	38.20288	548.2208	471.2224	46.05064	11.98419	365.5117
#2	470.2829	35.17357	545.2340	471.2826	44.86490	10.60209	357.0782
#3	478.5500	40.18623	543.5451	475.7427	45.95932	10.94714	360.1474
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	35.95675	51.29232	42.79212	-9.29536	21.39630	945.2283	933.4174
SDEV	1.18787	1.25374	.56441	1.46821	1.34823	6.6402	9.8922
%RSD	3.303616	2.444301	1.318950	15.79514	6.301223	.7024953	1.059781
#1	37.20474	51.34546	43.40375	-9.82305	22.86868	947.3920	943.0208
#2	34.83987	50.01285	42.29140	-10.4268	21.09804	937.7761	923.2597
#3	35.82564	52.51864	42.68121	-7.63623	20.22217	950.5167	933.9716
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	980.6586	1801.164	4403.777
SDEV	4.9615	2.254	58.550
%RSD	.5059352	.1251261	1.329550
#1	979.5645	1799.098	4336.533
#2	976.3355	1800.826	4431.333
#3	986.0759	1803.567	4443.466
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: SDI1005132-01 OPERATOR:
RUN TIME: 06/11/10 13:54:47
COMMENT: SDG:1005132 CLIENTID:SB85-1.5-2.5L 1:5
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3309747	10441.24	9.781719	.5669050	419.4008	.0515614	.7244618
SDEV	.0861656	95.28	.116411	.0484846	.4979	.2646262	.4070801
%RSD	26.03391	.9124954	1.190090	8.552517	.1187230	513.2249	56.19069
#1	.3423876	10374.63	9.892461	.5555081	419.1638	.2727210	.5066714
#2	.4108651	10550.37	9.792332	.6200728	419.9729	-.241620	1.194106
#3	.2396713	10398.71	9.660365	.5251340	419.0656	.1235833	.4726083
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	10.97386	3.387594	1514.035	-874.596	260.2791	13.05238	118.2357
SDEV	.18366	.323679	14.357	2.842	3.0450	.16979	66.8538
%RSD	1.673637	9.554830	.9482796	.3249195	1.169900	1.300848	56.54278
#1	11.16850	3.139853	1515.476	-872.567	263.6146	12.94106	194.2688
#2	10.94949	3.269109	1527.617	-873.376	259.5744	13.24781	68.65827
#3	10.80361	3.753820	1499.011	-877.844	257.6482	12.96828	91.78013
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.281050	1.538640	11.61206	4.182891	6.147445	1.617922	3.108334
SDEV	.555271	1.274504	.49600	.108133	1.139286	.624752	.861934
%RSD	24.34277	82.83318	4.271460	2.585131	18.53268	38.61446	27.72978
#1	2.188427	1.930205	12.17137	4.305071	6.927181	.9250709	2.130030
#2	2.876808	.1142936	11.22564	4.144089	4.839981	2.138367	3.755982
#3	1.777915	2.571421	11.43917	4.099513	6.675172	1.790327	3.438990
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.628756	7.601972	5.418631	-4.14825	4.494048	3.026207	.1642790
SDEV	1.033689	1.438729	1.301596	1.46853	1.338081	2.478940	.7045401
%RSD	63.46494	18.92574	24.02076	35.40128	29.77452	81.91573	428.8681
#1	.8265477	7.356169	6.710384	-4.15711	3.459724	1.615613	.8501351
#2	1.264446	6.301980	4.107410	-5.61233	6.005238	1.574467	-.557566
#3	2.795275	9.147768	5.438097	-2.67530	4.017182	5.888542	.2002674
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.582982	202.3958	4570.533
SDEV	.832474	2.2729	39.246
%RSD	52.58896	1.122998	.8586658
#1	2.474936	201.4054	4597.667
#2	1.447368	204.9958	4525.533
#3	.8266408	200.7861	4588.400
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052619-PS1 OPERATOR:
RUN TIME: 06/11/10 14:01:55
COMMENT: SDG:1005132 CLIENTID:SB85-1.5-2.5A 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	13.98083	51071.72	348.8326	8.569596	614.4115	8.341044	78.32953
SDEV	.46233	364.72	3.4682	.175987	7.8390	.118594	1.85522
%RSD	3.306877	.7141247	.9942395	2.053626	1.275861	1.421817	2.368485
#1	13.52431	51472.64	352.8373	8.705284	605.9622	8.205004	76.42478
#2	14.44876	50759.61	346.8234	8.370744	621.4481	8.395485	78.43289
#3	13.96941	50982.91	346.8369	8.632760	615.8242	8.422644	80.13090
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	66.25549	52.53194	7567.552	1280.815	1190.480	86.56367	417.7677
SDEV	2.40455	1.08397	130.119	66.946	5.259	1.33484	26.2590
%RSD	3.629212	2.063444	1.719432	5.226837	.4417681	1.542030	6.285552
#1	63.66972	51.30401	7421.132	1352.934	1185.023	85.15645	404.6774
#2	68.42429	53.35595	7669.949	1220.654	1195.516	87.81188	447.9987
#3	66.67248	52.93587	7611.574	1268.856	1190.901	86.72266	400.6270
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	67.06089	9.036675	133.0602	46.82620	30.02864	10.05440	94.62142
SDEV	1.78908	2.130753	.9583	2.47432	1.05043	.70671	3.45456
%RSD	2.667840	23.57895	.7202235	5.284053	3.498092	7.028907	3.650928
#1	65.00507	8.113480	132.2264	43.97262	29.14871	10.80987	90.83242
#2	67.91267	11.47334	134.1072	48.37581	29.74562	9.943881	95.43584
#3	68.26492	7.523204	132.8471	48.13017	31.19158	9.409464	97.59601
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	15.90356	33.13559	28.47447	-17.8017	23.95887	16.54485	-1.19736
SDEV	1.64439	1.44515	2.08796	.8752	1.28566	.81402	1.02298
%RSD	10.33973	4.361316	7.332759	4.916668	5.366127	4.920054	85.43622
#1	14.00525	32.93888	27.25337	-17.7891	25.08517	15.62684	-1.79891
#2	16.81650	34.66901	27.28466	-18.6831	24.23329	16.82899	-.016193
#3	16.88893	31.79887	30.88537	-16.9328	22.55815	17.17870	-1.77696
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	7.139598	1018.853	4494.844
SDEV	.435779	4.151	94.849
%RSD	6.103688	.4073839	2.110173
#1	7.438541	1022.181	4395.466
#2	7.340665	1014.202	4584.400
#3	6.639587	1020.177	4504.667
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005132-02 OPERATOR:
RUN TIME: 06/11/10 14:09:03
COMMENT: SDG:1005132 CLIENTID:SB78-3.5-4.5 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.136955	131438.4	143.2216	2.385634	1239.947	3.998475	-.534071
SDEV	.171194	859.8	1.3371	.449218	30.652	.363830	.530958
%RSD	125.0000	.6541103	.9335886	18.83012	2.472056	9.099208	99.41705
#1	-.136955	131795.0	144.6920	2.896308	1206.078	4.373570	-.827488
#2	.0342388	130457.7	142.8944	2.209073	1247.983	3.974787	-.853567
#3	-.308149	132062.4	142.0785	2.051522	1265.781	3.647069	.0788412
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	184.8572	11.07835	83649.30	6842.796	5130.193	89.89091	523.7581
SDEV	4.9579	.83710	1384.86	190.615	51.615	1.34295	82.0179
%RSD	2.681998	7.556225	1.655550	2.785636	1.006111	1.493980	15.65951
#1	179.4426	10.13585	82229.91	7062.343	5078.453	88.41283	447.8733
#2	185.9547	11.36379	83721.16	6746.569	5130.444	90.22375	512.6284
#3	189.1744	11.73540	84996.82	6719.476	5181.683	91.03614	610.7725
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	18.10890	3.653768	233.6686	51.55130	57.15011	3.928727	7.577508
SDEV	.85925	5.072633	5.3867	3.35746	2.12750	2.168136	5.760986
%RSD	4.744878	138.8330	2.305271	6.512847	3.722661	55.18673	76.02745
#1	17.24986	9.211075	228.2508	47.73255	57.23096	1.929468	1.485208
#2	18.10849	-.727653	233.7312	52.88155	54.98333	3.623352	12.93707
#3	18.96835	2.477882	239.0237	54.03980	59.23604	6.233361	8.310247
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	15.17735	54.62999	58.40496	-9.81567	10.78787	20.52097	.4816663
SDEV	5.44811	3.58717	1.67393	3.00062	3.11350	1.53008	.3344927
%RSD	35.89628	6.566307	2.866078	30.56971	28.86113	7.456163	69.44492
#1	8.893585	56.31931	57.68292	-8.72540	7.246098	20.53667	.8620542
#2	18.57915	50.51005	57.21323	-13.2090	12.02419	18.98311	.3494739
#3	18.05933	57.06061	60.31873	-7.51261	13.09333	22.04314	.2334708
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	10.82402	1034.566	4397.733
SDEV	.99728	18.688	95.606
%RSD	9.213602	1.806389	2.173994
#1	11.32544	1013.264	4287.600
#2	9.675529	1042.227	4446.200
#3	11.47109	1048.206	4459.400
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV OPERATOR:
RUN TIME: 06/11/10 14:16:12
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	101.3696	46975.37	960.5209	998.0891	47894.27	960.7026	982.9475
SDEV	.4113	258.65	11.9561	1.6373	56.23	6.0712	3.1322
%RSD	.4057837	.5506145	1.244751	.1640391	.1174029	.6319542	.3186514
#1	101.3467	46823.99	957.4420	996.6041	47925.88	964.3896	986.5073
#2	100.9701	47274.03	950.4055	997.8185	47829.35	953.6954	981.7212
#3	101.7918	46828.09	973.7154	999.8448	47927.58	964.0230	980.6141
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	942.5823	995.7857	24089.39	51401.16	49492.39	966.5615	49923.75
SDEV	10.6244	.8584	146.11	136.45	367.59	8.5613	149.99
%RSD	1.127153	.0861988	.6065246	.2654628	.7427219	.8857502	.3004372
#1	954.4352	994.7947	24257.79	51547.77	49916.09	976.1352	49985.05
#2	939.3962	996.2650	23996.27	51377.84	49302.44	963.9090	49752.82
#3	933.9156	996.2974	24014.12	51277.88	49258.63	959.6404	50033.38
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	962.1306	973.9319	971.5403	1041.927	962.9858	983.3733	985.3250
SDEV	4.3907	3.2591	13.3402	4.756	6.1111	5.3238	10.8299
%RSD	.4563491	.3346376	1.373095	.4564516	.6346021	.5413825	1.099122
#1	964.3063	975.8651	979.1540	1047.212	969.9370	986.3663	979.2719
#2	957.0770	970.1690	979.3301	1037.992	960.5618	986.5269	978.8749
#3	965.0087	975.7615	956.1367	1040.578	958.4585	977.2266	997.8283
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1005.690	950.9020	969.0159	989.6269	980.2486	1014.634	978.2808
SDEV	1.560	1.9420	9.1645	2.3093	8.3017	3.578	6.5017
%RSD	.1551170	.2042246	.9457535	.2333481	.8468969	.3526417	.6646046
#1	1007.411	951.3989	979.1896	991.6299	983.7360	1015.473	979.5902
#2	1005.289	948.7599	966.4512	987.1011	986.2378	1017.717	971.2240
#3	1004.370	952.5473	961.4070	990.1499	970.7721	1010.711	984.0281
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1002.797	975.8933	4578.400
SDEV	6.366	2.4244	10.629
%RSD	.6347855	.2484301	.2321562
#1	1005.809	975.9139	4566.733
#2	995.4843	973.4586	4580.933
#3	1007.098	978.3073	4587.533
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB OPERATOR:
RUN TIME: 06/11/10 14:23:22
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2739101	20.26405	.1443691	.4058416	377.5014	.5981876	1.609125
SDEV	.2802563	1.95449	.1380601	.1470063	1.0896	.0253119	.307112
%RSD	102.3169	9.645091	95.62995	36.22258	.2886352	4.231430	19.08568
#1	.5135814	21.71204	.3018058	.5748540	378.7386	.6003347	1.866627
#2	.3423876	21.03922	.0439515	.3350088	376.6848	.6223575	1.691531
#3	-.034239	18.04089	.0873500	.3076620	377.0808	.5718705	1.269216
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.9672880	-.183113	9.862811	-1423.57	13.96323	.3239278	113.6425
SDEV	.2391719	.074626	3.853845	14.73	5.87974	.1091675	164.6777
%RSD	24.72603	40.75409	39.07451	1.034669	42.10877	33.70120	144.9085
#1	1.220740	-.140028	5.988086	-1406.57	20.74194	.3872375	303.7959
#2	.9355611	-.140028	13.69543	-1432.44	10.90273	.3866734	18.60496
#3	.7455630	-.269284	9.904919	-1431.70	10.24501	.1978724	18.52665
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.5166657	3.219406	.1572061	1.182252	2.177462	2.821946	3.862913
SDEV	.4378304	2.491718	.2563498	.239374	.394976	1.780228	2.370356
%RSD	84.74152	77.39682	163.0661	20.24733	18.13927	63.08514	61.36187
#1	.0154320	6.058234	.4442597	.9058470	2.527851	4.052239	5.322894
#2	.7101070	2.205513	.0762526	1.321114	1.749431	3.632982	5.137899
#3	.8244580	1.394470	-.048894	1.319795	2.255104	.7806166	1.127947
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.506266	3.950809	1.289542	4.293673	2.084610	1.367196	2.030495
SDEV	.840969	4.065301	1.470469	4.218480	2.500372	2.174605	3.593954
%RSD	55.83138	102.8979	114.0304	98.24874	119.9444	159.0559	176.9989
#1	2.343000	8.254039	-.333532	9.110077	1.524531	3.751651	6.163879
#2	1.514672	.1748995	2.532939	1.255180	4.817524	.8566474	.2845223
#3	.6611254	3.423489	1.669218	2.515764	-.088226	-.506712	-.356916
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.375590	.2152233	4685.955
SDEV	1.569850	.0806648	10.886
%RSD	114.1220	37.47957	.2323193
#1	2.885292	.2405460	4675.466
#2	1.489661	.2801885	4685.200
#3	-.248185	.1249355	4697.200
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005132-03 OPERATOR:
RUN TIME: 06/11/10 14:30:31
COMMENT: SDG:1005132 CLIENTID:SB77-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.136955	33007.06	84.96268	1.205574	4999.071	1.361397	1.888888
SDEV	.224519	402.22	1.95901	.268345	28.791	.300519	.289700
%RSD	163.9360	1.218574	2.305735	22.25865	.5759279	22.07432	15.33706
#1	-.342388	32793.64	83.31660	.9138789	4965.843	1.014963	1.683524
#2	-.171194	32756.54	84.44202	1.260901	5014.746	1.517313	1.762887
#3	.1027163	33471.01	87.12943	1.441944	5016.623	1.551915	2.220251
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	36.47716	15.39766	14884.18	-230.813	1176.843	124.6876	419.3355
SDEV	.87713	.19411	164.63	20.332	16.769	1.7665	15.2567
%RSD	2.404608	1.260634	1.106053	8.808810	1.424950	1.416771	3.638297
#1	35.48473	15.59693	14699.91	-243.320	1158.343	122.8001	416.0310
#2	36.79826	15.38689	14935.85	-241.766	1181.142	124.9614	435.9736
#3	37.14849	15.20917	15016.76	-207.353	1191.045	126.3012	406.0018
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	11.16323	-5.71625	48.16831	52.38630	47.20152	3.171869	14.63202
SDEV	.78581	.91198	.11882	.91309	.83558	2.147893	1.79188
%RSD	7.039280	15.95410	.2466836	1.743003	1.770236	67.71695	12.24629
#1	10.93890	-5.90136	48.06677	51.63584	46.52077	3.997358	12.56519
#2	12.03681	-6.52147	48.13917	53.40290	48.13403	4.784556	15.58178
#3	10.51398	-4.72592	48.29900	52.12017	46.94976	.7336939	15.74909
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	10.11707	51.03422	45.28499	-19.7399	14.60787	17.12543	-1.18477
SDEV	.30676	1.45717	1.03578	5.1992	1.10442	2.70810	.36019
%RSD	3.032132	2.855278	2.287259	26.33843	7.560417	15.81334	30.40175
#1	9.846567	51.35187	44.10584	-19.6021	15.77674	14.29275	-1.32986
#2	10.45037	52.30637	46.04794	-14.6110	14.46508	19.68884	-1.44979
#3	10.05428	49.44443	45.70119	-25.0066	13.58180	17.39470	-.774664
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	3.342427	674.9955	4459.088
SDEV	.636317	3.3911	78.034
%RSD	19.03756	.5023828	1.749988
#1	4.076205	675.8464	4537.066
#2	2.942743	671.2601	4459.200
#3	3.008332	677.8801	4380.999
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005132-04 OPERATOR:
RUN TIME: 06/11/10 14:37:39
COMMENT: SDG:1005132 CLIENTID:SB77-3.5-4.5 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2967359	41264.40	86.60052	1.490998	4398.099	1.472776	2.801730
SDEV	.3087822	692.91	1.05165	.118545	78.692	.222744	.371286
%RSD	104.0596	1.679208	1.214370	7.950693	1.789219	15.12412	13.25204
#1	.6162977	40475.27	85.40434	1.620255	4307.254	1.498858	2.395536
#2	.2739101	41773.38	87.01742	1.387353	4445.200	1.238138	3.123606
#3	.0000000	41544.54	87.37980	1.465387	4441.843	1.681330	2.886048
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	51.62759	12.42477	19805.09	177.5244	1524.398	82.53828	516.2901
SDEV	.74818	.54704	369.94	9.9502	25.365	1.73449	76.6935
%RSD	1.449182	4.402802	1.867919	5.604985	1.663967	2.101438	14.85472
#1	50.76895	11.92929	19378.18	166.2687	1495.576	80.56581	602.5308
#2	52.13957	13.01181	20031.53	181.1551	1543.324	83.22369	455.7401
#3	51.97423	12.33321	20005.56	185.1494	1534.295	83.82533	490.5994
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	12.35980	-6.43413	68.55760	23.72889	43.58158	1.881386	11.12535
SDEV	.19839	4.04160	1.24601	.41096	.93856	1.186856	2.14518
%RSD	1.605132	62.81496	1.817471	1.731900	2.153580	63.08412	19.28191
#1	12.34538	-3.86235	67.14362	23.35132	43.27191	.6053740	9.694187
#2	12.56501	L-11.0925	69.49493	24.16661	42.83698	2.086411	13.59182
#3	12.16902	-4.34749	69.03425	23.66873	44.63585	2.952372	10.09003
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	5.347872	50.12444	40.31208	-19.6724	12.63947	18.76081	.6755303
SDEV	2.933303	1.19981	1.98604	.4350	1.98269	2.01205	1.013979
%RSD	54.84992	2.393669	4.926658	2.211134	15.68654	10.72476	150.1011
#1	6.128807	50.90636	39.45743	-19.1701	10.47565	16.79776	-.451073
#2	2.103132	50.72395	38.89645	-19.9264	13.07370	20.81852	1.514924
#3	7.811678	48.74303	42.58238	-19.9205	14.36905	18.66616	.9627406
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.846008	819.3895	4581.622
SDEV	.316714	20.0797	11.773
%RSD	11.12836	2.450565	.2569610
#1	2.734792	796.2618	4570.866
#2	3.203330	832.3768	4579.800
#3	2.599903	829.5297	4594.200
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005132-05 OPERATOR:
RUN TIME: 06/11/10 14:44:47
COMMENT: SDG:1005132 CLIENTID:SB79-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3309747	15790.90	52.44135	1.086059	1680.967	.6839283	1.660840
SDEV	.1100622	217.03	.52629	.286199	21.630	.2761626	.122414
%RSD	33.25397	1.374426	1.003585	26.35212	1.286783	40.37888	7.370577
#1	.4108651	15540.31	52.91396	1.415958	1656.206	.6644469	1.787708
#2	.2054325	15913.95	51.87419	.9379806	1696.185	.9693156	1.651382
#3	.3766263	15918.45	52.53590	.9042367	1690.509	.4180222	1.543430
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	21.67209	13.69579	4953.108	-583.215	460.9406	82.45312	473.6969
SDEV	.59761	.35114	64.325	4.283	4.5768	1.44417	24.2134
%RSD	2.757510	2.563888	1.298677	.7343600	.9929166	1.751507	5.111573
#1	21.06192	13.75503	4880.711	-578.716	456.0031	80.78598	501.3087
#2	22.25630	14.01355	4974.928	-587.242	461.7776	83.25315	463.6965
#3	21.69806	13.31879	5003.685	-583.686	465.0410	83.32022	456.0856
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	6.748596	-7.34153	24.49998	32.43129	33.25310	2.173060	11.91373
SDEV	.430431	1.17035	.70897	.86412	1.35844	.935789	.39802
%RSD	6.378086	15.94152	2.893741	2.664451	4.085157	43.06318	3.340878
#1	6.287838	-5.99012	23.72550	32.97669	31.68547	1.994483	12.02120
#2	7.140367	-8.01743	24.65753	31.43499	34.08455	3.185269	12.24698
#3	6.817583	-8.01703	25.11693	32.88219	33.98928	1.339427	11.47301
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.605649	40.85908	29.45276	-21.3533	13.91587	16.83101	.3115811
SDEV	.880404	1.13425	2.59004	1.4632	.69174	1.69311	.2591659
%RSD	54.83163	2.776011	8.793885	6.852241	4.970872	10.05946	83.17767
#1	.7697080	42.11905	26.47344	-21.8948	13.91850	18.22271	.4632150
#2	2.524631	39.91945	31.16842	-19.6965	14.60630	14.94604	.0123311
#3	1.522609	40.53874	30.71640	-22.4685	13.22283	17.32427	.4591972
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.286104	667.6149	4441.200
SDEV	.989965	7.5632	7.866
%RSD	76.97395	1.132862	.1771145
#1	2.347159	661.4695	4436.200
#2	1.123883	676.0613	4437.133
#3	.3872682	665.3138	4450.267
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005132-06 OPERATOR:
RUN TIME: 06/11/10 14:51:56
COMMENT: SDG:1005132 CLIENTID:SB79-11-12 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1369550	71576.38	100.7388	1.727503	1184.790	1.613271	3.003060
SDEV	.0342388	808.44	.7326	.193082	12.977	.353193	.425799
%RSD	25.00000	1.129480	.7272409	11.17697	1.095277	21.89296	14.17885
#1	.1027163	70705.54	100.0363	1.516938	1170.857	1.224035	2.512026
#2	.1369550	71720.57	100.6818	1.769320	1186.980	1.913324	3.226917
#3	.1711938	72303.02	101.4982	1.896250	1196.532	1.702453	3.270237
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	95.39500	11.63846	23206.56	5038.626	2572.083	64.36341	510.0690
SDEV	2.24674	.28031	504.27	72.861	45.953	1.30620	51.2976
%RSD	2.355193	2.408512	2.172943	1.446042	1.786603	2.029420	10.05700
#1	92.81163	11.88082	22642.62	4956.817	2521.470	62.92310	529.3721
#2	96.48058	11.70309	23362.98	5062.524	2583.591	64.69589	451.9201
#3	96.89278	11.33148	23614.08	5096.536	2611.188	65.47124	548.9147
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	13.01756	-2.44123	175.3569	41.70364	35.97793	1.449840	11.74268
SDEV	.58037	1.66196	4.8917	1.41959	.90779	.769670	1.65895
%RSD	4.458374	68.07885	2.789544	3.403988	2.523193	53.08651	14.12749
#1	13.35822	-3.80056	170.5702	40.06523	36.99046	1.923273	11.78590
#2	13.34702	-.588415	175.1531	42.47884	35.23678	1.864498	10.06254
#3	12.34744	-2.93470	180.3472	42.56685	35.70654	.5617505	13.37959
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	17.66568	40.01027	33.96177	-20.8494	12.58008	15.56400	-.100836
SDEV	1.37244	3.67770	1.09663	2.1262	.70126	.58472	1.492017
%RSD	7.768966	9.191880	3.229021	10.19807	5.574340	3.756852	1479.648
#1	19.18577	42.65798	34.15798	-21.0385	13.38429	16.23690	-1.76518
#2	16.51759	35.81106	34.94705	-18.6350	12.09618	15.17965	1.116800
#3	17.29367	41.56176	32.78027	-22.8748	12.25976	15.27545	.3458718
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	4.229679	900.7863	4503.377
SDEV	.726210	9.0674	55.716
%RSD	17.16939	1.006614	1.237200
#1	4.758768	890.3484	4564.933
#2	3.401725	905.2941	4488.800
#3	4.528543	906.7165	4456.400
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005132-07 OPERATOR:
RUN TIME: 06/11/10 14:59:04
COMMENT: SDG:1005132 CLIENTID:SB83-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3195617	29623.41	66.33711	1.042919	10048.65	.6851003	1.085309
SDEV	.1383743	57.38	.96410	.360705	153.30	.0980135	.260306
%RSD	43.30127	.1937102	1.453334	34.58607	1.525568	14.30644	23.98447
#1	.4793426	29570.20	65.45333	.9191693	10152.44	.7344062	1.366365
#2	.2396713	29615.82	66.19275	.7603786	10120.94	.7486706	1.037057
#3	.2396713	29684.21	67.36525	1.449211	9872.575	.5722241	.8525053
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	32.58609	7.992352	8920.972	-565.144	815.2838	56.57556	487.6434
SDEV	1.01912	.457085	63.583	15.645	7.6834	.44759	37.1392
%RSD	3.127477	5.719030	.7127310	2.768235	.9424226	.7911422	7.616067
#1	32.32014	8.067751	8993.790	-574.507	823.9092	57.09239	516.0544
#2	33.71182	8.407049	8876.449	-573.842	809.1722	56.31896	445.6182
#3	31.72631	7.502255	8892.675	-547.083	812.7699	56.31532	501.2575
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	8.975746	-6.56910	40.45110	35.24995	44.19525	4.654893	14.13496
SDEV	1.115416	1.07130	.58196	.29645	2.41775	.784357	1.88206
%RSD	12.42700	16.30811	1.438684	.8409995	5.470608	16.85017	13.31490
#1	7.697592	-5.98470	40.98930	35.58516	42.92283	4.497545	15.83590
#2	9.477365	-5.91708	40.53049	35.02227	46.98349	3.961137	12.11307
#3	9.752281	-7.80550	39.83352	35.14243	42.67944	5.505997	14.45591
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	4.091191	49.48854	41.54950	-17.4195	15.67278	16.22290	-.624658
SDEV	1.464347	2.50006	4.26705	1.9859	1.76861	2.66864	1.452362
%RSD	35.79268	5.051790	10.26979	11.40049	11.28463	16.44984	232.5052
#1	5.489723	52.36727	38.20465	-15.1551	14.30641	15.71020	.5650443
#2	4.214964	48.23606	46.35508	-18.2384	15.04153	13.84780	-2.24314
#3	2.568886	47.86227	40.08876	-18.8650	17.67042	19.11069	-.195882
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.461292	518.8707	4410.488
SDEV	.722524	5.2585	72.796
%RSD	49.44421	1.013441	1.650526
#1	2.203142	522.1802	4470.733
#2	.7597845	521.6246	4431.133
#3	1.420948	512.8072	4329.600
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005132-08 OPERATOR:
RUN TIME: 06/11/10 15:06:13
COMMENT: SDG:1005132 CLIENTID:SB83-6.5-7.5 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4565168	77573.62	71.45048	1.391254	1113.297	1.576633	4.208588
SDEV	.1688958	1221.02	.94585	.255348	18.730	.022567	.383573
%RSD	36.99662	1.574020	1.323780	18.35379	1.682423	1.431333	9.114066
#1	.6505364	77920.86	72.27253	1.643949	1099.078	1.579341	3.992433
#2	.3423876	76216.59	70.41672	1.133333	1106.292	1.552834	3.981872
#3	.3766263	78583.41	71.66219	1.396479	1134.520	1.597724	4.651458
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	74.19437	5.261811	13254.64	2216.544	1958.922	49.27078	505.1489
SDEV	3.05417	.105124	345.51	63.398	47.309	1.29656	76.3632
%RSD	4.116449	1.997873	2.606728	2.860205	2.415035	2.631492	15.11697
#1	72.35294	5.256425	13062.19	2273.907	1935.887	48.71941	590.3456
#2	72.51030	5.369525	13048.21	2148.475	1927.542	48.34104	482.2351
#3	77.71985	5.159483	13653.52	2227.250	2013.336	50.75189	442.8660
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	14.95960	-2.89662	69.49277	21.99061	30.32547	3.674717	12.15650
SDEV	.93466	2.80160	1.75293	1.14426	1.17242	.808554	2.30713
%RSD	6.247914	96.71980	2.522469	5.203422	3.866127	22.00317	18.97856
#1	14.43630	-5.19404	68.43046	20.77385	30.53837	4.126050	9.542212
#2	14.40381	-3.72032	68.53183	22.15295	29.06118	2.741248	13.90746
#3	16.03869	.2244978	71.51605	23.04504	31.37685	4.156853	13.01981
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3142656	36.02144	27.47872	-19.3122	15.14825	18.64678	-.184802
SDEV	2.171342	4.07007	2.39290	4.5543	1.31763	2.51061	.245582
%RSD	690.9257	11.29902	8.708176	23.58227	8.698235	13.46407	132.8897
#1	-2.16212	40.71465	25.45479	-14.9472	13.64567	21.54523	-.324636
#2	1.212819	33.46087	26.86165	-24.0347	16.10649	17.14859	.0987635
#3	1.892100	33.88879	30.11971	-18.9547	15.69261	17.24651	-.328533
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	3.933921	646.4681	4482.755
SDEV	.445883	7.9300	65.466
%RSD	11.33431	1.226663	1.460403
#1	4.433928	644.2766	4430.133
#2	3.577586	639.8643	4556.066
#3	3.790250	655.2634	4462.066
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005132-09 OPERATOR:
RUN TIME: 06/11/10 15:13:22
COMMENT: SDG:1005132 CLIENTID:SB62-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.7418398	29296.30	93.61204	1.517331	1473.858	.6645926	1.966854
SDEV	.2429103	264.85	.52683	.312185	4.816	.2534324	.257603
%RSD	32.74430	.9040539	.5627776	20.57458	.3267288	38.13350	13.09721
#1	.4793426	29572.49	93.49061	1.496204	1478.889	.9337414	2.043416
#2	.7874914	29271.95	94.18899	1.839543	1473.392	.6295024	2.177497
#3	.9586853	29044.46	93.15654	1.216247	1469.292	.4305338	1.679650
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	25.50315	47.93796	1647.407	359.6741	680.2232	18.84705	712.2685
SDEV	.53778	1.07543	16.719	25.1308	12.4354	.31623	44.0253
%RSD	2.108671	2.243373	1.014841	6.987103	1.828135	1.677864	6.180996
#1	25.86862	47.71714	1657.220	362.7691	681.6822	18.87696	675.6439
#2	25.75519	46.99007	1656.898	383.1141	691.8647	19.14726	761.1128
#3	24.88565	49.10665	1628.103	333.1392	667.1226	18.51693	700.0488
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	6.116320	-7.10011	34.49181	18.02026	69.00247	12.63192	11.44652
SDEV	1.050790	.90694	.57492	.08276	1.85179	1.38729	1.15789
%RSD	17.18011	12.77356	1.666821	.4592789	2.683651	10.98243	10.11561
#1	5.078554	-7.13062	34.89138	18.11059	68.18272	12.40550	10.11042
#2	6.090738	-7.99141	34.75115	17.94807	71.12264	14.11849	12.15723
#3	7.179667	-6.17831	33.83291	18.00211	67.70205	11.37176	12.07192
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	7.293020	76.14802	65.43195	-11.4196	24.63690	24.19811	-.125092
SDEV	1.100214	1.83764	1.91673	1.7778	1.25265	2.84395	1.038738
%RSD	15.08585	2.413244	2.929350	15.56816	5.084428	11.75278	830.3789
#1	6.247874	75.93741	64.30807	-12.2670	24.72048	26.97482	1.057710
#2	8.441071	78.08189	67.64511	-9.37661	25.84566	21.29138	-.544122
#3	7.190116	74.42476	64.34267	-12.6152	23.34455	24.32813	-.888864
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.056684	265.6868	4387.733
SDEV	.725200	4.7846	53.462
%RSD	68.62979	1.800825	1.218449
#1	1.154081	270.8543	4364.600
#2	.2877074	261.4106	4349.733
#3	1.728264	264.7955	4448.866
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005132-10 OPERATOR:
RUN TIME: 06/11/10 15:20:30
COMMENT: SDG:1005132 CLIENTID:SB74-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.011413	26199.84	81.58882	.7475173	1138.055	.9099297	2.675123
SDEV	.138374	463.47	.74087	.1486135	17.403	.3316612	.302535
%RSD	1212.436	1.768985	.9080521	19.88095	1.529198	36.44910	11.30921
#1	-.171194	25830.91	81.68927	.8974162	1119.567	1.040157	2.418734
#2	.0684775	26720.05	82.27434	.6002234	1154.119	1.156713	3.008807
#3	.0684775	26048.56	80.80286	.7449121	1140.478	.5329189	2.597827
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	28.16538	16.24860	9832.401	-317.746	830.0422	77.89043	551.9495
SDEV	.58736	.58352	139.567	5.174	10.4276	1.10549	34.6172
%RSD	2.085390	3.591204	1.419463	1.628443	1.256273	1.419287	6.271807
#1	27.58420	15.79082	9674.744	-315.469	824.4002	76.64963	590.7888
#2	28.75873	16.90566	9940.163	-314.101	842.0751	78.77046	540.7142
#3	28.15320	16.04933	9882.298	-323.668	823.6511	78.25121	524.3455
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	8.744900	-4.73311	32.87322	18.08171	35.47302	2.576918	13.35530
SDEV	.512522	1.94888	1.16558	.33213	.68685	2.136552	2.14236
%RSD	5.860816	41.17553	3.545677	1.836850	1.936267	82.91115	16.04130
#1	8.882643	-5.97836	31.62841	17.82913	35.02524	3.292121	12.65708
#2	8.177581	-2.48717	33.93880	17.95807	35.12999	4.264119	11.64915
#3	9.174475	-5.73381	33.05246	18.45793	36.26382	.1745134	15.75967
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.664646	40.78389	32.81861	-18.9490	13.32113	17.99304	.4528666
SDEV	1.063099	.97297	.54531	.3452	3.07886	1.75390	1.068157
%RSD	39.89645	2.385664	1.661593	1.821819	23.11261	9.747656	235.8657
#1	2.661517	40.19974	32.43893	-18.6052	14.22177	16.98920	1.062186
#2	3.729306	40.24486	32.57343	-18.9462	15.84924	16.97168	1.076920
#3	1.603115	41.90707	33.44347	-19.2957	9.892384	20.01825	-.780506
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.647214	644.0281	4604.222
SDEV	.532434	7.3960	20.138
%RSD	32.32328	1.148400	.4373736
#1	1.525133	638.8768	4614.800
#2	1.186423	652.5028	4580.999
#3	2.230085	640.7047	4616.866
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005132-11 OPERATOR:
RUN TIME: 06/11/10 15:27:38
COMMENT: SDG:1005132 CLIENTID:SB86-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.136955	100437.8	110.7945	.9680689	50110.64	3.960505	-1.48182
SDEV	.298487	426.7	.6499	.1903623	517.14	.394974	.14182
%RSD	217.9450	.4248281	.5865558	19.66412	1.031993	9.972809	9.570404
#1	.2054325	100006.2	111.3149	1.185834	50039.82	4.340546	-1.53937
#2	-.273910	100859.4	110.0661	.8851032	50659.54	3.988845	-1.32027
#3	-.342388	100447.7	111.0024	.8332698	49632.56	3.552125	-1.58581
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	111.8690	6.877516	76879.54	1649.053	3955.837	83.26597	497.4118
SDEV	1.9983	.219957	818.65	12.129	36.207	.70947	110.3499
%RSD	1.786262	3.198206	1.064847	.7355053	.9152685	.8520574	22.18481
#1	111.0105	6.629776	77173.78	1661.514	3966.327	83.70876	541.7357
#2	114.1531	6.952915	77510.40	1637.286	3985.640	83.64149	578.7083
#3	110.4435	7.049859	75954.44	1648.359	3915.544	82.44766	371.7915
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	15.25178	.9949748	200.2239	69.96223	74.00726	8.814689	12.73637
SDEV	.57048	6.109376	1.7661	1.19874	1.59753	1.931893	1.17671
%RSD	3.740420	614.0232	.8820697	1.713413	2.158617	21.91675	9.238997
#1	15.59950	5.226830	201.6875	69.58951	75.82295	11.02818	12.93491
#2	14.59339	-6.00900	200.7219	71.30306	72.81730	7.468023	11.47302
#3	15.56244	3.767098	198.2622	68.99413	73.38155	7.947866	13.80118
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	12.15355	70.43477	75.78768	-9.59100	18.00112	18.54341	.4107306
SDEV	1.85926	4.06438	1.10481	4.37652	1.63346	.82410	1.793364
%RSD	15.29811	5.770421	1.457775	45.63157	9.074209	4.444175	436.6277
#1	14.23111	74.91858	76.27117	-5.08231	19.06872	19.49262	2.152032
#2	10.64609	69.39318	74.52354	-9.86854	16.12071	18.01047	.5106744
#3	11.58345	66.99254	76.56834	-13.8221	18.81394	18.12716	-1.43051
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	3.986763	726.6234	4626.822
SDEV	.302435	6.1690	20.960
%RSD	7.585985	.8489949	.4530008
#1	4.122677	720.6378	4609.200
#2	4.197396	732.9607	4649.999
#3	3.640216	726.2716	4621.267
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005132-12 OPERATOR:
RUN TIME: 06/11/10 15:34:47
COMMENT: SDG:1005132 CLIENTID:SB86-3-4 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.034239	79672.47	82.92807	1.788326	5902.183	5.258434	-9.44236
SDEV	.190633	1458.74	1.74117	.474596	208.783	.330214	.44482
%RSD	556.7764	1.830926	2.099613	26.53856	3.537381	6.279704	4.710854
#1	.1711938	81354.88	84.89196	2.328249	5677.901	5.408069	-9.83814
#2	-.068478	78902.45	82.31896	1.599629	5937.750	5.487341	-8.96096
#3	-.205433	78760.09	81.57328	1.437100	6090.898	4.879892	-9.52799
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	111.0547	42.89696	135782.7	2812.271	3131.720	67.19292	530.0063
SDEV	4.0190	2.84150	3569.8	183.936	27.345	1.77742	48.1278
%RSD	3.618907	6.624005	2.629078	6.540481	.8731635	2.645256	9.080612
#1	106.7480	39.65478	132043.9	3022.425	3108.988	65.30022	574.5548
#2	111.7111	44.08181	136148.9	2733.816	3124.106	67.45186	536.5049
#3	114.7051	44.95429	139155.3	2680.571	3162.065	68.82667	478.9595
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	13.90823	-.478958	136.2083	33.25312	48.38173	3.796482	6.778595
SDEV	.71945	2.066700	2.5946	3.05643	.09406	.975103	3.609972
%RSD	5.172806	431.4991	1.904897	9.191408	.1944129	25.68438	53.25546
#1	13.12721	1.442993	133.4437	29.90939	48.27334	2.730004	2.648140
#2	14.54391	-.214851	136.5908	33.94702	48.44187	4.017000	9.330032
#3	14.05357	-2.66502	138.5905	35.90293	48.42999	4.642442	8.357613
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	35.17863	44.48407	50.32458	-8.89128	10.12814	18.95103	2.063608
SDEV	4.19030	.68531	.25618	3.41737	2.96677	3.46722	1.253668
%RSD	11.91151	1.540582	.5090546	38.43508	29.29233	18.29570	60.75125
#1	30.39387	43.86699	50.46999	-6.91300	7.541412	21.48906	1.957485
#2	36.94796	44.36359	50.47498	-6.92352	9.476410	20.36351	.8663752
#3	38.19406	45.22164	50.02879	-12.8373	13.36658	15.00052	3.366964
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	3.520854	670.5397	4456.177
SDEV	.734389	7.8067	205.377
%RSD	20.85826	1.164245	4.608805
#1	3.666385	674.3276	4219.466
#2	4.171582	661.5617	4562.066
#3	2.724595	675.7298	4586.999
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV OPERATOR:
RUN TIME: 06/11/10 15:41:56
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	106.0717	46191.39	949.8799	1014.550	49084.48	988.3034	999.9061
SDEV	.6341	472.57	7.2534	11.966	734.80	9.9503	8.9159
%RSD	.5978137	1.023069	.7636100	1.179428	1.497016	1.006802	.8916739
#1	106.3114	46719.21	949.7035	1026.509	49823.83	991.0594	1006.489
#2	106.5510	46047.36	957.2198	1014.563	49075.31	996.5851	1003.470
#3	105.3527	45807.59	942.7163	1002.577	48354.31	977.2656	989.7595
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	958.3988	1020.075	24562.81	49758.69	49677.59	979.7955	49569.43
SDEV	18.1288	1.268	297.78	76.65	630.36	12.1754	385.26
%RSD	1.891571	.1242584	1.212301	.1540369	1.268894	1.242649	.7772135
#1	974.9816	1020.355	24807.12	49830.53	50189.53	989.7944	50013.72
#2	961.1713	1018.691	24650.19	49767.52	49869.72	983.3550	49366.66
#3	939.0435	1021.179	24231.12	49678.00	48973.53	966.2370	49327.89
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	982.8903	981.6943	970.9335	1087.663	982.9005	986.1484	994.8309
SDEV	10.7786	5.1153	20.4634	11.830	3.0843	1.9254	11.3306
%RSD	1.096623	.5210717	2.107597	1.087619	.3137981	.1952418	1.138948
#1	987.9676	987.5126	984.5811	1095.552	983.6999	985.5424	987.1893
#2	990.1926	977.9036	980.8146	1093.375	985.5064	988.3038	1007.849
#3	970.5107	979.6666	947.4047	1074.061	979.4952	984.5989	989.4546
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1015.705	974.0390	987.3218	988.6485	984.8978	1033.974	979.3760
SDEV	3.680	11.9609	2.8021	6.3046	5.3227	11.986	7.3594
%RSD	.3623384	1.227968	.2838074	.6377009	.5404292	1.159257	.7514329
#1	1019.700	982.9188	984.0872	995.5754	980.5311	1039.522	983.2946
#2	1014.962	978.7601	988.8716	983.2456	990.8268	1042.182	983.9468
#3	1012.452	960.4380	989.0066	987.1245	983.3356	1020.219	970.8865
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1020.270	980.0187	4757.267
SDEV	6.846	16.9234	18.213
%RSD	.6710220	1.726847	.3828487
#1	1020.508	999.4068	4738.667
#2	1026.995	972.4409	4758.066
#3	1013.308	968.2084	4775.066
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB OPERATOR:
RUN TIME: 06/11/10 15:49:06
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2739101	35.30503	.2467926	.8140572	380.6594	.1678490	.9357159
SDEV	.3301866	6.48454	.0144730	.1510786	.7116	.1195428	.1729836
%RSD	120.5456	18.36719	5.864445	18.55872	.1869495	71.22046	18.48676
#1	.6505364	42.13409	.2633971	.9743350	380.0818	.2993811	1.127876
#2	.0342388	29.23113	.2368516	.6742692	381.4544	.1383455	.7924205
#3	.1369550	34.54987	.2401290	.7935675	380.4421	.0658204	.8868514
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4990043	-.010772	10.39872	-1425.66	15.31426	.4000393	17.51616
SDEV	.3683698	.253928	2.28088	2.93	2.82205	.0951456	33.60849
%RSD	73.82095	2357.382	21.93422	.2055744	18.42758	23.78406	191.8713
#1	.6616149	-.285441	11.67409	-1424.53	13.35283	.4023506	19.62157
#2	.0773101	.2154268	11.75666	-1428.98	18.54854	.4940082	-17.0955
#3	.7580880	.0376994	7.765423	-1423.45	14.04141	.3037591	50.02245
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.215741	3.676088	.3424086	.9051574	.5607915	2.458965	3.253026
SDEV	.241405	1.776979	.3383915	.3707741	1.300692	1.120428	1.545199
%RSD	19.85658	48.33886	98.82680	40.96238	231.9386	45.56503	47.50038
#1	1.079974	2.752295	.7259559	.6904389	-.940997	3.046950	4.840722
#2	1.072790	5.724682	.0860020	.6917436	1.295135	1.166942	3.164200
#3	1.494461	2.551286	.2152680	1.333290	1.328237	3.163004	1.754155
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.5166285	1.989537	-.155162	-.377758	3.872549	-2.07000	.8701507
SDEV	.7014002	1.022737	2.050934	1.675728	.931886	.83098	1.658913
%RSD	135.7649	51.40580	1321.803	443.5985	24.06388	40.14413	190.6466
#1	.7602938	2.089217	-2.45649	-.116419	4.623600	-2.78425	.6545408
#2	1.063700	.9206096	1.479478	-2.16880	2.829676	-2.26778	-.670415
#3	-.274108	2.958785	.5115312	1.151946	4.164372	-1.15797	2.626326
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.276156	.3071721	4552.022
SDEV	.541579	.0581508	21.142
%RSD	42.43829	18.93100	.4644558
#1	1.802618	.3734533	4532.800
#2	1.305219	.2647246	4574.667
#3	.7206308	.2833386	4548.600
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005132-13 OPERATOR:
RUN TIME: 06/11/10 15:56:14
COMMENT: SDG:1005132 CLIENTID:SB86-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.079890	34878.22	90.76817	.7569230	11562.42	1.311514	2.393671
SDEV	.285095	302.84	.44191	.0442038	63.52	.077965	.352213
%RSD	356.8571	.8682799	.4868580	5.839938	.5493782	5.944668	14.71435
#1	.2396713	34572.39	90.52013	.7731931	11490.48	1.369368	2.027730
#2	-.171194	35177.98	91.27837	.7906860	11610.80	1.342322	2.730328
#3	-.308149	34884.30	90.50598	.7068900	11585.96	1.222852	2.422953
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	39.13770	6.473589	18744.78	-260.964	1099.288	62.00140	610.6271
SDEV	.43438	.076355	135.13	3.752	7.380	.67748	34.7489
%RSD	1.109882	1.179478	.7208984	1.437806	.6713818	1.092692	5.690684
#1	38.63613	6.387419	18589.56	-263.312	1092.707	61.24636	633.6943
#2	39.39039	6.532831	18836.22	-256.636	1107.268	62.20165	570.6609
#3	39.38660	6.500518	18808.54	-262.943	1097.888	62.55619	627.5259
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	9.935361	-1.14394	55.71108	24.03135	72.79205	3.574825	11.98426
SDEV	.382261	2.77239	.78647	.26696	1.94729	2.219136	.60516
%RSD	3.847478	242.3544	1.411699	1.110877	2.675139	62.07677	5.049617
#1	10.09799	-3.03461	54.80644	23.78701	70.72974	4.302896	11.30970
#2	9.498676	-2.43584	56.23246	24.31628	74.59914	1.083115	12.16361
#3	10.20941	2.038623	56.09432	23.99076	73.04727	5.338463	12.47948
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	6.544783	79.36527	69.50744	-19.8858	15.28497	17.78179	-.240936
SDEV	2.738439	.38066	2.85490	4.9404	1.33937	.21988	1.496408
%RSD	41.84156	.4796332	4.107324	24.84400	8.762631	1.236532	621.0822
#1	3.659569	79.37950	66.40841	-20.2969	16.58177	18.01434	.5092798
#2	6.866806	79.73862	72.03032	-24.6079	13.90675	17.57727	.7319624
#3	9.107972	78.97769	70.08359	-14.7527	15.36639	17.75376	-1.96405
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.561717	607.4607	4645.022
SDEV	1.322090	4.1823	12.781
%RSD	51.60950	.6884836	.2751447
#1	4.075779	604.2357	4651.133
#2	1.635470	612.1863	4630.333
#3	1.973904	605.9603	4653.600
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005132-14 OPERATOR:
RUN TIME: 06/11/10 16:03:22
COMMENT: SDG:1005132 CLIENTID:SB86-6-7 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2282584	65332.02	67.52998	1.795798	5503.042	1.191452	2.541682
SDEV	.1756997	895.39	1.18368	.223197	86.381	.265293	.449781
%RSD	76.97402	1.370517	1.752816	12.42884	1.569690	22.26637	17.69620
#1	.2739101	64399.27	66.20118	1.658924	5403.934	.8900375	2.025069
#2	.0342388	66184.66	68.47153	2.053354	5542.857	1.389514	2.753769
#3	.3766263	65412.12	67.91722	1.675115	5562.334	1.294805	2.846209
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	85.08808	8.708648	18915.09	3042.193	1644.419	57.19656	546.1292
SDEV	1.71488	.067267	330.48	76.365	31.191	1.11486	52.7145
%RSD	2.015417	.7724210	1.747199	2.510189	1.896799	1.949173	9.652388
#1	83.24392	8.762505	18540.38	2982.771	1616.241	55.92360	485.9443
#2	86.63475	8.633248	19165.03	3128.325	1677.935	57.99916	568.3381
#3	85.38558	8.730190	19039.84	3015.483	1639.082	57.66691	584.1053
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	13.05857	-4.58886	85.64597	21.57510	41.42802	.7637211	13.48166
SDEV	.93711	1.03040	1.91254	.96946	1.61791	.4561316	1.80467
%RSD	7.176187	22.45441	2.233082	4.493403	3.905356	59.72489	13.38609
#1	13.48620	-3.79964	83.73280	20.81461	39.84622	.6690450	13.17520
#2	13.70558	-5.75456	87.55789	22.66674	41.35808	.3623573	15.41994
#3	11.98393	-4.21238	85.64722	21.24394	43.07977	1.259761	11.84985
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	9.068044	46.85145	38.71735	-19.8295	11.04219	18.55809	-.025818
SDEV	1.190376	3.42561	.88176	3.0112	.82417	1.75521	.826592
%RSD	13.12716	7.311645	2.277432	15.18562	7.463803	9.457945	3201.584
#1	8.833770	44.13792	37.70058	-20.1559	11.06325	19.82447	-.557216
#2	10.35814	45.71575	39.17943	-22.6642	11.85563	16.55450	.9265144
#3	8.012222	50.70068	39.27203	-16.6683	10.20770	19.29529	-.446753
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	3.968970	779.2838	4486.066
SDEV	.959324	13.1183	66.918
%RSD	24.17060	1.683383	1.491682
#1	3.009427	767.7875	4524.066
#2	3.969408	793.5740	4408.800
#3	4.928074	776.4897	4525.333
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005132-15 OPERATOR:
RUN TIME: 06/11/10 16:10:31
COMMENT: SDG:1005132 CLIENTID:SB81-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4565168	2262.358	19.72673	1.037901	807.2169	.3838233	1.579546
SDEV	.1100622	56.315	.37100	.336275	8.7192	.1888456	.363671
%RSD	24.10913	2.489224	1.880716	32.39947	1.080153	49.20119	23.02378
#1	.4108651	2303.345	20.11400	1.416773	808.3409	.4047343	1.914766
#2	.3766263	2198.145	19.37447	.7748269	797.9903	.1853925	1.192899
#3	.5820589	2285.586	19.69173	.9221036	815.3196	.5613431	1.630973
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	9.597385	1.750346	2399.146	L-1041.31	145.5648	77.36851	442.6704
SDEV	.422674	.113099	54.970	5.37	5.1257	1.62150	70.7947
%RSD	4.404050	6.461538	2.291241	.5155898	3.521252	2.095816	15.99265
#1	9.766639	1.669561	2428.734	L-1037.05	147.2243	78.59930	455.8696
#2	9.116315	1.701875	2335.720	L-1047.34	139.8149	75.53117	505.9367
#3	9.909204	1.879603	2432.985	L-1039.55	149.6551	77.97504	366.2051
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.880684	-5.20587	9.748342	8.615950	29.77808	1.400514	12.99213
SDEV	.525336	1.91154	.509153	.453538	.87975	1.235924	.36237
%RSD	27.93324	36.71898	5.222972	5.263938	2.954366	88.24786	2.789179
#1	2.487097	-3.12802	9.841999	8.092920	30.41907	2.572019	13.04020
#2	1.564262	-5.59989	9.198862	8.900420	30.14008	.1089354	13.32807
#3	1.590691	-6.88969	10.20416	8.854509	28.77508	1.520589	12.60812
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.349039	40.12237	24.61095	-21.8122	12.98676	17.39278	-2.10099
SDEV	1.447988	.84782	1.04887	2.4260	1.48285	1.15674	.85389
%RSD	414.8497	2.113095	4.261791	11.12209	11.41817	6.650699	40.64237
#1	-2.00273	41.09174	25.08796	-21.7058	14.68997	16.06613	-2.15532
#2	.2641508	39.75622	25.33654	-24.2897	12.28726	17.92172	-1.22123
#3	.6914615	39.51916	23.40836	-19.4412	11.98303	18.19048	-2.92642
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.173625	928.4193	4423.177
SDEV	.281157	20.8901	84.957
%RSD	23.95624	2.250067	1.920721
#1	1.289270	943.5781	4341.999
#2	.8530891	904.5901	4511.466
#3	1.378518	937.0895	4416.066
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005132-16 OPERATOR:
RUN TIME: 06/11/10 16:17:39
COMMENT: SDG:1005132 CLIENTID:SB81-5-6 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.5364072	13271.20	24.01147	.4910939	765.9716	.6650372	2.252584
SDEV	.2476893	451.88	.86783	.2685656	15.1525	.1691542	.862268
%RSD	46.17561	3.405000	3.614215	54.68722	1.978211	25.43530	38.27905
#1	.4108651	12752.33	23.03039	.2483718	748.7339	.4924837	1.257556
#2	.8217303	13482.88	24.32523	.7796134	771.9929	.6720540	2.780838
#3	.3766263	13578.39	24.67877	.4452964	777.1878	.8305738	2.719357
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	23.87052	2.633598	5023.128	-773.599	559.4415	44.58911	429.8082
SDEV	1.31519	.220550	203.886	17.031	20.7089	1.80755	5.0632
%RSD	5.509670	8.374468	4.058951	2.201561	3.701707	4.053791	1.178012
#1	22.40081	2.735926	4788.228	-793.071	535.7949	42.50243	435.1703
#2	24.27417	2.380472	5154.223	-761.480	574.3448	45.59266	425.1093
#3	24.93657	2.784397	5126.932	-766.244	568.1848	45.67223	429.1449
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	5.644025	-4.23490	19.45259	13.20824	19.20603	2.571708	12.77739
SDEV	.384259	.41600	.89217	.79547	.70402	2.063652	.93823
%RSD	6.808235	9.823197	4.586363	6.022498	3.665607	80.24441	7.342857
#1	5.226533	-4.60084	18.42258	12.31447	19.52670	.3323832	13.00947
#2	5.982887	-4.32140	19.95137	13.47170	19.69262	4.396868	11.74490
#3	5.722655	-3.78244	19.98383	13.83855	18.39876	2.985873	13.57779
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4859966	28.35214	14.63712	-19.9574	13.81677	17.31236	-.567480
SDEV	2.018686	.80904	.71929	2.0420	3.29443	1.19689	.434703
%RSD	415.3703	2.853533	4.914136	10.23165	23.84369	6.913475	76.60226
#1	2.607645	28.29092	15.14864	-19.0669	10.01496	17.35105	-.575809
#2	.2612633	29.19005	14.94806	-18.5119	15.83143	18.48944	-.997959
#3	-1.41092	27.57545	13.81467	-22.2934	15.60392	16.09660	-.128673
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.2120799	686.7766	4658.555
SDEV	.5863230	23.4370	113.749
%RSD	276.4633	3.412616	2.441718
#1	.8755405	659.7340	4789.333
#2	-.236440	699.3932	4582.600
#3	-.002861	701.2026	4603.733
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005132-17 OPERATOR:
RUN TIME: 06/11/10 16:24:47
COMMENT: SDG:1005132 CLIENTID:SB71-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.604885	115804.6	135.9664	.9500464	5435.914	2.470960	4.258016
SDEV	.518503	299.1	1.9715	.1256380	16.421	.423811	.261187
%RSD	85.71937	.2582704	1.449986	13.22441	.3020900	17.15167	6.134000
#1	-1.19836	115970.0	138.1738	1.061513	5426.254	2.930512	4.202832
#2	-.239671	115459.4	135.3449	.9747260	5426.612	2.386869	4.542385
#3	-.376626	115984.4	134.3806	.8138999	5454.874	2.095498	4.028830
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	109.8215	14.75677	38033.33	1953.223	3816.410	93.57885	633.4705
SDEV	.4556	.14085	53.58	12.684	6.567	.64113	28.4430
%RSD	.4148249	.9545006	.1408784	.6493896	.1720712	.6851228	4.490029
#1	109.7277	14.85371	37999.46	1967.669	3818.962	92.91658	636.2941
#2	109.4202	14.59520	38005.43	1948.093	3808.950	93.62346	603.7211
#3	110.3167	14.82140	38095.11	1943.907	3821.317	94.19651	660.3965
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	17.98697	-3.24309	136.1258	53.00886	82.65405	2.630750	12.32104
SDEV	.49880	4.49271	.7151	.42715	1.13142	.393257	1.86261
%RSD	2.773111	138.5317	.5253271	.8058060	1.368858	14.94846	15.11734
#1	18.37356	-7.42322	135.3878	53.44228	83.03673	2.187977	14.30889
#2	17.42393	-3.81373	136.1739	52.99602	81.38092	2.939398	10.61601
#3	18.16341	1.507677	136.8156	52.58828	83.54450	2.764876	12.03821
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	6.288360	81.39453	83.27964	-16.7006	12.27935	19.64842	-.495738
SDEV	1.006987	2.82231	.98044	2.7242	1.91499	.75907	1.565528
%RSD	16.01351	3.467441	1.177280	16.31208	15.59524	3.863277	315.7974
#1	5.141002	80.37317	84.36327	-14.1689	10.35154	20.28632	.9331369
#2	6.698635	79.22509	82.45400	-19.5833	14.18127	18.80889	-2.16914
#3	7.025443	84.58533	83.02166	-16.3496	12.30524	19.85006	-.251210
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.6772369	790.0143	4690.355
SDEV	1.002714	2.6816	19.733
%RSD	148.0595	.3394321	.4207121
#1	-.012123	788.9786	4669.999
#2	.2162975	788.0051	4691.667
#3	1.827536	793.0593	4709.400
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005132-18 OPERATOR:
RUN TIME: 06/11/10 16:31:55
COMMENT: SDG:1005132 CLIENTID:SB71D-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.045652	114893.6	134.2445	.8019974	7713.364	2.586977	3.690386
SDEV	.098839	2382.3	1.7328	.1619586	134.986	.420031	.666367
%RSD	216.5064	2.073460	1.290788	20.19440	1.750023	16.23638	18.05684
#1	.0684775	116163.4	133.5913	.9889287	7772.773	2.238552	4.363581
#2	-.102716	112145.4	132.9332	.7133371	7558.863	2.468997	3.031063
#3	-.102716	116372.0	136.2090	.7037263	7808.455	3.053382	3.676516
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	108.7437	11.41226	38524.25	1811.233	3759.211	88.43398	741.4235
SDEV	2.2676	.12619	679.84	45.570	74.455	1.82887	70.1926
%RSD	2.085226	1.105740	1.764711	2.515980	1.980590	2.068058	9.467271
#1	110.2572	11.34763	38825.03	1835.491	3799.869	88.78237	822.2663
#2	106.1366	11.33148	37745.91	1758.665	3673.280	86.45597	706.0349
#3	109.8374	11.55767	39001.83	1839.542	3804.485	90.06358	695.9693
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	19.86544	-2.84065	139.4656	46.58525	80.11589	4.230369	12.57801
SDEV	.53237	3.23545	4.0115	.92272	.93102	2.234743	1.32263
%RSD	2.679875	113.8981	2.876320	1.980710	1.162096	52.82619	10.51538
#1	19.26871	-5.42369	141.7257	47.03156	81.18688	6.714541	14.06851
#2	20.03592	-3.88666	134.8339	45.52423	79.49953	3.593046	12.12109
#3	20.29168	.7883987	141.8370	47.19996	79.66125	2.383519	11.54442
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	7.371841	79.78363	80.27858	-13.6923	13.17571	19.32643	.4849654
SDEV	2.915735	1.52824	1.32392	5.3086	.77357	1.00655	.4663950
%RSD	39.55233	1.915486	1.649151	38.77060	5.871195	5.208164	96.17079
#1	9.098472	80.28283	81.63500	-7.64429	13.88060	18.70673	.3989965
#2	4.005414	78.06821	80.21098	-15.8519	13.29841	18.78473	.9883641
#3	9.011638	80.99985	78.98975	-17.5808	12.34812	20.48782	.0675355
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.057186	742.2298	4724.956
SDEV	.835613	17.1061	68.435
%RSD	79.04124	2.304684	1.448363
#1	1.968992	752.1444	4664.400
#2	.8746078	722.4775	4799.200
#3	.3279583	752.0676	4711.267
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005132-19 OPERATOR:
RUN TIME: 06/11/10 16:39:03
COMMENT: SDG:1005132 CLIENTID:SB71-4-5 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0684775	141453.1	308.1684	2.330594	851.5360	2.196561	6.652081
SDEV	.1234496	1425.9	2.9096	.032610	7.9618	.237764	.267599
%RSD	180.2776	1.008010	.9441509	1.399207	.9349908	10.82437	4.022790
#1	-.034239	139808.0	309.6065	2.340917	846.5081	2.454966	6.900206
#2	.0342388	142216.8	310.0789	2.294072	847.3844	1.987035	6.687501
#3	.2054325	142334.4	304.8198	2.356793	860.7156	2.147681	6.368535
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	107.9276	28.76493	20760.81	4338.978	2309.689	80.40408	621.8270
SDEV	1.6928	.22620	276.53	40.101	23.889	1.54716	84.2619
%RSD	1.568463	.7863685	1.331981	.9241995	1.034284	1.924230	13.55069
#1	106.4176	28.50642	20552.92	4315.371	2283.973	79.19004	612.3540
#2	107.6077	28.86187	20654.86	4385.279	2313.902	79.87608	542.7019
#3	109.7575	28.92650	21074.65	4316.283	2331.190	82.14613	710.4250
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	74.07282	-2.77508	113.9264	65.97990	76.41317	1.620915	13.48182
SDEV	.73785	3.22768	2.1023	1.38709	2.10373	1.190841	2.16333
%RSD	.9961171	116.3094	1.845279	2.102293	2.753097	73.46722	16.04627
#1	74.77590	-2.82385	111.6193	65.50942	77.66387	2.992696	12.33644
#2	73.30453	.4767075	114.4262	64.88923	73.98435	1.017269	15.97703
#3	74.13804	-5.97810	115.7338	67.54103	77.59128	.8527790	12.13200
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	13.49719	71.89105	78.66740	-23.3714	14.09558	19.94340	.0858901
SDEV	1.17242	2.44198	2.10950	3.6014	1.34755	3.45826	1.303295
%RSD	8.686388	3.396777	2.681549	15.40944	9.560058	17.34040	1517.397
#1	14.75617	74.22137	79.37911	-20.1960	14.56690	18.33992	-.092732
#2	12.43666	69.35095	76.29410	-27.2845	15.14417	17.57794	-1.11888
#3	13.29874	72.10083	80.32900	-22.6337	12.57568	23.91236	1.469283
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.924478	771.9901	4400.933
SDEV	.342026	7.1467	52.384
%RSD	17.77240	.9257564	1.190297
#1	1.882162	764.5619	4398.267
#2	2.285693	772.5910	4349.933
#3	1.605579	778.8174	4454.600
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005132-20 OPERATOR:
RUN TIME: 06/11/10 16:49:52
COMMENT: SDG:1005132 CLIENTID:SB71D-4-5 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0570646	191674.8	476.3342	2.204230	928.9791	3.270569	11.43225
SDEV	.0861657	1839.1	2.2004	.161997	10.4217	.038331	.51760
%RSD	150.9967	.9594743	.4619420	7.349351	1.121846	1.172007	4.527540
#1	.0684775	189623.3	478.5269	2.386707	917.0416	3.313846	10.97956
#2	.1369550	193175.6	474.1262	2.077363	936.2648	3.240890	11.32064
#3	-.034239	192225.6	476.3496	2.148619	933.6308	3.256971	11.99655
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	145.0719	35.36778	25599.13	6170.275	3367.635	105.5709	676.6807
SDEV	1.5542	.37173	136.68	62.194	10.388	.4178	20.5930
%RSD	1.071323	1.051046	.5339196	1.007963	.3084603	.3957866	3.043230
#1	143.4540	35.00155	25459.88	6242.059	3355.828	105.5579	700.2446
#2	145.2085	35.74477	25604.44	6132.527	3371.711	105.1597	667.6602
#3	146.5533	35.35701	25733.08	6136.240	3375.368	105.9951	662.1372
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	118.1483	.1573674	128.5702	98.36972	117.6832	2.525336	13.15980
SDEV	1.5830	4.221860	.6698	.31027	2.0071	.853078	1.57129
%RSD	1.339844	2682.805	.5209811	.3154094	1.705529	33.78078	11.94011
#1	116.3874	4.778019	128.1405	98.58928	115.7040	3.239488	11.36887
#2	119.4534	-.807117	129.3420	98.01476	119.7171	2.755825	14.30703
#3	118.6040	-3.49880	128.2281	98.50511	117.6285	1.580695	13.80349
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	9.521700	114.4016	119.3183	-21.4924	14.51357	20.98389	-.781924
SDEV	.728749	2.3597	2.8168	1.4329	1.84134	4.05655	1.166778
%RSD	7.653559	2.062683	2.360779	6.667094	12.68700	19.33176	149.2187
#1	8.680779	114.9044	116.1000	-21.4708	15.57349	23.17611	-1.75366
#2	9.968863	116.4694	121.3353	-22.9359	15.57984	23.47264	-1.10425
#3	9.915460	111.8310	120.5196	-20.0703	12.38738	16.30291	.5121324
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.7338876	1033.744	4640.889
SDEV	.1818032	12.708	9.753
%RSD	24.77262	1.229303	.2101457
#1	.9324781	1019.285	4629.733
#2	.5756536	1043.139	4647.800
#3	.6935311	1038.808	4645.133
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052615-BLK1 OPERATOR:
RUN TIME: 06/11/10 16:57:00
COMMENT: SDG:1005133 CLIENTID:PBS 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.5478201	43.86534	.6537605	.7163878	539.1444	.4086753	1.407982
SDEV	.4165325	6.08473	.0836738	.1710989	.9529	.0961648	.301217
%RSD	76.03453	13.87137	12.79885	23.88356	.1767488	23.53085	21.39352
#1	.2739101	50.88593	.7357786	.9115784	538.1573	.4615547	1.741683
#2	.3423876	40.11565	.5685238	.6452560	539.2167	.2976750	1.326068
#3	1.027163	40.59443	.6569792	.5923290	540.0590	.4667961	1.156194
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000
LOW	-5.00000	-200.000	-200.000	-5.00000	-5000.00	-5.00000	-5.00000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3.581420	.4847116	48.53271	-1397.43	35.87568	1.269825	481.0557
SDEV	.202657	.1569258	4.80386	4.75	2.11698	.086052	43.5192
%RSD	5.658552	32.37509	9.898184	.3397175	5.900867	6.776685	9.046610
#1	3.610611	.3123698	43.51327	-1392.83	36.65894	1.185013	518.2562
#2	3.767899	.5224115	53.08717	-1402.31	33.47869	1.267396	433.1977
#3	3.365752	.6193535	48.99768	-1397.15	37.48941	1.357065	491.7133
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000
LOW	-5.00000	-5.00000	-100.000	-5000.00	-5000.00	-10.0000	-5000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.7995632	-7.64264	.3578716	3.902121	H3.992417	.0825324	H13.13039
SDEV	.4770768	3.52739	.2186423	.221267	1.108261	.8644822	1.03010
%RSD	59.66718	46.15408	61.09520	5.670435	27.75915	1047.446	7.845136
#1	.7253142	-4.98215	.4905201	3.929062	2.735559	1.016866	H14.31120
#2	.3639642	L-11.6438	.1055157	4.108685	H4.412340	-.688929	H12.41600
#3	1.309411	-6.30197	.4775788	3.668617	H4.829351	-.080339	H12.66398
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC PASS	LC HIGH
HIGH	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000
LOW	-40.0000	-10.0000	-20.0000	-20.0000	-3.00000	-5.00000	-10.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.51737	13.46504	-.739444	-21.1695	10.68999	17.25112	.8301624
SDEV	.64558	1.91147	1.149843	4.5492	3.02364	1.22895	.3134055
%RSD	42.54615	14.19579	155.5010	21.48932	28.28477	7.123862	37.75232
#1	-2.14231	12.13801	-1.96129	-24.7956	13.90107	18.66777	.6616328
#2	-.852954	12.60115	.3214288	-22.6480	10.27152	16.61439	1.191774
#3	-1.55685	15.65596	-.578469	-16.0650	7.897386	16.47119	.6370803
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	10.00000					100.0000	50.00000
LOW	-10.0000					-100.000	-50.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.1620031	.1755192	4553.200
SDEV	.4898254	.0931697	37.435
%RSD	302.3556	53.08233	.8221719
#1	.0111466	.1996602	4511.800
#2	-.234650	.0726550	4563.133
#3	.7095125	.2542425	4584.667
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	5.000000	40.00000	
LOW	-5.00000	-40.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052615-BS1 OPERATOR:
RUN TIME: 06/11/10 17:04:09
COMMENT: SDG:1005133 CLIENTID:LCSS 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	803.5038	79550.93	1468.395	1298.936	37916.98	2037.351	623.7800
SDEV	3.7548	423.16	10.939	4.120	148.90	4.558	2.5297
%RSD	.4673034	.5319378	.7449935	.3171571	.3926901	.2237125	.4055392
#1	799.2011	80039.53	1455.798	1302.741	38065.00	2032.088	625.8071
#2	805.1929	79302.50	1473.882	1299.505	37918.70	2040.008	620.9451
#3	806.1174	79310.76	1475.505	1294.561	37767.22	2039.956	624.5877
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1110.000	108000.0	1840.000	1690.000	52200.00	2770.000	811.0000
LOW	490.0000	43900.00	1280.000	1170.000	34200.00	1880.000	561.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	605.3336	1377.173	158443.5	26809.40	20105.60	2867.955	4085.811
SDEV	4.8547	5.714	491.7	147.84	131.36	9.080	78.706
%RSD	.8019948	.4149077	.3103535	.5514494	.6533429	.3165878	1.926331
#1	609.9487	1373.047	158984.1	26930.24	20255.75	2875.747	4114.916
#2	600.2703	1374.776	158022.9	26644.56	20011.93	2857.984	4145.820
#3	605.7817	1383.695	158323.3	26853.40	20049.12	2870.132	3996.698
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	738.0000	1540.000	214000.0	30600.00	27300.00	3650.000	6580.000
LOW	477.0000	1080.000	74200.00	17000.00	17100.00	2430.000	2540.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	451.8159	1443.733	739.3210	1037.348	655.0234	685.6429	786.2303
SDEV	2.5078	4.306	3.5353	4.747	3.9968	1.4177	3.3324
%RSD	.5550548	.2982687	.4781765	.4576477	.6101769	.2067644	.4238493
#1	449.4733	1448.688	741.5642	1032.572	650.4086	684.0059	789.7065
#2	454.4614	1441.611	735.2457	1042.066	657.3795	686.4518	785.9211
#3	451.5129	1440.899	741.1530	1037.406	657.2821	686.4708	783.0632
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	588.0000	1970.000	930.0000	1410.000	918.0000	1030.000	1730.000
LOW	404.0000	1190.000	517.0000	905.0000	619.0000	626.0000	30.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	729.3992	642.3095	661.3679	671.9568	692.4726	1641.892	-.918410
SDEV	2.3347	2.8980	5.2499	2.5576	3.3759	3.235	1.801044
%RSD	.3200899	.4511782	.7937971	.3806132	.4875142	.1970264	196.1046
#1	732.0093	640.2627	655.4711	674.8177	688.5901	1640.623	.3776252
#2	727.5099	641.0403	665.5339	669.8918	694.7164	1645.569	-.157889
#3	728.6783	645.6255	663.0988	671.1609	694.1113	1639.484	-2.97497
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	NOCHECK
HIGH	973.0000					2280.000	
LOW	645.0000					1220.000	

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	590.8296	3385.473	4807.866
SDEV	2.4396	9.498	31.236
%RSD	.4129147	.2805523	.6496863
#1	588.4082	3396.366	4771.933
#2	593.2871	3381.128	4823.133
#3	590.7936	3378.924	4828.533
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	705.0000	4510.000	
LOW	463.0000	1110.000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV OPERATOR:
RUN TIME: 06/11/10 17:11:18
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	103.0016	47022.25	958.5155	1001.096	48094.06	969.5772	983.4121
SDEV	.5983	665.99	3.4865	10.743	717.34	7.7758	14.3134
%RSD	.5808456	1.416339	.3637390	1.073108	1.491540	.8019754	1.455486
#1	103.5038	47517.40	955.6319	1012.748	48922.36	977.4692	999.7054
#2	103.1614	46265.10	957.5244	991.5851	47674.98	969.3393	977.6677
#3	102.3397	47284.26	962.3903	998.9556	47684.84	961.9231	972.8632
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	951.8998	1007.462	24235.66	51278.90	49798.39	975.6985	50226.95
SDEV	14.9976	3.386	226.03	463.63	343.12	15.1605	563.92
%RSD	1.575543	.3360564	.9326197	.9041351	.6890228	1.553809	1.122740
#1	967.7328	1010.887	24496.65	51357.89	50086.89	993.1109	50664.54
#2	937.9076	1004.117	24106.21	50780.85	49418.96	965.4283	49590.56
#3	950.0591	1007.381	24104.13	51697.96	49889.33	968.5562	50425.76
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	968.4421	976.1805	969.8641	1047.225	966.7694	989.8021	998.9688
SDEV	10.2777	6.4297	8.3872	15.289	6.1483	7.5132	3.4356
%RSD	1.061264	.6586593	.8647832	1.459965	.6359622	.7590609	.3439104
#1	979.8161	983.5075	976.0200	1062.781	971.8605	997.1788	998.5346
#2	965.6889	973.5554	960.3113	1046.676	959.9387	982.1595	995.7710
#3	959.8215	971.4788	973.2610	1032.217	968.5089	990.0678	1002.601
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1007.991	958.4352	970.9275	993.2735	988.0665	1012.864	980.6219
SDEV	5.935	7.1371	9.4819	9.7573	6.8639	8.857	6.8368
%RSD	.5888303	.7446662	.9765770	.9823403	.6946790	.8744069	.6971927
#1	1014.719	964.8367	975.3642	1004.280	993.6310	1023.078	987.4622
#2	1003.495	959.7294	960.0407	985.6860	980.3965	1007.317	973.7885
#3	1005.760	950.7395	977.3776	989.8541	990.1721	1008.197	980.6152
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1009.161	969.3826	4624.667
SDEV	3.637	10.9172	34.734
%RSD	.3604413	1.126203	.7510600
#1	1011.895	977.8609	4606.200
#2	1005.033	957.0642	4664.733
#3	1010.555	973.2228	4603.066
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB OPERATOR:
RUN TIME: 06/11/10 17:18:27
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3538005	54.05367	.2578793	1.156789	382.5157	.4829570	1.264445
SDEV	.2279729	6.14873	.0334621	.204597	2.5012	.0567377	.120085
%RSD	64.43543	11.37524	12.97586	17.68664	.6538688	11.74799	9.497058
#1	.2396713	60.94164	.2554729	1.367981	381.1332	.5418177	1.134243
#2	.2054325	49.11844	.2924796	1.142891	381.0110	.4784411	1.288242
#3	.6162977	52.10091	.2256855	.9594956	385.4029	.4286122	1.370850
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.040293	.1615702	11.59702	-1423.23	17.44731	.4612598	25.19221
SDEV	.573416	.6334994	14.08179	3.41	3.83796	.1429839	27.71534
%RSD	55.12059	392.0892	121.4260	.2396031	21.99741	30.99856	110.0155
#1	.7616444	-.430855	7.671685	-1427.01	13.67753	.5032539	-4.85488
#2	.6594521	.0861704	-.105626	-1420.38	17.31443	.3019812	49.75618
#3	1.699782	.8293952	27.22500	-1422.31	21.34999	.5785441	30.67532
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.8088482	5.218605	.3376865	1.533199	.3545038	1.798304	2.502455
SDEV	1.000441	1.941152	.2469260	.961000	1.129133	.659176	1.639700
%RSD	123.6871	37.19675	73.12287	62.67942	318.5108	36.65544	65.52367
#1	.6634386	3.027099	.0938918	.6891837	1.490887	1.267100	1.395392
#2	-.110931	6.721846	.5876291	1.331308	.3398611	1.591804	1.725788
#3	1.874037	5.906870	.3315385	2.579106	-.767237	2.536008	4.386184
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.865422	3.091353	-1.01451	-.140213	2.763471	-2.34581	1.673515
SDEV	2.107555	.898969	2.12935	2.980600	.626026	.63097	1.979435
%RSD	112.9800	29.08011	209.8905	2125.771	22.65359	26.89764	118.2801
#1	1.064503	2.350270	1.059159	-3.18313	3.486198	-1.64939	-.223178
#2	.2757353	2.832416	-.907190	-.011405	2.389566	-2.87940	1.517289
#3	4.256028	4.091373	-3.19549	2.773895	2.414649	-2.50864	3.726435
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.544935	.3282940	4575.955
SDEV	.341342	.3508137	76.167
%RSD	22.09426	106.8596	1.664505
#1	1.698260	.2202794	4503.733
#2	1.782729	.0441891	4568.600
#3	1.153816	.7204135	4655.533
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005133-01 OPERATOR:
RUN TIME: 06/11/10 17:25:36
COMMENT: SDG:1005133 CLIENTID:SS73-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.02716	47488.87	126.4782	1.587201	4012.448	1.313843	3.788998
SDEV	.20827	262.27	1.0589	.295715	31.188	.327149	.477395
%RSD	20.27587	.5522736	.8371947	18.63125	.7772707	24.90019	12.59951
#1	-.787491	47682.03	127.5882	1.815820	3996.915	1.686111	3.834243
#2	-1.12988	47594.29	126.3671	1.692544	4048.351	1.183289	4.242160
#3	-1.16412	47190.30	125.4792	1.253238	3992.076	1.072129	3.290591
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	36.67206	6.899058	14045.61	-31.9336	1732.971	115.7443	618.0252
SDEV	.40305	.024681	137.56	23.2210	16.109	1.5263	56.2745
%RSD	1.099059	.3577411	.9793618	72.71656	.9295522	1.318669	9.105540
#1	37.07904	6.904445	14126.27	-7.52560	1745.702	116.9898	679.5187
#2	36.66408	6.872129	14123.78	-34.5249	1738.351	116.2015	569.0925
#3	36.27306	6.920601	13886.78	-53.7502	1714.861	114.0417	605.4642
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	14.41216	-2.85813	52.25912	47.18504	65.53513	1.541293	11.52546
SDEV	.93278	1.11329	1.27841	1.12931	1.48102	1.684079	.78593
%RSD	6.472206	38.95157	2.446290	2.393374	2.259894	109.2640	6.819066
#1	15.44974	-4.03224	53.35811	46.73677	66.34365	2.786147	11.70140
#2	13.64305	-1.81775	52.56314	48.46967	63.82583	2.212650	10.66648
#3	14.14370	-2.72441	50.85610	46.34869	66.43593	-.374918	12.20852
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	7.730609	68.45828	64.07283	-23.4874	14.03429	17.39579	.0828750
SDEV	2.359061	.58563	2.28984	3.9300	4.46217	3.39198	1.434469
%RSD	30.51584	.8554515	3.573814	16.73250	31.79478	19.49885	1730.882
#1	9.486599	67.81560	65.60584	-25.5949	16.95280	20.72189	1.710568
#2	8.656095	68.59748	61.44064	-25.9142	16.25236	13.94157	-.996797
#3	5.049134	68.96177	65.17202	-18.9532	8.897714	17.52392	-.465146
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.427983	667.3724	4666.489
SDEV	.199920	.6987	55.784
%RSD	14.00019	.1046992	1.195426
#1	1.640996	667.0489	4626.066
#2	1.398530	666.8941	4643.267
#3	1.244422	668.1743	4730.133
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052615-DUP1 OPERATOR:
RUN TIME: 06/11/10 17:32:45
COMMENT: SDG:1005133 CLIENTID:SS73-0-1D 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.878795	47084.23	129.9783	1.707902	3924.772	1.076942	2.082043
SDEV	.098839	641.30	1.3428	.121097	40.209	.275281	.752062
%RSD	11.24708	1.362021	1.033090	7.090400	1.024482	25.56140	36.12137
#1	-.821730	47445.72	130.5100	1.842651	3944.347	.8798523	2.828282
#2	-.821730	47463.18	130.9738	1.608179	3951.444	1.391465	2.093556
#3	-.992924	46343.79	128.4511	1.672875	3878.524	.9595079	1.324290
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	40.44623	9.618829	19476.47	-4.93303	1709.646	115.1380	625.5504
SDEV	.87068	.294838	139.63	17.88398	19.609	.9492	8.8206
%RSD	2.152678	3.065216	.7169265	362.5355	1.146951	.8243775	1.410052
#1	41.35681	9.764241	19627.29	12.35335	1728.674	116.1283	635.3108
#2	40.36001	9.812714	19450.43	-3.79242	1710.759	115.0496	618.1495
#3	39.62187	9.279531	19351.69	-23.3600	1689.504	114.2361	623.1910
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	15.06014	-2.43627	57.50028	45.98356	66.17735	3.296508	13.56777
SDEV	.36236	3.22923	.60248	.42962	.95770	.936374	.79928
%RSD	2.406092	132.5485	1.047782	.9343009	1.447173	28.40502	5.891000
#1	15.34963	-4.65231	58.13578	46.38387	67.22450	2.365636	13.80278
#2	15.17702	1.268832	57.42764	46.03715	65.96169	3.285599	14.22321
#3	14.65376	-3.92532	56.93742	45.52965	65.34587	4.238288	12.67734
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	7.141482	72.47383	63.03083	-18.9474	14.39914	16.62064	1.216512
SDEV	1.997657	2.00800	1.42087	7.0403	2.52067	2.17081	2.458868
%RSD	27.97259	2.770655	2.254240	37.15725	17.50569	13.06093	202.1244
#1	6.492416	73.96718	63.85518	-27.0389	17.04316	18.29899	3.997131
#2	9.382957	70.19109	63.84716	-14.2213	12.02326	14.16909	.3233446
#3	5.549072	73.26323	61.39017	-15.5821	14.13101	17.39385	-.670939
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.322601	649.5972	4552.956
SDEV	.487359	6.0055	43.335
%RSD	36.84854	.9244943	.9517897
#1	1.338813	652.4612	4512.667
#2	1.801651	653.6346	4547.400
#3	.8273378	642.6959	4598.800
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052615-MS1 OPERATOR:
RUN TIME: 06/11/10 17:39:53
COMMENT: SDG:1005133 CLIENTID:SS73-0-1S 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	45.27505	60304.52	2033.044	49.20951	3903.459	47.33564	474.2326
SDEV	.32361	352.01	11.874	.16520	6.382	.10904	4.4330
%RSD	.7147704	.5837154	.5840405	.3356995	.1635057	.2303610	.9347802
#1	45.16092	60178.08	2024.158	49.39893	3900.145	47.32026	470.3988
#2	45.02397	60702.29	2046.529	49.13422	3910.816	47.45155	473.2121
#3	45.64027	60033.20	2028.444	49.09536	3899.415	47.23510	479.0869
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	230.6403	258.2435	15539.96	999.2734	2127.503	581.6006	589.2696
SDEV	2.4054	.6581	87.34	9.2443	5.651	2.7681	47.3634
%RSD	1.042939	.2548323	.5620600	.9250990	.2656169	.4759372	8.037649
#1	233.4086	257.5487	15634.19	1009.191	2134.013	584.7339	553.3594
#2	229.4517	258.3243	15461.71	997.7346	2123.871	579.4872	571.5017
#3	229.0605	258.8574	15523.98	990.8951	2124.624	580.5807	642.9478
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	473.5050	37.33907	542.2817	500.4798	82.98387	9.643189	372.1981
SDEV	.6763	.69583	3.1752	1.9552	1.57775	1.174990	1.0427
%RSD	.1428338	1.863550	.5855234	.3906657	1.901278	12.18466	.2801453
#1	473.4057	37.79328	538.6381	500.7393	84.69375	9.970909	371.9749
#2	472.8838	36.53799	544.4574	498.4078	82.67348	10.61953	373.3343
#3	474.2255	37.68594	543.7495	502.2923	81.58437	8.339131	371.2850
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	41.45581	86.50176	81.22425	-12.2013	20.54639	932.9554	920.9086
SDEV	.65814	3.68270	.91021	1.6121	2.10092	5.9817	7.8038
%RSD	1.587582	4.257367	1.120612	13.21213	10.22523	.6411516	.8474036
#1	41.40993	90.75410	81.66476	-14.0627	21.96699	938.0481	929.7529
#2	40.82180	84.35561	81.83039	-11.2577	21.53909	926.3682	914.9920
#3	42.13569	84.39555	80.17759	-11.2835	18.13307	934.4501	917.9810
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	954.8607	1675.270	4528.511
SDEV	3.2454	1.112	33.665
%RSD	.3398783	.0663863	.7434027
#1	954.5909	1674.315	4490.400
#2	951.7587	1676.491	4540.933
#3	958.2326	1675.005	4554.200
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052615-MSD1 OPERATOR:
RUN TIME: 06/11/10 17:47:02
COMMENT: SDG:1005133 CLIENTID:SS73-0-1SD 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	42.84410	60641.19	2070.927	48.36398	5375.696	45.35186	457.4377
SDEV	.52413	686.75	15.857	.26633	42.267	.47465	4.2736
%RSD	1.223332	1.132486	.7656869	.5506687	.7862654	1.046600	.9342493
#1	42.52454	61071.40	2054.444	48.15768	5363.681	45.07041	452.6094
#2	42.55878	61003.00	2072.262	48.26962	5340.736	45.08530	460.7347
#3	43.44899	59849.18	2086.073	48.66464	5422.669	45.89988	458.9690
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	219.3659	264.7547	15471.30	1020.058	2125.309	567.5463	582.6107
SDEV	3.0775	1.4412	88.26	30.200	21.075	3.9340	9.1879
%RSD	1.402917	.5443664	.5704538	2.960653	.9916048	.6931607	1.577030
#1	220.0766	263.6561	15414.15	1016.923	2136.771	564.8478	572.0588
#2	222.0259	264.2216	15572.95	1051.703	2138.169	572.0602	586.9318
#3	215.9952	266.3866	15426.81	991.5468	2100.987	565.7309	588.8415
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	458.2451	38.84031	517.7385	472.2700	94.72691	10.79650	365.3084
SDEV	1.8196	2.22945	7.1038	7.4204	2.19805	3.66566	3.7102
%RSD	.3970772	5.740039	1.372090	1.571214	2.320412	33.95231	1.015631
#1	456.7868	39.34157	521.7512	466.7228	93.20829	13.64556	361.7471
#2	457.6643	40.77647	521.9280	469.3883	97.24741	6.661028	369.1514
#3	460.2842	36.40291	509.5364	480.6990	93.72502	12.08292	365.0265
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	43.41533	99.81587	92.18285	-8.78354	20.56912	900.9386	917.2581
SDEV	.77644	3.54088	3.69249	5.32457	2.92310	5.0947	2.5795
%RSD	1.788404	3.547415	4.005619	60.61993	14.21110	.5654934	.2812227
#1	43.98200	96.46780	91.57758	-5.54701	23.22471	897.1012	916.8647
#2	42.53031	99.45750	96.14059	-14.9289	17.43706	898.9957	920.0117
#3	43.73368	103.5223	88.83040	-5.87469	21.04557	906.7189	914.8978
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	938.2740	1572.356	4436.489
SDEV	4.8588	13.521	63.748
%RSD	.5178481	.8599052	1.436892
#1	934.4987	1581.888	4408.333
#2	936.5674	1578.299	4391.667
#3	943.7559	1556.882	4509.466
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: SDI1005133-01 OPERATOR:
RUN TIME: 06/11/10 17:54:10
COMMENT: SDG:1005133 CLIENTID:SS73-0-1L 1:5
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.273910	16633.69	43.59080	1.200954	1567.965	.1934978	.5985221
SDEV	.181174	126.84	.22010	.025298	8.344	.1151989	.2100423
%RSD	66.14378	.7625572	.5049339	2.106524	.5321721	59.53502	35.09349
#1	-.342388	16560.00	43.77839	1.178734	1564.153	.1100602	.5029558
#2	-.068478	16780.15	43.34850	1.195641	1577.534	.1454980	.8393547
#3	-.410865	16560.91	43.64551	1.228486	1562.207	.3249352	.4532558
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	12.55892	1.868832	4789.623	-936.697	634.1684	39.17836	248.3240
SDEV	.60625	.197442	33.137	.841	.4354	.59180	24.3458
%RSD	4.827247	10.56502	.6918431	.0898239	.0686572	1.510522	9.804031
#1	12.10864	1.653404	4784.834	-937.007	633.9728	39.01031	223.5179
#2	13.24826	1.911917	4824.893	-937.340	634.6673	39.83601	249.2724
#3	12.31987	2.041174	4759.140	-935.745	633.8651	38.68876	272.1817
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	5.353525	-1.23103	17.59548	16.45373	24.07736	1.502161	5.556727
SDEV	.663115	2.56842	.31868	.11858	1.10990	2.142123	1.009271
%RSD	12.38652	208.6395	1.811125	.7206966	4.609703	142.6028	18.16305
#1	5.300254	-3.83292	17.84091	16.34194	22.93042	2.811158	5.513242
#2	6.041669	1.302559	17.71020	16.44114	24.15559	2.665240	6.587039
#3	4.718652	-1.16274	17.23532	16.57810	25.14607	-.969915	4.569902
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.840318	27.14344	22.54389	-7.52856	6.008127	5.385040	.8494483
SDEV	.598446	.86165	1.42173	4.55905	1.118566	2.631387	1.129978
%RSD	32.51860	3.174432	6.306521	60.55676	18.61755	48.86476	133.0249
#1	2.457640	26.22674	21.28212	-5.82093	7.118112	6.933540	2.147870
#2	1.262729	27.93673	22.26522	-4.06984	6.025097	2.346766	.3117087
#3	1.800584	27.26685	24.08432	-12.6949	4.881172	6.874816	.0887664
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.807437	226.8273	4599.155
SDEV	1.247976	2.3013	14.935
%RSD	69.04671	1.014543	.3247247
#1	2.938959	226.2817	4611.066
#2	2.014456	229.3523	4582.400
#3	.4688969	224.8478	4603.999
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052615-PS1 OPERATOR:
RUN TIME: 06/11/10 18:01:18
COMMENT: SDG:1005133 CLIENTID:SS73-0-1A 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	17.39329	48569.36	521.1340	11.76619	3943.705	10.48075	101.9065
SDEV	.20827	363.42	10.6096	.22473	6.878	.26449	.6897
%RSD	1.197396	.7482412	2.035868	1.909981	.1744004	2.523568	.6767799
#1	17.15362	48965.78	533.0383	12.02323	3936.325	10.56177	101.1185
#2	17.49601	48490.38	512.6758	11.66853	3944.857	10.18523	102.2002
#3	17.53025	48251.94	517.6881	11.60681	3949.935	10.69525	102.4006
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	55.68706	60.89052	14097.79	13.36046	1739.893	145.3101	682.2983
SDEV	.48129	.32368	62.63	23.51502	10.471	1.0928	23.9904
%RSD	.8642817	.5315788	.4442823	176.0046	.6018318	.7520223	3.516115
#1	55.64146	60.86898	14164.42	40.50917	1748.461	146.5134	685.5299
#2	56.18954	61.22443	14088.84	-.622125	1742.998	145.0372	704.5092
#3	55.23020	60.57815	14040.11	.1943282	1728.221	144.3796	656.8560
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	91.14682	14.59038	151.9889	84.17893	68.96343	10.62028	123.3282
SDEV	.98798	1.47672	.5943	.56224	.74839	.41889	3.2837
%RSD	1.083938	10.12117	.3910292	.6679103	1.085203	3.944264	2.662590
#1	91.91808	12.96026	152.5396	83.52999	68.97369	10.13861	121.6626
#2	90.03320	14.97214	152.0680	84.51991	69.70664	10.89944	127.1109
#3	91.48918	15.83872	151.3589	84.48689	68.20996	10.82278	121.2110
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	27.38343	71.72022	67.58385	-14.3834	23.10070	17.40788	.2305278
SDEV	2.17556	1.43084	.46828	2.3032	1.50755	1.80817	1.177332
%RSD	7.944804	1.995027	.6928899	16.01256	6.526007	10.38706	510.7117
#1	27.69920	72.16119	67.37893	-13.5883	21.98157	18.69794	1.583925
#2	25.06724	72.87867	68.11967	-16.9788	24.81499	18.18457	-.557300
#3	29.38386	70.12080	67.25297	-12.5832	22.50554	15.34113	-.335041
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.510006	670.0195	4505.222
SDEV	.169516	3.7598	41.173
%RSD	6.753616	.5611523	.9138859
#1	2.705706	672.8310	4457.999
#2	2.408723	671.4788	4533.600
#3	2.415588	665.7488	4524.066
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005133-02 OPERATOR:
RUN TIME: 06/11/10 18:08:26
COMMENT: SDG:1005133 CLIENTID:SB74-4-5 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1940196	67560.34	82.97392	1.226868	715.0793	1.396898	3.898307
SDEV	.1296258	269.48	.47724	.255031	2.6304	.128120	.186202
%RSD	66.81068	.3988786	.5751727	20.78716	.3678414	9.171736	4.776495
#1	.3423876	67485.24	82.42391	1.464967	712.0447	1.264795	4.113223
#2	.1369550	67859.40	83.21927	.9577438	716.7073	1.520623	3.785396
#3	.1027163	67336.36	83.27858	1.257892	716.4860	1.405275	3.796303
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	87.57631	26.37907	19315.35	2998.042	2820.743	55.25839	538.5107
SDEV	.83747	.37557	109.84	21.120	16.483	.32733	20.0039
%RSD	.9562705	1.423746	.5686924	.7044730	.5843483	.5923699	3.714671
#1	88.42283	25.95360	19407.65	3019.380	2836.997	55.62724	543.4181
#2	87.55790	26.66451	19193.86	2977.146	2804.041	55.00250	516.5097
#3	86.74820	26.51910	19344.54	2997.601	2821.191	55.14542	555.6041
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	11.32190	-6.83070	97.37981	39.20435	56.51047	3.416884	12.43184
SDEV	.20764	.87802	.47206	.47795	1.01165	1.104931	1.84699
%RSD	1.833971	12.85404	.4847656	1.219136	1.790193	32.33738	14.85692
#1	11.49733	-6.04796	97.56952	38.91593	55.98773	2.207664	10.80542
#2	11.37572	-7.78011	97.72750	39.75606	57.67654	4.373932	12.05029
#3	11.09264	-6.66403	96.84240	38.94107	55.86713	3.669056	14.43980
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	13.41506	60.31113	54.61006	-16.5762	13.39583	20.32545	-.201681
SDEV	1.37468	2.06215	2.09844	3.7798	2.44111	1.82717	1.356032
%RSD	10.24729	3.419194	3.842595	22.80244	18.22293	8.989553	672.3648
#1	11.85684	62.67418	52.64656	-15.4153	11.00329	22.03245	1.176559
#2	14.45629	59.38351	56.82143	-13.5130	13.30143	18.39810	-.247245
#3	13.93204	58.87569	54.36219	-20.8003	15.88278	20.54580	-1.53436
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	3.502677	730.1475	4644.088
SDEV	.648500	2.7059	38.394
%RSD	18.51440	.3705974	.8267217
#1	4.009279	728.1428	4602.733
#2	2.771812	733.2254	4678.600
#3	3.726941	729.0745	4650.933
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005133-03 OPERATOR:
RUN TIME: 06/11/10 18:15:34
COMMENT: SDG:1005133 CLIENTID:SS75-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2168455	97784.82	98.61661	1.695964	3001.718	1.516702	3.094840
SDEV	.4141805	859.93	1.12535	.055152	10.092	.449990	.105692
%RSD	191.0026	.8794139	1.141132	3.251933	.3362062	29.66898	3.415116
#1	.0684775	97234.73	98.68032	1.676469	3001.586	1.762275	3.104322
#2	-.102716	98775.78	97.46077	1.758215	2991.693	.9973531	2.984726
#3	.6847752	97343.95	99.70875	1.653207	3011.876	1.790477	3.195472
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	91.00572	6.554375	19435.78	1794.356	2842.519	68.43424	534.5850
SDEV	1.52795	.495453	64.44	33.329	12.609	.44482	70.3314
%RSD	1.678961	7.559124	.3315307	1.857462	.4435811	.6499975	13.15626
#1	91.45705	6.807503	19509.29	1762.580	2846.921	68.66731	469.1387
#2	92.25717	6.872129	19408.97	1829.047	2852.337	68.71410	525.6657
#3	89.30295	5.983493	19389.08	1791.439	2828.299	67.92132	608.9506
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	17.46013	-3.17697	112.1715	31.36672	57.99336	4.099017	9.474170
SDEV	.93215	5.32717	.5923	.97754	1.15715	1.378772	4.403926
%RSD	5.338742	167.6805	.5280613	3.116483	1.995323	33.63665	46.48351
#1	18.51889	-6.47731	112.7978	32.08805	57.08754	5.388132	12.69735
#2	17.09863	-6.02231	112.0967	31.75795	59.29693	4.263562	11.26888
#3	16.76288	2.968697	111.6202	30.25417	57.59560	2.645356	4.456276
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3.951567	64.85773	54.56300	-12.8085	12.53735	19.96250	.5079379
SDEV	5.161034	13.46268	7.41438	12.1532	7.86088	4.09440	1.359002
%RSD	130.6073	20.75725	13.58867	94.88397	62.69965	20.51045	267.5527
#1	9.549742	56.99120	57.13220	-17.5396	16.83207	18.50321	.3645169
#2	2.922112	57.17926	60.35106	-21.8847	17.31531	16.79767	-.773665
#3	-.617153	80.40271	46.20574	.9987764	3.464684	24.58662	1.932962
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.801708	765.3850	4388.466
SDEV	.608740	4.3386	44.208
%RSD	33.78685	.5668498	1.007364
#1	1.639625	764.1072	4390.667
#2	1.290414	770.2189	4343.200
#3	2.475086	761.8287	4431.533
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005133-04 OPERATOR:
RUN TIME: 06/11/10 18:22:43
COMMENT: SDG:1005133 CLIENTID:SS75-3.5-4.5 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.068478	135374.4	125.8074	1.551570	635.9824	2.843117	1.626387
SDEV	.102716	1514.3	.6335	.366323	5.4507	.238172	.200544
%RSD	150.0000	1.118618	.5035778	23.60981	.8570597	8.377126	12.33062
#1	-.171194	133765.7	125.1710	1.967778	629.6919	3.029258	1.562616
#2	-.068478	135585.0	126.4380	1.278117	638.9449	2.574720	1.465483
#3	.0342388	136772.3	125.8131	1.408816	639.3102	2.925374	1.851061
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	136.0432	6.279706	50127.67	3676.507	3781.311	82.90459	452.0063
SDEV	1.7853	.246803	569.80	16.852	40.501	.99051	10.2300
%RSD	1.312268	3.930170	1.136688	.4583722	1.071077	1.194757	2.263243
#1	135.7004	6.225849	49931.43	3687.012	3767.686	82.28847	443.9947
#2	134.4543	6.548990	49681.93	3657.069	3749.380	82.37816	463.5297
#3	137.9751	6.064278	50769.65	3685.439	3826.867	84.04717	448.4946
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	16.95820	-1.23309	133.7424	35.69470	79.29543	2.951554	10.97396
SDEV	1.06673	.46931	2.2517	.78584	1.27414	1.348038	1.57413
%RSD	6.290371	38.05989	1.683581	2.201562	1.606824	45.67214	14.34426
#1	16.11507	-1.05536	131.7856	35.21017	78.11739	4.044225	10.39821
#2	16.60209	-.878609	133.2381	35.27253	79.12119	3.365301	9.768760
#3	18.15743	-1.76532	136.2034	36.60139	80.64773	1.445136	12.75491
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	6.841305	75.39507	81.23958	-17.0247	12.92202	17.62460	-.447505
SDEV	.915181	1.93120	.95317	3.8230	2.93311	1.06237	1.547958
%RSD	13.37728	2.561437	1.173282	22.45593	22.69854	6.027795	345.9086
#1	7.002170	73.72985	80.30484	-14.2526	13.17624	16.49252	.6642656
#2	5.856358	74.94321	81.20373	-21.3860	15.71974	17.78147	.2086940
#3	7.665388	77.51212	82.21017	-15.4354	9.870069	18.59983	-2.21547
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.207629	1029.168	4532.222
SDEV	.126686	4.527	24.630
%RSD	10.49048	.4398800	.5434331
#1	1.216424	1024.402	4510.667
#2	1.076775	1033.410	4559.066
#3	1.329689	1029.691	4526.933
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005133-05 OPERATOR:
RUN TIME: 06/11/10 18:29:51
COMMENT: SDG:1005133 CLIENTID:SS63-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.068478	19364.99	89.79229	1.302805	5604.080	.9453704	1.841331
SDEV	.224519	240.41	2.08593	.188342	105.832	.0951577	.423682
%RSD	327.8719	1.241455	2.323066	14.45663	1.888476	10.06566	23.00952
#1	-.308149	19158.16	89.49967	1.279558	5501.601	.9321024	1.576495
#2	-.034239	19628.76	92.00908	1.501692	5712.973	1.046466	2.329983
#3	.1369550	19308.06	87.86811	1.127167	5597.665	.8575430	1.617516
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	27.69598	10.02276	14397.35	502.5179	1281.044	117.2312	621.3303
SDEV	1.51000	.13225	392.16	23.9476	32.415	3.6458	72.5942
%RSD	5.452063	1.319508	2.723807	4.765514	2.530367	3.109960	11.68368
#1	26.16999	10.16817	14014.15	486.1882	1258.189	114.1396	617.8396
#2	29.18947	9.990440	14797.89	530.0087	1318.142	121.2516	695.6069
#3	27.72849	9.909656	14380.00	491.3568	1266.801	116.3024	550.5444
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	6.667039	-4.14075	47.19015	36.36898	85.04394	3.483068	11.99359
SDEV	.812174	4.06312	1.05990	1.17430	1.36633	.177830	1.25638
%RSD	12.18193	98.12514	2.246028	3.228845	1.606610	5.105549	10.47545
#1	6.022049	-5.38606	46.20111	35.26957	83.66219	3.615146	10.54323
#2	7.579125	.3992786	48.30897	37.60604	86.39430	3.553190	12.74783
#3	6.399944	-7.43547	47.06038	36.23134	85.07533	3.280867	12.68970
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3.019228	91.91285	81.61156	-19.2849	14.84722	16.81524	.0661128
SDEV	1.768611	1.02267	2.34904	.5171	.31813	2.34286	1.476167
%RSD	58.57825	1.112654	2.878314	2.681207	2.142692	13.93297	2232.800
#1	1.117588	91.94641	79.52325	-18.7422	14.77432	19.51939	-1.00112
#2	3.325217	90.87381	84.15478	-19.7719	15.19547	15.53136	1.750742
#3	4.614880	92.91833	81.15665	-19.3406	14.57186	15.39495	-.551284
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.618383	832.0422	4422.089
SDEV	.782378	13.0195	52.805
%RSD	48.34322	1.564761	1.194117
#1	2.457658	825.0172	4457.533
#2	.9092135	847.0652	4361.400
#3	1.488277	824.0440	4447.333
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV OPERATOR:
RUN TIME: 06/11/10 18:37:00
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	106.2201	46401.58	950.7639	1013.862	49288.22	993.8590	1003.131
SDEV	.4128	825.55	5.5483	14.592	724.77	11.2522	16.338
%RSD	.3885965	1.779148	.5835603	1.439202	1.470480	1.132170	1.628680
#1	106.6537	46807.69	944.7833	1026.085	50013.21	1003.072	1020.123
#2	106.1744	46945.42	951.7647	1017.795	49287.79	997.1874	1001.735
#3	105.8320	45451.64	955.7437	997.7075	48563.66	981.3181	987.5369
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	975.4756	1023.307	24828.84	49978.20	50015.39	994.8095	49763.20
SDEV	24.9693	8.019	477.39	690.82	843.97	17.5782	717.24
%RSD	2.559703	.7836474	1.922716	1.382233	1.687419	1.766994	1.441309
#1	998.3718	1030.130	25214.91	50184.41	50643.31	1012.340	49915.20
#2	979.2028	1025.315	24976.56	50542.42	50346.84	994.9050	50392.26
#3	948.8522	1014.474	24295.06	49207.76	49056.00	977.1837	48982.14
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	986.4775	980.8986	969.1605	1096.426	983.9535	986.2633	997.6314
SDEV	11.5228	12.7020	23.2035	17.646	14.6600	16.0327	5.9090
%RSD	1.168078	1.294931	2.394189	1.609423	1.489904	1.625598	.5923044
#1	996.6307	980.3338	989.2836	1113.595	991.3021	993.7339	999.7272
#2	988.8480	993.8736	974.4188	1097.343	993.4857	997.1974	1002.207
#3	973.9537	968.4885	943.7790	1078.339	967.0726	967.8587	990.9601
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1016.457	973.9770	988.9314	990.5563	984.1177	1036.363	984.6254
SDEV	14.284	14.9413	15.5351	13.8581	19.0150	11.752	12.3964
%RSD	1.405250	1.534046	1.570901	1.399017	1.932186	1.133935	1.258995
#1	1021.939	974.2210	999.8270	1004.585	988.3143	1045.038	987.5850
#2	1027.187	988.7949	995.8247	990.2094	1000.684	1041.063	995.2740
#3	1000.244	958.9153	971.1424	976.8750	963.3549	1022.989	971.0170
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1016.644	975.6028	4750.222
SDEV	5.711	14.5086	40.505
%RSD	.5617863	1.487147	.8526935
#1	1020.163	980.4689	4752.999
#2	1019.715	987.0529	4708.400
#3	1010.054	959.2866	4789.267
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB OPERATOR:
RUN TIME: 06/11/10 18:44:09
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0114129	31.79455	.0635870	.6461589	372.9193	.3418836	1.550895
SDEV	.2569808	2.68576	.0496437	.1933819	.7602	.1151118	.511697
%RSD	2251.666	8.447242	78.07201	29.92791	.2038498	33.66988	32.99369
#1	.2739101	29.74875	.1181225	.5339512	373.5987	.4745100	1.978243
#2	-.239671	30.79894	.0516132	.5350694	373.0610	.2679275	1.690584
#3	.0000000	34.83595	.0210253	.8694561	372.0983	.2832133	.9838593
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.091318	-.376998	7.303159	-1438.84	5.584929	.3557227	-17.3784
SDEV	.428587	.165823	4.852478	5.64	2.492443	.0510877	56.5910
%RSD	39.27242	43.98523	66.44355	.3921747	44.62802	14.36166	325.6400
#1	1.586201	-.236970	7.985346	-1432.38	8.202970	.3821517	41.78897
#2	.8417280	-.333912	2.145687	-1441.39	5.311123	.3881819	-22.9421
#3	.8460245	-.560111	11.77844	-1442.77	3.240694	.2968346	-70.9821
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1341992	2.622803	-.007326	1.458991	.8025377	.1518754	3.325571
SDEV	.4154430	.595320	.255456	.234142	1.236524	1.460870	1.028458
%RSD	309.5719	22.69784	3487.154	16.04819	154.0767	961.8873	30.92575
#1	-.208379	2.442174	.1924356	1.729348	.0377090	1.276683	4.274234
#2	.0146737	2.138717	-.295167	1.322206	.1407925	.6781625	2.232568
#3	.5963028	3.287517	.0807543	1.325420	2.229112	-1.49922	3.469910
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.322427	.8771146	.7627253	-2.69870	1.572447	-2.72836	-.746972
SDEV	1.217381	1.701202	1.923049	2.73414	1.124041	2.27968	1.012578
%RSD	92.05656	193.9544	252.1286	101.3132	71.48359	83.55492	135.5577
#1	.2560431	2.364426	-1.12646	-1.81150	2.815907	-.278319	-1.10012
#2	2.648800	-.977854	.6966932	-.518340	1.272933	-4.78700	.3948896
#3	1.062439	1.244772	2.717940	-5.76626	.6285004	-3.11977	-1.53568
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.4818584	.2673713	4679.689
SDEV	1.109994	.0759952	48.080
%RSD	230.3569	28.42310	1.027413
#1	1.697452	.1953068	4731.200
#2	-.477842	.2600411	4671.866
#3	.2259653	.3467660	4635.999
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005133-06 OPERATOR:
RUN TIME: 06/11/10 18:51:18
COMMENT: SDG:1005133 CLIENTID:SS63-5.5-6.5 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.136955	110300.3	130.0200	1.655156	1105.445	2.335854	2.813150
SDEV	.149243	1477.6	1.4579	.348942	4.157	.245053	.668413
%RSD	108.9725	1.339576	1.121262	21.08212	.3760909	10.49093	23.76030
#1	-.068478	111490.8	131.6594	2.025450	1103.667	2.437350	3.556198
#2	-.308149	110763.5	129.5313	1.607567	1110.196	2.056359	2.622415
#3	-.034239	108646.7	128.8693	1.332451	1102.473	2.513851	2.260836
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	130.9679	14.01893	37314.44	3386.099	3008.571	61.92786	975.2306
SDEV	1.8645	.36926	407.30	90.230	43.261	.77195	73.8195
%RSD	1.423659	2.634031	1.091528	2.664719	1.437927	1.246529	7.569439
#1	130.8021	13.59346	37521.11	3475.117	3040.961	62.23470	1055.767
#2	132.9097	14.25590	37576.98	3388.475	3025.311	62.49922	959.1424
#3	129.1917	14.20743	36845.24	3294.704	2959.442	61.04968	910.7820
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	18.69286	-2.78807	204.1606	44.99683	53.78534	1.669711	13.66909
SDEV	.50206	.78125	2.9625	.24510	1.00754	.370254	2.94302
%RSD	2.685822	28.02127	1.451043	.5446960	1.873260	22.17470	21.53046
#1	19.22975	-2.99051	206.5740	45.16436	54.67409	1.976100	12.61289
#2	18.23501	-3.44818	205.0535	45.11061	52.69079	1.774746	11.39993
#3	18.61381	-1.92552	200.8545	44.71552	53.99115	1.258288	16.99446
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	15.21628	54.39944	53.47561	-19.3421	12.15719	18.43661	2.103041
SDEV	1.65207	1.81806	.89123	1.9335	.93140	2.74993	1.739051
%RSD	10.85722	3.342061	1.666606	9.996556	7.661299	14.91558	82.69218
#1	13.36111	56.48018	53.76930	-20.2462	13.06784	21.50805	3.093074
#2	15.75908	53.11774	52.47460	-17.1222	11.20635	16.20317	3.121025
#3	16.52866	53.60039	54.18293	-20.6580	12.19738	17.59863	.0950232
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.562699	631.4598	4488.622
SDEV	.497289	4.5955	89.511
%RSD	19.40490	.7277635	1.994168
#1	2.994302	631.5281	4397.533
#2	2.674901	636.0208	4491.866
#3	2.018895	626.8305	4576.466
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005133-07 OPERATOR:
RUN TIME: 06/11/10 18:58:27
COMMENT: SDG:1005133 CLIENTID:SS61-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2396713	32622.64	49.79579	.9838895	949.0007	1.128926	2.440437
SDEV	.0905872	123.01	.25924	.2053054	5.3533	.186634	.570306
%RSD	37.79645	.3770636	.5206080	20.86672	.5640939	16.53202	23.36902
#1	.3081488	32573.24	49.98438	1.151665	942.9354	.9834297	2.600037
#2	.1369550	32762.67	49.90283	1.045049	951.0007	1.339353	2.913941
#3	.2739101	32532.01	49.50017	.7549541	953.0660	1.063996	1.807334
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	33.52818	5.439539	16203.08	-488.735	750.9816	86.23689	523.2615
SDEV	.58140	.235435	79.92	4.694	7.9415	.37271	21.6413
%RSD	1.734053	4.328224	.4932148	.9604158	1.057479	.4321956	4.135854
#1	33.46312	5.175640	16214.97	-489.658	752.6749	86.30182	537.5159
#2	34.13938	5.514939	16276.39	-483.648	757.9398	86.57288	498.3592
#3	32.98206	5.628038	16117.89	-492.899	742.3300	85.83598	533.9095
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	9.835181	-6.32051	44.70724	39.76337	47.82513	2.757431	12.14608
SDEV	.647941	2.33509	1.38753	.33357	.91119	.619751	1.56218
%RSD	6.587992	36.94472	3.103597	.8388996	1.905246	22.47565	12.86164
#1	9.087006	-4.26641	44.02233	40.13589	46.99990	3.458026	12.84401
#2	10.21082	-8.86023	46.30405	39.49228	48.80299	2.280776	13.23763
#3	10.20771	-5.83488	43.79533	39.66195	47.67249	2.533491	10.35660
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3.193326	55.26562	44.10752	-19.2392	13.73666	18.00710	.4738667
SDEV	1.731661	1.81044	2.00268	1.4208	.39581	2.00335	.7808032
%RSD	54.22750	3.275887	4.540440	7.385153	2.881404	11.12532	164.7728
#1	3.240968	57.24055	41.88430	-17.8979	14.11735	17.47384	.1985658
#2	1.438336	54.87183	45.77019	-20.7281	13.76534	20.22312	-.131995
#3	4.900675	53.68449	44.66808	-19.0917	13.32729	16.32434	1.355030
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.127388	831.5707	4636.466
SDEV	.659241	6.7545	41.006
%RSD	58.47506	.8122605	.8844339
#1	1.886448	824.6580	4601.066
#2	.6981568	838.1551	4626.933
#3	.7975604	831.8989	4681.400
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005133-08 OPERATOR:
RUN TIME: 06/11/10 19:05:35
COMMENT: SDG:1005133 CLIENTID:SS61-D-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.000000	21932.66	36.69917	.6257582	884.9790	.8563244	3.104328
SDEV	.271762	99.08	.16062	.0727095	5.6727	.0370921	.445431
%RSD	11E9	.4517326	.4376770	11.61943	.6409934	4.331550	14.34871
#1	-.205433	21819.79	36.87486	.6524472	879.0512	.8216846	2.734551
#2	.3081488	22005.25	36.55985	.6813517	890.3563	.8518295	3.598825
#3	-.102716	21972.95	36.66280	.5434757	885.5295	.8954592	2.979608
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	24.67716	5.590338	9656.874	-587.631	623.5454	74.56547	500.3932
SDEV	.79707	.065297	80.319	2.497	9.5096	.35505	32.7547
%RSD	3.229995	1.168041	.8317248	.4249398	1.525087	.4761608	6.545788
#1	23.77604	5.579566	9564.490	-587.174	612.8698	74.15550	496.0951
#2	24.96549	5.531096	9710.135	-585.395	626.6569	74.76739	535.0847
#3	25.28993	5.660351	9695.998	-590.326	631.1095	74.77351	469.9997
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	7.821609	-5.06542	32.63699	43.95435	26.70052	2.424051	13.62125
SDEV	.914608	2.59085	.55854	.36537	.85713	.752600	.62634
%RSD	11.69335	51.14785	1.711385	.8312496	3.210158	31.04722	4.598265
#1	7.776036	-7.89485	32.01749	43.72707	27.48921	3.131411	13.97945
#2	8.758152	-4.49231	33.10209	43.76017	25.78835	2.507563	12.89802
#3	6.930640	-2.80911	32.79140	44.37581	26.82401	1.633177	13.98627
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3.092226	31.28194	24.41033	-20.5977	13.91507	17.82751	.0076453
SDEV	.623942	.90997	1.69235	3.6992	2.60076	2.03638	.5407248
%RSD	20.17777	2.908919	6.932924	17.95922	18.69028	11.42267	7072.683
#1	3.335526	30.23836	26.11378	-24.4832	16.91540	15.54184	.5109577
#2	3.557865	31.90974	22.72930	-17.1183	12.30316	19.44850	-.563996
#3	2.383288	31.69773	24.38790	-20.1916	12.52664	18.49218	.0759746
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.5356250	855.1932	4643.666
SDEV	.4681003	4.1487	23.162
%RSD	87.39328	.4851226	.4987891
#1	.8092220	854.4460	4644.999
#2	-.004877	859.6648	4619.866
#3	.8025299	851.4689	4666.133
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005133-09 OPERATOR:
RUN TIME: 06/11/10 19:12:43
COMMENT: SDG:1005133 CLIENTID:SB61-6-7 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3994522	150172.0	122.5198	1.584421	1252.492	2.152958	5.356564
SDEV	.1885724	947.0	.4436	.133777	4.964	.278282	.242284
%RSD	47.20775	.6306024	.3620917	8.443256	.3963353	12.92558	4.523117
#1	.6162977	151222.8	122.0128	1.687164	1251.992	1.952496	5.392919
#2	.3081488	149384.7	122.8365	1.632945	1257.687	2.470679	5.578616
#3	.2739101	149908.6	122.7102	1.433154	1247.797	2.035698	5.098157
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	123.1220	12.59172	26383.22	6601.265	3972.219	81.16515	571.4608
SDEV	.8628	.04275	109.44	9.149	19.256	.65572	61.3333
%RSD	.7007693	.3394884	.4147913	.1385960	.4847770	.8078837	10.73272
#1	122.9295	12.60788	26401.19	6606.536	3988.549	81.18269	638.1602
#2	122.3717	12.62404	26482.55	6590.700	3977.124	81.81194	558.7310
#3	124.0648	12.54325	26265.91	6606.558	3950.985	80.50085	517.4914
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	22.32415	-.551434	134.8796	48.08834	43.25386	2.014223	13.19424
SDEV	1.01863	2.406716	1.0444	.64551	.51197	2.289105	1.88694
%RSD	4.562901	436.4471	.7742986	1.342337	1.183644	113.6471	14.30121
#1	21.60790	1.868395	136.0732	47.96246	42.77254	2.711513	14.45370
#2	23.49027	-.577877	134.1340	48.78752	43.79178	-.542440	14.10427
#3	21.87429	-2.94482	134.4315	47.51505	43.19727	3.873595	11.02476
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	4.515000	42.10769	43.82280	-16.7961	11.40264	17.77289	.1278470
SDEV	3.475410	3.32710	.95956	2.9558	3.43796	2.73180	.7871862
%RSD	76.97475	7.901405	2.189628	17.59796	30.15059	15.37062	615.7250
#1	2.286547	38.44704	44.92874	-13.3881	10.74661	17.63081	.5341028
#2	8.519550	44.94762	43.21141	-18.3392	8.339958	15.11490	-.779468
#3	2.738902	42.92840	43.32823	-18.6609	15.12135	20.57296	.6289061
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.223208	1173.080	4584.511
SDEV	.239805	5.050	24.779
%RSD	19.60460	.4304690	.5405018
#1	1.309543	1175.961	4568.667
#2	.9521897	1176.029	4571.800
#3	1.407892	1167.249	4613.066
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005133-10 OPERATOR:
RUN TIME: 06/11/10 19:19:52
COMMENT: SDG:1005133 CLIENTID:SB61D-6-7 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.273910	114615.4	108.5039	1.581794	1076.362	1.515633	4.927008
SDEV	.731941	1290.4	1.5640	.187326	18.700	.340986	.478137
%RSD	267.2195	1.125823	1.441399	11.84264	1.737312	22.49794	9.704408
#1	-.034239	113160.1	106.7085	1.644164	1076.795	1.908245	5.195309
#2	.3081488	115619.8	109.2325	1.371238	1094.841	1.293568	5.210741
#3	-1.09564	115066.2	109.5706	1.729978	1057.449	1.345087	4.374975
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	101.0350	12.41938	23560.93	5398.563	3331.416	74.22951	475.7335
SDEV	1.1120	.20775	365.89	145.636	27.420	.93372	88.6065
%RSD	1.100646	1.672795	1.552938	2.697673	.8230667	1.257879	18.62523
#1	101.0986	12.33321	23588.48	5276.242	3321.055	74.07095	539.1591
#2	102.1139	12.65635	23912.27	5359.784	3362.506	75.23235	513.5477
#3	99.89258	12.26858	23182.06	5559.663	3310.686	73.38522	374.4937
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	18.49972	-3.88522	119.5272	38.93657	41.39603	1.985129	11.82895
SDEV	.56965	2.33396	2.3240	1.19773	.90717	3.392969	2.00506
%RSD	3.079216	60.07266	1.944336	3.076094	2.191446	170.9193	16.95041
#1	18.16157	-4.82927	119.3093	38.62787	40.58730	4.410221	10.34015
#2	19.15740	-1.22712	121.9524	40.25843	41.22384	-1.89227	11.03783
#3	18.18018	-5.59927	117.3198	37.92342	42.37696	3.437436	14.10888
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.9696257	33.91321	45.12870	-23.0094	14.46096	13.71760	-2.36226
SDEV	1.504462	10.06618	6.34414	13.4799	8.55613	3.51929	2.91041
%RSD	155.1590	29.68219	14.05788	58.58438	59.16710	25.65529	123.2042
#1	-.506454	40.50695	40.62444	-11.0770	12.13958	14.51100	-2.85188
#2	2.500948	38.90609	42.37765	-20.3199	7.305056	16.77246	.7619005
#3	.9143826	22.32659	52.38401	-37.6313	23.93824	9.869332	-4.99681
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.613636	1059.975	4504.400
SDEV	.409759	8.664	106.876
%RSD	25.39352	.8173363	2.372702
#1	1.775574	1051.616	4585.400
#2	1.917679	1068.914	4544.533
#3	1.147655	1059.393	4383.267
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005133-11 OPERATOR:
RUN TIME: 06/11/10 19:29:48
COMMENT: SDG:1005133 CLIENTID:SS67-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4907555	28901.66	41.76503	1.389656	11079.42	.8320795	2.457532
SDEV	.2092023	469.59	.54530	.124499	71.03	.0724217	.553632
%RSD	42.62861	1.624789	1.305635	8.958960	.6411406	8.703704	22.52796
#1	.7190139	29421.85	42.30455	1.463189	11113.65	.7555502	3.045394
#2	.3081488	28509.02	41.21413	1.245910	10997.75	.8995392	1.946065
#3	.4451039	28774.11	41.77641	1.459870	11126.85	.8411491	2.381138
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	37.72026	37.56513	12360.99	1962.462	9478.139	43.51566	21686.79
SDEV	.69868	.33942	75.02	45.230	23.592	.11612	255.27
%RSD	1.852258	.9035628	.6069056	2.304757	.2489142	.2668562	1.177080
#1	36.99612	37.90981	12348.81	2007.124	9496.411	43.41779	21924.52
#2	37.77434	37.23122	12292.81	1916.685	9451.504	43.48522	21417.00
#3	38.39033	37.55436	12441.36	1963.577	9486.500	43.64397	21718.84
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	9.045937	-7.62473	50.40520	38.32819	119.0116	2.754675	13.38156
SDEV	.721860	3.16455	.85643	.39037	1.3126	1.053536	.23215
%RSD	7.979939	41.50379	1.699081	1.018492	1.102914	38.24539	1.734866
#1	8.798952	L-11.2123	51.38799	38.08244	117.6451	1.844369	13.15762
#2	8.479986	-5.22988	49.81868	38.12381	120.2627	3.908717	13.36592
#3	9.858871	-6.43200	50.00892	38.77832	119.1269	2.510940	13.62113
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	5.788667	127.9693	114.5364	-19.8371	14.03094	19.89383	-.701460
SDEV	.892526	.9217	1.7143	1.7199	1.62881	.36473	.258383
%RSD	15.41850	.7202263	1.496761	8.670015	11.60869	1.833364	36.83498
#1	6.788925	127.0058	112.9687	-21.4415	13.46711	20.22377	-.550496
#2	5.073562	128.0597	116.3670	-20.0486	15.86674	19.95553	-.999807
#3	5.503514	128.8425	114.2734	-18.0213	12.75896	19.50219	-.554076
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.918497	589.8195	4474.066
SDEV	.076878	1.6759	37.456
%RSD	4.007212	.2841389	.8371804
#1	1.983064	591.7302	4433.533
#2	1.938973	588.5981	4507.400
#3	1.833453	589.1303	4481.267
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005133-12 OPERATOR:
RUN TIME: 06/11/10 19:36:56
COMMENT: SDG:1005133 CLIENTID:SS72-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.114129	30600.12	115.5841	.5083084	2963.168	1.177234	2.804967
SDEV	.222771	435.11	1.8971	.3671246	14.347	.246708	.780431
%RSD	195.1922	1.421913	1.641358	72.22477	.4841946	20.95661	27.82317
#1	.1027163	31067.98	117.7675	.9320598	2979.484	1.335957	3.658413
#2	-.342388	30524.76	114.3383	.2861092	2957.496	1.302739	2.127655
#3	-.102716	30207.60	114.6466	.3067563	2952.523	.8930058	2.628833
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	35.74232	9.182588	16371.31	-60.7204	1171.800	115.8510	431.0163
SDEV	.48954	.070427	132.88	27.0802	14.042	.9125	74.0001
%RSD	1.369645	.7669571	.8116934	44.59823	1.198370	.7876380	17.16874
#1	35.30723	9.150273	16521.82	-29.4870	1187.757	116.4784	450.6131
#2	35.64733	9.263372	16270.21	-75.0343	1166.311	114.8042	349.1903
#3	36.27240	9.134117	16321.90	-77.6397	1161.330	116.2704	493.2456
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	10.98226	-8.11697	51.71195	36.55617	31.15440	.9180725	10.63091
SDEV	1.12353	1.74903	.40425	.39670	.25962	2.457346	1.14979
%RSD	10.23038	21.54787	.7817356	1.085175	.8333412	267.6636	10.81553
#1	11.56248	-8.25424	52.12376	36.77222	30.90593	-1.83272	9.349099
#2	9.687256	-6.30335	51.69639	36.09834	31.42390	1.690629	11.57138
#3	11.69706	-9.79333	51.31570	36.79794	31.13337	2.896307	10.97224
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	6.085673	38.04525	27.71126	-20.1084	11.41300	17.74482	-.486590
SDEV	.479483	2.88071	1.82332	4.6771	2.47542	1.19125	1.415911
%RSD	7.878884	7.571802	6.579692	23.25944	21.68946	6.713243	290.9865
#1	6.453547	41.07044	25.82836	-23.1565	8.810557	18.81284	.7337753
#2	5.543399	35.33488	29.46849	-22.4454	13.73802	17.96154	-.154522
#3	6.260074	37.73044	27.83694	-14.7234	11.69042	16.46009	-2.03902
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.312383	996.7408	4727.244
SDEV	.817555	14.4059	88.081
%RSD	62.29544	1.445301	1.863264
#1	.6988319	1011.694	4625.933
#2	.9978192	995.5755	4770.133
#3	2.240497	982.9529	4785.667
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005133-13 OPERATOR:
RUN TIME: 06/11/10 19:44:05
COMMENT: SDG:1005133 CLIENTID:SB72-2-3 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.365213	106475.0	110.5254	1.349060	1999.208	2.761877	5.290565
SDEV	.377145	501.0	.7555	.110772	24.170	.236040	.652543
%RSD	103.2669	.4705643	.6835850	8.211040	1.208958	8.546375	12.33409
#1	.0684775	106402.0	110.1416	1.387579	2014.173	2.569608	6.011369
#2	-.616298	107008.5	110.0388	1.224171	2012.127	2.690712	5.120280
#3	-.547820	106014.5	111.3958	1.435431	1971.324	3.025312	4.740047
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	114.8378	13.69579	56280.04	3702.271	3527.101	102.3640	427.1712
SDEV	1.8708	.08291	610.84	50.235	34.387	1.7061	113.7295
%RSD	1.629096	.6053797	1.085351	1.356856	.9749259	1.666745	26.62388
#1	114.5106	13.78735	56512.62	3660.134	3539.639	101.8143	555.2372
#2	116.8507	13.67425	56740.41	3688.818	3553.460	104.2772	337.9641
#3	113.1522	13.62578	55587.07	3757.863	3488.205	101.0004	388.3123
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	26.85983	-1.38098	166.6042	50.95342	51.71835	3.829163	12.03854
SDEV	.77344	1.49200	4.6610	1.38676	.25957	.567646	.83894
%RSD	2.879553	108.0392	2.797675	2.721631	.5018839	14.82429	6.968793
#1	27.72115	-1.46098	169.3912	52.28066	52.01505	3.800164	11.34375
#2	26.22468	-2.83136	169.1982	51.06564	51.53323	4.410752	12.97055
#3	26.63368	.1494102	161.2232	49.51395	51.60678	3.276572	11.80132
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	15.72834	47.50565	53.81853	-16.5339	13.99285	19.94663	-.465395
SDEV	1.16584	3.03343	1.14877	1.2665	1.15676	1.03843	1.570756
%RSD	7.412363	6.385408	2.134529	7.659948	8.266797	5.206045	337.5099
#1	14.61522	50.66823	52.68456	-15.0892	13.22814	20.55532	1.347362
#2	15.62922	44.62042	54.98155	-17.4530	15.32363	18.74760	-1.42381
#3	16.94058	47.22829	53.78948	-17.0596	13.42679	20.53697	-1.31974
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	3.352182	1237.467	4674.933
SDEV	1.270359	6.722	26.729
%RSD	37.89649	.5431765	.5717583
#1	4.721942	1242.061	4699.800
#2	3.121870	1240.587	4678.333
#3	2.212735	1229.752	4646.667
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005133-14 OPERATOR:
RUN TIME: 06/11/10 19:51:14
COMMENT: SDG:1005133 CLIENTID:SS88-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.079890	116693.3	235.8861	2.430962	16999.87	4.668649	-.119343
SDEV	.366104	2417.7	4.2094	.254670	396.41	.386773	.596561
%RSD	458.2576	2.071860	1.784519	10.47610	2.331845	8.284467	499.8716
#1	.3423876	119129.6	240.1254	2.618387	17453.63	4.864520	.5692720
#2	-.273910	116655.8	235.8257	2.533491	16825.09	4.223124	-.448096
#3	-.308149	114294.6	231.7072	2.141008	16720.88	4.918304	-.479204
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	152.9299	22.77066	82962.12	4270.079	4530.123	108.7969	643.7603
SDEV	2.2690	.35213	1529.61	86.596	87.871	.9754	54.2355
%RSD	1.483670	1.546437	1.843740	2.027963	1.939715	.8965111	8.424798
#1	155.2598	23.17459	84577.65	4317.799	4608.093	109.6069	702.3663
#2	152.8026	22.60909	82772.63	4322.316	4547.370	109.0694	633.5749
#3	150.7272	22.52831	81536.09	4170.121	4434.907	107.7142	595.3395
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	23.37872	.4816869	230.7094	142.3538	203.4486	2.429324	13.02306
SDEV	.39869	2.297053	5.6755	3.7847	3.1796	3.798674	1.47819
%RSD	1.705345	476.8769	2.460027	2.658658	1.562869	156.3675	11.35060
#1	23.40795	1.693848	236.8455	146.6125	206.5111	-1.94989	14.13373
#2	23.76199	-2.16754	229.6344	141.0739	203.6712	4.402600	13.59016
#3	22.96622	1.918755	225.6482	139.3750	200.1636	4.835261	11.34528
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	29.19896	202.5529	203.8925	-14.0033	10.63060	20.27494	.4915915
SDEV	1.31426	9.5416	.4054	1.6161	4.95768	3.76065	.4367595
%RSD	4.501065	4.710686	.1988090	11.54092	46.63594	18.54826	88.84603
#1	28.70068	212.2263	203.6545	-15.6877	4.906025	24.54719	.6857744
#2	30.68951	202.2836	204.3605	-13.8565	13.51574	18.81219	.7975864
#3	28.20670	193.1487	203.6624	-12.4655	13.47004	17.46545	-.008586
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	3.492270	632.8719	4484.289
SDEV	1.302176	13.2153	56.337
%RSD	37.28738	2.088151	1.256327
#1	4.905284	648.0860	4450.866
#2	2.340559	626.2868	4452.667
#3	3.230967	624.2430	4549.333
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005133-15 OPERATOR:
RUN TIME: 06/11/10 19:58:22
COMMENT: SDG:1005133 CLIENTID:SB88-2.5-3.5 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.011413	124245.4	155.5638	1.423188	849.1464	3.453479	-.136565
SDEV	.168896	1430.9	2.3248	.208408	3.9875	.033804	.308954
%RSD	1479.865	1.151635	1.494429	14.64374	.4695855	.9788283	226.2326
#1	.0684775	125618.3	155.7057	1.618262	848.5143	3.485754	.2169552
#2	.1027163	122762.9	153.1713	1.203613	845.5128	3.456352	-.354803
#3	-.205433	124354.9	157.8144	1.447690	853.4122	3.418330	-.271847
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	178.3408	12.25781	73170.23	4989.260	4174.802	79.22169	636.3327
SDEV	3.5136	.29143	992.64	67.335	62.036	1.09712	54.4025
%RSD	1.970172	2.377464	1.356618	1.349608	1.485969	1.384874	8.549381
#1	181.0285	11.97776	73786.68	5062.715	4206.360	80.23994	692.6672
#2	174.3649	12.55941	72025.15	4930.457	4103.331	78.05984	584.0936
#3	179.6291	12.23627	73698.86	4974.609	4214.714	79.36530	632.2373
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	17.50512	-1.26148	428.6045	50.36893	70.28854	4.435700	10.79483
SDEV	.75186	1.88832	4.0104	.61725	.71457	1.513730	1.87324
%RSD	4.295114	149.6909	.9356951	1.225460	1.016627	34.12607	17.35313
#1	16.99147	-1.75217	431.8725	50.78845	70.49744	6.183441	12.85854
#2	18.36810	-2.85601	424.1291	49.66017	69.49281	3.541054	9.201866
#3	17.15579	.8237495	429.8120	50.65816	70.87539	3.582606	10.32408
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	45.24223	66.90104	71.97658	-13.6428	13.45883	19.43108	.7368292
SDEV	2.69657	2.19522	.56620	3.2913	.63054	1.97790	1.325664
%RSD	5.960300	3.281296	.7866439	24.12504	4.684987	10.17904	179.9147
#1	47.50766	66.21948	72.62999	-9.84737	14.18425	21.52023	1.351430
#2	45.95947	65.12744	71.66908	-15.7109	13.15006	17.58734	-.784590
#3	42.25954	69.35620	71.63066	-15.3700	13.04218	19.18568	1.643648
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	19.43526	696.3700	4745.222
SDEV	.85340	5.3082	54.175
%RSD	4.390985	.7622740	1.141674
#1	19.32070	694.7891	4691.600
#2	20.34014	692.0317	4799.933
#3	18.64492	702.2891	4744.133
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV1 OPERATOR:
RUN TIME: 06/11/10 20:05:30
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	108.1146	47205.22	962.3384	1025.527	49811.32	1001.465	1017.112
SDEV	.6363	227.86	6.0886	3.361	139.19	2.327	8.783
%RSD	.5885093	.4827051	.6326919	.3277138	.2794388	.2323372	.8635516
#1	108.6396	46951.77	959.1093	1024.476	49825.18	999.9390	1008.808
#2	108.2972	47393.12	958.5446	1029.287	49943.07	1000.313	1016.222
#3	107.4070	47270.77	969.3614	1022.817	49665.72	1004.143	1026.306
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	989.1594	1038.984	25028.92	49890.55	50691.04	1010.362	50159.54
SDEV	7.0326	1.002	80.70	288.35	307.18	10.566	142.65
%RSD	.7109702	.0964020	.3224361	.5779595	.6059887	1.045730	.2843837
#1	981.0894	1038.839	24950.74	49570.47	50371.19	998.8898	49995.27
#2	992.4100	1040.051	25024.09	49971.19	50718.18	1012.503	50231.33
#3	993.9786	1038.063	25111.93	50129.99	50983.75	1019.693	50252.04
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	995.8837	981.0371	997.5865	1100.753	991.9434	992.8589	1008.098
SDEV	3.4487	6.6170	7.8716	1.764	2.2520	4.2732	7.151
%RSD	.3462945	.6744900	.7890608	.1602854	.2270273	.4303901	.7093166
#1	993.4448	975.1625	992.7463	1100.488	991.2955	987.9884	1001.500
#2	994.3771	988.2054	993.3441	1099.137	990.0864	994.6096	1007.098
#3	999.8294	979.7434	1006.669	1102.636	994.4483	995.9787	1015.696
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1019.158	986.2701	994.7730	992.2914	993.1399	1035.822	993.3502
SDEV	3.920	4.2886	5.4211	4.0490	5.9077	4.921	1.5625
%RSD	.3846287	.4348347	.5449601	.4080487	.5948469	.4750372	.1572936
#1	1014.791	989.2107	992.3336	989.7807	987.0913	1035.792	992.6551
#2	1022.372	988.2506	991.0001	996.9625	993.4326	1030.917	995.1396
#3	1020.312	981.3492	1000.985	990.1311	998.8958	1040.758	992.2559
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1031.495	983.2175	4798.177
SDEV	6.545	3.1629	27.786
%RSD	.6344758	.3216856	.5790861
#1	1026.006	985.8283	4826.533
#2	1029.742	984.1238	4796.999
#3	1038.738	979.7004	4770.999
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB1 OPERATOR:
RUN TIME: 06/11/10 20:12:40
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1483680	34.87820	.3071310	.7610590	379.4433	.0973227	.4370276
SDEV	.6755832	9.73189	.2553020	.4111464	8.9400	.2538873	.4620233
%RSD	455.3430	27.90251	83.12478	54.02293	2.356084	260.8717	105.7195
#1	-.308149	32.70850	.0678232	.7729588	369.8860	-.193586	.0161596
#2	-.171194	45.51182	.5758752	1.166126	387.6008	.2113449	.9313949
#3	.9244465	26.41428	.2776946	.3440919	380.8432	.2742088	.3635284
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.014136	.4254685	27.58334	-1423.44	14.87940	.5517824	38.11991
SDEV	1.620932	.4945746	30.97066	23.26	12.31091	.2969886	165.7554
%RSD	80.47778	116.2424	112.2803	1.633890	82.73795	53.82350	434.8263
#1	.7625528	-.091557	-2.29350	-1447.13	.6648843	.2112299	-134.865
#2	1.434699	.4739395	25.50080	-1400.64	21.84814	.6871273	195.5497
#3	3.845155	.8940229	59.54272	-1422.56	22.12518	.7569902	53.67454
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.331271	4.080324	.3317622	2.302187	.4189903	.7194089	4.995400
SDEV	.905360	.401602	.6927398	1.122133	.5343513	.4430447	3.376774
%RSD	68.00718	9.842410	208.8061	48.74205	127.5331	61.58454	67.59768
#1	.9043978	4.317289	-.419698	1.556011	.7494850	.3449411	3.784861
#2	.7182636	4.307052	.4700694	1.757888	.7049760	1.208502	2.390755
#3	2.371153	3.616631	.9449148	3.592662	-.197490	.6047835	8.810584
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.779214	-2.93629	2.091486	-5.02147	3.582914	1.321303	2.363653
SDEV	1.406778	5.23590	1.841548	4.85337	2.176088	2.246967	3.196209
%RSD	79.06739	178.3167	88.04971	96.65234	60.73515	170.0569	135.2233
#1	1.409502	-.912096	1.576341	-3.70297	2.363174	-.806364	-.554837
#2	.5942133	.9853313	.5623679	-.963582	2.290276	3.671074	5.779314
#3	3.333929	-8.88211	4.135751	-10.3978	6.095292	1.099199	1.866480
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.147608	.7138830	4590.377
SDEV	.731022	.5541769	114.541
%RSD	63.69964	77.62853	2.495236
#1	1.102607	.2292655	4487.733
#2	1.900092	.5942919	4569.466
#3	.4401263	1.318091	4713.933
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005133-16 OPERATOR:
RUN TIME: 06/11/10 20:19:48
COMMENT: SDG:1005133 CLIENTID:SS76-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1369550	36055.31	108.9318	1.225252	11159.12	1.353144	1.929569
SDEV	.1711938	377.69	.4641	.288894	48.98	.155858	.377937
%RSD	125.0000	1.047525	.4260616	23.57831	.4389179	11.51819	19.58659
#1	.1369550	36487.03	109.1040	1.529626	11156.12	1.231352	1.626417
#2	.3081488	35785.94	109.2852	1.191288	11111.71	1.299294	1.809281
#3	-.034239	35892.95	108.4062	.9548414	11209.53	1.528786	2.353010
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	34.12508	11.99930	14732.09	51.09633	1433.197	163.1745	520.8194
SDEV	.77507	.04066	184.04	29.88763	19.305	2.8138	65.0485
%RSD	2.271272	.3388600	1.249251	58.49272	1.347005	1.724439	12.48965
#1	34.78146	11.96160	14942.63	84.99521	1454.247	166.4237	535.5744
#2	33.27000	11.99391	14601.76	39.75222	1429.023	161.5605	577.2230
#3	34.32378	12.04238	14651.90	28.54155	1416.320	161.5394	449.6608
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	11.40462	-4.46386	46.50502	40.69467	58.95274	2.950487	12.80099
SDEV	.41844	.71649	.81949	.11389	1.48120	1.066824	1.04431
%RSD	3.669057	16.05084	1.762151	.2798621	2.512518	36.15756	8.158054
#1	11.88280	-4.66393	47.10693	40.64786	58.74696	4.030976	14.00404
#2	11.10549	-5.05904	45.57173	40.82451	60.52607	2.922611	12.12815
#3	11.22558	-3.66860	46.83640	40.61166	57.58519	1.897875	12.27077
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	10.81087	65.00246	55.92948	-17.8394	13.32727	18.27240	.7308679
SDEV	1.13762	2.31856	1.36664	1.2001	2.19841	1.31774	.5104466
%RSD	10.52297	3.566879	2.443506	6.726966	16.49556	7.211636	69.84116
#1	10.52911	63.35496	56.44343	-19.0389	15.54597	19.66202	1.192907
#2	12.06290	67.65379	56.96464	-17.8407	13.28611	18.11441	.1829165
#3	9.840602	63.99864	54.38038	-16.6388	11.14973	17.04078	.8167803
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.551588	486.5378	4642.822
SDEV	.356721	3.5658	67.631
%RSD	22.99071	.7328868	1.456671
#1	1.668286	489.9855	4566.133
#2	1.151134	482.8646	4668.400
#3	1.835345	486.7631	4693.933
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005133-17 OPERATOR:
RUN TIME: 06/11/10 20:26:57
COMMENT: SDG:1005133 CLIENTID:SB76-6-7 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.502168	139036.5	188.5360	2.787796	1362.359	13.61947	-28.5354
SDEV	.308782	410.3	1.3025	.258805	6.327	.39703	.1351
%RSD	61.48977	.2950978	.6908699	9.283488	.4643792	2.915187	.4733585
#1	-.479343	138819.8	187.2968	3.078833	1355.130	13.17551	-28.3800
#2	-.821730	138780.0	189.8937	2.701038	1365.059	13.94051	-28.6015
#3	-.205433	139509.7	188.4176	2.583516	1366.887	13.74237	-28.6247
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	276.4148	38.77152	358449.1	10167.84	5654.377	142.0744	481.6794
SDEV	.7732	.13741	1067.0	54.55	24.398	.3284	88.9070
%RSD	.2797108	.3544177	.2976673	.5365146	.4314883	.2311442	18.45772
#1	276.5860	38.71767	359324.0	10230.62	5665.526	142.4408	509.9078
#2	275.5704	38.66920	357260.4	10140.94	5626.397	141.9759	553.0453
#3	277.0880	38.92771	358762.9	10131.97	5671.209	141.8066	382.0853
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	20.20325	14.16642	457.4016	85.97452	110.5551	9.738671	8.249270
SDEV	.62209	3.57389	2.4615	.41160	.6943	1.063131	.212369
%RSD	3.079140	25.22787	.5381404	.4787440	.6280497	10.91659	2.574395
#1	19.89038	18.07330	458.4785	85.52255	109.7906	9.249800	8.004153
#2	19.79971	13.36401	454.5853	86.32781	111.1466	10.95830	8.365610
#3	20.91967	11.06195	459.1412	86.07319	110.7281	9.007915	8.378048
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	77.52972	81.09239	125.2610	12.64249	8.286281	17.42609	3.810053
SDEV	1.06846	2.90398	1.1758	3.50369	2.525156	.40284	.826370
%RSD	1.378130	3.581078	.9387098	27.71365	30.47394	2.311733	21.68921
#1	78.76130	78.37208	125.4729	9.191799	9.276077	17.59466	3.881392
#2	76.97722	80.75460	126.3164	12.53878	10.16659	16.96634	4.598441
#3	76.85062	84.15050	123.9936	16.19689	5.416168	17.71726	2.950326
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	17.25788	1280.651	4551.800
SDEV	.77371	2.763	29.175
%RSD	4.483230	.2157679	.6409473
#1	17.35046	1283.580	4518.133
#2	16.44204	1278.091	4567.600
#3	17.98113	1280.281	4569.667
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005133-18 OPERATOR:
RUN TIME: 06/11/10 20:34:05
COMMENT: SDG:1005133 CLIENTID:SS87-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.296736	81757.37	80.22292	1.082816	1261.878	1.271620	2.166222
SDEV	.158142	1111.02	1.00901	.127009	5.933	.148483	.281347
%RSD	53.29386	1.358923	1.257755	11.72952	.4701346	11.67670	12.98791
#1	-.205433	80482.27	79.63686	1.018123	1260.280	1.115952	2.395410
#2	-.479343	82272.60	79.64388	1.001178	1268.445	1.411686	1.852227
#3	-.205433	82517.23	81.38802	1.229147	1256.908	1.287223	2.251028
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	106.4798	3.872305	11067.40	1096.519	2147.115	53.47253	580.9001
SDEV	1.2183	.033633	45.37	45.157	13.489	.49208	44.1138
%RSD	1.144151	.8685610	.4099187	4.118182	.6282378	.9202417	7.594046
#1	105.0837	3.899233	11016.87	1055.234	2131.545	52.92234	627.7576
#2	107.3275	3.883077	11104.64	1089.579	2155.257	53.62471	540.1708
#3	107.0282	3.834606	11080.68	1144.743	2154.544	53.87054	574.7717
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	11.24019	-3.68148	101.1134	22.29262	65.20825	8.143589	11.53603
SDEV	.83401	1.08640	1.2529	.51528	1.06132	1.744054	1.54668
%RSD	7.419890	29.51003	1.239130	2.311418	1.627583	21.41628	13.40738
#1	12.20303	-3.89810	99.79086	22.82836	65.49622	10.03542	12.17678
#2	10.77571	-2.50308	102.2826	22.24890	66.09586	6.599796	12.65936
#3	10.74184	-4.64325	101.2667	21.80060	64.03266	7.795552	9.771946
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	12.73375	65.84576	64.88706	-15.8733	20.13160	19.47525	-.106579
SDEV	3.64473	2.29886	1.41315	4.6737	.97882	1.43280	1.123990
%RSD	28.62260	3.491275	2.177864	29.44375	4.862114	7.357036	1054.603
#1	15.12958	68.38590	64.05068	-10.4794	20.27501	21.11383	.9059393
#2	14.53234	65.24320	66.51865	-18.4210	19.08898	18.85397	-1.31601
#3	8.539326	63.90821	64.09184	-18.7197	21.03080	18.45795	.0903375
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.494500	368.8520	4673.822
SDEV	.794940	1.7651	70.567
%RSD	53.19100	.4785361	1.509835
#1	2.269191	366.8337	4738.133
#2	.6807515	370.1069	4684.999
#3	1.533558	369.6154	4598.333
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005133-19 OPERATOR:
RUN TIME: 06/11/10 20:41:14
COMMENT: SDG:1005133 CLIENTID:SB87-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1483680	197854.8	162.8435	2.231824	1556.929	4.394550	3.519243
SDEV	.4056005	4946.0	1.7493	.321370	31.992	.461747	.273213
%RSD	273.3747	2.499796	1.074232	14.39942	2.054817	10.50727	7.763393
#1	.6162977	200800.5	163.3526	2.588122	1549.920	4.329941	3.732099
#2	-.102716	192144.6	160.8961	2.143492	1529.023	4.885199	3.211161
#3	-.068478	200619.2	164.2818	1.963858	1591.845	3.968510	3.614469
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	217.5810	6.942143	64104.23	7178.040	6328.554	93.85518	648.5632
SDEV	5.7389	.145713	1283.55	178.145	130.638	1.58134	47.2231
%RSD	2.637614	2.098959	2.002292	2.481808	2.064262	1.684871	7.281188
#1	217.6715	6.791344	64203.12	7357.783	6372.301	93.90488	703.0256
#2	211.7973	6.952915	62774.09	7001.537	6181.657	92.24958	623.6572
#3	223.2741	7.082172	65335.48	7174.799	6431.705	95.41109	619.0068
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	28.28606	.6053340	303.8261	71.86610	71.71003	7.434496	12.21283
SDEV	.14047	4.309094	8.1758	1.29724	2.43406	2.461473	1.76409
%RSD	.4966226	711.8539	2.690949	1.805079	3.394303	33.10882	14.44458
#1	28.13962	1.422928	307.4855	70.99304	71.42253	4.620060	11.22000
#2	28.29885	-4.05399	294.4598	71.24853	69.43250	9.185323	11.16887
#3	28.41970	4.447060	309.5330	73.35675	74.27507	8.498104	14.24961
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	15.09853	68.20986	73.45425	-10.8746	16.57274	20.94030	2.414529
SDEV	1.40798	4.64787	3.92153	8.0200	5.28509	1.34012	1.521212
%RSD	9.325269	6.814079	5.338741	73.75011	31.89027	6.399718	63.00242
#1	15.41140	73.33710	70.46339	-12.6987	13.26380	22.00434	4.138049
#2	16.32376	64.27281	72.00530	-17.8256	22.66798	21.38130	1.846358
#3	13.56043	67.01967	77.89408	-2.09967	13.78645	19.43525	1.259180
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.255513	682.1680	4664.822
SDEV	1.279354	12.6607	88.949
%RSD	56.72123	1.855948	1.906794
#1	3.559781	686.9189	4578.600
#2	1.002620	667.8190	4756.267
#3	2.204137	691.7660	4659.600
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005133-20 OPERATOR:
RUN TIME: 06/11/10 20:48:22
COMMENT: SDG:1005133 CLIENTID:SS68-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3766263	2011.969	36.19763	.4334140	1649.106	.5993893	2.041911
SDEV	.3623490	16.828	.27751	.2871295	6.538	.1972870	.441009
%RSD	96.20914	.8363879	.7666652	66.24831	.3964776	32.91467	21.59783
#1	-.034239	2026.133	36.10401	.6499879	1643.985	.6689693	2.320381
#2	.6505364	2016.408	36.50985	.5425325	1656.471	.7524585	2.271905
#3	.5135814	1993.367	35.97903	.1077216	1646.863	.3767399	1.533448
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	6.082779	2.913654	847.9529	L-1221.28	283.3357	17.29997	579.9583
SDEV	.158627	.085495	9.0115	5.99	2.8893	.19546	93.9132
%RSD	2.607810	2.934295	1.062737	.4902514	1.019746	1.129853	16.19310
#1	6.003187	2.945968	847.1276	L-1214.56	285.3803	17.28643	682.1257
#2	5.979707	2.816711	857.3486	L-1223.22	284.5965	17.50185	497.3934
#3	6.265444	2.978282	839.3824	L-1226.06	280.0302	17.11163	560.3557
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.560278	-4.92332	4.872979	19.03197	15.49798	1.617206	11.27616
SDEV	.213112	1.40059	.547796	.51261	.72123	.998706	1.89652
%RSD	13.65858	28.44805	11.24151	2.693417	4.653704	61.75499	16.81888
#1	1.315028	-4.24575	4.246667	18.61737	16.25943	1.753909	13.42661
#2	1.665415	-6.53384	5.109443	19.60512	14.82516	2.540519	9.842505
#3	1.700392	-3.99036	5.262825	18.87340	15.40934	.5571909	10.55936
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.680457	23.94997	11.27569	-19.0322	11.92383	16.11619	.2779498
SDEV	.579789	3.49095	2.49275	1.4840	1.11129	.86213	1.168994
%RSD	85.20590	14.57602	22.10733	7.797410	9.319884	5.349474	420.5773
#1	-1.19265	20.60549	14.08700	-20.1029	12.66326	15.78172	1.301217
#2	-.797717	23.67347	10.40500	-17.3382	12.46234	17.09544	.5287068
#3	-.051000	27.57096	9.335059	-19.6557	10.64588	15.47141	-.996075
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.446428	457.9240	4603.578
SDEV	.554529	3.8042	51.820
%RSD	38.33778	.8307492	1.125648
#1	1.191526	460.6817	4564.133
#2	1.065185	459.5064	4584.333
#3	2.082575	453.5840	4662.267
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052623-BLK1 OPERATOR:
RUN TIME: 06/11/10 20:55:31
COMMENT: SDG:1005157 CLIENTID:PBS 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6162977	38.45929	.5737559	.2951421	529.4049	.2294477	.9394209
SDEV	.4151229	15.02637	.3586340	.2055153	79.5511	.2819215	.7499005
%RSD	67.35753	39.07086	62.50639	69.63265	15.02651	122.8696	79.82582
#1	1.061402	55.01995	.9096671	.5302327	599.9345	.3371229	1.453661
#2	.5478201	34.66230	.6155409	.1495645	545.1062	.4416632	1.285640
#3	.2396713	25.69562	.1960596	.2056290	443.1738	-.090443	.0789614
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000
LOW	-5.00000	-200.000	-200.000	-5.00000	-5000.00	-5.00000	-5.00000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.210642	3.769977	48.48625	-1406.50	30.42141	1.178578	374.3235
SDEV	.687983	1.866890	9.03388	20.28	15.93619	.466702	236.9694
%RSD	31.12140	49.51994	18.63184	1.441767	52.38479	39.59871	63.30606
#1	2.984837	H5.401839	58.88325	-1388.20	44.70069	1.552470	583.7639
#2	1.977775	4.173903	42.55442	-1403.00	33.33357	1.327733	422.1009
#3	1.669315	1.734190	44.02108	-1428.30	13.22996	.6555307	117.1055
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000
LOW	-5.00000	-5.00000	-100.000	-5000.00	-5000.00	-10.0000	-5000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4975318	-3.45563	.0529053	3.565458	2.807679	.7378495	7.943214
SDEV	.2409121	2.13143	.3213818	1.527548	1.284992	.8972830	4.359670
%RSD	48.42146	61.68009	607.4668	42.84296	45.76704	121.6079	54.88547
#1	.3058640	-2.96018	.3559686	4.950618	H3.953269	-.073621	H12.41134
#2	.7679688	-5.79115	.0868478	3.818604	H3.051537	1.701486	7.717543
#3	.4187626	-1.61555	-.284101	1.927150	1.418232	.5856837	3.700763
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000
LOW	-40.0000	-10.0000	-20.0000	-20.0000	-3.00000	-5.00000	-10.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.444016	7.951130	.2372261	-16.4577	9.320138	15.52161	.6972290
SDEV	2.022809	4.547183	.5870832	3.6098	1.125409	9.23085	2.117916
%RSD	455.5712	57.18914	247.4783	21.93390	12.07503	59.47099	303.7618
#1	-2.69963	12.65453	-.393476	-20.6259	10.18448	24.32438	1.186404
#2	1.209060	7.620671	.7678154	-14.3815	9.728343	16.32523	2.527756
#3	.1585236	3.578191	.3373395	-14.3656	8.047591	5.915216	-1.62247
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	10.00000					100.0000	50.00000
LOW	-10.0000					-100.000	-50.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.081905	.2251947	4674.377
SDEV	.792596	.1251755	97.034
%RSD	967.7051	55.58544	2.075871
#1	.8310355	.3637961	4574.533
#2	-.594179	.1914067	4680.267
#3	-.482571	.1203814	4768.333
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	5.000000	40.00000	
LOW	-5.00000	-40.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052623-BS1 OPERATOR:
RUN TIME: 06/11/10 21:02:39
COMMENT: SDG:1005157 CLIENTID:LCSS 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	770.6916	68125.60	1487.198	1293.237	38679.09	2050.325	618.6867
SDEV	4.1422	588.89	7.507	16.470	609.52	17.554	6.8586
%RSD	.5374682	.8644244	.5047525	1.273554	1.575843	.8561418	1.108581
#1	771.9813	67801.75	1488.497	1286.249	38311.27	2043.570	615.3853
#2	766.0580	67769.70	1479.127	1281.412	38343.34	2037.153	614.1032
#3	774.0356	68805.34	1493.970	1312.049	39382.66	2070.253	626.5717
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1110.000	108000.0	1840.000	1690.000	52200.00	2770.000	811.0000
LOW	490.0000	43900.00	1280.000	1170.000	34200.00	1880.000	561.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	525.4638	1351.898	99843.99	25249.27	19161.14	2769.001	4152.613
SDEV	9.8565	6.378	1249.46	71.33	250.53	28.213	18.374
%RSD	1.875774	.4718156	1.251410	.2825135	1.307503	1.018893	.4424606
#1	522.9290	1357.795	99343.16	25307.88	19070.91	2749.676	4172.903
#2	517.1223	1345.128	98922.64	25169.84	18968.22	2755.950	4147.837
#3	536.3401	1352.770	101266.2	25270.08	19444.29	2801.377	4137.099
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	738.0000	1540.000	214000.0	30600.00	27300.00	3650.000	6580.000
LOW	477.0000	1080.000	74200.00	17000.00	17100.00	2430.000	2540.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	444.3838	1414.086	600.1381	988.4946	672.1390	687.0421	333.2266
SDEV	4.1652	7.466	10.6656	13.9735	12.4060	3.9444	3.3229
%RSD	.9373046	.5279607	1.777192	1.413613	1.845755	.5741147	.9972025
#1	441.0218	1410.607	594.1345	982.4612	662.3430	683.3486	334.2990
#2	443.0862	1408.995	593.8275	978.5515	667.9851	686.5809	329.4998
#3	449.0434	1422.656	612.4524	1004.471	686.0890	691.1968	335.8808
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	588.0000	1970.000	930.0000	1410.000	918.0000	1030.000	1730.000
LOW	404.0000	1190.000	517.0000	905.0000	619.0000	626.0000	30.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	718.4414	662.5735	676.9111	663.2048	698.9399	1530.169	-.324462
SDEV	5.9170	16.2976	10.9598	11.5149	2.2681	14.494	1.406264
%RSD	.8235888	2.459735	1.619094	1.736250	.3244994	.9472370	433.4137
#1	721.5275	646.5504	670.2235	650.2728	699.8587	1522.397	.9143237
#2	711.6193	662.0380	670.9504	666.9941	696.3566	1521.219	-.034660
#3	722.1772	679.1323	689.5595	672.3476	700.6044	1546.892	-1.85305
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	NOCHECK
HIGH	973.0000					2280.000	
LOW	645.0000					1220.000	

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	551.0494	2698.203	4711.044
SDEV	6.3437	38.613	23.294
%RSD	1.151204	1.431071	.4944594
#1	549.2270	2668.649	4736.600
#2	545.8163	2684.067	4705.533
#3	558.1048	2741.892	4690.999
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	705.0000	4510.000	
LOW	463.0000	1110.000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005157-01 OPERATOR:
RUN TIME: 06/11/10 21:09:48 BM 7/7/10
COMMENT: SDG:1005157 CLIENTID:S73-9-10 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.194020	65356.71	118.3912	1.051634	789.5221	1.957221	2.120078
SDEV	.086166	702.20	.8029	.097685	3.6281	.224628	.610752
%RSD	44.41079	1.074416	.6781524	9.288895	.4595331	11.47687	28.80798
#1	-.102716	66167.53	117.7213	1.161013	792.6481	1.725891	2.523133
#2	-.205433	64948.01	119.2812	1.020809	790.3745	1.971287	2.419725
#3	-.273910	64954.57	118.1712	.9730800	785.5436	2.174486	1.417374
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	100.3241	19.87317	32164.77	2608.887	2601.542	49.13235	1073.269
SDEV	.6532	.07286	86.29	35.394	16.523	.36531	63.200
%RSD	.6511065	.3666081	.2682860	1.356687	.6351139	.7435147	5.888569
#1	101.0730	19.94318	32253.23	2647.994	2620.562	49.42300	1146.148
#2	100.0269	19.79777	32160.26	2599.617	2593.323	48.72228	1040.111
#3	99.87228	19.87855	32080.82	2579.050	2590.740	49.25177	1033.548
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	8.688240	.0474033	67.82577	30.46214	70.21559	1.933994	10.36454
SDEV	.397974	1.634075	.97229	.06804	1.88150	2.933992	1.71059
%RSD	4.580602	3447.173	1.433511	.2233549	2.679606	151.7064	16.50425
#1	8.705594	.6154385	68.91634	30.38450	70.26314	.6864122	11.87832
#2	9.077253	1.321655	67.04952	30.49058	72.07287	5.285598	10.70650
#3	8.281874	-1.79488	67.51144	30.51135	68.31077	-.170029	8.508802
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	5.309516	72.22329	69.21037	-19.4204	12.59262	21.21291	-.357516
SDEV	.952585	2.42766	1.71020	.7340	4.55313	2.75094	1.280487
%RSD	17.94109	3.361322	2.471024	3.779416	36.15718	12.96821	358.1620
#1	5.540843	73.14992	68.81902	-20.0262	11.02461	21.92955	-.568184
#2	6.125134	74.05116	71.08234	-19.6308	17.72254	23.53461	1.015241
#3	4.262572	69.46879	67.72977	-18.6042	9.030695	18.17458	-1.51961
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.133386	906.6351	4725.733
SDEV	1.375742	6.2952	39.804
%RSD	64.48630	.6943468	.8422844
#1	3.698538	913.7128	4683.066
#2	1.586163	904.5311	4732.267
#3	1.115458	901.6613	4761.866
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052623-DUP1 OPERATOR:
RUN TIME: 06/11/10 21:16:56 6 @ 7/7/10
COMMENT: SDG:1005157 CLIENTID:S73-9-10D 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.011413	67673.20	122.3455	.9492055	820.9542	1.742406	.7627991
SDEV	.401242	365.24	.7492	.1272018	13.0643	.266907	.6889224
%RSD	3515.679	.5397056	.6123360	13.40087	1.591350	15.31830	90.31505
#1	.4451039	67898.94	121.4814	.8842227	835.4285	1.498612	1.519065
#2	-.308149	67868.84	122.7434	.8676214	817.3973	1.701014	.5983481
#3	-.171194	67251.82	122.8118	1.095773	810.0367	2.027590	.1709838
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	110.4200	21.68276	40667.27	2683.298	2637.281	49.46160	1058.669
SDEV	2.5627	.96596	657.09	36.323	28.512	.72469	24.698
%RSD	2.320896	4.454973	1.615762	1.353685	1.081101	1.465149	2.332959
#1	113.1034	22.78682	41415.64	2642.166	2668.990	50.22512	1063.571
#2	110.1586	21.26806	40401.36	2696.757	2629.099	49.37638	1080.549
#3	107.9980	20.99339	40184.82	2710.972	2613.755	48.78329	1031.888
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	9.976143	-4.48989	97.16467	35.83049	72.82861	2.779061	12.10571
SDEV	1.162260	.85457	1.48485	2.36765	1.65372	.376097	4.96263
%RSD	11.65039	19.03323	1.528180	6.607927	2.270704	13.53322	40.99416
#1	11.31111	-4.23738	98.75753	38.55268	74.55451	2.883278	17.72959
#2	9.428033	-3.79003	96.91769	34.68865	71.25803	2.361846	10.24597
#3	9.189289	-5.44226	95.81880	34.25016	72.67330	3.092059	8.341558
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	9.774295	73.47397	72.50349	-21.4645	14.88008	22.62477	.8314177
SDEV	3.533490	2.12417	1.44855	2.3587	.72307	.88225	.4559643
%RSD	36.15084	2.891057	1.997905	10.98893	4.859307	3.899492	54.84179
#1	13.77898	75.46699	74.09608	-22.0886	15.34795	23.57330	1.121510
#2	8.448267	71.23931	71.26442	-23.4484	15.24502	21.82865	1.066882
#3	7.095633	73.71560	72.14998	-18.8565	14.04727	22.47238	.3058609
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.383532	929.3690	4649.133
SDEV	1.079876	10.2208	70.961
%RSD	78.05207	1.099761	1.526335
#1	2.505429	939.8768	4731.066
#2	.3512643	928.7687	4607.333
#3	1.293904	919.4615	4608.999
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052623-MS1 OPERATOR:
RUN TIME: 06/11/10 21:24:05 B 6/17/10
COMMENT: SDG:1005157 CLIENTID:S73-9-10S 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	46.25657	126706.4	2075.192	48.76144	800.9008	48.12151	464.9795
SDEV	.52710	505.5	27.587	.24603	8.3963	.36509	1.6447
%RSD	1.139514	.3989190	1.329390	.5045626	1.048363	.7586771	.3537135
#1	46.70167	126282.8	2068.546	48.99159	804.3336	48.27541	464.1039
#2	46.39352	126570.6	2051.535	48.79061	807.0369	48.38444	466.8767
#3	45.67450	127265.9	2105.496	48.50213	791.3320	47.70467	463.9578
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	341.2369	270.8406	56363.79	3836.091	4317.430	516.0394	1107.795
SDEV	5.1275	3.1189	285.12	102.182	7.382	5.0289	38.516
%RSD	1.502630	1.151550	.5058559	2.663707	.1709715	.9745269	3.476833
#1	338.7372	271.5730	56422.26	3781.140	4308.917	511.2637	1107.131
#2	347.1349	273.5280	56615.15	3773.143	4322.055	521.2881	1069.616
#3	337.8387	267.4207	56053.97	3953.991	4321.317	515.5662	1146.639
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	465.5352	43.84016	578.7085	482.0725	91.59909	6.130768	97.11661
SDEV	4.5819	6.13722	4.4704	10.0653	1.52171	.660201	3.93604
%RSD	.9842234	13.99909	.7724819	2.087924	1.661271	10.76866	4.052906
#1	468.0093	44.23395	574.6428	484.7409	91.93092	6.781159	95.18159
#2	468.3482	37.51552	583.4959	490.5347	92.92750	5.461175	101.6456
#3	460.2481	49.77100	577.9868	470.9418	89.93885	6.149970	94.52264
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	36.38417	90.60299	92.09305	-13.0888	15.72344	705.5338	912.1999
SDEV	4.99933	.81254	2.68506	2.8167	.98869	3.1844	6.0057
%RSD	13.74039	.8968174	2.915590	21.52009	6.287986	.4513448	.6583781
#1	32.33902	90.32525	92.72923	-9.92263	15.11788	706.1890	909.3489
#2	41.97338	89.96573	94.40288	-14.0272	15.18809	708.3395	908.1508
#3	34.84012	91.51798	89.14703	-15.3165	16.86436	702.0727	919.1002
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	832.2967	1302.786	4513.289
SDEV	3.5602	6.957	96.777
%RSD	.4277537	.5340277	2.144261
#1	833.9899	1310.571	4554.466
#2	834.6943	1300.613	4582.667
#3	828.2059	1297.175	4402.733
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV1 OPERATOR:
RUN TIME: 06/11/10 21:31:14
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	103.9032	47697.79	982.8182	1003.204	48228.34	973.2620	992.1611
SDEV	.2201	844.73	4.9632	14.905	750.55	8.5806	10.6677
%RSD	.2118590	1.770997	.5049940	1.485711	1.556248	.8816321	1.075197
#1	104.1543	47075.55	986.4017	995.9842	47857.64	968.2667	985.0130
#2	103.8119	47358.39	977.1532	993.2840	47735.26	968.3494	987.0472
#3	103.7434	48659.43	984.8996	1020.344	49092.12	983.1699	1004.423
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	961.1276	1018.949	24352.37	51614.85	50164.48	984.8463	50997.90
SDEV	14.7294	3.784	285.31	486.21	502.17	14.7584	532.01
%RSD	1.532517	.3713728	1.171590	.9419876	1.001051	1.498546	1.043206
#1	948.8547	1015.540	24137.25	51204.77	49727.53	975.2402	50463.58
#2	957.0666	1018.287	24243.85	51487.81	50052.83	977.4590	51002.56
#3	977.4615	1023.021	24676.02	52151.96	50713.08	1001.840	51527.57
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	973.4795	984.4902	982.2101	1044.802	972.5604	987.5363	1009.778
SDEV	10.7513	15.3276	13.8325	11.262	7.1208	6.9891	11.120
%RSD	1.104422	1.556907	1.408305	1.077860	.7321733	.7077267	1.101261
#1	968.9041	971.4825	972.2713	1039.890	966.8668	988.0181	1005.747
#2	965.7727	980.6000	976.3511	1036.831	970.2696	980.3188	1001.236
#3	985.7617	1001.388	998.0079	1057.685	980.5446	994.2720	1022.352
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1005.609	966.4612	975.6028	989.7684	986.4196	1022.663	992.9322
SDEV	5.354	6.7033	7.5527	4.0509	9.2685	11.539	12.4996
%RSD	.5324265	.6935924	.7741566	.4092750	.9396080	1.128296	1.258862
#1	1004.938	963.0346	968.7775	993.4598	985.2989	1016.187	983.1513
#2	1000.621	962.1638	974.3139	985.4348	977.7623	1015.816	988.6307
#3	1011.266	974.1851	983.7170	990.4106	996.1974	1035.985	1007.015
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1016.745	986.2162	4631.377
SDEV	12.313	9.8307	45.269
%RSD	1.211001	.9968072	.9774489
#1	1012.884	977.5341	4665.933
#2	1006.825	984.2242	4648.066
#3	1030.525	996.8903	4580.133
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB1 OPERATOR:
RUN TIME: 06/11/10 21:38:23
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3309747	8.602228	.1193811	-.002965	374.5168	.1132743	1.004815
SDEV	.0197678	2.810569	.0203963	.082670	.2407	.0426257	.377247
%RSD	5.972588	32.67257	17.08505	2787.773	.0642766	37.63049	37.54395
#1	.3423876	8.273080	.1218387	-.045812	374.7339	.0667293	.6677365
#2	.3081488	5.970726	.1384373	-.055417	374.5584	.1226858	.9344004
#3	.3423876	11.56288	.0978673	.0923323	374.2579	.1504076	1.412308
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.010078	-.016157	10.69118	-1432.22	4.746735	.2815365	19.65301
SDEV	.641982	.033634	4.67705	1.68	.601044	.0915306	43.90793
%RSD	63.55769	208.1663	43.74682	.1175326	12.66226	32.51110	223.4158
#1	.3677047	.0215427	6.372629	-1433.10	5.199167	.1901059	-28.2696
#2	1.010861	-.026928	15.65891	-1433.29	4.064742	.3731668	29.27998
#3	1.651669	-.043086	10.04200	-1430.28	4.976294	.2813367	57.94867
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1563407	2.092472	.2591188	.9055219	.5598993	2.191499	3.180101
SDEV	.5176054	1.048625	.1350719	.3496692	.6474335	1.341137	1.243269
%RSD	331.0752	50.11420	52.12740	38.61522	115.6339	61.19726	39.09528
#1	.7540198	1.632521	.4150843	.7034259	1.055178	2.293554	3.664376
#2	-.142829	1.352422	.1818300	.7038546	-.172709	.8022491	1.767567
#3	-.142169	3.292473	.1804420	1.309285	.7972287	3.478692	4.108359
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.921783	1.947522	-.135371	2.395239	2.087282	-.830738	.8687237
SDEV	.606304	.814071	1.369194	2.247823	2.538370	1.076210	2.240241
%RSD	31.54903	41.80035	1011.437	93.84547	121.6113	129.5486	257.8773
#1	2.039904	1.177920	.9914008	-.153783	3.512891	.3022181	2.109777
#2	1.265111	2.799759	-1.65922	4.093511	-.843416	-.955023	-1.71739
#3	2.460335	1.864888	.2617015	3.245991	3.592370	-1.83941	2.213781
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.086357	.3152421	4829.711
SDEV	.681871	.0995761	3.924
%RSD	62.76675	31.58717	.0812444
#1	1.871130	.2112888	4832.333
#2	.6387826	.4097709	4825.200
#3	.7491570	.3246667	4831.600
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052623-MSD1 OPERATOR:
RUN TIME: 06/11/10 21:45:31 B 6/17/10
COMMENT: SDG:1005157 CLIENTID:S73-9-10SD 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	41.71422	118346.2	1952.887	44.30959	771.5660	44.43719	421.4253
SDEV	.17233	1323.1	17.103	.52641	5.9136	.70178	5.0174
%RSD	.4131237	1.117992	.8758019	1.188019	.7664353	1.579257	1.190587
#1	41.73705	117073.1	1956.568	43.70612	768.0286	43.62755	415.6586
#2	41.87400	119714.2	1934.242	44.67437	778.3929	44.87126	424.7916
#3	41.53162	118251.2	1967.849	44.54827	768.2765	44.81276	423.8259
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	315.0005	251.4844	64228.17	3464.640	3920.561	468.2765	968.5148
SDEV	6.5069	.7916	676.47	54.170	37.686	6.5610	12.1487
%RSD	2.065685	.3147639	1.053222	1.563499	.9612384	1.401104	1.254365
#1	309.1133	251.6675	63462.51	3407.124	3883.035	461.1988	962.7773
#2	321.9871	252.1684	64744.90	3472.106	3958.405	474.1556	960.2973
#3	313.9011	250.6173	64477.09	3514.689	3920.244	469.4751	982.4696
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	422.9353	39.12568	544.3965	424.9383	88.17235	9.991851	84.14147
SDEV	3.0359	2.52874	9.1167	5.4719	.95717	1.474047	6.59963
%RSD	.7178254	6.463113	1.674645	1.287703	1.085563	14.75249	7.843487
#1	420.6531	36.99070	538.9199	419.8351	87.07547	9.696869	85.72729
#2	426.3809	38.46807	554.9207	430.7163	88.60329	11.59108	89.80370
#3	421.7719	41.91825	539.3490	424.2634	88.83830	8.687601	76.89341
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	32.79729	86.33900	89.08425	-1.17906	15.56621	684.3944	843.7666
SDEV	3.73636	13.17376	5.70228	7.09908	5.42665	5.7738	6.4344
%RSD	11.39228	15.25818	6.400993	602.0991	34.86173	.8436393	.7625762
#1	36.14874	77.47402	91.86563	-5.27825	17.17052	678.4638	837.4908
#2	33.47448	80.06601	92.86211	-5.27717	20.00983	689.9974	843.4603
#3	28.76864	101.4770	82.52501	7.018259	9.518278	684.7220	850.3486
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	767.5511	1158.638	4444.089
SDEV	7.2638	14.759	47.410
%RSD	.9463666	1.273847	1.066802
#1	759.1930	1146.564	4498.267
#2	772.3384	1175.092	4423.800
#3	771.1219	1154.258	4410.200
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: SDI1005157-01 OPERATOR:
RUN TIME: 06/11/10 21:52:40 6 @ 7/7/10
COMMENT: SDG:1005157 CLIENTID:S73-9-10L 1:5
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0000000	13718.40	24.78467	.5883926	475.4866	.0840714	-.235636
SDEV	.1369550	71.23	.32217	.2769128	1.5337	.2619866	.474860
%RSD	2199E6	.5192456	1.299883	47.06259	.3225458	311.6241	201.5228
#1	.0000000	13674.16	25.14513	.9066753	473.7189	.3180643	.3113427
#2	-.136955	13800.57	24.52478	.4557610	476.4628	-.198975	-.475914
#3	.1369550	13680.47	24.68410	.4027415	476.2782	.1331244	-.542337
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	20.05623	4.216989	6538.962	-551.853	574.7021	10.42383	253.0070
SDEV	.23700	.208378	16.997	7.082	1.5151	.07059	31.6492
%RSD	1.181665	4.941390	.2599413	1.283286	.2636296	.6771762	12.50921
#1	20.06560	4.044647	6553.781	-544.052	573.1150	10.40465	283.7000
#2	20.28840	4.448573	6520.408	-553.630	574.8583	10.36481	220.4812
#3	19.81468	4.157746	6542.698	-557.877	576.1331	10.50202	254.8399
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.236368	-.123308	13.60583	9.000682	14.55542	1.114806	2.885558
SDEV	.768288	2.459086	.14179	.453741	1.79531	1.607244	1.900936
%RSD	34.35427	1994.269	1.042123	5.041180	12.33429	144.1726	65.87760
#1	1.478159	1.994217	13.48562	8.523556	16.34011	-.429690	2.690560
#2	2.216593	-2.82041	13.56966	9.051778	12.74968	.9959127	4.876477
#3	3.014353	.4562736	13.76220	9.426711	14.57646	2.778195	1.089636
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.463932	16.42281	13.62053	-6.88787	5.107553	4.089658	1.293926
SDEV	.772714	1.49364	2.17827	5.29517	2.571898	1.302062	.468048
%RSD	166.5577	9.094914	15.99253	76.87682	50.35480	31.83792	36.17274
#1	-.758850	18.12214	15.44782	-12.3208	5.504345	5.569825	1.818878
#2	-1.04576	15.82846	11.21002	-1.74217	2.360319	3.121113	1.142754
#3	.4128112	15.31784	14.20375	-6.60061	7.457995	3.578036	.9201464
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.7708223	184.9058	4661.578
SDEV	1.166762	.7464	42.532
%RSD	151.3658	.4036622	.9123843
#1	2.111207	184.4455	4614.200
#2	.2183589	185.7670	4674.066
#3	-.017099	184.5049	4696.466
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052623-PS1 OPERATOR:
RUN TIME: 06/11/10 21:59:49 6 6/17/10
COMMENT: SDG:1005157 CLIENTID:S873-9-10A 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	19.74435	64405.52	519.1645	10.89582	788.5665	11.50493	104.3997
SDEV	.40848	550.57	3.4042	.08850	3.5263	.34171	1.9492
%RSD	2.068845	.8548480	.6557045	.8122076	.4471823	2.970143	1.867055
#1	20.02968	63911.39	520.0170	10.93948	785.7123	11.21817	103.0567
#2	19.92696	64999.00	522.0613	10.95400	792.5085	11.88303	106.6354
#3	19.27642	64306.19	515.4150	10.79398	787.4785	11.41359	103.5069
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	121.0352	74.15007	31792.51	2517.994	2544.641	79.68724	969.9799
SDEV	1.8269	.26003	386.90	11.566	30.645	1.54534	43.9986
%RSD	1.509365	.3506763	1.216954	.4593312	1.204306	1.939262	4.536032
#1	120.1454	73.94003	31606.03	2508.960	2524.701	78.23759	1014.593
#2	123.1364	74.44090	32237.33	2531.029	2579.927	81.31316	926.6231
#3	119.8236	74.06929	31534.17	2513.993	2529.294	79.51096	968.7233
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	88.57752	14.56225	171.7514	69.07634	74.32272	11.11486	123.7085
SDEV	.37872	2.84711	3.1787	.54957	1.68740	.32568	3.4939
%RSD	.4275562	19.55127	1.850737	.7956039	2.270366	2.930115	2.824333
#1	88.88269	15.42646	170.7403	68.50601	75.48558	11.43366	121.9003
#2	88.69617	11.38317	175.3126	69.60249	75.09522	10.78272	127.7360
#3	88.15367	16.87712	169.2012	69.12052	72.38736	11.12819	121.4892
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	24.58077	76.20222	73.38147	-7.72852	20.51992	21.26335	-.819098
SDEV	.44979	3.28959	2.30139	1.96405	.50853	1.77211	1.106916
%RSD	1.829854	4.316916	3.136202	25.41298	2.478243	8.334097	135.1384
#1	24.09391	79.94951	73.25415	-6.05944	20.16461	20.82707	-2.02584
#2	24.66757	73.79031	75.74387	-9.89276	21.10245	19.75013	.1490985
#3	24.98084	74.86684	71.14638	-7.23334	20.29271	23.21285	-.580556
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.344903	905.6694	4845.289
SDEV	.337627	5.4432	23.784
%RSD	25.10421	.6010122	.4908730
#1	1.645763	900.8886	4842.200
#2	.9797530	911.5934	4823.200
#3	1.409193	904.5264	4870.466
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005157-02 OPERATOR:
RUN TIME: 06/11/10 22:06:57
COMMENT: SDG:1005157 CLIENTID:SS51-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.723351	33760.23	99.10498	.9607869	156087.3	3.841325	3.503874
SDEV	.172331	229.51	.25349	.1252781	920.6	.253783	.112663
%RSD	9.999780	.6798159	.2557833	13.03912	.5897895	6.606652	3.215393
#1	1.746177	33502.49	99.24831	1.079373	156186.8	3.856955	3.633066
#2	1.883132	33942.50	99.25434	.8297467	156954.0	4.086932	3.426047
#3	1.540744	33835.70	98.81229	.9732412	155121.0	3.580089	3.452509
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	59.83384	305.8260	41617.31	2117.228	6190.146	263.6498	5135.011
SDEV	.02190	.3918	200.42	24.801	17.659	.3763	28.416
%RSD	.0366014	.1281034	.4815743	1.171383	.2852790	.1427392	.5533812
#1	59.81847	305.8906	41771.05	2098.968	6202.746	263.2389	5167.608
#2	59.82413	306.1814	41690.23	2107.253	6197.732	263.9776	5115.462
#3	59.85891	305.4059	41390.64	2145.464	6169.962	263.7329	5121.963
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	23.49439	-3.53060	78.96411	445.8702	361.0157	3.594117	15.36337
SDEV	.58086	2.97610	.71842	5.3577	1.7854	1.880443	1.47387
%RSD	2.472351	84.29451	.9098081	1.201620	.4945445	52.32004	9.593431
#1	23.11191	-2.33074	79.62587	449.9068	358.9670	3.730119	14.32659
#2	24.16279	-1.34172	79.06647	447.9120	361.8402	1.649364	17.05057
#3	23.20847	-6.91933	78.20001	439.7919	362.2398	5.402867	14.71296
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	10.78926	363.1982	359.9227	-17.7648	14.25495	33.84698	.0095836
SDEV	2.46424	6.7461	6.0438	2.0532	1.94115	2.64735	1.474884
%RSD	22.83971	1.857409	1.679181	11.55750	13.61739	7.821537	15389.73
#1	8.383580	370.9034	353.0045	-16.6240	13.88930	35.38217	1.592695
#2	13.30815	360.3369	362.5874	-20.1351	12.52263	35.36868	-.238278
#3	10.67605	358.3545	364.1762	-16.5354	16.35293	30.79009	-1.32567
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.468941	235.9541	4612.266
SDEV	.187246	.6307	27.802
%RSD	7.584065	.2673070	.6027888
#1	2.568782	235.2258	4638.133
#2	2.585108	236.3255	4615.800
#3	2.252934	236.3109	4582.866
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005157-03 OPERATOR:
RUN TIME: 06/11/10 22:14:06
COMMENT: SDG:1005157 CLIENTID:SS51D-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.403789	24377.45	73.45879	.7611930	25878.69	1.772256	-1.25150
SDEV	.330187	756.04	2.62834	.3442374	1193.24	.299340	.88330
%RSD	23.52110	3.101411	3.577982	45.22341	4.610896	16.89034	70.57982
#1	1.266834	23519.89	70.47154	.3654226	24559.24	1.435819	-2.19686
#2	1.780415	24947.83	75.41656	.9910745	26882.08	2.009117	-.447242
#3	1.164118	24664.62	74.48827	.9270818	26194.76	1.871833	-1.11038
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	41.44464	242.9158	25317.12	511.6039	2618.484	69.32745	3484.333
SDEV	2.65439	2.6612	1124.68	40.1928	97.050	3.02822	142.803
%RSD	6.404662	1.095537	4.442377	7.856241	3.706355	4.367993	4.098440
#1	38.97230	240.5030	24070.58	465.2975	2507.845	66.12669	3340.777
#2	44.24971	245.7702	26255.83	537.4493	2689.227	72.14704	3626.371
#3	41.11191	242.4742	25624.96	532.0649	2658.382	69.70860	3485.851
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	12.61771	-2.54280	53.56306	282.3489	460.9721	2.354443	17.88628
SDEV	1.39320	1.36764	2.12990	15.6880	15.4973	1.639711	3.39343
%RSD	11.04158	53.78494	3.976430	5.556254	3.361881	69.64327	18.97224
#1	11.37344	-.977142	51.11326	265.6705	443.5524	3.664404	15.23994
#2	14.12293	-3.14678	54.97588	296.8109	473.2292	2.883377	21.71205
#3	12.35677	-3.50447	54.60004	284.5652	466.1347	.5155477	16.70684
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	7.639680	461.2382	460.8353	-16.6687	11.84911	34.29662	1.190509
SDEV	1.891682	10.6332	18.3180	1.9672	2.21415	2.34509	2.189451
%RSD	24.76127	2.305362	3.974950	11.80168	18.68616	6.837679	183.9088
#1	5.787464	449.0345	440.8116	-14.5074	12.73414	32.70056	2.604526
#2	9.568501	466.1702	476.7494	-18.3547	13.48386	36.98909	2.298470
#3	7.563076	468.5098	464.9448	-17.1439	9.329349	33.20021	-1.33147
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.588118	276.5966	4596.533
SDEV	.459547	10.6755	109.224
%RSD	17.75601	3.859601	2.376231
#1	3.081455	264.4302	4721.400
#2	2.510705	284.3980	4549.466
#3	2.172195	280.9614	4518.733
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005157-04 OPERATOR:
RUN TIME: 06/11/10 22:21:15
COMMENT: SDG:1005157 CLIENTID:SS90-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6505364	3817.626	23.89002	.1245555	2019.068	.3564763	.9491704
SDEV	.2965164	35.158	.04796	.0509226	36.976	.3417072	.5167893
%RSD	45.58029	.9209388	.2007540	40.88350	1.831357	95.85692	54.44643
#1	.8217303	3784.462	23.83746	.1461687	1980.597	.4605054	.5704477
#2	.8217303	3854.486	23.90119	.0663910	2054.342	.6340786	1.537904
#3	.3081488	3813.932	23.93141	.1611067	2022.266	-.025155	.7391596
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	11.56307	4.933285	1672.978	L-1151.74	323.2195	19.41458	509.2831
SDEV	.19888	.148082	20.353	3.55	3.3294	.23778	54.8960
%RSD	1.719927	3.001691	1.216551	.3082559	1.030071	1.224751	10.77907
#1	11.56674	5.062542	1649.644	L-1148.05	319.7715	19.14611	541.5956
#2	11.76009	4.965599	1687.068	L-1152.04	323.4712	19.59864	540.3549
#3	11.36239	4.771714	1682.222	L-1155.13	326.4160	19.49898	445.8987
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.283261	-3.80252	9.423411	9.484349	14.83086	1.974700	11.84750
SDEV	.393207	.66140	.196826	.665744	1.04828	1.400506	1.03095
%RSD	17.22127	17.39358	2.088692	7.019395	7.068202	70.92246	8.701807
#1	2.219132	-4.36049	9.310901	8.836163	13.75712	1.816545	11.81654
#2	2.704590	-3.97514	9.650682	10.16636	14.88379	.6599847	10.83239
#3	1.926060	-3.07194	9.308650	9.450522	15.85166	3.447569	12.89359
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.50074	24.34288	10.07939	-20.2681	13.07686	13.04176	.0798053
SDEV	1.80782	1.37355	1.71725	3.5545	.75385	.73649	1.042284
%RSD	120.4621	5.642519	17.03726	17.53718	5.764753	5.647156	1306.033
#1	-2.24388	25.08075	8.101207	-22.0613	13.73498	13.56796	-.674933
#2	-2.81855	22.75809	10.94994	-22.5689	12.25440	12.20008	1.269044
#3	.5602171	25.18979	11.18702	-16.1743	13.24121	13.35722	-.354696
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.2996453	287.4912	4661.222
SDEV	.5755805	2.9178	24.791
%RSD	192.0873	1.014907	.5318557
#1	.6830686	284.8081	4671.999
#2	.5780750	290.5974	4632.866
#3	-.362208	287.0679	4678.800
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005157-05 OPERATOR:
RUN TIME: 06/11/10 22:28:24
COMMENT: SDG:1005157 CLIENTID:SB90-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6619493	21210.31	37.08026	-.051242	3285.718	.3951970	1.310026
SDEV	.3463590	186.03	.23152	.112011	23.960	.1653036	.528931
%RSD	52.32410	.8770917	.6243647	218.5939	.7292114	41.82814	40.37564
#1	1.061402	21376.92	37.16262	.0771450	3292.325	.5506015	1.396642
#2	.4451039	21009.58	36.81882	-.129003	3259.148	.4134757	.7431330
#3	.4793426	21244.44	37.25933	-.101866	3305.680	.2215138	1.790304
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	30.43824	5.746523	3519.479	-843.266	860.2103	13.11361	446.6926
SDEV	.19076	.202016	33.455	7.798	3.2742	.19379	102.6127
%RSD	.6267087	3.515451	.9505602	.9247028	.3806333	1.477800	22.97166
#1	30.65564	5.886550	3521.917	-834.802	861.2903	13.11555	556.1559
#2	30.29885	5.838078	3484.872	-850.157	856.5325	12.91886	431.2381
#3	30.36023	5.514939	3551.648	-844.838	862.8082	13.30643	352.6837
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	6.446720	-6.44958	16.37279	11.29351	19.11136	3.972932	12.49702
SDEV	.660377	2.97959	.37569	.49777	.84716	.652831	1.17106
%RSD	10.24362	46.19814	2.294585	4.407603	4.432760	16.43198	9.370689
#1	5.897271	-5.41338	16.69051	10.88618	19.05060	4.007257	13.43933
#2	7.179350	-4.12644	15.95813	11.14597	19.98726	3.303616	11.18597
#3	6.263538	-9.80892	16.46972	11.84837	18.29621	4.607925	12.86575
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.211926	27.78083	14.78036	-17.1213	14.50174	17.60891	.1667557
SDEV	2.298821	2.18974	.57808	2.9025	1.40394	1.08542	.4587056
%RSD	1084.730	7.882183	3.911115	16.95233	9.681162	6.164059	275.0764
#1	2.437108	28.78727	14.18699	-13.9703	12.98003	17.46645	.3875374
#2	-1.68322	29.28639	15.34182	-19.6856	14.77849	16.60175	.4733211
#3	-1.38966	25.26881	14.81227	-17.7081	15.74669	18.75853	-.360591
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.5114631	278.9751	4733.600
SDEV	.5837638	1.7079	35.751
%RSD	114.1360	.6122106	.7552602
#1	.6752691	279.7892	4698.999
#2	.9958249	277.0125	4770.400
#3	-.136705	280.1237	4731.400
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005157-06 OPERATOR:
RUN TIME: 06/11/10 22:35:32
COMMENT: SDG:1005157 CLIENTID:SS70-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3538005	769.4644	8.322930	.6744372	646.6154	-.179716	-.418857
SDEV	.2523778	6.9271	.061950	.0759893	7.9014	.074156	.462411
%RSD	71.33337	.9002500	.7443336	11.26707	1.221960	41.26280	110.3982
#1	.4451039	772.4420	8.311014	.7608862	642.8879	-.250854	-.009051
#2	.5478201	761.5463	8.389974	.6442243	641.2673	-.185423	-.920185
#3	.0684775	774.4048	8.267804	.6182010	655.6910	-.102872	-.327334
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	7.368521	1.874217	451.6395	L-1314.24	77.31827	18.63605	396.3120
SDEV	1.756738	.410762	30.1194	3.49	6.11069	.38952	5.6295
%RSD	23.84112	21.91646	6.668894	.2657380	7.903295	2.090162	1.420478
#1	7.293247	1.653404	439.1155	L-1310.62	79.74054	18.43655	390.7881
#2	5.650629	1.621090	429.8027	L-1314.50	70.36780	18.38669	396.1064
#3	9.161685	2.348157	486.0002	L-1317.59	81.84647	19.08491	402.0415
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.447842	-8.39611	3.617097	6.531518	15.31267	1.473155	13.08981
SDEV	1.394213	3.04352	.427107	1.173826	.40695	.836926	3.54319
%RSD	96.29594	36.24913	11.80800	17.97172	2.657572	56.81182	27.06832
#1	1.979945	-8.76526	4.079286	6.503951	15.48618	1.948413	12.66843
#2	-.134067	-5.18486	3.535022	5.371719	15.60410	.5067992	9.776146
#3	2.497646	L-11.2382	3.236984	7.718886	14.84773	1.964253	16.82484
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.179175	21.14899	12.39613	-26.3431	15.35769	20.23725	-.667890
SDEV	2.815194	5.05171	1.93416	4.7674	2.82623	1.02858	1.563045
%RSD	1571.197	23.88630	15.60290	18.09736	18.40268	5.082603	234.0274
#1	-.012952	24.51049	10.97801	-21.9266	13.86526	20.17956	-.314851
#2	-3.07380	23.59680	11.61097	-25.7055	13.59053	21.29346	-2.37726
#3	2.549224	15.33968	14.59940	-31.3973	18.61728	19.23873	.6884422
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.5738026	373.5588	4384.200
SDEV	.8329543	3.0691	44.947
%RSD	145.1639	.8215971	1.025209
#1	1.283537	371.3494	4352.667
#2	.7810924	372.2638	4364.267
#3	-.343222	377.0632	4435.667
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005157-07 OPERATOR:
RUN TIME: 06/11/10 22:42:41
COMMENT: SDG:1005157 CLIENTID:SS70-1-2 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.5364072	21795.51	28.24686	.5056030	807.3856	.1922229	-.164259
SDEV	.2746225	460.25	.33540	.1523063	12.0092	.3805810	.677591
%RSD	51.19664	2.111694	1.187386	30.12369	1.487412	197.9894	412.5142
#1	.8217303	21313.45	27.91549	.3692115	793.7338	-.192665	-.939162
#2	.2739101	22230.32	28.58615	.6699508	816.3189	.5683453	.3168612
#3	.5135814	21842.75	28.23894	.4776467	812.1041	.2009886	.1295239
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	16.17017	1.955002	2009.282	-827.604	566.3311	11.68396	741.2162
SDEV	.85448	.340578	64.046	6.472	14.8153	.35750	16.0553
%RSD	5.284272	17.42084	3.187503	.7819632	2.616012	3.059792	2.166075
#1	15.24325	2.348157	1936.476	-831.956	549.5992	11.27352	759.2849
#2	16.92644	1.766504	2056.925	-820.167	577.7833	11.85089	735.7755
#3	16.34082	1.750346	2034.446	-830.689	571.6108	11.92747	728.5881
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3.974013	-4.37377	8.696595	10.14620	26.92741	1.369156	12.63645
SDEV	.465799	3.70026	.292172	.26986	1.23629	1.461735	2.73809
%RSD	11.72112	84.60120	3.359617	2.659685	4.591196	106.7618	21.66815
#1	3.623521	-1.41789	8.827359	9.926309	25.76148	1.603835	12.80001
#2	3.795938	-3.17981	8.900546	10.44735	28.22373	-.195721	15.28909
#3	4.502579	-8.52360	8.361880	10.06494	26.79703	2.699353	9.820256
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.134816	35.93596	22.42725	-22.2456	13.15621	8.460312	1.031692
SDEV	1.529392	.61244	1.98121	4.3242	.27651	1.869052	.944224
%RSD	1134.432	1.704264	8.833932	19.43832	2.101782	22.09200	91.52192
#1	.1846265	36.52024	20.38757	-20.9339	12.85322	9.836112	2.120871
#2	-1.79870	35.98887	24.34429	-27.0738	13.22048	9.212459	.4443758
#3	1.209626	35.29878	22.54988	-18.7292	13.39493	6.332364	.5298284
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.0735195	281.6249	4574.800
SDEV	.8564567	4.9854	74.958
%RSD	1164.938	1.770235	1.638494
#1	1.039896	276.3819	4647.533
#2	-.227721	286.3049	4497.800
#3	-.591617	282.1880	4579.066
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005157-08 OPERATOR:
RUN TIME: 06/11/10 22:49:50
COMMENT: SDG:1005157 CLIENTID:SS69-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.8673819	11690.27	24.84061	-.223050	952.0309	.4881100	-.161357
SDEV	.6031596	309.92	.68110	.411796	18.7004	.1944493	1.170683
%RSD	69.53795	2.651130	2.741891	184.6200	1.964269	39.83718	725.5241
#1	1.540744	11777.80	25.26161	.0955224	963.8984	.6432165	.8471696
#2	.3766263	11947.01	25.20541	-.076626	961.7201	.5511519	.1139018
#3	.6847752	11345.99	24.05481	-.688048	930.4741	.2699616	-1.44514
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	16.15969	2.493571	11072.87	L-1010.82	387.8951	16.07762	555.4780
SDEV	1.11351	.016157	314.54	17.28	14.8975	.51137	144.3599
%RSD	6.890693	.6479524	2.840645	1.709230	3.840596	3.180610	25.98841
#1	17.37455	2.477413	11301.55	-994.468	400.0319	16.52114	720.5278
#2	15.91696	2.509728	11202.89	L-1009.10	392.3841	16.19345	493.1695
#3	15.18756	2.493571	10714.16	L-1028.89	371.2693	15.51827	452.7366
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3.691695	-5.36176	20.49143	12.52332	18.09484	3.712971	11.53326
SDEV	.745987	1.88815	.63812	.67092	.61070	.698979	1.11257
%RSD	20.20716	35.21508	3.114103	5.357335	3.375007	18.82534	9.646611
#1	4.540636	-3.18742	21.13458	13.23218	18.22706	3.103455	12.20697
#2	3.393597	-6.31003	20.48126	12.43957	18.62860	3.559537	12.14372
#3	3.140851	-6.58783	19.85845	11.89821	17.42886	4.475921	10.24910
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.162869	25.25266	14.51867	-14.1901	12.64858	12.36821	1.128614
SDEV	.678330	2.22876	.42273	3.4976	1.19360	1.53402	1.625121
%RSD	31.36250	8.825824	2.911616	24.64800	9.436609	12.40288	143.9927
#1	2.668188	26.62256	14.03302	-18.2282	13.75071	11.33481	2.644808
#2	2.428494	26.45448	14.71897	-12.1116	11.38082	11.63901	1.328057
#3	1.391923	22.68095	14.80402	-12.2306	12.81421	14.13081	-.587025
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.3033042	260.7327	4790.311
SDEV	.4976245	7.8777	156.549
%RSD	164.0678	3.021388	3.268039
#1	.4521323	264.8173	4668.667
#2	-.251753	265.7292	4735.333
#3	.7095332	251.6515	4966.933
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV1 OPERATOR:
RUN TIME: 06/11/10 22:56:59
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	104.2114	48284.54	996.8238	1005.238	48085.44	966.2491	986.2779
SDEV	3.1385	452.63	18.6123	19.189	1299.15	17.8924	14.1500
%RSD	3.011638	.9374261	1.867164	1.908856	2.701756	1.851738	1.434689
#1	106.8249	47769.07	976.2783	1022.395	49328.41	981.2861	1000.145
#2	100.7304	48467.47	1001.635	984.5179	46736.59	946.4605	971.8614
#3	105.0787	48617.07	1012.558	1008.801	48191.35	971.0006	986.8269
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	972.3888	1030.356	24283.99	51495.04	50369.53	988.1174	51137.69
SDEV	19.3088	13.002	384.09	1458.81	263.25	14.7497	738.40
%RSD	1.985711	1.261882	1.581659	2.832918	.5226363	1.492708	1.443949
#1	990.0982	1042.523	24652.16	49893.12	50655.61	1002.814	50285.54
#2	951.8032	1016.655	23885.75	52747.13	50137.50	973.3149	51588.50
#3	975.2650	1031.891	24314.06	51844.87	50315.46	988.2237	51539.04
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	966.2424	973.7432	996.7820	1028.307	967.7706	985.1047	1008.738
SDEV	12.4158	13.4892	12.7863	35.213	14.9725	11.9976	4.775
%RSD	1.284953	1.385288	1.282758	3.424343	1.547110	1.217900	.4733723
#1	975.5458	961.9262	1008.673	1065.165	982.2320	986.4730	1005.140
#2	952.1442	970.8637	983.2573	995.0105	968.7453	996.3596	1006.918
#3	971.0371	988.4395	998.4159	1024.746	952.3347	972.4817	1014.155
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1002.280	968.2194	967.5435	988.3433	983.4855	1010.270	987.2957
SDEV	4.295	17.1249	26.2536	10.6125	21.8124	13.970	7.8012
%RSD	.4284875	1.768699	2.713427	1.073766	2.217867	1.382786	.7901615
#1	999.0490	973.7436	986.4670	978.3029	990.5496	1016.004	978.6979
#2	1000.637	949.0142	978.5921	987.2794	1000.890	994.3454	989.2671
#3	1007.153	981.9003	937.5714	999.4477	959.0165	1020.460	993.9221
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1012.129	991.4969	4682.333
SDEV	10.878	8.5508	138.724
%RSD	1.074766	.8624111	2.962722
#1	1013.643	990.0261	4834.667
#2	1000.574	983.7769	4563.267
#3	1022.171	1000.688	4649.066
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB1 OPERATOR:
RUN TIME: 06/11/10 23:04:08
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1597809	21.42993	.2873953	.4238672	376.4889	.0420442	.2842916
SDEV	.4723625	7.23199	.0750515	.3020972	.9157	.1376584	.4720151
%RSD	295.6314	33.74714	26.11440	71.27165	.2432301	327.4131	166.0320
#1	.5135814	28.81583	.3660175	.7086217	375.4394	.1980215	-.260700
#2	.3423876	21.11157	.2796538	.4559861	377.1253	-.009427	.5507407
#3	-.376626	14.36238	.2165145	.1069939	376.9019	-.062461	.5628339
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1786123	.4200829	4.193841	-1426.62	7.311260	.3217003	14.95700
SDEV	.4751556	.2896277	7.006743	2.77	2.626658	.0486851	56.24743
%RSD	266.0263	68.94537	167.0722	.1938216	35.92621	15.13369	376.0609
#1	-.298480	.0861704	-3.56944	-1424.12	9.455779	.2950668	78.48758
#2	.6518068	.5708825	6.102403	-1426.14	8.096448	.2921423	-5.11757
#3	.1825103	.6031958	10.04856	-1429.59	4.381553	.3778916	-28.4990
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6282386	3.302588	.2357155	1.109689	-.538479	1.678396	1.239569
SDEV	.3220807	1.449894	.3567761	.204137	1.076766	.589088	1.649984
%RSD	51.26726	43.90176	151.3588	18.39586	199.9644	35.09826	133.1095
#1	.5355062	4.827999	.4428778	.9040787	-1.54712	1.430664	.5363335
#2	.3626969	1.942359	.4405205	1.112669	-.663771	1.253631	.0577122
#3	.9865125	3.137405	-.176252	1.312320	.5954522	2.350893	3.124661
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3742362	1.994963	-1.80586	1.874855	1.577749	.0950455	1.910446
SDEV	.8213373	1.315821	2.22312	4.648013	3.183753	2.959872	.749309
%RSD	219.4703	65.95718	123.1057	247.9132	201.7909	3114.165	39.22167
#1	1.314975	3.492757	-4.06587	5.006530	-.357182	-1.72495	2.761021
#2	-.200313	1.467071	-1.73017	4.083734	-.161871	3.510349	1.347841
#3	.0080465	1.025059	.3784431	-3.46570	5.252301	-1.50026	1.622477
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.9477601	.1797478	4706.466
SDEV	.8937614	.1802034	62.413
%RSD	94.30249	100.2534	1.326114
#1	1.969687	-.025996	4653.333
#2	.5615321	.3095508	4690.866
#3	.3120616	.2556890	4775.200
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005157-09 OPERATOR:
RUN TIME: 06/11/10 23:11:17
COMMENT: SDG:1005157 CLIENTID:SB69-2-3 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.5706460	81881.66	70.68136	.3764840	1416.573	2.989275	1.201850
SDEV	.2850947	976.75	.08013	.1406059	5.250	.283103	.333491
%RSD	49.95999	1.192882	.1133640	37.34710	.3706294	9.470628	27.74814
#1	.8902078	82400.56	70.73793	.5196328	1413.525	2.699399	1.584207
#2	.3423876	82489.45	70.58967	.2385671	1422.635	3.265080	.9710722
#3	.4793426	80754.98	70.71648	.3712522	1413.559	3.003346	1.050269
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	92.93559	5.633423	69691.29	530.5767	2486.816	57.88571	573.6679
SDEV	.86052	.216970	112.66	24.9641	.575	.23471	61.0044
%RSD	.9259336	3.851480	.1616579	4.705083	.0231172	.4054690	10.63410
#1	92.60342	5.789608	69628.47	549.8082	2486.358	57.67532	637.8474
#2	93.91270	5.724980	69821.35	539.5572	2487.461	58.13886	516.4328
#3	92.29067	5.385682	69624.04	502.3648	2486.629	57.84296	566.7236
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	27.83026	-3.83169	117.5356	42.77944	30.84782	8.617098	11.23261
SDEV	1.52308	4.27006	.9612	.18628	1.71592	1.075718	2.15002
%RSD	5.472738	111.4405	.8178062	.4354372	5.562535	12.48353	19.14086
#1	26.24410	.7102890	118.1489	42.70872	28.99773	7.423228	8.840330
#2	27.96543	-7.76437	118.0302	42.99072	31.15867	9.510977	13.00349
#3	29.28125	-4.44100	116.4278	42.63887	32.38708	8.917088	11.85400
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	15.80417	30.33967	31.09867	-9.92617	17.87230	16.83928	.4064583
SDEV	.23153	3.47337	3.70690	2.82133	.20494	3.00378	1.000042
%RSD	1.465010	11.44828	11.91981	28.42313	1.146695	17.83796	246.0379
#1	15.56081	33.34094	26.82652	-13.0470	17.64047	19.10941	1.536065
#2	15.82999	26.53500	33.46419	-7.55639	18.02934	17.97524	-.365889
#3	16.02171	31.14309	33.00531	-9.17509	17.94710	13.43318	.0491983
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.599549	1136.733	4774.977
SDEV	1.093914	8.784	28.404
%RSD	68.38893	.7727414	.5948438
#1	1.349666	1144.275	4743.600
#2	.6521945	1138.835	4782.400
#3	2.796785	1127.088	4798.933
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005157-10 OPERATOR:
RUN TIME: 06/11/10 23:18:26
COMMENT: SDG:1005157 CLIENTID:SB64-1-2 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0570646	35572.02	141.5570	.2915566	1484.333	.9870475	.7412148
SDEV	.1296258	258.99	.4359	.0386124	1.847	.1576518	.2807117
%RSD	227.1563	.7280702	.3079162	13.24353	.1244019	15.97206	37.87184
#1	.0000000	35569.29	141.9148	.3271908	1486.350	.9892807	.8839059
#2	.2054325	35314.40	141.0715	.2505324	1483.923	1.143571	.9219179
#3	-.034239	35832.36	141.6846	.2969465	1482.726	.8282909	.4178207
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	37.99350	6.882901	24790.48	-595.787	1606.258	238.1362	625.3881
SDEV	.75375	.049360	38.14	6.190	3.407	1.5830	26.5749
%RSD	1.983887	.7171466	.1538650	1.038951	.2121249	.6647550	4.249341
#1	37.20816	6.872129	24749.58	-592.945	1603.488	236.5571	625.6614
#2	38.71109	6.936758	24796.77	-602.888	1610.063	238.1284	651.8253
#3	38.06124	6.839816	24825.09	-591.529	1605.224	239.7231	598.6777
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	11.36471	-1.86120	51.12194	30.29848	30.04195	2.017289	11.94653
SDEV	.87063	.96795	.54350	.29192	.93608	1.169850	1.38293
%RSD	7.660859	52.00661	1.063145	.9634810	3.115924	57.99119	11.57600
#1	10.37018	-1.51307	50.54013	30.00919	30.68758	1.858834	10.62916
#2	11.73478	-2.95506	51.20909	30.29328	30.46988	.9347425	13.38682
#3	11.98918	-1.11547	51.61660	30.59296	28.96838	3.258289	11.82360
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.746353	34.24432	27.94107	-18.4876	12.25185	12.01419	-.089327
SDEV	1.470936	2.03850	.54886	.1680	1.77266	.93536	.863366
%RSD	53.55960	5.952825	1.964356	.9089178	14.46848	7.785448	966.5286
#1	2.473119	34.96676	28.54836	-18.6718	12.10625	12.08499	-.784546
#2	4.334748	35.82322	27.79440	-18.3427	10.55649	12.91213	.8770752
#3	1.431192	31.94298	27.48044	-18.4484	14.09282	11.04544	-.360509
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.2748084	409.9179	4781.555
SDEV	.1403276	.6380	42.461
%RSD	51.06379	.1556389	.8880166
#1	.1957054	410.4554	4794.999
#2	.1918900	409.2129	4815.667
#3	.4368297	410.0853	4733.999
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005157-11 OPERATOR:
RUN TIME: 06/11/10 23:25:34
COMMENT: SDG:1005157 CLIENTID:SB65-1-2 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6961881	26069.16	20.28963	.5933017	645.7686	.2147107	.0400910
SDEV	.2788585	599.46	.46319	.1025754	12.6456	.2837275	.9026220
%RSD	40.05506	2.299491	2.282892	17.28891	1.958223	132.1441	2251.432
#1	.8217303	26487.89	20.75048	.7032146	648.6100	.3527135	.1861426
#2	.3766263	25382.46	19.82413	.5001212	631.9441	-.111619	-.926651
#3	.8902078	26337.12	20.29428	.5765692	656.7518	.4030373	.8607811
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	34.09439	2.014245	1192.884	-835.093	434.4894	7.636306	528.2982
SDEV	1.85970	.461632	51.888	11.683	12.2784	.331451	28.7972
%RSD	5.454558	22.91836	4.349766	1.398990	2.825935	4.340465	5.450940
#1	34.62621	2.493571	1188.104	-823.146	441.2598	7.708818	505.3790
#2	32.02672	1.572619	1143.552	-846.493	420.3162	7.274602	518.8936
#3	35.63025	1.976546	1246.997	-835.638	441.8921	7.925498	560.6219
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.131179	-2.90118	21.54312	7.155075	19.31737	3.484890	12.41364
SDEV	.302870	1.90891	1.06463	.479737	.77109	1.342466	2.17173
%RSD	14.21137	65.79779	4.941853	6.704854	3.991709	38.52247	17.49472
#1	2.161645	-4.56962	21.63011	6.980339	20.20609	4.997704	14.67092
#2	1.814228	-.819494	20.43766	6.787197	18.92007	2.435633	10.33899
#3	2.417664	-3.31441	22.56158	7.697688	18.82594	3.021335	12.23101
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.783390	27.01749	15.47035	-16.9376	13.67821	10.21383	.2509645
SDEV	1.319011	.91045	.70557	3.3711	1.14775	1.26735	1.700248
%RSD	168.3722	3.369848	4.560822	19.90308	8.391110	12.40822	677.4854
#1	-.259117	28.06782	16.27844	-14.3006	14.62971	8.902736	1.656148
#2	-2.28393	26.45342	15.15614	-20.7358	14.00141	10.30639	-1.63904
#3	.1928772	26.53122	14.97646	-15.7764	12.40351	11.43237	.7357809
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.454588	253.7388	4597.844
SDEV	.210925	8.0885	74.363
%RSD	14.50063	3.187733	1.617341
#1	1.691855	258.4885	4516.533
#2	1.383572	244.3994	4662.400
#3	1.288337	258.3285	4614.600
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005157-12 OPERATOR:
RUN TIME: 06/11/10 23:32:43
COMMENT: SDG:1005157 CLIENTID:SB64-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4108651	51011.44	172.3863	.8515050	1598.051	1.372762	-.323559
SDEV	.0905872	825.90	1.0846	.0485089	22.135	.145905	.518244
%RSD	22.04793	1.619042	.6291532	5.696842	1.385111	10.62858	160.1697
#1	.4793426	50060.41	171.1359	.8308970	1572.499	1.475731	-.784206
#2	.4451039	51425.62	173.0713	.9069156	1611.357	1.436760	-.424039
#3	.3081488	51548.30	172.9517	.8167026	1610.295	1.205794	.2375669
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	42.15684	9.392630	28718.65	-524.325	1932.795	505.6363	604.3460
SDEV	.83820	.224460	608.04	4.769	34.201	11.3109	76.9758
%RSD	1.988298	2.389750	2.117247	.9095321	1.769502	2.236956	12.73704
#1	41.30370	9.651142	28039.97	-529.813	1894.252	493.1508	686.9029
#2	42.18754	9.247216	28902.26	-521.198	1944.619	508.5593	534.5450
#3	42.97927	9.279531	29213.74	-521.963	1959.516	515.1987	591.5900
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	13.88629	-2.32786	52.98906	38.18946	32.09137	2.654366	10.03794
SDEV	.22242	2.41164	1.30868	.42939	.68277	2.031189	1.83592
%RSD	1.601743	103.5990	2.469714	1.124374	2.127594	76.52255	18.28980
#1	14.11138	-3.61542	51.48166	37.82141	31.39643	1.831890	10.19554
#2	13.66663	.4542961	53.83465	38.08577	32.76129	1.163401	11.78999
#3	13.88086	-3.82247	53.65087	38.66120	32.11639	4.967807	8.128307
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3.274736	36.93947	29.66815	-14.6780	11.30508	13.83488	.4071455
SDEV	1.181230	3.68209	1.01814	5.4617	.38892	1.67557	2.429895
%RSD	36.07101	9.967897	3.431753	37.21005	3.440187	12.11120	596.8124
#1	1.912562	32.69167	30.74700	-17.3400	11.40101	12.94871	2.998400
#2	3.895277	39.22135	29.53329	-18.2983	10.87717	12.78848	.0434183
#3	4.016370	38.90538	28.72417	-8.39571	11.63705	15.76745	-1.82038
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.272299	405.3984	4850.578
SDEV	1.136820	3.0629	33.285
%RSD	89.35165	.7555324	.6862119
#1	.0671245	402.7487	4888.933
#2	2.325470	408.7520	4829.267
#3	1.424302	404.6945	4833.533
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005157-13 OPERATOR:
RUN TIME: 06/11/10 23:39:52
COMMENT: SDG:1005157 CLIENTID:SB66-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.5592331	11865.10	18.36303	.1539642	9412.366	.7858532	1.924202
SDEV	.1543911	30.82	.23975	.1484711	44.040	.1061720	.134183
%RSD	27.60765	.2597783	1.305604	96.43226	.4679004	13.51042	6.973414
#1	.4108651	11898.20	18.56677	.3150380	9361.965	.6846648	1.772499
#2	.5478201	11837.23	18.42346	.0225834	9431.704	.8963906	2.027340
#3	.7190139	11859.85	18.09884	.1242712	9443.429	.7765040	1.972768
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	36.53984	10.00660	12297.73	3242.737	8713.488	52.08064	40861.62
SDEV	.47407	.12824	72.53	28.695	23.656	.25590	97.47
%RSD	1.297417	1.281585	.5897561	.8848981	.2714927	.4913596	.2385325
#1	36.01216	9.861183	12244.79	3273.137	8723.206	52.12779	40956.17
#2	36.67754	10.05507	12268.01	3216.124	8686.521	51.80444	40761.47
#3	36.92982	10.10354	12380.40	3238.949	8730.738	52.30969	40867.21
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	11.61723	-2.78843	41.61337	42.14479	22.75769	2.988287	8.153717
SDEV	.35460	2.14806	.14072	.22438	.81434	.722301	1.995400
%RSD	3.052362	77.03490	.3381698	.5323940	3.578327	24.17109	24.47227
#1	11.50377	-.316681	41.74922	42.01184	21.84746	3.814134	5.888371
#2	12.01467	-3.84536	41.62267	42.01868	23.41719	2.474359	8.922006
#3	11.33324	-4.20325	41.46823	42.40384	23.00841	2.676368	9.650774
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	4.463360	28.75038	19.76301	-10.1269	9.533544	18.48689	.8043803
SDEV	2.126712	2.02216	1.97812	2.1906	1.344772	2.30505	1.408651
%RSD	47.64822	7.033493	10.00920	21.63120	14.10569	12.46858	175.1224
#1	5.983013	30.51869	17.51551	-9.87809	10.64746	16.01214	.5720409
#2	2.032937	29.18681	20.53389	-12.4313	9.913501	20.57278	2.314756
#3	5.374130	26.54565	21.23963	-8.07137	8.039673	18.87576	-.473656
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	11.23440	358.0413	4814.355
SDEV	.36728	2.4463	23.467
%RSD	3.269218	.6832409	.4874322
#1	10.84201	356.2952	4790.200
#2	11.29125	356.9915	4837.066
#3	11.56993	360.8373	4815.800
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005157-14 OPERATOR:
RUN TIME: 06/11/10 23:47:01
COMMENT: SDG:1005157 CLIENTID:SB65-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4907555	4505.292	8.265217	.6800829	844.1225	.2104699	.6135948
SDEV	.0790710	56.770	.059994	.1087855	3.9463	.1152148	.4378154
%RSD	16.11210	1.260081	.7258640	15.99591	.4675045	54.74172	71.35253
#1	.4451039	4569.848	8.326762	.6952624	848.6763	.3407788	1.119131
#2	.4451039	4463.150	8.206904	.5645049	841.7035	.1685348	.3635086
#3	.5820589	4482.878	8.261985	.7804814	841.9876	.1220960	.3581447
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	9.618511	2.913654	752.6816	L-1308.48	101.7395	6.635913	524.7327
SDEV	.220330	.256485	8.5053	3.74	3.2253	.081613	25.6761
%RSD	2.290688	8.802868	1.129997	.2861166	3.170199	1.229873	4.893180
#1	9.590161	3.204481	757.6358	L-1304.32	104.1601	6.588277	553.9083
#2	9.851645	2.816711	742.8607	L-1309.56	98.07800	6.589312	514.7112
#3	9.413729	2.719769	757.5483	L-1311.57	102.9805	6.730150	505.5786
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.143658	-6.71645	6.051758	9.870195	11.82082	2.703905	12.68511
SDEV	.563766	1.72418	.159388	.321383	.85397	.912733	1.44264
%RSD	26.29925	25.67103	2.633751	3.256093	7.224262	33.75610	11.37268
#1	1.955146	-5.26287	6.187813	9.500560	11.78646	2.903704	11.04927
#2	2.777524	-8.62143	6.091069	10.02648	10.98455	1.707824	13.77549
#3	1.698303	-6.26505	5.876393	10.08355	12.69144	3.500187	13.23056
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1294549	22.25513	6.608775	-23.1931	15.63030	13.22603	.7229918
SDEV	1.596303	1.25700	1.073423	.8096	1.33703	.77078	1.317165
%RSD	1233.096	5.648142	16.24239	3.490877	8.554090	5.827769	182.1826
#1	1.215241	21.01413	7.176819	-24.0479	16.35657	13.79960	1.258099
#2	-1.70339	22.22373	5.370692	-23.0937	14.08732	12.34987	-.777513
#3	.8765173	23.52754	7.278813	-22.4378	16.44702	13.52863	1.688389
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.242648	389.1003	4456.533
SDEV	1.279419	3.5453	32.841
%RSD	102.9591	.9111503	.7369117
#1	2.110690	393.1000	4422.267
#2	-.226646	387.8557	4487.733
#3	1.843901	386.3451	4459.600
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005157-15 OPERATOR:
RUN TIME: 06/11/10 23:54:10
COMMENT: SDG:1005157 CLIENTID:SS82-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4679297	17134.60	66.47133	.2897658	6815.346	.8532644	1.440353
SDEV	.2429103	149.52	.49689	.1357461	86.578	.0308430	.070880
%RSD	51.91170	.8726284	.7475283	46.84683	1.270334	3.614705	4.921051
#1	.6847752	16963.91	66.29073	.4132399	6716.761	.8727872	1.376848
#2	.2054325	17242.41	66.09000	.1444069	6879.004	.8692989	1.427390
#3	.5135814	17197.49	67.03326	.3116506	6850.274	.8177069	1.516820
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	24.00619	11.42842	10835.04	-716.745	1187.992	121.0563	515.2180
SDEV	.51848	.28585	135.64	5.169	10.500	2.4400	71.1606
%RSD	2.159776	2.501193	1.251893	.7211956	.8838362	2.015572	13.81175
#1	23.95671	11.37995	10729.27	-710.795	1186.936	118.6196	593.9406
#2	23.51422	11.73540	10787.89	-719.307	1178.060	121.0499	496.2505
#3	24.54763	11.16991	10987.97	-720.133	1198.980	123.4995	455.4630
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	8.305519	-3.77225	31.73027	37.35862	53.62989	2.777195	11.80466
SDEV	.681504	1.79055	.19729	.13659	1.49935	1.004512	.92526
%RSD	8.205440	47.46650	.6217829	.3656215	2.795727	36.17001	7.838074
#1	7.826060	-4.00188	31.50592	37.45446	52.55409	1.864789	10.74023
#2	9.085653	-1.87796	31.80815	37.20222	52.99305	3.853623	12.25730
#3	8.004843	-5.43691	31.87673	37.41917	55.34253	2.613172	12.41647
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.068972	59.08424	50.90393	-15.7545	12.02661	10.59380	-.111237
SDEV	.366960	.33636	2.12754	2.1968	.68277	1.23597	1.740258
%RSD	17.73636	.5692875	4.179512	13.94394	5.677195	11.66690	1564.466
#1	1.658006	58.70050	49.48260	-18.2203	11.88971	10.30083	1.864913
#2	2.363845	59.22416	49.87930	-14.0059	12.76747	9.530636	-.783680
#3	2.185064	59.32805	53.34990	-15.0374	11.42267	11.94993	-1.41494
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.235599	491.1711	4741.444
SDEV	.201682	8.1212	19.105
%RSD	16.32262	1.653437	.4029359
#1	1.359098	485.7995	4719.400
#2	1.344837	500.5138	4753.200
#3	1.002862	487.2001	4751.733
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005157-16 OPERATOR:
RUN TIME: 06/12/10 00:01:18
COMMENT: SDG:1005157 CLIENTID:SS82D-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6619493	21257.60	68.89062	.2195745	6610.099	.9464707	1.731997
SDEV	.2201244	87.51	.53580	.1793110	33.758	.1116343	.164983
%RSD	33.25397	.4116444	.7777562	81.66294	.5107012	11.79480	9.525586
#1	.7532527	21319.24	69.50729	.3794612	6572.077	.8412766	1.707533
#2	.4108651	21296.12	68.53902	.2535595	6621.672	1.063588	1.907846
#3	.8217303	21157.44	68.62556	.0257030	6636.549	.9345472	1.580612
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	25.81562	16.16243	12514.63	-702.770	1428.688	138.8387	595.2523
SDEV	.68435	.12619	45.12	7.979	3.227	.7502	11.2256
%RSD	2.650919	.7807698	.3605684	1.135387	.2258702	.5403523	1.885860
#1	25.02548	16.01702	12487.64	-694.297	1432.413	137.9746	607.5478
#2	26.22061	16.24322	12489.53	-703.873	1426.889	139.2184	585.5507
#3	26.20077	16.22706	12566.73	-710.140	1426.761	139.3232	592.6584
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	9.625846	-3.86603	35.10401	44.67864	49.46347	1.359531	12.05554
SDEV	.638828	.66847	.10666	.28109	1.57304	.189470	.25693
%RSD	6.636586	17.29094	.3038310	.6291325	3.180213	13.93644	2.131214
#1	9.554742	-3.88016	34.98103	44.84012	51.02872	1.348669	12.34540
#2	9.025545	-3.19060	35.15976	44.35407	49.47895	1.175725	11.85585
#3	10.29725	-4.52732	35.17124	44.84174	47.88274	1.554199	11.96538
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3.363264	54.59229	46.89995	-18.1810	11.11252	11.32816	.1612068
SDEV	2.313987	2.15274	1.37367	2.0387	1.01221	1.87086	.8856870
%RSD	68.80183	3.943297	2.928944	11.21311	9.108729	16.51512	549.4106
#1	1.735027	56.25029	48.41887	-20.5208	12.26435	9.190956	-.451253
#2	2.342670	55.36721	46.53627	-17.2352	10.36475	12.12401	1.176740
#3	6.012094	52.15937	45.74471	-16.7870	10.70846	12.66950	-.241866
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.605408	691.8078	4601.689
SDEV	.750641	2.5543	33.315
%RSD	46.75705	.3692194	.7239711
#1	.8335484	689.8515	4569.800
#2	1.649816	694.6975	4598.999
#3	2.332860	690.8744	4636.267
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005157-17 OPERATOR:
RUN TIME: 06/12/10 00:08:28
COMMENT: SDG:1005157 CLIENTID:SS82-2-3 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.182607	131464.4	219.1996	.6550304	6683.475	2.703579	3.774805
SDEV	.978254	1172.1	3.1874	.1294213	184.153	.046388	.839781
%RSD	535.7165	.8915983	1.454127	19.75806	2.755341	1.715818	22.24700
#1	.5135814	131974.2	217.3766	.6498457	6794.806	2.737058	4.262301
#2	.2396713	130123.7	217.3422	.5282794	6784.706	2.723051	4.257000
#3	-1.30107	132295.3	222.8801	.7869663	6470.914	2.650628	2.805115
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	128.0833	23.61083	55811.38	1072.142	2625.279	61.68794	535.6808
SDEV	3.8695	.40779	1280.69	48.608	38.960	1.22129	160.1493
%RSD	3.021062	1.727114	2.294676	4.533721	1.484050	1.979784	29.89640
#1	130.8234	23.67546	56865.13	1054.070	2668.073	62.69434	646.6934
#2	129.7698	23.98244	56183.04	1035.158	2615.901	62.04024	608.2565
#3	123.6569	23.17459	54385.96	1127.197	2591.863	60.32922	352.0927
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	31.64897	.1004283	145.6367	41.18594	39.81117	2.246197	11.82401
SDEV	1.11049	3.002837	4.0306	1.26157	.89597	1.416853	2.52903
%RSD	3.508776	2990.032	2.767604	3.063113	2.250546	63.07784	21.38898
#1	32.73772	-.253082	149.1508	41.44364	39.37293	3.870092	10.34585
#2	30.51795	3.264374	146.5224	42.29876	39.21867	1.261928	10.38196
#3	31.69124	-2.71001	141.2368	39.81541	40.84190	1.606571	14.74421
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	14.81794	27.88959	45.75975	-19.8049	13.25260	13.86838	-1.05254
SDEV	.94605	12.40636	7.49146	15.1360	6.78649	3.25516	3.53687
%RSD	6.384468	44.48385	16.37128	76.42565	51.20871	23.47178	336.0330
#1	14.73469	37.39468	40.35735	-9.53842	10.56172	15.34480	1.355158
#2	13.91627	32.41919	42.61011	-12.6887	8.224213	16.12369	.6004837
#3	15.80286	13.85492	54.31181	-37.1876	20.97188	10.13665	-5.11325

ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.871391	875.3867	4628.511
SDEV	1.017402	8.6867	110.658
%RSD	35.43236	.9923306	2.390787
#1	3.349151	870.1986	4681.400
#2	3.561982	885.4152	4702.800
#3	1.703041	870.5461	4501.333

ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005157-18 OPERATOR:
RUN TIME: 06/12/10 00:15:37
COMMENT: SDG:1005157 CLIENTID:SS82D-2-3 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6733623	84349.31	146.6294	.6686044	4520.168	2.093309	2.846755
SDEV	.1296259	369.30	1.2240	.0808578	125.358	.228616	.636805
%RSD	19.25054	.4378173	.8347604	12.09352	2.773294	10.92128	22.36952
#1	.8217303	83924.91	145.2741	.7074039	4380.527	1.834284	2.472075
#2	.6162977	84525.64	146.9599	.5756592	4556.977	2.266924	2.486160
#3	.5820589	84597.40	147.6542	.7227501	4623.001	2.178718	3.582029
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	82.55077	23.09380	37664.00	208.9090	1731.924	40.28246	636.7692
SDEV	2.76572	.18208	1160.71	11.9987	45.294	1.38148	68.8137
%RSD	3.350322	.7884397	3.081743	5.743503	2.615260	3.429470	10.80670
#1	79.88771	22.88376	36493.26	222.7027	1688.980	39.00563	686.5701
#2	82.35576	23.20690	37684.35	203.1389	1727.543	40.09278	558.2476
#3	85.40882	23.19075	38814.41	200.8854	1779.250	41.74898	665.4900
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	20.50622	-2.68008	94.78310	107.5413	32.82247	3.920941	11.25898
SDEV	.55086	3.52761	1.82371	4.7959	.64184	2.306158	3.28722
%RSD	2.686330	131.6236	1.924091	4.459579	1.955478	58.81644	29.19640
#1	19.89773	.8386517	92.91608	102.4824	32.15825	2.723851	7.961787
#2	20.64996	-2.66237	94.87307	108.1198	33.43929	2.459487	11.27903
#3	20.97096	-6.21651	96.56017	112.0217	32.86987	6.579485	14.53613
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	7.697047	35.51306	31.47597	-11.6086	11.67147	24.91138	.3908721
SDEV	.303598	2.17365	1.28959	3.0780	1.92108	1.26215	.8047898
%RSD	3.944350	6.120694	4.097052	26.51479	16.45965	5.066564	205.8959
#1	7.570119	36.12680	30.17371	-13.1627	10.65263	23.46804	.5015095
#2	8.043510	37.31384	31.50171	-13.5996	10.47443	25.45814	-.463512
#3	7.477510	33.09853	32.75250	-8.06337	13.88737	25.80797	1.134619
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.453390	631.3180	4691.155
SDEV	.715886	9.3380	14.919
%RSD	29.17944	1.479127	.3180221
#1	3.236628	620.5473	4674.400
#2	2.290672	636.2659	4702.999
#3	1.832870	637.1409	4696.066
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV1 OPERATOR:
RUN TIME: 06/12/10 00:22:46
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	103.7891	47350.82	982.8237	999.0897	47772.31	959.1031	976.2203
SDEV	.3325	302.36	6.7566	4.8680	255.48	4.3796	4.7720
%RSD	.3204087	.6385453	.6874672	.4872434	.5347921	.4566301	.4888261
#1	104.1543	47053.50	987.5452	997.3087	47600.32	958.0179	979.4805
#2	103.7092	47340.98	975.0841	995.3630	47650.71	955.3682	970.7430
#3	103.5038	47657.97	985.8417	1004.597	48065.87	963.9232	978.4373
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	960.0287	1018.508	23960.79	50506.01	49557.64	978.0323	49921.02
SDEV	6.1603	1.851	81.84	52.15	128.86	3.6276	38.46
%RSD	.6416756	.1817669	.3415607	.1032459	.2600252	.3709088	.0770360
#1	964.7410	1019.273	24029.09	50532.82	49654.91	977.6769	49877.75
#2	953.0580	1019.854	23870.08	50445.91	49411.49	974.5954	49934.01
#3	962.2873	1016.397	23983.19	50539.29	49606.53	981.8245	49951.30
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	957.9149	957.3351	980.5195	1021.568	958.7723	967.1327	993.9440
SDEV	1.5596	1.4005	3.1417	5.019	4.1020	3.1246	6.0178
%RSD	.1628116	.1462930	.3204155	.4912571	.4278416	.3230747	.6054452
#1	957.9421	957.6022	977.6448	1022.595	961.1286	965.7465	995.4569
#2	956.3418	958.5829	980.0405	1016.116	954.0357	964.9411	987.3142
#3	959.4606	955.8203	983.8733	1025.994	961.1526	970.7106	999.0611
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	988.2919	949.8910	963.2036	963.0704	969.1585	996.6242	972.7501
SDEV	4.1597	4.8773	4.2290	6.3509	4.7798	5.7852	5.0227
%RSD	.4208936	.5134631	.4390535	.6594412	.4931915	.5804812	.5163386
#1	988.0792	949.8480	966.7579	955.7612	970.7293	1000.260	976.2061
#2	984.2426	945.0353	958.5266	967.2401	963.7909	989.9530	966.9886
#3	992.5538	954.7897	964.3263	966.2098	972.9551	999.6598	975.0557
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1006.192	976.7997	4726.822
SDEV	4.903	2.5058	15.646
%RSD	.4872789	.2565363	.3310120
#1	1010.488	974.0319	4734.733
#2	1000.851	977.4530	4736.933
#3	1007.237	978.9141	4708.800
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB1 OPERATOR:
RUN TIME: 06/12/10 00:29:55
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0228258	11.24328	.2819497	.1346620	379.6654	-.052999	-.337597
SDEV	.3290010	3.97203	.0660046	.1258160	.7795	.130082	.108882
%RSD	1441.354	35.32804	23.41005	93.43095	.2053078	245.4432	32.25200
#1	.3766263	12.99053	.3336058	.1173697	379.9597	-.062462	-.427283
#2	-.273910	14.04217	.3046534	.2682297	378.7817	-.178091	-.216448
#3	-.034239	6.697141	.2075898	.0183866	380.2550	.0815567	-.369059
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.218363	.5008683	14.44607	-1430.32	9.009926	.4188465	-19.2349
SDEV	.370595	.2430731	2.26646	2.70	1.589368	.0495410	24.3566
%RSD	30.41745	48.53035	15.68912	.1884908	17.64019	11.82797	126.6271
#1	1.592262	.3769975	15.74960	-1427.67	10.82681	.3845103	-5.17489
#2	.8511633	.3446831	11.82899	-1430.23	7.877226	.3963902	-47.3595
#3	1.211662	.7809242	15.75962	-1433.06	8.325743	.4756388	-5.17034
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6912206	2.451986	.2004250	1.598172	1.270014	.5556583	1.834476
SDEV	.2451718	2.497346	.3223282	.475628	1.184218	.5424771	1.651034
%RSD	35.46939	101.8499	160.8224	29.76072	93.24446	97.62781	90.00030
#1	.4184087	4.813107	.5644363	2.147337	2.538222	.6153178	2.209602
#2	.8931204	-.162300	.0856298	1.329531	.1930684	1.065840	.0281560
#3	.7621327	2.705151	-.048791	1.317649	1.078752	-.014182	3.265669
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3739049	.7637985	1.520160	-1.44416	1.551488	-1.16200	.7208864
SDEV	1.006182	1.543737	1.404218	1.17197	.638046	.61132	.9367750
%RSD	269.1011	202.1130	92.37301	81.15247	41.12482	52.60930	129.9477
#1	1.096491	1.328203	3.139759	-.313836	1.076633	-.459644	1.234741
#2	-.775300	-.982715	.7774493	-1.36489	2.276755	-1.57430	1.288284
#3	.8005233	1.945907	.6432716	-2.65376	1.301074	-1.45205	-.360366
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.108976	.5096512	4673.866
SDEV	.525102	.0909744	73.958
%RSD	47.35020	17.85033	1.582367
#1	1.594773	.5622329	4705.200
#2	1.180296	.4046030	4589.400
#3	.5518588	.5621176	4726.999
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

Maintenance: none

Method(s) (circle one): ILM04.1 ILM05.4 Others ~~7470~~ 7471B Rle 6/3/10

Operator(s): NSB 1151 Date/Time 6/3/10 0913 to 6/3/10 1134

Printed: 6/3/2010 11:36:57 AM

↑	Specified element(s) fail(s) high
↓	Specified element(s) fail(s) low
RR	Re-run sample(s) neat
RR #X	Re-run at a #-fold dilution
#X	Sample run at a #-fold dilution (aliquot of sample diluted with acidified water)
L	Matrix = leachate
W	Matrix = water
S	Matrix = solid
B	Matrix = biological tissue

SDG	Matrix	Comments
1005157	Soil	Complete
1005177	Soil	↓

Batch
0052625
0052629

HG Run Log (V4)

File Name: V4060310

Cup	Sample ID	Client ID	Sample Type	DF	Date	Time	Results	Comments
	CAL1	S0	CALIB STD	1.0	03 JUN 10	09:13:01	1884	
	CAL2	S0.2	CALIB STD	1.0	03 JUN 10	09:14:52	4389	
	CAL3	S0.5	CALIB STD	1.0	03 JUN 10	09:16:46	7106	
	CAL4	S1.0	CALIB STD	1.0	03 JUN 10	09:18:36	13466	
	CAL5	S5.0	CALIB STD	1.0	03 JUN 10	09:20:29	57249	
	CAL6	S10.0	CALIB STD	1.0	03 JUN 10	09:22:24	113231	
	ICV1	ICV	ICV	1.0	03 JUN 10	09:24:19	3.92	
	ICB1	ICB	ICB	1.0	03 JUN 10	09:26:12	-.040	
	CRL1	CRI	CRI	1.0	03 JUN 10	09:28:02	.218	
c	CCV1	CCV1	CCV	1.0	03 JUN 10	09:29:54	4.82	
	CCB1	CCB1	CCB	1.0	03 JUN 10	09:31:56	-.018	
	0052629-BLK1	PBS	BLANK	1.0	03 JUN 10	09:33:46	.033	
	0052629-BS1	LCSS	LCS	1.0	03 JUN 10	09:35:37	6.84	
	1005177-01	59SB13-00	SAMPLE	1.0	03 JUN 10	09:37:50	.024	
	0052629-DUP1	59SB13-00D	DUPLICATE	1.0	03 JUN 10	09:39:42	.031	
	0052629-MS1	59SB13-00S	MATRIX SPIKE	1.0	03 JUN 10	09:41:32	.882	
	0052629-MSD1	59SB13-00SD	MATRIX SPIKE	1.0	03 JUN 10	09:43:23	.906	
	SDI1005177-01	SDI1005177-01	SDI	5	03 JUN 10	09:45:17	-.056	

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Reviewed By: [signature] Date: 060710

HG Run Log (V4)

File Name: V4060310

Cup	Sample ID	Client ID	Sample Type	DF	Date	Time	Results	Comments
	1005177-02	59SB18-00	SAMPLE	1.0	03 JUN 10	09:47:10	.028	
	1005177-03	59SB18-01	SAMPLE	1.0	03 JUN 10	09:49:01	.056	
	1005177-04	59SB18-02	SAMPLE	1.0	03 JUN 10	09:50:54	.043	
	CCV2	CCV2	CCV	1.0	03 JUN 10	09:53:08	4.98	
	CCB2	CCB2	CCB	1.0	03 JUN 10	09:54:59	-.023	
	1005177-05	59SB19-01	SAMPLE	1.0	03 JUN 10	09:56:51	-.018	
	1005177-06	59SB19-05	SAMPLE	1.0	03 JUN 10	09:58:45	.001	
	1005177-07	59SB20-00	SAMPLE	1.0	03 JUN 10	10:00:46	.058	
	1005177-08	59SB20-01	SAMPLE	1.0	03 JUN 10	10:02:37	.036	
	1005177-09	59SB20-05	SAMPLE	1.0	03 JUN 10	10:04:28	.030	
	1005177-10	59SB21-00	SAMPLE	1.0	03 JUN 10	10:06:29	.045	
	1005177-11	59SB21-01	SAMPLE	1.0	03 JUN 10	10:08:20	.060	
	1005177-12	59SB21-05	SAMPLE	1.0	03 JUN 10	10:10:16	.057	
	1005177-13	59SB22-00	SAMPLE	1.0	03 JUN 10	10:12:07	.058	
	1005177-14	59SB22-01	SAMPLE	1.0	03 JUN 10	10:14:00	.034	
	CCV3	CCV3	CCV	1.0	03 JUN 10	10:15:51	4.88	
	CCB3	CCB3	CCB	1.0	03 JUN 10	10:17:44	-.041	
	1005177-15	59SB22-05	SAMPLE	1.0	03 JUN 10	10:19:36	.120	
	1005177-16	59SB21-01D	SAMPLE	1.0	03 JUN 10	10:21:38	.017	
	1005177-17	59SB23-00	SAMPLE	1.0	03 JUN 10	10:23:33	.028	
	1005177-18	59SB23-01	SAMPLE	1.0	03 JUN 10	10:25:34	.131	
	1005177-19	59SB23-05	SAMPLE	1.0	03 JUN 10	10:27:35	.160	
	0052625-BLK1	PBS	BLANK	1.0	03 JUN 10	10:29:29	-.007	
	0052625-BS1	LCSS	LCS	1.0	03 JUN 10	10:31:31	6.51	
	1005157-01	SS73-9-10	SAMPLE	1.0	03 JUN 10	10:33:32	.009	
	0052625-DUP1	SS73-9-10D	DUPLICATE	1.0	03 JUN 10	10:35:24	.026	
	0052625-MS1	SS73-9-10S	MATRIX SPIKE	1.0	03 JUN 10	10:37:29	1.00	
	CCV4	CCV4	CCV	1.0	03 JUN 10	10:39:22	4.90	
	CCB4	CCB4	CCB	1.0	03 JUN 10	10:41:53	.009	
	0052625-MSD1	SS73-9-10SD	MATRIX SPIKE	1.0	03 JUN 10	10:43:53	.909	

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Reviewed By: _____ Date: 060710

HG Run Log (V4)

File Name: V4060310

Cup	Sample ID	Client ID	Sample Type	DF	Date	Time	Results	Comments
	SDI1005157-01	SDI1005157-01	SDI	5	03 JUN 10	10:46:04	-.077	
	1005157-02	SS51-0-1	SAMPLE	1.0	03 JUN 10	10:47:54	.554	
	1005157-03	SS51D-0-1	SAMPLE	1.0	03 JUN 10	10:49:46	.988	
	1005157-04	SS90-0-1	SAMPLE	1.0	03 JUN 10	10:51:39	.088	
	1005157-05	SB90-2-3	SAMPLE	1.0	03 JUN 10	10:53:30	.074	
	1005157-06	SS70-0-1	SAMPLE	1.0	03 JUN 10	10:55:21	.065	
	1005157-07	SB70-1-2	SAMPLE	1.0	03 JUN 10	10:57:14	.135	
	1005157-08	SS69-0-1	SAMPLE	1.0	03 JUN 10	10:59:07	.089	
	1005157-09	SB69-2-3	SAMPLE	1.0	03 JUN 10	11:01:01	.084	
	CCV5	CCV5	CCV	1.0	03 JUN 10	11:02:52	4.89	
	CCB5	CCB5	CCB	1.0	03 JUN 10	11:04:43	-.068	
	1005157-10	SB64-1-2	SAMPLE	1.0	03 JUN 10	11:06:43	.085	
	1005157-11	SB65-1-2	SAMPLE	1.0	03 JUN 10	11:08:37	.123	
	1005157-12	SS64-0-1	SAMPLE	1.0	03 JUN 10	11:10:44	.155	
	1005157-13	SS66-0-1	SAMPLE	1.0	03 JUN 10	11:12:46	.081	
	1005157-14	SS65-0-1	SAMPLE	1.0	03 JUN 10	11:14:40	.066	
	1005157-15	SS82-0-1	SAMPLE	1.0	03 JUN 10	11:16:32	.081	
	1005157-16	SS82D-0-1	SAMPLE	1.0	03 JUN 10	11:18:23	.089	
	1005157-17	SB82-2-3	SAMPLE	1.0	03 JUN 10	11:20:15	.129	
	1005157-18	SB82D-2-3	SAMPLE	1.0	03 JUN 10	11:22:08	.173	
	CCV6	CCV6	CCV	1.0	03 JUN 10	11:32:44	5.07	
	CCB6	CCB6	CCB	1.0	03 JUN 10	11:34:44	-.043	

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Reviewed By: 2 Date: 060710

Standards/QC Preparation Log for Analysis of Cold Vapor Mercury

COMPUCHEM a division of Liberty Analytical Corp. WORKSHEET 1 NNN

Seq. File Name: V4060310

205

REAGENTS	REF #[1]	MANUFACTURER	LOT #	EXPIRATION DATE
Sodium Chloride (NaCL)	1m2-188-15	JTBAKER	H14614	08/12
Hydrochloric Acid (HCL)	OD25012	Caledon	72420	04/13
Hydroxylamine Hydrochloride (NH_2OH-HCL)	0D13003	JT BAKER	H51598	04/13
Stannous Chloride ($SnCL_2$-$2H_2O$)	9L30015	JT BAKER	H13584	12/12

STANDARD LOT NUMBER[2]	PREPARATION INSTRUCTIONS
$SnCL_2$– 05-25-10-NB Stannous chloride	Place in a 1000 mL volumetric flask containing 500 mL of reagent water: 100 g of $SnCl_2$-$2H_2O$ Baker Instra-analyzed or equivalent 250 mL of HCL Baker Instra-analyzed or equivalent Dilute to 1000 mL with reagent water. Prepare as needed
HCL– 06-03-10 – NB Hydrochloric Acid	Place in a 2 L volumetric flask: 1000 mL of deionized water 200 mL of concentrated HCL Baker Instra-analyzed or equivalent Dilute to 2000 mL with reagent water. Prepare as needed
NH_2OH-HCL– 05-26-10 –NB Hydroxylamine hydrochloride	Place in a 2000 ml volumetric flask: 240.0 g of NH_2OH-HCl Baker Instra-analyzed or equivalent 240.0 g NaCl Baker Instra-analyzed or equivalent Dilute to 2000 mL with reagent water. Place solution in a repipetor bottle. Prepare as needed

Standard Solutions Prepared By: UR Baum

Entered By: UR Baum Date: 6/3/10

Reviewed By: 2 Date: 060710

[1]Ref# = Logbook ID, Page number, and item number from Materials Receipt Log

[2]Standard Lot Number consists of standard ID, date prepared, and initials of preparer.

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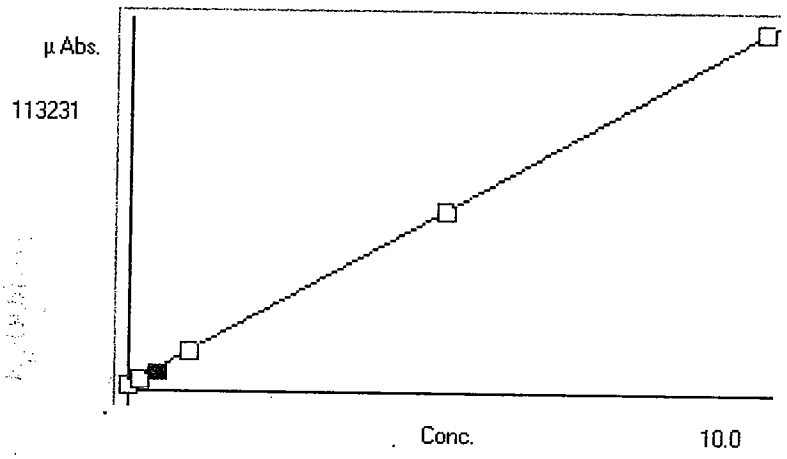
7/24/07: VR

Protocol: INSTIDV4

Folder: V4060310



☑ Calibrated

☑ Accepted

A :

B 8.99479e-5

C -1.74830e-1

Rhc .999976

Accepted Date: 03-Jun-10 09:22

S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
01	.00000	-.005	-.005	1884	0	1884				
02	.20000	.220	.020	4389	0%	4389				
03	.50000	.464	-.036	7107	0%	7106				
04	1.0000	1.04	.036	13467	0%	13466				
05	5.0000	4.97	-.025	57250	0%	57249				
06	10.000	10.0	.010	113231	0%	113231				
07										
08										
09										
10										

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Standard: 1 Rep: 1				Seq: 1		09:13:01 03 Jun 10			HG
Hg	.000	ppb	1884						
*** Standard: 2 Rep: 1				Seq: 2		09:14:52 03 Jun 10			HG
Hg	.200	ppb	4389						
*** Standard: 3 Rep: 1				Seq: 3		09:16:46 03 Jun 10			HG
Hg	.500	ppb	7106						
*** Standard: 4 Rep: 1				Seq: 4		09:18:36 03 Jun 10			HG
Hg	1.00	ppb	13466						
*** Standard: 5 Rep: 1				Seq: 5		09:20:29 03 Jun 10			HG
Hg	5.00	ppb	57249						
*** Standard: 6 Rep: 1				Seq: 6		09:22:24 03 Jun 10			HG
Hg	10.0	ppb	113231						

*** Check Standard: 3 Ck3 ICV Seq: 7 09:24:19 03 Jun 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		97.9	3.92	4.00	ppb	.000

I NB 6/3/10

*** Check Standard: 1 Ck1 CCB Seq: 8 09:26:12 03 Jun 10 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.040	.200	ppb	.000

*** Check Standard: 4 Ck4 CRI Seq: 9 09:28:02 03 Jun 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		109.	.218	.200	ppb	.000

*** Check Standard: 2 Ck2 CCV Seq: 10 09:29:54 03 Jun 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		96.4	4.82	5.00	ppb	.000

*** Check Standard: 1 Ck1 CCB Seq: 11 09:31:56 03 Jun 10 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.018	.200	ppb	.000

*** Sample ID: PBS			Seq: 12	09:33:46 03 Jun 10		HG
		0052629-BLK1				
Hg	.033	ppb	.000	.033		
*** Sample ID: LCSS			Seq: 13	09:35:37 03 Jun 10		HG
		0052629-BS1				
Hg	6.84	ppb	.000	6.84		
*** Sample ID: 59SB13-00			Seq: 14	09:37:50 03 Jun 10		HG
		1005177-01				
Hg	.024	ppb	.000	.024		
*** Sample ID: 59SB13-00D			Seq: 15	09:39:42 03 Jun 10		HG
		0052629-DUP1				
Hg	.031	ppb	.000	.031		

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------------

*** Sample ID: 59SB13-00S            Seq:  16     09:41:32 03 Jun 10   HG
                          0052629-MS1
Hg    .882    ppb       .000      .882
                                                                          =
*** Sample ID: 59SB13-00S            Seq:  17     09:43:23 03 Jun 10   HG
                          0052629-MSD1
Hg    .906    ppb       .000      .906
                                                                          =
===============================================================================
*** Sample ID: 59SB13-00             Seq:  18     09:45:17 03 Jun 10   HG
                        SDI1005177-01  5X
Hg   -.056    ppb       .000     -.056
                                                                          =
===============================================================================
*** Sample ID: 59SB18-00             Seq:  19     09:47:10 03 Jun 10   HG
                          1005177-02
Hg    .028    ppb       .000      .028
                                                                          =
===============================================================================
*** Sample ID: 59SB18-01             Seq:  20     09:49:01 03 Jun 10   HG
                          1005177-03
Hg    .056    ppb       .000      .056
                                                                          =
===============================================================================
*** Sample ID: 59SB18-02             Seq:  21     09:50:54 03 Jun 10   HG
                          1005177-04
Hg    .043    ppb       .000      .043
                                                                          =
*** Check Standard: 2  Ck2 CCV       Seq:  22     09:53:08 03 Jun 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          99.7     4.98    5.00  ppb         .000
                                                                          =
*** Check Standard: 1  Ck1 CCB       Seq:  23     09:54:59 03 Jun 10   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.023     .200     ppb         .000
                                                                          =
*** Sample ID: 59SB19-01             Seq:  24     09:56:51 03 Jun 10   HG
                          1005177-05
Hg   -.018    ppb       .000     -.018
                                                                          =
===============================================================================
*** Sample ID: 59SB19-05             Seq:  25     09:58:45 03 Jun 10   HG
                          1005177-06
Hg    .001    ppb       .000      .001
                                                                          =
===============================================================================
*** Sample ID: 59SB20-00             Seq:  26     10:00:46 03 Jun 10   HG
                          1005177-07
Hg    .058    ppb       .000      .058
                                                                          =
===============================================================================
*** Sample ID: 59SB20-01             Seq:  27     10:02:37 03 Jun 10   HG
                          1005177-08
Hg    .036    ppb       .000      .036
                                                                          =
===============================================================================
*** Sample ID: 59SB20-05             Seq:  28     10:04:28 03 Jun 10   HG
                          1005177-09
Hg    .030    ppb       .000      .030
                                                                          =
===============================================================================
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------------

*** Sample ID: 59SB21-00              Seq:  29     10:06:29 03 Jun 10   HG
                            1005177-10
Hg    .045    ppb       .000      .045
                                                                          =
===============================================================================
*** Sample ID: 59SB21-01              Seq:  30     10:08:20 03 Jun 10   HG
                            1005177-11
Hg    .060    ppb       .000      .060
                                                                          =
===============================================================================
*** Sample ID: 59SB21-05              Seq:  31     10:10:16 03 Jun 10   HG
                            1005177-12
Hg    .057    ppb       .000      .057
                                                                          =
===============================================================================
*** Sample ID: 59SB22-00              Seq:  32     10:12:07 03 Jun 10   HG
                            1005177-13
Hg    .058    ppb       .000      .058
                                                                          =
===============================================================================
*** Sample ID: 59SB22-01              Seq:  33     10:14:00 03 Jun 10   HG
                            1005177-14
Hg    .034    ppb       .000      .034
                                                                          =
*** Check Standard: 2  Ck2 CCV        Seq:  34     10:15:51 03 Jun 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          97.5     4.88    5.00  ppb         .000
                                                                          =
*** Check Standard: 1  Ck1 CCB        Seq:  35     10:17:44 03 Jun 10   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.041     .200     ppb         .000
                                                                          =
*** Sample ID: 59SB22-05              Seq:  36     10:19:36 03 Jun 10   HG
                            1005177-15
Hg    .120    ppb       .000      .120
                                                                          =
===============================================================================
*** Sample ID: 59SB21-01D             Seq:  37     10:21:38 03 Jun 10   HG
                            1005177-16
Hg    .017    ppb       .000      .017
                                                                          =
===============================================================================
*** Sample ID: 59SB23-00              Seq:  38     10:23:33 03 Jun 10   HG
                            1005177-17
Hg    .028    ppb       .000      .028
                                                                          =
===============================================================================
*** Sample ID: 59SB23-01              Seq:  39     10:25:34 03 Jun 10   HG
                            1005177-18
Hg    .131    ppb       .000      .131
                                                                          =
===============================================================================
*** Sample ID: 59SB23-05              Seq:  40     10:27:35 03 Jun 10   HG
                            1005177-19
Hg    .160    ppb       .000      .160
                                                                          =
===============================================================================
*** Sample ID: PBS                    Seq:  41     10:29:29 03 Jun 10   HG
                            0052625-BLK1
Hg   -.007    ppb       .000     -.007
                                                                          =
===============================================================================
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------------

*** Sample ID: LCSS                  Seq:  42     10:31:31 03 Jun 10   HG
                           0052625-BS1
Hg    6.51    ppb       .000      6.51
                                                                        =
================================================================================
*** Sample ID: SS73-9-10             Seq:  43     10:33:32 03 Jun 10   HG
                           1005157-01
Hg    .009    ppb       .000      .009
                                                                        =
================================================================================
*** Sample ID: SS73-9-10D            Seq:  44     10:35:24 03 Jun 10   HG
                           0052625-DUP1
Hg    .026    ppb       .000      .026
                                                                        =
================================================================================
*** Sample ID: SS73-9-10S            Seq:  45     10:37:29 03 Jun 10   HG
                           0052625-MS1
Hg    1.00    ppb       .000      1.00
                                                                        =
*** Check Standard: 2  Ck2 CCV       Seq:  46     10:39:22 03 Jun 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          98.0     4.90    5.00  ppb         .000
                                                                        =
*** Check Standard: 1  Ck1 CCB       Seq:  47     10:41:53 03 Jun 10   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg          .009     .200     ppb         .000
                                                                        =
*** Sample ID: SS73-9-10S            Seq:  48     10:43:53 03 Jun 10   HG
                           0052625-MSD1
Hg    .909    ppb       .000      .909
                                                                        =
================================================================================
*** Sample ID: SS73-9-10             Seq:  49     10:46:04 03 Jun 10   HG
                           SDI1005157-01  5X
Hg   -.077    ppb       .000     -.077
                                                                        =
================================================================================
*** Sample ID: SS51-0-1              Seq:  50     10:47:54 03 Jun 10   HG
                           1005157-02
Hg    .554    ppb       .000      .554
                                                                        =
================================================================================
*** Sample ID: SS51D-0-1             Seq:  51     10:49:46 03 Jun 10   HG
                           1005157-03
Hg    .988    ppb       .000      .988
                                                                        =
================================================================================
*** Sample ID: SS90-0-1              Seq:  52     10:51:39 03 Jun 10   HG
                           1005157-04
Hg    .088    ppb       .000      .088
                                                                        =
================================================================================
*** Sample ID: SB90-2-3              Seq:  53     10:53:30 03 Jun 10   HG
                           1005157-05
Hg    .074    ppb       .000      .074
                                                                        =
================================================================================
*** Sample ID: SS70-0-1              Seq:  54     10:55:21 03 Jun 10   HG
                           1005157-06
Hg    .065    ppb       .000      .065
                                                                        =
================================================================================
```

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: SB70-1-2 Seq: 55 10:57:14 03 Jun 10 HG
1005157-07

Hg	.135	ppb	.000	.135				

*** Sample ID: SS69-0-1 Seq: 56 10:59:07 03 Jun 10 HG
1005157-08

Hg	.089	ppb	.000	.089				

*** Sample ID: SB69-2-3 Seq: 57 11:01:01 03 Jun 10 HG
1005157-09

Hg	.084	ppb	.000	.084				

*** Check Standard: 2 Ck2 CCV Seq: 58 11:02:52 03 Jun 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		97.8	4.89	5.00	ppb	.000

*** Check Standard: 1 Ck1 CCB Seq: 59 11:04:43 03 Jun 10 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.068	.200	ppb	.000

*** Sample ID: SB64-1-2 Seq: 60 11:06:43 03 Jun 10 HG
1005157-10

Hg	.085	ppb	.000	.085				

*** Sample ID: SB65-1-2 Seq: 61 11:08:37 03 Jun 10 HG
1005157-11

Hg	.123	ppb	.000	.123				

*** Sample ID: SS64-0-1 Seq: 62 11:10:44 03 Jun 10 HG
1005157-12

Hg	.155	ppb	.000	.155				

*** Sample ID: SS66-0-1 Seq: 63 11:12:46 03 Jun 10 HG
1005157-13

Hg	.081	ppb	.000	.081				

*** Sample ID: SS65-0-1 Seq: 64 11:14:40 03 Jun 10 HG
1005157-14

Hg	.066	ppb	.000	.066				

*** Sample ID: SS82-0-1 Seq: 65 11:16:32 03 Jun 10 HG
1005157-15

Hg	.081	ppb	.000	.081				

*** Sample ID: SS82D-0-1 Seq: 66 11:18:23 03 Jun 10 HG
1005157-16

Hg	.089	ppb	.000	.089				

*** Sample ID: SB82-2-3 Seq: 67 11:20:15 03 Jun 10 HG
1005157-17

Hg	.129	ppb	.000	.129				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: SB82D-2-3 Seq: 68 11:22:08 03 Jun 10 HG

1005157-18

Hg	.173	ppb	.000	.173

*** Check Standard: 2 Ck2 CCV Seq: 69 11:32:44 03 Jun 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.	5.07	5.00	ppb	.000

*** Check Standard: 1 Ck1 CCB Seq: 70 11:34:44 03 Jun 10 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.043	.200	ppb	.000

5. Digestion and Distillation Logs

Logs shall be submitted in the following order: digestion logs for ICP, flame AA (if used), furnace AA (if used), and mercury preparations, followed by a copy of the distillation log for cyanide.

METALS/MERCURY PREPARATION LOG

Metals Method: 3050B / 6010B
Mercury Method: 7471B
Prepared By: NSB | DDD

CompuChem — A Division Of Liberty Analytical Corp.

Preparation Date: 6/1/10
Preparation Time: 1350
Batch Number: 52623/25
Blue Soil

COMPUCHEM SAMPLE ID	CLIENT SAMPLE ID	SAMPLE TYPE	ICP Initial (g)	ICP Final (mL)	HG Initial (g)	HG Final (mL)	*Description Before	*Description After ICP
0052623/25-BLK1	PBS	MB	1.00	100	.60	100	N / A	CS / CL
0052623/25-BS1	LCSS	LCS	1.00		.20		BR / F	Y / CL
0052623/25-DUP1	SB73-9-10D	DUP	1.00		.60		BR / M	Y / CL
0052623/25-MS1	SB73-9-10S	MS	1.00		.60		BR / M	Y / CL
0052623/25-MSD1	SB73-9-10SD	MSD	1.00		.60		BR / M	Y / CL
1005157-01	SB73-9-10	SAMPLE	1.00		.60		BR / M	Y / CL
1005157-02	SS51-0-1	SAMPLE	1.04		.61		BR / M	Y / CL
1005157-03	SS51D-0-1	SAMPLE	1.09		.60		BR / M	Y / CL
1005157-04	SS90-0-1	SAMPLE	1.02		.60		BR / M	Y / CL
1005157-05	SB90-2-3	SAMPLE	1.01		.61		BR / M	Y / CL
1005157-06	SS70-0-1	SAMPLE	1.08		.61		BR / M	Y / CL
1005157-07	SB70-1-2	SAMPLE	1.04		.62		BR / M	Y / CL
1005157-08	SS69-0-1	SAMPLE	1.01		.61		BR / M	Y / CL
1005157-09	SB69-2-3	SAMPLE	1.01		.63		BR / M	Y / CL
1005157-10	SB64-1-2	SAMPLE	1.06		.63		BR / M	Y / CL
1005157-11	SB65-1-2	SAMPLE	1.01		.62		BR / M	Y / CL
1005157-12	SS64-0-1	SAMPLE	1.09		.61		BR / M	Y / CL
1005157-13	SS66-0-1	SAMPLE	1.06		.64		BR / M	Y / CL
1005157-14	SS65-0-1	SAMPLE	1.07		.68		BR / M	Y / CL
1005157-15	SS82-0-1	SAMPLE	1.07		.62		BR / M	Y / CL
1005157-16	SS82D-0-1	SAMPLE	1.01		.61		BR / M	Y / CL
1005157-17	SB82-2-3	SAMPLE	1.01		.61		BR / M	Y / CL
1005157-18	SB82D-2-3	SAMPLE	1.02		.63		BR / M	Y / CL
							/	/
							/	/
							/	/

Mercury Standards and QC S0 S0.2 S0.5S1 S5 S10 ICV ICB CRI CCV CCB

NOTE: All standards and QC for mercury were prepared at the same day as the associated samples. Refer to the attached.

Standard/QC Preparation Log, with date matching the above preparation date, for preparation method and instruction.

Record of Tempature/Time		
Hot Block Temp In:	95°	C
Hot Block Temp Out:	95°	C
Time Hg in water bath:	6-1-10 D.D. 1400	1600
Time Hg out water bath:		1630
Water Bath Temp In:	95°	C
Water Bath Temp Out:	95°	C

MS Reference

ICAP: 1.0mL XCL-20
Ref #: 0B26007

HG: 1.0mL 100ppb Hg
Ref# Hg 100 ppb 060110 DD

LCS Reference

ICAP: 1.0g ERA PPT (540)
Ref #: 0B24007

HG: 0.2g ERA PPT (540)
Ref# 0B24007

* R=red, BL=blue, Y=yellow, G=green, O=orange, V=violet, W=white, CS=colorless, BR=brown, BK=black
GY= grey, F=fine, M=medium, C=coarse, CL=clear, CY=cloudy, OP=opaque

"The presence of the Chemist's/analyst's employee ID number, or signature, on this log attests that strict compliance with the method's SOP has occurred. Any SOP deviations requires documentation by the chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation."

Sample Verification Signature: _____
This signature corroborates that the sample identification numbers appearing on the digestion cups are the same as those appearing on the field sample containers.

Reviewed By: _____
Date: 6/14/10

Shading has been applied to unused portions of this worksheet as a substitute for 'Z-out.

Standards/QC Preparation Log for ICP Metals/Mercury Page 1 of 3 **Case/SDG:** 1005157

COMPUCHEM a division of Liberty Analytical Corp. Worksheet 1Q (1) 2

REAGENTS	REF#[1]	MANUFACTURER	LOT#	EXPIRATION DATE
SULFURIC ACID (H_2SO_4)	9L30014	CALEDON	71645	12/15
NITRIC ACID (HNO_3)	0E19001	JT BAKER	J10027	05/15
POTASSIUM PERMANGANATE ($KMnO_4$)	0D13009	JT BAKER	J04613	04/13
HYDROCHLORIC ACID (HCL)	0E20028	CALEDON	72420	05/15
POTASSIUM PERSULFATE ($K_2S_2O_8$)	0A07004	JT BAKER	H44465	11/12
HYDROGEN PEROXIDE (H_2O_2)	0B18004	CALEDON	70692	01/11
STANDARDS				
XCL 20R	0B26007	HIGH PURITY	0925409	09/11/10
XCL LCS 10XR	9L15003	HIGH PURITY	0935232	12/10/10
ERA PPT (540)	0B24007	ERA	540	12/03/10
EPA LCS (0405)	1m2-186-23	EPA	0405	11/17/11
ICV-1 (0307)	0B04003	EPA	0307	03/12/11
ILM05.3 MATRIX SPIKE	0B23010	HIGH PURITY	1004722	02/18/11
SILVER (Ag) 100ppm	9L15009	HIGH PURITY	0934323	12/15/10
TCLP 500	9L21002	HIGH PURITY	0934202	12/10/10
ARSENIC (As) 1000ppm	9F17001	HIGH PURITY	0911221	12/05/10
MERCURY (Hg) 20ppm	9L15007	HIGH PURITY	0916320	06/15/10
ICV-5 (0508) Hg	0E20020	EPA	0508	05/17/2015

[1]Ref#=Logbook ID, Page number, and item number from Materials Receipt Log

[2]Standard Lot Number consist of standard ID, date prepared, and initials of preparer

STANDARD SOLUTIONS PREPARED BY: D. Dickens DATE: 6-1-10

ENTERED BY: D. Dickens DATE: 6-1-10

REVIEWED BY: [signature] DATE: 06 01/10

The presence of the Chemist's/Analyst's employee ID number, or signature, on this worksheet attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

12/03/07:RM

Standards/QC Preparation Log for ICP Metals/Mercury Page 2 of 3 **Case/SDG:** 1005157
COMPUCHEM a division of Liberty Analytical Corp. Worksheet 1Q (1) 2

STANDARD LOT NUMBER[2]	PREPARATION INSTRUCTIONS
Hg 100ppb-06-01-10-DD	Place in a 100mL volumetric flask: 0.5mL of 20ppm Hg stock solution 2.5mL of concentrated HNO_3 Baker instra-analyzed Trace Metals grade or equivalent Dilute to 100mL volume with reagent water **(PREPARE DAILY)**
$K_2S_2O_8$- 05-25-10-DD Potassium Persulfate	Place in a 1000mL Erlenmeyer to a re-pipettor bottle **(PREPARE AS NEEDED)**
$KmnO_4$- 05-25-10 –DD Potassium Permanganate	Place in a 2000mL volumetric flask: 100.0g of $KmnO_4$ Baker instra-analyzed Trace Metals grade or equivalent Dilute to 2000mL with reagent water **(PREARE AS NEEDED)**
HNO_3- 05-25-10 - DD Nitric Acid	Place in a 2000mL volumetric flask: 500mL of Deionized water 1000mL of concentrated HNO_3 Baker instra-analyzed Trace Metals grade or equivalent Dilute to 2000mL with reagent water **(PREPARE AS NEEDED)**
HCl- 05-26-10 - DD Hydrochloric Acid	Place in a 2000mL volumetric flask: 500mL of Deionized water 1000mL of concentrated HCl Baker instra-analyzed Trace Metals grade or equivalent Dilute to 2000mL with reagent water **(PREPARE AS NEEDED)**
Aqua Regia- 05-27-10 - DD	Place in a 1000mL container: 600mL of Concentrated HCL 200mL of Concentrated HNO3 **(PREPARE AS NEEDED)**

[1]Ref#=Logbook ID, Page number, and item number from Materials Receipt Log
[2]Standard Lot Number consist of standard ID, date prepared, and initials of preparer

STANDARD SOLUTIONS PREPARED BY: D. Dicken DATE: 6-1-10

ENTERED BY: D. Dicken DATE: 6-1-10

REVIEWED BY: [signature] DATE: 060/10

The presence of the Chemist's/Analyst's employee ID number, or signature, on this worksheet attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Standards/QC Preparation Log for ICP Metals/Mercury Page 3 of 3 **Case/SDG:** 1005157
COMPUCHEM a division of Liberty Analytical Corp. Worksheet 1Q (1) 2

STANDARD LOT NUMBER[2]	PREPARATION INSTRUCTIONS	Resultant Analyte Concentration
ICV-5- 06-01-10-DD	Pipet into a 300mL BOD Bottle 1.0mL of ICV-5 and 99mL of reagent water. Digest according to sample preparation instructions	4.0µg/L
S0/ICB/CCB- 06-01-10-DD	Pipet into a 300mL BOD Bottle 100mL of reagent water Digest according to sample preparation instructions	0.0µg/L
S0.2/CRA/CRI- 06-01-10-DD	Pipet into a 300mL BOD Bottle 0.2mL of Hg 100ppb and 99.8mL of reagent water Digest according to sample preparation instructions	0.2µg/L
S0.5- 06-01-10-DD	Pipet into a 300mL BOD Bottle 0.5mL of Hg 100ppb and 99.5mL of reagent water Digest according to sample preparation instructions	0.5µg/L
S1.0- 06-01-10-DD	Pipet into a 300mL BOD Bottle 1.0mL of Hg 100ppb and 99mL of reagent water Digest according to sample preparation instructions	1.0µg/L
S5.0/CCV- 06-01-10-DD	Pipet into a 300mL BOD Bottle 5.0mL of Hg 100ppb and 95mL of reagent water Digest according to sample preparation instructions	5.0µg/L
S10.0- 06-01-10-DD	Pipet into a 300mL BOD Bottle 10mL of Hg 100ppb and 90mL of reagent water Digest according to sample preparation instructions	10.0µg/L

[1]Ref#=Logbook ID, Page number, and item number from Materials Receipt Log
[2]Standard Lot Number consist of standard ID, date prepared, and initials of preparer

STANDARD SOLUTIONS PREPARED BY: D. Dickens DATE: 6-1-10

ENTERED BY: D. Dickens DATE: 6-1-10

REVIEWED BY: [signature] DATE: 06/10

The presence of the Chemist's/Analyst's employee ID number, or signature, on this worksheet attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

C. Chain-of-Custody Documentation

The laboratory shall include a copy of the Chain-of-Custody (CoC) Documentation for all of the samples in the SDG. The CoC documentation shall be arranged in increasing Client Sample ID number order, considering both letters and numbers.

24783

Page 1 of 2

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CompuChem
a division of Liberty Analytical Corp.

CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier:
Airbill No.:
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: VA BEACH State: VA Zip: 23462
Project Contact: REBEKHA SHAW
Phone #: 757-671-6279
Sampler's Name: K ROGERS/ROW

Project Information

Project Name: CTO-94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or N
Are high concentrations expected? Y or N If yes, which ID(s)?

Requested Analysis (and Container Type)

Matrix Codes
GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

CompuChem No. (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Tot Metals 6010B (Share 2oz)	Tot Chromium 6010B	Chrom. VI 7196A	SIM PAH 8270 C (Share 80z)	TIC PEST. 8081A	Grain Size ASTM D422 (1-8oz.)		Grain Size	
1005134-06	BBG-SS33-0-1-10B	5.17	1150	SO	3								X	X	X	X	X		1005211-08	
-07	BBG-SB33-5-10B	5.17	1200	SO	3								X	X	X	X	X			-09
-08	BBG-SB31-5-6-10B	5.17	1240	SO	3								X	X	X	X	X			-10
-09	BBG-SS31-0-1-10B	5.17	1225	SO	3								X	X	X	X	X			-11
1005135-01	BBG-SB73-9-10-10B	5.17	1500	SO	3							X		X	X	X	X		✓	-12
-01	BBG-SB73-9-10-10B-MS	5.17	1500	SO	2							X		X	X	X				
✓ -01	BBG-SB73-9-10-10B-SD	5.17	1500	SO	2							X		X	X	X				
1005134-10	BBG-SS32-0-1-10B	5.18	1100	SO	3								X	X	X	X	X		1005211-13	
-11	BBG-SS32D-0-1-10B	5-18	1105	SO	3								X	X	X	X	X	(CMT)		
-12	BBG-SB32-2.5-3.5-10B	5.18	1110	SO	3								X	X	X	X	X		1005211-14	

Lab Use Only

Sample Unpacked By: K Manning
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or N/A
625 & Phenol samples checked for chlorine? Y or N/A
608 samples checked for pH between 5.0-9.0? Y or N/A

Sample Custody (5/19/10)

Relinquished by:	Date/Time: 5.18.10 1420	Received by: K Manning	Date/Time: 5.19.10 0905
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontract? Y or N If yes, where? Grain size to CT Labs
Custody Seal(s) intact? Y or N
On Ice? Y or N
Cooler Temp: 4.3 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

SNC010

R

24784

220

CHAIN OF CUSTODY

Page ____ of ____

CompuChem
a division of Liberty Analytical Corp.

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: VA BEACH State: VA Zip: 23462
Project Contact: Rebekka Shaw
Phone #: 757-671-6279
Sampler's Name: K. ROGERS

Project Information

Project Name: CTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER Contract
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Matrices
GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

Lab Use Only Sample ID	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B (Share 1-2oz.)	Tot Cr 6010B	Cr VI 7196A (Share 1-8oz.)	PAH 8270C	TCL PEST 8081A (1-8oz.)	Grain Size ASTM D422		Grain Size	
1005133-14	BBG-SS88-0-1-10B	5-19	0910	SO	3							X		X	X	X	X		1005210-09	
-15	BBG-SB88-2.5-3.5-10B	5-19	0925	SO	3							X		X	X	X	X			-10
-16	BBG-SS76-0-1-10B	5-19	0955	SO	3							X		X	X	X	X			-11
-17	BBG-SB76-6-7-10B	5-19	1045	SO	3							X		X	X	X	X			-12
-18	BBG-SS87-0-1-10B	5-19	1145	SO	3							X		X	X	X	X			-13
-19	BBG-SB87-3-4-10B	5-19	1155	SO	3							X		X	X	X	X			-14
1005134-15	BBG-SS12-0-1-10B	5-19	1245	SO	3								X	X	X	X	X			-15
-16	BBG-SB12-2-3-10B	5-19	1255	SO	3								X	X	X	X	X			-16
1005157-02	BBG-SS51-0-1-10B	5-19	1630	SO	3							X		X	X	X	X			-17
-03	BBG-SS51D-0-1-10B	5-19	1635	SO	2							X		X	X	X				—

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or N (A)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Sample Custody

Relinquished by:	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5.21.10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontract? (Y) or N If yes, where? Grain size to CT LABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 3.9 °C

Samples stored 60 days after date report mailed at no extra charge.

KM 5.21.10 - Client Delivery

White & Yellow copy to lab • Pink copy for customer

SN0015

R2

24786

221

CHAIN OF CUSTODY

CompuChem
a division of Liberty Analytical Corp.

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page ____ of ____

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: Va Beach State: VA Zip: 23462
Project Contact: REBEKHA SHAW
Phone #: 757-671-6279
Sampler's Name: K. ROGERS

Project Information

Project Name: CTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

Comp/Chem Sample No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B (Share 1-2621)	tot Cr 6010B	Cr VI 7196A	SIM PAH 8270C (Share 1-2621)	PCL PEST 8081A	Grain Size ASTM D422 (1-2621)		Grain size					
1005157-04	BBG-SS90-0-1-10B	5.19	1455	SO	3							X		X	X	X	X		1005212-18					
-05	BBG-SB90-2-3-10B	5.19	1500	SO	3							X		X	X	X	X		↓				-19	
1005134-17	BBG-SS44-0-1-10B	5.20	0810	SO	3								X	X	X	X	X		↓				-20	
1005134-18	BBG-SB44-5-6-10B	5.20	0825	SO	3								X	X	X	X	X		1005213-01					
↓	BBG-SB44-5-6-10B-MS	5.20	0825	SO	3								X	X	X	X			—					
↓	BBG-SB44-5-6-10B-SD	5.20	0825	SO	3								X	X	X	X			—					
1005133-20	BBG-SS68-0-1-10B	5.20	0930 ~~0950~~	SO	3							X		X	X	X	X		1005213-02					
1005134-19	BBG-SS43-0-1-10B	5.20	1035	SO	3								X	X	X	X	X		↓				-03	
↓ -20	BBG-SB43-3-4-10B	5.20	1045	SO	3								X	X	X	X	X		↓				-04	

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

Sample Custody

Relinquished by:	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5.21.10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? (Y) or N If yes, where? Grain size to CT LABS — Client Delivery - KM 5/21/10
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 3.1 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer SN0015

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CHAIN OF CUSTODY

CompuChem
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501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St Ste 107
City: Va Beach State: VA Zip: 23462
Project Contact: Rebekha Shaw
Phone #: 757-671-6279
Sampler's Name: K. Rogers

Project Information

Project Name: CTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N)? If yes, which ID(s)?

Matrices

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

Lab Sample No. (Lab Use Only)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B (Short 1-2oz.)	Tot Cr 6010B	Cr VI 7196A	SIM PAH 8270C (Short 1-8oz.)	TCL PEST 8081A	Grain Size ASTM D422 (1-8oz.)		Gram size		
1005157-06	BBG-SS70-0-1-10B	5.20	1200	SO	3							X		X	X	X	X		1005213-05		
-07	BBG-SB70-1-2-10B	5.20	1210	SO	3							X		X	X	X	X				-06
1005180-01	SBG-SS41-0-1-10B	5.20	1520	SO	3								X	X	X	X	X				-07
	~~BBG-SB41-1-2-10B~~	~~5.20~~	~~125~~	~~SO~~																	
1005180-02	BBG-SB41-1-2-10B	5.20	1525	SO	3								X	X	X	X	X		1005213-08		
1005157-08	BBG-SS69-0-1-10B	5.20	1610	SO	3							X		X	X	X	X				-09
-09	BBG-SB69-2-3-10B	5.20	1620	SO	3							X		X	X	X	X				-10
-10	BBG-SB69-1-2-10B	5.20	1820	SO	3							X		X	X	X	X				-11
-11	BBG-SB65-1-2-10B	5.20	1745	SO	3							X		X	X	X	X				-12
-12	BBG-SS64-0-1-10B	5.20	1815	SO	3							X		X	X	X	X				-13

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (N/A)
625 & Phenol samples checked for chlorine? Y or (N/A)
608 samples checked for pH between 5.0-9.0? Y or (N/A)

Comments

Sample Custody

Relinquished by:	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5-21-10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontract? Y or (N) If yes, where? Gram size to CT LABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 0.3 °C

Samples stored 60 days after date report mailed at no extra charge.

KM 5-21-10 - Client Delivery

White & Yellow copy to lab • Pink copy for customer SNOOKO

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CHAIN OF CUSTODY

CompuChem
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501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: Va Beach State: VA Zip: 23462
Project Contact: Rebekha Shaw
Phone #: 757-671-6279
Sampler's Name: K. Rogers

Project Information

Project Name: CTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N)? If yes, which ID(s)?

Matrix
GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

Computer Generated Number (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	6010B metals (Share 20Z)	tot cr 6010B	Cr VI 7196A	SIM PAH 8270C (Share 80Z)	TCL PEST 8081A	Grain Size ASTM D422 (1-80Z)	Gran size					
1005180-03	BBG-SS35-0-1-10B	5.20	1650	SO	3								X	X	X	X	X	1005213-14					
1005157-13	BBG-SS66-0-1-10B	5.20	1720	SO	3							X		X	X	X	X						15
↓ -14	BBG-SS65-0-1-10B	5.20	1740	SO	3							X		X	X	X	X						-16
1005180-04	BBG-SB35-2-3-10B	5.20	1700	SO	3								X	X	X	X	X						-17
1005157-15	BBG-SS82-0-1-10B	5.21	0825	SO	3							X	X	X	X	X	X	↓					-18
-16	BBG-SS82D-0-1-10B	5.21	0830	SO	3							X	X	X	X	X							
-17	BBG-SB82-2-3-10B	5.21	0840	SO	3							X		X	X	X	X	1005213-19					
↓ -18	BBG-SB82D-2-3-10B	5.21	0845	SO	3							X		X	X	X							

Lab Use Only

Sample Unpacked By: K Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

Sample Custody

Relinquished by:	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5.21.10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? (Y) or N If yes, where? Gran Size to CT LABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 1.3 °C

Samples stored 60 days after date report mailed at no extra charge.

KM 5.21-10 - Client Delivery

White & Yellow copy to lab • Pink copy for customer

SN0015

CompuChem
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Liberty Analytical Corp.

Sample ID Cross Reference

LAB WO	Project	Sample #	Field ID	Sample Date	Rec Date	DueDate	Chain of Custody ID
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-01	SB73-9-10	05/17/2010	05/19/2010	06/03/2010	BBG-SB73-9-10-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-01	SB73-9-10	05/17/2010	05/19/2010	06/10/2010	BBG-SB73-9-10-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-02	SS51-0-1	05/19/2010	05/21/2010	06/03/2010	BBG-SS51-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-02	SS51-0-1	05/19/2010	05/21/2010	06/10/2010	BBG-SS51-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-03	SS51D-0-1	05/19/2010	05/21/2010	06/03/2010	BBG-SS51D-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-03	SS51D-0-1	05/19/2010	05/21/2010	06/10/2010	BBG-SS51D-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-04	SS90-0-1	05/19/2010	05/21/2010	06/03/2010	BBG-SS90-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-04	SS90-0-1	05/19/2010	05/21/2010	06/10/2010	BBG-SS90-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-05	SB90-2-3	05/19/2010	05/21/2010	06/03/2010	BBG-SB90-2-3-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-05	SB90-2-3	05/19/2010	05/21/2010	06/10/2010	BBG-SB90-2-3-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-06	SS70-0-1	05/20/2010	05/21/2010	06/03/2010	BBG-SS70-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-06	SS70-0-1	05/20/2010	05/21/2010	06/10/2010	BBG-SS70-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-07	SB70-1-2	05/20/2010	05/21/2010	06/03/2010	BBG-SB70-1-2-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-07	SB70-1-2	05/20/2010	05/21/2010	06/10/2010	BBG-SB70-1-2-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-08	SS69-0-1	05/20/2010	05/21/2010	06/03/2010	BBG-SS69-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-08	SS69-0-1	05/20/2010	05/21/2010	06/10/2010	BBG-SS69-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-09	SB69-2-3	05/20/2010	05/21/2010	06/03/2010	BBG-SB69-2-3-10B

LAB WO	Project	Sample #	Field ID	Sample Date	Rec Date	DueDate	Chain of Custody ID
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-09	SB69-2-3	05/20/2010	05/21/2010	06/10/2010	BBG-SB69-2-3-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-10	SB64-1-2	05/20/2010	05/21/2010	06/03/2010	BBG-SB64-1-2-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-10	SB64-1-2	05/20/2010	05/21/2010	06/10/2010	BBG-SB64-1-2-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-11	SB65-1-2	05/20/2010	05/21/2010	06/03/2010	BBG-SB65-1-2-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-11	SB65-1-2	05/20/2010	05/21/2010	06/10/2010	BBG-SB65-1-2-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-12	SS64-0-1	05/20/2010	05/21/2010	06/03/2010	BBG-SS64-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-12	SS64-0-1	05/20/2010	05/21/2010	06/10/2010	BBG-SS64-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-13	SS66-0-1	05/20/2010	05/21/2010	06/03/2010	BBG-SS66-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-13	SS66-0-1	05/20/2010	05/21/2010	06/10/2010	BBG-SS66-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-14	SS65-0-1	05/20/2010	05/21/2010	06/03/2010	BBG-SS65-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-14	SS65-0-1	05/20/2010	05/21/2010	06/10/2010	BBG-SS65-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-15	SS82-0-1	05/21/2010	05/21/2010	06/03/2010	BBG-SS82-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-15	SS82-0-1	05/21/2010	05/21/2010	06/10/2010	BBG-SS82-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-16	SS82D-0-1	05/21/2010	05/21/2010	06/03/2010	BBG-SS82D-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-16	SS82D-0-1	05/21/2010	05/21/2010	06/10/2010	BBG-SS82D-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-17	SB82-2-3	05/21/2010	05/21/2010	06/03/2010	BBG-SB82-2-3-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-17	SB82-2-3	05/21/2010	05/21/2010	06/10/2010	BBG-SB82-2-3-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-18	SB82D-2-3	05/21/2010	05/21/2010	06/03/2010	BBG-SB82D-2-3-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-18	SB82D-2-3	05/21/2010	05/21/2010	06/10/2010	BBG-SB82D-2-3-10B

WORK ORDER

1005157

Printed: 7/7/2010 10:36:26AM

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005157** **CASE:**	**Status:**	**Reported**

Report To:
CH2M HILL, INC.
REBEKHA SHAW
5700 CLEVELAND STREET, SUITE 101
VIRGINIA BEACH, VA 23462
Phone: 757-671-8311
Fax: -

Invoice To:
CH2M HILL, INC.
ACCOUNTS PAYABLE
P.O. BOX 241329
DENVER, CO 80224
Phone :757-671-8311
Fax: -

Date Due: 06/10/2010 00:00 (20 day TAT)

Received By: Cathy Dover — Date Received: 05/21/2010 16:00

Logged In By: Cathy Dover — Date Logged In: 05/20/2010 11:35

J & B Flags?: **YES**	TICS?:**NO**	Deliverable: **Style 9 PQL/MDL Forms**	EDD : **30) CH2 SNEDD**
Metals ND to? **RL/CRQL**	Spike Level: **FULL Spike**		

DOD CRITERIA*USE 1005157-01 FOR QC*SIM 8270C=PAH.SUB*PEST 8081A*TAL METALS*HEXAVALENT Cr 7196A + Cr+3 REPORTED ON FORMS & EDD

Analysis	Due	TAT	Expires	Received	Comments
1005157-01 SB73-9-10 [Soil] Sampled 05/17/2010 15:00 Eastern					**USE FOR QC**
GC-8081A/PEST	06/10/2010 16:00	20	05/31/2010 15:00	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/13/2010 15:00	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/31/2010 15:00	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/13/2010 15:00	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/13/2010 15:00	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/14/2010 15:00	05/19/2010 09:05	
1005157-02 SS51-0-1 [Soil] Sampled 05/19/2010 16:30 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 16:30	05/21/2010 16:05	
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 16:30	05/21/2010 16:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 16:30	05/21/2010 16:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 16:30	05/21/2010 16:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 16:30	05/21/2010 16:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 16:30	05/21/2010 16:05	

1005157

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005157** **CASE:**	**Status:**	**Reported**

Analysis	Due	TAT	Expires	Comments
1005157-03 SS51D-0-1 [Soil] Sampled 05/19/2010 16:35 Eastern				
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 16:35	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 16:35	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 16:35	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 16:35	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 16:35	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 16:35	05/21/2010 16:05
1005157-04 SS90-0-1 [Soil] Sampled 05/19/2010 14:55 Eastern				
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 14:55	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 14:55	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 14:55	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 14:55	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 14:55	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 14:55	05/21/2010 16:05
1005157-05 SB90-2-3 [Soil] Sampled 05/19/2010 15:00 Eastern				
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 15:00	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 15:00	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 15:00	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 15:00	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 15:00	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 15:00	05/21/2010 16:05
1005157-06 SS70-0-1 [Soil] Sampled 05/20/2010 12:00 Eastern				
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 12:00	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 12:00	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 12:00	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 12:00	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 12:00	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 12:00	05/21/2010 16:05

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005157** **CASE:**	**Status:**	**Reported**

Analysis	Due	TAT	Expires	Comments
1005157-07 SB70-1-2 [Soil] Sampled 05/20/2010 12:10 Eastern				
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 12:10	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 12:10	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 12:10	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 12:10	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 12:10	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 12:10	05/21/2010 16:05
1005157-08 SS69-0-1 [Soil] Sampled 05/20/2010 16:10 Eastern				
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 16:10	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 16:10	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 16:10	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 16:10	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 16:10	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 16:10	05/21/2010 16:05
1005157-09 SB69-2-3 [Soil] Sampled 05/20/2010 16:20 Eastern				
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 16:20	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 16:20	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 16:20	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 16:20	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 16:20	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 16:20	05/21/2010 16:05
1005157-10 SB64-1-2 [Soil] Sampled 05/20/2010 18:20 Eastern				
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 18:20	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 18:20	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 18:20	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 18:20	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 18:20	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 18:20	05/21/2010 16:05

1005157

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005157** **CASE:**	**Status:**	**Reported**

Analysis	Due	TAT	Expires	Comments
1005157-11 SB65-1-2 [Soil] Sampled 05/20/2010 17:45 Eastern				
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 17:45	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 17:45	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 17:45	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 17:45	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 17:45	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 17:45	05/21/2010 16:05
1005157-12 SS64-0-1 [Soil] Sampled 05/20/2010 18:15 Eastern				
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 18:15	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 18:15	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 18:15	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 18:15	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 18:15	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 18:15	05/21/2010 16:05
1005157-13 SS66-0-1 [Soil] Sampled 05/20/2010 17:20 Eastern				
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 17:20	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 17:20	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 17:20	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 17:20	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 17:20	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 17:20	05/21/2010 16:05
1005157-14 SS65-0-1 [Soil] Sampled 05/20/2010 17:40 Eastern				
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 17:40	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 17:40	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 17:40	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 17:40	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 17:40	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 17:40	05/21/2010 16:05

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005157** **CASE:**	**Status:**	**Reported**

Analysis	Due	TAT	Expires	Comments
1005157-15 SS82-0-1 [Soil] Sampled 05/21/2010 08:25 Eastern				
6010B METALS TAL	06/10/2010 16:00	20	11/17/2010 08:25	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/04/2010 08:25	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/17/2010 08:25	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/17/2010 08:25	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/04/2010 08:25	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/18/2010 08:25	05/21/2010 16:05
1005157-16 SS82D-0-1 [Soil] Sampled 05/21/2010 08:30 Eastern				
Solids, Dry Weight	06/03/2010 16:00	13	11/17/2010 08:30	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/04/2010 08:30	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/17/2010 08:30	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/04/2010 08:30	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/18/2010 08:30	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/17/2010 08:30	05/21/2010 16:05
1005157-17 SB82-2-3 [Soil] Sampled 05/21/2010 08:40 Eastern				
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/17/2010 08:40	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/17/2010 08:40	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/04/2010 08:40	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/17/2010 08:40	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/18/2010 08:40	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/04/2010 08:40	05/21/2010 16:05
1005157-18 SB82D-2-3 [Soil] Sampled 05/21/2010 08:45 Eastern				
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/04/2010 08:45	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/18/2010 08:45	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/04/2010 08:45	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/17/2010 08:45	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/17/2010 08:45	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/17/2010 08:45	05/21/2010 16:05

Analysis groups included in this work order

TRIVALENT CHROMIUM Cr3 7196A

Total Cr by Metals HEXAVALENT CHROMI

INTERNAL DIGESTION COC

0052623

COMPUCHEM

Printed: 5/26/2010 4:13:12PM

Matrix: Soil **Prepared using: METALS - EPA 3050B**

Lab Number	Client ID	Sample Type	
0052623-BLK1	PBS	Blank	
0052623-BS1	LCSS	LCS	
0052623-DUP1	SS73-9-10D	Duplicate	
0052623-MS1	SS73-9-10S	Matrix Spike	
0052623-MSD1	SS73-9-10SD	Matrix Spike Dup	
1005157-01	SS73-9-10	Sample	
1005157-02	SS51-0-1	Sample	
1005157-03	SS51D-0-1	Sample	
1005157-04	SS90-0-1	Sample	
1005157-05	SB90-2-3	Sample	
1005157-06	SS70-0-1	Sample	
1005157-07	SB70-1-2	Sample	
1005157-08	SS69-0-1	Sample	
1005157-09	SB69-2-3	Sample	
1005157-10	SB64-1-2	Sample	
1005157-11	SB65-1-2	Sample	
1005157-12	SS64-0-1	Sample	
1005157-13	SS66-0-1	Sample	
1005157-14	SS65-0-1	Sample	
1005157-15	SS82-0-1	Sample	
1005157-16	SS82D-0-1	Sample	
1005157-17	SB82-2-3	Sample	
1005157-18	SB82D-2-3	Sample	

D. Dickens	6-1-10 1700	ICP Stg	6-1-10 1700
Relinquished By	Date	Received By	Date
ICP Storage	06.11.10 14:44	[signature]	06.11.10 14:44
Relinquished By	Date	Received By	Date
[signature]	06.14.10 11:44	ICP Storage	06.14.10 11:44
Relinquished By	Date	Received By	Date
Relinquished By	Date	Received By	Date

INTERNAL DIGESTION COC

0052625

COMPUCHEM

Printed: 5/26/2010 4:13:07PM

Matrix: Soil **Prepared using: METALS - EPA 7471A Prep**

Lab Number	Client ID	Sample Type	
0052625-BLK1	PBS	Blank	
0052625-BS1	LCSS	LCS	
0052625-DUP1	SS73-9-10D	Duplicate	
0052625-MS1	SS73-9-10S	Matrix Spike	
0052625-MSD1	SS73-9-10SD	Matrix Spike Dup	
1005157-01	SS73-9-10	Sample	
1005157-02	SS51-0-1	Sample	
1005157-03	SS51D-0-1	Sample	
1005157-04	SS90-0-1	Sample	
1005157-05	SB90-2-3	Sample	
1005157-06	SS70-0-1	Sample	
1005157-07	SB70-1-2	Sample	
1005157-08	SS69-0-1	Sample	
1005157-09	SB69-2-3	Sample	
1005157-10	SB64-1-2	Sample	
1005157-11	SB65-1-2	Sample	
1005157-12	SS64-0-1	Sample	
1005157-13	SS66-0-1	Sample	
1005157-14	SS65-0-1	Sample	
1005157-15	SS82-0-1	Sample	
1005157-16	SS82D-0-1	Sample	
1005157-17	SB82-2-3	Sample	
1005157-18	SB82D-2-3	Sample	

D. Dickens	6-1-10	Hg Stg.	6-1-10 1645
Relinquished By	Date	Received By	Date
Hg Stg	6/3/10 0840		6/3/10 0840
Relinquished By	Date	Received By	Date
	6/3/10 1200		6/3/10 1200
Relinquished By	Date	Received By	Date
		6-14-10	
Relinquished By	Date	Received By	Date

Metals Internal Chain of Custody Sheet

Batch: 0052623 **Status:** Batched **Analysis:** 6010B METALS TAL

Lab Id	Client Id	Received	Container	Extraction	Preservative	Matrix	Due Date	Cust Date
1005157-01 D	SS73-9-10	05/19/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005157-02 B	SS51-0-1	05/21/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005157-03 B	SS51D-0-1	05/21/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005157-04 B	SS90-0-1	05/21/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005157-05 B	SB90-2-3	05/21/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005157-06 B	SS70-0-1	05/21/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005157-07 B	SB70-1-2	05/21/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005157-08 B	SS69-0-1	05/21/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005157-09 B	SB69-2-3	05/21/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005157-10 B	SB64-1-2	05/21/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005157-11 B	SB65-1-2	05/21/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005157-12 B	SS64-0-1	05/21/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005157-13 B	SS66-0-1	05/21/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005157-14 B	SS65-0-1	05/21/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005157-15 B	SS82-0-1	05/21/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005157-16 B	SS82D-0-1	05/21/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005157-17 B	SB82-2-3	05/21/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	
1005157-18 B	SB82D-2-3	05/21/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	

Cooler 1	5.28.10 0925	Diane Dyrd	5.28.10 0925
Relinquished By	Date/Time	Received By	Date/Time
Diane Dyrd	5.28.10 0925	D. Dickens	5-28-10 0925
Relinquished By	Date/Time	Received By	Date/Time
D. Dickens	5-28-10 1150	Cooler 1	5-28-10 1150
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	6-14-10 Received By	Date/Time

CompuChem

A Division Of

Liberty Analytical Corp.

7/7/2010

REBEKHA SHAW

CH2M HILL, INC.

5700 CLEVELAND STREET, SUITE 101

VIRGINIA BEACH, VA 23462

Subject:

Report of Data - Project: CTO-094 MCB CAMP LEJEUNE/395307.S. WorkOrder: 1005157

Attn.: REBEKHA SHAW

Enclosed are the results of analytical work performed in accordance with the referenced account number. This report covers sample(s) appearing on the listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097

Sincerely,

Compuchem

a division of Liberty Analytical Corporation

Attachment

TOTAL NUMBER

OF PAGES _____

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

CompuChem, a division of Liberty Analytical

Client: CH2M HILL, INC. **Work:** 1005157

Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM **Sdg:** 1005157

Lab ID	Client ID	Matrix	Date Sampled	Date Received
1005157-01	SB73-9-10	Soil	05/17/2010 15:00	05/19/2010 09:05
1005157-02	SS51-0-1	Soil	05/19/2010 16:30	05/21/2010 16:05
1005157-03	SS51D-0-1	Soil	05/19/2010 16:35	05/21/2010 16:05
1005157-04	SS90-0-1	Soil	05/19/2010 14:55	05/21/2010 16:05
1005157-05	SB90-2-3	Soil	05/19/2010 15:00	05/21/2010 16:05
1005157-06	SS70-0-1	Soil	05/20/2010 12:00	05/21/2010 16:05
1005157-07	SB70-1-2	Soil	05/20/2010 12:10	05/21/2010 16:05
1005157-08	SS69-0-1	Soil	05/20/2010 16:10	05/21/2010 16:05
1005157-09	SB69-2-3	Soil	05/20/2010 16:20	05/21/2010 16:05
1005157-10	SB64-1-2	Soil	05/20/2010 18:20	05/21/2010 16:05
1005157-11	SB65-1-2	Soil	05/20/2010 17:45	05/21/2010 16:05
1005157-12	SS64-0-1	Soil	05/20/2010 18:15	05/21/2010 16:05
1005157-13	SS66-0-1	Soil	05/20/2010 17:20	05/21/2010 16:05
1005157-14	SS65-0-1	Soil	05/20/2010 17:40	05/21/2010 16:05
1005157-15	SS82-0-1	Soil	05/21/2010 08:25	05/21/2010 16:05
1005157-16	SS82D-0-1	Soil	05/21/2010 08:30	05/21/2010 16:05
1005157-17	SB82-2-3	Soil	05/21/2010 08:40	05/21/2010 16:05
1005157-18	SB82D-2-3	Soil	05/21/2010 08:45	05/21/2010 16:05

CompuChem, a Division of Liberty Analytical Corporation

I. SAMPLE DATA SUMMARY PACKAGE

GC by SW-846

The sample data summary package shall contain data for all samples in one Sample Delivery Group (SDG) of the Case, as follows:

A. SDG Narrative

B. Tabulated target compound results (Form I)

C. Surrogate spike analysis results (Form II)
By matrix (Water or Soil), and
by concentration (Low, or Medium)

D. Spike results MS / MSD / LCS (Form III)

E. Blank data (Form IV)
Tabulated blank results (Form I)

LAB CODE: LIBRTY

METHOD: 8081B

SDG #: 1005157

A. SDG Narrative

CompuChem

a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG # 1005157
PROTOCOL: SW-846

SAMPLE IDENTIFICATIONS: SB64-1-2, SB65-1-2, SB69-2-3, SB70-1-2, SB82-2-3, SB82D-2-3, SB90-2-3, SS51-0-1, SS51D-0-1, SS64-0-1, SS65-0-1, SS66-0-1, SS69-0-1, SS70-0-1, SS73-9-10, SS82-0-1, SS82D-0-1, SS90-0-1 B 7/7/10

The eighteen soil samples listed above were received intact, refrigerated between 0.3 and 4.3°C, with proper documentation, in sealed shipping containers, on May 19th and 21st, 2010. The samples were scheduled for the requested analysis of the Pesticide fraction only. SW-846, 3rd Edition, Update 4, Method 8081B was used to prepare and analyze the samples, with the exceptions and/or additions requested by the client. All pertinent Quality Assurance notices are included in the narrative section and all pertinent Laboratory notices for SDG # 1005157 are included in the sample data sections.

Pesticide

Extraction and analysis holding time requirements were met for the samples. The samples in this SDG were further cleaned through GPC cleanup process.

Target analytes confirmed above the reporting limits in samples SS51-0-1, SS51D-0-1, SS66-0-1, and SS90-0-1. Samples SB82D-2-3, SS51D-0-1, SS66-0-1, and SS90-0-1 were analyzed and reported at a dilution, as well as neat or a lesser dilution, due to target analytes exceeding the calibration range on at least one column. Manual integrations performed on the samples within this SDG are documented on a spreadsheet after the narrative.

All QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All surrogate recoveries were with the method specified limits, with exceptions of Tetrachloro-m-xylene on either column or both column in samples SS73-9-10MSD, SS69-0-1, SB69-2-3, SB64-1-2, SB65-1-2, SS66-0-1, SS65-0-1, SS82D-0-1, and SB82D-2-3.

The method blank associated with the samples met all quality control criteria.

Duplicate matrix spike samples were performed with sample SS73-9-10, and met recovery and precision criteria, with the exceptions of the recovery of 4,4'-DDE and Endrin aldehyde in the MSD and the precision of Dieldrin and Methoxychlor. The Laboratory Control Sample (LCS) prepared and analyzed with the samples met recovery criteria.

An uncertainty of these test results may be estimated from the recovery of the surrogates added to the sample prior to sample preparation or from the recovery of spiked compound(s) in the associated laboratory control sample. Further information is available upon request.

I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on CD has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Teresa Amentt Jennings

Teresa Amentt Jennings
GC/HPLC Data Reviewer
June 18, 2010

Manual Integrations									
SDG:	1005157								
Sample(s)	SS73-9-10MSD	SS73-9-10	SS51-0-1	SS90-0-1	SB70-1-2	SB69-2-3	SS64-0-1	SS65-0-1	SS82-0-1
Compound									
alpha-BHC									
gamma-BHC									
beta-BHC	X								X
delta-BHC									
Heptachlor		X						X	
Aldrin									
Heptachlor Epoxide			X			X			
gamma-Chlordane					X				
alpha-Chlordane									
Endosulfan I									
4,4'-DDE			X						
Dieldrin				X					
Endrin							X		
4,4'-DDD									
Endosulfan II									
4,4'-DDT									
Endrin Aldehyde									
Endosulfan sulfate							X		
Methoxychlor									
Endrin Ketone									
Toxaphene									
Technical Chordane									
Tetrachloro-m-xylene									
Decachlorbiphenyl									
"X" Denotes a manual integration for the compound									

SDG:	1005157								
Sample(s)	SS82D-0-1								
Compound									
alpha-BHC									
gamma-BHC									
beta-BHC									
delta-BHC									
Heptachlor									
Aldrin									
Heptachlor Epoxide									
gamma-Chlordane	X								
alpha-Chlordane									
Endosulfan I									
4,4'-DDE									
Dieldrin									
Endrin									
4,4'-DDD									
Endosulfan II									
4,4'-DDT									
Endrin Aldehyde									
Endosulfan sulfate									
Methoxychlor									
Endrin Ketone									
Toxaphene									
Technical Chordane									
Tetrachloro-m-xylene									
Decachlorbiphenyl									
"X" Denotes a manual integration for the compound									

GC and GC/MS Column and Trap Specifications Table

SDG #: 1005157

COLUMNS

Columns Utilized	Brand Name	Coating Material	ID (mm)	Film Thickness (um)	Length (m)
	GC Laboratory				
	Restek	RTX-5	0.53	1.0	30
	Restek	RTX-SMS	0.53	1.0	30
✓	Restek	clpest	0.32	0.5	30
✓	Restek	clpest2	0.32	0.42	30
	J&W	DB-210	0.53	1.0	30
	J&W	GS-GASPRO	0.32	N/A	30
	GC Volatiles Laboratory				
	Restek	RTX-Volatiles	0.53	2.0	30
	GC/MS Volatiles Laboratory				
	Restek	RTX-VMS	0.18	1.0	20
	Supelco	SPB-624	0.32	1.8	60
	Supelco	SPB-624	0.53	3.0	75
	Phenomonex	ZB-624	0.32	1.8	60
	GC/MS Semivolatiles Laboratory				
	Restek	RTX-5MS	0.32	0.25	30
	HPLC Laboratory				
	Supelco	Supelcosil LC-PAH	4.6	5.0	15 cm
	Supelco	Discovery RP Amide C16	4.6	5.0	25 cm
	Restek	Pinnacle Cyano	4.6	5.0	25 cm
	Restek	Allure C18	4.6	5.0	25 cm

TRAPS

GC and GC/MS Volatiles Laboratory		
Supelco J (BETXTRAP™)	* 7.7 cm Carbopack C	
	* 1.2 cm Carbopack B	
Supelco K (Vocarb3000)	* 10 cm of Carbopack B (Graphitized Carbons)	
	* 6 cm of Carboxen 1000 (Carbon molecular sieves)	
	* 1 cm of Carboxen 1001 (Carbon molecular sieves)	

Rev. 28

CompuChem

a division of Liberty Analytical Corporation

CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.).

Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC chemists. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC analysis. The manual editing/integration flags are:

M - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak.

H - Denotes that the data reviewer, GC/MS operator, or GC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

MH - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.

L - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

The EPA CLP SOW documents require additional explanations for manual editing/integration. In the accompanying raw data packages, additional codes have been applied to the "M" flag and carry the following meanings;

M1 - The compound was not found by the automatic integration routine.

M2 - The compound was incorrectly integrated by the automatic integration routine.

M3 - The co-eluting compounds were incorrectly integrated by the automatic integration routine.

These codes will appear in the GC/MS and GC raw data.

Revision 7 (12/6/2005)

CompuChem

a division of Liberty Analytical Corporation

DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each compound. The qualifiers used are:

U : This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J : This flag indicates an estimated value. The flag is used as detailed below:

1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1:1 is assumed for the TIC analyte,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide and/or Aroclor or other GC or HPLC identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.

N : This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search and must be used with the J flag. For generic characterization of a TIC such as "chlorinated hydrocarbon" (or for an "unknown," with no matches ≥ 85% in the SOM01.2 SOW document), the N flag is not used.

P : In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the Form I and flagged with a P.
For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the lower of the two values is reported and flagged with a P. When the RPD is equal to or less than 40%, our policy is to also report the lower of the two values, although the choice could be a project specific issue. These SW-846 policies are consistent with Method 8000C. If Method 8000B is required, the higher of the two values is reported. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

DATA REPORTING QUALIFIERS (continued)

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis. If one or more compounds have a concentration greater than the upper level of the calibration range, the sample or extract will be diluted and reanalyzed. All such compounds with a concentration greater than the upper level of the calibration range will have the result flagged with an E on Form I for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration of an analyte exceeds the upper calibration range, the DL suffix is appended to the sample number on the Form I for the more diluted sample, and **all** reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.

NOTE 1: The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.

NOTE 2: Separate Forms I are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses are not combined on a single Form I.

A: This flag indicates that a TIC is a suspected aldol-condensation product.

S: In the SOM01.2 SOW document, this flag is used to indicate an estimated value for Aroclor target compounds where a valid 5-point initial calibration was not performed prior to the analytes detection in a sample. If an "S" flag is used for a specific Aroclor, then a reanalysis of the sample is required after a valid 5-point calibration is performed for the detected Aroclor.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y, and Z.

B. Form I

Organic Analysis Data Sheet (OADS)
- All samples in alphanumeric order
- Matrix Spike/Matrix Spike Duplicate
- Laboratory Control Sample(s)

1D

EPA SAMPLE NO.

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

PCTLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 0052601-BS1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	4.3	
319-85-7	beta-BHC	4.3	
319-84-6	alpha-BHC	4.8	B
319-86-8	delta-BHC	5.4	
58-89-9	gamma-BHC (Lindane)	4.5	
72-54-8	4,4'-DDD	12	
72-55-9	4,4'-DDE	12	
50-29-3	4,4'-DDT	11	
60-57-1	Dieldrin	13	
959-98-8	Endosulfan I	4.6	
33213-65-9	Endosulfan II	12	
1031-07-8	Endosulfan sulfate	12	
72-20-8	Endrin	12	
7421-93-4	Endrin Aldehyde	5.3	
76-44-8	Heptachlor	5.3	
1024-57-3	Heptachlor Epoxide	5.2	
72-43-5	Methoxychlor	13	J
8001-35-2	Toxaphene	83	U
53494-70-5	Endrin Ketone	13	
5103-74-2	gamma-Chlordane	4.8	
5103-71-9	alpha-Chlordane	5.6	

FORM I PEST

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB64-1-2

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 13 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	2.0	U
319-84-6	alpha-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
72-54-8	4,4'-DDD	3.8	U
72-55-9	4,4'-DDE	3.8	U
50-29-3	4,4'-DDT	3.8	U
60-57-1	Dieldrin	3.8	U
959-98-8	Endosulfan I	2.0	U
33213-65-9	Endosulfan II	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
72-20-8	Endrin	3.8	U
7421-93-4	Endrin Aldehyde	3.8	U
76-44-8	Heptachlor	2.0	U
1024-57-3	Heptachlor Epoxide	2.0	U
72-43-5	Methoxychlor	20	U
8001-35-2	Toxaphene	95	U
53494-70-5	Endrin Ketone	3.8	U
5103-74-2	gamma-Chlordane	2.0	U
5103-71-9	alpha-Chlordane	2.0	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB65-1-2

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 20 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.1	U
319-85-7	beta-BHC	1.2	JP
319-84-6	alpha-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
72-54-8	4,4'-DDD	4.1	U
72-55-9	4,4'-DDE	4.1	U
50-29-3	4,4'-DDT	4.1	U
60-57-1	Dieldrin	4.1	U
959-98-8	Endosulfan I	2.1	U
33213-65-9	Endosulfan II	4.1	U
1031-07-8	Endosulfan sulfate	4.1	U
72-20-8	Endrin	4.1	U
7421-93-4	Endrin Aldehyde	0.62	JP
76-44-8	Heptachlor	2.1	U
1024-57-3	Heptachlor Epoxide	2.1	U
72-43-5	Methoxychlor	21	U
8001-35-2	Toxaphene	100	U
53494-70-5	Endrin Ketone	4.1	U
5103-74-2	gamma-Chlordane	2.1	U
5103-71-9	alpha-Chlordane	2.1	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB69-2-3

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 18 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.1	U
319-85-7	beta-BHC	2.1	U
319-84-6	alpha-BHC	2.1	U
319-86-8	delta-BHC	0.20	J
58-89-9	gamma-BHC (Lindane)	0.35	JP
72-54-8	4,4'-DDD	4.0	U
72-55-9	4,4'-DDE	4.0	U
50-29-3	4,4'-DDT	4.0	U
60-57-1	Dieldrin	4.0	U
959-98-8	Endosulfan I	2.1	U
33213-65-9	Endosulfan II	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
72-20-8	Endrin	4.0	U
7421-93-4	Endrin Aldehyde	4.0	U
76-44-8	Heptachlor	0.50	JP
1024-57-3	Heptachlor Epoxide	0.26	J
72-43-5	Methoxychlor	21	U
8001-35-2	Toxaphene	100	U
53494-70-5	Endrin Ketone	0.79	JP
5103-74-2	gamma-Chlordane	2.1	U
5103-71-9	alpha-Chlordane	2.1	U

FORM I PEST

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB70-1-2

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 11 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.9	U
319-85-7	beta-BHC	0.89	J
319-84-6	alpha-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
72-54-8	4,4'-DDD	3.7	U
72-55-9	4,4'-DDE	3.7	U
50-29-3	4,4'-DDT	3.7	U
60-57-1	Dieldrin	3.7	U
959-98-8	Endosulfan I	1.9	U
33213-65-9	Endosulfan II	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
72-20-8	Endrin	3.7	U
7421-93-4	Endrin Aldehyde	3.7	U
76-44-8	Heptachlor	1.9	U
1024-57-3	Heptachlor Epoxide	1.9	U
72-43-5	Methoxychlor	19	U
8001-35-2	Toxaphene	93	U
53494-70-5	Endrin Ketone	0.41	J
5103-74-2	gamma-Chlordane	1.9	U
5103-71-9	alpha-Chlordane	1.9	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB82-2-3

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-17

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	2.0	U
319-84-6	alpha-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
72-54-8	4,4'-DDD	3.8	U
72-55-9	4,4'-DDE	3.8	U
50-29-3	4,4'-DDT	3.8	U
60-57-1	Dieldrin	3.8	U
959-98-8	Endosulfan I	2.0	U
33213-65-9	Endosulfan II	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
72-20-8	Endrin	3.8	U
7421-93-4	Endrin Aldehyde	3.8	U
76-44-8	Heptachlor	0.34	JP
1024-57-3	Heptachlor Epoxide	2.0	U
72-43-5	Methoxychlor	20	U
8001-35-2	Toxaphene	97	U
53494-70-5	Endrin Ketone	3.8	U
5103-74-2	gamma-Chlordane	2.0	U
5103-71-9	alpha-Chlordane	2.0	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB82D-2-3

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-18

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	0.44	JP
319-84-6	alpha-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
72-54-8	4,4'-DDD	3.8	U
72-55-9	4,4'-DDE	3.8	U
50-29-3	4,4'-DDT	0.81	JP
60-57-1	Dieldrin	3.8	U
959-98-8	Endosulfan I	2.0	U
33213-65-9	Endosulfan II	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
72-20-8	Endrin	3.8	U
7421-93-4	Endrin Aldehyde	3.8	U
76-44-8	Heptachlor	0.36	J
1024-57-3	Heptachlor Epoxide	2.0	U
72-43-5	Methoxychlor	20	U
8001-35-2	Toxaphene	97	U
53494-70-5	Endrin Ketone	3.8	U
5103-74-2	gamma-Chlordane	2.0	U
5103-71-9	alpha-Chlordane	2.0	U

FORM I PEST

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB82D-2-3DL

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-18RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	9.9	U
319-85-7	beta-BHC	9.9	U
319-84-6	alpha-BHC	9.9	U
319-86-8	delta-BHC	9.9	U
58-89-9	gamma-BHC (Lindane)	9.9	U
72-54-8	4,4'-DDD	19	U
72-55-9	4,4'-DDE	19	U
50-29-3	4,4'-DDT	19	U
60-57-1	Dieldrin	19	U
959-98-8	Endosulfan I	9.9	U
33213-65-9	Endosulfan II	19	U
1031-07-8	Endosulfan sulfate	19	U
72-20-8	Endrin	19	U
7421-93-4	Endrin Aldehyde	19	U
76-44-8	Heptachlor	9.9	U
1024-57-3	Heptachlor Epoxide	9.9	U
72-43-5	Methoxychlor	99	U
8001-35-2	Toxaphene	480	U
53494-70-5	Endrin Ketone	19	U
5103-74-2	gamma-Chlordane	9.9	U
5103-71-9	alpha-Chlordane	9.9	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB90-2-3

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	2.0	U
319-84-6	alpha-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
72-54-8	4,4'-DDD	3.9	U
72-55-9	4,4'-DDE	3.9	U
50-29-3	4,4'-DDT	3.9	U
60-57-1	Dieldrin	3.9	U
959-98-8	Endosulfan I	2.0	U
33213-65-9	Endosulfan II	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
72-20-8	Endrin	3.9	U
7421-93-4	Endrin Aldehyde	3.9	U
76-44-8	Heptachlor	0.27	JP
1024-57-3	Heptachlor Epoxide	2.0	U
72-43-5	Methoxychlor	20	U
8001-35-2	Toxaphene	99	U
53494-70-5	Endrin Ketone	3.9	U
5103-74-2	gamma-Chlordane	2.0	U
5103-71-9	alpha-Chlordane	2.0	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS51-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 28 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	0.31	JP
319-85-7	beta-BHC	1.3	JP
319-84-6	alpha-BHC	2.4	U
319-86-8	delta-BHC	2.4	U
58-89-9	gamma-BHC (Lindane)	2.4	U
72-54-8	4,4'-DDD	8.7	
72-55-9	4,4'-DDE	28	
50-29-3	4,4'-DDT	7.8	
60-57-1	Dieldrin	4.6	U
959-98-8	Endosulfan I	1.3	J
33213-65-9	Endosulfan II	0.93	J
1031-07-8	Endosulfan sulfate	0.79	JP
72-20-8	Endrin	0.72	JP
7421-93-4	Endrin Aldehyde	1.0	J
76-44-8	Heptachlor	2.4	U
1024-57-3	Heptachlor Epoxide	1.6	JP
72-43-5	Methoxychlor	24	U
8001-35-2	Toxaphene	120	U
53494-70-5	Endrin Ketone	2.2	J
5103-74-2	gamma-Chlordane	2.4	U
5103-71-9	alpha-Chlordane	2.4	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS51D-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 23 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.5	J
319-85-7	beta-BHC	0.63	JP
319-84-6	alpha-BHC	0.35	BJP
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
72-54-8	4,4'-DDD	34	
72-55-9	4,4'-DDE	57	E
50-29-3	4,4'-DDT	7.5	
60-57-1	Dieldrin	3.1	J
959-98-8	Endosulfan I	2.2	U
33213-65-9	Endosulfan II	4.3	U
1031-07-8	Endosulfan sulfate	4.3	U
72-20-8	Endrin	4.3	U
7421-93-4	Endrin Aldehyde	0.79	JP
76-44-8	Heptachlor	1.0	JP
1024-57-3	Heptachlor Epoxide	1.2	JP
72-43-5	Methoxychlor	22	U
8001-35-2	Toxaphene	110	U
53494-70-5	Endrin Ketone	4.3	U
5103-74-2	gamma-Chlordane	0.36	JP
5103-71-9	alpha-Chlordane	0.29	JP

FORM I PEST

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS51D-0-1DL

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-03RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 23 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	11	U
319-85-7	beta-BHC	11	U
319-84-6	alpha-BHC	11	U
319-86-8	delta-BHC	11	U
58-89-9	gamma-BHC (Lindane)	11	U
72-54-8	4,4'-DDD	37	D
72-55-9	4,4'-DDE	58	D
50-29-3	4,4'-DDT	9.6	DJ
60-57-1	Dieldrin	3.7	DJ
959-98-8	Endosulfan I	11	U
33213-65-9	Endosulfan II	21	U
1031-07-8	Endosulfan sulfate	21	U
72-20-8	Endrin	21	U
7421-93-4	Endrin Aldehyde	21	U
76-44-8	Heptachlor	11	U
1024-57-3	Heptachlor Epoxide	11	U
72-43-5	Methoxychlor	110	U
8001-35-2	Toxaphene	540	U
53494-70-5	Endrin Ketone	21	U
5103-74-2	gamma-Chlordane	11	U
5103-71-9	alpha-Chlordane	11	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS64-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-12

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 9 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.9	U
319-85-7	beta-BHC	1.9	U
319-84-6	alpha-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
72-54-8	4,4'-DDD	3.6	U
72-55-9	4,4'-DDE	3.6	U
50-29-3	4,4'-DDT	3.6	U
60-57-1	Dieldrin	3.6	U
959-98-8	Endosulfan I	1.9	U
33213-65-9	Endosulfan II	3.6	U
1031-07-8	Endosulfan sulfate	0.47	J
72-20-8	Endrin	1.8	JP
7421-93-4	Endrin Aldehyde	3.6	U
76-44-8	Heptachlor	1.9	U
1024-57-3	Heptachlor Epoxide	1.9	U
72-43-5	Methoxychlor	19	U
8001-35-2	Toxaphene	91	U
53494-70-5	Endrin Ketone	0.44	JP
5103-74-2	gamma-Chlordane	1.9	U
5103-71-9	alpha-Chlordane	1.9	U

FORM I PEST

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS65-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-14

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	0.80	JP
319-84-6	alpha-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
72-54-8	4,4'-DDD	3.8	U
72-55-9	4,4'-DDE	3.8	U
50-29-3	4,4'-DDT	3.8	U
60-57-1	Dieldrin	3.8	U
959-98-8	Endosulfan I	2.0	U
33213-65-9	Endosulfan II	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
72-20-8	Endrin	3.8	U
7421-93-4	Endrin Aldehyde	1.1	JP
76-44-8	Heptachlor	0.45	J
1024-57-3	Heptachlor Epoxide	2.0	U
72-43-5	Methoxychlor	20	U
8001-35-2	Toxaphene	97	U
53494-70-5	Endrin Ketone	3.8	U
5103-74-2	gamma-Chlordane	2.0	U
5103-71-9	alpha-Chlordane	0.20	JP

1D

EPA SAMPLE NO.

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

SS66-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-13

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 50 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	3.4	U
319-85-7	beta-BHC	12	P
319-84-6	alpha-BHC	3.4	U
319-86-8	delta-BHC	0.34	JP
58-89-9	gamma-BHC (Lindane)	3.4	U
72-54-8	4,4'-DDD	6.6	U
72-55-9	4,4'-DDE	6.6	U
50-29-3	4,4'-DDT	6.6	U
60-57-1	Dieldrin	6.6	U
959-98-8	Endosulfan I	3.4	U
33213-65-9	Endosulfan II	6.6	U
1031-07-8	Endosulfan sulfate	6.6	U
72-20-8	Endrin	6.6	U
7421-93-4	Endrin Aldehyde	6.6	U
76-44-8	Heptachlor	1.3	JP
1024-57-3	Heptachlor Epoxide	3.4	U
72-43-5	Methoxychlor	34	U
8001-35-2	Toxaphene	170	U
53494-70-5	Endrin Ketone	6.6	U
5103-74-2	gamma-Chlordane	3.4	U
5103-71-9	alpha-Chlordane	3.4	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS66-0-1DL

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-13RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 50 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	17	U
319-85-7	beta-BHC	12	DJP
319-84-6	alpha-BHC	17	U
319-86-8	delta-BHC	17	U
58-89-9	gamma-BHC (Lindane)	17	U
72-54-8	4,4'-DDD	33	U
72-55-9	4,4'-DDE	33	U
50-29-3	4,4'-DDT	33	U
60-57-1	Dieldrin	33	U
959-98-8	Endosulfan I	17	U
33213-65-9	Endosulfan II	33	U
1031-07-8	Endosulfan sulfate	33	U
72-20-8	Endrin	33	U
7421-93-4	Endrin Aldehyde	33	U
76-44-8	Heptachlor	17	U
1024-57-3	Heptachlor Epoxide	17	U
72-43-5	Methoxychlor	170	U
8001-35-2	Toxaphene	830	U
53494-70-5	Endrin Ketone	33	U
5103-74-2	gamma-Chlordane	17	U
5103-71-9	alpha-Chlordane	17	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS69-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	0.24	JP
319-85-7	beta-BHC	2.0	U
319-84-6	alpha-BHC	0.67	BJP
319-86-8	delta-BHC	0.33	JP
58-89-9	gamma-BHC (Lindane)	0.58	J
72-54-8	4,4'-DDD	3.8	U
72-55-9	4,4'-DDE	3.8	U
50-29-3	4,4'-DDT	3.8	U
60-57-1	Dieldrin	3.8	U
959-98-8	Endosulfan I	2.0	U
33213-65-9	Endosulfan II	3.8	U
1031-07-8	Endosulfan sulfate	1.8	JP
72-20-8	Endrin	3.8	U
7421-93-4	Endrin Aldehyde	0.53	JP
76-44-8	Heptachlor	2.0	U
1024-57-3	Heptachlor Epoxide	0.25	JP
72-43-5	Methoxychlor	20	U
8001-35-2	Toxaphene	97	U
53494-70-5	Endrin Ketone	3.8	U
5103-74-2	gamma-Chlordane	0.49	JP
5103-71-9	alpha-Chlordane	2.0	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS70-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 2 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.7	U
319-85-7	beta-BHC	1.1	J
319-84-6	alpha-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
72-54-8	4,4'-DDD	3.4	U
72-55-9	4,4'-DDE	3.4	U
50-29-3	4,4'-DDT	3.4	U
60-57-1	Dieldrin	3.4	U
959-98-8	Endosulfan I	1.7	U
33213-65-9	Endosulfan II	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
72-20-8	Endrin	3.4	U
7421-93-4	Endrin Aldehyde	3.4	U
76-44-8	Heptachlor	0.25	J
1024-57-3	Heptachlor Epoxide	1.7	U
72-43-5	Methoxychlor	17	U
8001-35-2	Toxaphene	85	U
53494-70-5	Endrin Ketone	3.4	U
5103-74-2	gamma-Chlordane	1.7	U
5103-71-9	alpha-Chlordane	1.7	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB73-9-10

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 20 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.1	U
319-85-7	beta-BHC	2.1	U
319-84-6	alpha-BHC	2.1	U
319-86-8	delta-BHC	0.25	J
58-89-9	gamma-BHC (Lindane)	2.1	U
72-54-8	4,4'-DDD	4.1	U
72-55-9	4,4'-DDE	4.1	U
50-29-3	4,4'-DDT	4.1	U
60-57-1	Dieldrin	4.1	U
959-98-8	Endosulfan I	2.1	U
33213-65-9	Endosulfan II	4.1	U
1031-07-8	Endosulfan sulfate	4.1	U
72-20-8	Endrin	4.1	U
7421-93-4	Endrin Aldehyde	4.1	U
76-44-8	Heptachlor	0.22	JP
1024-57-3	Heptachlor Epoxide	2.1	U
72-43-5	Methoxychlor	21	U
8001-35-2	Toxaphene	100	U
53494-70-5	Endrin Ketone	4.1	U
5103-74-2	gamma-Chlordane	2.1	U
5103-71-9	alpha-Chlordane	2.1	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB73-9-10MS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 0052601-MS1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 20 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	5.2	
319-85-7	beta-BHC	6.1	
319-84-6	alpha-BHC	6.3	B
319-86-8	delta-BHC	7.2	
58-89-9	gamma-BHC (Lindane)	5.7	
72-54-8	4,4'-DDD	17	
72-55-9	4,4'-DDE	16	
50-29-3	4,4'-DDT	15	
60-57-1	Dieldrin	17	
959-98-8	Endosulfan I	5.9	
33213-65-9	Endosulfan II	16	
1031-07-8	Endosulfan sulfate	16	
72-20-8	Endrin	16	
7421-93-4	Endrin Aldehyde	5.6	
76-44-8	Heptachlor	7.1	
1024-57-3	Heptachlor Epoxide	6.7	
72-43-5	Methoxychlor	17	J
8001-35-2	Toxaphene	100	U
53494-70-5	Endrin Ketone	18	
5103-74-2	gamma-Chlordane	6.1	
5103-71-9	alpha-Chlordane	7.3	

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB73-9-10MSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 0052601-MSD1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 20 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	3.9	
319-85-7	beta-BHC	4.7	
319-84-6	alpha-BHC	4.5	B
319-86-8	delta-BHC	5.2	
58-89-9	gamma-BHC (Lindane)	4.2	
72-54-8	4,4'-DDD	12	
72-55-9	4,4'-DDE	11	
50-29-3	4,4'-DDT	11	
60-57-1	Dieldrin	11	
959-98-8	Endosulfan I	4.2	
33213-65-9	Endosulfan II	12	
1031-07-8	Endosulfan sulfate	11	
72-20-8	Endrin	11	
7421-93-4	Endrin Aldehyde	4.2	
76-44-8	Heptachlor	5.2	
1024-57-3	Heptachlor Epoxide	5.0	
72-43-5	Methoxychlor	11	J
8001-35-2	Toxaphene	100	U
53494-70-5	Endrin Ketone	13	
5103-74-2	gamma-Chlordane	4.3	
5103-71-9	alpha-Chlordane	5.2	

FORM I PEST

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS82-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-15

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 3 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.8	U
319-85-7	beta-BHC	1.5	JP
319-84-6	alpha-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	0.32	J
72-54-8	4,4'-DDD	3.4	U
72-55-9	4,4'-DDE	0.76	J
50-29-3	4,4'-DDT	0.67	JP
60-57-1	Dieldrin	3.4	U
959-98-8	Endosulfan I	1.8	U
33213-65-9	Endosulfan II	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
72-20-8	Endrin	3.4	U
7421-93-4	Endrin Aldehyde	3.4	U
76-44-8	Heptachlor	1.8	U
1024-57-3	Heptachlor Epoxide	1.8	U
72-43-5	Methoxychlor	18	U
8001-35-2	Toxaphene	86	U
53494-70-5	Endrin Ketone	3.4	U
5103-74-2	gamma-Chlordane	1.8	U
5103-71-9	alpha-Chlordane	1.8	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS82D-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-16

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 3 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.8	U
319-85-7	beta-BHC	0.62	JP
319-84-6	alpha-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
72-54-8	4,4'-DDD	3.4	U
72-55-9	4,4'-DDE	0.74	J
50-29-3	4,4'-DDT	0.89	J
60-57-1	Dieldrin	3.4	U
959-98-8	Endosulfan I	1.8	U
33213-65-9	Endosulfan II	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
72-20-8	Endrin	3.4	U
7421-93-4	Endrin Aldehyde	0.47	JP
76-44-8	Heptachlor	1.8	U
1024-57-3	Heptachlor Epoxide	1.8	U
72-43-5	Methoxychlor	18	U
8001-35-2	Toxaphene	86	U
53494-70-5	Endrin Ketone	3.4	U
5103-74-2	gamma-Chlordane	0.31	JP
5103-71-9	alpha-Chlordane	1.8	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS90-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 5 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.8	U
319-85-7	beta-BHC	1.8	U
319-84-6	alpha-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
72-54-8	4,4'-DDD	3.5	U
72-55-9	4,4'-DDE	3.5	U
50-29-3	4,4'-DDT	3.5	U
60-57-1	Dieldrin	0.40	JP
959-98-8	Endosulfan I	1.8	U
33213-65-9	Endosulfan II	20	
1031-07-8	Endosulfan sulfate	0.61	JP
72-20-8	Endrin	1.1	JP
7421-93-4	Endrin Aldehyde	3.5	U
76-44-8	Heptachlor	1.8	U
1024-57-3	Heptachlor Epoxide	1.8	U
72-43-5	Methoxychlor	18	U
8001-35-2	Toxaphene	87	U
53494-70-5	Endrin Ketone	3.5	U
5103-74-2	gamma-Chlordane	1.9	P
5103-71-9	alpha-Chlordane	1.8	U

FORM I PEST

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS90-0-1DL

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-04RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 5 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	8.9	U
319-85-7	beta-BHC	8.9	U
319-84-6	alpha-BHC	8.9	U
319-86-8	delta-BHC	8.9	U
58-89-9	gamma-BHC (Lindane)	8.9	U
72-54-8	4,4'-DDD	17	U
72-55-9	4,4'-DDE	17	U
50-29-3	4,4'-DDT	17	U
60-57-1	Dieldrin	17	U
959-98-8	Endosulfan I	8.9	U
33213-65-9	Endosulfan II	21	D
1031-07-8	Endosulfan sulfate	17	U
72-20-8	Endrin	17	U
7421-93-4	Endrin Aldehyde	17	U
76-44-8	Heptachlor	8.9	U
1024-57-3	Heptachlor Epoxide	8.9	U
72-43-5	Methoxychlor	89	U
8001-35-2	Toxaphene	440	U
53494-70-5	Endrin Ketone	17	U
5103-74-2	gamma-Chlordane	1.3	DJP
5103-71-9	alpha-Chlordane	8.9	U

FORM I PEST

C. Form II

Surrogate spike analysis

- By level (low, medium) -

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

GC Column(1): CLPEST ID: 0.32 (mm) GC Column(2): CLPEST2 ID: 0.32 (mm)

	EPA SAMPLE NO.	S1 1 %REC #	S1 2 %REC #	TCX 1 %REC #	TCX 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLKCT	93	94	87	88			0
02	SB73-9-10MS	95	95	94	86			0
03	SB73-9-10MSD	70	70	71	61*			1
04	SB73-9-10	88	90	78	74			0
05	SS51-0-1	110	125	85	84			0
06	SS51D-0-1	92	98	100	76			0
07	SS90-0-1	92	91	78	79			0
08	SB90-2-3	89	88	83	73			0
09	SS70-0-1	99	98	88	100			0
10	SB70-1-2	97	93	97	102			0
11	SS69-0-1	97	96	90	143*			1
12	SB69-2-3	90	85	200 *	63*			2
13	SB64-1-2	86	86	130 *	77			1
14	SB65-1-2	87	88	200 *	90			1
15	SS64-0-1	99	92	120	80			0
16	SS66-0-1	83	86	210 *	75			1
17	SS65-0-1	91	93	150 *	89			1
18	SS82-0-1	94	90	110	82			0
19	SS82D-0-1	84	84	130 *	72			1
20	SB82-2-3	82	86	94	76			0
21	SB82D-2-3	80	82	84	58*			1
22	PCTLCS	84	85	82	89			0
23	SS51D-0-1DL	100	99	98	79			0
24	SS90-0-1DL	95	89	77	72			0
25	SS66-0-1DL	89	89	240 D	79			0
26	SB82D-2-3DL	91	89	64 D	60D			0
27								
28								
29								
30								

ADVISORY QC LIMITS

S1 = Decachlorobiphenyl (55-130)
S2 (TCX) = Tetrachloro-m-Xylene (70-125)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

D. Form III

Matrix Spike/Matrix Spike Duplicate results
- By level (low, medium) -
Laboratory Control Sample(s)

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix Spike - EPA Sample No.: SB73-9-10

COMPOUND	SPIKE ADDED (ug/Kg	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Aldrin	6.3	0.0	5.2	82	45-140
beta-BHC	6.3	0.0	6.1	97	60-125
alpha-BHC	6.3	0.0	6.3	100	60-125
delta-BHC	6.3	0.25	7.2	110	55-130
gamma-BHC (Lindane)	6.3	0.0	5.7	90	60-125
4,4'-DDD	16	0.0	17	106	30-135
4,4'-DDE	16	0.0	16	100	70-125
4,4'-DDT	16	0.0	15	94	45-140
Dieldrin	16	0.0	17	106	65-125
Endosulfan I	6.3	0.0	5.9	94	15-135
Endosulfan II	16	0.0	16	100	35-140
Endosulfan sulfate	16	0.0	16	100	60-135
Endrin	16	0.0	16	100	60-135
Endrin Aldehyde	16	0.0	5.6	35	35-145
Heptachlor	6.3	0.22	7.1	109	50-140
Heptachlor Epoxide	6.3	0.0	6.7	106	65-130
Methoxychlor	16	0.0	17	106	55-145
Endrin Ketone	16	0.0	18	112	65-135
gamma-Chlordane	6.3	0.0	6.1	97	65-125
alpha-Chlordane	6.3	0.0	7.3	116	65-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix Spike - EPA Sample No.: SB73-9-10

COMPOUND	SPIKE ADDED (ug/Kg	MSD CONCENTRATION (ug/Kg	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aldrin	6.3	3.9	62	28	40	45-140
beta-BHC	6.3	4.7	75	26	40	60-125
alpha-BHC	6.3	4.5	71	33	40	60-125
delta-BHC	6.3	5.2	78	32	40	55-130
gamma-BHC (Lindane)	6.3	4.2	67	30	40	60-125
4,4'-DDD	16	12	75	34	40	30-135
4,4'-DDE	16	11	69*	37	40	70-125
4,4'-DDT	16	11	69	31	40	45-140
Dieldrin	16	11	69	43*	40	65-125
Endosulfan I	6.3	4.2	67	34	40	15-135
Endosulfan II	16	12	75	28	40	35-140
Endosulfan sulfate	16	11	69	37	40	60-135
Endrin	16	11	69	37	40	60-135
Endrin Aldehyde	16	4.2	26*	28	40	35-145
Heptachlor	6.3	5.2	79	31	40	50-140
Heptachlor Epoxide	6.3	5.0	79	29	40	65-130
Methoxychlor	16	11	69	43*	40	55-145
Endrin Ketone	16	13	81	32	40	65-135
gamma-Chlordane	6.3	4.3	68	35	40	65-125
alpha-Chlordane	6.3	5.2	82	34	40	65-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 2 out of 20 outside limits
Spike Recovery: 2 out of 40 outside limits

COMMENTS: _____

3F
SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

LCS ID: PCTLCS

COMPOUND	SPIKE ADDED (ug/Kg	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Aldrin	5.0	4.3	86	45-140
beta-BHC	5.0	4.3	86	60-125
alpha-BHC	5.0	4.8	96	60-125
delta-BHC	5.0	5.4	110	55-130
gamma-BHC (Lindane)	5.0	4.5	90	60-125
4,4'-DDD	13	12	92	30-135
4,4'-DDE	13	12	92	70-125
4,4'-DDT	13	11	85	45-140
Dieldrin	13	13	100	65-125
Endosulfan I	5.0	4.6	92	15-135
Endosulfan II	13	12	92	35-140
Endosulfan sulfate	13	12	92	60-135
Endrin	13	12	92	60-135
Endrin Aldehyde	13	5.3	41	35-145
Heptachlor	5.0	5.3	110	50-140
Heptachlor Epoxide	5.0	5.2	100	65-130
Methoxychlor	13	13	100	55-145
Endrin Ketone	13	13	100	65-135
gamma-Chlordane	5.0	4.8	96	65-125
alpha-Chlordane	5.0	5.6	110	65-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS: _____

E. Form IV

Method Blank Results
Form IV, Form I

Method blank summary, OADS,
- In chronological order of analysis

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLKCT

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab Sample ID: 0052601-BLK1 Lab File ID: 339J0052601-BLK1

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SONC

Sulfur Cleanup (Y/N) N Date Extracted: 05/26/10

Date Analyzed (1): 06/08/10 Date Analyzed (2): 06/08/10

Time Analyzed (1): 1502 Time Analyzed (2): 1502

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column (1): CLPEST ID: 0.32(mm) GC Column (2): CLPEST2 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	SB73-9-10MS	0052601-MS1	06/08/10	06/08/10
02	SB73-9-10MSD	0052601-MSD1	06/08/10	06/08/10
03	SB73-9-10	1005157-01	06/08/10	06/08/10
04	SS51-0-1	1005157-02	06/08/10	06/08/10
05	SS51D-0-1	1005157-03	06/08/10	06/08/10
06	SS90-0-1	1005157-04	06/08/10	06/08/10
07	SB90-2-3	1005157-05	06/08/10	06/08/10
08	SS70-0-1	1005157-06	06/08/10	06/08/10
09	SB70-1-2	1005157-07	06/08/10	06/08/10
10	SS69-0-1	1005157-08	06/08/10	06/08/10
11	SB69-2-3	1005157-09	06/08/10	06/08/10
12	SB64-1-2	1005157-10	06/08/10	06/08/10
13	SB65-1-2	1005157-11	06/08/10	06/08/10
14	SS64-0-1	1005157-12	06/09/10	06/09/10
15	SS66-0-1	1005157-13	06/09/10	06/09/10
16	SS65-0-1	1005157-14	06/09/10	06/09/10
17	SS82-0-1	1005157-15	06/09/10	06/09/10
18	SS82D-0-1	1005157-16	06/09/10	06/09/10
19	SB82-2-3	1005157-17	06/09/10	06/09/10
20	SB82D-2-3	1005157-18	06/09/10	06/09/10
21	PCTLCS	0052601-BS1	06/11/10	06/11/10
22	SS51D-0-1DL	1005157-03RE1	06/11/10	06/11/10
23	SS90-0-1DL	1005157-04RE1	06/11/10	06/11/10
24	SS66-0-1DL	1005157-13RE1	06/11/10	06/11/10
25	SB82D-2-3DL	1005157-18RE1	06/11/10	06/11/10
26				

COMMENTS: _____

1D

EPA SAMPLE NO.

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

PBLKCT

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 0052601-BLK1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.7	U
319-85-7	beta-BHC	1.7	U
319-84-6	alpha-BHC	0.22	JP
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
72-54-8	4,4'-DDD	3.3	U
72-55-9	4,4'-DDE	3.3	U
50-29-3	4,4'-DDT	3.3	U
60-57-1	Dieldrin	3.3	U
959-98-8	Endosulfan I	1.7	U
33213-65-9	Endosulfan II	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
72-20-8	Endrin	3.3	U
7421-93-4	Endrin Aldehyde	3.3	U
76-44-8	Heptachlor	1.7	U
1024-57-3	Heptachlor Epoxide	1.7	U
72-43-5	Methoxychlor	17	U
8001-35-2	Toxaphene	83	U
53494-70-5	Endrin Ketone	3.3	U
5103-74-2	gamma-Chlordane	1.7	U
5103-71-9	alpha-Chlordane	1.7	U

CompuChem, a Division of Liberty Analytical Corporation

I. SAMPLE DATA PACKAGE

GC by SW-846

The sample data package shall include data for all analyses of all samples in one Sample Delivery Group (SDG), including field samples, dilutions, reanalysis, blanks, matrix spikes, matrix spike duplicates, and laboratory control samples. The sample data package consists of the following:

A. SDG Narrative

B. Chain-of-Custody Documentation

C. SDG Data

LAB CODE: LIBRTY

METHOD: 8081B

SDG #: 1005157

A. SDG Narrative

CompuChem

a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG # 1005157
PROTOCOL: SW-846

SAMPLE IDENTIFICATIONS: SB64-1-2, SB65-1-2, SB69-2-3, SB70-1-2, SB82-2-3, SB82D-2-3, SB90-2-3, SS51-0-1, SS51D-0-1, SS64-0-1, SS65-0-1, SS66-0-1, SS69-0-1, SS70-0-1, SS73-9-10, SS82-0-1, SS82D-0-1, SS90-0-1 B 7/7/10

The eighteen soil samples listed above were received intact, refrigerated between 0.3 and 4.3°C, with proper documentation, in sealed shipping containers, on May 19th and 21st, 2010. The samples were scheduled for the requested analysis of the Pesticide fraction only. SW-846, 3rd Edition, Update 4, Method 8081B was used to prepare and analyze the samples, with the exceptions and/or additions requested by the client. All pertinent Quality Assurance notices are included in the narrative section and all pertinent Laboratory notices for SDG # 1005157 are included in the sample data sections.

Pesticide

Extraction and analysis holding time requirements were met for the samples. The samples in this SDG were further cleaned through GPC cleanup process.

Target analytes confirmed above the reporting limits in samples SS51-0-1, SS51D-0-1, SS66-0-1, and SS90-0-1. Samples SB82D-2-3, SS51D-0-1, SS66-0-1, and SS90-0-1 were analyzed and reported at a dilution, as well as neat or a lesser dilution, due to target analytes exceeding the calibration range on at least one column. Manual integrations performed on the samples within this SDG are documented on a spreadsheet after the narrative.

All QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All surrogate recoveries were with the method specified limits, with exceptions of Tetrachloro-m-xylene on either column or both column in samples SS73-9-10MSD, SS69-0-1, SB69-2-3, SB64-1-2, SB65-1-2, SS66-0-1, SS65-0-1, SS82D-0-1, and SB82D-2-3.

The method blank associated with the samples met all quality control criteria.

Duplicate matrix spike samples were performed with sample SS73-9-10, and met recovery and precision criteria, with the exceptions of the recovery of 4,4'-DDE and Endrin aldehyde in the MSD and the precision of Dieldrin and Methoxychlor. The Laboratory Control Sample (LCS) prepared and analyzed with the samples met recovery criteria.

An uncertainty of these test results may be estimated from the recovery of the surrogates added to the sample prior to sample preparation or from the recovery of spiked compound(s) in the associated laboratory control sample. Further information is available upon request.

I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on CD has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Teresa Amentt Jennings

Teresa Amentt Jennings
GC/HPLC Data Reviewer
June 18, 2010

Manual Integrations									
SDG:	1005157								
Sample(s)	SS73-9-10MSD	SS73-9-10	SS51-0-1	SS90-0-1	SB70-1-2	SB69-2-3	SS64-0-1	SS65-0-1	SS82-0-1
Compound									
alpha-BHC									
gamma-BHC									
beta-BHC	X								X
delta-BHC									
Heptachlor		X						X	
Aldrin									
Heptachlor Epoxide			X			X			
gamma-Chlordane					X				
alpha-Chlordane									
Endosulfan I									
4,4'-DDE			X						
Dieldrin				X					
Endrin							X		
4,4'-DDD									
Endosulfan II									
4,4'-DDT									
Endrin Aldehyde									
Endosulfan sulfate							X		
Methoxychlor									
Endrin Ketone									
Toxaphene									
Technical Chordane									
Tetrachloro-m-xylene									
Decachlorbiphenyl									
"X" Denotes a manual integration for the compound									

SDG:	1005157								
Sample(s)	SS82D-0-1								
Compound									
alpha-BHC									
gamma-BHC									
beta-BHC									
delta-BHC									
Heptachlor									
Aldrin									
Heptachlor Epoxide									
gamma-Chlordane	X								
alpha-Chlordane									
Endosulfan I									
4,4'-DDE									
Dieldrin									
Endrin									
4,4'-DDD									
Endosulfan II									
4,4'-DDT									
Endrin Aldehyde									
Endosulfan sulfate									
Methoxychlor									
Endrin Ketone									
Toxaphene									
Technical Chordane									
Tetrachloro-m-xylene									
Decachlorbiphenyl									
"X" Denotes a manual integration for the compound									

GC and GC/MS Column and Trap Specifications Table

SDG #: 1005157

COLUMNS

Columns Utilized	Brand Name	Coating Material	ID (mm)	Film Thickness (um)	Length (m)
	GC Laboratory				
	Restek	RTX-5	0.53	1.0	30
	Restek	RTX-SMS	0.53	1.0	30
✓	Restek	clpest	0.32	0.5	30
✓	Restek	clpest2	0.32	0.42	30
	J&W	DB-210	0.53	1.0	30
	J&W	GS-GASPRO	0.32	N/A	30
	GC Volatiles Laboratory				
	Restek	RTX-Volatiles	0.53	2.0	30
	GC/MS Volatiles Laboratory				
	Restek	RTX-VMS	0.18	1.0	20
	Supelco	SPB-624	0.32	1.8	60
	Supelco	SPB-624	0.53	3.0	75
	Phenomonex	ZB-624	0.32	1.8	60
	GC/MS Semivolatiles Laboratory				
	Restek	RTX-5MS	0.32	0.25	30
	HPLC Laboratory				
	Supelco	Supelcosil LC-PAH	4.6	5.0	15 cm
	Supelco	Discovery RP Amide C16	4.6	5.0	25 cm
	Restek	Pinnacle Cyano	4.6	5.0	25 cm
	Restek	Allure C18	4.6	5.0	25 cm

TRAPS

GC and GC/MS Volatiles Laboratory	
Supelco J (BETXTRAP™)	* 7.7 cm Carbopack C
	* 1.2 cm Carbopack B
Supelco K (Vocarb3000)	* 10 cm of Carbopack B (Graphitized Carbons)
	* 6 cm of Carboxen 1000 (Carbon molecular sieves)
	* 1 cm of Carboxen 1001 (Carbon molecular sieves)

Rev. 28

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CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.).

Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC chemists. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC analysis. The manual editing/integration flags are:

M - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak.

H - Denotes that the data reviewer, GC/MS operator, or GC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

MH - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.

L - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

The EPA CLP SOW documents require additional explanations for manual editing/integration. In the accompanying raw data packages, additional codes have been applied to the "M" flag and carry the following meanings;

M1 - The compound was not found by the automatic integration routine.

M2 - The compound was incorrectly integrated by the automatic integration routine.

M3 - The co-eluting compounds were incorrectly integrated by the automatic integration routine.

These codes will appear in the GC/MS and GC raw data.

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DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each compound. The qualifiers used are:

U : This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J : This flag indicates an estimated value. The flag is used as detailed below:

1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1:1 is assumed for the TIC analyte,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide and/or Aroclor or other GC or HPLC identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.

N : This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search and must be used with the J flag. For generic characterization of a TIC such as "chlorinated hydrocarbon" (or for an "unknown," with no matches ≥ 85% in the SOM01.2 SOW document), the N flag is not used.

P : In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the Form I and flagged with a P.
For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the lower of the two values is reported and flagged with a P. When the RPD is equal to or less than 40%, our policy is to also report the lower of the two values, although the choice could be a project specific issue. These SW-846 policies are consistent with Method 8000C. If Method 8000B is required, the higher of the two values is reported. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

DATA REPORTING QUALIFIERS (continued)

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis. If one or more compounds have a concentration greater than the upper level of the calibration range, the sample or extract will be diluted and reanalyzed. All such compounds with a concentration greater than the upper level of the calibration range will have the result flagged with an E on Form I for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration of an analyte exceeds the upper calibration range, the DL suffix is appended to the sample number on the Form I for the more diluted sample, and **all** reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.

NOTE 1: The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.

NOTE 2: Separate Forms I are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses are not combined on a single Form I.

A: This flag indicates that a TIC is a suspected aldol-condensation product.

S: In the SOM01.2 SOW document, this flag is used to indicate an estimated value for Aroclor target compounds where a valid 5-point initial calibration was not performed prior to the analytes detection in a sample. If an "S" flag is used for a specific Aroclor, then a reanalysis of the sample is required after a valid 5-point calibration is performed for the detected Aroclor.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y, and Z.

B. Chains-of-Custody

The laboratory shall include a copy of the Chain-of-Custody (CoC) documentation for all of the samples in the SDG. The CoC documents shall be arranged in increasing Client Sample ID number order, considering both letters and numbers.

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CHAIN OF CUSTODY

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Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page 1 of 2

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: VA BEACH State: VA Zip: 23462
Project Contact: REBEKAH SHAW
Phone #: 757-671-6279
Sampler's Name: K Rogis/Ron

Project Information

Project Name: CTO-94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or N
Are high concentrations expected? Y or N If yes, which ID(s)?

Requested Analysis (including MDL and PQL where applicable)

Tot Metals 6010B (Share 2oz)	Tot Chromium 6010B (Share 2oz)	Chrom. VI 7196A	SIM PAH 8270C (Share 80z.)	TCL PEST. 8081A	Grain Size ASTM D422 (1-8oz.)					
						Grain Size				

Matrix
GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

Comp Chem Sample ID (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Tot Metals 6010B (Share 2oz)	Tot Chromium 6010B (Share 2oz)	Chrom. VI 7196A	SIM PAH 8270C (Share 80z.)	TCL PEST. 8081A	Grain Size ASTM D422 (1-8oz.)	Grain Size	Lab Use Only
1005134-06	BBG-SS33-0-1-10B	5.17	1150	SO	3								X	X	X	X	X	1005211-08	
-07	BBG-SB33-5-10B	5.17	1200	SO	3								X	X	X	X	X		-09
-08	BBG-SB31-5-6-10B	5.17	1240	SO	3								X	X	X	X	X		-10
-09	BBG-SS31-0-1-10B	5.17	1225	SO	3								X	X	X	X	X		-11
1005134-01	BBG-SB73-9-10-10B	5.17	1500	SO	3							X		X	X	X	X		-12
-01	BBG-SB73-9-10-10B-MS	5.17	1500	SO	2							X		X	X	X			
-01	BBG-SB73-9-10-10B-SD	5.17	1500	SO	2							X		X	X	X			
1005134-10	BBG-SS32-0-1-10B	5.18	1100	SO	3								X	X	X	X	X	1005211-13	
-11	BBG-SS32D-0-1-10B	5-18	1105	SO	3								X	X	X	X	X (Dup)		
-12	BBG-SB32-2.5-3.5-10B	5.18	1110	SO	3								X	X	X	X	X	1005211-14	

Lab Use Only

Sample Unpacked By: K Manning
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or N/A
625 & Phenol samples checked for chlorine? Y or N/A
608 samples checked for pH between 5.0-9.0? Y or N/A

Comments

Sample Custody

Relinquished by:	Date/Time: 5.18.10 1420	Received by: K Manning	Date/Time: 5.19.10 0905
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontract? Y or N If yes, where? Grain Size to CT Labs
Custody Seal(s) intact? Y or N
On Ice? Y or N
Cooler Temp: 4.3 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

SN0010

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CHAIN OF CUSTODY

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Page ____ of ____

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: VA BEACH State: VA Zip: 23462
Project Contact: Rebekka Shaw
Phone #: 757-671-6279
Sampler's Name: K. Rogers

Project Information

Project Name: CTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER Contract
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Requested Analyses (Indicate Preservation Information)

(Share 1-20Z) Metals 6010B; Tot Cr 6010B; (Share 1-80Z) Cr VI 7196A; PAH 8270C; TCL Pest 8081A; (1-80Z.) Grain Size ASTM D422

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

Lab Use Only (Lab No.)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B	Tot Cr 6010B	Cr VI 7196A	PAH 8270C	TCL Pest 8081A	Grain Size ASTM D422		Grain Size	Lab Use Only
1005133-14	BBG-SS88-0-1-10B	5.19	0910	SO	3							X		X	X	X	X		1005210-09	
-15	BBG-SB88-2.5-3.5-10B	5.19	0925	SO	3							X		X	X	X	X		-10	
-16	BBG-SS76-0-1-10B	5.19	0955	SO	3							X		X	X	X	X		-11	
-17	BBG-SB76-6-7-10B	5.19	1045	SO	3							X		X	X	X	X		-12	
-18	BBG-SS87-0-1-10B	5.19	1145	SO	3							X		X	X	X	X		-13	
-19	BBG-SB87-3-4-10B	5.19	1155	SO	3							X		X	X	X	X		-14	
1005134-15	BBG-SS12-0-1-10B	5.19	1245	SO	3								X	X	X	X	X		-15	
-16	BBG-SB12-2-3-10B	5.19	1255	SO	3								X	X	X	X	X		-16	
1005157-02	BBG-SS51-0-1-10B	5.19	1630	SO	3							X		X	X	X	X		-17	
-03	BBG-SS51D-0-1-10B	5.19	1635	SO	2							X		X	X	X			—	

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or N (A)
625 & Phenol samples checked for chlorine? Y or N (A)
608 samples checked for pH between 5.0-9.0? Y or N (A)

Relinquished/Received Information

Relinquished by:	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5.21.10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? (Y) or N If yes, where? Grain size to CT LABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 3.9 °C

Samples stored 60 days after date report mailed at no extra charge.

KM 5.21.10 - Client Delivery

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Page ____ of ____

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: Va Beach State: VA Zip: 23462
Project Contact: REBEKAH SHAW
Phone #: 757-671-6279
Sampler's Name: K. ROGERS

Project Information

Project Name: CTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Requested Analysis (Method/Ref. Number)

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

Lab Use Only (Lab #)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B (Shaw 1-262)	tot Cr 6010B	Cr VI 7196A	SIM PAH 8270C (Shaw 1-802)	TCL PEST 8081A (1-802)	Grain Size ASTM D 422			Lab Use Only
1005157-04	BBG-SS90-0-1-10B	5.19	1455	SO	3							X		X	X	X	X		Grain size 1005212-18	
↓ -05	BBG-SB90-2-3-10B	5.19	1500	SO	3							X		X	X	X	X		↓ -19	
1005134-17	BBG-SS44-0-1-10B	5.20	0810	SO	3								X	X	X	X	X		↓ -20	
1005134-18	BBG-SB44-5-6-10B	5.20	0825	SO	3								X	X	X	X	X		1005213-01	
↓	BBG-SB44-5-6-10B-MS	5.20	0825	SO	3								X	X	X	X			—	
↓	BBG-SB44-5-6-10B-SD	5.20	0825	SO	3								X	X	X	X			—	
1005133-20	BBG-SS68-0-1-10B	5.20	0930 0940	SO	3							X		X	X	X	X		1005213-02	
1005134-19	BBG-SS43-0-1-10B	5.20	1035	SO	3								X	X	X	X	X		↓ -03	
↓ -20	BBG-SB43-3-4-10B	5.20	1045	SO	3								X	X	X	X	X		↓ -04	

Instructions

Sample Unpacked By: K. Manning
Sample Order Entry By: [illegible]
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

Sample Custody

Relinquished by: [signature]	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5.21.10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? (Y) or N If yes, where? Grain size to CT LABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 3.1 °C

Samples stored 60 days after date report mailed at no extra charge.

Client Delivery - KM 5/21/10

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Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information		Project Information		Requested Analysis (Circle or Fill In)										Matrix Codes
Company Name	CH2M HILL	Project Name	CTO 94											GW - Ground water
Address	5700 Cleveland St Ste 101	Sampling Location	MCB CAMP LEJEUNE											WW - Waste water
City / State / Zip	Va Beach VA 23462	Turnaround time	PER CONTRACT											SW - Surface water
Project Contact	Rebekka Shaw	Batch QC or Project Specific? If Specific, which Sample ID?												SO - Soil/Sediment
Phone #	757-671-6279	Are aqueous samples field filtered for metals? Y or N												TB - Trip Blank
Sampler's Name	K. Rogers	Are high concentrations expected? Y or N? If yes, which ID(s)?												RI - Rinsate
														WP - Wipe
														O - Other

Sample Control (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B (Share 1-2oz.)	Tot Cr 6010B (Share 1-2oz.)	Cr VI 7196A (Share 1-8oz.)	SIM PAH 8270C	TCL PEST 8081A	Grain Size ASTM D422 (1-8oz.)		Gram Size						
1005157-06	BBG-SS70-0-1-10B	5.20	1200	SO	3							X		X	X	X	X		1005213-05					
-07	BBG-SB70-1-2-10B	5.20	1210	SO	3							X		X	X	X	X						-06	
1005180-01	SBG-SS41-0-1-10B	5.20	1520	SO	3								X	X	X	X	X						-07	
	~~BBG-SB41-1-2-10B~~	~~5.20~~	~~125~~	~~SO~~																				
1005180-02	BBG-SB41-1-2-10B	5.20	1525	SO	3								X	X	X	X	X		1005213-08					
1005157-08	BBG-SS69-0-1-10B	5.20	1610	SO	3							X		X	X	X	X						-09	
-09	BBG-SB69-2-3-10B	5.20	1620	SO	3							X		X	X	X	X						-10	
-10	BBG-SB69-1-2-10B	5.20	1820	SO	3							X		X	X	X	X						-11	
-11	BBG-SB65-1-2-10B	5.20	1745	SO	3							X		X	X	X	X						-12	
-12	BBG-SS64-0-1-10B	5.20	1815	SO	3							X		X	X	X	X						-13	

Lab Use Only		Comments
Sample Unpacked By:	K. Manning	
Sample Order Entry By:		
Samples Received in Good Condition? Y or N		
If no, explain:		
Cyanide samples checked for sulfide & chlorine? Y or N/A		
625 & Phenol samples checked for chlorine? Y or N/A		
608 samples checked for pH between 5.0-9.0? Y or N/A		

Relinquished by:	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5-21-10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:
Subcontract? Y or N If yes, where? Gram Size to CT LABS	Custody Seal(s) intact? Y or N	On Ice? Y or N	Cooler Temp: 0.3 °C

Samples stored 60 days after date report mailed at no extra charge.

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Courier	
Airbill No.	
Sampling Complete? Y or N	

Client/Reporting Information

Company Name	CH2M HILL
Address	5700 Cleveland St, 101
City / State / Zip	Va Beach / VA / 23462
Project Contact	Rebekha Shaw
Phone #	757-671-6279
Sampler's Name	K. Rogers

Project Information

Project Name	CTO 94
Sampling Location	MCB Camp Lejeune
Turnaround time	Per Contract
Batch QC or Project Specific? If Specific, which Sample ID?	
Are aqueous samples field filtered for metals? Y or N	N (circled)
Are high concentrations expected? Y or N? If yes, which ID(s)?	N (circled)

Matrix codes: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

Requested Analyses: 6010B metals; tot Cr 6010B (Share 2oz); Cr VI 7196A; SIM PAH 8270C (Share 8oz); TCL PEST 8081A (1-8oz); Grain Size ASTM D422

Lab ID	Field ID	Date	Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other	6010B metals	tot Cr 6010B	Cr VI 7196A	SIM PAH 8270C	TCL PEST 8081A	Grain Size ASTM D422	Grain size
1005180-03	BBG-SS35-0-1-10B	5-20	1650	SO	3								X	X	X	X	X	1005213-14
1005157-13	BBG-SS66-0-1-10B	5-20	1720	SO	3							X		X	X	X	X	-15
-14	BBG-SS65-0-1-10B	5-20	1740	SO	3							X		X	X	X	X	-16
1005180-04	BBG-SB35-2-3-10B	5-20	1700	SO	3								X	X	X	X	X	-17
1005157-15	BBG-SS82-0-1-10B	5-21	0825	SO	3							X	X (struck)	X	X	X	X	-18
-16	BBG-SS82D-0-1-10B	5-21	0830	SO	2							X	(struck)	X	X	X		
-17	BBG-SB82-2-3-10B	5-21	0840	SO	3							X		X	X	X	X	1005213-19
-18	BBG-SB82D-2-3-10B	5-21	0845	SO	2							X		X	X	X		

Lab Use Only

Sample Unpacked By: K Manning

Sample Order Entry By: [signature]

Samples Received in Good Condition? Y (circled) or N

If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA (circled)

625 & Phenol samples checked for chlorine? Y or NA (circled)

608 samples checked for pH between 5.0-9.0? Y or NA (circled)

Comments

Sample Custody

Relinquished by: [signature]	Date/Time: 5-21-10 1600	Received by: K. Manning	Date/Time: 5-21-10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:
Subcontact? Y (circled) or N If yes, where? Grain size to CT LABS	Custody Seal(s) intact? Y or N (circled)	On Ice? Y (circled) or N	Cooler Temp: 1.3 °C

Samples stored 60 days after date report mailed at no extra charge.

KM 5-21-10 - Client Delivery

White & Yellow copy to lab • Pink copy for customer SN0015

CompuChem
A Division Of
Liberty Analytical Corp.

Sample ID Cross Reference

LAB WO	Project	Sample #	Field ID	Sample Date	Rec Date	DueDate	Chain of Custody ID
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-01	SB73-9-10	05/17/2010	05/19/2010	06/03/2010	BBG-SB73-9-10-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-01	SB73-9-10	05/17/2010	05/19/2010	06/10/2010	BBG-SB73-9-10-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-02	SS51-0-1	05/19/2010	05/21/2010	06/03/2010	BBG-SS51-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-02	SS51-0-1	05/19/2010	05/21/2010	06/10/2010	BBG-SS51-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-03	SS51D-0-1	05/19/2010	05/21/2010	06/03/2010	BBG-SS51D-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-03	SS51D-0-1	05/19/2010	05/21/2010	06/10/2010	BBG-SS51D-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-04	SS90-0-1	05/19/2010	05/21/2010	06/03/2010	BBG-SS90-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-04	SS90-0-1	05/19/2010	05/21/2010	06/10/2010	BBG-SS90-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-05	SB90-2-3	05/19/2010	05/21/2010	06/03/2010	BBG-SB90-2-3-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-05	SB90-2-3	05/19/2010	05/21/2010	06/10/2010	BBG-SB90-2-3-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-06	SS70-0-1	05/20/2010	05/21/2010	06/03/2010	BBG-SS70-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-06	SS70-0-1	05/20/2010	05/21/2010	06/10/2010	BBG-SS70-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-07	SB70-1-2	05/20/2010	05/21/2010	06/03/2010	BBG-SB70-1-2-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-07	SB70-1-2	05/20/2010	05/21/2010	06/10/2010	BBG-SB70-1-2-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-08	SS69-0-1	05/20/2010	05/21/2010	06/03/2010	BBG-SS69-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-08	SS69-0-1	05/20/2010	05/21/2010	06/10/2010	BBG-SS69-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-09	SB69-2-3	05/20/2010	05/21/2010	06/03/2010	BBG-SB69-2-3-10B

LAB WO	Project	Sample #	Field ID	Sample Date	Rec Date	DueDate	Chain of Custody ID
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-09	SB69-2-3	05/20/2010	05/21/2010	06/10/2010	BBG-SB69-2-3-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-10	SB64-1-2	05/20/2010	05/21/2010	06/03/2010	BBG-SB64-1-2-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-10	SB64-1-2	05/20/2010	05/21/2010	06/10/2010	BBG-SB64-1-2-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-11	SB65-1-2	05/20/2010	05/21/2010	06/03/2010	BBG-SB65-1-2-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-11	SB65-1-2	05/20/2010	05/21/2010	06/10/2010	BBG-SB65-1-2-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-12	SS64-0-1	05/20/2010	05/21/2010	06/03/2010	BBG-SS64-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-12	SS64-0-1	05/20/2010	05/21/2010	06/10/2010	BBG-SS64-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-13	SS66-0-1	05/20/2010	05/21/2010	06/03/2010	BBG-SS66-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-13	SS66-0-1	05/20/2010	05/21/2010	06/10/2010	BBG-SS66-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-14	SS65-0-1	05/20/2010	05/21/2010	06/03/2010	BBG-SS65-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-14	SS65-0-1	05/20/2010	05/21/2010	06/10/2010	BBG-SS65-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-15	SS82-0-1	05/21/2010	05/21/2010	06/03/2010	BBG-SS82-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-15	SS82-0-1	05/21/2010	05/21/2010	06/10/2010	BBG-SS82-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-16	SS82D-0-1	05/21/2010	05/21/2010	06/03/2010	BBG-SS82D-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-16	SS82D-0-1	05/21/2010	05/21/2010	06/10/2010	BBG-SS82D-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-17	SB82-2-3	05/21/2010	05/21/2010	06/03/2010	BBG-SB82-2-3-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-17	SB82-2-3	05/21/2010	05/21/2010	06/10/2010	BBG-SB82-2-3-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-18	SB82D-2-3	05/21/2010	05/21/2010	06/03/2010	BBG-SB82D-2-3-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-18	SB82D-2-3	05/21/2010	05/21/2010	06/10/2010	BBG-SB82D-2-3-10B

WORK ORDER

1005157

Printed: 7/7/2010 10:36:32AM

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005157** **CASE:**	**Status:**	**Reported**

Report To:
CH2M HILL, INC.
REBEKHA SHAW
5700 CLEVELAND STREET, SUITE 101
VIRGINIA BEACH, VA 23462
Phone: 757-671-8311
Fax: -

Invoice To:
CH2M HILL, INC.
ACCOUNTS PAYABLE
P.O. BOX 241329
DENVER, CO 80224
Phone :757-671-8311
Fax: -

Date Due: 06/10/2010 00:00 (20 day TAT)

Received By: Cathy Dover — Date Received: 05/21/2010 16:00

Logged In By: Cathy Dover — Date Logged In: 05/20/2010 11:35

J & B Flags?: **YES**	TICS?:**NO**	Deliverable: **Style 9 PQL/MDL Forms**	EDD : **30) CH2 SNEDD**
Metals ND to? **RL/CRQL**	Spike Level: **FULL Spike**		

DOD CRITERIA*USE 1005157-01 FOR QC*SIM 8270C=PAH.SUB*PEST 8081A*TAL METALS*HEXAVALENT Cr 7196A + Cr+3 REPORTED ON FORMS & EDD

Analysis	Due	TAT	Expires	Received	Comments
1005157-01 SB73-9-10 [Soil] Sampled 05/17/2010 15:00 Eastern					**USE FOR QC**
GC-8081A/PEST	06/10/2010 16:00	20	05/31/2010 15:00	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/13/2010 15:00	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/31/2010 15:00	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/13/2010 15:00	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/13/2010 15:00	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/14/2010 15:00	05/19/2010 09:05	
1005157-02 SS51-0-1 [Soil] Sampled 05/19/2010 16:30 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 16:30	05/21/2010 16:05	
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 16:30	05/21/2010 16:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 16:30	05/21/2010 16:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 16:30	05/21/2010 16:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 16:30	05/21/2010 16:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 16:30	05/21/2010 16:05	

1005157

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005157** **CASE:**	**Status:**	**Reported**

Analysis	Due	TAT	Expires	Comments
1005157-03 SS51D-0-1 [Soil] Sampled 05/19/2010 16:35 Eastern				
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 16:35	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 16:35	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 16:35	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 16:35	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 16:35	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 16:35	05/21/2010 16:05
1005157-04 SS90-0-1 [Soil] Sampled 05/19/2010 14:55 Eastern				
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 14:55	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 14:55	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 14:55	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 14:55	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 14:55	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 14:55	05/21/2010 16:05
1005157-05 SB90-2-3 [Soil] Sampled 05/19/2010 15:00 Eastern				
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 15:00	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 15:00	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 15:00	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 15:00	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 15:00	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 15:00	05/21/2010 16:05
1005157-06 SS70-0-1 [Soil] Sampled 05/20/2010 12:00 Eastern				
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 12:00	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 12:00	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 12:00	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 12:00	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 12:00	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 12:00	05/21/2010 16:05

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COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005157** **CASE:**	**Status:**	**Reported**

Analysis	Due	TAT	Expires	Comments
1005157-07 SB70-1-2 [Soil] Sampled 05/20/2010 12:10 Eastern				
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 12:10	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 12:10	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 12:10	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 12:10	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 12:10	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 12:10	05/21/2010 16:05
1005157-08 SS69-0-1 [Soil] Sampled 05/20/2010 16:10 Eastern				
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 16:10	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 16:10	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 16:10	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 16:10	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 16:10	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 16:10	05/21/2010 16:05
1005157-09 SB69-2-3 [Soil] Sampled 05/20/2010 16:20 Eastern				
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 16:20	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 16:20	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 16:20	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 16:20	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 16:20	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 16:20	05/21/2010 16:05
1005157-10 SB64-1-2 [Soil] Sampled 05/20/2010 18:20 Eastern				
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 18:20	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 18:20	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 18:20	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 18:20	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 18:20	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 18:20	05/21/2010 16:05

1005157

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005157** **CASE:**	**Status:**	**Reported**

Analysis	Due	TAT	Expires	Comments
1005157-11 SB65-1-2 [Soil] Sampled 05/20/2010 17:45 Eastern				
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 17:45	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 17:45	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 17:45	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 17:45	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 17:45	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 17:45	05/21/2010 16:05
1005157-12 SS64-0-1 [Soil] Sampled 05/20/2010 18:15 Eastern				
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 18:15	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 18:15	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 18:15	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 18:15	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 18:15	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 18:15	05/21/2010 16:05
1005157-13 SS66-0-1 [Soil] Sampled 05/20/2010 17:20 Eastern				
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 17:20	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 17:20	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 17:20	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 17:20	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 17:20	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 17:20	05/21/2010 16:05
1005157-14 SS65-0-1 [Soil] Sampled 05/20/2010 17:40 Eastern				
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 17:40	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 17:40	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 17:40	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 17:40	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 17:40	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 17:40	05/21/2010 16:05

1005157

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005157** **CASE:**	**Status:**	**Reported**

Analysis	Due	TAT	Expires	Comments
1005157-15 SS82-0-1 [Soil] Sampled 05/21/2010 08:25 Eastern				
6010B METALS TAL	06/10/2010 16:00	20	11/17/2010 08:25	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/04/2010 08:25	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/17/2010 08:25	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/17/2010 08:25	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/04/2010 08:25	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/18/2010 08:25	05/21/2010 16:05
1005157-16 SS82D-0-1 [Soil] Sampled 05/21/2010 08:30 Eastern				
Solids, Dry Weight	06/03/2010 16:00	13	11/17/2010 08:30	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/04/2010 08:30	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/17/2010 08:30	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/04/2010 08:30	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/18/2010 08:30	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/17/2010 08:30	05/21/2010 16:05
1005157-17 SB82-2-3 [Soil] Sampled 05/21/2010 08:40 Eastern				
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/17/2010 08:40	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/17/2010 08:40	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/04/2010 08:40	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/17/2010 08:40	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/18/2010 08:40	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/04/2010 08:40	05/21/2010 16:05
1005157-18 SB82D-2-3 [Soil] Sampled 05/21/2010 08:45 Eastern				
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/04/2010 08:45	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/18/2010 08:45	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/04/2010 08:45	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/17/2010 08:45	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/17/2010 08:45	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/17/2010 08:45	05/21/2010 16:05

Analysis groups included in this work order

TRIVALENT CHROMIUM Cr3 7196A

Total Cr by Metals HEXAVALENT CHROMI

CompuChem, a Division of Liberty Analytical Corp.

EXTRACT COC

DEPT: EXTR **DATE:** 6-4-10

BATCH: 0052601

6-4-2

	COMPUCHEM NUMBER	CLIENT SAMPLE ID	PARAMETER	
1	0052601-BLK1	PBLKCT		
2	0052601-BS1	PCTLCS		
3	0052601-MS1	SS73-9-10MS		
4	0052601-MSD1	SS73-9-10MSD (18) 7/7/10		
5	1005157-01	SS73-9-10		
6	1005157-02	SS51-0-1		
7	1005157-03	SS51D-0-1		
8	1005157-04	SS90-0-1		
9	1005157-05	SB90-2-3		
10	1005157-06	SS70-0-1		
11	1005157-07	SB70-1-2		
12	1005157-08	SS69-0-1		
13	1005157-09	SB69-2-3		
14	1005157-10	SB64-1-2		
15	1005157-11	SB65-1-2		
16	1005157-12	SS64-0-1		
17	1005157-13	SS66-0-1		
18	1005157-14	SS65-0-1		
19	1005157-15	SS82-0-1		
20	1005157-16	SS82D-0-1		
21	1005157-17	SB82-2-3		
22	1005157-18	SB82D-2-3		
23				
24				
25				
26				
27				
28				

	RELINQUISHED BY	DATE/TIME	REC. BY	REASON
1		6-4-10 1220	GC refrig #3	Storage
2	GC#3	6/4/10 1430	AHW	login
3	AHW	6/4/10 1430	GC#4	storage
4				
5				
6				

Rev. 12/29/09:RM

C. SDG Data

1. QC Summary
2. Sample Data
3. Standards Data
4. Raw QC Data

LAB CODE: LIBRTY

METHOD: 8081B

SDG #: 1005157

1. QC Summary

a. Surrogate Percent Recovery Summary (Form II)

b. Matrix Spike/Matrix Spike Duplicate/
Laboratory Control Sample Summary
(Form III)

c. Method Blank Summary (Form IV)

a. Surrogate Percent Recovery Summary

(Form II)

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

GC Column(1): CLPEST ID: 0.32 (mm) GC Column(2): CLPEST2 ID: 0.32 (mm)

	EPA SAMPLE NO.	S1 1 %REC #	S1 2 %REC #	TCX 1 %REC #	TCX 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLKCT	93	94	87	88			0
02	SB73-9-10MS	95	95	94	86			0
03	SB73-9-10MSD	70	70	71	61*			1
04	SB73-9-10	88	90	78	74			0
05	SS51-0-1	110	125	85	84			0
06	SS51D-0-1	92	98	100	76			0
07	SS90-0-1	92	91	78	79			0
08	SB90-2-3	89	88	83	73			0
09	SS70-0-1	99	98	88	100			0
10	SB70-1-2	97	93	97	102			0
11	SS69-0-1	97	96	90	143*			1
12	SB69-2-3	90	85	200 *	63*			2
13	SB64-1-2	86	86	130 *	77			1
14	SB65-1-2	87	88	200 *	90			1
15	SS64-0-1	99	92	120	80			0
16	SS66-0-1	83	86	210 *	75			1
17	SS65-0-1	91	93	150 *	89			1
18	SS82-0-1	94	90	110	82			0
19	SS82D-0-1	84	84	130 *	72			1
20	SB82-2-3	82	86	94	76			0
21	SB82D-2-3	80	82	84	58*			1
22	PCTLCS	84	85	82	89			0
23	SS51D-0-1DL	100	99	98	79			0
24	SS90-0-1DL	95	89	77	72			0
25	SS66-0-1DL	89	89	240 D	79			0
26	SB82D-2-3DL	91	89	64 D	60D			0
27								
28								
29								
30								

ADVISORY QC LIMITS

S1 = Decachlorobiphenyl (55-130)
S2 (TCX) = Tetrachloro-m-Xylene (70-125)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

b. Matrix Spike/Matrix Spike Duplicate/ Laboratory Control Sample Summary

(Form III)

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix Spike - EPA Sample No.: SB73-9-10

COMPOUND	SPIKE ADDED (ug/Kg	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Aldrin	6.3	0.0	5.2	82	45-140
beta-BHC	6.3	0.0	6.1	97	60-125
alpha-BHC	6.3	0.0	6.3	100	60-125
delta-BHC	6.3	0.25	7.2	110	55-130
gamma-BHC (Lindane)	6.3	0.0	5.7	90	60-125
4,4'-DDD	16	0.0	17	106	30-135
4,4'-DDE	16	0.0	16	100	70-125
4,4'-DDT	16	0.0	15	94	45-140
Dieldrin	16	0.0	17	106	65-125
Endosulfan I	6.3	0.0	5.9	94	15-135
Endosulfan II	16	0.0	16	100	35-140
Endosulfan sulfate	16	0.0	16	100	60-135
Endrin	16	0.0	16	100	60-135
Endrin Aldehyde	16	0.0	5.6	35	35-145
Heptachlor	6.3	0.22	7.1	109	50-140
Heptachlor Epoxide	6.3	0.0	6.7	106	65-130
Methoxychlor	16	0.0	17	106	55-145
Endrin Ketone	16	0.0	18	112	65-135
gamma-Chlordane	6.3	0.0	6.1	97	65-125
alpha-Chlordane	6.3	0.0	7.3	116	65-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix Spike - EPA Sample No.: SB73-9-10

COMPOUND	SPIKE ADDED (ug/Kg	MSD CONCENTRATION (ug/Kg	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aldrin	6.3	3.9	62	28	40	45-140
beta-BHC	6.3	4.7	75	26	40	60-125
alpha-BHC	6.3	4.5	71	33	40	60-125
delta-BHC	6.3	5.2	78	32	40	55-130
gamma-BHC (Lindane)	6.3	4.2	67	30	40	60-125
4,4'-DDD	16	12	75	34	40	30-135
4,4'-DDE	16	11	69*	37	40	70-125
4,4'-DDT	16	11	69	31	40	45-140
Dieldrin	16	11	69	43*	40	65-125
Endosulfan I	6.3	4.2	67	34	40	15-135
Endosulfan II	16	12	75	28	40	35-140
Endosulfan sulfate	16	11	69	37	40	60-135
Endrin	16	11	69	37	40	60-135
Endrin Aldehyde	16	4.2	26*	28	40	35-145
Heptachlor	6.3	5.2	79	31	40	50-140
Heptachlor Epoxide	6.3	5.0	79	29	40	65-130
Methoxychlor	16	11	69	43*	40	55-145
Endrin Ketone	16	13	81	32	40	65-135
gamma-Chlordane	6.3	4.3	68	35	40	65-125
alpha-Chlordane	6.3	5.2	82	34	40	65-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 2 out of 20 outside limits
Spike Recovery: 2 out of 40 outside limits

COMMENTS: _____

3F
SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

LCS ID: PCTLCS

COMPOUND	SPIKE ADDED (ug/Kg	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Aldrin	5.0	4.3	86	45-140
beta-BHC	5.0	4.3	86	60-125
alpha-BHC	5.0	4.8	96	60-125
delta-BHC	5.0	5.4	110	55-130
gamma-BHC (Lindane)	5.0	4.5	90	60-125
4,4'-DDD	13	12	92	30-135
4,4'-DDE	13	12	92	70-125
4,4'-DDT	13	11	85	45-140
Dieldrin	13	13	100	65-125
Endosulfan I	5.0	4.6	92	15-135
Endosulfan II	13	12	92	35-140
Endosulfan sulfate	13	12	92	60-135
Endrin	13	12	92	60-135
Endrin Aldehyde	13	5.3	41	35-145
Heptachlor	5.0	5.3	110	50-140
Heptachlor Epoxide	5.0	5.2	100	65-130
Methoxychlor	13	13	100	55-145
Endrin Ketone	13	13	100	65-135
gamma-Chlordane	5.0	4.8	96	65-125
alpha-Chlordane	5.0	5.6	110	65-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS: _____

c. Method Blank Summary (Form IV)

If more than a single form is necessary, forms shall be arranged in chronological order by date of analysis of the blanks and by instrument.

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLKCT

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab Sample ID: 0052601-BLK1 Lab File ID: 339J0052601-BLK1

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SONC

Sulfur Cleanup (Y/N) N Date Extracted: 05/26/10

Date Analyzed (1): 06/08/10 Date Analyzed (2): 06/08/10

Time Analyzed (1): 1502 Time Analyzed (2): 1502

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column (1): CLPEST ID: 0.32(mm) GC Column (2): CLPEST2 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	SB73-9-10MS	0052601-MS1	06/08/10	06/08/10
02	SB73-9-10MSD	0052601-MSD1	06/08/10	06/08/10
03	SB73-9-10	1005157-01	06/08/10	06/08/10
04	SS51-0-1	1005157-02	06/08/10	06/08/10
05	SS51D-0-1	1005157-03	06/08/10	06/08/10
06	SS90-0-1	1005157-04	06/08/10	06/08/10
07	SB90-2-3	1005157-05	06/08/10	06/08/10
08	SS70-0-1	1005157-06	06/08/10	06/08/10
09	SB70-1-2	1005157-07	06/08/10	06/08/10
10	SS69-0-1	1005157-08	06/08/10	06/08/10
11	SB69-2-3	1005157-09	06/08/10	06/08/10
12	SB64-1-2	1005157-10	06/08/10	06/08/10
13	SB65-1-2	1005157-11	06/08/10	06/08/10
14	SS64-0-1	1005157-12	06/09/10	06/09/10
15	SS66-0-1	1005157-13	06/09/10	06/09/10
16	SS65-0-1	1005157-14	06/09/10	06/09/10
17	SS82-0-1	1005157-15	06/09/10	06/09/10
18	SS82D-0-1	1005157-16	06/09/10	06/09/10
19	SB82-2-3	1005157-17	06/09/10	06/09/10
20	SB82D-2-3	1005157-18	06/09/10	06/09/10
21	PCTLCS	0052601-BS1	06/11/10	06/11/10
22	SS51D-0-1DL	1005157-03RE1	06/11/10	06/11/10
23	SS90-0-1DL	1005157-04RE1	06/11/10	06/11/10
24	SS66-0-1DL	1005157-13RE1	06/11/10	06/11/10
25	SB82D-2-3DL	1005157-18RE1	06/11/10	06/11/10
26				

COMMENTS: _____

FORM IV PEST

2. Sample Data

Sample data shall be arranged in packets with the Organic Analysis Data Sheet (Form I), followed by the raw data for samples. These sample packets shall be placed in increasing Client Sample ID number order, considering both letters and numbers.

a. Target Analyte Results

Tabulated results (identification and quantitation) shall be included.

b. Copies of Chromatograms

Positively identified compounds shall be labeled with the names of compounds, either directly out from the peak on the chromatogram, or on a printout of retention times on the data system printout if retention times are printed over the peak on the chromatogram. Included for each sample or sample extract, dilutions, and reanalysis. The chromatogram shall contain the following header information: Client Sample ID number, volume injected (uL), date and time of injection, GC column ID, and GC instrument ID.

c. Copies of Chromatograms from the Second Column

(if necessary)

d. Data System Printout

A printout of retention time and corresponding peak height or peak Area shall accompany each chromatogram. Where edits have been Made, initialing, dating and integration time range are required.

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB64-1-2

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 13 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	2.0	U
319-84-6	alpha-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
72-54-8	4,4'-DDD	3.8	U
72-55-9	4,4'-DDE	3.8	U
50-29-3	4,4'-DDT	3.8	U
60-57-1	Dieldrin	3.8	U
959-98-8	Endosulfan I	2.0	U
33213-65-9	Endosulfan II	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
72-20-8	Endrin	3.8	U
7421-93-4	Endrin Aldehyde	3.8	U
76-44-8	Heptachlor	2.0	U
1024-57-3	Heptachlor Epoxide	2.0	U
72-43-5	Methoxychlor	20	U
8001-35-2	Toxaphene	95	U
53494-70-5	Endrin Ketone	3.8	U
5103-74-2	gamma-Chlordane	2.0	U
5103-71-9	alpha-Chlordane	2.0	U

Data File: /chem/tracegc84.i/j100528zg.b/356j1005157-10.d

Page 1

Date : 08-JUN-2010 23:13

Client ID: SB64-1-2

Instrument: tracegc84.i

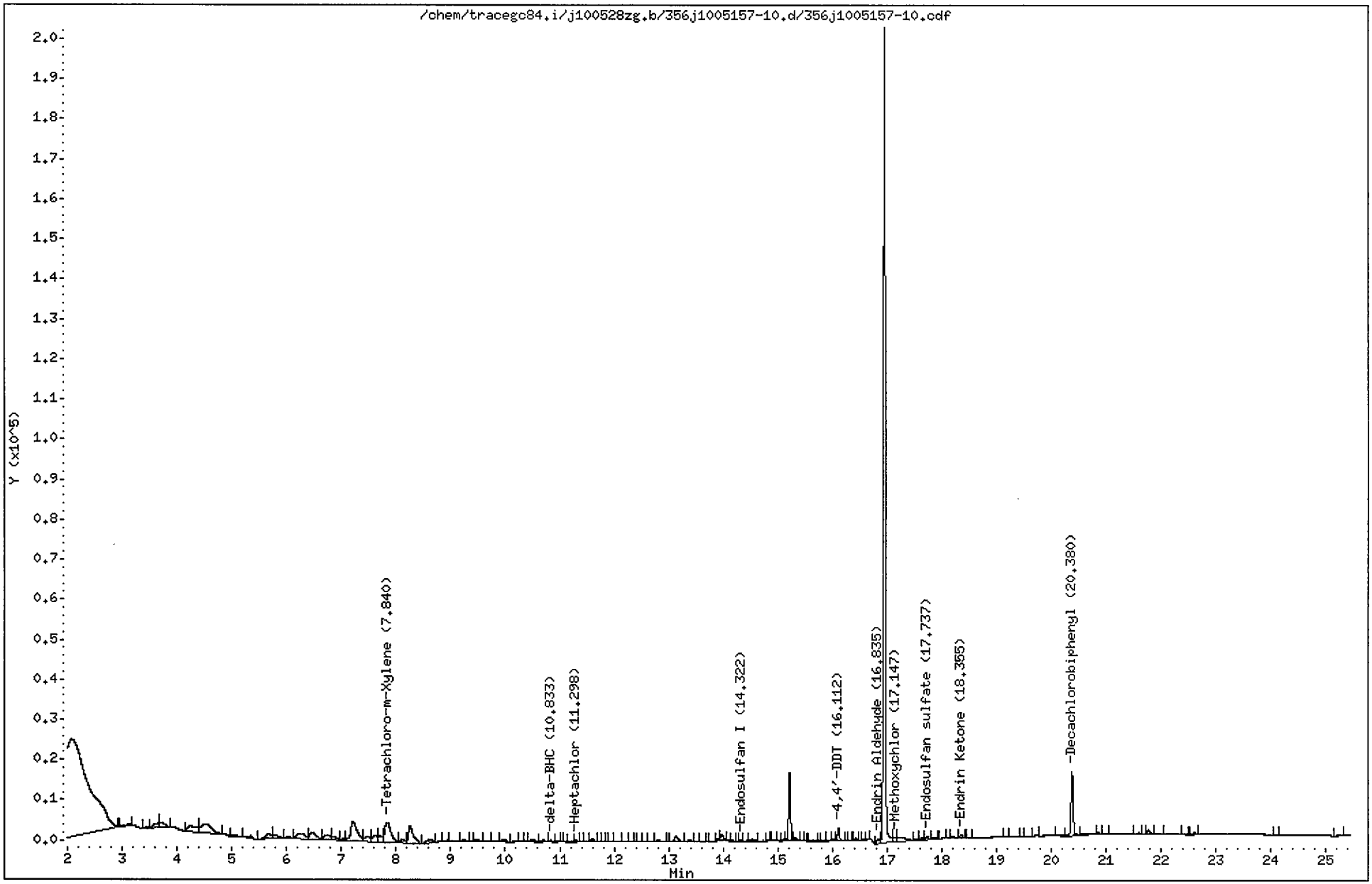
Sample Info: 1005157-10

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-10 Client Smp Id : SB64-1-2
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 23:13 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zg.b/8081A_clpestv6.m
Misc. Info : SB64-1-2

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 13(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.48			26909								
2.08			844011								
2.95			244								
3.12			1259								
3.44			435								
3.67			6844								
3.70			7847								
4.24			15932								
4.51			26523								
5.03			2128								
5.35			5331								
5.66			8321								
5.80			4480								
6.01			2194								
6.26			14448								
6.47			14035								
6.73			10046								
6.86			5762								
7.04			2304								
7.21			41994								
7.48			8304								
7.62			9513								
7.71			7048								
7.84	7.77	7.91	40595	522758	Tetrachloro-m-Xylene	0.077654	14.87617		129.4*	70 - 125	R
8.12			5353								
8.26			28670								
8.65			6722								
8.81			879								
8.89			948								
9.25			1558								
9.47			2770								
9.65			1394								
9.97			3167								
10.20			750								
10.30			264								
10.50			2803								
10.71			1340								

CompuChem

Lab Smp Id : 1005157-10 Client Smp Id : SB64-1-2
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 23:13 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg.b/8081A_clpestv6.m
Misc. Info : SB64-1-2

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 13(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
10.83	10.77 10.91	1032	689518	delta-BHC	0.001495	0.286446	1.954023			J
10.95		687								
11.09		268								
11.19		1180								
11.30	11.29 11.43	781	695465	Heptachlor	0.001122	0.214857	1.954023			J
11.50		658								
11.61		2860								
11.80		190								
11.93		315								
12.19		479								
12.33		341								
12.45		287								
12.66		292								
12.81		2339								
13.13		5674								
13.38		1274								
13.50		241								
13.71		166								
13.79		184								
13.91		1150								
13.98		4731								
14.17		304								
14.32	14.29 14.43	639	548162	Endosulfan I	0.001166	0.223317	1.954023			J
14.42		394								
14.53		1478								
14.82		227								
14.93		194								
15.04		316								
15.10		738								
15.22		41364								
15.33		2017								
15.43		357								
15.54		121								
15.68		1105								
15.83		898								
15.95		610								
16.02		1110								

CompuChem

Lab Smp Id : 1005157-10 Client Smp Id : SB64-1-2
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 23:13 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg.b/8081A_clpestv6.m
Misc. Info : SB64-1-2

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 13(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
16.11	16.08 16.22	8390	454781	4,4'-DDT	0.018446	3.533761	3.793103			J
16.32		268								
16.43		1350								
16.50		163								
16.57		565								
16.65		131								
16.84	16.71 16.85	4560	348470	Endrin Aldehyde	0.013086	2.506853	3.793103			J
16.95		476519								
17.15	17.11 17.25	6180	194359	Methoxychlor	0.031797	6.091347	19.54023			J
17.24		13167								
17.54		1198								
17.64		1714								
17.74	17.65 17.79	2360	392055	Endosulfan sulfate	0.006017	1.152684	3.793103			J
17.85		1103								
18.02		308								
18.21		1782								
18.36	18.24 18.38	2362	457258	Endrin Ketone	0.005163	0.989156	3.793103			J
18.51		148								
19.16		197								
19.46		129								
19.72		288								
20.13		1735								
20.38	20.33 20.47	42049	408350	Decachlorobiphenyl	0.102973	19.72662		85.8	55 - 130	
20.86		878								
20.99		436								
21.59		638								
21.70		482								
21.78		2895								
21.97		504								
22.42		594								
22.61		1392								
24.13		162								
25.30		1103								

Data File: /chem/tracegc84.i/j100528zg_2C.b/356j1005157-10.d

Page 1

Date : 08-JUN-2010 23:13

Client ID: SB64-1-2

Instrument: tracegc84.i

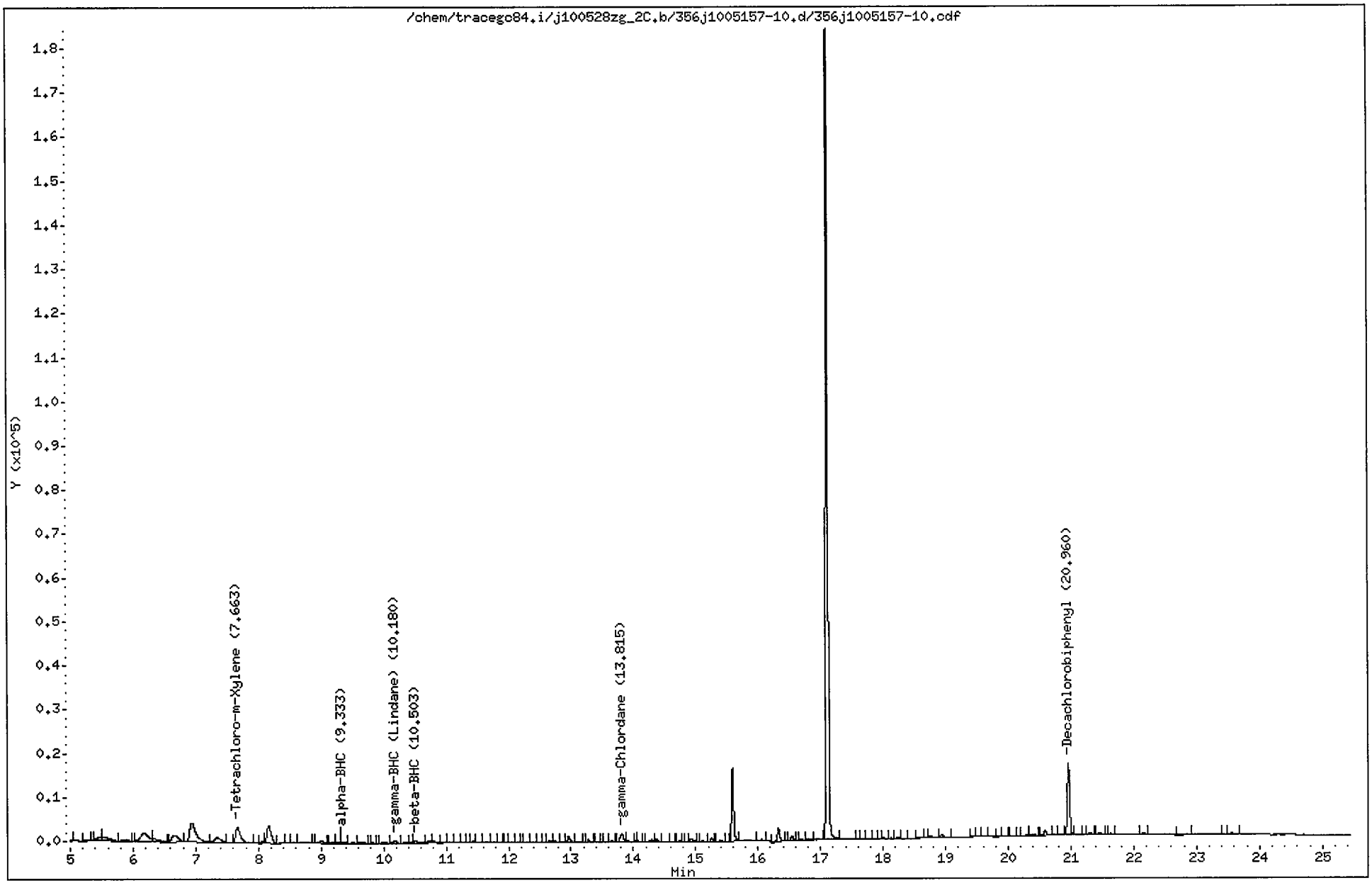
Sample Info: 1005157-10

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-10 Client Smp Id : SB64-1-2
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 23:13 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zg_2C.b/8081A_clpest2v6.m
Misc. Info : SB64-1-2

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 13(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.89			727931								
2.99			5454								
3.28			1765								
4.08			1182								
4.79			4201								
5.03			218								
5.30			217								
5.47			4097								
5.55			6251								
5.85			2055								
6.01			161								
6.17			15439								
6.33			4507								
6.66			11405								
6.94			31702								
7.34			8560								
7.53			579								
7.66	7.61	7.75	19344	416798	Tetrachloro-m-Xylene	0.046411	8.891001		77.4	70 - 125	
8.08			1621								
8.16			19335								
8.39			407								
8.55			497								
8.71			1355								
9.00			1912								
9.16			403								
9.26			624								
9.33	9.26	9.40	775	607758	alpha-BHC	0.001275	0.244287	1.954023			J
9.51			402								
9.66			1207								
9.82			133								
10.01			1086								
10.18	10.17	10.31	2240	585542	gamma-BHC (Lindane)	0.003826	0.732857	1.954023			J
10.35			634								
10.45			763								
10.50	10.41	10.55	2070	248610	beta-BHC	0.008326	1.595076	1.954023			J
10.73			1844								
10.81			1303								

KEH 6/10/10

CompuChem

Lab Smp Id : 1005157-10 Client Smp Id : SB64-1-2
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 23:13 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg_2C.b/8081A_clpest2v6.m
Misc. Info : SB64-1-2

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 13(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
10.94		488								
11.07		832								
11.20		459								
11.26		493								
11.34		519								
11.42		760								
11.54		372								
11.64		434								
11.79		332								
11.83		412								
11.96		131								
12.15		194								
12.28		316								
12.48		417								
12.57		131								
12.67		1323								
12.73		1381								
12.96		3561								
13.13		499								
13.28		1226								
13.42		108								
13.57		309								
13.65		929								
13.82	13.71 13.85	6369	513150	gamma-Chlordane	0.012412	2.377696	1.954023			
13.90		1127								
14.06		320								
14.17		192								
14.29		1402								
14.37		1187								
14.50		371								
14.63		106								
14.71		186								
14.86		104								
14.93		2552								
15.04		263								
15.12		514								
15.25		1735								

CompuChem

Lab Smp Id : 1005157-10 Client Smp Id : SB64-1-2
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 23:13 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg_2C.b/8081A_clpest2v6.m
Misc. Info : SB64-1-2

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 13(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
15.39		485								
15.59		36505								
16.06		690								
16.32		7739								
16.54		2091								
16.67		456								
16.81		917								
17.11		416407								
17.61		117								
17.68		146								
17.77		233								
17.86		389								
18.01		805								
18.13		501								
18.24		811								
18.36		144								
18.60		487								
18.69		320								
18.75		2130								
18.94		2451								
19.43		116								
19.62		271								
19.72		981								
19.86		215								
19.96		135								
20.11		232								
20.19		189								
20.30		469								
20.37		812								
20.59		2979								
20.73		181								
20.96	20.90 21.04	41780	406698	Decachlorobiphenyl	0.102730	19.68006		85.6	55 - 130	
21.22		132								
21.31		708								
21.46		573								
21.63		228								
22.16		369								

CompuChem

Lab Smp Id : 1005157-10 Client Smp Id : SB64-1-2
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 23:13 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg_2C.b/8081A_clpest2v6.m
Misc. Info : SB64-1-2

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 13(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
22.80		924								
23.43		342								
23.56		1043								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB65-1-2

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 20 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.1	U
319-85-7	beta-BHC	1.2	JP
319-84-6	alpha-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
72-54-8	4,4'-DDD	4.1	U
72-55-9	4,4'-DDE	4.1	U
50-29-3	4,4'-DDT	4.1	U
60-57-1	Dieldrin	4.1	U
959-98-8	Endosulfan I	2.1	U
33213-65-9	Endosulfan II	4.1	U
1031-07-8	Endosulfan sulfate	4.1	U
72-20-8	Endrin	4.1	U
7421-93-4	Endrin Aldehyde	0.62	JP
76-44-8	Heptachlor	2.1	U
1024-57-3	Heptachlor Epoxide	2.1	U
72-43-5	Methoxychlor	21	U
8001-35-2	Toxaphene	100	U
53494-70-5	Endrin Ketone	4.1	U
5103-74-2	gamma-Chlordane	2.1	U
5103-71-9	alpha-Chlordane	2.1	U

Data File: /chem/tracego84.i/j100528zg.b/357j1005157-11.d

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Date : 08-JUN-2010 23:42

Client ID: SB65-1-2

Instrument: tracego84.i

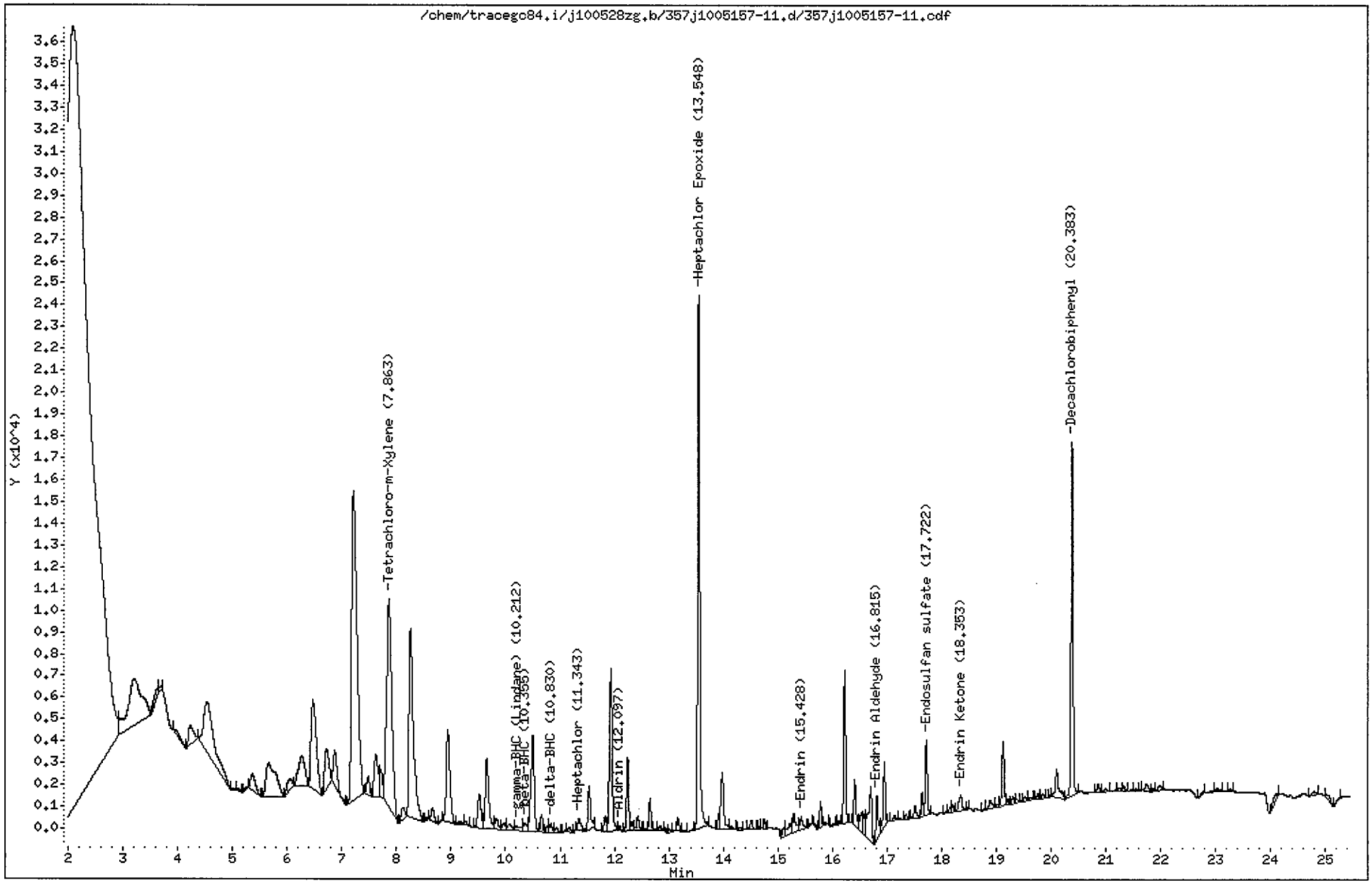
Sample Info: 1005157-11

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-11 Client Smp Id : SB65-1-2
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 23:42 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zg.b/8081A_clpestv6.m
Misc. Info : SB65-1-2

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 20(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.48			30774								
2.08			1207482								
3.21			38098								
3.63			2289								
3.67			807								
3.94			1153								
4.23			5363								
4.53			31505								
5.03			160								
5.10			438								
5.27			376								
5.37			4517								
5.67			19766								
6.07			3470								
6.26			11372								
6.47			28031								
6.72			10023								
6.87			8326								
7.21			96880								
7.48			3371								
7.63			9529								
7.71			4888								
7.86	7.77	7.91	62699	522758	Tetrachloro-m-Xylene	0.119939	24.98729		199.9*	70 - 125	R
8.12			2522								
8.26			49159								
8.56			347								
8.66			2266								
8.94			19731								
9.15			352								
9.27			406								
9.52			6765								
9.65			13942								
9.83			2200								
9.97			1392								
10.07			1419								
10.21	10.11	10.25	1414	729192	gamma-BHC (Lindane)	0.001939	0.403986	2.125000			J
10.36	10.34	10.48	1712	300532	beta-BHC	0.005693	1.186089	1.063750			

6/10/10

CompuChem

Lab Smp Id : 1005157-11 Client Smp Id : SB65-1-2
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 23:42 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg.b/8081A_clpestv6.m
Misc. Info : SB65-1-2

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 20(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
10.50		18908								
10.66		2424								
10.78		1007								
10.83	10.77 10.91	1510	689518	delta-BHC	0.002190	0.456237	2.125000			J
10.94		789								
11.09		172								
11.18		760								
11.34	11.29 11.43	2307	695465	Heptachlor	0.003317	0.691084	2.125000			J
11.54		6378								
11.83		1976								
11.93		25576								
12.10	12.01 12.15	648	636570	Aldrin	0.001016	0.211747	2.125000			J
12.24		8899								
12.32		1119								
12.43		2077								
12.58		131								
12.65		3649								
12.75		126								
12.85		620								
12.94		284								
13.02		322								
13.16		1687								
13.28		212								
13.55	13.42 13.56	66115	593700	Heptachlor Epoxide	0.111359	23.19985	2.125000			E
13.91		1279								
13.98		9943								
14.14		427								
14.31		329								
14.52		1252								
14.65		185								
14.76		843								
15.10		1436								
15.22		2302								
15.29		3337								
15.43	15.33 15.47	1963	463071	Endrin	0.004239	0.883143	4.125000			J
15.62		192								
15.68		216								

CompuChem

Lab Smp Id : 1005157-11 Client Smp Id : SB65-1-2
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 23:42 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg.b/8081A_clpestv6.m
Misc. Info : SB65-1-2

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 20(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
15.78		2671								
15.86		364								
16.01		180								
16.12		320								
16.23		17513								
16.41		6049								
16.53		2852								
16.59		2869								
16.70		10506								
16.82	16.71 16.85	5420	348470	Endrin Aldehyde	0.015551	3.239758	4.125000			J
16.95		7987								
17.14		825								
17.24		261								
17.35		627								
17.51		1970								
17.64		2526								
17.72	17.65 17.79	8532	392055	Endosulfan sulfate	0.021760	4.533271	4.125000			
18.08		155								
18.16		575								
18.20		916								
18.35	18.24 18.38	2908	457258	Endrin Ketone	0.006357	1.324473	4.125000			J
18.48		186								
18.79		196								
18.89		1744								
19.03		399								
19.13		8155								
19.21		600								
19.30		857								
19.38		443								
19.45		165								
19.53		549								
19.62		401								
19.76		693								
19.85		640								
19.98		164								
20.10		5993								
20.38	20.33 20.47	42414	408350	Decachlorobiphenyl	0.103867	21.63891		86.6	55 - 130	

CompuChem

Lab Smp Id : 1005157-11 Client Smp Id : SB65-1-2
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 23:42 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg.b/8081A_clpestv6.m
Misc. Info : SB65-1-2

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF	Dilution Factor:	1.0	Uf	GPC Unit Factor:	1
Vt	Final Volume:	5000(ul)	Vi	Injection Volume:	1(ul)
Ws	Sample Weight:	30.0(g)	M	Moisture:	20(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
20.86		1017								
20.99		431								
21.25		368								
21.33		648								
21.55		286								
21.74		1488								
21.86		419								
21.98		880								
22.77		397								
23.04		503								
23.27		371								
24.13		1817								
24.80		848								
25.02		1167								
25.25		334								

Data File: /chem/tracegc84.i/j100528zg_2C.b/357j1005157-11.d

Page 1

Date : 08-JUN-2010 23:42

Client ID: SB65-1-2

Instrument: tracegc84.i

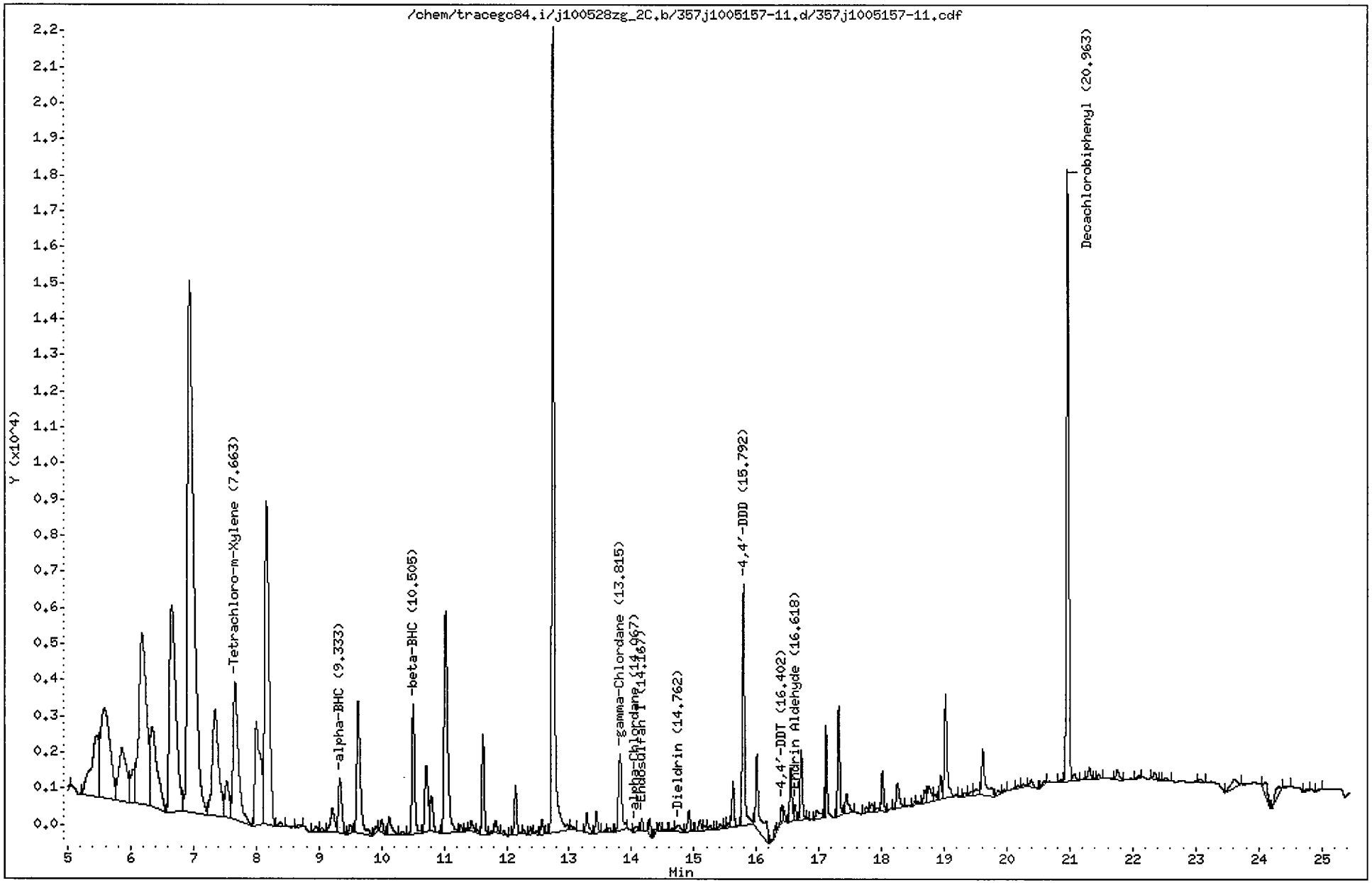
Sample Info: 1005157-11

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-11 Client Smp Id : SB65-1-2
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 23:42 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zg_2C.b/8081A_clpest2v6.m
Misc. Info : SB65-1-2

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 20(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.89			1118925								
3.00			102705								
3.27			70848								
4.13			1962								
4.80			7047								
5.02			163								
5.46			14733								
5.59			26478								
5.86			12823								
6.05			4005								
6.18			40488								
6.34			17051								
6.65			41644								
6.94			106206								
7.35			20909								
7.53			4830								
7.66	7.61	7.75	22550	416798	Tetrachloro-m-Xylene	0.054101	11.27096		90.2	70 - 125	
8.00			17377								
8.16			43060								
8.38			479								
8.69			230								
8.95			481								
9.05			321								
9.21			2733								
9.33	9.26	9.40	5637	607758	alpha-BHC	0.009275	1.932309	2.125000			J
9.51			727								
9.63			14684								
9.91			693								
10.00			1103								
10.12			2001								
10.33			292								
10.50	10.41	10.55	10643	248610	beta-BHC	0.042806	8.917917	2.125000			
10.71			6699								
10.80			3203								
11.02			23447								
11.27			424								
11.34			189								

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CompuChem

Lab Smp Id : 1005157-11 Client Smp Id : SB65-1-2
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 23:42 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg_2C.b/8081A_clpest2v6.m
Misc. Info : SB65-1-2

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 20(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.43		953								
11.53		171								
11.62		6922								
11.76		172								
11.82		862								
11.96		275								
12.14		3505								
12.28		311								
12.39		442								
12.48		279								
12.56		985								
12.74		59994								
13.04		431								
13.28		1637								
13.44		1586								
13.57		108								
13.64		368								
13.82	13.71 13.85	7840	513150	gamma-Chlordane	0.015276	3.182549	2.125000			
14.07	14.04 14.18	537	446248	alpha-Chlordane	0.001201	0.250235	2.125000			J
14.17	14.15 14.29	761	477982	Endosulfan I	0.001592	0.331689	2.125000			J
14.29		1018								
14.39		361								
14.45		503								
14.53		134								
14.66		233								
14.76	14.75 14.89	965	461929	Dieldrin	0.002087	0.434771	4.125000			J
14.92		1670								
15.10		892								
15.17		398								
15.26		352								
15.43		434								
15.50		164								
15.55		290								
15.63		2893								
15.79	15.67 15.81	16874	340626	4,4'-DDD	0.049535	10.31984	4.125000			
16.01		8553								
16.25		123								

CompuChem

Lab Smp Id : 1005157-11 Client Smp Id : SB65-1-2
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 23:42 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg_2C.b/8081A_clpest2v6.m
Misc. Info : SB65-1-2

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 20(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
16.30		475								
16.40	16.33 16.47	1230	405929	4,4'-DDT	0.003030	0.631268	4.125000			J
16.45		572								
16.55		3593								
16.62	16.59 16.73	942	316985	Endrin Aldehyde	0.002969	0.618457	4.125000			J
16.71		4475								
16.81		122								
16.97		1118								
17.11		2543								
17.32		6971								
17.43		1851								
17.76		455								
17.85		738								
17.94		334								
18.01		2584								
18.25		2255								
18.52		218								
18.58		216								
18.69		1041								
18.76		1794								
18.85		531								
18.94		1567								
19.02		8606								
19.32		388								
19.44		450								
19.51		813								
19.61		5445								
19.86		398								
19.96		195								
20.18		240								
20.27		414								
20.39		779								
20.60		276								
20.85		189								
20.96	20.90 21.04	43118	406698	Decachlorobiphenyl	0.106017	22.08695		88.3	55 - 130	
21.07		615								
21.31		909								

CompuChem

Lab Smp Id : 1005157-11 Client Smp Id : SB65-1-2
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 23:42 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg_2C.b/8081A_clpest2v6.m
Misc. Info : SB65-1-2

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 20(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
21.46		332								
21.76		980								
22.09		250								
22.34		630								
22.53		218								
23.08		295								
23.61		1668								
24.11		1301								
24.33		1486								
24.45		174								
24.76		215								
24.96		182								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB69-2-3

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 18 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.1	U
319-85-7	beta-BHC	2.1	U
319-84-6	alpha-BHC	2.1	U
319-86-8	delta-BHC	0.20	J
58-89-9	gamma-BHC (Lindane)	0.35	JP
72-54-8	4,4'-DDD	4.0	U
72-55-9	4,4'-DDE	4.0	U
50-29-3	4,4'-DDT	4.0	U
60-57-1	Dieldrin	4.0	U
959-98-8	Endosulfan I	2.1	U
33213-65-9	Endosulfan II	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
72-20-8	Endrin	4.0	U
7421-93-4	Endrin Aldehyde	4.0	U
76-44-8	Heptachlor	0.50	JP
1024-57-3	Heptachlor Epoxide	0.26	J
72-43-5	Methoxychlor	21	U
8001-35-2	Toxaphene	100	U
53494-70-5	Endrin Ketone	0.79	JP
5103-74-2	gamma-Chlordane	2.1	U
5103-71-9	alpha-Chlordane	2.1	U

FORM I PEST

Data File: /chem/tracegc84.i/j100528zg.b/355j1005157-09.d

Page 1

Date : 08-JUN-2010 22:44

Client ID: SB69-2-3

Instrument: tracegc84.i

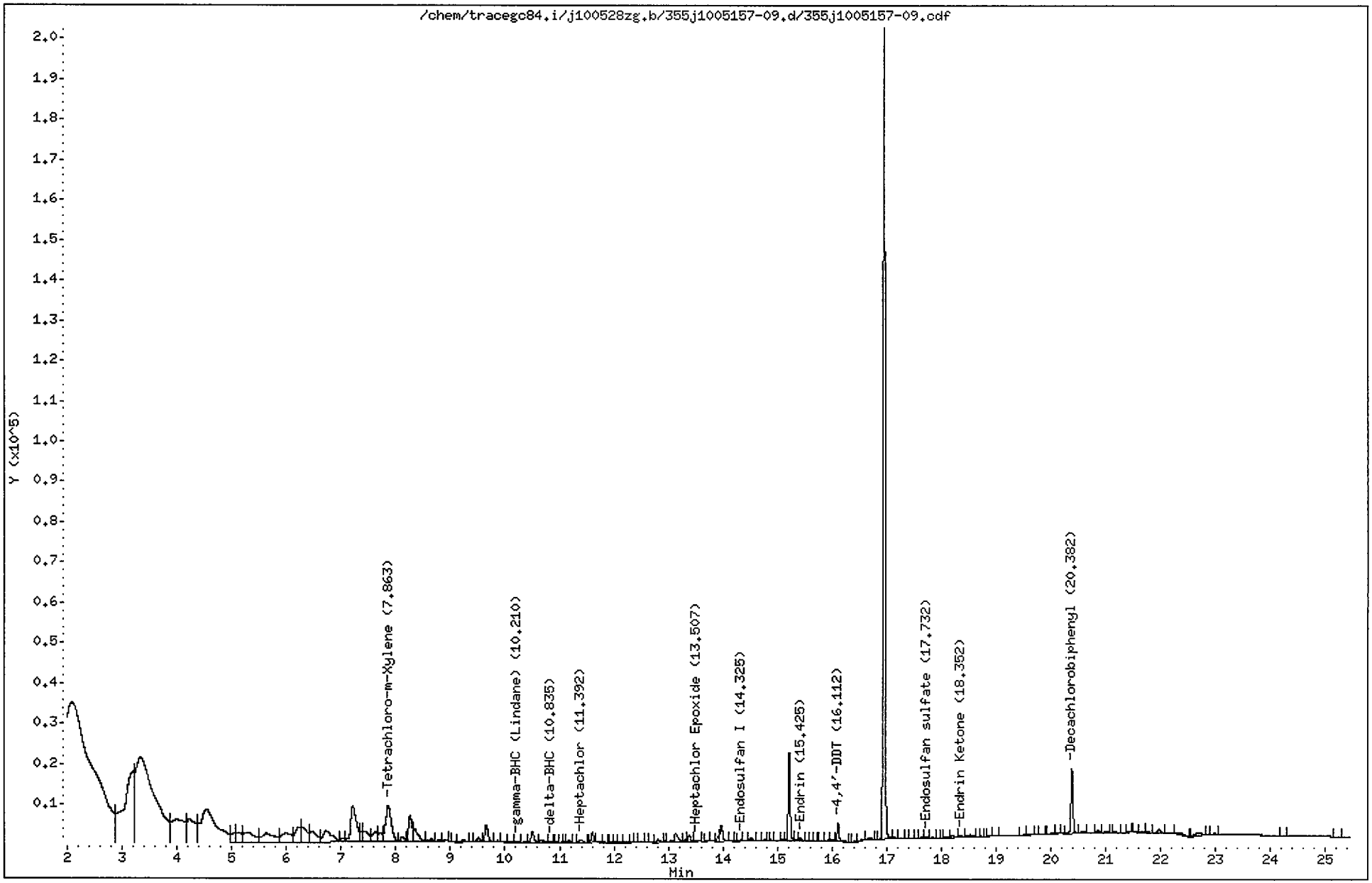
Sample Info: 1005157-09

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-09 Client Smp Id : SB69-2-3
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 22:44 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zg.b/8081A_clpestv6.m
Misc. Info : SB69-2-3

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 18(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.04			165								
1.12			2135								
1.21			1688								
1.49			66701								
2.08			1489542								
3.19			252201								
3.33			520825								
3.99			96373								
4.22			69819								
4.55			174788								
5.05			12627								
5.09			18977								
5.26			36224								
5.63			37851								
5.99			28590								
6.21			25765								
6.28			25766								
6.47			25012								
6.72			32236								
7.03			4214								
7.21			66034								
7.36			7293								
7.43			18502								
7.63			15396								
7.71			10054								
7.86	7.77	7.91	63795	522758	Tetrachloro-m-Xylene	0.122034	24.80359		203.4*	70 - 125	R
8.12			5226								
8.26			28651								
8.35			16514								
8.66			2671								
8.80			822								
8.89			962								
9.05			207								
9.25			2116								
9.52			4441								
9.65			16636								
9.86			1478								

CompuChem

Lab Smp Id : 1005157-09 Client Smp Id : SB69-2-3
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 22:44 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg.b/8081A_clpestv6.m
Misc. Info : SB69-2-3

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 18(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
9.96		1025								
10.08		498								
10.21	10.11 10.25	1240	729192	gamma-BHC (Lindane)	0.001701	0.345632	2.073171			J
10.35		566								
10.51		9669								
10.67		2910								
10.84	10.77 10.91	1013	689518	delta-BHC	0.001469	0.298606	2.073171			J
10.95		1120								
11.08		425								
11.17		1908								
11.39	11.29 11.43	3811	695465	Heptachlor	0.005478	1.113486	2.073171			J
11.61		7793								
11.74		746								
11.81		414								
11.94		237								
12.01		267								
12.10		566								
12.20		538								
12.33		636								
12.39		191								
12.51		794								
12.60		160								
12.68		586								
12.81		2505								
12.94		328								
13.13		8532								
13.31		1045								
13.38		4004								
13.51	13.42 13.56	1078	593700	Heptachlor Epoxide	0.001816	0.369051	2.073171			J
13.71		349								
13.91		2362								
13.97		14473								
14.16		700								
14.32	14.29 14.43	738	548162	Endosulfan I	0.001346	0.273641	2.073171			J
14.42		479								
14.53		2198								
14.77		732								

CompuChem

Lab Smp Id : 1005157-09 Client Smp Id : SB69-2-3
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 22:44 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg.b/8081A_clpestv6.m
Misc. Info : SB69-2-3

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 18(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
14.88		267								
14.98		546								
15.11		863								
15.22		52465								
15.32		1105								
15.42	15.33 15.47	1474	463071	Endrin	0.003183	0.646971	4.024390			J
15.63		194								
15.69		484								
15.82		227								
15.94		184								
16.11	16.08 16.22	11480	454781	4,4'-DDT	0.025243	5.130672	4.024390			
16.42		421								
16.57		929								
16.68		2579								
16.83		202								
16.95		462972								
17.14		1284								
17.25		833								
17.36		166								
17.52		298								
17.64		909								
17.73	17.65 17.79	1298	392055	Endosulfan sulfate	0.003311	0.672919	4.024390			J
17.85		729								
18.01		125								
18.07		679								
18.20		1722								
18.35	18.24 18.38	1772	457258	Endrin Ketone	0.003875	0.787658	4.024390			J
18.52		2851								
18.72		264								
18.89		194								
19.03		305								
19.53		616								
19.64		707								
19.84		353								
20.05		726								
20.13		404								
20.38	20.33 20.47	43868	408350	Decachlorobiphenyl	0.107425	21.83435		89.5	55 - 130	

CompuChem

Lab Smp Id : 1005157-09 Client Smp Id : SB69-2-3
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 22:44 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg.b/8081A_clpestv6.m
Misc. Info : SB69-2-3

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 18(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
20.57		2024								
20.86		1435								
20.99		909								
21.17		408								
21.44		267								
21.54		340								
21.69		647								
21.78		969								
21.97		3523								
22.30		3438								
22.67		5330								
22.99		354								
24.23		264								
25.27		338								

Data File: /chem/tracegc84.i/j100528zg_2C.b/355j1005157-09.d

Page 1

Date : 08-JUN-2010 22:44

Client ID: SB69-2-3

Instrument: tracegc84.i

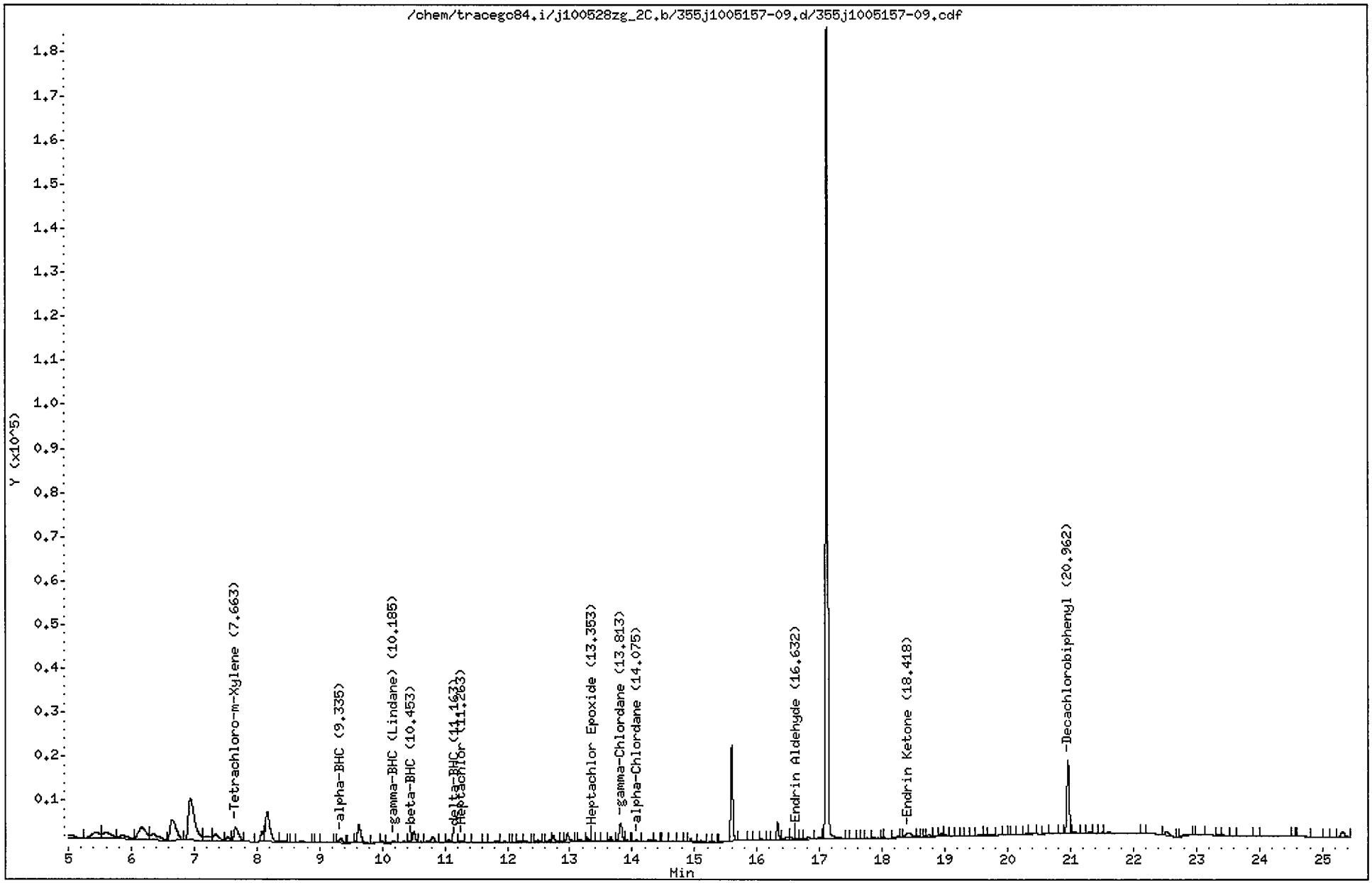
Sample Info: 1005157-09

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-09 Client Smp Id : SB69-2-3
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 22:44 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zg_2C.b/8081A_clpest2v6.m
Misc. Info : SB69-2-3

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 18(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.10			449								
1.23			132								
1.24			116								
1.89			71896								
2.94			25077								
3.56			422								
4.12			24447								
4.79			3547								
5.03			5488								
5.43			12493								
5.61			12679								
5.85			7927								
6.17			22814								
6.34			10393								
6.65			31703								
6.94			66808								
7.18			6772								
7.35			9581								
7.54			3508								
7.66	7.61	7.75	15843	416798	Tetrachloro-m-Xylene	0.038011	7.725867		63.4*	70 - 125	R
7.83			664								
8.08			7399								
8.16			33198								
8.39			542								
8.54			185								
8.70			2012								
8.95			261								
9.09			645								
9.34	9.26	9.40	3341	607758	alpha-BHC	0.005496	1.116995	2.073171			J
9.50			339								
9.63			15732								
9.91			751								
10.00			850								
10.18	10.17	10.31	2357	585542	gamma-BHC (Lindane)	0.004025	0.818156	2.073171			J
10.34			945								
10.45	10.41	10.55	857	248610	beta-BHC	0.003443	0.699826	2.073171			J
10.51			7155								

6/10/10

CompuChem

Lab Smp Id : 1005157-09 Client Smp Id : SB69-2-3
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 22:44 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg_2C.b/8081A_clpest2v6.m
Misc. Info : SB69-2-3

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 18(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
10.62		405								
10.80		5778								
10.94		514								
11.06		1929								
11.16	11.11 11.25	557	551235	delta-BHC	0.001010	0.205378	2.073171			J
11.26	11.22 11.36	1431	579497	Heptachlor	0.002468	0.501556	2.073171			J
11.35		365								
11.53		856								
11.83		1539								
11.96		700								
12.14		178								
12.21		1156								
12.28		829								
12.49		1203								
12.67		1372								
12.74		4152								
12.86		369								
12.96		6312								
13.10		631								
13.18		1813								
13.28		2506								
13.35	13.29 13.43	660	511912	Heptachlor Epoxide	0.001287	0.261652	2.073171			JM2
13.44		657								
13.57		680								
13.65		2808								
13.81	13.71 13.85	13323	513150	gamma-Chlordane	0.025963	5.277067	2.073171			
13.89		925								
14.08	14.04 14.18	909	446248	alpha-Chlordane	0.002035	0.413566	2.073171			J
14.29		1793								
14.37		616								
14.51		254								
14.65		457								
14.75		274								
14.94		1654								
15.10		1233								
15.25		677								
15.31		320								

6/10/10

CompuChem

Lab Smp Id : 1005157-09 Client Smp Id : SB69-2-3
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 22:44 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg_2C.b/8081A_clpest2v6.m
Misc. Info : SB69-2-3

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 18(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
15.59		48681								
15.86		267								
16.02		619								
16.07		806								
16.18		483								
16.33		9722								
16.48		3045								
16.54		1485								
16.63	16.59 16.73	874	316985	Endrin Aldehyde	0.002754	0.559771	4.024390			J
16.70		494								
16.82		2741								
17.00		1682								
17.11		413347								
17.45		161								
17.61		172								
17.76		249								
17.87		777								
18.01		405								
18.25		752								
18.32		211								
18.42	18.30 18.44	5094	419519	Endrin Ketone	0.012140	2.467500	4.024390			J
18.58		109								
18.68		149								
18.74		1498								
18.86		315								
18.94		1836								
19.00		1250								
19.11		406								
19.19		312								
19.27		227								
19.35		205								
19.43		182								
19.54		483								
19.63		198								
19.72		812								
19.87		364								
19.96		203								

CompuChem

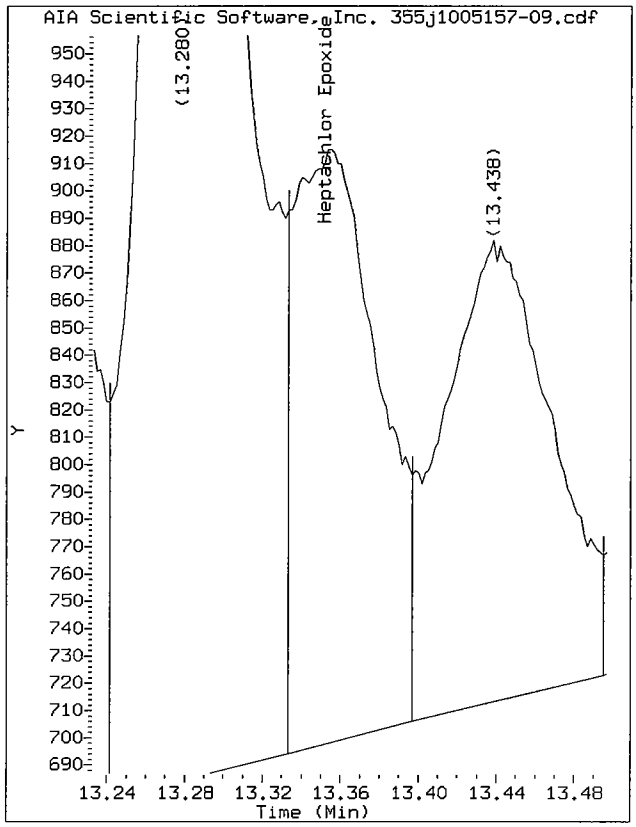
Lab Smp Id : 1005157-09 Client Smp Id : SB69-2-3
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 22:44 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg_2C.b/8081A_clpest2v6.m
Misc. Info : SB69-2-3

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 18(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
20.10		214								
20.24		384								
20.30		351								
20.40		626								
20.60		384								
20.86		283								
20.96	20.90 21.04	41717	406698	Decachlorobiphenyl	0.102575	20.84858		85.5	55 - 130	
21.07		674								
21.31		1057								
21.39		124								
21.46		305								
22.17		220								
22.53		3776								
22.86		2138								
23.09		242								
23.35		119								
23.57		185								
23.93		99								
24.52		114								
24.66		866								
25.05		177								
25.32		4834								

Manually Integrated Peaks



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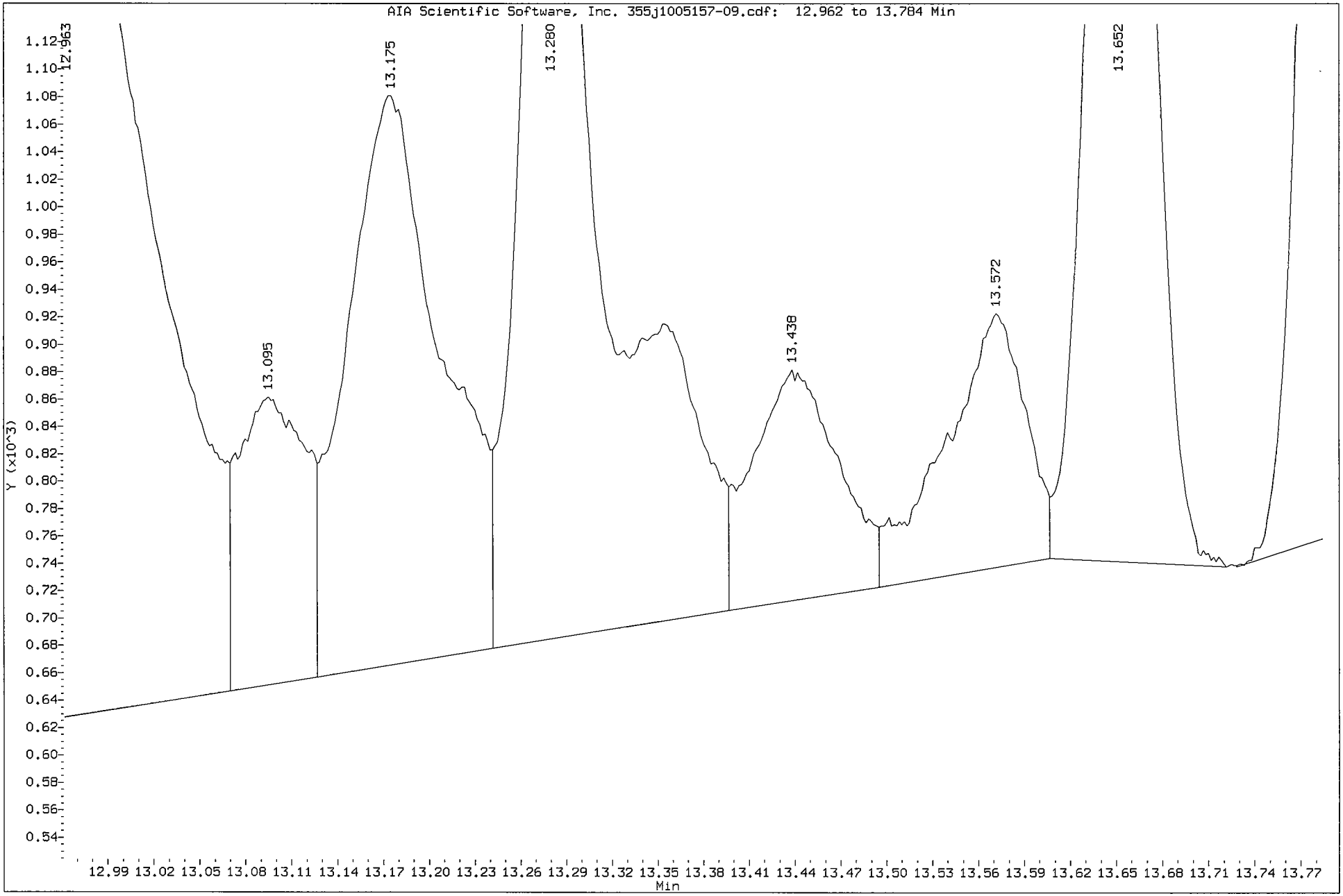
Injection Date: 08-JUN-2010 22:44
Instrument: tracegc84.i
Client Sample ID: SB69-2-3



1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB70-1-2

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 11 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.9	U
319-85-7	beta-BHC	0.89	J
319-84-6	alpha-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
72-54-8	4,4'-DDD	3.7	U
72-55-9	4,4'-DDE	3.7	U
50-29-3	4,4'-DDT	3.7	U
60-57-1	Dieldrin	3.7	U
959-98-8	Endosulfan I	1.9	U
33213-65-9	Endosulfan II	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
72-20-8	Endrin	3.7	U
7421-93-4	Endrin Aldehyde	3.7	U
76-44-8	Heptachlor	1.9	U
1024-57-3	Heptachlor Epoxide	1.9	U
72-43-5	Methoxychlor	19	U
8001-35-2	Toxaphene	93	U
53494-70-5	Endrin Ketone	0.41	J
5103-74-2	gamma-Chlordane	1.9	U
5103-71-9	alpha-Chlordane	1.9	U

Data File: /chem/tracegc84.i/j100528zg.b/353j1005157-07.d

Page 1

Date : 08-JUN-2010 21:47

Client ID: SB70-1-2

Instrument: tracegc84.i

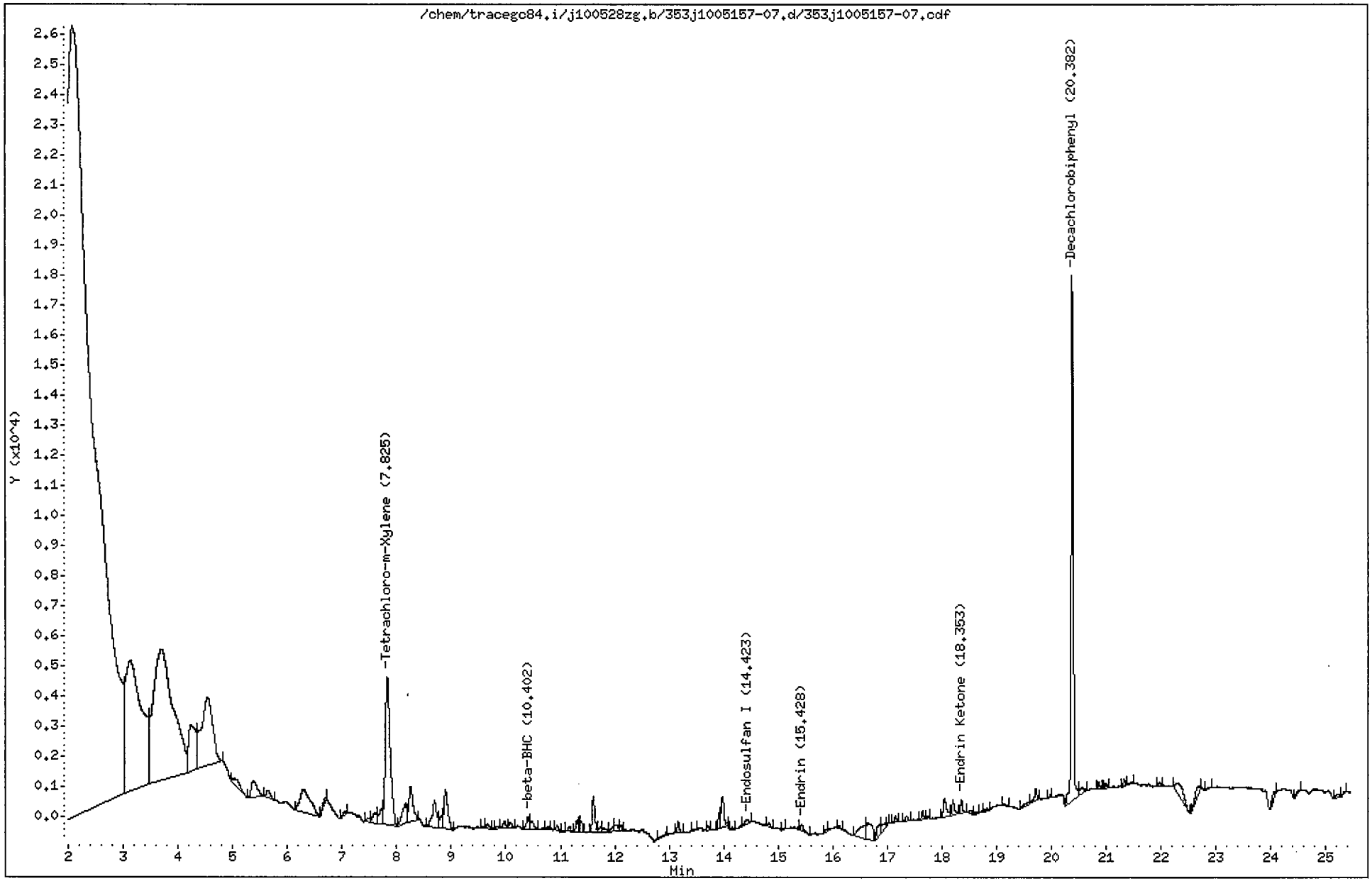
Sample Info: 1005157-07

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-07 Client Smp Id : SB70-1-2
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 21:47 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zg.b/8081A_clpestv6.m
Misc. Info : SB70-1-2

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 11(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.48		27788								
2.08		1090943								
3.13		91285								
3.70		108860								
4.23		14033								
4.54		33335								
5.03		2077								
5.37		4350								
5.64		1211								
6.28		9846								
6.69		622								
7.05		488								
7.49		565								
7.61		1961								
7.74		2300								
7.82	7.77 7.91	30448	522758	Tetrachloro-m-Xylene	0.058245	10.90730		97.1	70 - 125	
8.15		3997								
8.26		5999								
8.69		5176								
8.81		1369								
8.89		6619								
9.61		146								
9.66		494								
9.84		285								
9.97		854								
10.08		689								
10.40	10.34 10.48	1431	300532	beta-BHC	0.004758	0.891053	0.956180			J
10.48		1252								
10.77		239								
10.95		544								
11.17		571								
11.30		1185								
11.36		590								
11.39		906								
11.61		3998								
11.73		587								
11.81		573								

6/10/10

CompuChem

Lab Smp Id : 1005157-07 Client Smp Id : SB70-1-2
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 21:47 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg.b/8081A_clpestv6.m
Misc. Info : SB70-1-2

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 11(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.97		505								
12.02		1038								
12.12		550								
12.94		497								
13.17		981								
13.45		173								
13.71		361								
13.91		1230								
13.98		4046								
14.16		203								
14.42	14.29 14.43	877	548162	Endosulfan I	0.001598	0.299263	1.910112			J
14.82		369								
15.12		126								
15.43	15.33 15.47	995	463071	Endrin	0.002149	0.402378	3.707865			J
15.87		186								
16.12		187								
16.57		3370								
16.65		4618								
16.87		1947								
16.95		1082								
17.03		140								
17.15		511								
17.35		523								
17.64		676								
17.73		205								
18.05		2659								
18.20		1584								
18.35	18.24 18.38	1288	457258	Endrin Ketone	0.002817	0.527489	3.707865			J
18.51		530								
18.66		210								
18.82		339								
19.14		225								
19.59		673								
19.71		1352								
19.98		217								
20.38	20.33 20.47	47579	408350	Decachlorobiphenyl	0.116515	21.81933		97.1	55 - 130	
20.57		956								

CompuChem

Lab Smp Id : 1005157-07 Client Smp Id : SB70-1-2
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 21:47 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg.b/8081A_clpestv6.m
Misc. Info : SB70-1-2

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 11(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
20.86		570								
20.99		463								
21.33		535								
21.45		212								
21.98		388								
22.29		4081								
22.68		1479								
22.89		165								
24.08		684								
24.54		407								
25.21		444								
25.35		204								

Data File: /chem/tracegc84.i/j100528zg_2C.b/353j1005157-07.d

Page 1

Date : 08-JUN-2010 21:47

Client ID: SB70-1-2

Instrument: tracegc84.i

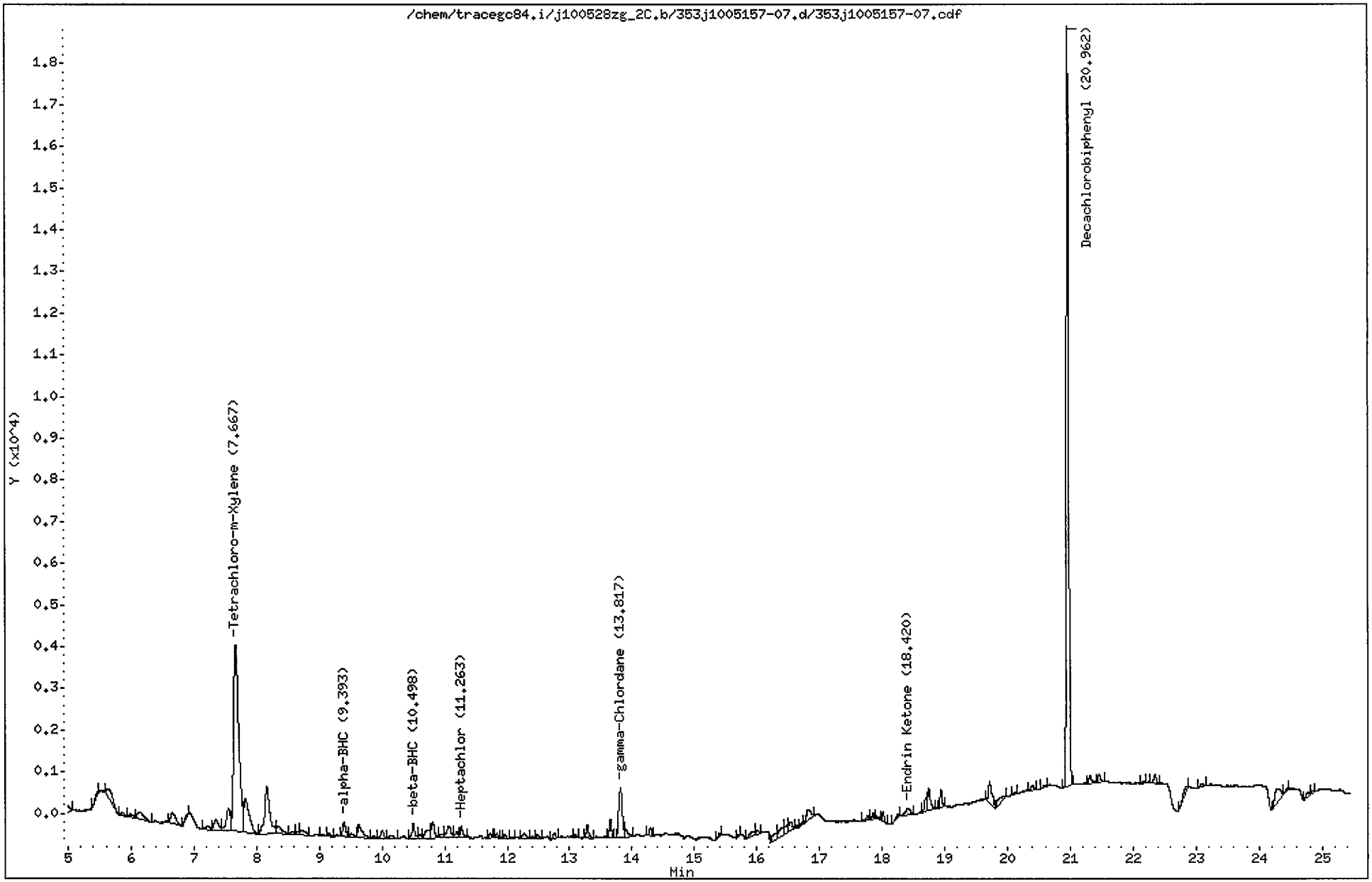
Sample Info: 1005157-07

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-07 Client Smp Id : SB70-1-2
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 21:47 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zg_2C.b/8081A_clpest2v6.m
Misc. Info : SB70-1-2

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 11(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.90			968156								
3.02			89672								
3.28			102802								
3.94			12122								
4.13			49143								
4.81			9870								
5.47			263								
5.64			1705								
5.86			334								
6.00			242								
6.14			1252								
6.66			1452								
6.91			312								
7.22			390								
7.34			1370								
7.55			2525								
7.67	7.61	7.75	25547	416798	Tetrachloro-m-Xylene	0.061291	11.47774		102.2	70 - 125	
7.82			4704								
8.16			6614								
8.35			971								
8.55			278								
8.65			202								
8.73			674								
9.05			143								
9.16			281								
9.39	9.26	9.40	1154	607758	alpha-BHC	0.001897	0.355269	1.910112			J
9.52			292								
9.63			1547								
9.88			188								
10.01			688								
10.13			424								
10.50	10.41	10.55	1238	248610	beta-BHC	0.004976	0.931772	1.910112			J
10.62			263								
10.73			1066								
10.81			1484								
10.95			288								
11.07			1343								

6/10/10

CompuChem

Lab Smp Id : 1005157-07 Client Smp Id : SB70-1-2
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 21:47 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg_2C.b/8081A_clpest2v6.m
Misc. Info : SB70-1-2

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 11(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.19		445								
11.26	11.22 11.36	687	579497	Heptachlor	0.001186	0.222006	1.910112			J
11.72		275								
11.83		242								
11.96		245								
12.06		99								
12.28		555								
12.40		168								
12.48		271								
12.76		427								
13.09		112								
13.28		895								
13.65		1047								
13.82	13.71 13.85	4643	513150	gamma-Chlordane	0.009046	1.694024	1.910112			JM2
13.89		657								
14.29		441								
15.40		156								
15.72		99								
15.94		661								
16.01		276								
16.30		742								
16.40		1046								
16.48		766								
16.54		735								
16.64		100								
16.71		145								
16.83		1285								
17.77		260								
17.85		307								
17.92		195								
18.01		543								
18.25		275								
18.42	18.30 18.44	929	419519	Endrin Ketone	0.002214	0.414690	3.707865			J
18.69		694								
18.75		1558								
18.94		951								
19.71		2019								

CompuChem

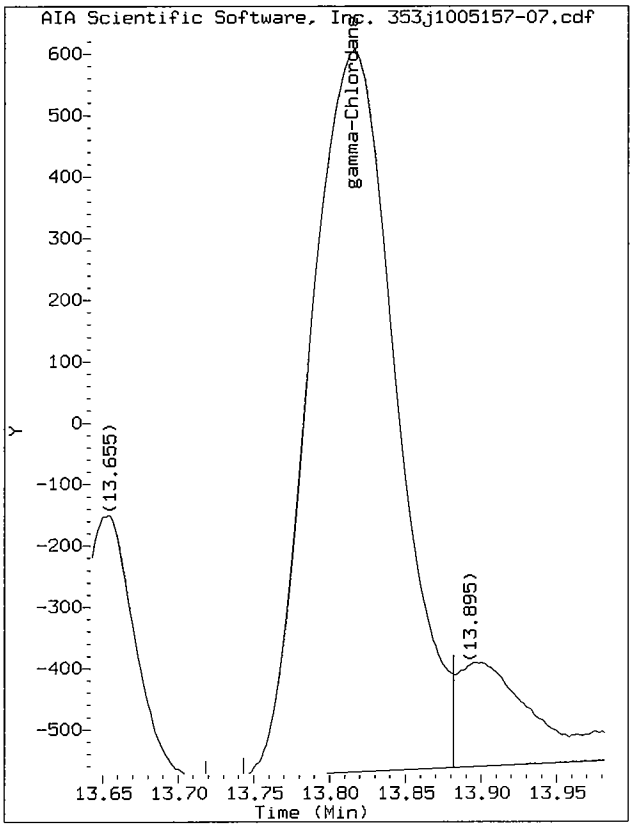
Lab Smp Id : 1005157-07 Client Smp Id : SB70-1-2
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 21:47 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg_2C.b/8081A_clpest2v6.m
Misc. Info : SB70-1-2

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 11(%)

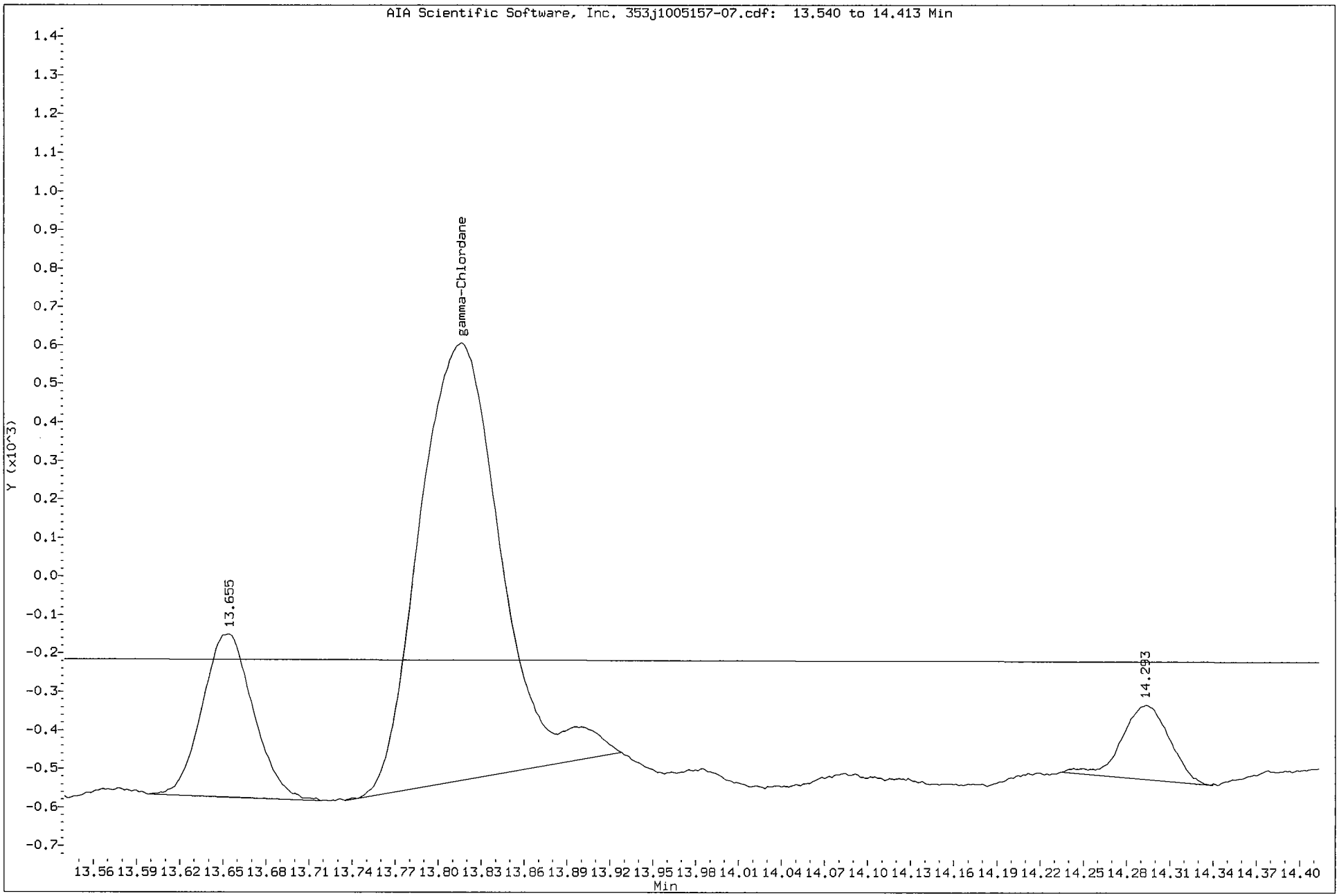
RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
19.98		979								
20.12		160								
20.39		290								
20.59		116								
20.96	20.90 21.04	45409	406698	Decachlorobiphenyl	0.111651	20.90834		93.0	55 - 130	
21.31		534								
21.45		472								
22.16		121								
22.34		538								
22.85		849								
23.09		180								
24.30		2245								
24.46		137								
24.77		431								
24.86		183								

Manually Integrated Peaks



Start: 13.74 Stop: 13.88

Data File: /chem/tracegc84.i/j100528zg_2C.b/353j1005157-07.d/353j1005157-07.cdf
Injection Date: 08-JUN-2010 21:47
Instrument: tracegc84.i
Client Sample ID: SB70-1-2



1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB82-2-3

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-17

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	2.0	U
319-84-6	alpha-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
72-54-8	4,4'-DDD	3.8	U
72-55-9	4,4'-DDE	3.8	U
50-29-3	4,4'-DDT	3.8	U
60-57-1	Dieldrin	3.8	U
959-98-8	Endosulfan I	2.0	U
33213-65-9	Endosulfan II	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
72-20-8	Endrin	3.8	U
7421-93-4	Endrin Aldehyde	3.8	U
76-44-8	Heptachlor	0.34	JP
1024-57-3	Heptachlor Epoxide	2.0	U
72-43-5	Methoxychlor	20	U
8001-35-2	Toxaphene	97	U
53494-70-5	Endrin Ketone	3.8	U
5103-74-2	gamma-Chlordane	2.0	U
5103-71-9	alpha-Chlordane	2.0	U

Data File: /chem/tracegc84.i/j100528zh.b/367j1005157-17.d

Page 1

Date : 09-JUN-2010 04:31

Client ID: SB82-2-3

Instrument: tracegc84.i

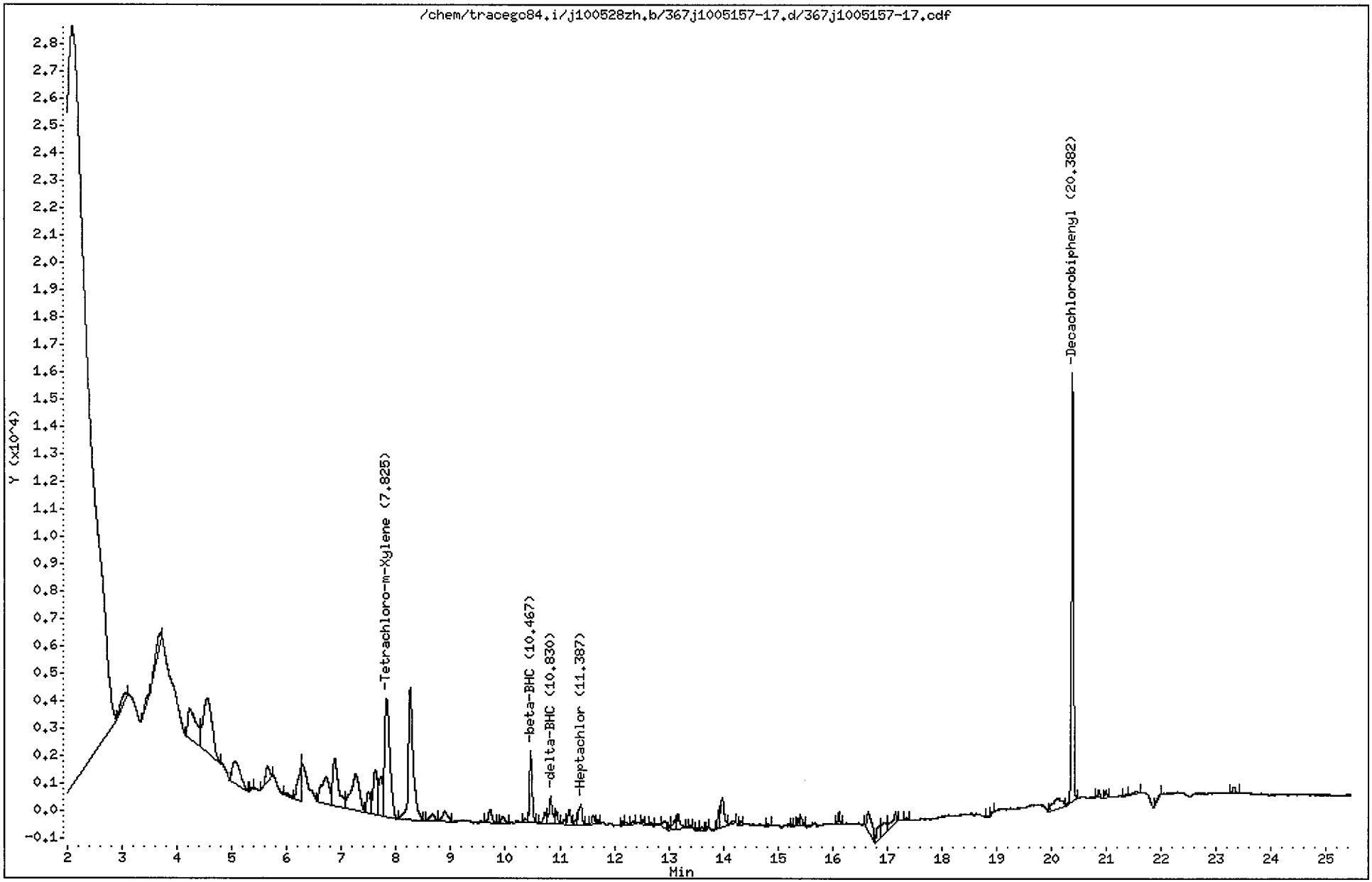
Sample Info: 1005157-17

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-17 Client Smp Id : SB82-2-3
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 04:31 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zh.b/8081A_clpestv6.m
Misc. Info : SB82-2-3

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.47		28147								
2.08		914514								
3.05		1894								
3.49		1155								
3.68		4938								
4.23		11852								
4.56		22972								
5.05		8284								
5.36		159								
5.65		2916								
6.00		653								
6.28		6357								
6.72		9985								
6.88		13326								
7.25		14277								
7.49		3862								
7.62		9368								
7.72		6341								
7.82	7.77 7.91	29429	522758	Tetrachloro-m-Xylene	0.056294	10.90965		93.8	70 - 125	
8.26		29888								
8.66		1505								
8.89		2604								
9.71		2178								
9.96		977								
10.36		458								
10.47	10.34 10.48	8532	300532	beta-BHC	0.028390	5.501862	0.989535			
10.73		1495								
10.83	10.77 10.91	4343	689518	delta-BHC	0.006297	1.220379	1.976744			J
10.95		1353								
11.08		689								
11.17		1919								
11.29		443								
11.39	11.29 11.43	3336	695465	Heptachlor	0.004795	0.929332	1.976744			J
11.62		1210								
11.70		368								
12.15		388								
12.21		427								

6/10/10

CompuChem

Lab Smp Id : 1005157-17 Client Smp Id : SB82-2-3
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 04:31 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zh.b/8081A_clpestv6.m
Misc. Info : SB82-2-3

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.34		368								
12.53		456								
12.69		269								
12.93		1087								
13.02		361								
13.11		1327								
13.17		1930								
13.40		220								
13.53		193								
13.61		438								
13.71		262								
13.91		1524								
13.98		4901								
14.17		606								
14.33		325								
14.82		184								
15.27		150								
15.30		134								
15.37		631								
15.43		1008								
16.12		925								
16.65		4588								
16.87		2372								
16.96		2472								
17.15		2424								
17.36		269								
18.84		168								
18.94		162								
20.12		4470								
20.38	20.33 20.47	40051	408350	Decachlorobiphenyl	0.098080	19.00777		81.7	55 - 130	
20.87		805								
20.99		723								
21.36		196								
21.54		556								
22.00		514								
23.32		914								

Data File: /chem/tracegc84.i/j100528zh_2C.b/367j1005157-17.d

Date : 09-JUN-2010 04:31

Client ID: SB82-2-3

Instrument: tracegc84.i

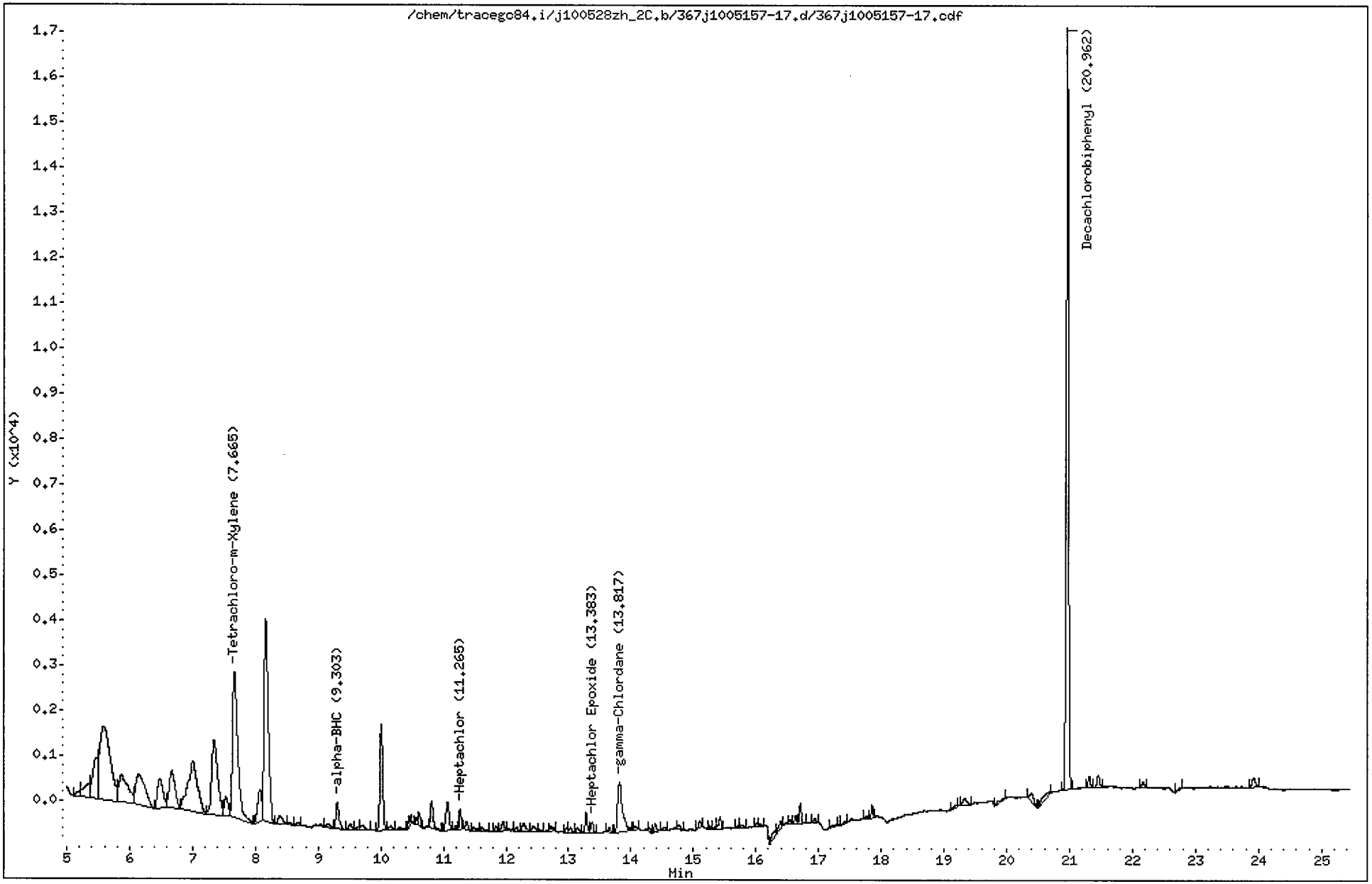
Sample Info: 1005157-17

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



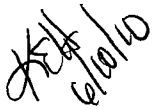
CompuChem

Lab Smp Id : 1005157-17 Client Smp Id : SB82-2-3
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 04:31 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zh_2C.b/8081A_clpest2v6.m
Misc. Info : SB82-2-3

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.90			918816								
2.86			6869								
3.00			48289								
3.21			34545								
3.27			22896								
3.42			119784								
4.13			32722								
4.79			634								
5.22			605								
5.34			1938								
5.47			5114								
5.58			19233								
5.87			6151								
6.14			7162								
6.48			4028								
6.67			5565								
7.00			12018								
7.34			10944								
7.53			1745								
7.66	7.61	7.75	19070	416798	Tetrachloro-m-Xylene	0.045754	8.866983		76.3	70 - 125	
8.07			2956								
8.16			20942								
8.39			911								
8.54			209								
8.68			270								
9.15			393								
9.30	9.26	9.40	2075	607758	alpha-BHC	0.003414	0.661665	1.976744			J
9.51			459								
9.63			111								
9.70			481								
10.00			7117								
10.16			344								
10.31			350								
10.45			491								
10.56			317								
10.62			675								
10.70			126								



CompuChem

Lab Smp Id : 1005157-17 Client Smp Id : SB82-2-3
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 04:31 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zh_2C.b/8081A_clpest2v6.m
Misc. Info : SB82-2-3

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
10.81		1960								
11.07		2297								
11.20		193								
11.26	11.22 11.36	1012	579497	Heptachlor	0.001746	0.338438	1.976744			J
11.37		554								
11.48		278								
11.61		250								
11.84		321								
11.96		649								
12.17		303								
12.29		813								
12.44		587								
12.53		215								
12.71		375								
12.97		254								
13.03		413								
13.14		352								
13.28		1221								
13.38	13.29 13.43	812	511912	Heptachlor Epoxide	0.001586	0.307405	1.976744			J
13.65		282								
13.82	13.71 13.85	6116	513150	gamma-Chlordane	0.011917	2.309417	1.976744			
14.07		244								
14.29		157								
14.38		578								
14.53		227								
14.77		354								
15.10		376								
15.26		167								
15.34		125								
15.43		690								
15.71		144								
15.79		236								
16.02		158								
16.07		100								
16.31		647								
16.39		669								
16.55		214								

CompuChem

Lab Smp Id : 1005157-17 Client Smp Id : SB82-2-3
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 04:31 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zh_2C.b/8081A_clpest2v6.m
Misc. Info : SB82-2-3

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
16.63		366								
16.71		904								
16.93		220								
17.28		158								
17.42		94								
17.77		131								
17.85		525								
19.20		169								
19.34		563								
19.97		299								
20.39		700								
20.68		964								
20.96	20.90 21.04	42025	406698	Decachlorobiphenyl	0.103332	20.02565		86.1	55 - 130	
21.31		613								
21.45		809								
22.17		406								
22.77		134								
23.93		734								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB82D-2-3

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-18

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	0.44	JP
319-84-6	alpha-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
72-54-8	4,4'-DDD	3.8	U
72-55-9	4,4'-DDE	3.8	U
50-29-3	4,4'-DDT	0.81	JP
60-57-1	Dieldrin	3.8	U
959-98-8	Endosulfan I	2.0	U
33213-65-9	Endosulfan II	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
72-20-8	Endrin	3.8	U
7421-93-4	Endrin Aldehyde	3.8	U
76-44-8	Heptachlor	0.36	J
1024-57-3	Heptachlor Epoxide	2.0	U
72-43-5	Methoxychlor	20	U
8001-35-2	Toxaphene	97	U
53494-70-5	Endrin Ketone	3.8	U
5103-74-2	gamma-Chlordane	2.0	U
5103-71-9	alpha-Chlordane	2.0	U

Data File: /chem/tracegc84.i/j100528zh.b/368j1005157-18.d

Date : 09-JUN-2010 05:00

Client ID: SB82D-2-3

Instrument: tracegc84.i

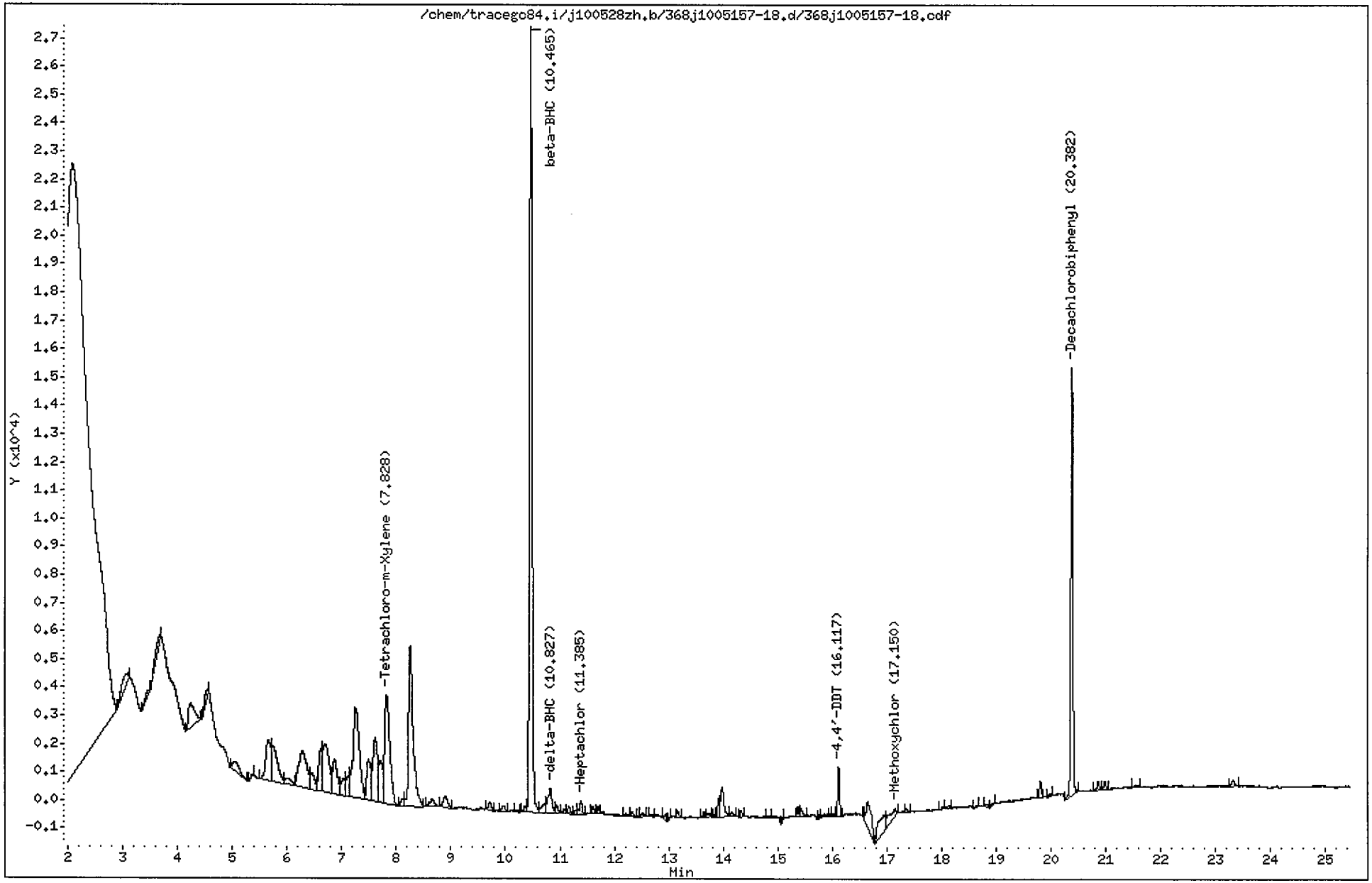
Sample Info: 1005157-18

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-18 Client Smp Id : SB82D-2-3
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 05:00 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zh.b/8081A_clpestv6.m
Misc. Info : SB82D-2-3

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.47		41470								
2.08		735113								
3.08		3788								
3.47		853								
3.67		2735								
4.24		6712								
4.55		1171								
5.03		2874								
5.37		273								
5.66		9611								
5.73		9518								
6.01		1817								
6.27		13347								
6.45		3316								
6.62		6489								
6.70		13665								
6.87		7526								
7.03		2827								
7.13		3014								
7.25		26271								
7.49		7736								
7.61		13273								
7.71		6882								
7.83	7.77 7.91	26313	522758	Tetrachloro-m-Xylene	0.050335	9.754845		83.9	70 - 125	
8.11		1141								
8.26		33335								
8.66		1511								
8.89		2477								
9.71		1099								
9.96		920								
10.21		224								
10.35		688								
10.46	10.34 10.48	90389	300532	beta-BHC	0.300763	58.28737	0.989535			E
10.72		1725								
10.83	10.77 10.91	4664	689518	delta-BHC	0.006764	1.310882	1.976744			J
10.94		923								
11.09		475								

6/10/10

CompuChem

Lab Smp Id : 1005157-18 Client Smp Id : SB82D-2-3
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 05:00 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zh.b/8081A_clpestv6.m
Misc. Info : SB82D-2-3

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.17		861								
11.28		404								
11.38	11.29 11.43	1767	695465	Heptachlor	0.002539	0.492114	1.976744			J
11.61		733								
11.70		549								
12.20		209								
12.33		560								
12.52		455								
12.69		262								
12.94		350								
13.02		143								
13.16		611								
13.64		368								
13.71		503								
13.84		209								
13.91		1573								
13.98		4596								
14.15		483								
14.33		542								
14.81		180								
15.11		121								
15.37		776								
15.43		831								
15.75		209								
15.94		146								
16.12	16.08 16.22	4167	454781	4,4'-DDT	0.009163	1.775707	3.837209			J
16.57		201								
16.65		6592								
16.95		6009								
17.15	17.11 17.25	3141	194359	Methoxychlor	0.016161	3.131941	19.76744			J
17.36		342								
18.02		179								
18.13		338								
18.65		174								
18.83		407								
18.94		259								
19.80		1428								

CompuChem

Lab Smp Id : 1005157-18 Client Smp Id : SB82D-2-3
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 05:00 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zh.b/8081A_clpestv6.m
Misc. Info : SB82D-2-3

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
19.98		230								
20.38	20.33 20.47	39258	408350	Decachlorobiphenyl	0.096138	18.63142		80.1	55 - 130	
20.86		889								
20.98		860								
21.55		292								
23.32		764								

Data File: /chem/tracegc84.i/j100528zh_2C.b/368j1005157-18.d

Date : 09-JUN-2010 05:00

Client ID: SB82D-2-3

Instrument: tracegc84.i

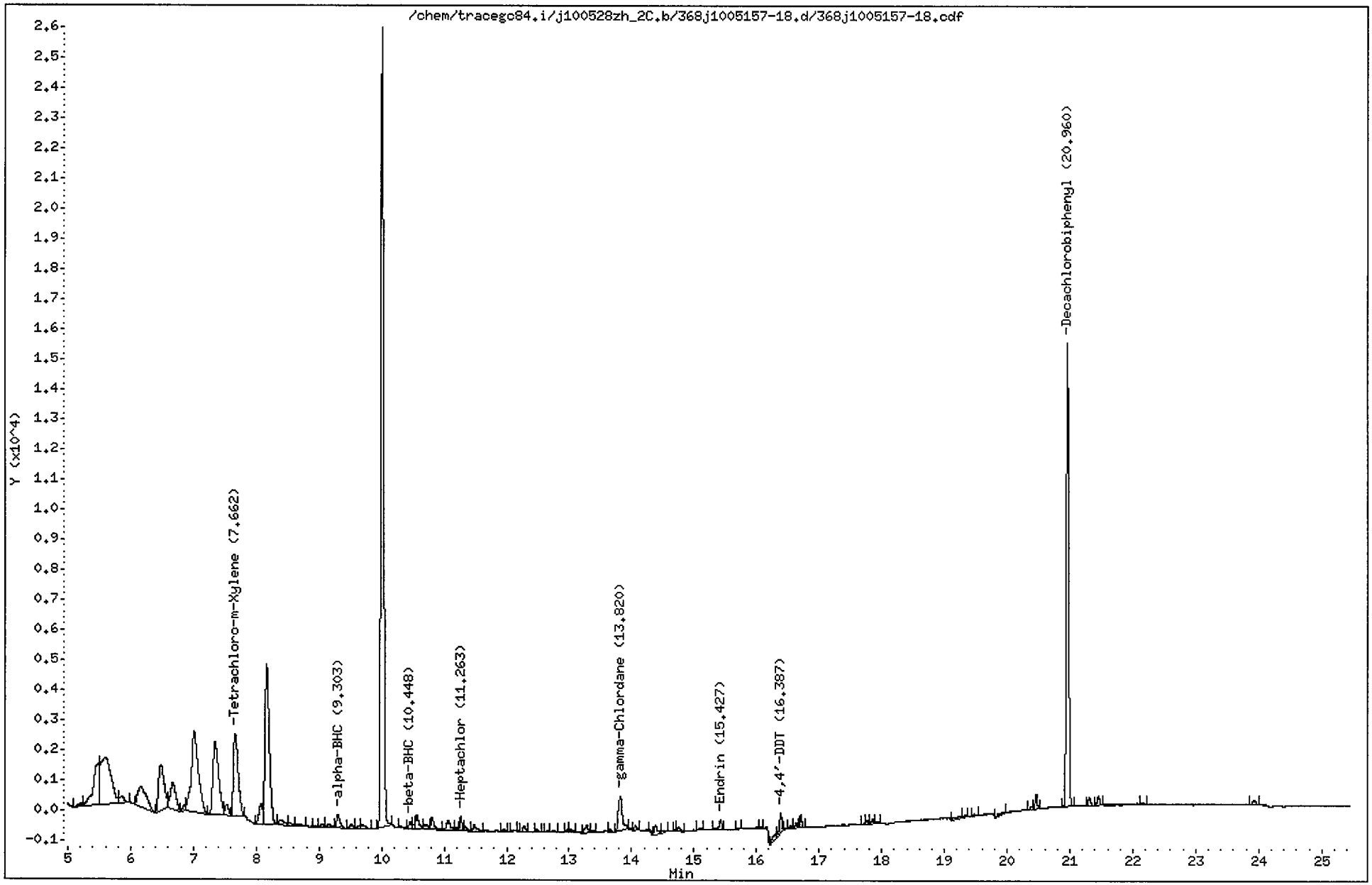
Sample Info: 1005157-18

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-18 Client Smp Id : SB82D-2-3
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 05:00 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zh_2C.b/8081A_clpest2v6.m
Misc. Info : SB82D-2-3

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.90			625274								
2.68			1790								
2.71			4194								
2.99			2337								
3.20			700								
3.27			1087								
3.39			225								
4.13			15267								
4.79			241								
5.22			598								
5.48			9378								
5.61			18363								
5.86			1075								
6.15			6590								
6.48			9696								
6.67			5307								
6.86			413								
7.01			21104								
7.34			15254								
7.53			1257								
7.66	7.61	7.75	14520	416798	Tetrachloro-m-Xylene	0.034837	6.751368		58.1*	70 - 125	R
8.07			2612								
8.16			25519								
8.39			1039								
8.54			348								
8.69			335								
8.94			169								
9.05			333								
9.15			528								
9.30	9.26	9.40	1688	607758	alpha-BHC	0.002776	0.537942	1.976744			J
9.51			476								
9.63			290								
9.70			664								
10.00			79705								
10.30			209								
10.45	10.41	10.55	564	248610	beta-BHC	0.002265	0.438874	1.976744			J
10.51			313								

6/10/10

CompuChem

Lab Smp Id : 1005157-18 Client Smp Id : SB82D-2-3
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 05:00 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zh_2C.b/8081A_clpest2v6.m
Misc. Info : SB82D-2-3

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
10.56		1609								
10.69		656								
10.80		1450								
11.06		1404								
11.19		215								
11.26	11.22 11.36	1083	579497	Heptachlor	0.001869	0.362182	1.976744			J
11.34		437								
11.48		870								
11.96		172								
12.10		105								
12.28		522								
12.48		183								
12.65		146								
12.75		184								
12.96		149								
13.03		286								
13.28		879								
13.39		110								
13.65		264								
13.82	13.71 13.85	4923	513150	gamma-Chlordane	0.009592	1.858864	1.976744			J
14.06		373								
14.29		196								
14.38		1019								
14.54		260								
14.70		102								
14.75		488								
15.10		105								
15.43	15.40 15.54	966	408649	Endrin	0.002361	0.457644	3.837209			J
15.71		110								
16.07		95								
16.30		692								
16.39	16.33 16.47	1694	405929	4,4'-DDT	0.004173	0.808749	3.837209			J
16.55		208								
16.63		365								
16.70		871								
17.74		128								
17.76		276								

CompuChem

Lab Smp Id : 1005157-18 Client Smp Id : SB82D-2-3
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 05:00 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zh_2C.b/8081A_clpest2v6.m
Misc. Info : SB82D-2-3

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
17.85		311								
17.92		144								
19.26		524								
19.33		203								
19.48		123								
19.95		338								
20.39		231								
20.46		1033								
20.96	20.90 21.04	39798	406698	Decachlorobiphenyl	0.097857	18.96444		81.5	55 - 130	
21.31		690								
21.45		789								
22.16		187								
23.92		608								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB82D-2-3DL

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-18RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	9.9	U
319-85-7	beta-BHC	9.9	U
319-84-6	alpha-BHC	9.9	U
319-86-8	delta-BHC	9.9	U
58-89-9	gamma-BHC (Lindane)	9.9	U
72-54-8	4,4'-DDD	19	U
72-55-9	4,4'-DDE	19	U
50-29-3	4,4'-DDT	19	U
60-57-1	Dieldrin	19	U
959-98-8	Endosulfan I	9.9	U
33213-65-9	Endosulfan II	19	U
1031-07-8	Endosulfan sulfate	19	U
72-20-8	Endrin	19	U
7421-93-4	Endrin Aldehyde	19	U
76-44-8	Heptachlor	9.9	U
1024-57-3	Heptachlor Epoxide	9.9	U
72-43-5	Methoxychlor	99	U
8001-35-2	Toxaphene	480	U
53494-70-5	Endrin Ketone	19	U
5103-74-2	gamma-Chlordane	9.9	U
5103-71-9	alpha-Chlordane	9.9	U

Data File: /chem/tracegc84.i/j100528zm.b/413j1005157-18.d

Page 1

Date : 11-JUN-2010 03:15

Client ID: SB82D-2-3DL

Instrument: tracegc84.i

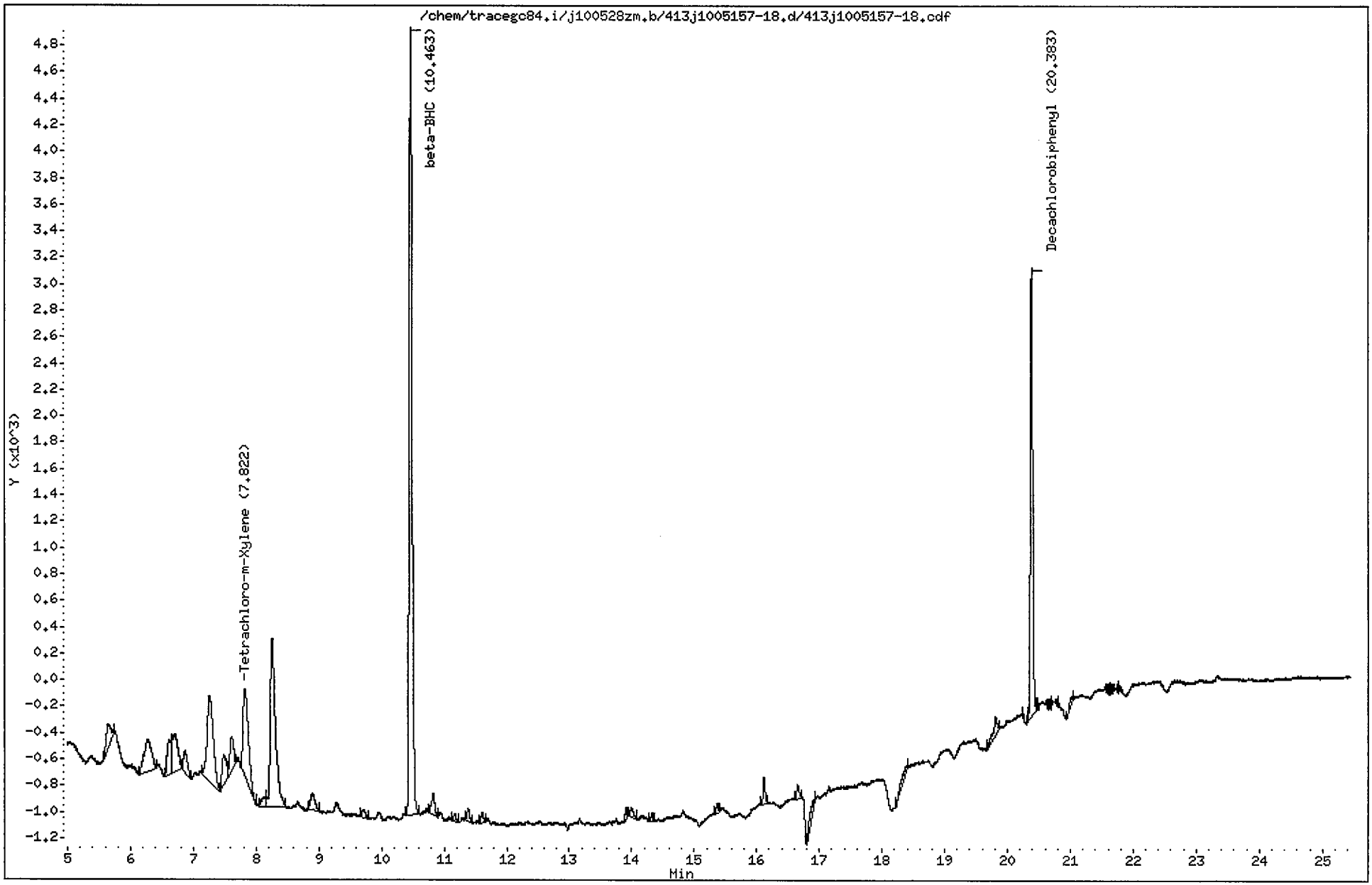
Sample Info: 1005157-18RE1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-18RE1 Client Smp Id : SB82D-2-3DL
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 03:15 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zm.b/8081A_clpestv6.m
Misc. Info : SB82D-2-3DL

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 5.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.35		245								
1.47		47796								
2.06		261744								
3.47		307								
3.68		986								
4.26		1109								
4.53		361								
5.65		1007								
6.28		2018								
6.62		1160								
6.69		1823								
6.86		723								
7.25		4466								
7.49		1041								
7.61		1132								
7.82	7.77 7.91	4025	522758	Tetrachloro-m-Xylene	0.007700	7.460809		64.2*	70 - 125	R
8.12		331								
8.25		7325								
8.89		663								
9.71		221								
10.46	10.34 10.48	19496	300532	beta-BHC	0.064868	62.85678	9.883721			
10.82		567								
11.17		170								
11.38		293								
11.61		229								
13.91		178								
14.00		288								
14.33		159								
15.37		163								
16.12		462								
16.65		314								
16.93		595								
18.40		513								
19.81		538								
20.38	20.33 20.47	8934	408350	Decachlorobiphenyl	0.021876	21.19752		91.1	55 - 130	
21.02		170								

KEH 6/11/10

Data File: /chem/tracegc84.i/j100528zm_2C.b/413j1005157-18.d

Date : 11-JUN-2010 03:15

Client ID: SB82D-2-3DL

Instrument: tracegc84.i

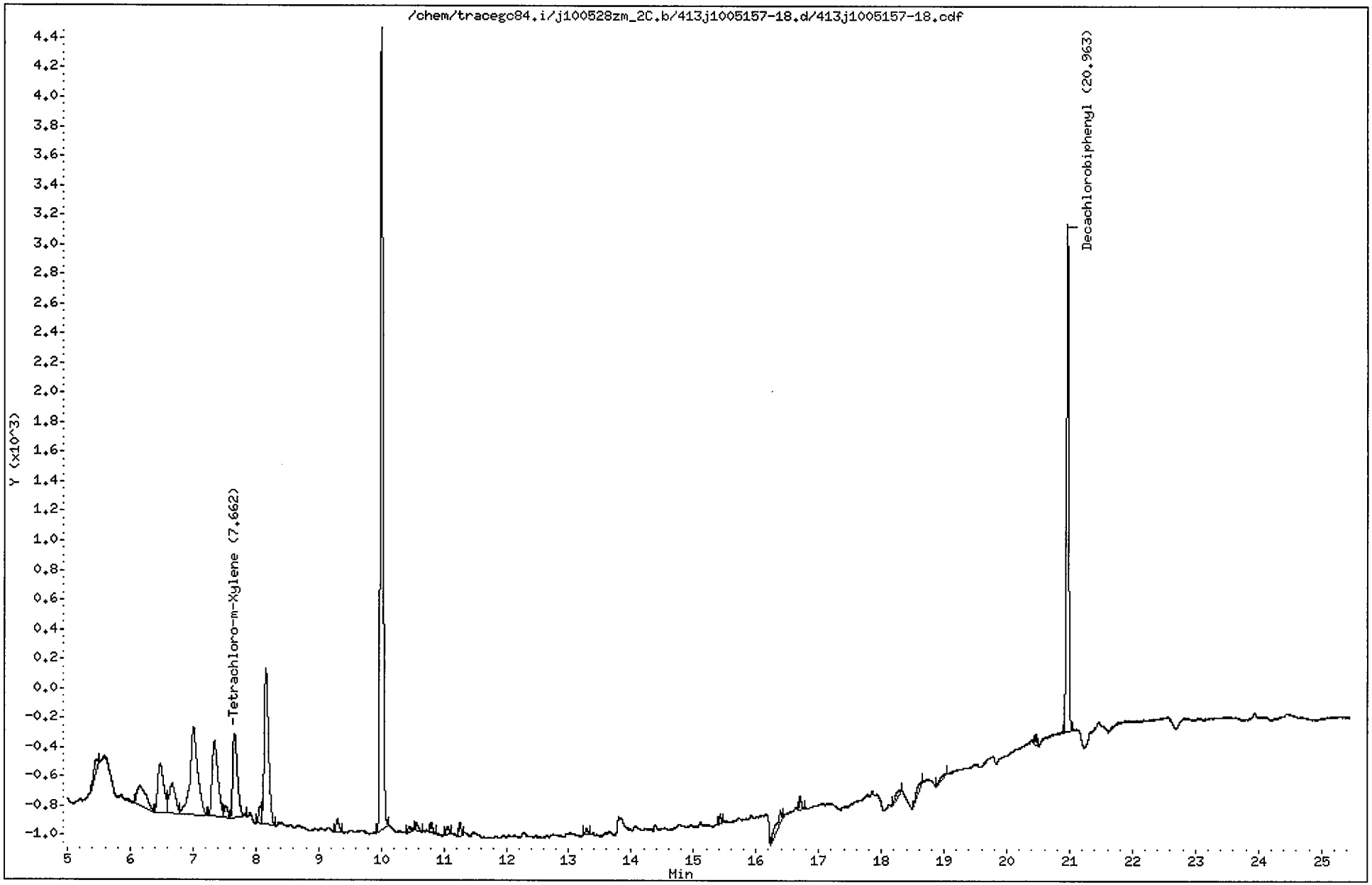
Sample Info: 1005157-18RE1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-18RE1 Client Smp Id : SB82D-2-3DL
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 03:15 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zm_2C.b/8081A_clpest2v6.m
Misc. Info : SB82D-2-3DL

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 5.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.31			92								
1.46			16977								
1.85			227731								
2.99			1762								
3.38			19315								
4.13			301								
5.47			469								
6.15			1395								
6.47			2304								
6.67			1400								
7.01			5099								
7.34			3290								
7.53			309								
7.66	7.61	7.75	3010	416798	Tetrachloro-m-Xylene	0.007219	6.995478		60.2*	70 - 125	R
8.08			430								
8.16			5000								
9.30			284								
10.00			16481								
10.45			132								
10.56			181								
10.80			180								
11.07			183								
11.26			209								
13.28			95								
15.42			142								
16.39			588								
16.71			212								
18.30			184								
18.65			335								
19.03			133								
20.46			127								
20.96	20.90	21.04	8697	406698	Decachlorobiphenyl	0.021382	20.71898		89.1	55 - 130	

6/11/10

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB90-2-3

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	2.0	U
319-84-6	alpha-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
72-54-8	4,4'-DDD	3.9	U
72-55-9	4,4'-DDE	3.9	U
50-29-3	4,4'-DDT	3.9	U
60-57-1	Dieldrin	3.9	U
959-98-8	Endosulfan I	2.0	U
33213-65-9	Endosulfan II	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
72-20-8	Endrin	3.9	U
7421-93-4	Endrin Aldehyde	3.9	U
76-44-8	Heptachlor	0.27	JP
1024-57-3	Heptachlor Epoxide	2.0	U
72-43-5	Methoxychlor	20	U
8001-35-2	Toxaphene	99	U
53494-70-5	Endrin Ketone	3.9	U
5103-74-2	gamma-Chlordane	2.0	U
5103-71-9	alpha-Chlordane	2.0	U

Data File: /chem/tracegc84.i/j100528zg.b/351j1005157-05.d

Page 1

Date : 08-JUN-2010 20:49

Client ID: SB90-2-3

Instrument: tracegc84.i

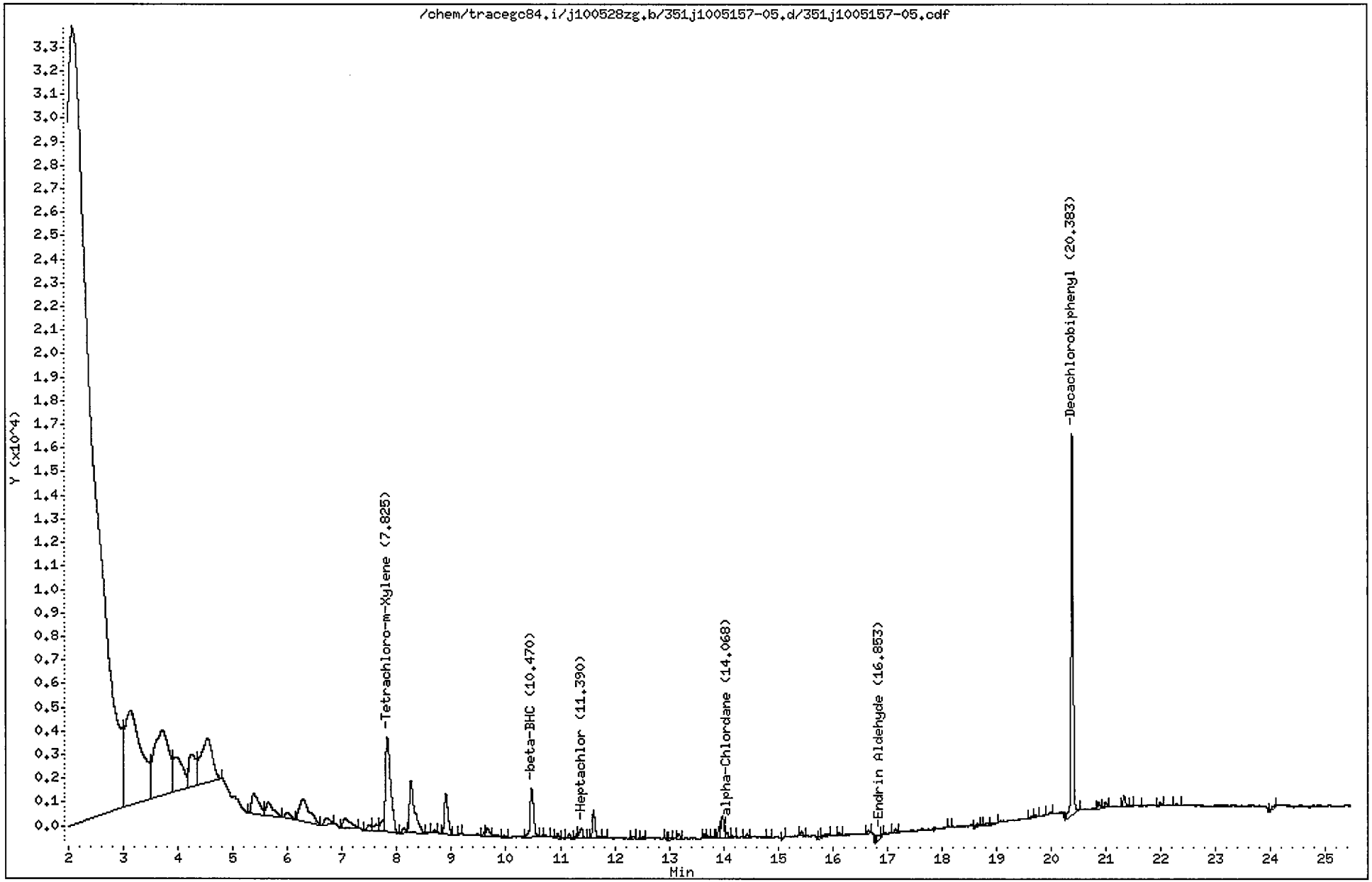
Sample Info: 1005157-05

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-05 Client Smp Id : SB90-2-3
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 20:49 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zg.b/8081A_clpestv6.m
Misc. Info : SB90-2-3

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 16(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.49		29711								
1.71		51744								
2.08		1233135								
3.13		84356								
3.71		53263								
3.95		17995								
4.24		12661								
4.54		27752								
5.38		8437								
5.65		5286								
5.99		1647								
6.28		12394								
6.71		1926								
7.04		3652								
7.49		1374								
7.62		1692								
7.73		1810								
7.82	7.77 7.91	26077	522758	Tetrachloro-m-Xylene	0.049882	9.897150		83.1	70 - 125	
8.12		918								
8.26		14360								
8.68		411								
8.90		7892								
9.16		125								
9.61		275								
9.66		1494								
9.97		246								
10.47	10.34 10.48	9564	300532	beta-BHC	0.031820	6.313529	1.013095			
10.72		229								
10.94		489								
11.16		567								
11.30		463								
11.39	11.29 11.43	1794	695465	Heptachlor	0.002578	0.511534	2.023810			J
11.61		4135								
11.81		251								
12.33		246								
12.52		256								
12.94		168								

CompuChem

Lab Smp Id : 1005157-05 Client Smp Id : SB90-2-3
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 20:49 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg.b/8081A_clpestv6.m
Misc. Info : SB90-2-3

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 16(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
13.01		248								
13.18		660								
13.65		440								
13.71		365								
13.79		205								
13.91		1105								
13.98		3430								
14.07	14.00 14.14	602	516712	alpha-Chlordane	0.001163	0.230778	2.023810			J
14.16		187								
14.43		343								
14.84		209								
15.13		131								
15.43		551								
15.76		215								
15.87		648								
16.12		257								
16.65		400								
16.85	16.71 16.85	812	348470	Endrin Aldehyde	0.002330	0.462339	3.928571			J
16.93		220								
17.15		396								
18.13		141								
18.66		402								
18.82		425								
19.01		353								
19.64		198								
19.73		184								
19.98		263								
20.38	20.33 20.47	43416	408350	Decachlorobiphenyl	0.106321	21.09535		88.6	55 - 130	
20.86		659								
20.99		707								
21.33		1262								
21.55		183								
21.99		409								
22.28		229								
24.09		419								

Data File: /chem/tracegc84.i/j100528zg_2C.b/351j1005157-05.d

Date : 08-JUN-2010 20:49

Client ID: SB90-2-3

Instrument: tracegc84.i

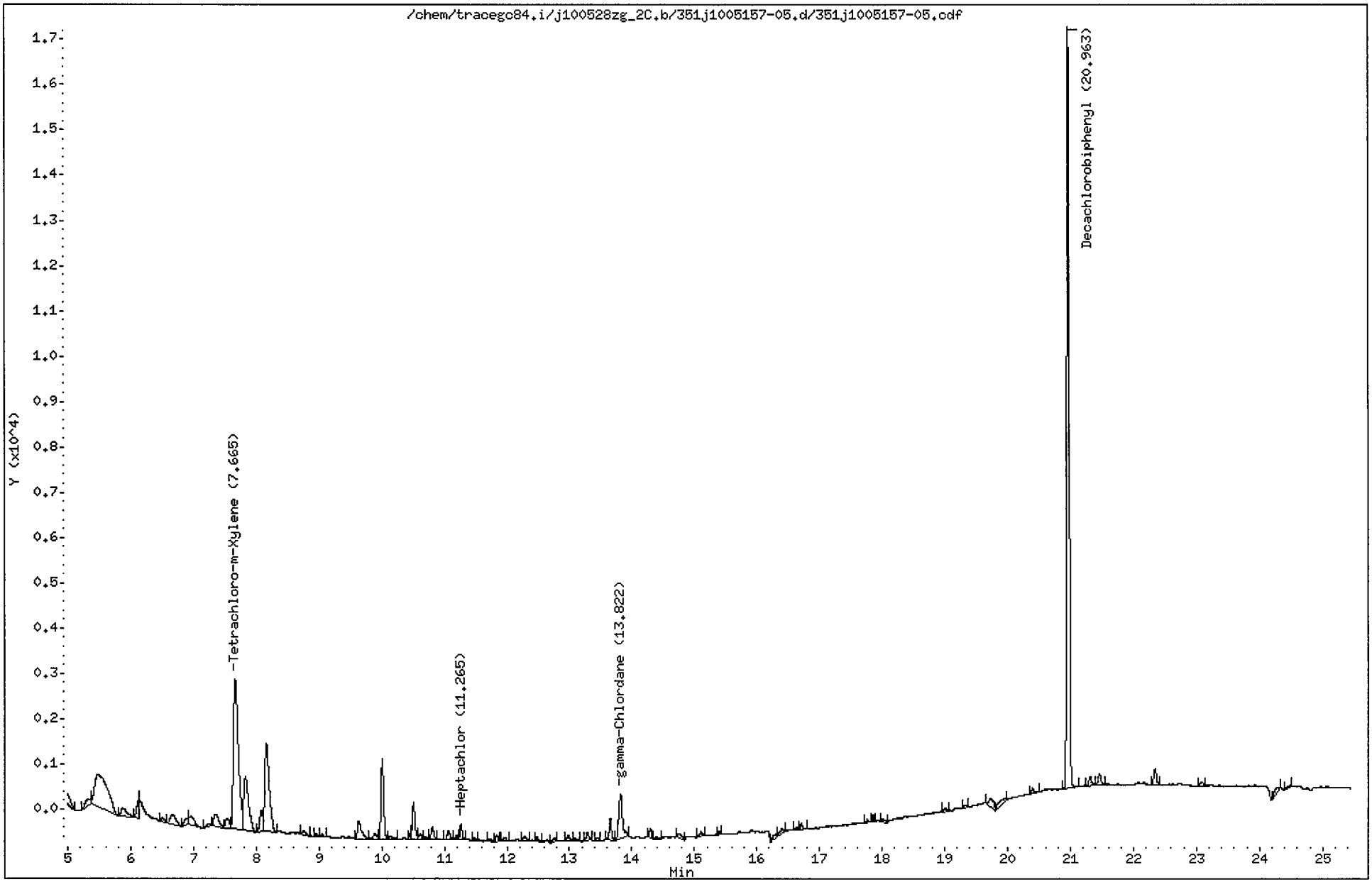
Sample Info: 1005157-05

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-05 Client Smp Id : SB90-2-3
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 20:49 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zg_2C.b/8081A_clpest2v6.m
Misc. Info : SB90-2-3

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 16(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.90		997556								
2.98		15113								
3.29		1066								
3.85		125								
3.95		403								
4.81		7787								
5.33		923								
5.48		10835								
5.87		1258								
6.13		942								
6.49		325								
6.67		1388								
6.89		489								
6.96		1228								
7.24		271								
7.35		1553								
7.54		881								
7.66	7.61 7.75	18322	416798	Tetrachloro-m-Xylene	0.043959	8.722023		73.3	70 - 125	
7.83		6391								
8.08		1451								
8.16		9679								
8.75		276								
8.95		196								
9.06		194								
9.63		1683								
9.89		434								
10.01		5192								
10.14		255								
10.45		243								
10.51		2553								
10.62		400								
10.70		231								
10.81		885								
11.06		633								
11.20		240								
11.26	11.22 11.36	794	579497	Heptachlor	0.001368	0.271513	2.023810			J
11.48		112								

CompuChem

Lab Smp Id : 1005157-05 Client Smp Id : SB90-2-3
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 20:49 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg_2C.b/8081A_clpest2v6.m
Misc. Info : SB90-2-3

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 16(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.72		115								
11.84		289								
11.96		208								
12.28		394								
12.48		227								
12.76		307								
12.98		416								
13.09		214								
13.28		481								
13.45		171								
13.65		1140								
13.82	13.71 13.85	3941	513150	gamma-Chlordane	0.007680	1.523813	2.023810			J
14.30		544								
14.39		164								
14.76		509								
15.11		296								
15.39		143								
16.30		376								
16.40		423								
16.64		154								
16.71		305								
17.77		162								
17.85		292								
18.02		183								
19.02		186								
19.32		142								
19.72		915								
19.95		722								
20.40		345								
20.96	20.90 21.04	42936	406698	Decachlorobiphenyl	0.105572	20.94689		88.0	55 - 130	
21.31		560								
21.46		699								
22.34		1091								
23.09		295								
24.31		576								
24.50		164								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS51-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 28 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	0.31	JP
319-85-7	beta-BHC	1.3	JP
319-84-6	alpha-BHC	2.4	U
319-86-8	delta-BHC	2.4	U
58-89-9	gamma-BHC (Lindane)	2.4	U
72-54-8	4,4'-DDD	8.7	
72-55-9	4,4'-DDE	28	
50-29-3	4,4'-DDT	7.8	
60-57-1	Dieldrin	4.6	U
959-98-8	Endosulfan I	1.3	J
33213-65-9	Endosulfan II	0.93	J
1031-07-8	Endosulfan sulfate	0.79	JP
72-20-8	Endrin	0.72	JP
7421-93-4	Endrin Aldehyde	1.0	J
76-44-8	Heptachlor	2.4	U
1024-57-3	Heptachlor Epoxide	1.6	JP
72-43-5	Methoxychlor	24	U
8001-35-2	Toxaphene	120	U
53494-70-5	Endrin Ketone	2.2	J
5103-74-2	gamma-Chlordane	2.4	U
5103-71-9	alpha-Chlordane	2.4	U

Data File: /chem/tracegc84.i/j100528zf.b/344j1005157-02.d

Page 1

Date : 08-JUN-2010 17:26

Client ID: SS51-0-1

Instrument: tracegc84.i

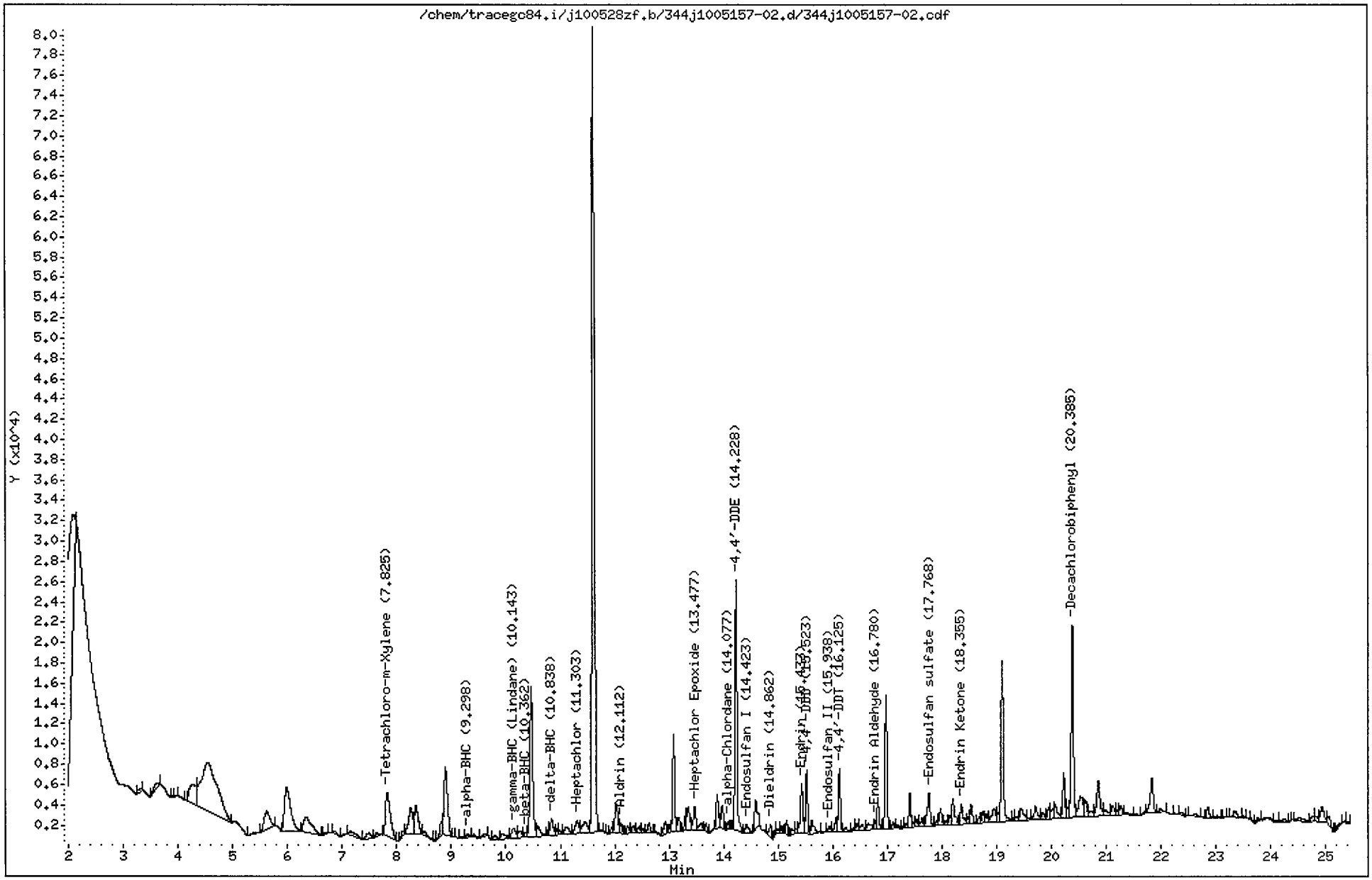
Sample Info: 1005157-02

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-02 Client Smp Id : SS51-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 17:26 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zf.b/8081A_clpestv6.m
Misc. Info : SS51-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 28(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.47			20042								
2.08			84569								
3.30			1223								
3.61			3197								
3.91			131								
3.94			302								
4.16			209								
4.27			15244								
4.54			98764								
5.45			1170								
5.63			13212								
5.98			34795								
6.34			16192								
6.71			329								
6.85			1188								
7.04			502								
7.16			3392								
7.48			2940								
7.64			1945								
7.82	7.77	7.91	26720	522758	Tetrachloro-m-Xylene	0.051112	11.83140		85.2	70 - 125	
8.12			1866								
8.26			14084								
8.36			13526								
8.50			1770								
8.82			4049								
8.89			30693								
9.09			215								
9.20			414								
9.30	9.29	9.43	1258	775960	alpha-BHC	0.001621	0.375282	2.361111			J
9.42			1034								
9.62			1238								
9.80			1953								
9.93			3504								
10.14	10.11	10.25	5630	729192	gamma-BHC (Lindane)	0.007721	1.787238	2.361111			J
10.26			3289								
10.36	10.34	10.48	1672	300532	beta-BHC	0.005563	1.287838	1.181944			
10.46			51993								

CompuChem

Lab Smp Id : 1005157-02 Client Smp Id : SS51-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 17:26 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zf.b/8081A_clpestv6.m
Misc. Info : SS51-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 28(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
10.59		4673								
10.79		1127								
10.84	10.77 10.91	5974	689518	delta-BHC	0.008664	2.005562	2.361111			J
10.93		1545								
10.99		1289								
11.13		4195								
11.30	11.29 11.43	5970	695465	Heptachlor	0.008583	1.986747	2.361111			J
11.46		7223								
11.61		248930								
11.74		345								
11.85		203								
11.94		1572								
12.02		11072								
12.11	12.01 12.15	2802	636570	Aldrin	0.004402	1.018916	2.361111			J
12.24		2570								
12.34		2656								
12.45		2429								
12.52		1372								
12.63		3219								
12.76		643								
12.94		3932								
13.02		1579								
13.09		25478								
13.18		4723								
13.30		3895								
13.35		8648								
13.48	13.42 13.56	7396	593700	Heptachlor Epoxide	0.012457	2.883674	2.361111			
13.60		2966								
13.68		1898								
13.82		218								
13.88		9722								
13.98		7234								
14.08	14.00 14.14	1726	516712	alpha-Chlordane	0.003338	0.772781	2.361111			J
14.14		123								
14.23	14.19 14.33	62451	523741	4,4'-DDE	0.119238	27.60145	4.583333			
14.42	14.29 14.43	3260	548162	Endosulfan I	0.005947	1.376653	2.361111			J
14.59		11074								

CompuChem

Lab Smp Id : 1005157-02 Client Smp Id : SS51-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 17:26 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zf.b/8081A_clpestv6.m
Misc. Info : SS51-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 28(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
14.86	14.82 14.96	3551	515556	Dieldrin	0.006888	1.594376	4.583333			J
14.95		873								
14.99		1339								
15.07		1583								
15.15		3368								
15.24		1876								
15.33		872								
15.43	15.33 15.47	15193	463071	Endrin	0.032809	7.594724	4.583333			
15.52	15.48 15.62	14868	393458	4,4'-DDD	0.037788	8.747239	4.583333			
15.62		4859								
15.94	15.81 15.95	1808	450326	Endosulfan II	0.004015	0.929367	4.583333			J
16.06		3677								
16.12	16.08 16.22	15387	454781	4,4'-DDT	0.033834	7.831909	4.583333			
16.24		1290								
16.39		968								
16.45		1943								
16.55		2090								
16.65		3369								
16.78	16.71 16.85	1500	348470	Endrin Aldehyde	0.004305	0.996419	4.583333			J
16.83		7654								
16.98		33853								
17.11		1587								
17.19		1158								
17.29		464								
17.35		808								
17.41		8298								
17.48		1014								
17.54		2020								
17.64		2644								
17.77	17.65 17.79	12130	392055	Endosulfan sulfate	0.030940	7.161930	4.583333			
17.91		1356								
17.98		4797								
18.07		1358								
18.14		2401								
18.20		8763								
18.36	18.24 18.38	6398	457258	Endrin Ketone	0.013992	3.238916	4.583333			J
18.48		1599								

CompuChem

Lab Smp Id : 1005157-02 Client Smp Id : SS51-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 17:26 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zf.b/8081A_clpestv6.m
Misc. Info : SS51-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 28(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
18.54		5692								
18.68		2009								
18.75		2917								
18.81		2671								
18.95		6358								
19.02		2577								
19.10		45512								
19.31		962								
19.37		1498								
19.45		6081								
19.58		1001								
19.71		5856								
19.85		2596								
19.95		3692								
20.03		3153								
20.08		5470								
20.23		11846								
20.29		2790								
20.38	20.33 20.47	54274	408350	Decachlorobiphenyl	0.132908	30.76575		110.8	55 - 130	
20.53		11612								
20.63		5093								
20.72		2584								
20.86		14664								
20.99		2897								
21.12		3765								
21.20		1309								
21.26		3059								
21.37		918								
21.53		438								
21.70		462								
21.84		13745								
22.00		1498								
22.25		326								
22.37		1098								
22.61		1169								
22.85		3834								
23.02		888								

CompuChem

Lab Smp Id : 1005157-02 Client Smp Id : SS51-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 17:26 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zf.b/8081A_clpestv6.m
Misc. Info : SS51-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 28(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
23.16		262								
23.34		3180								
23.50		358								
23.63		391								
23.76		1333								
24.11		493								
24.24		1596								
24.36		153								
24.51		2148								
24.75		2012								
24.82		2063								
24.93		6826								
25.06		3826								
25.28		1439								
25.36		556								

Data File: /chem/tracegc84.i/j100528zf_2C.b/344j1005157-02.d

Date : 08-JUN-2010 17:26

Client ID: SS51-0-1

Instrument: tracegc84.i

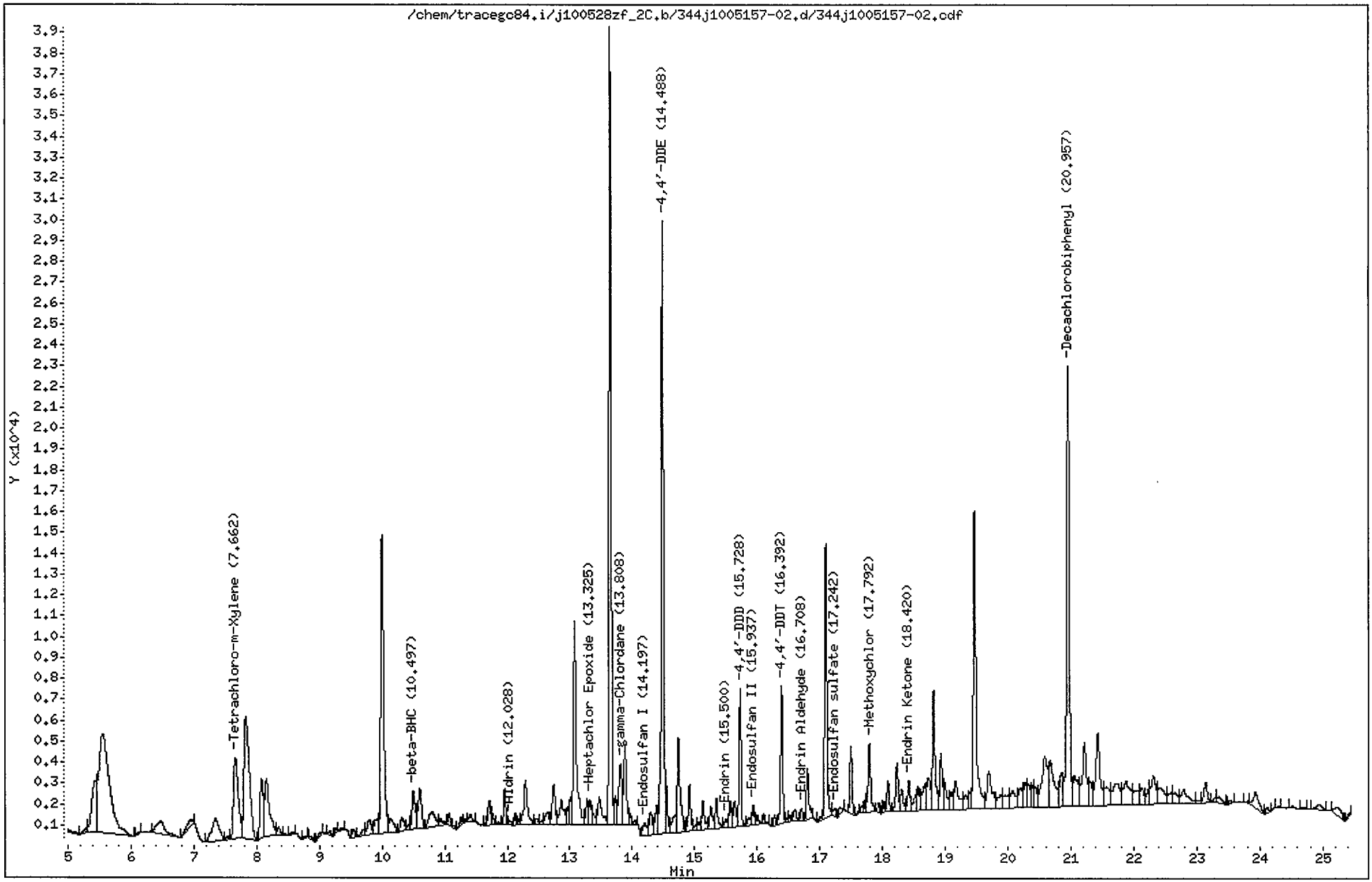
Sample Info: 1005157-02

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-02 Client Smp Id : SS51-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 17:26 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zf_2C.b/8081A_clpest2v6.m
Misc. Info : SS51-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 28(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.11			197								
1.24			190								
1.29			185								
1.89			1099439								
2.76			59468								
2.95			96036								
3.27			8227								
3.31			9880								
3.43			61423								
3.66			11604								
3.71			7415								
3.85			36099								
3.90			10398								
4.10			116732								
4.98			1146								
5.30			683								
5.43			12111								
5.55			56873								
6.14			260								
6.46			5839								
6.94			2404								
7.34			8574								
7.53			629								
7.66	7.61	7.75	20982	416798	Tetrachloro-m-Xylene	0.050341	11.65301		83.9	70 - 125	
7.82			34680								
8.08			10172								
8.15			14605								
8.35			1309								
8.46			127								
8.57			321								
8.76			216								
8.87			381								
9.03			664								
9.17			529								
9.26			530								
9.36			383								
9.55			1147								

CompuChem

Lab Smp Id : 1005157-02 Client Smp Id : SS51-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 17:26 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zf_2C.b/8081A_clpest2v6.m
Misc. Info : SS51-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 28(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
9.70		1281								
9.79		3272								
9.91		3216								
10.00		47215								
10.13		3507								
10.31		2732								
10.43		861								
10.50	10.41 10.55	6427	248610	beta-BHC	0.025848	5.983267	2.361111			
10.61		7420								
10.79		5302								
10.94		1281								
11.07		1491								
11.14		183								
11.26		831								
11.32		344								
11.41		1269								
11.64		146								
11.71		3387								
11.76		1275								
11.86		387								
11.96		3923								
12.03	11.97 12.11	722	542192	Aldrin	0.001332	0.308248	2.361111			J
12.13		1079								
12.19		619								
12.29		8995								
12.46		1013								
12.55		572								
12.65		2573								
12.74		6529								
12.86		5969								
12.97		1455								
13.01		3521								
13.08		31694								
13.28		3044								
13.32	13.29 13.43	3487	511912	Heptachlor Epoxide	0.006810	1.576333	2.361111			JM2
13.37		1260								
13.47		6226								

6/10/10

CompuChem

Lab Smp Id : 1005157-02 Client Smp Id : SS51-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 17:26 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zf_2C.b/8081A_clpest2v6.m
Misc. Info : SS51-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 28(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
13.65		94401								
13.72		3284								
13.81	13.71 13.85	10675	513150	gamma-Chlordane	0.020801	4.815031	2.361111			
13.88		11148								
13.96		1031								
14.04		367								
14.20	14.15 14.29	2668	477982	Endosulfan I	0.005582	1.292082	2.361111			J
14.29		3891								
14.39		4448								
14.49	14.43 14.57	69274	468602	4,4'-DDE	0.147831	34.22015	4.583333			M2
14.53		5079								
14.69		3791								
14.74		14747								
14.86		546								
14.92		5817								
15.03		741								
15.07		1168								
15.13		4346								
15.26		3409								
15.35		4227								
15.50	15.40 15.54	1274	408649	Endrin	0.003115	0.721098	4.583333			J
15.57		3322								
15.64		3578								
15.73	15.67 15.81	14837	340626	4,4'-DDD	0.043558	10.08287	4.583333			
15.87		1261								
15.94	15.86 16.00	2322	404930	Endosulfan II	0.005732	1.326818	4.583333			J
16.00		1150								
16.11		983								
16.28		985								
16.39	16.33 16.47	15204	405929	4,4'-DDT	0.037452	8.669534	4.583333			
16.48		378								
16.52		694								
16.60		1649								
16.71	16.59 16.73	1365	316985	Endrin Aldehyde	0.004306	0.996805	4.583333			J
16.80		6599								
17.01		379								
17.09		32326								

CompuChem

Lab Smp Id : 1005157-02 Client Smp Id : SS51-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 17:26 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zf_2C.b/8081A_clpest2v6.m
Misc. Info : SS51-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 28(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
17.24	17.17 17.31	1251	366674	Endosulfan sulfate	0.003412	0.789757	4.583333			J
17.32		979								
17.50		7835								
17.61		177								
17.67		620								
17.73		1159								
17.79	17.79 17.93	9260	182916	Methoxychlor	0.050619	11.71735	23.61111			J
17.94		1117								
18.01		1069								
18.09		3513								
18.23		6545								
18.30		3263								
18.42	18.30 18.44	3924	419519	Endrin Ketone	0.009354	2.165179	4.583333			J
18.52		2526								
18.57		3301								
18.67		4973								
18.73		6331								
18.81		16238								
18.93		7476								
18.99		4571								
19.10		2861								
19.16		6970								
19.33		2721								
19.39		2190								
19.47		44510								
19.70		9800								
19.88		3231								
19.95		3961								
20.07		5035								
20.20		3997								
20.27		4060								
20.32		3792								
20.39		2858								
20.43		3479								
20.59		15983								
20.68		12784								
20.84		5953								

CompuChem

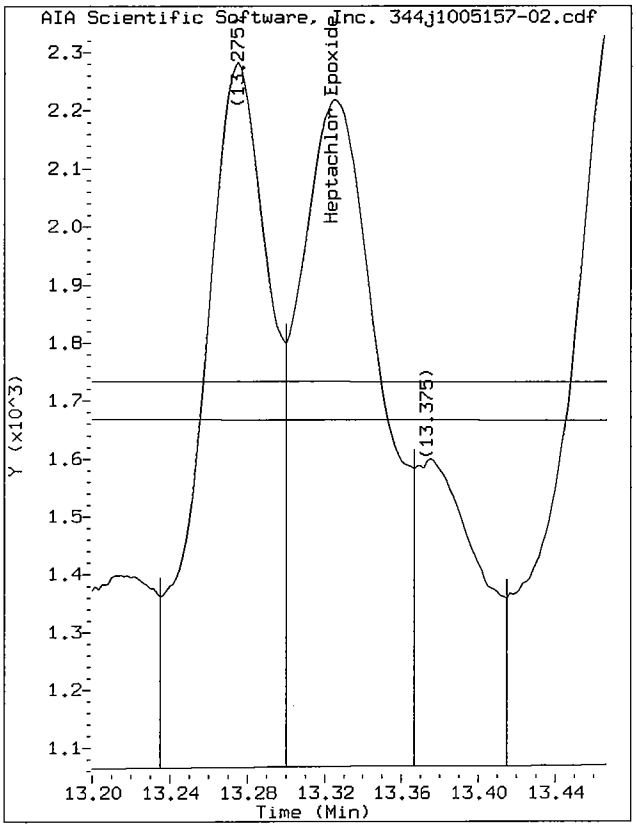
Lab Smp Id : 1005157-02 Client Smp Id : SS51-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 17:26 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zf_2C.b/8081A_clpest2v6.m
Misc. Info : SS51-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 28(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
20.96	20.90 21.04	61187	406698	Decachlorobiphenyl	0.150446	34.82546		125.4	55 - 130	
21.06		8149								
21.21		14336								
21.30		4145								
21.43		16692								
21.57		5645								
21.75		8318								
21.88		9484								
22.02		3693								
22.13		3514								
22.24		2418								
22.31		6959								
22.43		5949								
22.59		2550								
22.66		2845								
22.79		4795								
23.03		449								
23.14		3742								
23.30		684								
23.35		1525								
23.53		394								
23.80		292								
23.93		4362								
24.12		681								
24.24		113								
24.29		121								
24.51		320								
24.69		240								
24.95		1352								
25.23		2783								
25.42		410								

Manually Integrated Peaks



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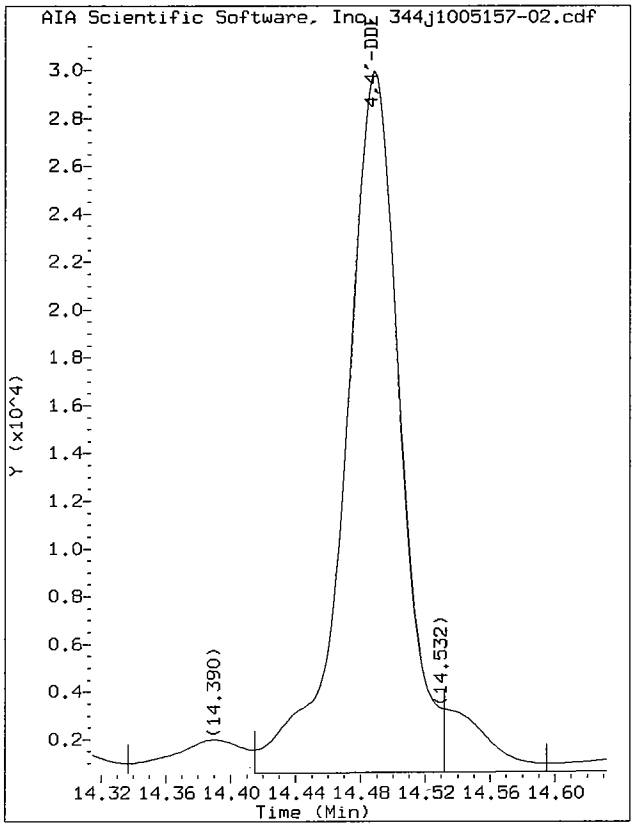
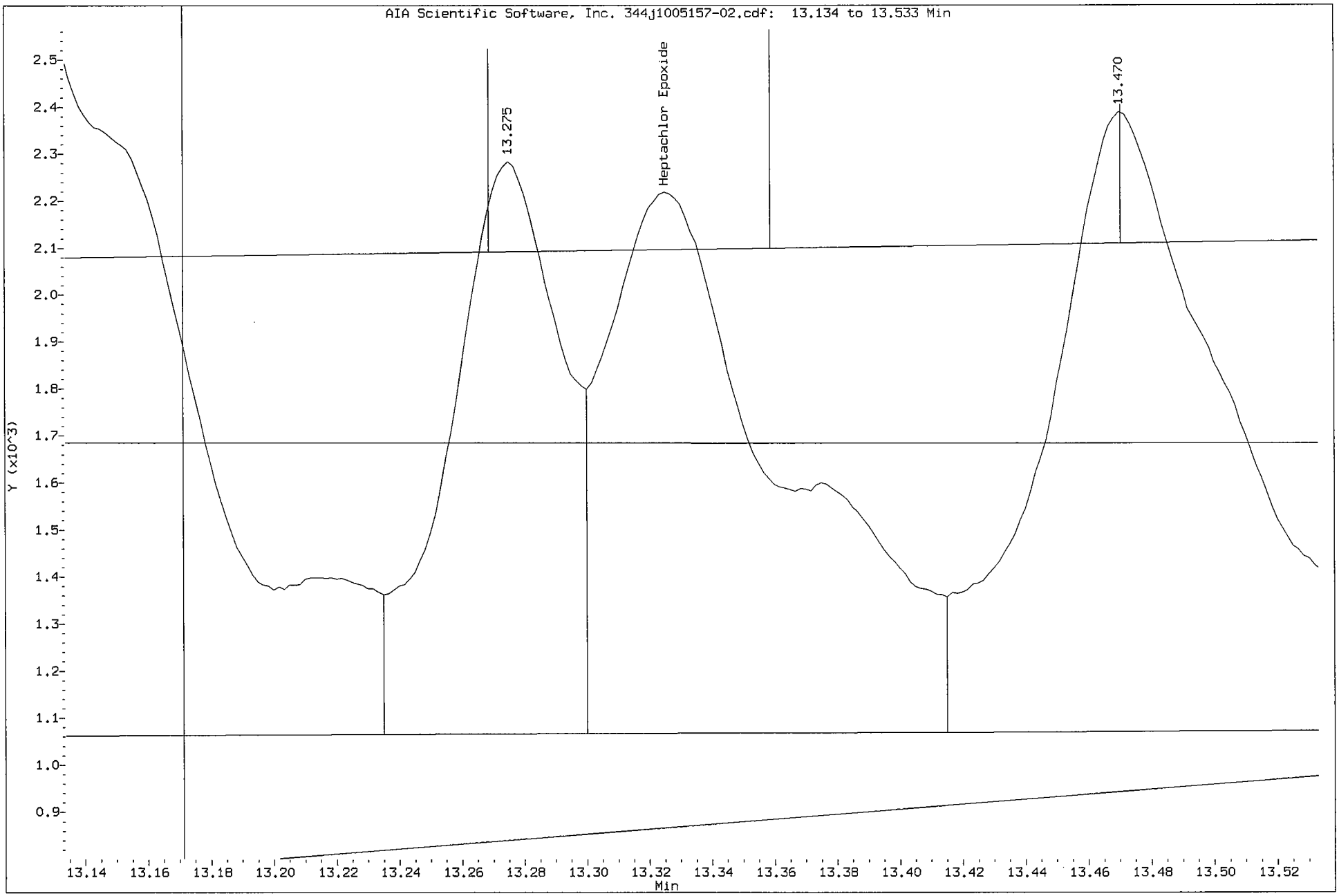


Start: 14.41 Stop: 14.53

Data File: /chem/tracegc84.i/j100528zf_2C.b/344j1005157-02.d/344j1005157-02.cdf
Injection Date: 08-JUN-2010 17:26
Instrument: tracegc84.i
Client Sample ID: SS51-0-1



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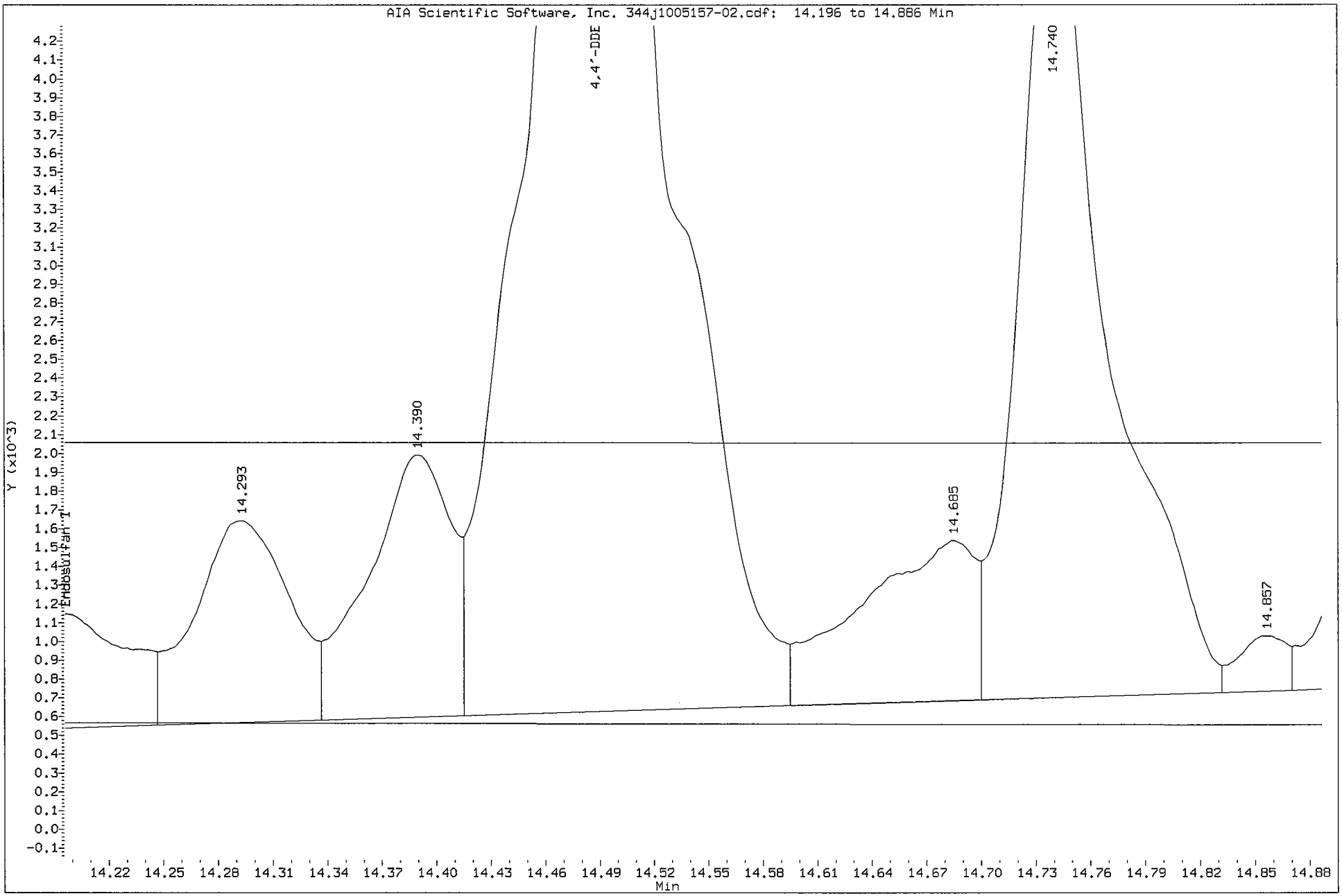
Injection Date: 08-JUN-2010 17:26
Instrument: tracegc84.i
Client Sample ID: SS51-0-1



1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS51D-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 23 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.5	J
319-85-7	beta-BHC	0.63	JP
319-84-6	alpha-BHC	0.35	BJP
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
72-54-8	4,4'-DDD	34	
72-55-9	4,4'-DDE	57	E
50-29-3	4,4'-DDT	7.5	
60-57-1	Dieldrin	3.1	J
959-98-8	Endosulfan I	2.2	U
33213-65-9	Endosulfan II	4.3	U
1031-07-8	Endosulfan sulfate	4.3	U
72-20-8	Endrin	4.3	U
7421-93-4	Endrin Aldehyde	0.79	JP
76-44-8	Heptachlor	1.0	JP
1024-57-3	Heptachlor Epoxide	1.2	JP
72-43-5	Methoxychlor	22	U
8001-35-2	Toxaphene	110	U
53494-70-5	Endrin Ketone	4.3	U
5103-74-2	gamma-Chlordane	0.36	JP
5103-71-9	alpha-Chlordane	0.29	JP

Data File: /chem/tracegc84.i/j100528zf.b/345j1005157-03.d

Page 1

Date : 08-JUN-2010 17:55

Client ID: SS51D-0-1

Instrument: tracegc84.i

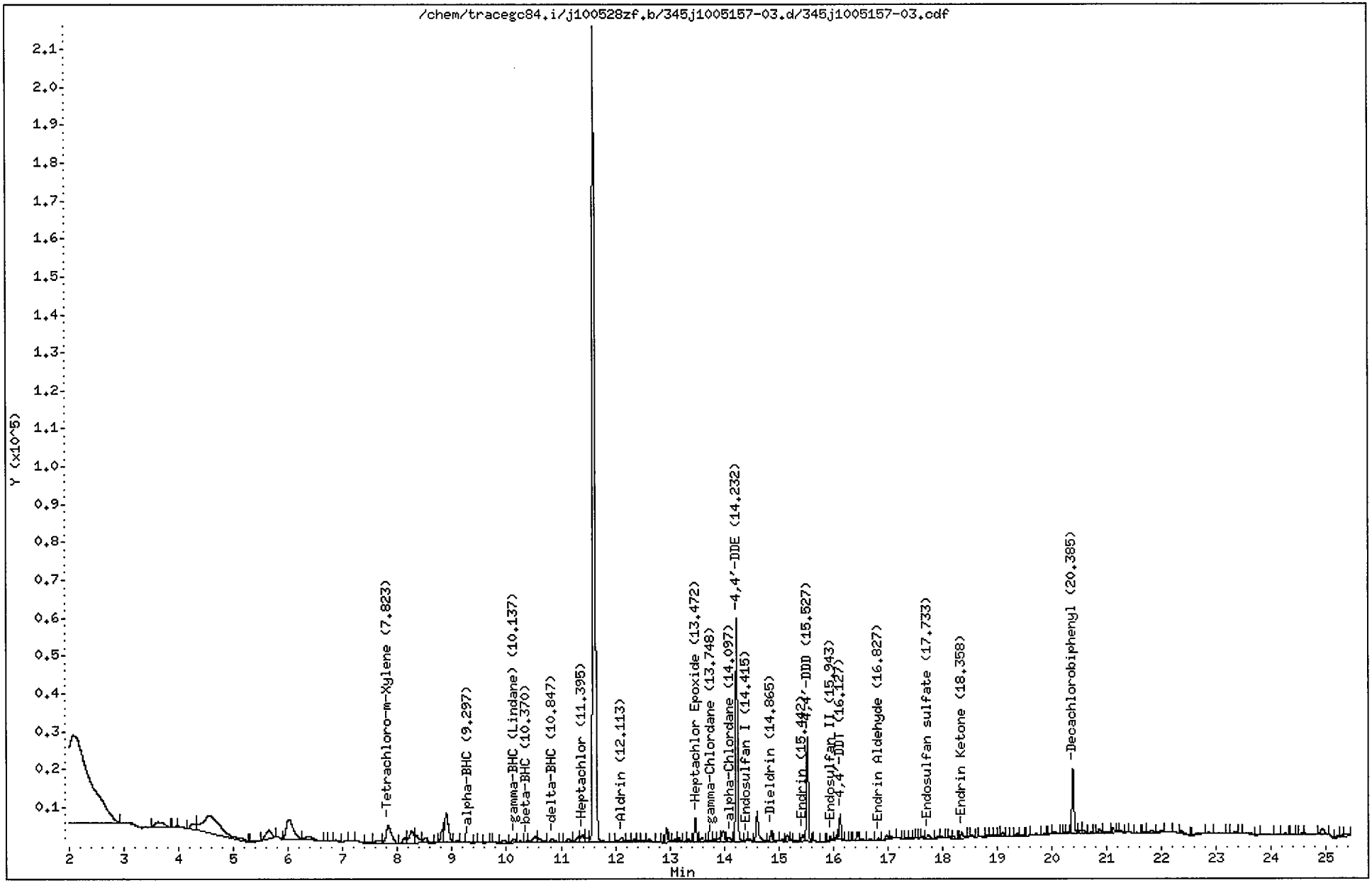
Sample Info: 1005157-03

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-03 Client Smp Id : SS51D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 17:55 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zf.b/8081A_clpestv6.m
Misc. Info : SS51D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 23(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.46			35172								
1.63			1236								
1.72			235								
2.08			724050								
3.62			17966								
3.96			380								
4.26			10294								
4.55			96406								
5.45			668								
5.63			15496								
6.01			47663								
6.35			10810								
6.71			217								
6.87			1872								
7.04			547								
7.16			521								
7.49			2314								
7.64			5566								
7.82	7.77	7.91	31516	522758	Tetrachloro-m-Xylene	0.060288	13.04935		100.5	70 - 125	
8.12			5213								
8.26			19864								
8.35			9477								
8.51			7834								
8.74			511								
8.82			11855								
8.89			37584								
9.08			1594								
9.30	9.29	9.43	1239	775960	alpha-BHC	0.001597	0.345613	2.207792			J
9.45			329								
9.61			361								
9.79			994								
9.95			3397								
10.14	10.11	10.25	4338	729192	gamma-BHC (Lindane)	0.005949	1.287672	2.207792			J
10.24			1705								
10.37	10.34	10.48	877	300532	beta-BHC	0.002915	0.630915	1.105195			J
10.52			8366								
10.59			5883								

6/10/10

CompuChem

Lab Smp Id : 1005157-03 Client Smp Id : SS51D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 17:55 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zf.b/8081A_clpestv6.m
Misc. Info : SS51D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 23(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
10.85	10.77 10.91	4214	689518	delta-BHC	0.006110	1.322526	2.207792			J
11.13		3521								
11.30		5654								
11.40	11.29 11.43	7475	695465	Heptachlor	0.010747	2.326140	2.207792			
11.46		5266								
11.61		681188								
12.11	12.01 12.15	6254	636570	Aldrin	0.009825	2.126521	2.207792			J
12.24		2398								
12.35		3084								
12.43		1059								
12.52		1933								
12.63		3902								
12.77		692								
12.94		9731								
13.01		1445								
13.10		2808								
13.17		3669								
13.31		1143								
13.35		2077								
13.47	13.42 13.56	17564	593700	Heptachlor Epoxide	0.029584	6.403456	2.207792			
13.59		4331								
13.68		1014								
13.75	13.70 13.84	998	594875	gamma-Chlordane	0.001676	0.362767	2.207792			J
13.82		1581								
13.91		3049								
13.98		9834								
14.10	14.00 14.14	4931	516712	alpha-Chlordane	0.009543	2.065590	2.207792			J
14.23	14.19 14.33	137313	523741	4,4'-DDE	0.262175	56.74789	4.285714			E
14.42	14.29 14.43	1263	548162	Endosulfan I	0.002302	0.498320	2.207792			J
14.47		1015								
14.60		25174								
14.86	14.82 14.96	7462	515556	Dieldrin	0.014472	3.132413	4.285714			J
14.95		761								
15.07		1949								
15.16		3666								
15.22		653								
15.33		1020								

CompuChem

Lab Smp Id : 1005157-03 Client Smp Id : SS51D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 17:55 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zf.b/8081A_clpestv6.m
Misc. Info : SS51D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 23(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
15.44	15.33 15.47	3560	463071	Endrin	0.007688	1.664026	4.285714			J
15.53	15.48 15.62	62543	393458	4,4'-DDD	0.158955	34.40582	4.285714			
15.62		182								
15.66		530								
15.78		203								
15.94	15.81 15.95	3321	450326	Endosulfan II	0.007372	1.595765	4.285714			J
16.06		2526								
16.13	16.08 16.22	15681	454781	4,4'-DDT	0.034478	7.462795	4.285714			
16.25		205								
16.30		396								
16.45		5563								
16.52		591								
16.68		1719								
16.83	16.71 16.85	1867	348470	Endrin Aldehyde	0.005355	1.159056	4.285714			J
16.98		3006								
17.08		1834								
17.19		544								
17.35		728								
17.42		461								
17.48		611								
17.53		403								
17.59		188								
17.64		918								
17.73	17.65 17.79	3048	392055	Endosulfan sulfate	0.007774	1.682775	4.285714			J
17.91		674								
17.99		787								
18.07		442								
18.14		1325								
18.20		1480								
18.36	18.24 18.38	4765	457258	Endrin Ketone	0.010421	2.255590	4.285714			J
18.48		122								
18.53		961								
18.70		430								
18.82		841								
18.89		365								
18.95		658								
19.05		457								

CompuChem

Lab Smp Id : 1005157-03 Client Smp Id : SS51D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 17:55 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zf.b/8081A_clpestv6.m
Misc. Info : SS51D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 23(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
19.10		2455								
19.26		202								
19.36		1785								
19.46		951								
19.59		156								
19.71		1478								
19.87		772								
20.00		743								
20.04		1804								
20.23		1012								
20.29		859								
20.38	20.33 20.47	44948	408350	Decachlorobiphenyl	0.110070	23.82463		91.7	55 - 130	
20.53		2288								
20.57		2492								
20.72		487								
20.86		3156								
20.98		878								
21.12		3462								
21.20		980								
21.26		1447								
21.36		186								
21.54		231								
21.71		327								
21.82		2640								
21.99		2494								
22.07		607								
22.37		3421								
22.73		3892								
22.85		1086								
23.06		1301								
23.33		2275								
23.45		218								
23.77		520								
24.14		723								
24.26		2093								
24.39		263								
24.55		1054								

CompuChem

Lab Smp Id : 1005157-03 Client Smp Id : SS51D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 17:55 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zf.b/8081A_clpestv6.m
Misc. Info : SS51D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 23(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
24.93		6989								
25.24		1881								
25.30		1881								
25.34		2167								

Data File: /chem/tracegc84.i/j100528zf_2C.b/345j1005157-03.d

Page 1

Date : 08-JUN-2010 17:55

Client ID: SS51D-0-1

Instrument: tracegc84.i

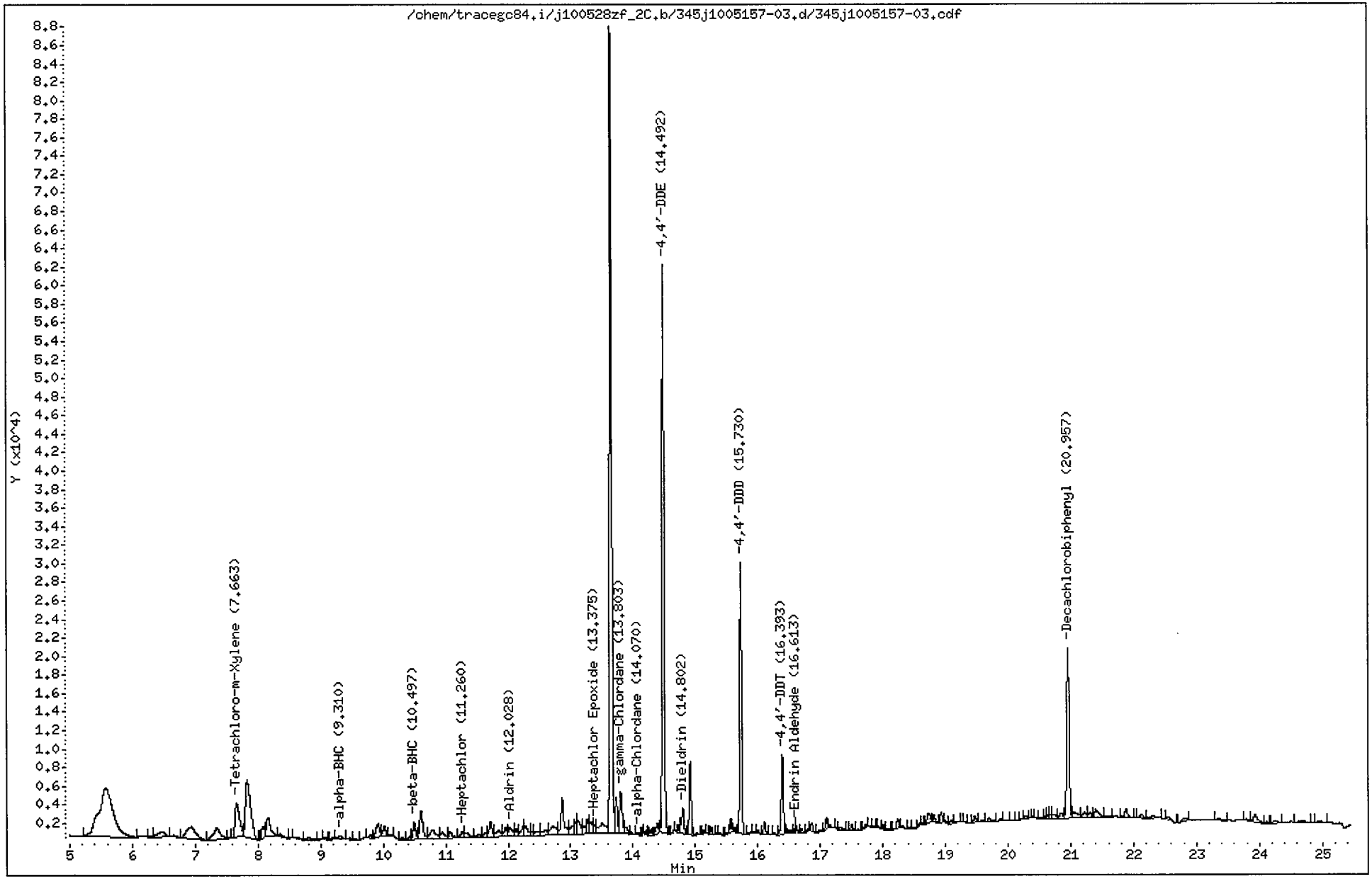
Sample Info: 1005157-03

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



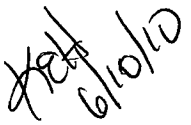
CompuChem

Lab Smp Id : 1005157-03 Client Smp Id : SS51D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 17:55 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zf_2C.b/8081A_clpest2v6.m
Misc. Info : SS51D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 23(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.90			922000								
2.81			6758								
2.86			6400								
2.95			38315								
3.29			1804								
3.42			2389								
3.66			347								
3.68			360								
3.85			10549								
3.95			8994								
4.00			6860								
4.12			47722								
5.57			84078								
6.33			345								
6.47			4613								
6.65			1084								
6.94			13154								
7.34			9168								
7.54			249								
7.66	7.61	7.75	18891	416798	Tetrachloro-m-Xylene	0.045324	9.810426		75.5	70 - 125	
7.83			35062								
8.08			4035								
8.16			9372								
8.36			1366								
8.59			809								
8.81			1853								
8.98			277								
9.07			640								
9.18			525								
9.31	9.26	9.40	1828	607758	alpha-BHC	0.003008	0.651034	2.207792			J
9.46			488								
9.55			227								
9.71			256								
9.80			1187								
9.91			5939								
10.02			2839								
10.08			435								



CompuChem

Lab Smp Id : 1005157-03 Client Smp Id : SS51D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 17:55 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zf_2C.b/8081A_clpest2v6.m
Misc. Info : SS51D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 23(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
10.30		627								
10.44		911								
10.50	10.41 10.55	5297	248610	beta-BHC	0.021302	4.610918	2.207792			
10.60		11631								
10.79		6722								
10.94		3091								
11.07		3004								
11.26	11.22 11.36	2694	579497	Heptachlor	0.004647	1.005873	2.207792			J
11.34		2735								
11.53		1587								
11.64		1649								
11.72		5332								
11.85		3047								
11.96		3409								
12.03	11.97 12.11	3830	542192	Aldrin	0.007062	1.528586	2.207792			J
12.13		2599								
12.24		3227								
12.28		3988								
12.38		1348								
12.47		2186								
12.60		3068								
12.71		6505								
12.86		13793								
13.03		3192								
13.09		3125								
13.12		5989								
13.21		2379								
13.28		4298								
13.32		3350								
13.38	13.29 13.43	2937	511912	Heptachlor Epoxide	0.005735	1.241419	2.207792			J
13.50		8013								
13.65		221060								
13.73		8151								
13.80	13.71 13.85	12473	513150	gamma-Chlordane	0.024307	5.261198	2.207792			
13.88		1817								
13.97		419								
14.07	14.04 14.18	606	446248	alpha-Chlordane	0.001356	0.293452	2.207792			J

CompuChem

Lab Smp Id : 1005157-03 Client Smp Id : SS51D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 17:55 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zf_2C.b/8081A_clpest2v6.m
Misc. Info : SS51D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 23(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
14.17		126								
14.20		462								
14.29		1275								
14.39		2886								
14.49	14.43 14.57	135118	468602	4,4'-DDE	0.288340	62.41133	4.285714			E
14.66		296								
14.75		1365								
14.80	14.75 14.89	7328	461929	Dieldrin	0.015864	3.433749	4.285714			J
14.92		16816								
15.03		864								
15.13		886								
15.19		276								
15.26		1574								
15.35		218								
15.39		389								
15.50		297								
15.57		2820								
15.63		981								
15.73	15.67 15.81	61428	340626	4,4'-DDD	0.180338	39.03429	4.285714			E
15.89		563								
15.94		176								
16.01		966								
16.11		2961								
16.20		123								
16.27		317								
16.39	16.33 16.47	19321	405929	4,4'-DDT	0.047595	10.30185	4.285714			
16.48		1109								
16.61	16.59 16.73	1161	316985	Endrin Aldehyde	0.003663	0.792778	4.285714			J
16.70		874								
16.81		539								
16.86		1841								
17.00		655								
17.10		2325								
17.16		434								
17.24		288								
17.32		1365								
17.43		100								

CompuChem

Lab Smp Id : 1005157-03 Client Smp Id : SS51D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 17:55 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zf_2C.b/8081A_clpest2v6.m
Misc. Info : SS51D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 23(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
17.50		1478								
17.61		168								
17.73		811								
17.79		223								
17.85		300								
17.93		337								
18.01		867								
18.09		523								
18.24		2314								
18.31		524								
18.42		376								
18.48		309								
18.59		462								
18.63		210								
18.73		3365								
18.82		1983								
18.93		2315								
18.99		330								
19.10		861								
19.16		229								
19.30		161								
19.38		139								
19.47		1879								
19.59		596								
19.69		2063								
19.89		648								
19.95		129								
20.07		232								
20.22		158								
20.28		684								
20.39		179								
20.53		597								
20.60		659								
20.65		1046								
20.68		1181								
20.74		1797								
20.85		1935								

CompuChem

Lab Smp Id : 1005157-03 Client Smp Id : SS51D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 17:55 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zf_2C.b/8081A_clpest2v6.m
Misc. Info : SS51D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 23(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
20.96	20.90 21.04	47882	406698	Decachlorobiphenyl	0.117734	25.48348		98.1	55 - 130	
21.05		3991								
21.22		2241								
21.31		1769								
21.40		3782								
21.58		529								
21.88		2708								
22.13		1306								
22.31		945								
22.55		1321								
22.80		1496								
23.35		735								
23.80		541								
23.93		3624								
24.12		550								
24.24		1039								
24.68		1059								
24.94		871								

1D

EPA SAMPLE NO.

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

SS51D-0-1DL

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-03RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 23 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	11	U
319-85-7	beta-BHC	11	U
319-84-6	alpha-BHC	11	U
319-86-8	delta-BHC	11	U
58-89-9	gamma-BHC (Lindane)	11	U
72-54-8	4,4'-DDD	37	D
72-55-9	4,4'-DDE	58	D
50-29-3	4,4'-DDT	9.6	DJ
60-57-1	Dieldrin	3.7	DJ
959-98-8	Endosulfan I	11	U
33213-65-9	Endosulfan II	21	U
1031-07-8	Endosulfan sulfate	21	U
72-20-8	Endrin	21	U
7421-93-4	Endrin Aldehyde	21	U
76-44-8	Heptachlor	11	U
1024-57-3	Heptachlor Epoxide	11	U
72-43-5	Methoxychlor	110	U
8001-35-2	Toxaphene	540	U
53494-70-5	Endrin Ketone	21	U
5103-74-2	gamma-Chlordane	11	U
5103-71-9	alpha-Chlordane	11	U

FORM I PEST

Data File: /chem/tracegc84.i/j100528zm.b/410j1005157-03.d

Page 1

Date : 11-JUN-2010 01:49

Client ID: SS51D-0-1DL

Instrument: tracegc84.i

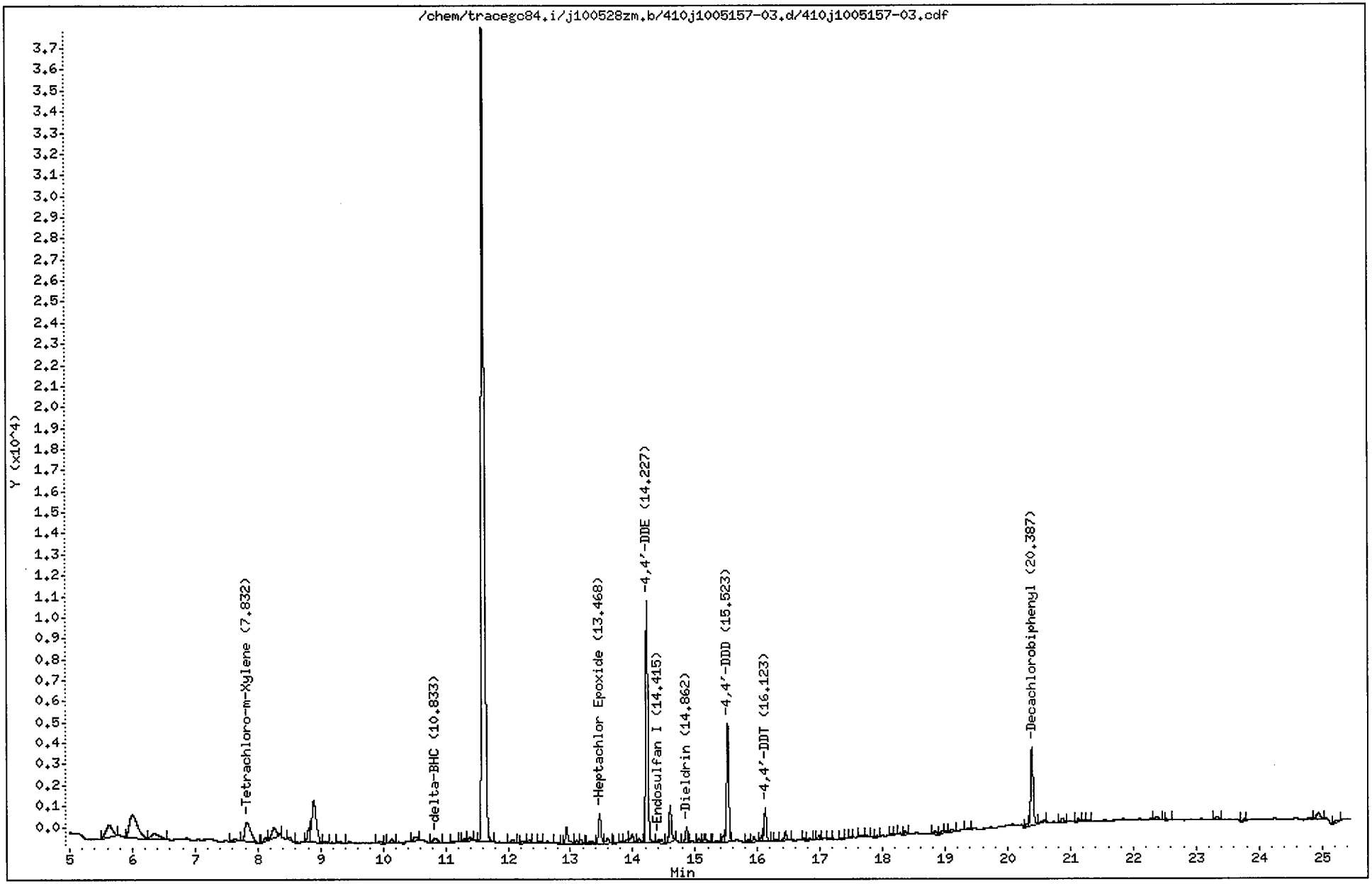
Sample Info: 1005157-03RE1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-03RE1 Client Smp Id : SS51D-0-1DL
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 01:49 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zm.b/8081A_clpestv6.m
Misc. Info : SS51D-0-1DL

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 5.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 23(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.36		409								
1.47		55343								
2.06		270688								
3.42		256								
3.65		1869								
4.29		2172								
4.55		2359								
5.63		3929								
6.00		9922								
6.35		2223								
7.63		601								
7.83	7.77 7.91	6176	522758	Tetrachloro-m-Xylene	0.011812	12.78394		98.4	70 - 125	
8.12		598								
8.25		2742								
8.50		577								
8.82		1767								
8.89		9768								
9.09		198								
9.30		397								
9.96		512								
10.14		828								
10.52		543								
10.83	10.77 10.91	931	689518	delta-BHC	0.001350	1.461277	11.03896			J
11.14		200								
11.30		457								
11.39		552								
11.61		121298								
12.08		506								
12.24		433								
12.34		511								
12.51		220								
12.77		133								
12.94		2346								
13.10		535								
13.17		535								
13.30		517								
13.47	13.42 13.56	3799	593700	Heptachlor Epoxide	0.006397	6.923344	11.03896			J

CompuChem

Lab Smp Id : 1005157-03RE1 Client Smp Id : SS51D-0-1DL
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 01:49 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zm.b/8081A_clpestv6.m
Misc. Info : SS51D-0-1DL

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 5.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 23(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
13.59		825								
13.74		138								
13.82		144								
13.90		397								
13.99		1324								
14.10		436								
14.23	14.19 14.33	28147	523741	4,4'-DDE	0.053742	58.16254	21.42857			
14.42	14.29 14.43	673	548162	Endosulfan I	0.001226	1.326747	11.03896			J
14.60		4375								
14.86	14.82 14.96	1782	515556	Dieldrin	0.003456	3.740759	21.42857			J
15.06		440								
15.15		1115								
15.33		293								
15.45		663								
15.52	15.48 15.62	13384	393458	4,4'-DDD	0.034016	36.81426	21.42857			
15.85		236								
15.94		642								
16.07		610								
16.12	16.08 16.22	4022	454781	4,4'-DDT	0.008842	9.568846	21.42857			J
16.30		134								
16.45		1320								
16.75		182								
16.83		253								
16.98		466								
17.15		152								
17.36		121								
17.48		177								
17.65		290								
17.74		365								
17.91		138								
18.14		201								
18.22		146								
18.36		313								
18.84		387								
18.95		278								
19.11		322								
19.37		204								

CompuChem

Lab Smp Id : 1005157-03RE1 Client Smp Id : SS51D-0-1DL
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 01:49 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zm.b/8081A_clpestv6.m
Misc. Info : SS51D-0-1DL

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 5.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 23(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
20.30		371								
20.39	20.33 20.47	10151	408350	Decachlorobiphenyl	0.024856	26.90057		103.6	55 - 130	
20.54		573								
20.87		578								
21.12		498								
21.21		259								
21.27		285								
22.37		428								
22.57		151								
23.33		491								
23.77		225								
24.94		1184								
25.26		331								

Data File: /chem/tracegc84.i/j100528zm_2C.b/410j1005157-03.d

Date : 11-JUN-2010 01:49

Client ID: SS51D-0-1DL

Instrument: tracegc84.i

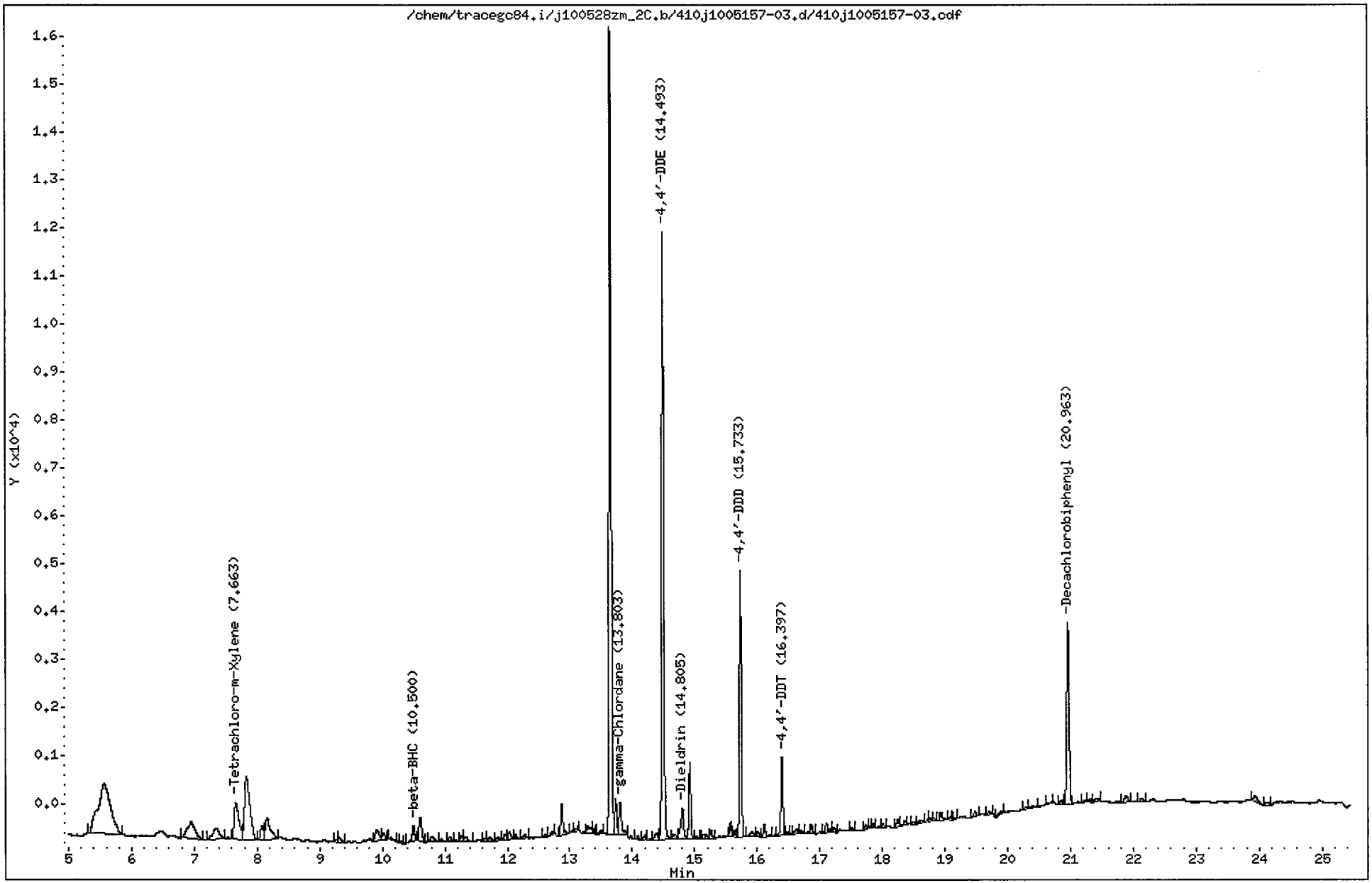
Sample Info: 1005157-03RE1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-03RE1 Client Smp Id : SS51D-0-1DL
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 01:49 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zm_2C.b/8081A_clpest2v6.m
Misc. Info : SS51D-0-1DL

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 5.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 23(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.51			17635								
1.86			251409								
2.97			191								
3.38			5801								
4.13			900								
5.57			14557								
6.95			2939								
7.34			1688								
7.66	7.61	7.75	3958	416798	Tetrachloro-m-Xylene	0.009496	10.27729		79.1	70 - 125	
7.83			7657								
8.07			968								
8.16			2326								
9.27			102								
9.31			356								
9.91			981								
10.02			490								
10.13			109								
10.30			99								
10.50	10.41	10.55	871	248610	beta-BHC	0.003499	3.787291	11.03896			J
10.61			1588								
10.79			437								
10.94			165								
11.07			302								
11.17			135								
11.26			348								
11.34			398								
11.64			179								
11.72			266								
11.85			219								
11.96			316								
12.03			417								
12.13			187								
12.27			263								
12.61			104								
12.72			139								
12.87			1661								
13.09			248								

CompuChem

Lab Smp Id : 1005157-03RE1 Client Smp Id : SS51D-0-1DL
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 01:49 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zm_2C.b/8081A_clpest2v6.m
Misc. Info : SS51D-0-1DL

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 5.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 23(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
13.28		600								
13.38		167								
13.48		164								
13.65		41311								
13.73		1590								
13.80	13.71 13.85	1981	513150	gamma-Chlordane	0.003859	4.175888	11.03896			J
14.09		182								
14.18		263								
14.39		475								
14.49	14.43 14.57	27673	468602	4,4'-DDE	0.059054	63.91160	21.42857			
14.66		406								
14.80	14.75 14.89	2184	461929	Dieldrin	0.004728	5.116885	21.42857			J
14.92		3372								
15.03		169								
15.14		374								
15.26		355								
15.57		634								
15.64		250								
15.73	15.67 15.81	11726	340626	4,4'-DDD	0.034422	37.25313	21.42857			
15.93		371								
16.01		265								
16.12		671								
16.40	16.33 16.47	3629	405929	4,4'-DDT	0.008938	9.672650	21.42857			J
16.48		131								
16.63		407								
16.70		142								
16.87		381								
17.10		634								
17.23		299								
17.51		187								
17.73		149								
17.85		176								
18.01		175								
18.25		390								
18.36		258								
18.49		145								
18.59		249								

CompuChem

Lab Smp Id : 1005157-03RE1 Client Smp Id : SS51D-0-1DL
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 01:49 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zm_2C.b/8081A_clpest2v6.m
Misc. Info : SS51D-0-1DL

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 5.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 23(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
18.77		145								
18.82		129								
18.94		424								
19.09		151								
19.18		99								
19.48		303								
19.71		174								
19.90		297								
20.29		120								
20.40		185								
20.66		121								
20.86		201								
20.96	20.90 21.04	9637	406698	Decachlorobiphenyl	0.023693	25.64208		98.7	55 - 130	
21.23		131								
21.32		188								
21.41		287								
21.88		424								
22.14		195								
23.94		633								
24.13		244								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS64-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-12

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 9 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.9	U
319-85-7	beta-BHC	1.9	U
319-84-6	alpha-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
72-54-8	4,4'-DDD	3.6	U
72-55-9	4,4'-DDE	3.6	U
50-29-3	4,4'-DDT	3.6	U
60-57-1	Dieldrin	3.6	U
959-98-8	Endosulfan I	1.9	U
33213-65-9	Endosulfan II	3.6	U
1031-07-8	Endosulfan sulfate	0.47	J
72-20-8	Endrin	1.8	JP
7421-93-4	Endrin Aldehyde	3.6	U
76-44-8	Heptachlor	1.9	U
1024-57-3	Heptachlor Epoxide	1.9	U
72-43-5	Methoxychlor	19	U
8001-35-2	Toxaphene	91	U
53494-70-5	Endrin Ketone	0.44	JP
5103-74-2	gamma-Chlordane	1.9	U
5103-71-9	alpha-Chlordane	1.9	U

Data File: /chem/tracegc84.i/j100528zg.b/358j1005157-12.d

Page 1

Date : 09-JUN-2010 00:11

Client ID: SS64-0-1

Instrument: tracegc84.i

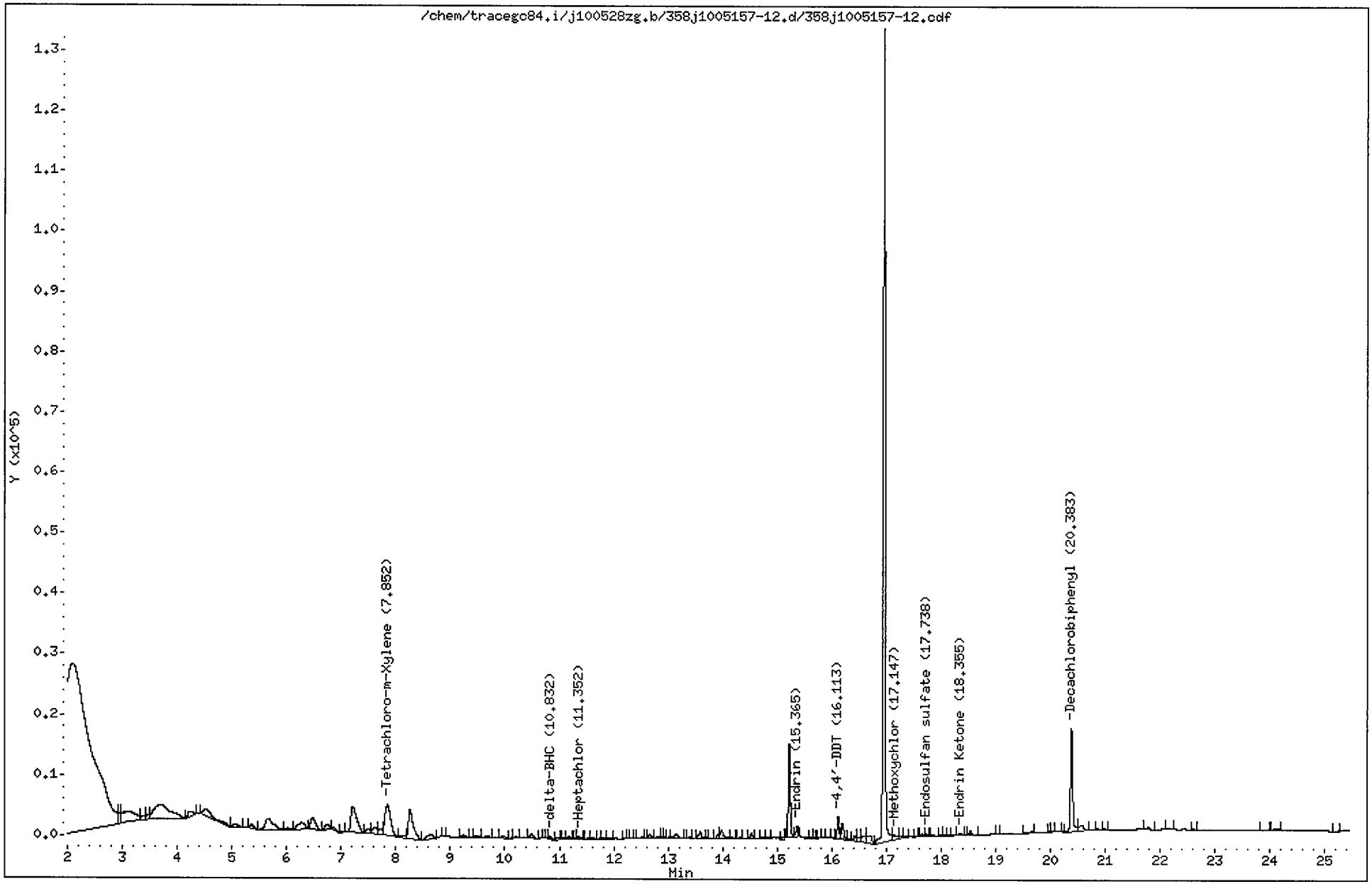
Sample Info: 1005157-12

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-12 Client Smp Id : SS64-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 00:11 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zg.b/8081A_clpestv6.m
Misc. Info : SS64-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 9(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.48		24734								
2.08		1022655								
2.95		5096								
3.10		30875								
3.43		3917								
3.47		3031								
3.69		49712								
4.23		4548								
4.52		12370								
5.04		3320								
5.24		167								
5.36		2984								
5.65		20062								
6.02		1979								
6.28		10306								
6.47		12962								
6.74		4588								
6.86		1915								
7.03		208								
7.21		31238								
7.49		3780								
7.62		6673								
7.71		4379								
7.85	7.77 7.91	37649	522758	Tetrachloro-m-Xylene	0.072018	13.19013		120.0	70 - 125	
8.11		1490								
8.26		29655								
8.65		5588								
8.88		125								
9.24		1431								
9.52		1638								
9.68		1439								
9.83		308								
9.97		2006								
10.20		514								
10.49		3075								
10.66		180								
10.72		295								

CompuChem

Lab Smp Id : 1005157-12 Client Smp Id : SS64-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 00:11 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg.b/8081A_clpestv6.m
Misc. Info : SS64-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 9(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
10.77		352								
10.83	10.77 10.91	1242	689518	delta-BHC	0.001801	0.329901	1.868132			J
10.95		1091								
11.08		342								
11.17		1282								
11.29		297								
11.35	11.29 11.43	1479	695465	Heptachlor	0.002127	0.389494	1.868132			J
11.53		173								
11.60		916								
11.75		199								
11.81		290								
11.93		754								
12.20		138								
12.33		221								
12.53		677								
12.66		1623								
12.81		738								
12.90		456								
12.94		309								
13.01		345								
13.14		3588								
13.38		385								
13.59		3974								
13.71		168								
13.92		1466								
13.98		5947								
14.13		422								
14.32		355								
14.53		1776								
14.73		181								
14.82		248								
15.10		1275								
15.22		38264								
15.36	15.33 15.47	4658	463071	Endrin	0.010059	1.842294	3.626374			JM
15.64		373								
15.68		517								
15.76		578								

2nd Col 6/10/10

CompuChem

Lab Smp Id : 1005157-12 Client Smp Id : SS64-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 00:11 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg.b/8081A_clpestv6.m
Misc. Info : SS64-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 9(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
15.83		201								
16.02		337								
16.11	16.08 16.22	9296	454781	4,4'-DDT	0.020438	3.743296	3.626374			
16.20		8707								
16.32		1212								
16.43		3527								
16.51		2690								
16.60		6540								
16.68		7954								
16.95		320842								
17.15	17.11 17.25	4538	194359	Methoxychlor	0.023349	4.276290	18.68132			J
17.27		1799								
17.35		1200								
17.55		186								
17.65		1105								
17.74	17.65 17.79	1009	392055	Endosulfan sulfate	0.002571	0.470892	3.626374			JM 2
17.77		243								
17.85		725								
18.00		424								
18.05		375								
18.24		748								
18.36	18.24 18.38	1111	457258	Endrin Ketone	0.002428	0.444600	3.626374			J
18.54		2325								
19.03		144								
19.65		650								
19.99		152								
20.06		378								
20.13		658								
20.38	20.33 20.47	48558	408350	Decachlorobiphenyl	0.118910	21.77843		99.1	55 - 130	
20.57		6287								
20.87		638								
20.99		440								
21.79		1625								
22.08		642								
22.15		674								
22.62		283								
23.90		569								

6/10/10

CompuChem

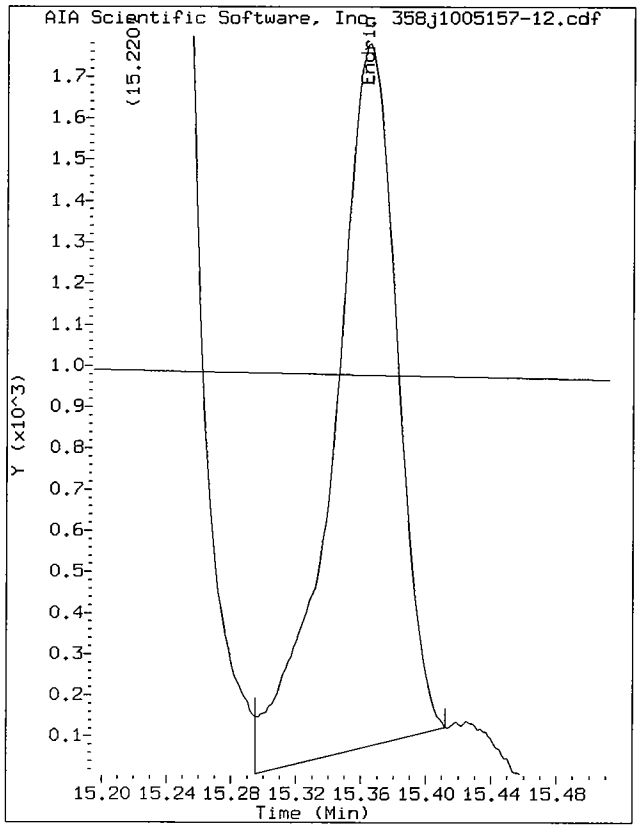
Lab Smp Id : 1005157-12 Client Smp Id : SS64-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 00:11 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg.b/8081A_clpestv6.m
Misc. Info : SS64-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 9(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
24.11		1038								
25.26		208								

Manually Integrated Peaks



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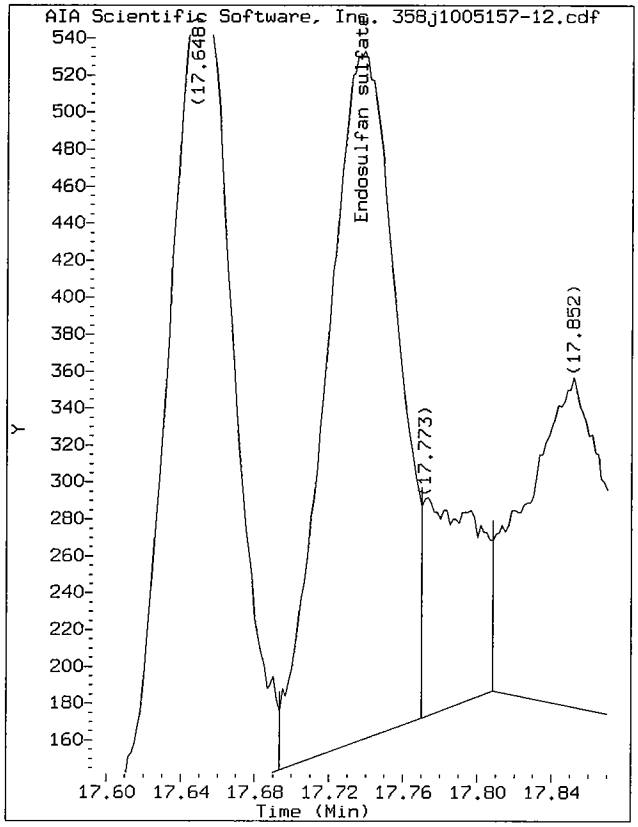

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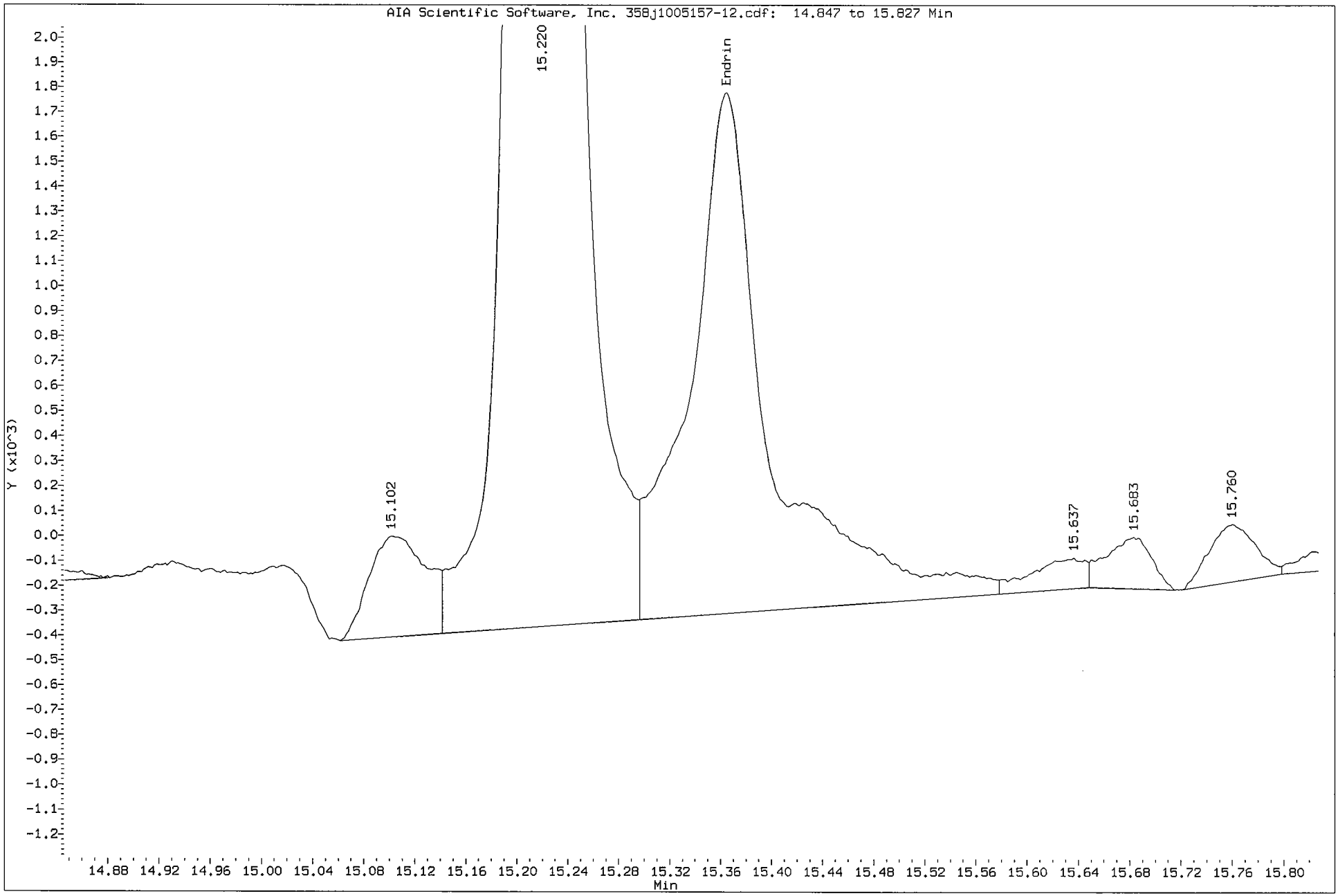
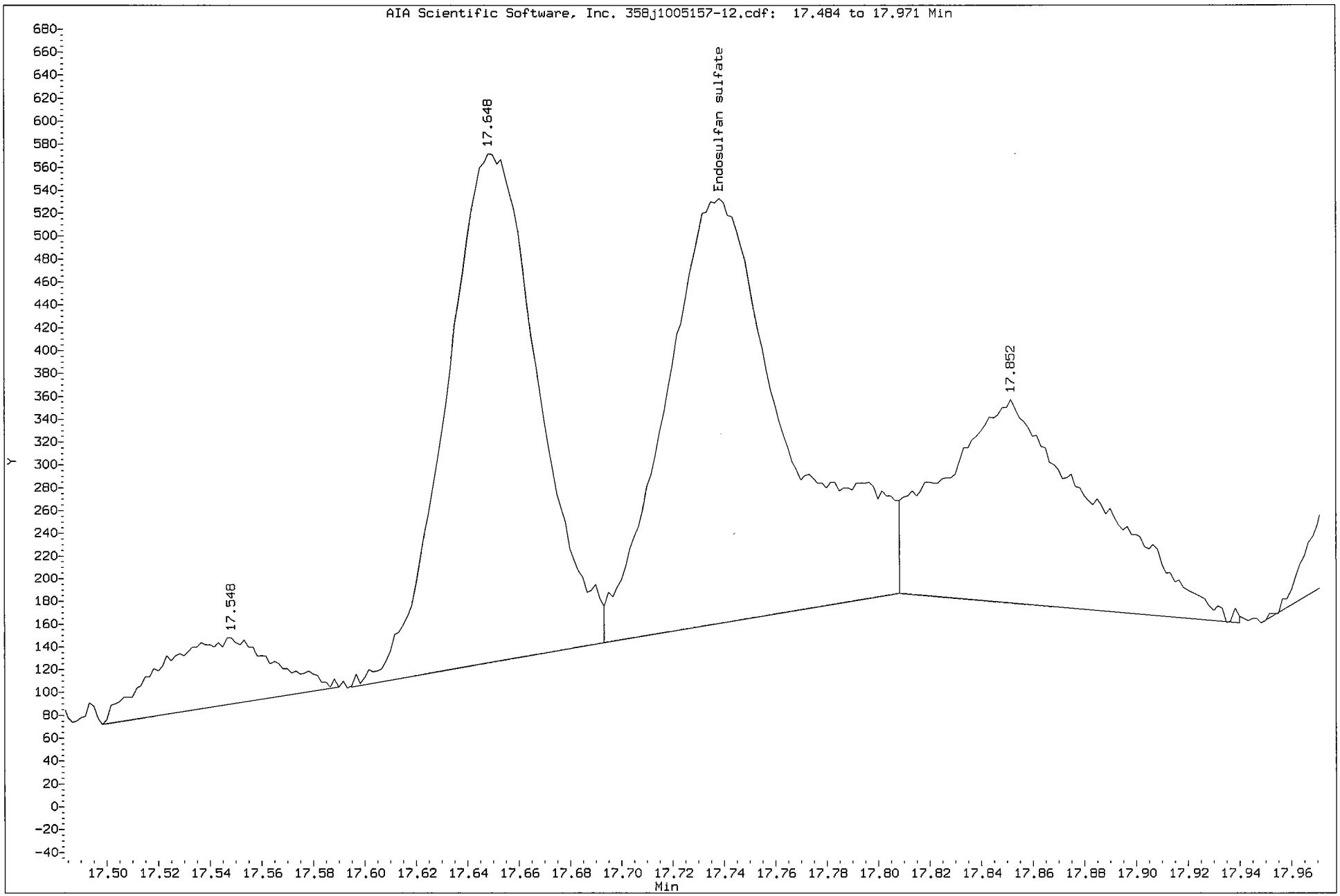
Injection Date: 09-JUN-2010 00:11
Instrument: tracegc84.i
Client Sample ID: SS64-0-1



Data File: /chem/tracegc84.i/j100528zg.b/358j1005157-12.d/358j1005157-12.cdf
Injection Date: 09-JUN-2010 00:11
Instrument: tracegc84.i
Client Sample ID: SS64-0-1



Data File: /chem/tracegc84.i/j100528zg_2C.b/358j1005157-12.d

Page 1

Date : 09-JUN-2010 00:11

Client ID: SS64-0-1

Instrument: tracegc84.i

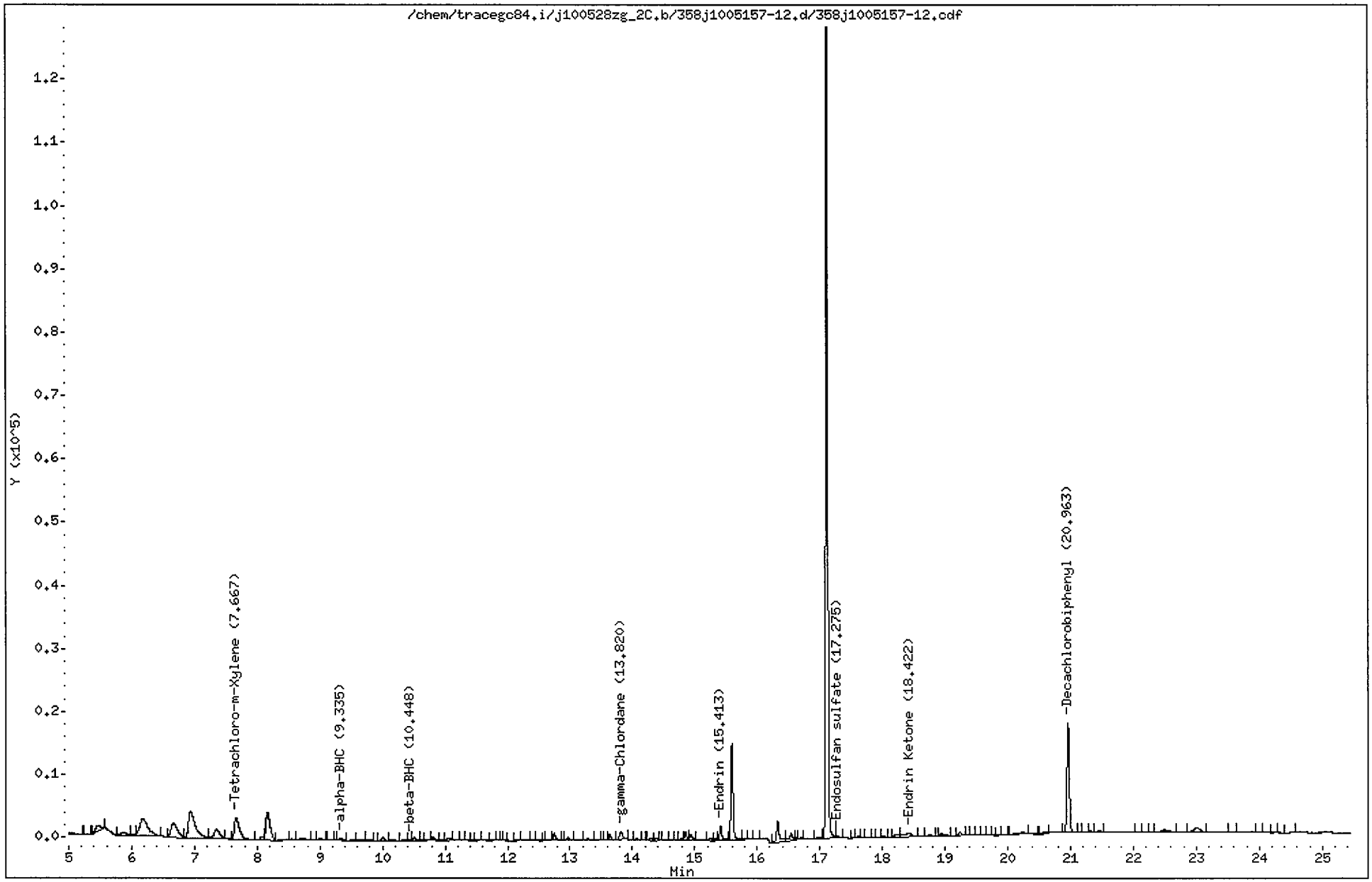
Sample Info: 1005157-12

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-12 Client Smp Id : SS64-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 00:11 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zg_2C.b/8081A_clpest2v6.m
Misc. Info : SS64-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 9(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.90			802314								
3.00			3349								
3.28			1450								
4.10			3074								
4.80			7365								
5.02			1242								
5.32			232								
5.47			5240								
5.86			4276								
6.03			1155								
6.18			25432								
6.66			16245								
6.94			33707								
7.34			9627								
7.53			533								
7.67	7.61	7.75	20128	416798	Tetrachloro-m-Xylene	0.048292	8.844695		80.5	70 - 125	
8.08			1328								
8.16			20599								
8.39			1159								
8.55			469								
8.71			1517								
9.00			917								
9.16			279								
9.26			285								
9.34	9.26	9.40	1490	607758	alpha-BHC	0.002450	0.448716	1.868132			J
9.51			614								
9.63			828								
9.76			474								
10.00			1616								
10.16			1035								
10.35			504								
10.45	10.41	10.55	560	248610	beta-BHC	0.002249	0.411813	1.868132			J
10.51			1521								
10.62			534								
10.73			701								
10.81			1770								
10.94			130								

CompuChem

Lab Smp Id : 1005157-12 Client Smp Id : SS64-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 00:11 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg_2C.b/8081A_clpest2v6.m
Misc. Info : SS64-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 9(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.06		1269								
11.27		326								
11.34		261								
11.43		149								
11.54		190								
11.63		287								
11.78		210								
11.84		323								
11.96		228								
12.17		241								
12.28		525								
12.48		186								
12.66		618								
12.75		2896								
12.96		1150								
13.28		1162								
13.43		239								
13.58		108								
13.64		2044								
13.82	13.71 13.85	4877	513150	gamma-Chlordane	0.009504	1.740667	1.868132			J
14.06		395								
14.17		92								
14.29		885								
14.38		616								
14.51		173								
14.62		95								
14.79		241								
14.85		3239								
14.94		2409								
15.25		949								
15.34		386								
15.41	15.40 15.54	5937	408649	Endrin	0.014528	2.660874	3.626374			J
15.60		36105								
15.79		341								
15.97		370								
16.33		10737								
16.54		3643								

CompuChem

Lab Smp Id : 1005157-12 Client Smp Id : SS64-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 00:11 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg_2C.b/8081A_clpest2v6.m
Misc. Info : SS64-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 9(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
16.64		593								
16.71		556								
16.97		287								
17.11		285550								
17.28	17.17 17.31	1048	366674	Endosulfan sulfate	0.002858	0.523466	3.626374			J
17.54		135								
17.61		561								
17.69		95								
17.76		265								
17.86		100								
18.02		597								
18.13		99								
18.24		1880								
18.42	18.30 18.44	5147	419519	Endrin Ketone	0.012269	2.247037	3.626374			J
18.60		450								
18.75		1080								
18.87		203								
18.94		2052								
19.24		1481								
19.43		106								
19.61		168								
19.77		350								
19.86		214								
19.97		133								
20.24		1773								
20.40		728								
20.59		1059								
20.96	20.90 21.04	44769	406698	Decachlorobiphenyl	0.110079	20.16105		91.7	55 - 130	
21.22		123								
21.31		422								
21.46		584								
22.09		232								
22.31		231		,						
22.50		3622								
23.01		4412								
23.57		248								
24.02		94								

CompuChem

Lab Smp Id : 1005157-12 Client Smp Id : SS64-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 00:11 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg_2C.b/8081A_clpest2v6.m
Misc. Info : SS64-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 9(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
24.24		124								
24.56		130								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS65-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-14

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	0.80	JP
319-84-6	alpha-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
72-54-8	4,4'-DDD	3.8	U
72-55-9	4,4'-DDE	3.8	U
50-29-3	4,4'-DDT	3.8	U
60-57-1	Dieldrin	3.8	U
959-98-8	Endosulfan I	2.0	U
33213-65-9	Endosulfan II	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
72-20-8	Endrin	3.8	U
7421-93-4	Endrin Aldehyde	1.1	JP
76-44-8	Heptachlor	0.45	J
1024-57-3	Heptachlor Epoxide	2.0	U
72-43-5	Methoxychlor	20	U
8001-35-2	Toxaphene	97	U
53494-70-5	Endrin Ketone	3.8	U
5103-74-2	gamma-Chlordane	2.0	U
5103-71-9	alpha-Chlordane	0.20	JP

Data File: /chem/tracegc84.i/j100528zh.b/364j1005157-14.d

Page 1

Date : 09-JUN-2010 03:04

Client ID: SS65-0-1

Instrument: tracegc84.i

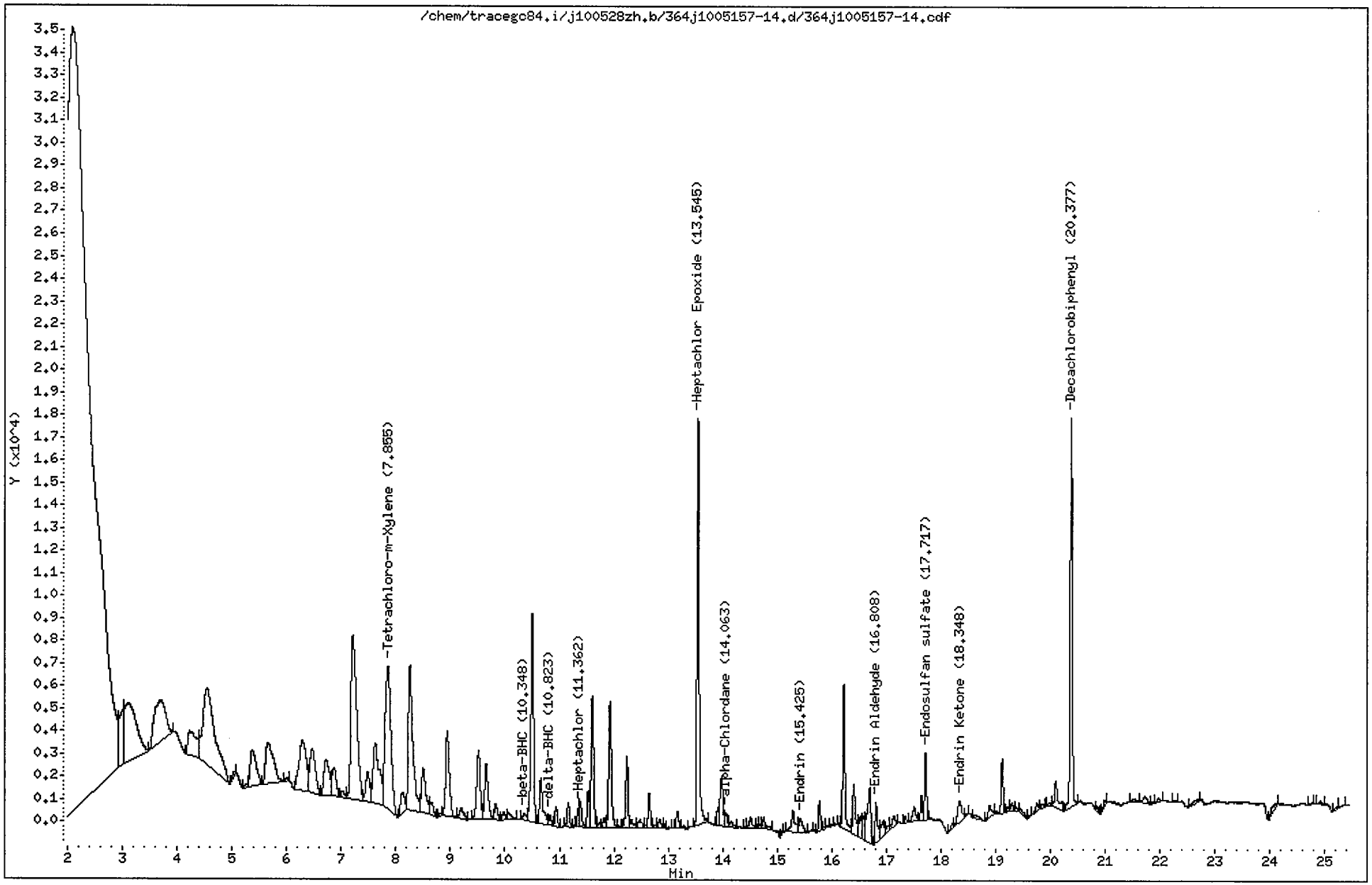
Sample Info: 1005157-14

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-14 Client Smp Id : SS65-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 03:04 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zh.b/8081A_clpestv6.m
Misc. Info : SS65-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.47			30771								
2.09			1234610								
3.02			14325								
3.12			38843								
3.68			25866								
4.23			11856								
4.54			53066								
5.04			962								
5.27			589								
5.37			12942								
5.67			18846								
6.00			512								
6.28			20574								
6.47			13778								
6.71			10746								
6.87			7116								
7.02			1411								
7.21			53493								
7.48			7037								
7.62			20917								
7.86	7.77	7.91	46677	522758	Tetrachloro-m-Xylene	0.089290	17.30426		148.8*	70 - 125	R
8.12			4670								
8.26			36679								
8.49			10634								
8.65			2142								
8.82			314								
8.94			17616								
9.20			2605								
9.51			14197								
9.65			10608								
9.83			2687								
9.97			1250								
10.06			1695								
10.35	10.34	10.48	1240	300532	beta-BHC	0.004126	0.799614	0.989535			J
10.50			31651								
10.65			8679								
10.82	10.77	10.91	1383	689518	delta-BHC	0.002004	0.388430	1.976744			J

6/10/10

CompuChem

Lab Smp Id : 1005157-14 Client Smp Id : SS65-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 03:04 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zh.b/8081A_clpestv6.m
Misc. Info : SS65-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
10.94		2720								
11.16		3296								
11.28		194								
11.36	11.29 11.43	2086	695465	Heptachlor	0.002999	0.581285	1.976744			JM 2
11.38		3333								
11.53		4506								
11.61		18596								
11.73		559								
11.82		1305								
11.93		18912								
12.09		200								
12.24		8898								
12.32		1364								
12.47		1716								
12.59		288								
12.65		4299								
12.76		492								
12.85		1413								
12.94		392								
13.02		198								
13.16		2272								
13.28		311								
13.54	13.42 13.56	49045	593700	Heptachlor Epoxide	0.082607	16.00918	1.976744			E
13.91		1624								
13.98		8643								
14.06	14.00 14.14	1762	516712	alpha-Chlordane	0.003408	0.660482	1.976744			J
14.16		1088								
14.41		128								
14.51		1705								
14.65		502								
14.70		513								
14.76		1767								
15.11		262								
15.29		4430								
15.42	15.33 15.47	2897	463071	Endrin	0.006254	1.211996	3.837209			J
15.67		180								
15.78		3056								

KEH 6/10/10

CompuChem

Lab Smp Id : 1005157-14 Client Smp Id : SS65-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 03:04 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zh.b/8081A_clpestv6.m
Misc. Info : SS65-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
15.85		223								
15.99		194								
16.10		205								
16.22		17868								
16.41		7349								
16.52		3634								
16.59		3481								
16.69		11262								
16.81	16.71 16.85	5258	348470	Endrin Aldehyde	0.015086	2.923633	3.837209			J
16.94		3266								
17.03		1047								
17.14		1759								
17.34		644								
17.51		2841								
17.64		2610								
17.72	17.65 17.79	7475	392055	Endosulfan sulfate	0.019066	3.695000	3.837209			J
18.20		710								
18.35	18.24 18.38	5216	457258	Endrin Ketone	0.011405	2.210262	3.837209			J
18.48		319								
18.63		1044								
18.89		2273								
19.01		316								
19.12		5796								
19.21		703								
19.30		1126								
19.36		395								
19.45		882								
19.63		128								
19.76		840								
19.85		396								
19.98		416								
20.10		5232								
20.38	20.33 20.47	44613	408350	Decachlorobiphenyl	0.109249	21.17237		91.0	55 - 130	
20.86		482								
20.99		720								
21.54		501								
21.73		1522								

CompuChem

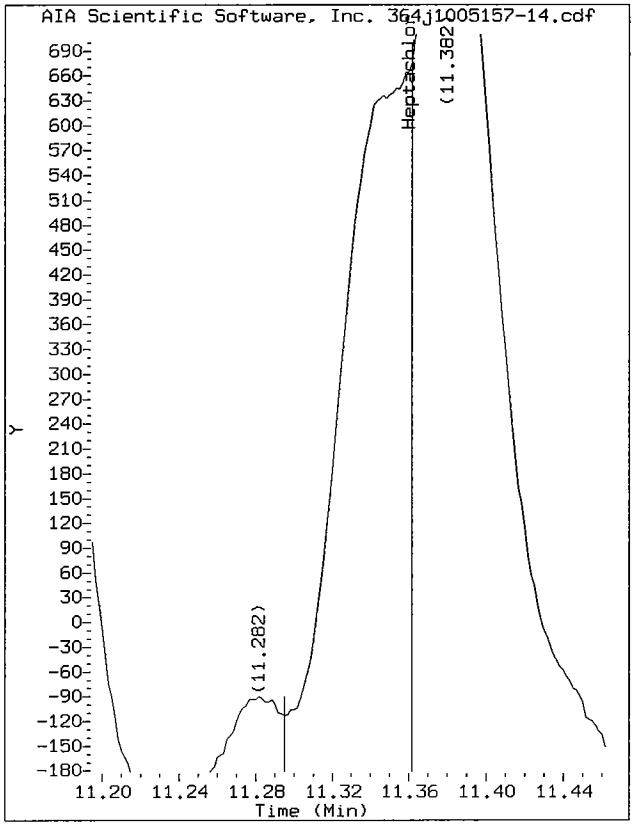
Lab Smp Id : 1005157-14 Client Smp Id : SS65-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 03:04 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zh.b/8081A_clpestv6.m
Misc. Info : SS65-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
21.85		289								
21.98		678								
22.28		199								
22.68		809								
24.11		1694								
24.78		148								
24.91		453								
25.22		516								
25.36		313								

Manually Integrated Peaks



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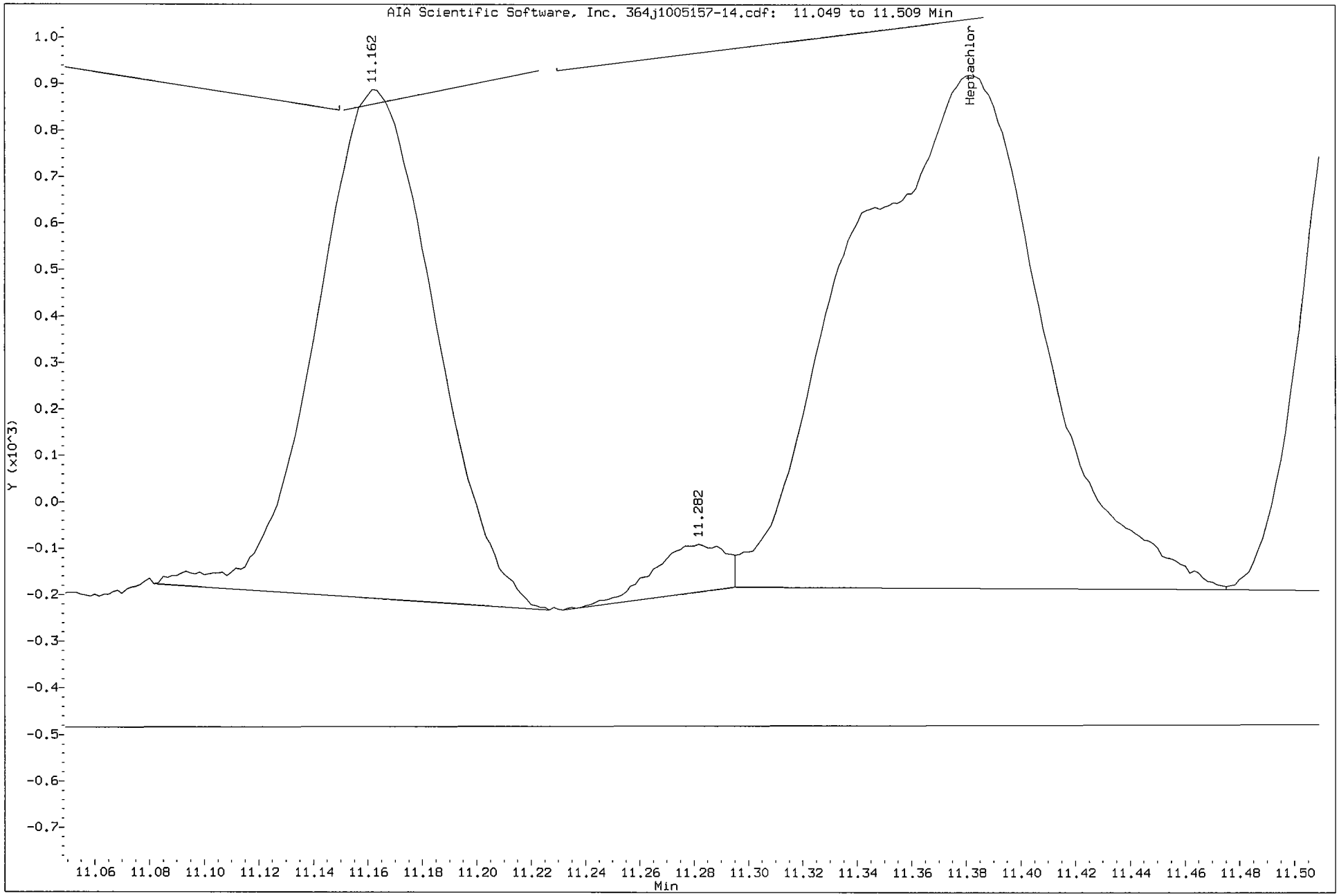
Data File: /chem/tracegc84.i/j100528zh.b/364j1005157-14.d/364j1005157-14.cdf
Injection Date: 09-JUN-2010 03:04
Instrument: tracegc84.i
Client Sample ID: SS65-0-1



Data File: /chem/tracegc84.i/j100528zh_2C.b/364j1005157-14.d

Date : 09-JUN-2010 03:04

Client ID: SS65-0-1

Instrument: tracegc84.i

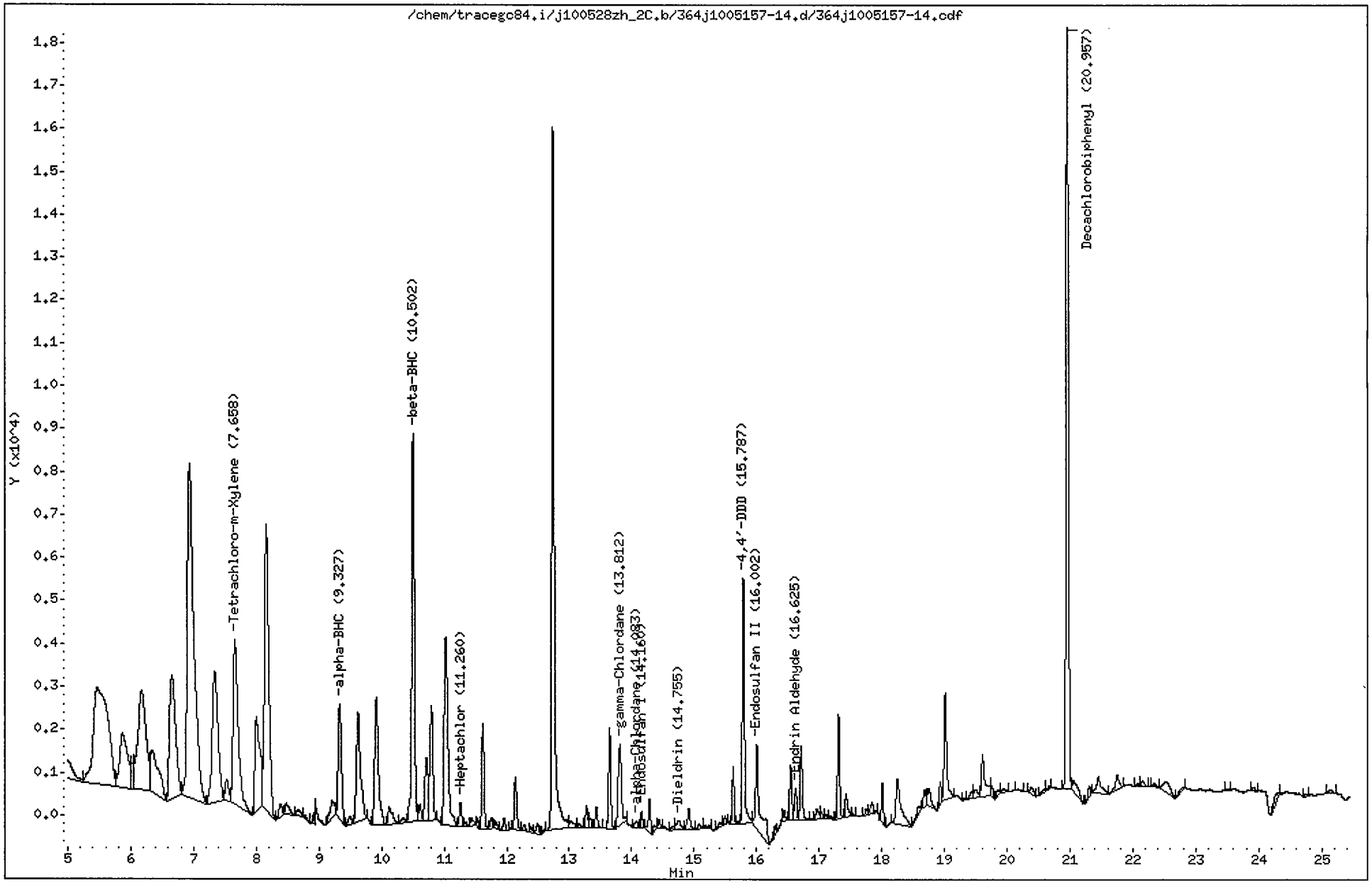
Sample Info: 1005157-14

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-14 Client Smp Id : SS65-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 03:04 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zh_2C.b/8081A_clpest2v6.m
Misc. Info : SS65-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.90			965860								
2.99			3111								
3.28			13240								
4.13			2436								
4.80			23177								
5.47			37323								
5.87			11304								
6.04			1819								
6.17			21121								
6.33			9537								
6.66			19717								
6.93			58521								
7.33			20020								
7.52			1951								
7.66	7.61	7.75	22195	416798	Tetrachloro-m-Xylene	0.053251	10.32002		88.8	70 - 125	
8.00			12892								
8.16			31136								
8.39			991								
8.48			1090								
8.67			687								
8.77			257								
8.95			659								
9.21			2179								
9.33	9.26	9.40	9681	607758	alpha-BHC	0.015929	3.087025	1.976744			
9.49			695								
9.62			11446								
9.91			12430								
10.12			1989								
10.34			449								
10.50	10.41	10.55	26272	248610	beta-BHC	0.105672	20.47898	1.976744			E
10.61			1139								
10.71			5074								
10.79			9313								
11.02			18419								
11.26	11.22	11.36	1340	579497	Heptachlor	0.002312	0.448130	1.976744			J
11.34			194								
11.43			583								

6/10/10

CompuChem

Lab Smp Id : 1005157-14 Client Smp Id : SS65-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 03:04 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zh_2C.b/8081A_clpest2v6.m
Misc. Info : SS65-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.53		430								
11.62		6162								
11.76		687								
11.82		444								
11.96		738								
12.14		3364								
12.28		431								
12.38		325								
12.49		625								
12.59		142								
12.74		45713								
13.03		773								
13.16		353								
13.28		1342								
13.34		551								
13.44		1275								
13.65		5795								
13.81	13.71 13.85	7023	513150	gamma-Chlordane	0.013686	2.652337	1.976744			
14.08	14.04 14.18	470	446248	alpha-Chlordane	0.001051	0.203680	1.976744			J
14.16	14.15 14.29	781	477982	Endosulfan I	0.001632	0.316252	1.976744			J
14.29		1820								
14.36		362								
14.44		463								
14.66		190								
14.76	14.75 14.89	1038	461929	Dieldrin	0.002247	0.435484	3.837209			J
14.92		1561								
15.08		382								
15.17		344								
15.42		365								
15.49		377								
15.62		2692								
15.70		96								
15.79	15.67 15.81	14400	340626	4,4'-DDD	0.042272	8.192275	3.837209			
16.00	15.86 16.00	8735	404930	Endosulfan II	0.021569	4.180070	3.837209			
16.30		468								
16.41		240								
16.44		540								

CompuChem

Lab Smp Id : 1005157-14 Client Smp Id : SS65-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 03:04 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zh_2C.b/8081A_clpest2v6.m
Misc. Info : SS65-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
16.54		3185								
16.62	16.59 16.73	1870	316985	Endrin Aldehyde	0.005899	1.143282	3.837209			J
16.71		4253								
16.87		122								
16.97		795								
17.03		372								
17.11		197								
17.19		186								
17.31		5522								
17.43		1566								
17.53		144								
17.75		350								
17.85		907								
18.01		1889								
18.25		5860								
18.59		678								
18.68		1124								
18.75		1793								
18.93		1218								
19.01		7123								
19.32		114								
19.45		551								
19.50		818								
19.61		3891								
19.75		729								
19.86		435								
19.95		359								
20.17		121								
20.38		564								
20.60		386								
20.68		240								
20.96	20.90 21.04	45293	406698	Decachlorobiphenyl	0.111365	21.58243		92.8	55 - 130	
21.06		1680								
21.31		592								
21.45		2223								
21.75		1414								
22.09		194								

CompuChem

Lab Smp Id : 1005157-14 Client Smp Id : SS65-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 03:04 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zh_2C.b/8081A_clpest2v6.m
Misc. Info : SS65-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
22.16		460								
22.34		212								
22.53		1854								
22.80		419								
23.52		115								
23.92		251								
24.31		927								
24.75		144								
25.13		261								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS66-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-13

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 50 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	3.4	U
319-85-7	beta-BHC	12	P
319-84-6	alpha-BHC	3.4	U
319-86-8	delta-BHC	0.34	JP
58-89-9	gamma-BHC (Lindane)	3.4	U
72-54-8	4,4'-DDD	6.6	U
72-55-9	4,4'-DDE	6.6	U
50-29-3	4,4'-DDT	6.6	U
60-57-1	Dieldrin	6.6	U
959-98-8	Endosulfan I	3.4	U
33213-65-9	Endosulfan II	6.6	U
1031-07-8	Endosulfan sulfate	6.6	U
72-20-8	Endrin	6.6	U
7421-93-4	Endrin Aldehyde	6.6	U
76-44-8	Heptachlor	1.3	JP
1024-57-3	Heptachlor Epoxide	3.4	U
72-43-5	Methoxychlor	34	U
8001-35-2	Toxaphene	170	U
53494-70-5	Endrin Ketone	6.6	U
5103-74-2	gamma-Chlordane	3.4	U
5103-71-9	alpha-Chlordane	3.4	U

Data File: /chem/tracegc84.i/j100528zh.b/363j1005157-13.d

Page 1

Date : 09-JUN-2010 02:35

Client ID: SS66-0-1

Instrument: tracegc84.i

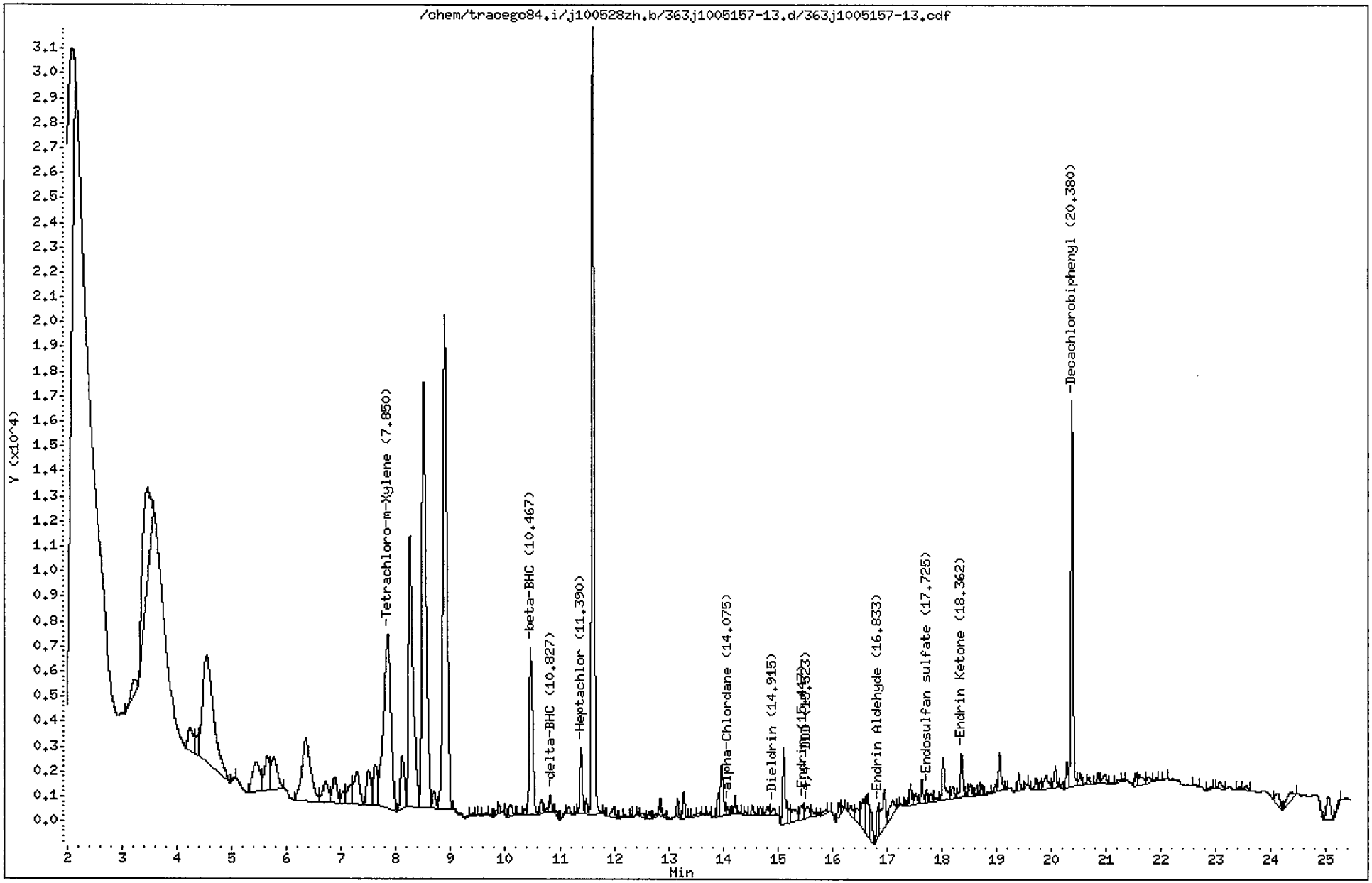
Sample Info: 1005157-13

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-13 Client Smp Id : SS66-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 02:35 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zh.b/8081A_clpestv6.m
Misc. Info : SS66-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 50(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.48			13340								
2.08			87797								
3.22			3824								
3.47			38519								
4.23			6748								
4.38			2549								
4.54			62241								
5.04			326								
5.45			12114								
5.64			8990								
5.76			10458								
6.35			28595								
6.71			6372								
6.87			6167								
7.03			2366								
7.18			5226								
7.29			9311								
7.49			7581								
7.62			8820								
7.85	7.77	7.91	65462	522758	Tetrachloro-m-Xylene	0.125222	41.74083		208.7*	70 - 125	R
8.11			11029								
8.26			63320								
8.50			91627								
8.69			2785								
8.89			101781								
9.41			282								
9.54			135								
9.71			141								
9.83			489								
9.89			1196								
10.10			2161								
10.26			152								
10.35			678								
10.47	10.34	10.48	28379	300532	beta-BHC	0.094426	31.47524	1.702000			E
10.66			1604								
10.77			519								
10.83	10.77	10.91	1688	689518	delta-BHC	0.002448	0.816030	3.400000			J

CompuChem

Lab Smp Id : 1005157-13 Client Smp Id : SS66-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 02:35 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zh.b/8081A_clpestv6.m
Misc. Info : SS66-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 50(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
10.94		401								
11.10		364								
11.16		893								
11.29		131								
11.39	11.29 11.43	7898	695465	Heptachlor	0.011355	3.784998	3.400000			
11.48		1627								
11.61		99288								
11.80		386								
11.99		2232								
12.12		190								
12.19		341								
12.32		191								
12.44		276								
12.52		728								
12.65		876								
12.77		331								
12.84		1675								
12.93		386								
13.16		1903								
13.28		2858								
13.47		217								
13.54		580								
13.70		517								
13.91		2123								
13.98		8397								
14.08	14.00 14.14	917	516712	alpha-Chlordane	0.001775	0.591560	3.400000			J
14.22		1888								
14.29		204								
14.41		392								
14.54		1341								
14.68		863								
14.82		1552								
14.92	14.82 14.96	1468	515556	Dieldrin	0.002845	0.948490	6.600000			J
15.11		9963								
15.21		1661								
15.28		3434								
15.45	15.33 15.47	2849	463071	Endrin	0.006152	2.050800	6.600000			J

CompuChem

Lab Smp Id : 1005157-13 Client Smp Id : SS66-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 02:35 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zh.b/8081A_clpestv6.m
Misc. Info : SS66-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 50(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
15.52	15.48 15.62	2195	393458	4,4'-DDD	0.005579	1.859582	6.600000			J
15.63		1093								
15.87		618								
15.93		151								
16.12		1839								
16.18		654								
16.35		1943								
16.45		2485								
16.56		6542								
16.64		6801								
16.71		3256								
16.83	16.71 16.85	4129	348470	Endrin Aldehyde	0.011846	3.948690	6.600000			J
16.95		8370								
17.10		4383								
17.22		122								
17.34		481								
17.43		2384								
17.53		1435								
17.64		2504								
17.72	17.65 17.79	1225	392055	Endosulfan sulfate	0.003125	1.041521	6.600000			J
17.81		990								
17.87		761								
18.03		6436								
18.20		1848								
18.36	18.24 18.38	6124	457258	Endrin Ketone	0.013391	4.463568	6.600000			J
18.48		519								
18.53		1564								
18.64		135								
18.69		313								
18.73		967								
18.85		223								
18.98		866								
19.06		4649								
19.16		178								
19.41		1981								
19.53		346								
19.72		1347								

CompuChem

Lab Smp Id : 1005157-13 Client Smp Id : SS66-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 02:35 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zh.b/8081A_clpestv6.m
Misc. Info : SS66-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 50(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
19.80		845								
19.91		2886								
20.08		3031								
20.20		577								
20.29		2887								
20.38	20.33 20.47	40512	408350	Decachlorobiphenyl	0.099207	33.06885		82.7	55 - 130	
20.54		1601								
20.62		200								
20.68		1092								
20.86		1215								
20.98		1837								
21.10		190								
21.23		290								
21.32		231								
21.54		1519								
21.61		2418								
21.79		1156								
21.92		493								
22.06		189								
22.63		401								
22.90		353								
23.07		1262								
23.43		404								
23.55		937								
24.12		2420								
24.37		2866								
25.05		4891								
25.27		1019								

Data File: /chem/tracegc84.i/j100528zh_2C.b/363j1005157-13.d

Date : 09-JUN-2010 02:35

Client ID: SS66-0-1

Instrument: tracegc84.i

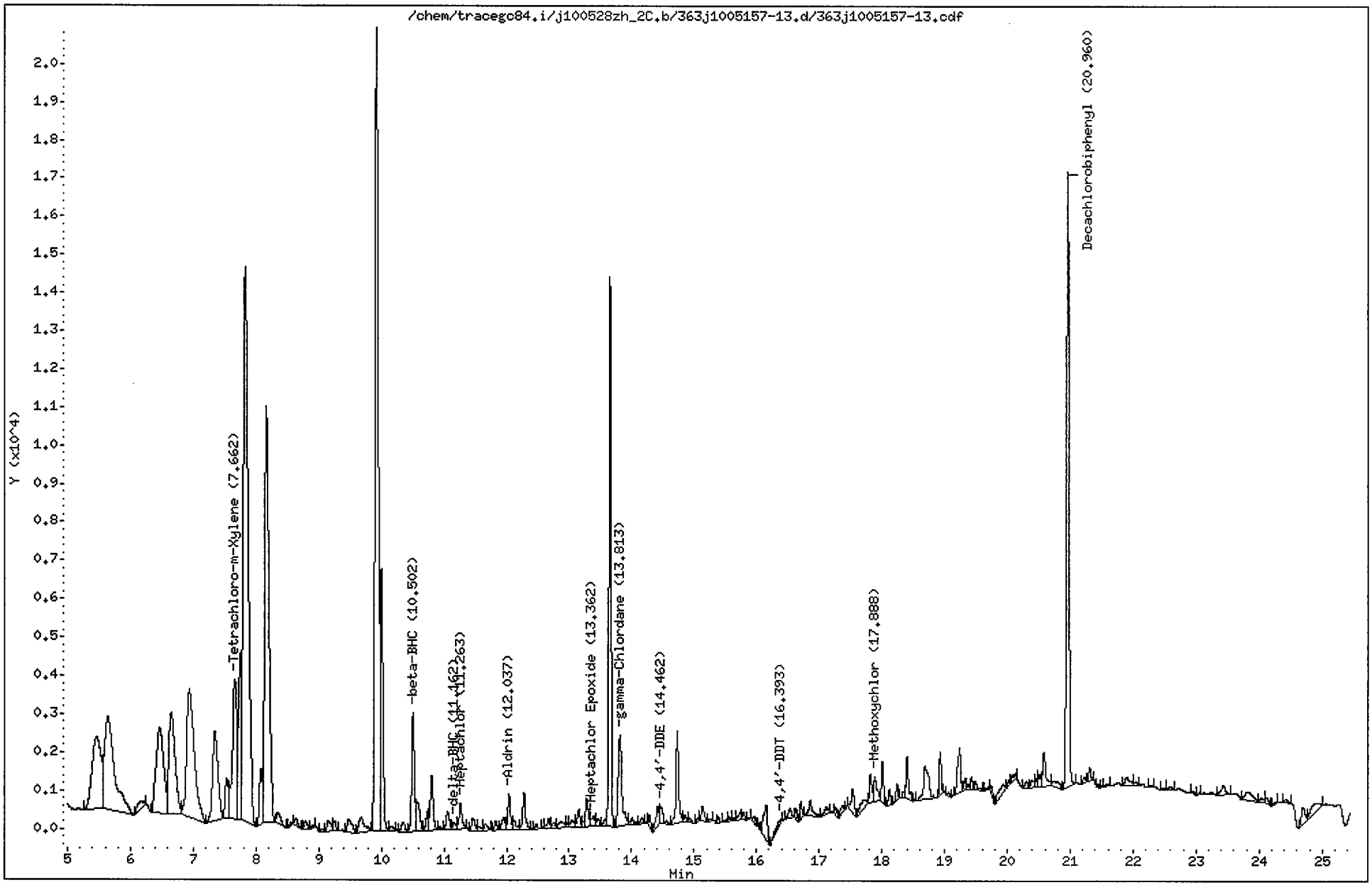
Sample Info: 1005157-13

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-13 Client Smp Id : SS66-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 02:35 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zh_2C.b/8081A_clpest2v6.m
Misc. Info : SS66-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 50(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.07		95								
1.90		833738								
2.70		204								
2.94		18975								
3.80		3534								
4.12		18142								
4.80		11242								
5.46		18603								
5.64		26818								
6.17		1345								
6.46		18323								
6.65		18492								
6.94		29258								
7.35		14145								
7.53		3833								
7.66	7.61 7.75	18837	416798	Tetrachloro-m-Xylene	0.045192	15.06407		75.3	70 - 125	
7.75		12752								
7.83		79910								
8.08		4268								
8.16		50780								
8.35		1497								
8.57		187								
8.63		725								
8.79		675								
8.91		181								
9.05		181								
9.15		1177								
9.24		782								
9.48		1675								
9.68		2511								
9.92		75402								
10.00		20104								
10.16		439								
10.35		1023								
10.50	10.41 10.55	9040	248610	beta-BHC	0.036358	12.11938	3.400000			
10.57		3066								
10.73		1400								

6/10/10

CompuChem

Lab Smp Id : 1005157-13 Client Smp Id : SS66-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 02:35 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zh_2C.b/8081A_clpest2v6.m
Misc. Info : SS66-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 50(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
10.80		4689								
10.93		262								
11.05		1651								
11.16	11.11 11.25	559	551235	delta-BHC	0.001014	0.338029	3.400000			J
11.26	11.22 11.36	2253	579497	Heptachlor	0.003888	1.295951	3.400000			J
11.46		1298								
11.56		449								
11.66		633								
11.82		603								
11.95		1291								
12.04	11.97 12.11	2602	542192	Aldrin	0.004797	1.599063	3.400000			J
12.12		962								
12.28		2871								
12.47		303								
12.59		110								
12.68		869								
12.75		443								
12.86		950								
12.96		334								
13.04		776								
13.15		1408								
13.23		267								
13.28		2441								
13.36	13.29 13.43	947	511912	Heptachlor Epoxide	0.001850	0.616642	3.400000			J
13.46		631								
13.58		502								
13.65		34563								
13.81	13.71 13.85	9862	513150	gamma-Chlordane	0.019217	6.405534	3.400000			
14.01		663								
14.16		475								
14.29		676								
14.42		1487								
14.46	14.43 14.57	1832	468602	4,4'-DDE	0.003909	1.303166	6.600000			J
14.73		7009								
14.85		437								
14.93		294								
15.06		207								

CompuChem

Lab Smp Id : 1005157-13 Client Smp Id : SS66-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 02:35 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zh_2C.b/8081A_clpest2v6.m
Misc. Info : SS66-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 50(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
15.13		1320								
15.26		154								
15.39		346								
15.52		224								
15.56		311								
15.64		219								
15.73		599								
15.79		475								
15.88		105								
15.96		460								
16.03		194								
16.15		3855								
16.39	16.33 16.47	1283	405929	4,4'-DDT	0.003161	1.053551	6.600000			J
16.53		825								
16.63		574								
16.70		874								
16.86		1729								
17.11		923								
17.27		543								
17.37		721								
17.53		1920								
17.71		1364								
17.82		1848								
17.89	17.79 17.93	2419	182916	Methoxychlor	0.013225	4.408223	34.00000			J
18.01		2505								
18.12		1010								
18.24		1023								
18.34		352								
18.40		2961								
18.69		5178								
18.93		2560								
19.06		181								
19.24		4025								
19.32		701								
19.38		314								
19.43		637								
19.50		653								

CompuChem

Lab Smp Id : 1005157-13 Client Smp Id : SS66-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 02:35 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zh_2C.b/8081A_clpest2v6.m
Misc. Info : SS66-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 50(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
19.66		190								
19.75		563								
19.94		1635								
20.02		208								
20.08		616								
20.30		471								
20.39		724								
20.47		405								
20.51		942								
20.58		3076								
20.75		1056								
20.96	20.90 21.04	42007	406698	Decachlorobiphenyl	0.103286	34.42854		86.1	55 - 130	
21.23		450								
21.31		854								
21.45		106								
21.58		166								
21.89		1282								
22.05		303								
22.29		126								
22.48		118								
22.58		309								
22.95		191								
23.05		127								
23.43		1172								
23.82		1792								
24.04		299								
24.12		481								
24.26		129								
24.42		259								
24.70		1655								
24.94		2170								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS66-0-1DL

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-13RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 50 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

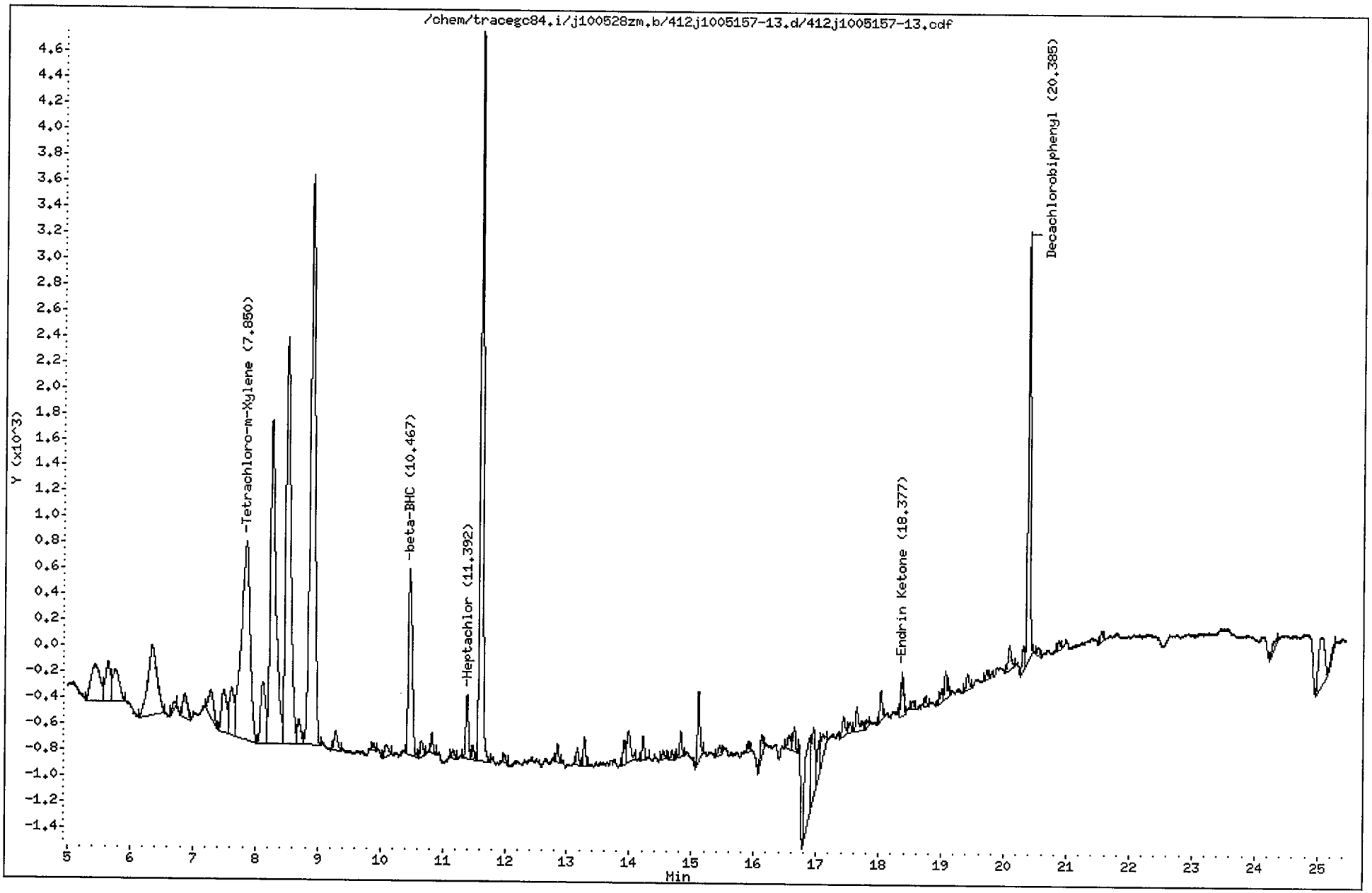
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	17	U
319-85-7	beta-BHC	12	DJP
319-84-6	alpha-BHC	17	U
319-86-8	delta-BHC	17	U
58-89-9	gamma-BHC (Lindane)	17	U
72-54-8	4,4'-DDD	33	U
72-55-9	4,4'-DDE	33	U
50-29-3	4,4'-DDT	33	U
60-57-1	Dieldrin	33	U
959-98-8	Endosulfan I	17	U
33213-65-9	Endosulfan II	33	U
1031-07-8	Endosulfan sulfate	33	U
72-20-8	Endrin	33	U
7421-93-4	Endrin Aldehyde	33	U
76-44-8	Heptachlor	17	U
1024-57-3	Heptachlor Epoxide	17	U
72-43-5	Methoxychlor	170	U
8001-35-2	Toxaphene	830	U
53494-70-5	Endrin Ketone	33	U
5103-74-2	gamma-Chlordane	17	U
5103-71-9	alpha-Chlordane	17	U

FORM I PEST

Data File: /chem/tracegc84.i/j100528zm.b/412j1005157-13.d
Date : 11-JUN-2010 02:46
Client ID: SS66-0-1DL
Sample Info: 1005157-13RE1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-13RE1 Client Smp Id : SS66-0-1DL
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 02:46 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zm.b/8081A_clpestv6.m
Misc. Info : SS66-0-1DL

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 5.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 50(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.35			273								
1.47			54523								
2.07			317392								
3.47			4805								
4.28			2045								
4.53			388								
5.44			2804								
5.64			1679								
5.76			1884								
6.34			5555								
6.71			166								
6.86			894								
7.29			1163								
7.50			1862								
7.62			1942								
7.85	7.77	7.91	14791	522758	Tetrachloro-m-Xylene	0.028292	47.15380		235.8*	70 - 125	R
8.11			2607								
8.26			15176								
8.50			17354								
8.69			842								
8.89			22845								
9.29			606								
9.88			144								
10.10			406								
10.47	10.34	10.48	6155	300532	beta-BHC	0.020480	34.13386	17.00000			
10.66			404								
10.83			376								
11.16			219								
11.39	11.29	11.43	1440	695465	Heptachlor	0.002069	3.448532	17.00000			J
11.48			299								
11.61			18121								
11.99			166								
12.85			340								
13.16			339								
13.28			584								
13.91			474								
13.99			1092								

HeH 6/11/10

CompuChem

Lab Smp Id : 1005157-13RE1 Client Smp Id : SS66-0-1DL
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 02:46 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zm.b/8081A_clpestv6.m
Misc. Info : SS66-0-1DL

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 5.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 50(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
14.22		479								
14.54		207								
14.68		176								
14.82		490								
15.11		1445								
15.45		202								
15.91		167								
16.13		513								
16.56		405								
16.65		518								
16.89		4061								
16.96		2341								
17.05		755								
17.11		1075								
17.43		505								
17.53		237								
17.64		686								
17.81		155								
18.03		621								
18.38	18.24 18.38	969	457258	Endrin Ketone	0.002119	3.531927	33.00000			J
18.54		198								
18.75		171								
19.01		268								
19.06		754								
19.41		353								
19.72		187								
20.08		627								
20.30		507								
20.38	20.33 20.47	8747	408350	Decachlorobiphenyl	0.021420	35.70058		89.3	55 - 130	
20.55		193								
20.87		196								
21.55		266								
24.34		257								
25.06		2558								
25.27		242								

Data File: /chem/tracegc84.i/j100528zm_2C.b/412j1005157-13.d

Date : 11-JUN-2010 02:46

Client ID: SS66-0-1DL

Sample Info: 1005157-13RE1

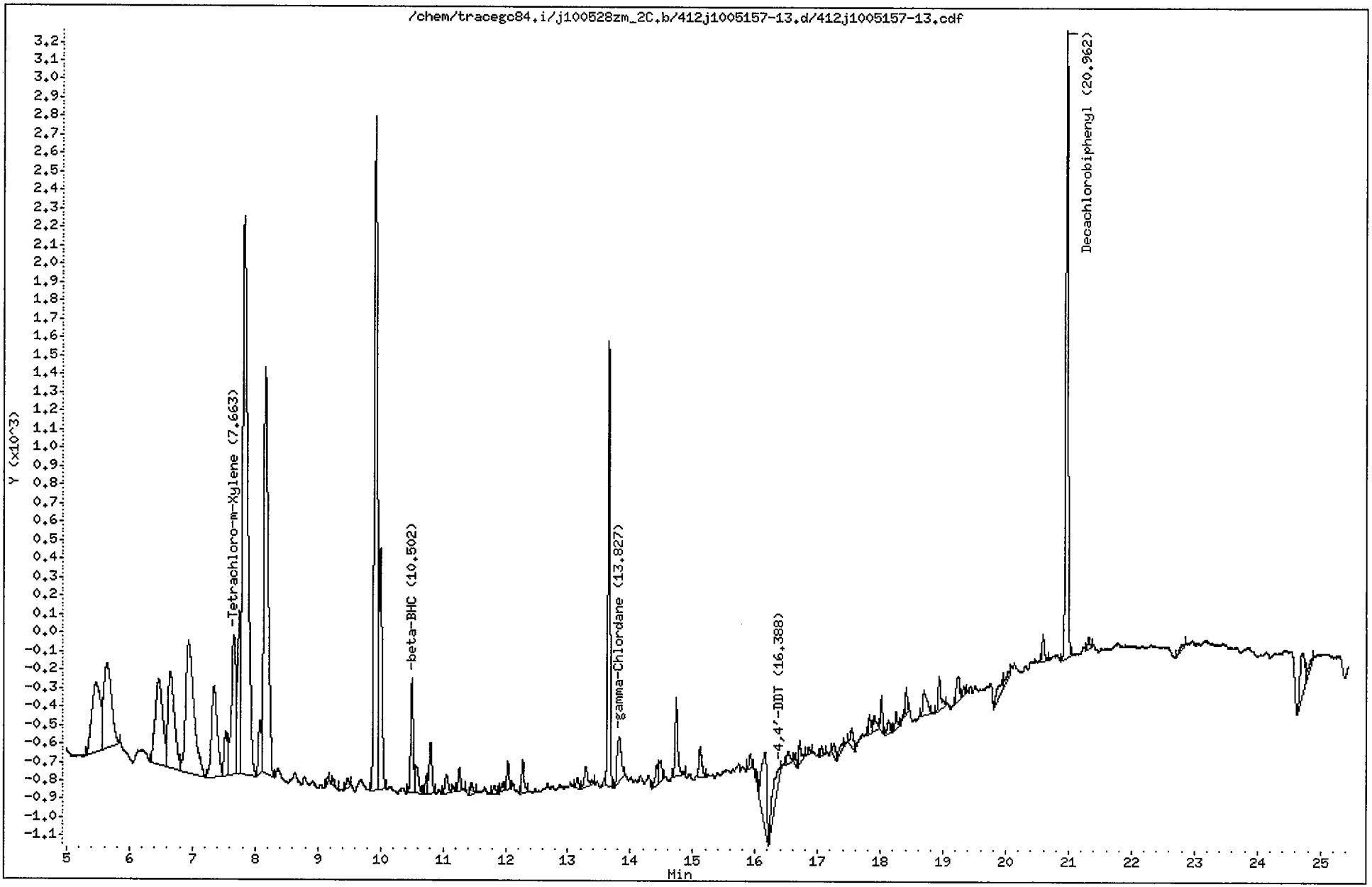
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-13RE1 Client Smp Id : SS66-0-1DL
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 02:46 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zm_2C.b/8081A_clpest2v6.m
Misc. Info : SS66-0-1DL

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 5.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 50(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.87		300043								
2.94		4388								
3.29		442								
4.13		4203								
4.79		166								
5.47		3493								
5.65		3985								
6.47		3891								
6.64		3878								
6.94		6578								
7.35		3153								
7.53		874								
7.66	7.61 7.75	3962	416798	Tetrachloro-m-Xylene	0.009506	15.84303		79.2	70 - 125	
7.75		2733								
7.82		17074								
8.07		864								
8.16		10292								
9.15		91								
9.25		95								
9.47		160								
9.92		12690								
10.00		4050								
10.50	10.41 10.55	1730	248610	beta-BHC	0.006955	11.59111	17.00000			J
10.57		561								
10.73		238								
10.80		864								
11.06		361								
11.26		364								
11.46		206								
11.83		129								
11.96		112								
12.04		358								
12.28		491								
13.15		146								
13.28		470								
13.65		5897								
13.83	13.71 13.85	1144	513150	gamma-Chlordane	0.002227	3.712365	17.00000			J

6/11/10

CompuChem

Lab Smp Id : 1005157-13RE1 Client Smp Id : SS66-0-1DL
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 02:46 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zm_2C.b/8081A_clpest2v6.m
Misc. Info : SS66-0-1DL

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 5.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 50(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
14.42		340								
14.49		388								
14.73		1212								
15.12		522								
15.92		182								
16.03		157								
16.16		2225								
16.39	16.33 16.47	1323	405929	4,4'-DDT	0.003259	5.431988	33.00000			J
16.53		231								
16.64		143								
16.71		351								
16.86		98								
17.06		122								
17.26		213								
17.39		168								
17.53		348								
17.82		247								
17.90		267								
18.01		413								
18.13		202								
18.25		222								
18.41		314								
18.69		611								
18.94		584								
19.24		483								
19.33		114								
19.96		518								
20.04		161								
20.59		391								
20.96	20.90 21.04	8667	406698	Decachlorobiphenyl	0.021308	35.51370		88.8	55 - 130	
21.32		147								
22.82		131								
24.71		1282								
24.88		249								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS69-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	0.24	JP
319-85-7	beta-BHC	2.0	U
319-84-6	alpha-BHC	0.67	BJP
319-86-8	delta-BHC	0.33	JP
58-89-9	gamma-BHC (Lindane)	0.58	J
72-54-8	4,4'-DDD	3.8	U
72-55-9	4,4'-DDE	3.8	U
50-29-3	4,4'-DDT	3.8	U
60-57-1	Dieldrin	3.8	U
959-98-8	Endosulfan I	2.0	U
33213-65-9	Endosulfan II	3.8	U
1031-07-8	Endosulfan sulfate	1.8	JP
72-20-8	Endrin	3.8	U
7421-93-4	Endrin Aldehyde	0.53	JP
76-44-8	Heptachlor	2.0	U
1024-57-3	Heptachlor Epoxide	0.25	JP
72-43-5	Methoxychlor	20	U
8001-35-2	Toxaphene	97	U
53494-70-5	Endrin Ketone	3.8	U
5103-74-2	gamma-Chlordane	0.49	JP
5103-71-9	alpha-Chlordane	2.0	U

FORM I PEST

Data File: /chem/tracegc84.i/j100528zg.b/354j1005157-08.d

Page 1

Date : 08-JUN-2010 22:15

Client ID: SS69-0-1

Instrument: tracegc84.i

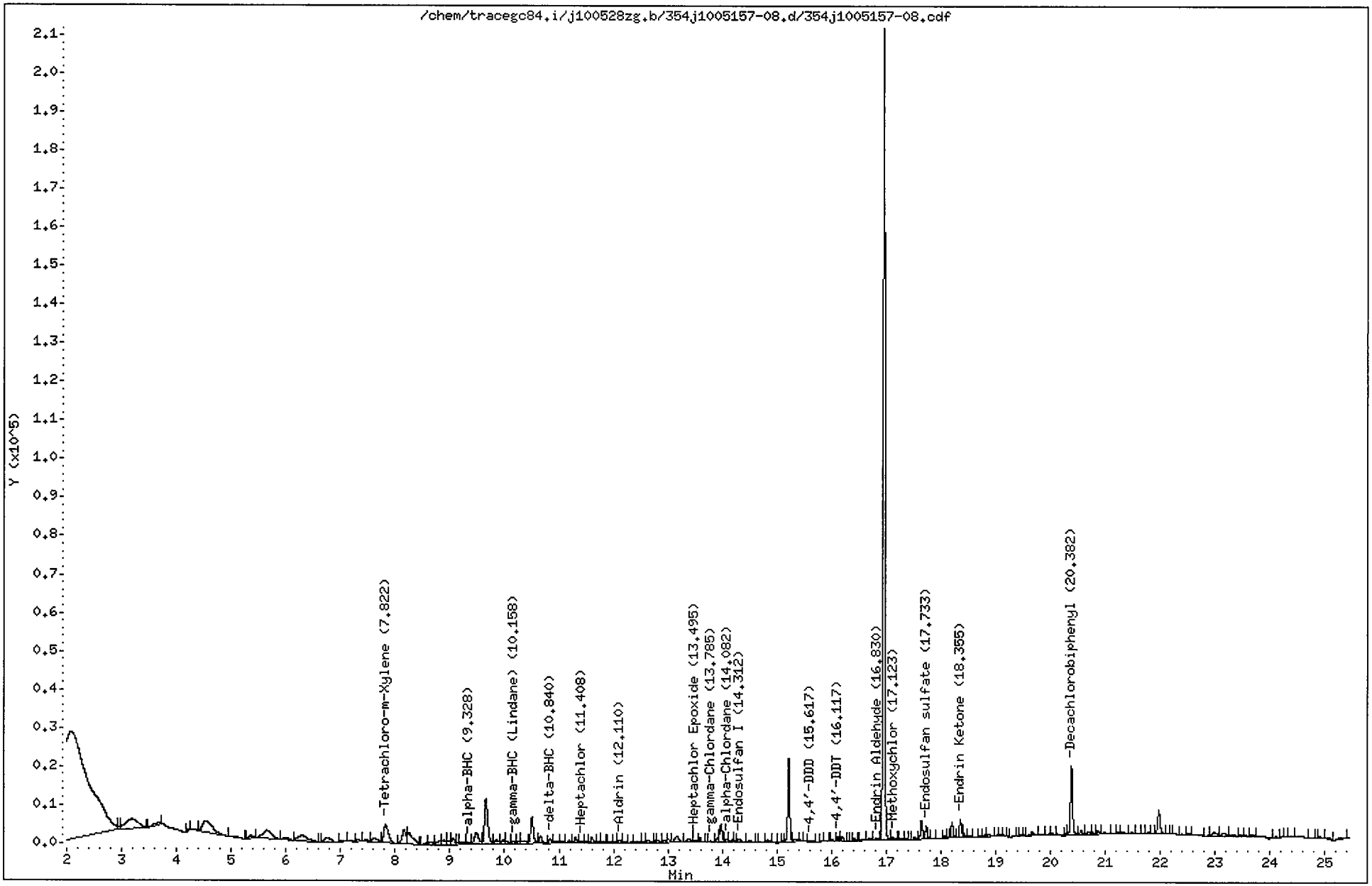
Sample Info: 1005157-08

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-08 Client Smp Id : SS69-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 22:15 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zg.b/8081A_clpestv6.m
Misc. Info : SS69-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.14			856								
1.24			212								
1.48			27967								
2.08			1022994								
2.97			1654								
3.19			40022								
3.67			4367								
4.24			707								
4.54			36576								
5.02			2897								
5.35			3946								
5.65			25120								
5.98			4124								
6.29			16993								
6.75			9499								
7.05			1679								
7.16			538								
7.32			2057								
7.47			3124								
7.62			7974								
7.82	7.77	7.91	28102	522758	Tetrachloro-m-Xylene	0.053755	10.41770		89.6	70 - 125	
8.16			18224								
8.25			21789								
8.58			2512								
8.65			3289								
8.81			5030								
8.89			6239								
8.98			4758								
9.06			6498								
9.17			1399								
9.24			4002								
9.33	9.29	9.43	2668	775960	alpha-BHC	0.003437	0.666092	1.976744			J
9.48			17978								
9.65			49823								
9.84			5640								
9.97			4024								
10.04			2606								

6/10/10

CompuChem

Lab Smp Id : 1005157-08 Client Smp Id : SS69-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 22:15 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg.b/8081A_clpestv6.m
Misc. Info : SS69-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
10.16	10.11 10.25	2454	729192	gamma-BHC (Lindane)	0.003365	0.652203	1.976744			J
10.27		1841								
10.33		4072								
10.51		24217								
10.66		7511								
10.84	10.77 10.91	3090	689518	delta-BHC	0.004480	0.868206	1.976744			J
10.95		1609								
11.04		1628								
11.19		2225								
11.30		3828								
11.41	11.29 11.43	969	695465	Heptachlor	0.001393	0.270022	1.976744			J
11.51		949								
11.60		4565								
11.73		426								
11.80		419								
11.94		737								
12.03		806								
12.11	12.01 12.15	1773	636570	Aldrin	0.002784	0.539471	1.976744			J
12.19		1412								
12.33		694								
12.45		1280								
12.55		582								
12.64		3017								
12.77		869								
12.81		1583								
12.93		2311								
13.01		3109								
13.16		9060								
13.38		5514								
13.50	13.42 13.56	2004	593700	Heptachlor Epoxide	0.003375	0.654155	1.976744			J
13.59		3350								
13.71		266								
13.78	13.70 13.84	1503	594875	gamma-Chlordane	0.002525	0.489322	1.976744			J
13.91		2919								
13.97		16608								
14.08	14.00 14.14	2666	516712	alpha-Chlordane	0.005160	0.999911	1.976744			J
14.18		2289								

CompuChem

Lab Smp Id : 1005157-08 Client Smp Id : SS69-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 22:15 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg.b/8081A_clpestv6.m
Misc. Info : SS69-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
14.22		757								
14.31	14.29 14.43	3307	548162	Endosulfan I	0.006031	1.168810	1.976744			J
14.50		1482								
14.72		661								
14.84		1673								
14.95		704								
15.07		492								
15.11		153								
15.22		53268								
15.33		2385								
15.43		909								
15.62	15.48 15.62	805	393458	4,4'-DDD	0.002046	0.396505	3.837209			J
15.74		284								
15.82		502								
15.91		441								
16.01		919								
16.12	16.08 16.22	2339	454781	4,4'-DDT	0.005141	0.996305	3.837209			J
16.20		2863								
16.32		143								
16.42		1128								
16.57		767								
16.69		1738								
16.83	16.71 16.85	1600	348470	Endrin Aldehyde	0.004589	0.889269	3.837209			J
16.95		482261								
17.12	17.11 17.25	2735	194359	Methoxychlor	0.014067	2.726115	19.76744			J
17.28		889								
17.35		677								
17.52		1729								
17.64		11918								
17.73	17.65 17.79	7721	392055	Endosulfan sulfate	0.019694	3.816602	3.837209			J
17.87		481								
18.02		211								
18.06		1772								
18.14		383								
18.20		10846								
18.36	18.24 18.38	11907	457258	Endrin Ketone	0.026038	5.046094	3.837209			
18.41		3225								

CompuChem

Lab Smp Id : 1005157-08 Client Smp Id : SS69-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 22:15 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg.b/8081A_clpestv6.m
Misc. Info : SS69-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
18.52		1559								
18.65		291								
18.71		628								
18.81		1508								
18.88		2948								
19.03		1295								
19.09		944								
19.14		850								
19.36		471								
19.46		646								
19.53		164								
19.67		2641								
19.98		781								
20.04		1222								
20.13		1618								
20.29		1116								
20.38	20.33 20.47	47746	408350	Decachlorobiphenyl	0.116922	22.65926		97.4	55 - 130	
20.55		2855								
20.69		2952								
20.76		1442								
20.86		2196								
20.99		2213								
21.17		726								
21.24		756								
21.32		2139								
21.49		914								
21.70		178								
21.78		1026								
21.87		1174								
21.97		20216								
22.13		239								
22.27		399								
22.39		547								
22.51		1492								
22.89		789								
22.99		5583								
23.17		5440								

CompuChem

Lab Smp Id : 1005157-08 Client Smp Id : SS69-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 22:15 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg.b/8081A_clpestv6.m
Misc. Info : SS69-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
23.29		1843								
23.48		282								
23.69		610								
24.11		996								
24.23		134								
24.37		607								
24.76		549								
24.91		412								
25.05		2144								
25.37		2467								

Data File: /chem/tracegc84.i/j100528zg_2C.b/354j1005157-08.d

Date : 08-JUN-2010 22:15

Client ID: SS69-0-1

Instrument: tracegc84.i

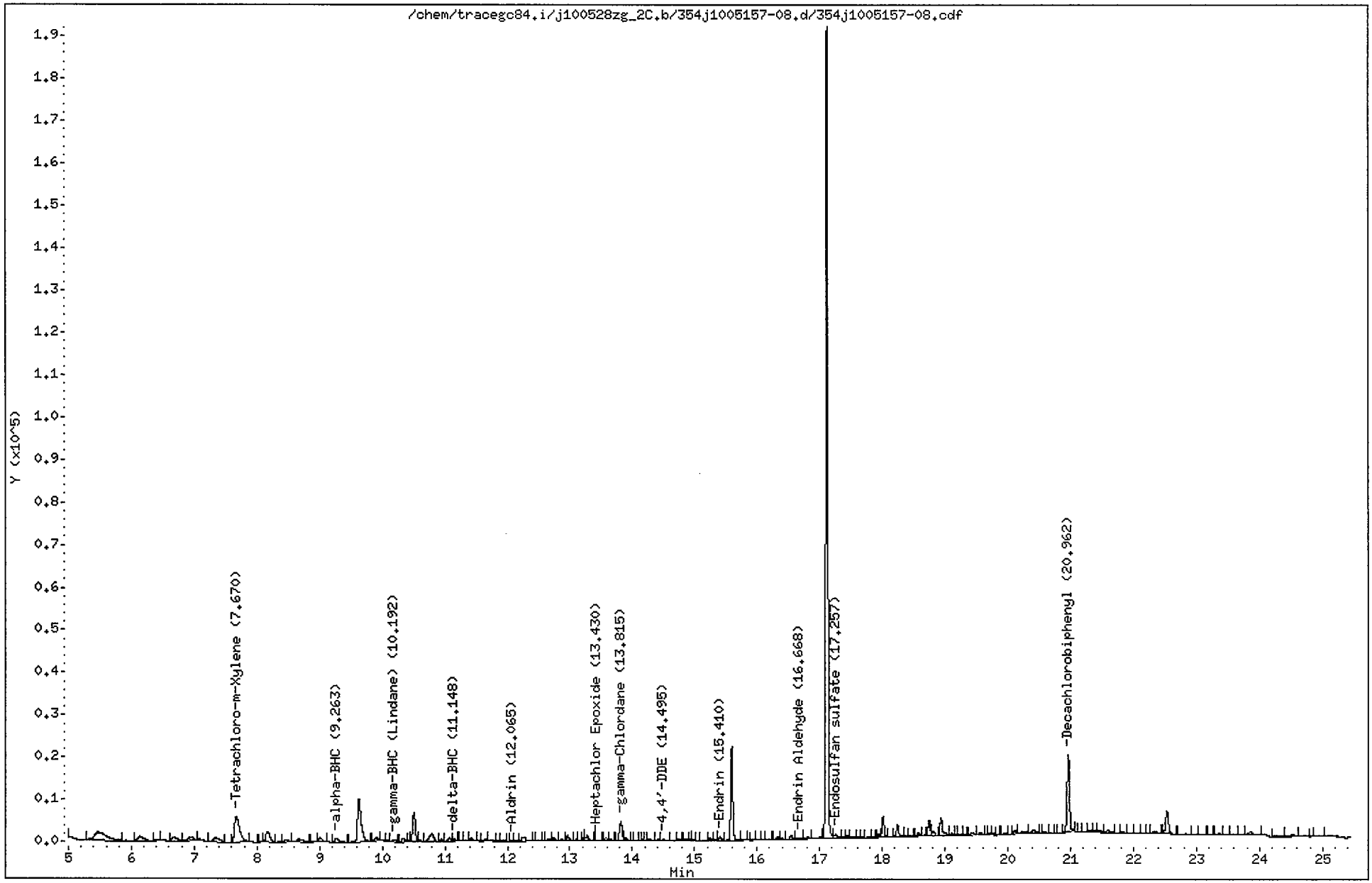
Sample Info: 1005157-08

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-08 Client Smp Id : SS69-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 22:15 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zg_2C.b/8081A_clpest2v6.m
Misc. Info : SS69-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.07			104								
1.13			358								
1.25			224								
1.89			880950								
2.73			12946								
2.95			45096								
3.28			588								
3.84			99								
3.95			109								
4.12			29844								
4.80			6122								
4.94			303								
5.47			24833								
5.91			469								
6.14			8064								
6.41			537								
6.49			571								
6.67			5264								
6.96			4971								
7.09			1584								
7.35			7567								
7.54			402								
7.67	7.61	7.75	35877	416798	Tetrachloro-m-Xylene	0.086075	16.68127		143.5*	70 - 125	R
7.91			451								
8.08			343								
8.16			11651								
8.35			341								
8.47			1831								
8.66			4815								
8.90			473								
9.01			3921								
9.13			226								
9.26	9.26	9.40	4541	607758	alpha-BHC	0.007472	1.448010	1.976744			J
9.63			42016								
9.90			3176								
10.01			677								
10.08			167								

6/10/10

CompuChem

Lab Smp Id : 1005157-08 Client Smp Id : SS69-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 22:15 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg_2C.b/8081A_clpest2v6.m
Misc. Info : SS69-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
10.19	10.17 10.31	1752	585542	gamma-BHC (Lindane)	0.002992	0.579864	1.976744			J
10.34		2669								
10.45		397								
10.51		19416								
10.57		635								
10.79		9049								
10.94		1432								
11.07		1766								
11.15	11.11 11.25	935	551235	delta-BHC	0.001694	0.328368	1.976744			J
11.27		312								
11.33		351								
11.43		1631								
11.53		379								
11.65		1376								
11.72		672								
11.83		245								
11.95		670								
12.06	11.97 12.11	674	542192	Aldrin	0.001243	0.240911	1.976744			J
12.13		350								
12.24		4012								
12.49		890								
12.66		960								
12.74		1955								
12.87		746								
12.96		3622								
13.10		446								
13.16		169								
13.22		941								
13.28		3099								
13.43	13.29 13.43	660	511912	Heptachlor Epoxide	0.001289	0.249861	1.976744			J
13.58		1381								
13.64		871								
13.82	13.71 13.85	13567	513150	gamma-Chlordane	0.026439	5.123772	1.976744			
13.90		1419								
14.06		421								
14.17		339								
14.29		798								

CompuChem

Lab Smp Id : 1005157-08 Client Smp Id : SS69-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 22:15 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg_2C.b/8081A_clpest2v6.m
Misc. Info : SS69-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
14.42		624								
14.50	14.43 14.57	1157	468602	4,4'-DDE	0.002469	0.478497	3.837209			J
14.63		251								
14.75		633								
14.85		726								
14.93		599								
14.97		816								
15.12		613								
15.25		1274								
15.34		480								
15.41	15.40 15.54	1794	408649	Endrin	0.004388	0.850316	3.837209			J
15.59		49749								
15.76		509								
15.95		132								
16.02		207								
16.19		427								
16.32		2020								
16.40		817								
16.54		2356								
16.67	16.59 16.73	874	316985	Endrin Aldehyde	0.002754	0.533735	3.837209			J
16.81		1604								
17.01		2317								
17.11		429014								
17.26	17.17 17.31	3388	366674	Endosulfan sulfate	0.009237	1.790135	3.837209			J
17.37		498								
17.44		875								
17.54		457								
17.61		198								
17.68		248								
17.77		474								
17.86		287								
17.95		1328								
18.01		11406								
18.14		300								
18.24		7766								
18.37		785								
18.46		393								

CompuChem

Lab Smp Id : 1005157-08 Client Smp Id : SS69-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 22:15 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg_2C.b/8081A_clpest2v6.m
Misc. Info : SS69-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
18.58		2412								
18.67		657								
18.75		10001								
18.82		2766								
18.93		12294								
19.11		1461								
19.18		299								
19.23		894								
19.32		221								
19.43		1376								
19.57		1183								
19.66		289								
19.71		1071								
19.77		655								
19.85		243								
19.95		594								
20.11		1873								
20.23		2260								
20.42		3113								
20.59		875								
20.68		256								
20.77		90								
20.83		133								
20.96	20.90 21.04	46727	406698	Decachlorobiphenyl	0.114894	22.26623		95.7	55 - 130	
21.16		146								
21.22		611								
21.31		1144								
21.38		1244								
21.46		1600								
21.60		1904								
21.73		110								
21.84		551								
21.93		321								
22.04		164								
22.16		142								
22.34		1648								
22.53		17582								

CompuChem

Lab Smp Id : 1005157-08 Client Smp Id : SS69-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 22:15 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg_2C.b/8081A_clpest2v6.m
Misc. Info : SS69-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 14(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
22.83		1437								
23.08		345								
23.23		123								
23.36		741								
23.47		520								
23.59		258								
23.86		2932								
24.32		2401								
24.53		2290								
24.86		108								
24.94		828								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS70-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 2 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.7	U
319-85-7	beta-BHC	1.1	J
319-84-6	alpha-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
72-54-8	4,4'-DDD	3.4	U
72-55-9	4,4'-DDE	3.4	U
50-29-3	4,4'-DDT	3.4	U
60-57-1	Dieldrin	3.4	U
959-98-8	Endosulfan I	1.7	U
33213-65-9	Endosulfan II	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
72-20-8	Endrin	3.4	U
7421-93-4	Endrin Aldehyde	3.4	U
76-44-8	Heptachlor	0.25	J
1024-57-3	Heptachlor Epoxide	1.7	U
72-43-5	Methoxychlor	17	U
8001-35-2	Toxaphene	85	U
53494-70-5	Endrin Ketone	3.4	U
5103-74-2	gamma-Chlordane	1.7	U
5103-71-9	alpha-Chlordane	1.7	U

Data File: /chem/tracegc84.i/j100528zg.b/352j1005157-06.d

Page 1

Date : 08-JUN-2010 21:18

Client ID: SS70-0-1

Instrument: tracegc84.i

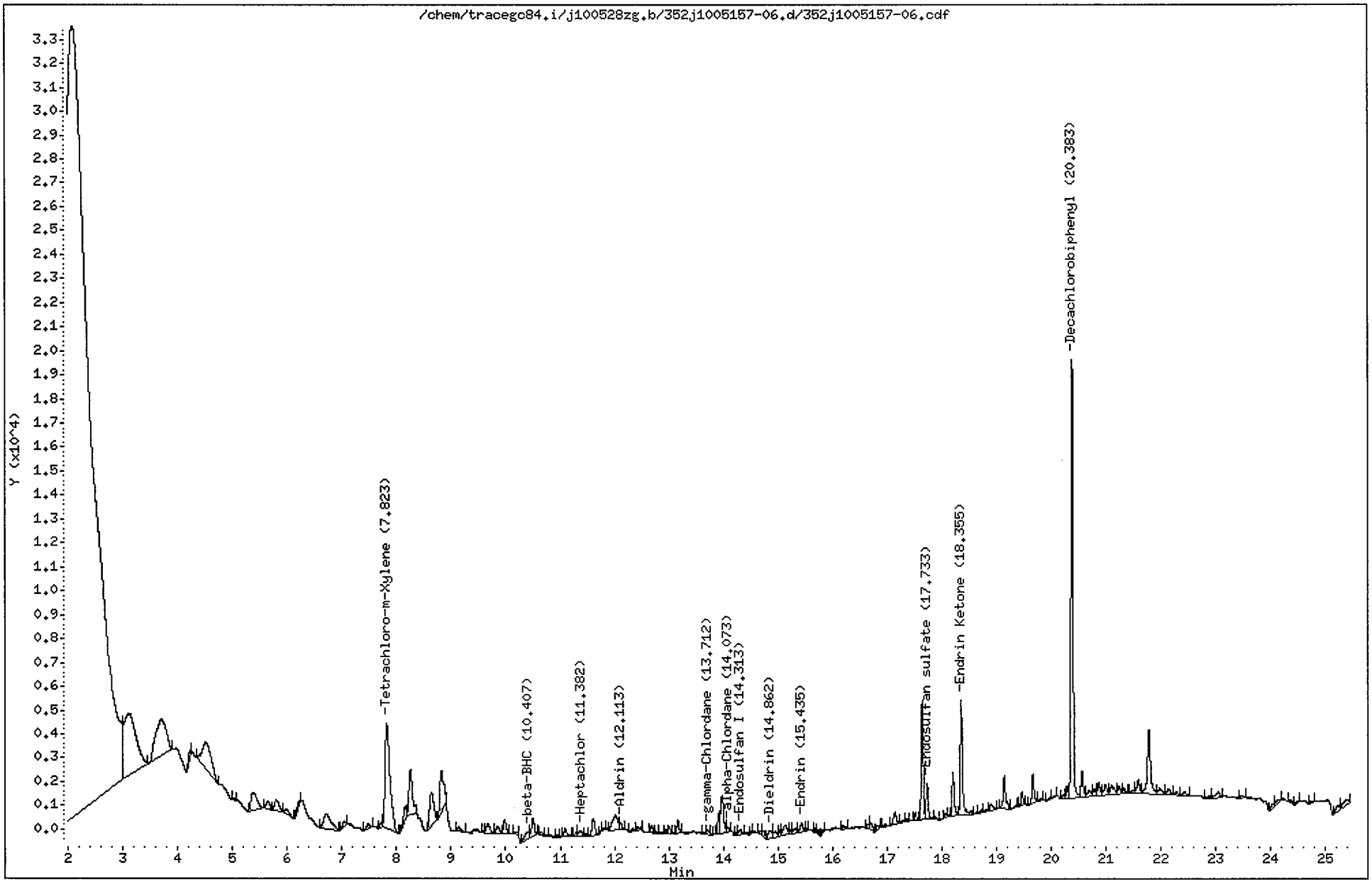
Sample Info: 1005157-06

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-06 Client Smp Id : SS70-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 21:18 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zg.b/8081A_clpestv6.m
Misc. Info : SS70-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 2(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.48		29822								
1.72		60722								
2.08		1180248								
3.10		38772								
3.70		20640								
4.23		1190								
4.52		12879								
5.03		198								
5.38		6038								
5.64		1489								
5.81		2737								
5.98		1116								
6.24		833								
6.71		5600								
7.04		836								
7.49		937								
7.74		644								
7.82	7.77 7.91	27725	522758	Tetrachloro-m-Xylene	0.053034	9.019413		88.4	70 - 125	
8.16		2391								
8.26		8340								
8.64		7831								
8.82		8335								
9.14		851								
9.60		127								
9.68		1782								
9.86		1326								
9.98		2065								
10.18		312								
10.41	10.34 10.48	1930	300532	beta-BHC	0.006422	1.092166	0.868367			
10.50		2732								
10.66		365								
10.76		237								
10.82		315								
10.94		274								
11.09		1227								
11.30		586								
11.38	11.29 11.43	1146	695465	Heptachlor	0.001646	0.279997	1.734694			J

6/10/10

CompuChem

Lab Smp Id : 1005157-06 Client Smp Id : SS70-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 21:18 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg.b/8081A_clpestv6.m
Misc. Info : SS70-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 2(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.47		213								
11.61		2587								
11.75		151								
11.81		254								
12.02		4180								
12.11	12.01 12.15	783	636570	Aldrin	0.001230	0.209189	1.734694			J
12.34		394								
12.43		585								
12.68		790								
12.76		161								
12.86		181								
12.95		286								
13.01		666								
13.17		1378								
13.64		125								
13.71		547								
13.77		63								
13.91		2039								
13.98		5967								
14.07	14.00 14.14	611	516712	alpha-Chlordane	0.001182	0.201101	1.734694			J
14.24		193								
14.31	14.29 14.43	732	548162	Endosulfan I	0.001334	0.226794	1.734694			J
14.43		300								
14.51		168								
14.67		357								
14.74		945								
14.86	14.82 14.96	1519	515556	Dieldrin	0.002946	0.501077	3.367347			J
14.95		1110								
15.04		687								
15.13		2159								
15.23		596								
15.31		769								
15.44	15.33 15.47	1364	463071	Endrin	0.002943	0.500577	3.367347			J
15.54		147								
15.69		221								
15.74		303								
15.82		250								

CompuChem

Lab Smp Id : 1005157-06 Client Smp Id : SS70-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 21:18 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg.b/8081A_clpestv6.m
Misc. Info : SS70-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 2(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
16.20		500								
16.66		395								
16.70		1042								
16.83		510								
16.96		286								
17.15		1865								
17.29		254								
17.35		334								
17.52		838								
17.64		12301								
17.73	17.65 17.79	3891	392055	Endosulfan sulfate	0.009922	1.687428	3.367347			J
17.88		248								
18.07		451								
18.20		4781								
18.36	18.24 18.38	13412	457258	Endrin Ketone	0.029331	4.988332	3.367347			
18.72		258								
18.81		188								
18.90		920								
19.14		4489								
19.35		146								
19.47		1393								
19.67		3329								
19.82		363								
19.98		243								
20.07		244								
20.23		438								
20.29		1228								
20.38	20.33 20.47	48320	408350	Decachlorobiphenyl	0.118330	20.12413		98.6	55 - 130	
20.56		3233								
20.69		1156								
20.79		1044								
20.86		1892								
20.99		1645								
21.10		1882								
21.24		1154								
21.33		638								
21.50		394								

CompuChem

Lab Smp Id : 1005157-06 Client Smp Id : SS70-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 21:18 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg.b/8081A_clpestv6.m
Misc. Info : SS70-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 2(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
21.59		2025								
21.79		10938								
21.97		1195								
22.14		1004								
22.28		545								
22.42		653								
22.87		395								
23.04		1036								
23.47		303								
24.06		513								
24.14		822								
24.36		542								
24.51		188								
24.77		136								
25.23		1148								
25.40		1606								

Data File: /chem/tracegc84.i/j100528zg_2C.b/352j1005157-06.d

Date : 08-JUN-2010 21:18

Client ID: SS70-0-1

Instrument: tracegc84.i

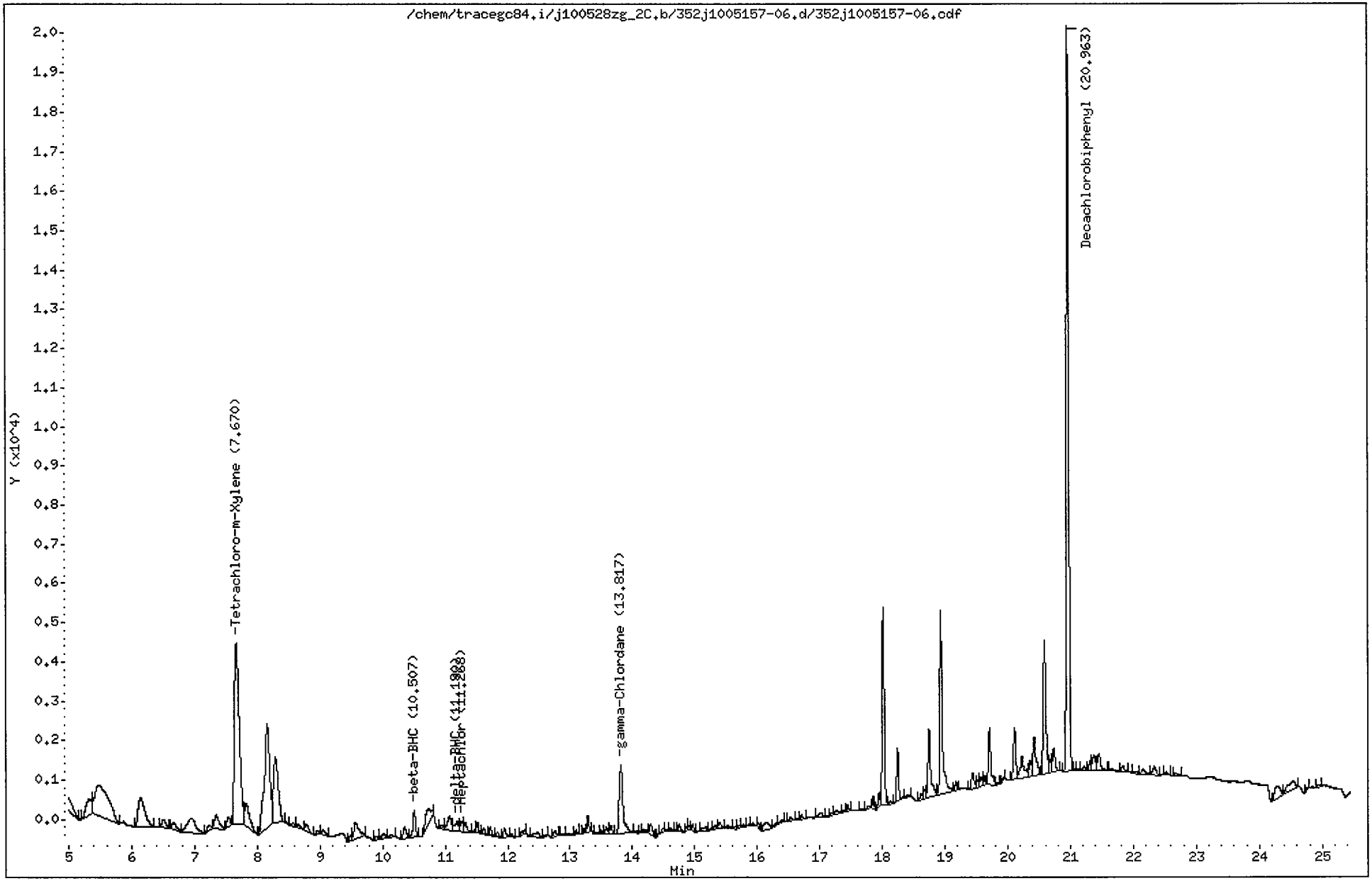
Sample Info: 1005157-06

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-06 Client Smp Id : SS70-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 21:18 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zg_2C.b/8081A_clpest2v6.m
Misc. Info : SS70-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 2(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.90		1002651								
2.98		17512								
3.31		1007								
3.38		1118								
3.94		97								
4.26		389								
4.80		8709								
5.32		2657								
5.48		12060								
6.14		5714								
6.50		881								
6.67		771								
6.94		3414								
7.24		442								
7.34		1709								
7.54		867								
7.67	7.61 7.75	25053	416798	Tetrachloro-m-Xylene	0.060106	10.22210		100.2	70 - 125	
7.83		2969								
8.16		15316								
8.29		8947								
8.57		346								
8.65		314								
8.78		715								
8.96		332								
9.05		428								
9.49		384								
9.57		2452								
9.90		296								
10.02		530								
10.13		282								
10.35		926								
10.51	10.41 10.55	1938	248610	beta-BHC	0.007791	1.325054	1.734694			J
10.73		2522								
10.95		352								
11.07		1506								
11.19	11.11 11.25	1056	551235	delta-BHC	0.001916	0.325799	1.734694			J
11.27	11.22 11.36	854	579497	Heptachlor	0.001474	0.250628	1.734694			J

KCH 6/10/10

CompuChem

Lab Smp Id : 1005157-06 Client Smp Id : SS70-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 21:18 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg_2C.b/8081A_clpest2v6.m
Misc. Info : SS70-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 2(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.33		668								
11.48		145								
11.52		667								
11.62		429								
11.72		580								
11.84		344								
11.95		797								
12.06		189								
12.23		413								
12.48		736								
12.60		126								
12.76		492								
12.87		137								
12.97		164								
13.09		185								
13.22		275								
13.28		937								
13.44		152								
13.50		193								
13.58		429								
13.65		604								
13.82	13.71 13.85	7340	513150	gamma-Chlordane	0.014304	2.432621	1.734694			
14.07		175								
14.17		242								
14.29		775								
14.41		99								
14.49		233								
14.61		171								
14.75		524								
14.87		175								
14.90		259								
14.96		320								
15.17		473								
15.32		157								
15.39		445								
15.53		284								
15.63		125								

CompuChem

Lab Smp Id : 1005157-06 Client Smp Id : SS70-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 21:18 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg_2C.b/8081A_clpest2v6.m
Misc. Info : SS70-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 2(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
15.70		132								
15.78		139								
15.94		167								
16.02		299								
16.14		1139								
16.30		202								
16.40		163								
16.53		293								
16.64		115								
16.71		237								
17.02		489								
17.19		115								
17.26		285								
17.39		105								
17.44		341								
17.67		124								
17.77		208								
17.86		623								
17.95		710								
18.01		11494								
18.13		165								
18.24		2816								
18.39		181								
18.62		375								
18.67		601								
18.75		5561								
18.93		13243								
19.18		501								
19.44		1207								
19.52		413								
19.57		539								
19.62		502								
19.71		3978								
19.84		94								
19.93		93								
20.11		3518								
20.23		2374								

CompuChem

Lab Smp Id : 1005157-06 Client Smp Id : SS70-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 21:18 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zg_2C.b/8081A_clpest2v6.m
Misc. Info : SS70-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 2(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
20.36		987								
20.42		3472								
20.59		9963								
20.68		744								
20.73		1726								
20.96	20.90 21.04	47918	406698	Decachlorobiphenyl	0.117820	20.03737		98.2	55 - 130	
21.12		97								
21.22		316								
21.31		640								
21.37		1335								
21.46		1488								
21.66		234								
21.83		447								
22.03		180								
22.16		524								
22.34		797								
22.52		156								
22.68		297								
24.30		2109								
24.53		1933								
24.77		91								
24.94		94								

1D

EPA SAMPLE NO.

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

SB73-9-10

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 20 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.1	U
319-85-7	beta-BHC	2.1	U
319-84-6	alpha-BHC	2.1	U
319-86-8	delta-BHC	0.25	J
58-89-9	gamma-BHC (Lindane)	2.1	U
72-54-8	4,4'-DDD	4.1	U
72-55-9	4,4'-DDE	4.1	U
50-29-3	4,4'-DDT	4.1	U
60-57-1	Dieldrin	4.1	U
959-98-8	Endosulfan I	2.1	U
33213-65-9	Endosulfan II	4.1	U
1031-07-8	Endosulfan sulfate	4.1	U
72-20-8	Endrin	4.1	U
7421-93-4	Endrin Aldehyde	4.1	U
76-44-8	Heptachlor	0.22	JP
1024-57-3	Heptachlor Epoxide	2.1	U
72-43-5	Methoxychlor	21	U
8001-35-2	Toxaphene	100	U
53494-70-5	Endrin Ketone	4.1	U
5103-74-2	gamma-Chlordane	2.1	U
5103-71-9	alpha-Chlordane	2.1	U

Data File: /chem/tracegc84.i/j100528zf.b/343j1005157-01.d

Page 1

Date : 08-JUN-2010 16:57

Client ID: S973-9-10 B/A 7/7/10

Instrument: tracegc84.i

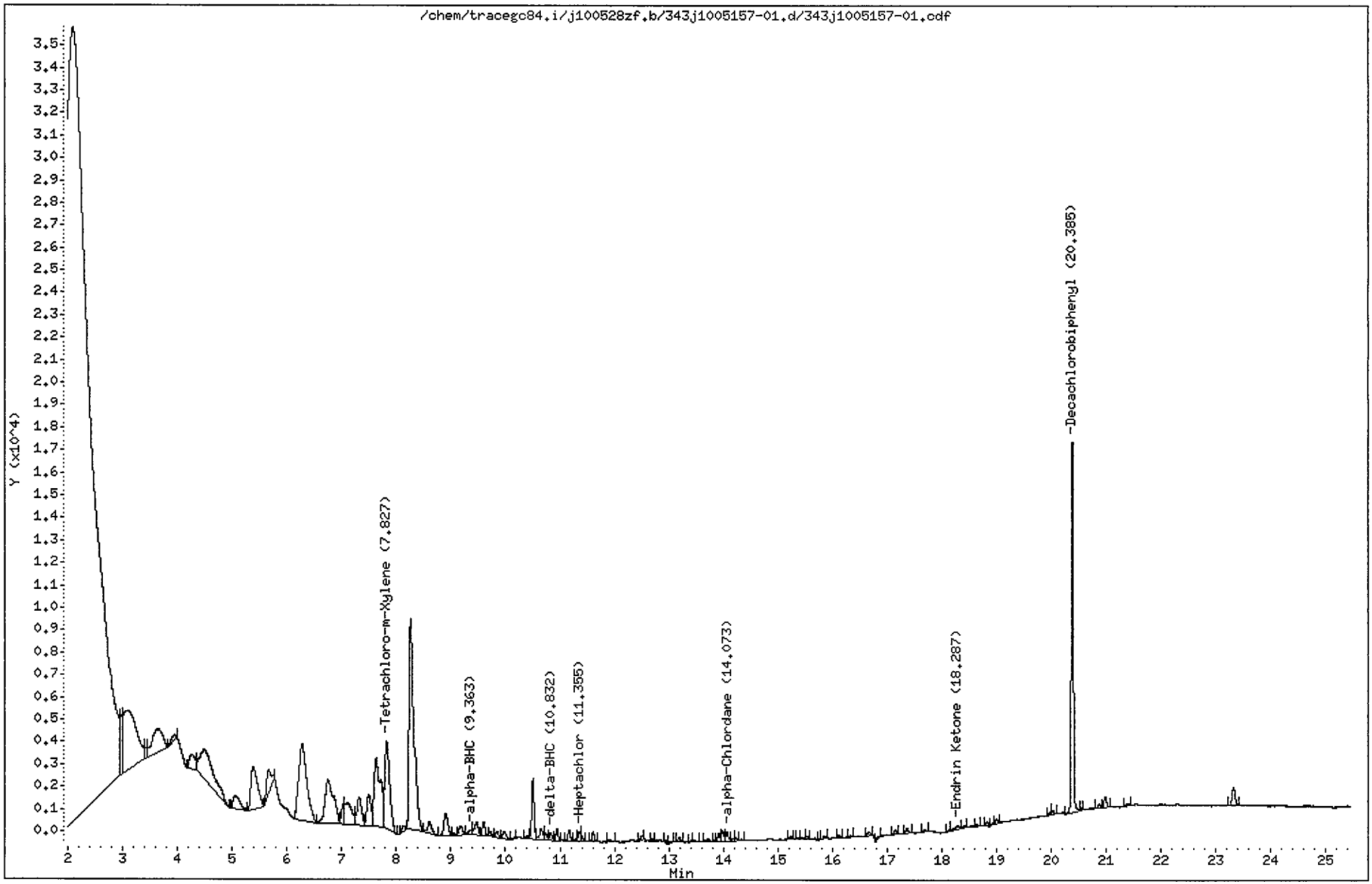
Sample Info: 1005157-01

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

B @ 7/7/10

Lab Smp Id : 1005157-01 Client Smp Id : SS73-9-10
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 16:57 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zf.b/8081A_clpestv6.m
Misc. Info : SS73-9-10

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 20(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.48			25781								
2.09			1264073								
2.98			6519								
3.07			43874								
3.42			1249								
3.63			14549								
3.92			1376								
4.26			5156								
4.49			23030								
5.05			5398								
5.38			16062								
5.67			6346								
6.28			35867								
6.75			21419								
7.03			3100								
7.10			8943								
7.32			7314								
7.50			7338								
7.63			25671								
7.83	7.77	7.91	24576	522758	Tetrachloro-m-Xylene	0.047010	9.793818		78.4	70 - 125	
8.14			1054								
8.26			57863								
8.61			2412								
8.90			5058								
9.06			290								
9.18			1869								
9.36	9.29	9.43	899	775960	alpha-BHC	0.001159	0.241368	2.125000			J
9.47			3193								
9.60			2159								
9.72			794								
9.84			935								
9.98			1384								
10.16			188								
10.40			529								
10.51			8713								
10.66			2106								
10.73			1197								

6/10/10

CompuChem

B @ 7/7/10

Lab Smp Id : 1005157-01 Client Smp Id : SS73-9-10
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 16:57 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zf.b/8081A_clpestv6.m
Misc. Info : SS73-9-10

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 20(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
10.83	10.77 10.91	1188	689518	delta-BHC	0.001721	0.358645	2.125000			J
10.95		1679								
11.17		1572								
11.30		324								
11.36	11.29 11.43	1338	695465	Heptachlor	0.001924	0.400811	2.125000			JM
11.39		492								
11.61		1372								
11.91		310								
12.49		689								
12.70		229								
12.94		216								
13.06		213								
13.19		620								
13.41		140								
13.46		291								
13.72		417								
13.92		907								
13.99		1712								
14.07	14.00 14.14	1297	516712	alpha-Chlordane	0.002510	0.522937	2.125000			J
14.18		349								
14.23		395								
14.34		198								
15.24		446								
15.37		187								
15.46		250								
15.53		333								
15.76		126								
15.86		451								
16.13		277								
16.33		197								
16.68		500								
16.87		374								
17.15		507								
17.36		729								
17.69		303								
18.14		175								
18.29	18.24 18.38	921	457258	Endrin Ketone	0.002014	0.419621	4.125000			J

JM 2 7/7/10

CompuChem

B @ 7/7/10

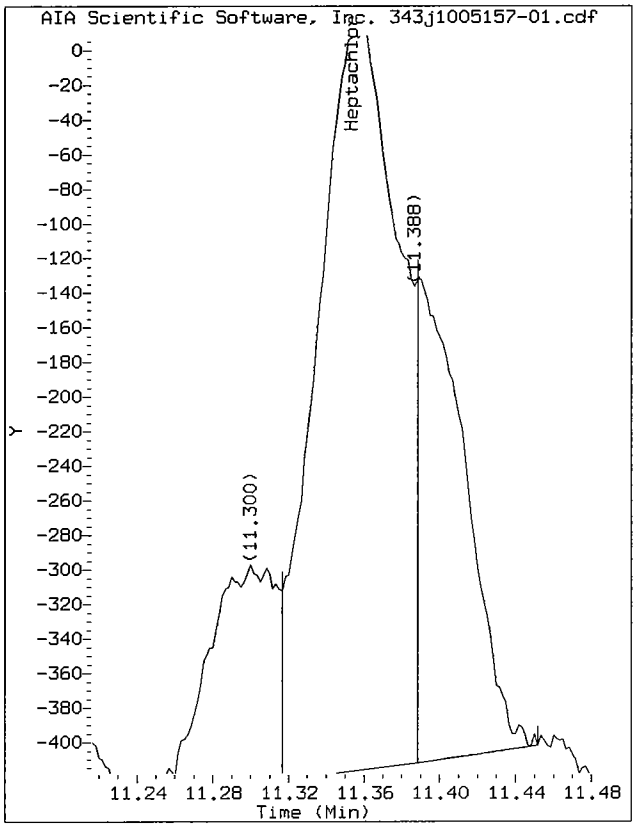
Lab Smp Id : 1005157-01 Client Smp Id : SS73-9-10
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 16:57 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zf.b/8081A_clpestv6.m
Misc. Info : SS73-9-10

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 20(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
18.41		299								
18.65		229								
18.83		558								
19.00		446								
19.98		387								
20.04		497								
20.38	20.33 20.47	43274	408350	Decachlorobiphenyl	0.105970	22.07716		88.3	55 - 130	
20.56		126								
20.87		471								
20.98		1541								
21.40		376								
23.32		3108								

Manually Integrated Peaks



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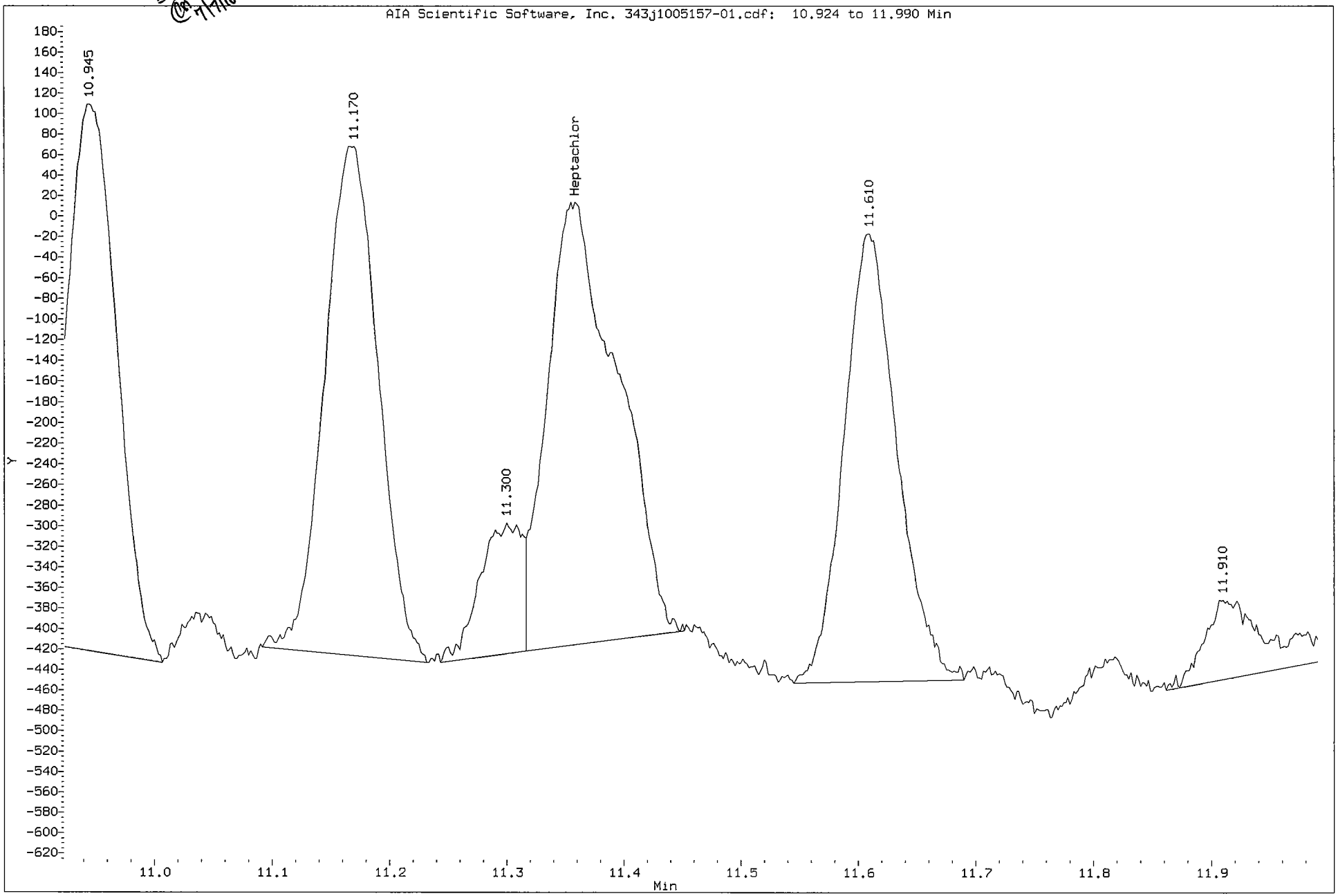
Injection Date: 08-JUN-2010 16:57
Instrument: tracegc84.i
Client Sample ID: S873-9-10

B @ 7/7/10



Data File: /chem/tracegc84.i/j100528zf_2C.b/343j1005157-01.d

Page 1

Date : 08-JUN-2010 16:57

Client ID: S973-9-10 B 6/7/10

Instrument: tracegc84.i

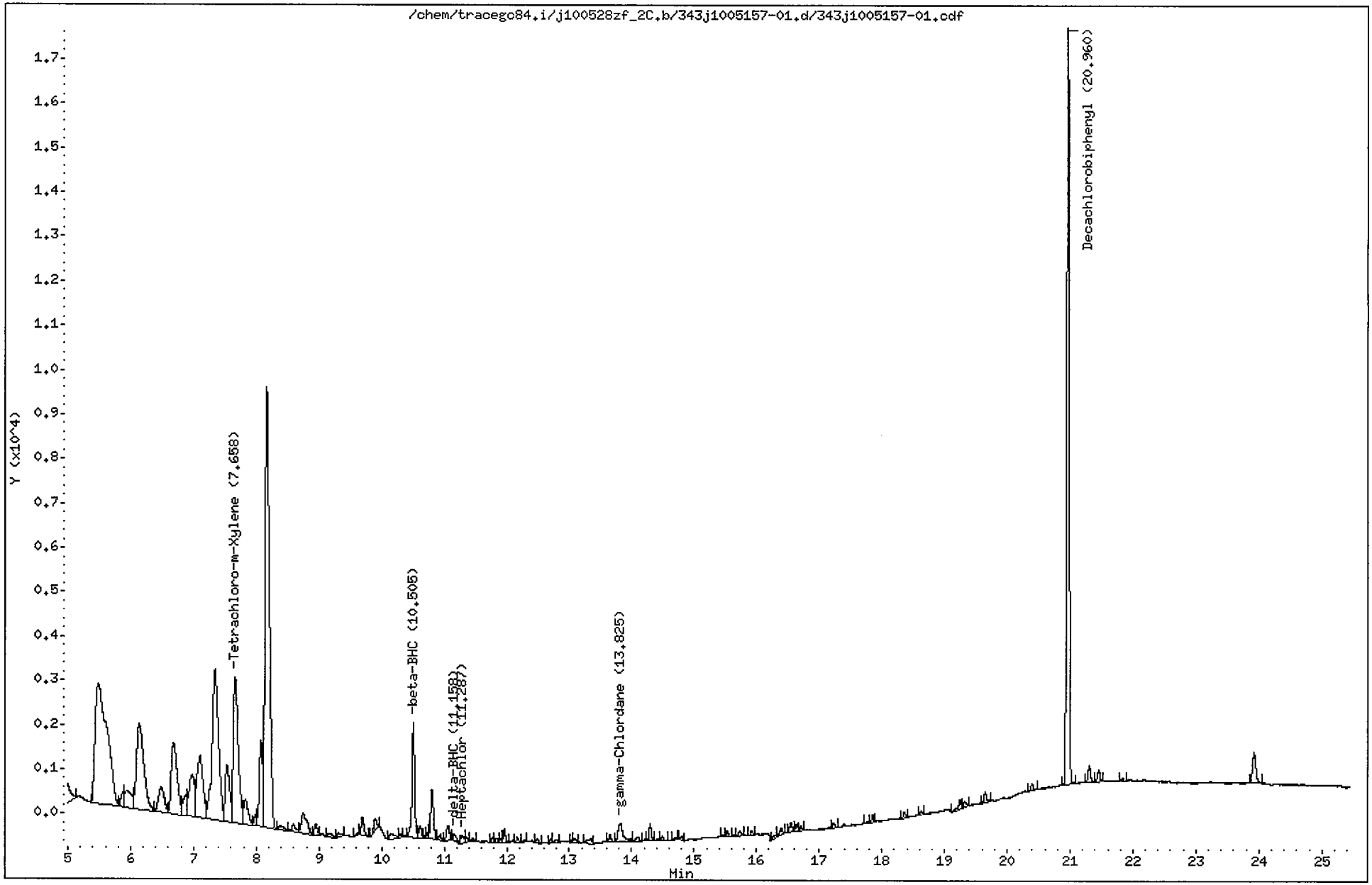
Sample Info: 1005157-01

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

B@ 7/7/10

Lab Smp Id : 1005157-01 Client Smp Id : SS73-9-10
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 16:57 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zf_2C.b/8081A_clpest2v6.m
Misc. Info : SS73-9-10

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 20(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.91		1264957								
3.29		10719								
3.42		40748								
3.60		41688								
3.85		73843								
4.80		23138								
5.48		36003								
5.87		1267								
5.94		2786								
6.14		15686								
6.49		3775								
6.68		10562								
6.88		2193								
6.97		5792								
7.11		9330								
7.34		24278								
7.53		6114								
7.66	7.61 7.75	18520	416798	Tetrachloro-m-Xylene	0.044434	9.257093		74.1	70 - 125	
7.83		2794								
7.99		747								
8.08		6512								
8.16		47865								
8.39		621								
8.60		661								
8.75		2710								
8.95		753								
9.16		427								
9.31		378								
9.63		152								
9.69		1273								
9.90		996								
10.16		582								
10.30		215								
10.50	10.41 10.55	7696	248610	beta-BHC	0.030952	6.448353	2.125000			
10.62		799								
10.69		126								
10.74		295								

KEH 6/10/10

CompuChem

B @ 7/7/10

Lab Smp Id : 1005157-01 Client Smp Id : SS73-9-10
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 16:57 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zf_2C.b/8081A_clpest2v6.m
Misc. Info : SS73-9-10

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 20(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
10.80		3668								
10.93		293								
11.05		1101								
11.16	11.11 11.25	668	551235	delta-BHC	0.001210	0.252085	2.125000			J
11.29	11.22 11.36	613	579497	Heptachlor	0.001056	0.220018	2.125000			JM 2
11.36		291								
11.46		179								
11.77		288								
11.83		279								
11.91		171								
11.96		752								
12.17		255								
12.30		99								
12.49		248								
12.70		222								
12.80		265								
13.04		109								
13.10		213								
13.31		546								
13.65		462								
13.82	13.71 13.85	2341	513150	gamma-Chlordane	0.004560	0.950015	2.125000			J
14.09		353								
14.29		915								
14.49		228								
14.70		98								
14.81		202								
15.46		106								
15.53		357								
15.73		350								
15.92		189								
16.31		290								
16.39		459								
16.55		600								
16.63		436								
16.71		214								
17.23		256								
17.77		102								

AGH 6/10/10

CompuChem

B @ 7/7/10

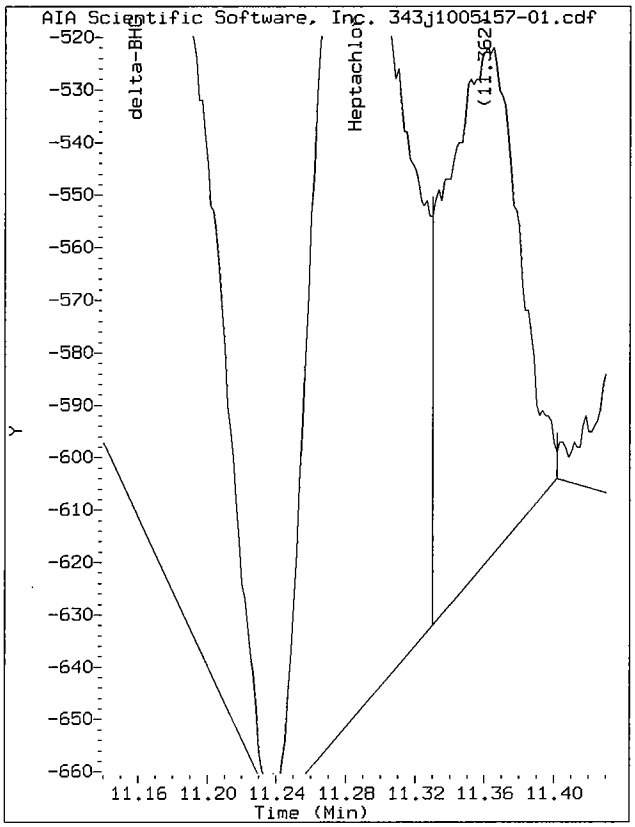
Lab Smp Id : 1005157-01 Client Smp Id : SS73-9-10
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 16:57 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zf_2C.b/8081A_clpest2v6.m
Misc. Info : SS73-9-10

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 20(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
17.85		385								
18.36		295								
18.63		176								
19.25		778								
19.33		392								
19.65		576								
20.39		460								
20.96	20.90 21.04	43964	406698	Decachlorobiphenyl	0.108100	22.52083		90.1	55 - 130	
21.31		990								
21.46		688								
21.83		187								
23.92		2546								

Manually Integrated Peaks



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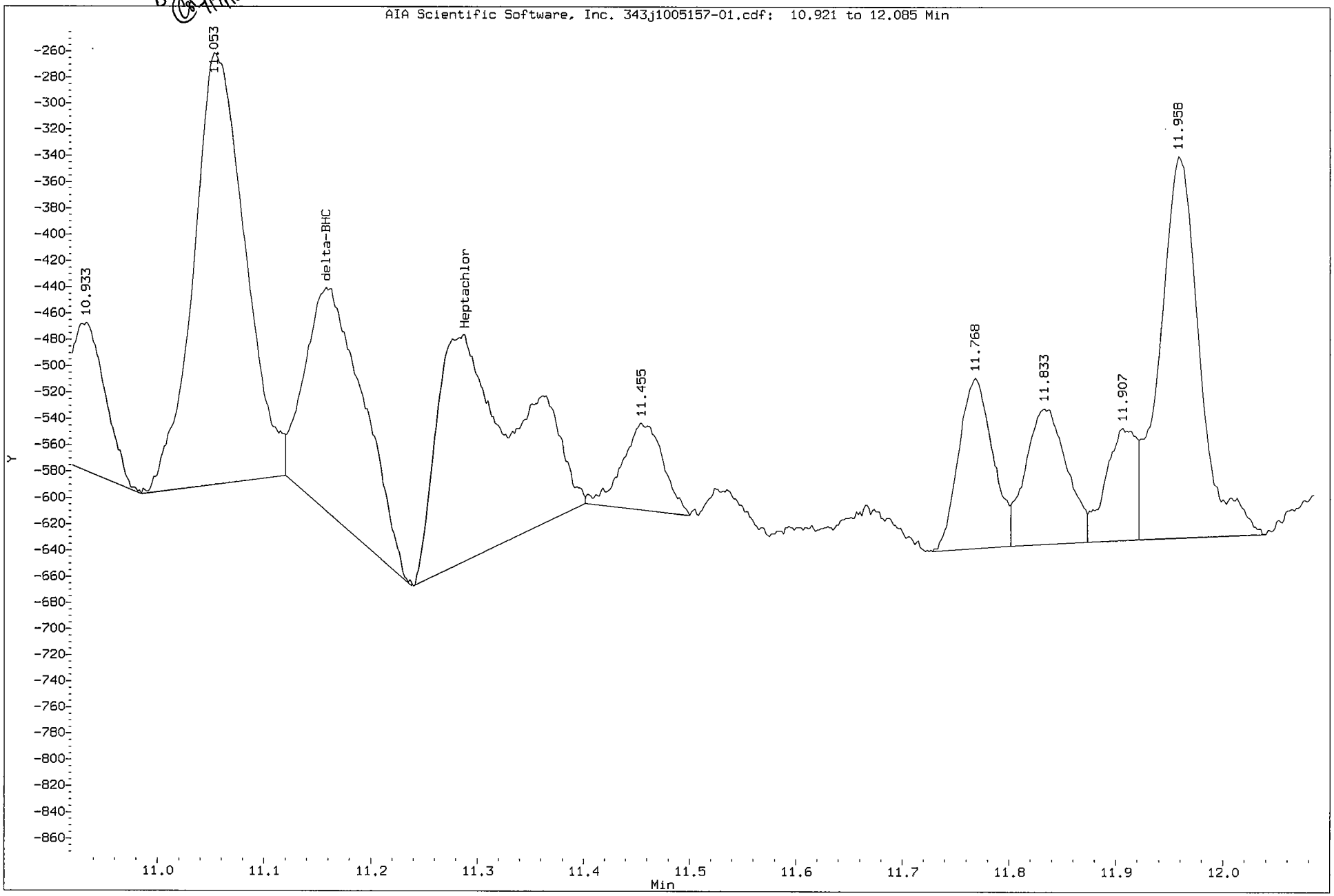
Injection Date: 08-JUN-2010 16:57
Instrument: tracegc84.i
Client Sample ID: S273-9-10

B 6/7/10



1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS82-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-15

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 3 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.8	U
319-85-7	beta-BHC	1.5	JP
319-84-6	alpha-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	0.32	J
72-54-8	4,4'-DDD	3.4	U
72-55-9	4,4'-DDE	0.76	J
50-29-3	4,4'-DDT	0.67	JP
60-57-1	Dieldrin	3.4	U
959-98-8	Endosulfan I	1.8	U
33213-65-9	Endosulfan II	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
72-20-8	Endrin	3.4	U
7421-93-4	Endrin Aldehyde	3.4	U
76-44-8	Heptachlor	1.8	U
1024-57-3	Heptachlor Epoxide	1.8	U
72-43-5	Methoxychlor	18	U
8001-35-2	Toxaphene	86	U
53494-70-5	Endrin Ketone	3.4	U
5103-74-2	gamma-Chlordane	1.8	U
5103-71-9	alpha-Chlordane	1.8	U

Data File: /chem/tracegc84.i/j100528zh.b/365j1005157-15.d

Date : 09-JUN-2010 03:33

Client ID: SS82-0-1

Instrument: tracegc84.i

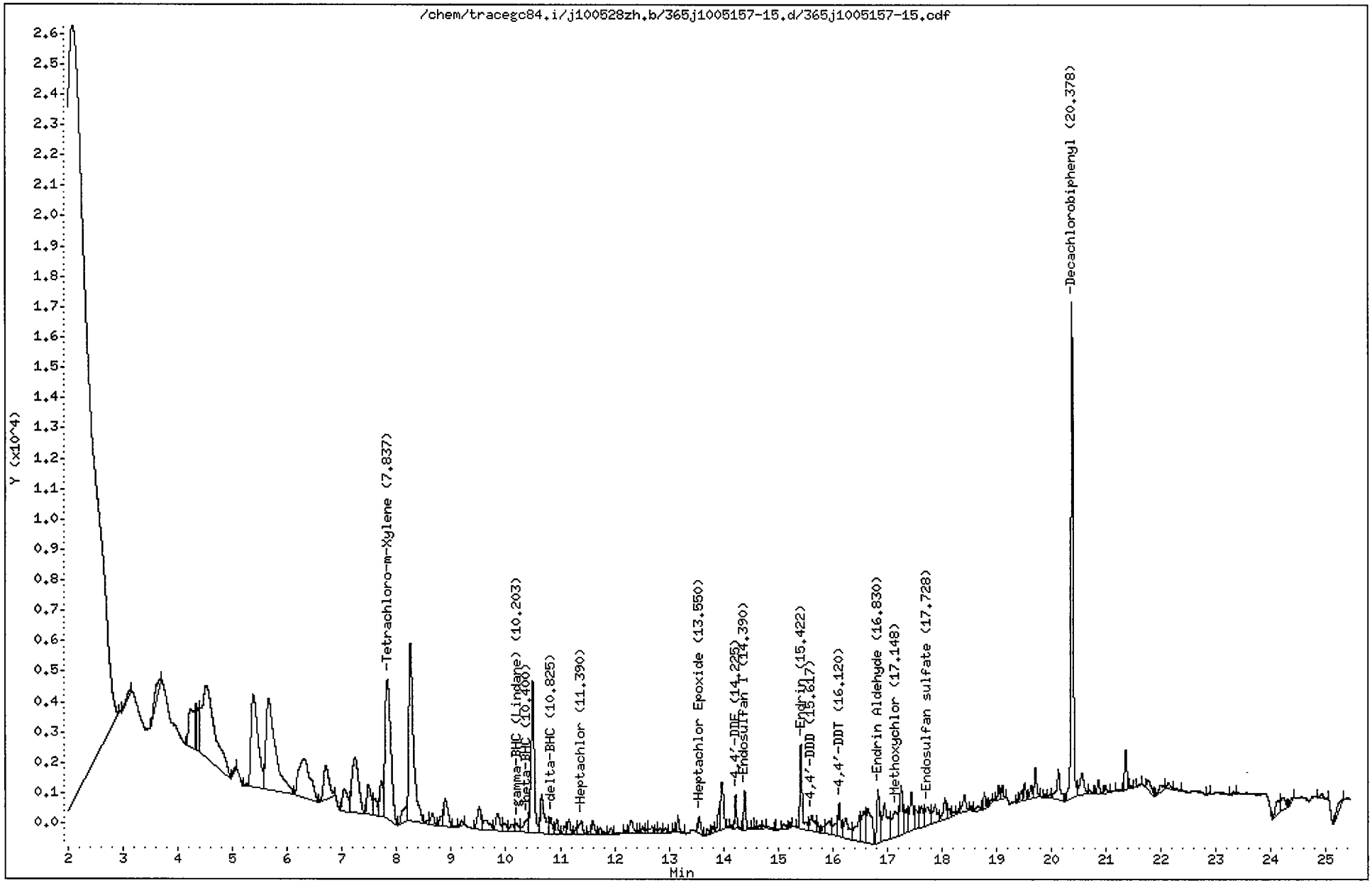
Sample Info: 1005157-15

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-15 Client Smp Id : SS82-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 03:33 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zh.b/8081A_clpestv6.m
Misc. Info : SS82-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 3(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.48		27004								
2.08		883873								
3.13		929								
3.68		3407								
4.23		9010								
4.34		2112								
4.38		4295								
4.52		40545								
5.03		482								
5.26		365								
5.38		27270								
5.66		36701								
6.32		18657								
6.71		7870								
7.04		4816								
7.24		15624								
7.49		5275								
7.60		2939								
7.72		4846								
7.84	7.77 7.91	33854	522758	Tetrachloro-m-Xylene	0.064759	11.12689		107.9	70 - 125	
8.16		2852								
8.26		34797								
8.56		379								
8.65		1708								
8.83		1244								
8.89		4887								
9.20		646								
9.51		3456								
9.61		2718								
9.85		2993								
9.98		1240								
10.12		1105								
10.20	10.11 10.25	1354	729192	gamma-BHC (Lindane)	0.001857	0.319046	1.752577			J
10.40	10.34 10.48	2629	300532	beta-BHC	0.008744	1.502488	0.877320			
10.50		20822								
10.66		7066								
10.82	10.77 10.91	2124	689518	delta-BHC	0.003080	0.529281	1.752577			J

6/10/10

CompuChem

Lab Smp Id : 1005157-15 Client Smp Id : SS82-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 03:33 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zh.b/8081A_clpestv6.m
Misc. Info : SS82-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 3(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
10.94		1588								
11.08		1037								
11.16		1774								
11.29		705								
11.39	11.29 11.43	2118	695465	Heptachlor	0.003044	0.523025	1.752577			J
11.54		247								
11.61		1638								
11.73		887								
11.93		720								
12.20		242								
12.29		2238								
12.45		247								
12.52		781								
12.61		411								
12.69		989								
12.77		340								
12.84		650								
12.94		672								
13.10		203								
13.16		1655								
13.55	13.42 13.56	1895	593700	Heptachlor Epoxide	0.003192	0.548427	1.752577			J
13.71		617								
13.80		575								
13.91		1716								
13.98		6046								
14.14		233								
14.22	14.19 14.33	2321	523741	4,4'-DDE	0.004432	0.761439	3.402062			J
14.29		155								
14.39	14.29 14.43	3411	548162	Endosulfan I	0.006221	1.068863	1.752577			J
14.57		197								
14.66		416								
14.74		225								
14.82		348								
14.96		129								
15.11		765								
15.22		456								
15.42	15.33 15.47	8349	463071	Endrin	0.018027	3.097502	3.402062			J

CompuChem

Lab Smp Id : 1005157-15 Client Smp Id : SS82-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 03:33 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zh.b/8081A_clpestv6.m
Misc. Info : SS82-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 3(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
15.62	15.48 15.62	2898	393458	4,4'-DDD	0.007365	1.265545	3.402062			J
15.72		1066								
15.83		627								
15.94		2940								
16.07		2044								
16.12	16.08 16.22	3790	454781	4,4'-DDT	0.008331	1.431525	3.402062			J
16.25		4713								
16.49		4916								
16.57		5298								
16.64		7531								
16.83	16.71 16.85	6769	348470	Endrin Aldehyde	0.019425	3.337614	3.402062			J
16.95		8818								
17.15	17.11 17.25	5988	194359	Methoxychlor	0.030804	5.292753	17.52577			J
17.25		6917								
17.35		3216								
17.44		5422								
17.52		3063								
17.63		3181								
17.73	17.65 17.79	3789	392055	Endosulfan sulfate	0.009664	1.660560	3.402062			J
17.88		3170								
18.05		2764								
18.13		754								
18.20		409								
18.31		461								
18.41		2511								
18.53		319								
18.66		602								
18.78		1204								
18.90		278								
19.04		1176								
19.11		1065								
19.39		164								
19.45		808								
19.52		1444								
19.64		1254								
19.71		2784								
19.89		336								

CompuChem

Lab Smp Id : 1005157-15 Client Smp Id : SS82-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 03:33 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zh.b/8081A_clpestv6.m
Misc. Info : SS82-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 3(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
19.98		291								
20.13		4611								
20.38	20.33 20.47	45826	408350	Decachlorobiphenyl	0.112222	19.28219		93.5	55 - 130	
20.56		3815								
20.70		440								
20.86		1382								
20.99		827								
21.24		271								
21.36		3688								
21.46		222								
21.61		131								
21.77		1682								
22.00		1332								
22.14		899								
22.29		314								
22.89		121								
23.32		305								
24.12		2177								
24.23		2466								
24.39		348								
24.93		638								
25.32		1698								

Data File: /chem/tracegc84.i/j100528zh_2C.b/365j1005157-15.d

Date : 09-JUN-2010 03:33

Client ID: SS82-0-1

Instrument: tracegc84.i

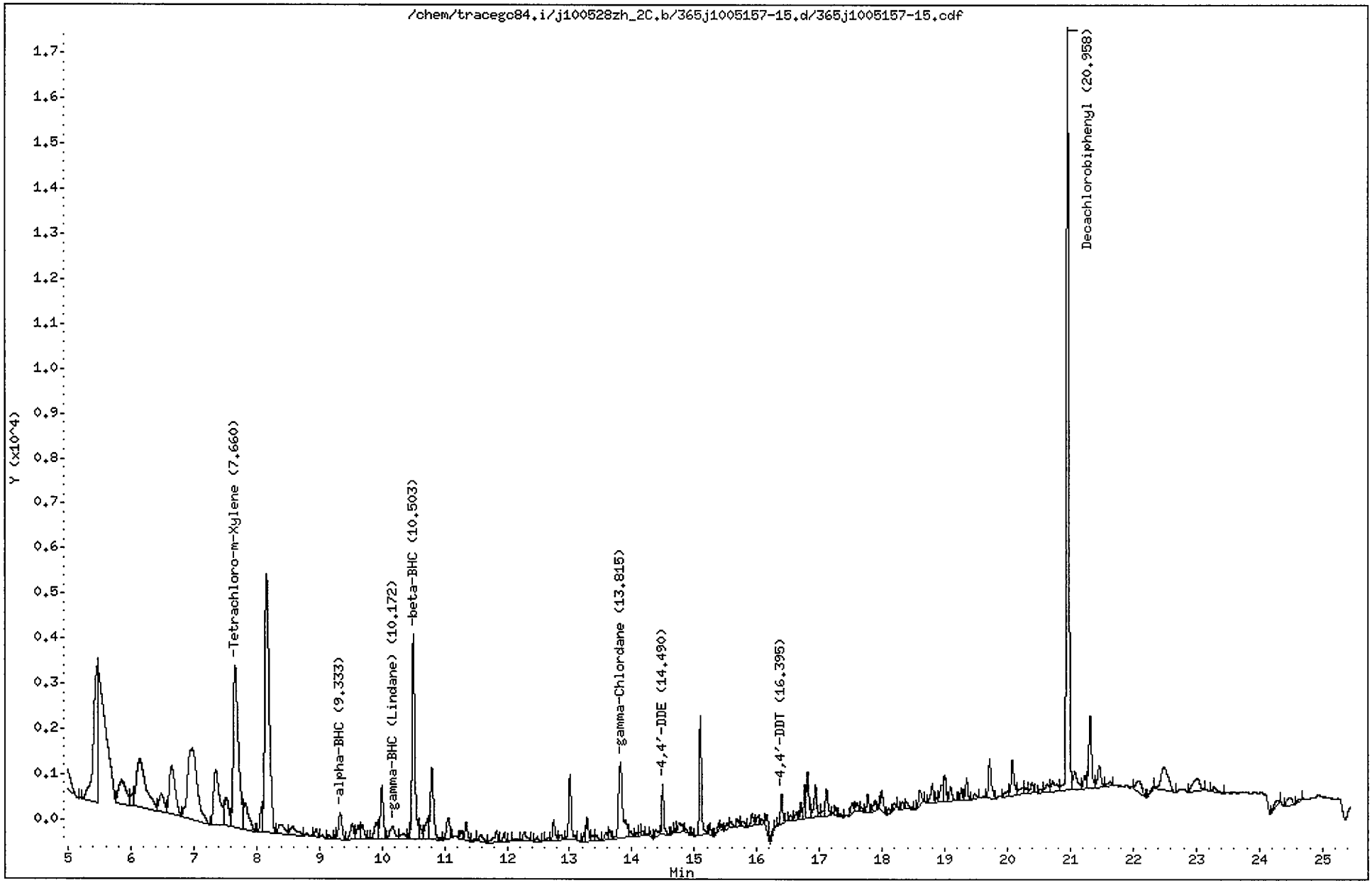
Sample Info: 1005157-15

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-15 Client Smp Id : SS82-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 03:33 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zh_2C.b/8081A_clpest2v6.m
Misc. Info : SS82-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 3(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.89			784725								
2.99			14435								
3.29			2145								
3.95			112								
4.12			1302								
4.80			32324								
5.47			12683								
5.86			4444								
6.03			859								
6.14			11210								
6.48			2328								
6.65			6961								
6.98			16973								
7.35			8115								
7.52			2950								
7.66	7.61	7.75	20587	416798	Tetrachloro-m-Xylene	0.049391	8.486407		82.3	70 - 125	
7.82			3263								
8.08			1617								
8.16			27339								
8.38			1502								
8.58			1340								
8.95			476								
9.15			277								
9.26			177								
9.33	9.26	9.40	2177	607758	alpha-BHC	0.003580	0.615185	1.752577			J
9.53			1314								
9.63			972								
9.69			1084								
9.91			1497								
10.00			3737								
10.17	10.17	10.31	1467	585542	gamma-BHC (Lindane)	0.002504	0.430182	1.752577			J
10.35			585								
10.45			263								
10.50	10.41	10.55	13789	248610	beta-BHC	0.055464	9.529963	1.752577			M2
10.61			810								
10.73			1716								
10.80			5762								

KEH 6/10/10

CompuChem

Lab Smp Id : 1005157-15 Client Smp Id : SS82-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 03:33 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zh_2C.b/8081A_clpest2v6.m
Misc. Info : SS82-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 3(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.06		1757								
11.26		422								
11.34		1083								
11.49		96								
11.58		633								
11.83		1009								
11.96		510								
12.10		175								
12.28		742								
12.48		328								
12.66		240								
12.75		1279								
12.86		357								
13.01		4010								
13.24		343								
13.28		1520								
13.37		352								
13.44		386								
13.58		470								
13.65		538								
13.82	13.71 13.85	8020	513150	gamma-Chlordane	0.015627	2.685053	1.752577			
13.98		357								
14.07		164								
14.12		151								
14.17		270								
14.29		213								
14.38		498								
14.49	14.43 14.57	2543	468602	4,4'-DDE	0.005425	0.932069	3.402062			J
14.65		108								
14.70		126								
14.76		880								
14.87		244								
14.97		156								
15.10		6327								
15.25		577								
15.39		318								
15.44		207								

CompuChem

Lab Smp Id : 1005157-15 Client Smp Id : SS82-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 03:33 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zh_2C.b/8081A_clpest2v6.m
Misc. Info : SS82-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 3(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
15.52		305								
15.59		402								
15.69		410								
15.79		380								
15.92		721								
16.01		424								
16.07		265								
16.16		1245								
16.26		204								
16.40	16.33 16.47	1589	405929	4,4'-DDT	0.003914	0.672591	3.402062			J
16.54		309								
16.63		416								
16.70		716								
16.77		1497								
16.81		2798								
16.93		2030								
17.01		196								
17.06		292								
17.11		1683								
17.26		335								
17.33		152								
17.52		691								
17.59		574								
17.66		204								
17.77		943								
17.88		677								
17.95		157								
17.99		1262								
18.10		285								
18.20		391								
18.32		390								
18.39		506								
18.60		972								
18.80		1323								
18.87		248								
18.95		1130								
19.00		1657								

CompuChem

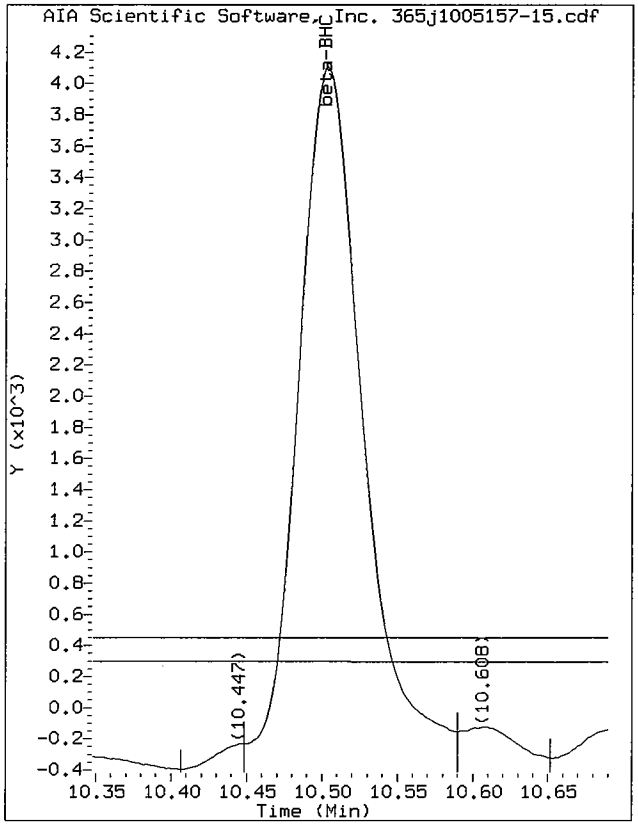
Lab Smp Id : 1005157-15 Client Smp Id : SS82-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 03:33 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zh_2C.b/8081A_clpest2v6.m
Misc. Info : SS82-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 3(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
19.09		948								
19.27		625								
19.35		1250								
19.48		453								
19.71		2651								
20.00		485								
20.08		2431								
20.20		709								
20.30		413								
20.39		633								
20.52		216								
20.63		784								
20.72		1346								
20.96	20.90 21.04	43753	406698	Decachlorobiphenyl	0.107579	18.48432		89.6	55 - 130	
21.07		1876								
21.23		909								
21.31		5009								
21.46		1854								
21.63		423								
22.08		1630								
22.32		363								
22.49		4355								
23.02		2010								
23.29		567								
24.30		561								
24.49		947								
24.67		195								

Manually Integrated Peaks



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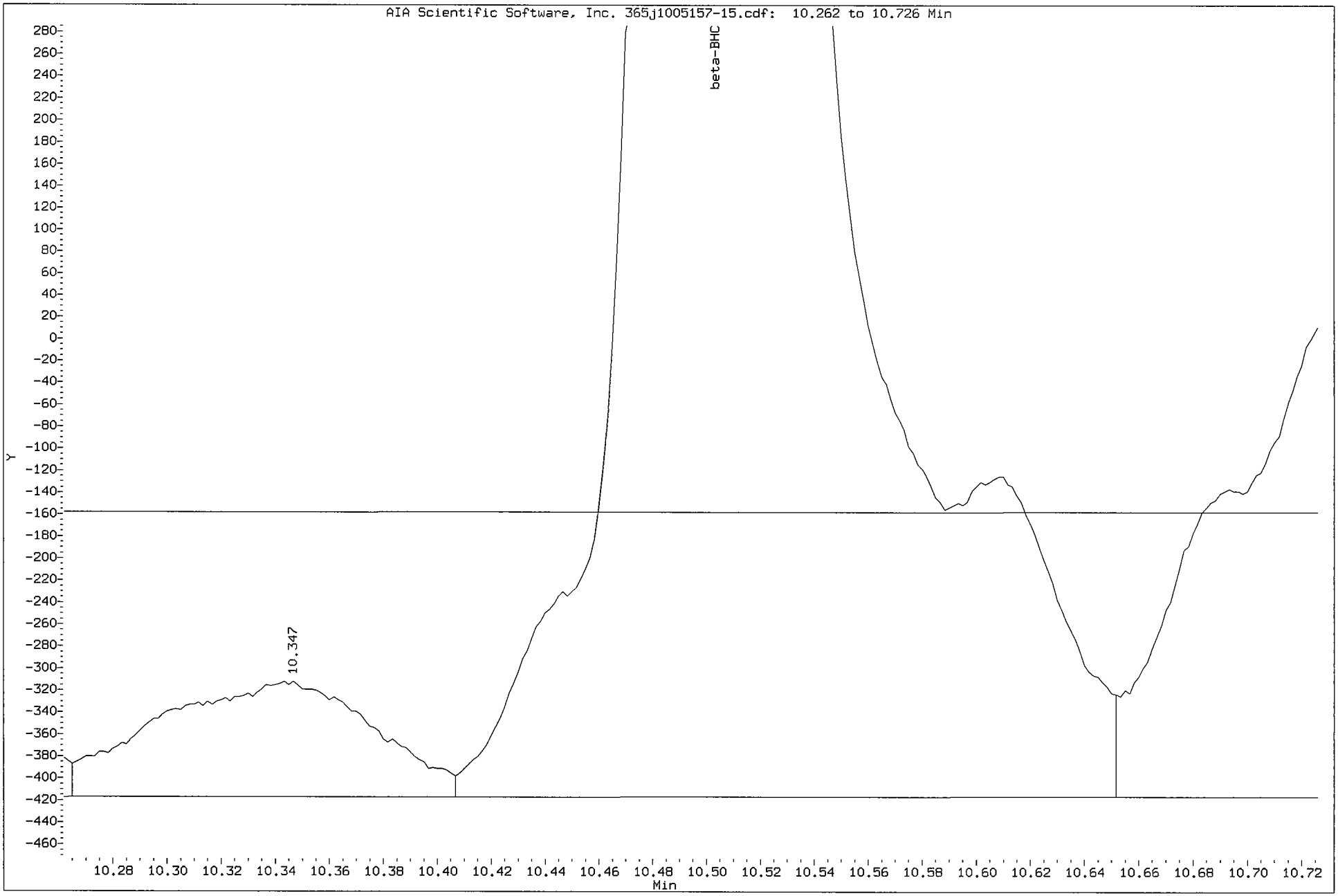
Injection Date: 09-JUN-2010 03:33
Instrument: tracegc84.i
Client Sample ID: SS82-0-1



1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS82D-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-16

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 3 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.8	U
319-85-7	beta-BHC	0.62	JP
319-84-6	alpha-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
72-54-8	4,4'-DDD	3.4	U
72-55-9	4,4'-DDE	0.74	J
50-29-3	4,4'-DDT	0.89	J
60-57-1	Dieldrin	3.4	U
959-98-8	Endosulfan I	1.8	U
33213-65-9	Endosulfan II	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
72-20-8	Endrin	3.4	U
7421-93-4	Endrin Aldehyde	0.47	JP
76-44-8	Heptachlor	1.8	U
1024-57-3	Heptachlor Epoxide	1.8	U
72-43-5	Methoxychlor	18	U
8001-35-2	Toxaphene	86	U
53494-70-5	Endrin Ketone	3.4	U
5103-74-2	gamma-Chlordane	0.31	JP
5103-71-9	alpha-Chlordane	1.8	U

Data File: /chem/tracegc84.i/j100528zh.b/366j1005157-16.d

Date : 09-JUN-2010 04:02

Client ID: SS82D-0-1

Instrument: tracegc84.i

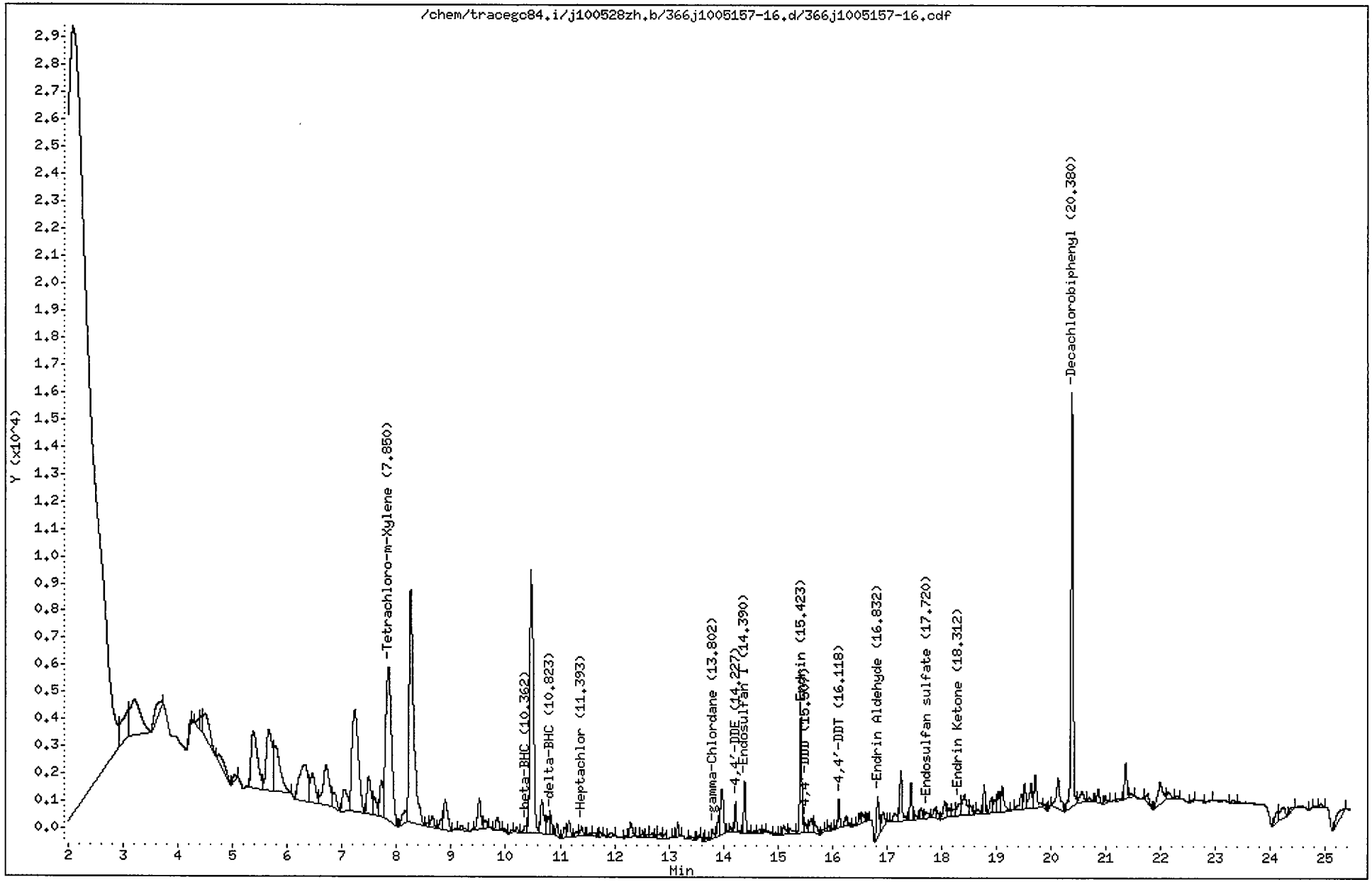
Sample Info: 1005157-16

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-16 Client Smp Id : SS82D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 04:02 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zh.b/8081A_clpestv6.m
Misc. Info : SS82D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 3(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.48		26762								
2.08		1016038								
3.10		9936								
3.20		17227								
3.66		4274								
4.23		1181								
4.39		1200								
4.43		1409								
4.49		7950								
4.75		3596								
5.04		719								
5.37		17217								
5.66		16800								
5.78		13479								
6.31		14482								
6.46		6662								
6.70		12370								
6.86		2841								
7.05		5193								
7.24		30077								
7.49		7338								
7.60		2975								
7.72		5604								
7.85	7.77 7.91	42068	522758	Tetrachloro-m-Xylene	0.080471	13.82669		134.1*	70 - 125	R
8.16		2568								
8.26		50124								
8.56		372								
8.65		1846								
8.81		1448								
8.89		5519								
9.19		1087								
9.52		4556								
9.62		1231								
9.85		1975								
9.97		464								
10.12		319								
10.20		579								

CompuChem

Lab Smp Id : 1005157-16 Client Smp Id : SS82D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 04:02 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zh.b/8081A_clpestv6.m
Misc. Info : SS82D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 3(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
10.36	10.34 10.48	1078	300532	beta-BHC	0.003584	0.615746	0.877320			J
10.47		44239								
10.66		5663								
10.78		1854								
10.82	10.77 10.91	2025	689518	delta-BHC	0.002937	0.504611	1.752577			J
10.94		1317								
11.07		1380								
11.16		2029								
11.29		564								
11.39	11.29 11.43	1259	695465	Heptachlor	0.001810	0.311048	1.752577			J
11.54		292								
11.61		580								
11.75		374								
11.94		569								
12.20		149								
12.29		1866								
12.52		571								
12.61		453								
12.69		536								
12.78		283								
12.84		723								
12.94		719								
13.10		236								
13.16		1274								
13.39		350								
13.55		228								
13.65		163								
13.71		389								
13.80	13.70 13.84	1059	594875	gamma-Chlordane	0.001779	0.305588	1.752577			J
13.91		1868								
13.98		6639								
14.14		399								
14.23	14.19 14.33	2271	523741	4,4'-DDE	0.004334	0.744708	3.402062			J
14.29		188								
14.39	14.29 14.43	5087	548162	Endosulfan I	0.009278	1.594205	1.752577			J
14.56		251								
14.66		433								

CompuChem

Lab Smp Id : 1005157-16 Client Smp Id : SS82D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 04:02 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zh.b/8081A_clpestv6.m
Misc. Info : SS82D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 3(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
14.74		219								
14.96		254								
15.11		1271								
15.22		884								
15.42	15.33 15.47	11255	463071	Endrin	0.024305	4.176137	3.402062			
15.51	15.48 15.62	1059	393458	4,4'-DDD	0.002689	0.462024	3.402062			J
15.61		2067								
15.67		1780								
15.82		339								
15.89		277								
15.94		596								
16.07		146								
16.12	16.08 16.22	2360	454781	4,4'-DDT	0.005187	0.891256	3.402062			J
16.25		1122								
16.31		248								
16.40		264								
16.49		820								
16.56		1015								
16.64		511								
16.83	16.71 16.85	4769	348470	Endrin Aldehyde	0.013686	2.351467	3.402062			J
16.93		2290								
17.15		1400								
17.25		5767								
17.44		3649								
17.53		515								
17.63		1198								
17.72	17.65 17.79	1189	392055	Endosulfan sulfate	0.003033	0.521089	3.402062			J
17.88		1120								
17.93		576								
18.06		2331								
18.14		1013								
18.22		916								
18.31	18.24 18.38	1996	457258	Endrin Ketone	0.004363	0.749651	3.402062			J
18.42		4739								
18.53		913								
18.62		252								
18.66		648								

CompuChem

Lab Smp Id : 1005157-16 Client Smp Id : SS82D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 04:02 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zh.b/8081A_clpestv6.m
Misc. Info : SS82D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 3(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
18.78		2429								
18.90		1606								
18.97		1628								
19.04		2383								
19.11		3541								
19.45		2013								
19.52		2668								
19.64		3334								
19.71		4286								
19.89		374								
19.99		208								
20.13		5829								
20.38	20.33 20.47	41336	408350	Decachlorobiphenyl	0.101227	17.39294		84.4	55 - 130	
20.56		2122								
20.70		520								
20.86		1396								
20.99		744								
21.24		352								
21.36		3765								
21.45		374								
21.76		1261								
21.98		4828								
22.13		1117								
22.29		363								
22.60		142								
22.91		305								
23.32		391								
24.14		1899								
24.23		2601								
24.44		779								
24.77		125								
24.92		445								
25.36		2481								

Data File: /chem/tracegc84.i/j100528zh_2C.b/366j1005157-16.d

Date : 09-JUN-2010 04:02

Client ID: SS82D-0-1

Instrument: tracegc84.i

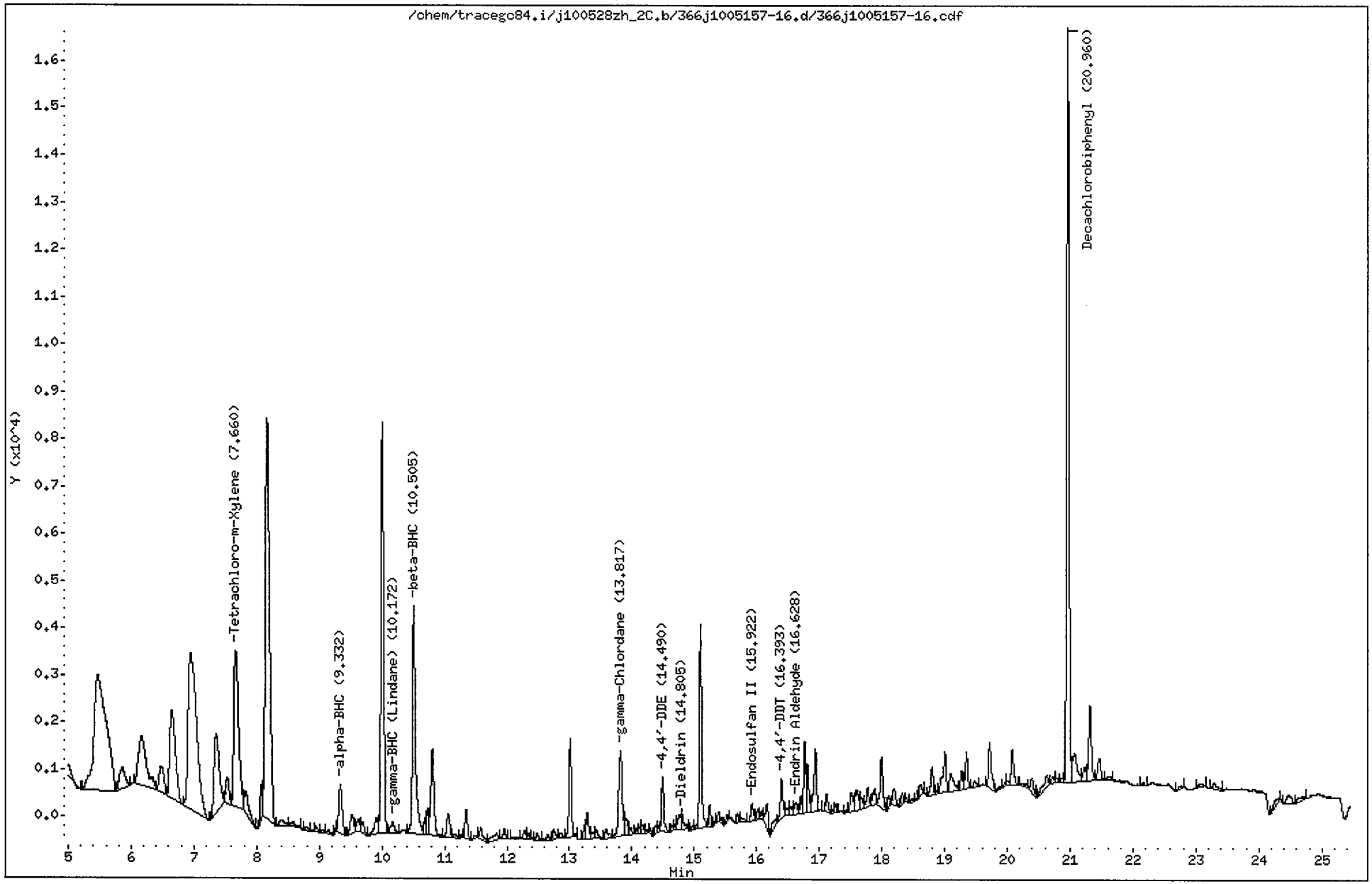
Sample Info: 1005157-16

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-16 Client Smp Id : SS82D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 04:02 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zh_2C.b/8081A_clpest2v6.m
Misc. Info : SS82D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 3(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.90			775175								
2.68			919								
2.97			5774								
3.28			594								
4.00			126								
4.05			258								
4.25			347								
4.47			2800								
4.80			24085								
5.47			33577								
5.86			2775								
6.17			9348								
6.48			2855								
6.64			11514								
6.95			31607								
7.35			9580								
7.53			2093								
7.66	7.61	7.75	17980	416798	Tetrachloro-m-Xylene	0.043136	7.411693		71.9	70 - 125	
7.83			2143								
8.08			2111								
8.16			39637								
8.40			871								
8.57			420								
8.78			333								
8.94			316								
9.05			170								
9.14			233								
9.26			172								
9.33	9.26	9.40	3806	607758	alpha-BHC	0.006261	1.075725	1.752577			J
9.53			1559								
9.62			985								
9.69			773								
9.91			1265								
10.00			25706								
10.17	10.17	10.31	985	585542	gamma-BHC (Lindane)	0.001682	0.289038	1.752577			J
10.50	10.41	10.55	16161	248610	beta-BHC	0.065001	11.16863	1.752577			
10.69			615								

KEH 6/10/10

CompuChem

Lab Smp Id : 1005157-16 Client Smp Id : SS82D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 04:02 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zh_2C.b/8081A_clpest2v6.m
Misc. Info : SS82D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 3(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
10.73		1570								
10.80		6528								
11.06		1673								
11.16		233								
11.26		141								
11.35		1612								
11.51		198								
11.58		827								
11.79		905								
11.96		602								
12.10		154								
12.28		504								
12.34		224								
12.48		425								
12.66		435								
12.75		573								
12.85		352								
13.01		5710								
13.23		574								
13.28		1578								
13.37		382								
13.43		551								
13.59		784								
13.82	13.71 13.85	7013	513150	gamma-Chlordane	0.013665	2.347873	1.752577			M2
13.90		1377								
13.98		346								
14.07		242								
14.13		262								
14.17		576								
14.24		148								
14.29		276								
14.38		385								
14.43		228								
14.49	14.43 14.57	2839	468602	4,4'-DDE	0.006058	1.040969	3.402062			J
14.65		262								
14.70		277								
14.77		1094								

M2 AH 6/10/10

CompuChem

Lab Smp Id : 1005157-16 Client Smp Id : SS82D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 04:02 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zh_2C.b/8081A_clpest2v6.m
Misc. Info : SS82D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 3(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
14.80	14.75 14.89	927	461929	Dieldrin	0.002005	0.344440	3.402062			J
14.97		231								
15.03		221								
15.10		10590								
15.25		937								
15.34		95								
15.38		480								
15.44		245								
15.52		298								
15.69		457								
15.76		342								
15.92	15.86 16.00	1091	404930	Endosulfan II	0.002692	0.462513	3.402062			J
16.01		518								
16.07		377								
16.16		1655								
16.30		812								
16.39	16.33 16.47	2352	405929	4,4'-DDT	0.005794	0.995553	3.402062			J
16.48		484								
16.54		516								
16.63	16.59 16.73	875	316985	Endrin Aldehyde	0.002757	0.473751	3.402062			J
16.70		749								
16.77		3264								
16.81		2626								
16.94		3886								
17.12		1018								
17.21		107								
17.27		368								
17.44		146								
17.51		1418								
17.59		1544								
17.67		770								
17.77		1098								
17.88		1149								
17.99		3192								
18.10		591								
18.19		1152								
18.32		521								

CompuChem

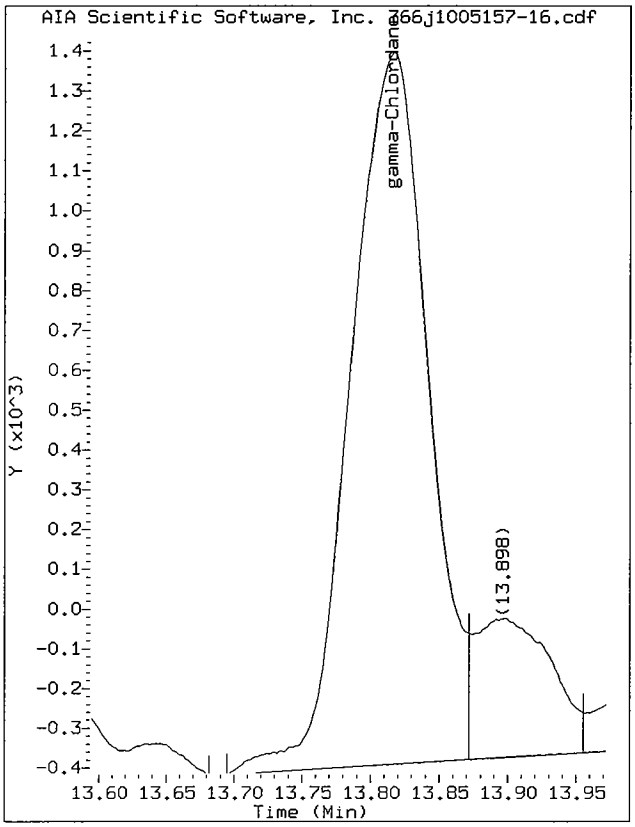
Lab Smp Id : 1005157-16 Client Smp Id : SS82D-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 09-JUN-2010 04:02 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zh_2C.b/8081A_clpest2v6.m
Misc. Info : SS82D-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 3(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
18.39		212								
18.48		165								
18.61		719								
18.80		1557								
18.86		142								
19.00		3149								
19.09		1817								
19.27		979								
19.35		2099								
19.48		385								
19.71		3187								
19.88		198								
19.96		154								
20.00		285								
20.08		2196								
20.23		317								
20.39		1001								
20.63		1366								
20.73		408								
20.79		284								
20.87		269								
20.96	20.90 21.04	41165	406698	Decachlorobiphenyl	0.101215	17.39094		84.3	55 - 130	
21.07		3280								
21.23		919								
21.31		4901								
21.46		1610								
21.60		266								
22.16		147								
22.76		193								
23.08		365								
23.28		559								
24.31		614								
24.48		971								
24.68		425								

Manually Integrated Peaks



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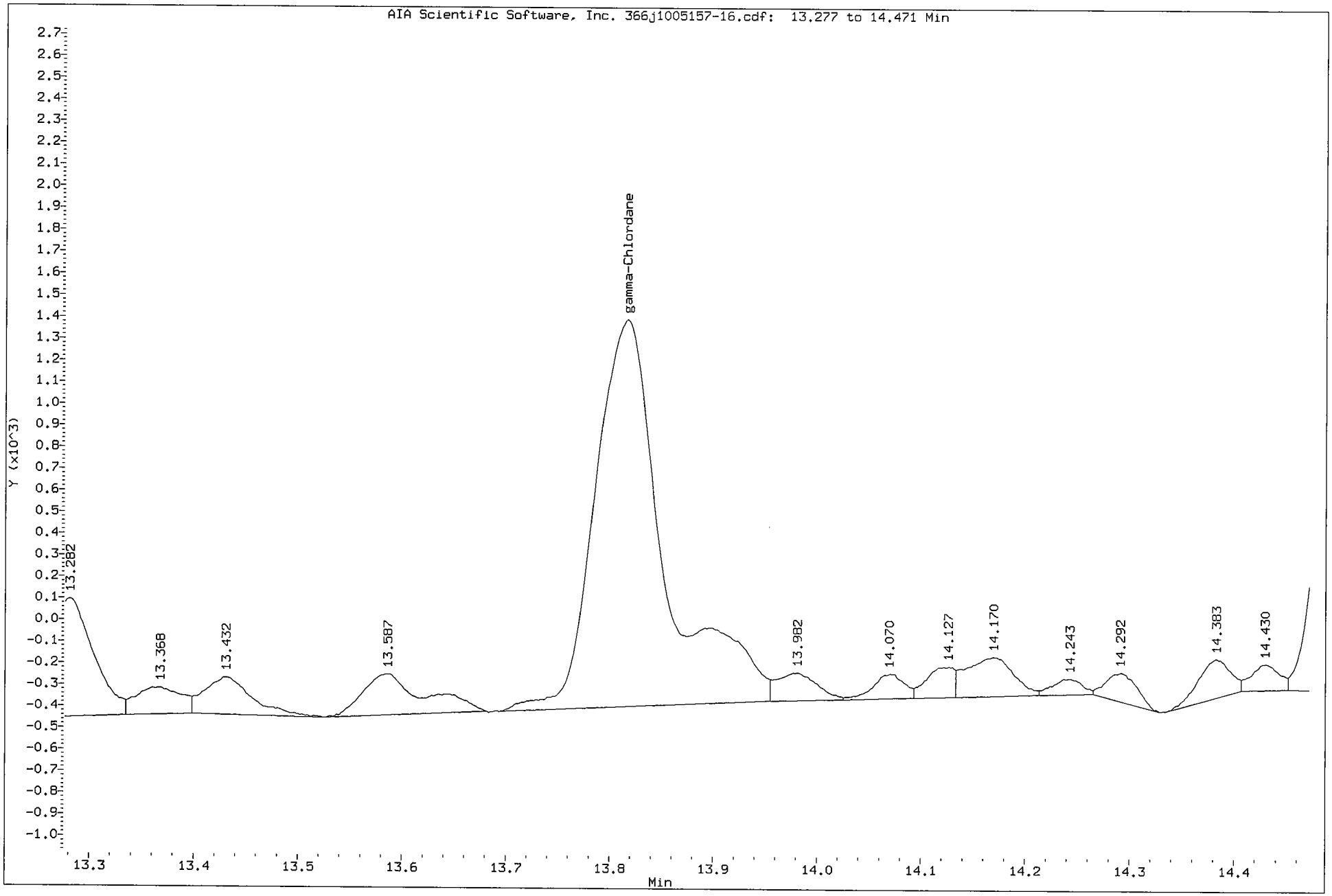
Injection Date: 09-JUN-2010 04:02
Instrument: tracegc84.i
Client Sample ID: SS82D-0-1



1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS90-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 5 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.8	U
319-85-7	beta-BHC	1.8	U
319-84-6	alpha-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
72-54-8	4,4'-DDD	3.5	U
72-55-9	4,4'-DDE	3.5	U
50-29-3	4,4'-DDT	3.5	U
60-57-1	Dieldrin	0.40	JP
959-98-8	Endosulfan I	1.8	U
33213-65-9	Endosulfan II	20	
1031-07-8	Endosulfan sulfate	0.61	JP
72-20-8	Endrin	1.1	JP
7421-93-4	Endrin Aldehyde	3.5	U
76-44-8	Heptachlor	1.8	U
1024-57-3	Heptachlor Epoxide	1.8	U
72-43-5	Methoxychlor	18	U
8001-35-2	Toxaphene	87	U
53494-70-5	Endrin Ketone	3.5	U
5103-74-2	gamma-Chlordane	1.9	P
5103-71-9	alpha-Chlordane	1.8	U

Data File: /chem/tracegc84.i/j100528zf.b/346j1005157-04.d

Date : 08-JUN-2010 18:24

Client ID: SS90-0-1

Instrument: tracegc84.i

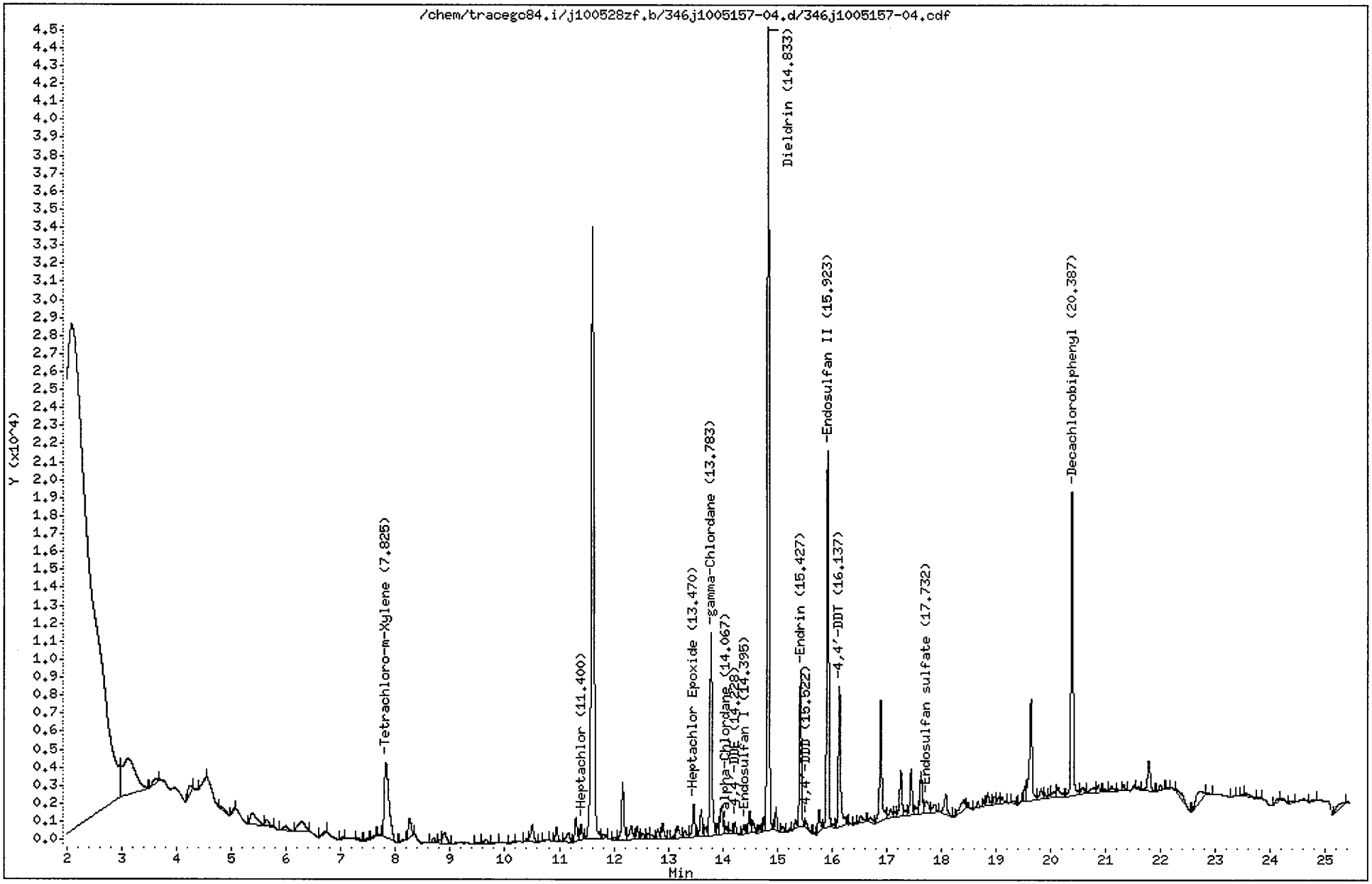
Sample Info: 1005157-04

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-04 Client Smp Id : SS90-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 18:24 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zf.b/8081A_clpestv6.m
Misc. Info : SS90-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 5(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.33		126								
1.49		28656								
2.08		1047032								
3.11		33816								
3.64		1288								
4.25		1728								
4.54		531								
4.81		1157								
5.05		404								
5.37		5700								
5.64		1779								
5.98		1766								
6.28		4969								
6.72		521								
7.04		209								
7.31		330								
7.48		213								
7.62		266								
7.72		266								
7.82	7.77 7.91	24424	522758	Tetrachloro-m-Xylene	0.046720	8.196414		77.9	70 - 125	
8.15		396								
8.26		3824								
8.69		1014								
8.82		615								
8.89		3051								
9.50		329								
9.65		1033								
9.83		194								
10.15		255								
10.41		423								
10.50		3792								
10.77		398								
10.95		2248								
11.17		2464								
11.30		3822								
11.40	11.29 11.43	2173	695465	Heptachlor	0.003125	0.548163	1.789474			J
11.61		116411								

6/10/10

CompuChem

Lab Smp Id : 1005157-04 Client Smp Id : SS90-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 18:24 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zf.b/8081A_clpestv6.m
Misc. Info : SS90-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 5(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.81			880								
12.01			493								
12.16			9855								
12.32			3160								
12.43			2060								
12.52			1299								
12.64			1089								
12.69			998								
12.81			1519								
12.90			2672								
13.10			596								
13.16			2762								
13.31			1512								
13.47	13.42	13.56	5543	593700	Heptachlor Epoxide	0.009335	1.637663	1.789474			J
13.61			4058								
13.70			1556								
13.78	13.70	13.84	31387	594875	gamma-Chlordane	0.052761	9.256257	1.789474			
13.92			1547								
13.98			5633								
14.07	14.00	14.14	1191	516712	alpha-Chlordane	0.002305	0.404378	1.789474			J
14.14			756								
14.23	14.19	14.33	1531	523741	4,4'-DDE	0.002921	0.512507	3.473684			J
14.40	14.29	14.43	1609	548162	Endosulfan I	0.002935	0.514958	1.789474			J
14.49			2996								
14.56			1711								
14.66			926								
14.75			1475								
14.83	14.82	14.96	105558	515556	Dieldrin	0.204744	35.91998	3.473684			E
14.98			3100								
15.10			1241								
15.22			415								
15.34			1220								
15.43	15.33	15.47	21446	463071	Endrin	0.046310	8.124626	3.473684			
15.52	15.48	15.62	1320	393458	4,4'-DDD	0.003352	0.588128	3.473684			J
15.68			245								
15.77			3418								
15.92	15.81	15.95	50623	450326	Endosulfan II	0.112412	19.72137	3.473684			

CompuChem

Lab Smp Id : 1005157-04 Client Smp Id : SS90-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 18:24 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zf.b/8081A_clpestv6.m
Misc. Info : SS90-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 5(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
16.02		385								
16.14	16.08 16.22	22151	454781	4,4'-DDT	0.048705	8.544690	3.473684			
16.32		125								
16.42		223								
16.53		1340								
16.70		1023								
16.89		19672								
17.07		1722								
17.16		925								
17.26		7580								
17.34		972								
17.45		6995								
17.53		1300								
17.63		7800								
17.73	17.65 17.79	3107	392055	Endosulfan sulfate	0.007925	1.390335	3.473684			J
17.87		2128								
18.08		4558								
18.41		4185								
18.49		848								
18.66		1302								
18.79		692								
18.84		2174								
18.97		1405								
19.05		1202								
19.11		1080								
19.33		525								
19.46		220								
19.53		2262								
19.64		19857								
19.83		2045								
19.89		1001								
20.00		694								
20.07		1298								
20.13		2547								
20.39	20.33 20.47	44898	408350	Decachlorobiphenyl	0.109947	19.28901		91.6	55 - 130	
20.59		1685								
20.79		1841								

CompuChem

Lab Smp Id : 1005157-04 Client Smp Id : SS90-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 18:24 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zf.b/8081A_clpestv6.m
Misc. Info : SS90-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 5(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
20.87		1102								
21.00		510								
21.11		1279								
21.33		931								
21.59		343								
21.79		5924								
21.99		1232								
22.14		237								
22.29		3062								
22.73		4753								
22.86		476								
23.34		164								
23.51		308								
23.57		1077								
23.79		199								
24.13		539								
24.37		478								
24.77		413								
25.36		2297								

Data File: /chem/tracegc84.i/j100528zf_2C.b/346j1005157-04.d

Date : 08-JUN-2010 18:24

Client ID: SS90-0-1

Instrument: tracegc84.i

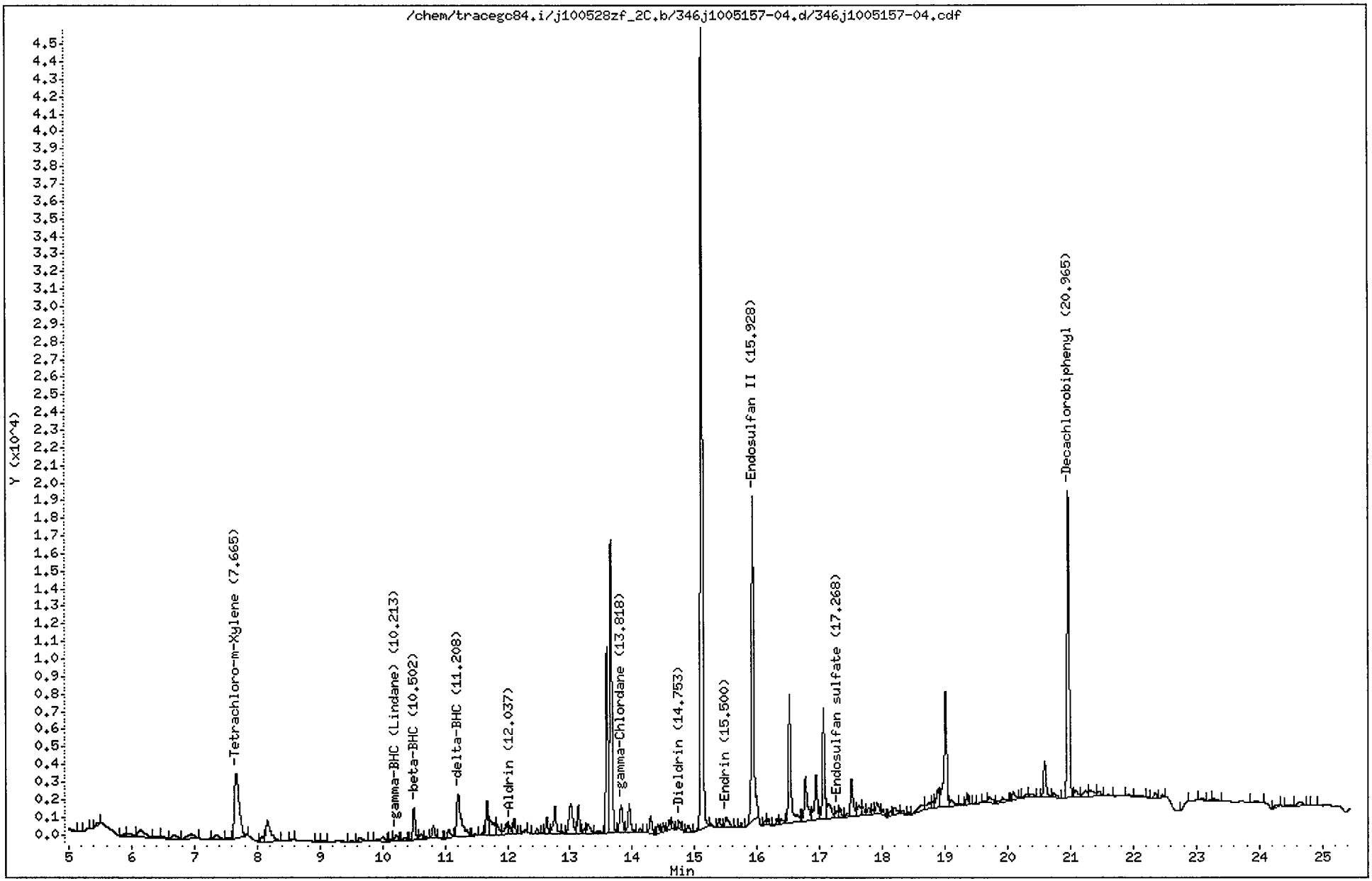
Sample Info: 1005157-04

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-04 Client Smp Id : SS90-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 18:24 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zf_2C.b/8081A_clpest2v6.m
Misc. Info : SS90-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 5(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.03		120								
1.90		841385								
2.96		419								
3.32		1063								
3.38		940								
3.95		97								
4.13		208								
4.80		10110								
5.32		191								
5.47		595								
5.88		353								
5.97		957								
6.15		2875								
6.40		246								
6.49		407								
6.68		1278								
6.95		2062								
7.35		1289								
7.54		360								
7.66	7.61 7.75	19703	416798	Tetrachloro-m-Xylene	0.047270	8.292975		78.8	70 - 125	
8.08		863								
8.16		6424								
8.56		147								
8.95		144								
9.05		254								
9.50		226								
9.63		1053								
10.00		1418								
10.14		136								
10.21	10.17 10.31	878	585542	gamma-BHC (Lindane)	0.001499	0.263064	1.789474			J
10.35		477								
10.50	10.41 10.55	4761	248610	beta-BHC	0.019150	3.359733	1.789474			
10.62		790								
10.70		371								
10.81		2147								
10.94		186								
11.06		1717								

6/10/10

CompuChem

Lab Smp Id : 1005157-04 Client Smp Id : SS90-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 18:24 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zf_2C.b/8081A_clpest2v6.m
Misc. Info : SS90-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 5(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.21	11.11 11.25	12518	551235	delta-BHC	0.022707	3.983718	1.789474			
11.48		482								
11.60		433								
11.67		5001								
11.73		4294								
11.83		2064								
11.98		2431								
12.04	11.97 12.11	1149	542192	Aldrin	0.002117	0.371461	1.789474			J
12.11		2041								
12.24		510								
12.47		900								
12.55		230								
12.63		2268								
12.76		5168								
12.87		291								
13.01		7305								
13.13		3745								
13.23		684								
13.29		2059								
13.44		620								
13.59		23405								
13.66		42417								
13.82	13.71 13.85	5483	513150	gamma-Chlordane	0.010683	1.874217	1.789474			
13.95		5064								
14.12		433								
14.29		2791								
14.41		1287								
14.49		895								
14.59		1291								
14.64		1024								
14.70		130								
14.75	14.75 14.89	1064	461929	Dieldrin	0.002301	0.403723	3.473684			JM2
14.89		1367								
15.12		108097								
15.25		267								
15.39		1355								
15.50	15.40 15.54	2484	408649	Endrin	0.006076	1.065986	3.473684			J

6/10/10

CompuChem

Lab Smp Id : 1005157-04 Client Smp Id : SS90-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 18:24 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zf_2C.b/8081A_clpest2v6.m
Misc. Info : SS90-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 5(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
15.64		119								
15.74		557								
15.93	15.86 16.00	46443	404930	Endosulfan II	0.114691	20.12130	3.473684			
16.13		709								
16.18		834								
16.32		692								
16.38		1069								
16.52		20392								
16.71		529								
16.77		8536								
16.94		8323								
17.06		15929								
17.14		4198								
17.27	17.17 17.31	1284	366674	Endosulfan sulfate	0.003502	0.614342	3.473684			J
17.33		1266								
17.45		597								
17.51		6299								
17.63		2220								
17.68		1500								
17.78		1280								
17.85		724								
17.91		2116								
18.00		774								
18.12		642								
18.19		1501								
18.33		534								
18.43		233								
18.64		1798								
18.75		1437								
18.80		1011								
18.88		3337								
19.01		20640								
19.09		1631								
19.26		292								
19.36		1416								
19.48		91								
19.62		284								

CompuChem

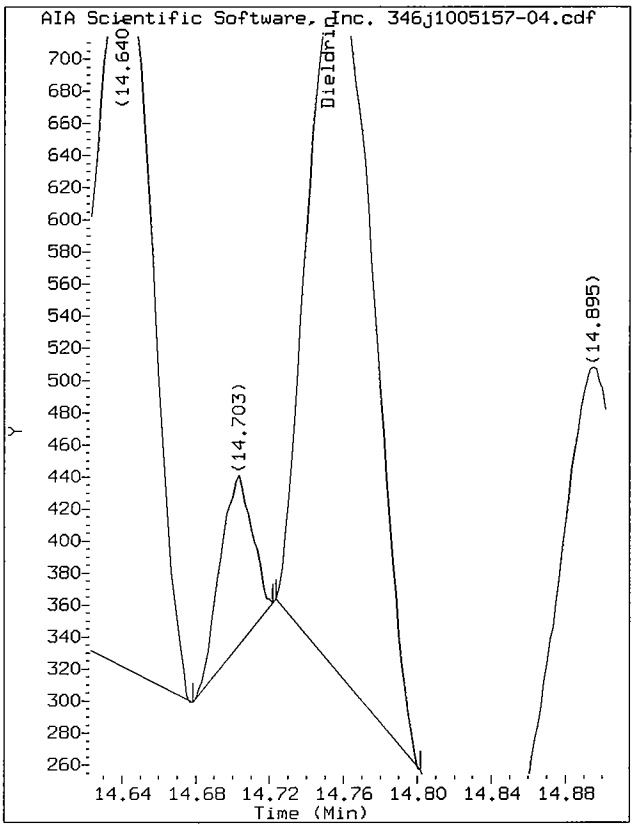
Lab Smp Id : 1005157-04 Client Smp Id : SS90-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 08-JUN-2010 18:24 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zf_2C.b/8081A_clpest2v6.m
Misc. Info : SS90-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 5(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
19.71		1485								
19.92		1301								
20.09		1490								
20.20		97								
20.29		855								
20.37		904								
20.59		5851								
20.74		1183								
20.96	20.90 21.04	44523	406698	Decachlorobiphenyl	0.109472	19.20562		91.2	55 - 130	
21.08		1433								
21.24		1360								
21.31		2060								
21.46		1221								
21.60		345								
21.93		428								
22.08		697								
22.34		1008								
22.46		491								
22.87		519								
23.09		418								
23.23		153								
23.29		516								
23.94		569								
24.27		641								
24.50		548								
24.65		1007								
24.86		155								

Manually Integrated Peaks



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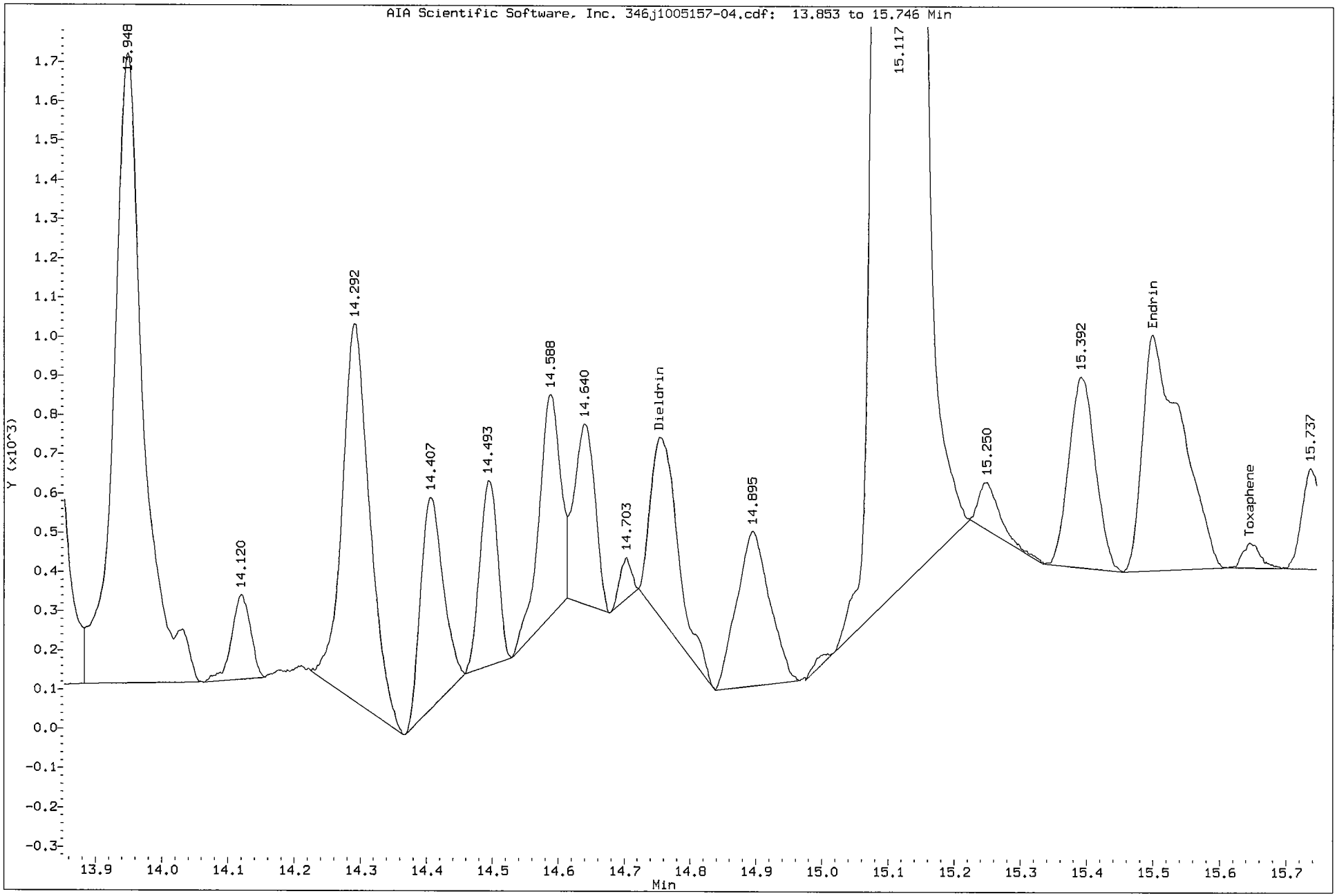
Injection Date: 08-JUN-2010 18:24
Instrument: tracegc84.i
Client Sample ID: SS90-0-1



1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS90-0-1DL

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 1005157-04RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 5 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	8.9	U
319-85-7	beta-BHC	8.9	U
319-84-6	alpha-BHC	8.9	U
319-86-8	delta-BHC	8.9	U
58-89-9	gamma-BHC (Lindane)	8.9	U
72-54-8	4,4'-DDD	17	U
72-55-9	4,4'-DDE	17	U
50-29-3	4,4'-DDT	17	U
60-57-1	Dieldrin	17	U
959-98-8	Endosulfan I	8.9	U
33213-65-9	Endosulfan II	21	D
1031-07-8	Endosulfan sulfate	17	U
72-20-8	Endrin	17	U
7421-93-4	Endrin Aldehyde	17	U
76-44-8	Heptachlor	8.9	U
1024-57-3	Heptachlor Epoxide	8.9	U
72-43-5	Methoxychlor	89	U
8001-35-2	Toxaphene	440	U
53494-70-5	Endrin Ketone	17	U
5103-74-2	gamma-Chlordane	1.3	DJP
5103-71-9	alpha-Chlordane	8.9	U

Data File: /chem/tracegc84.i/j100528zm.b/411j1005157-04.d

Page 1

Date : 11-JUN-2010 02:18

Client ID: SS90-0-1DL

Instrument: tracegc84.i

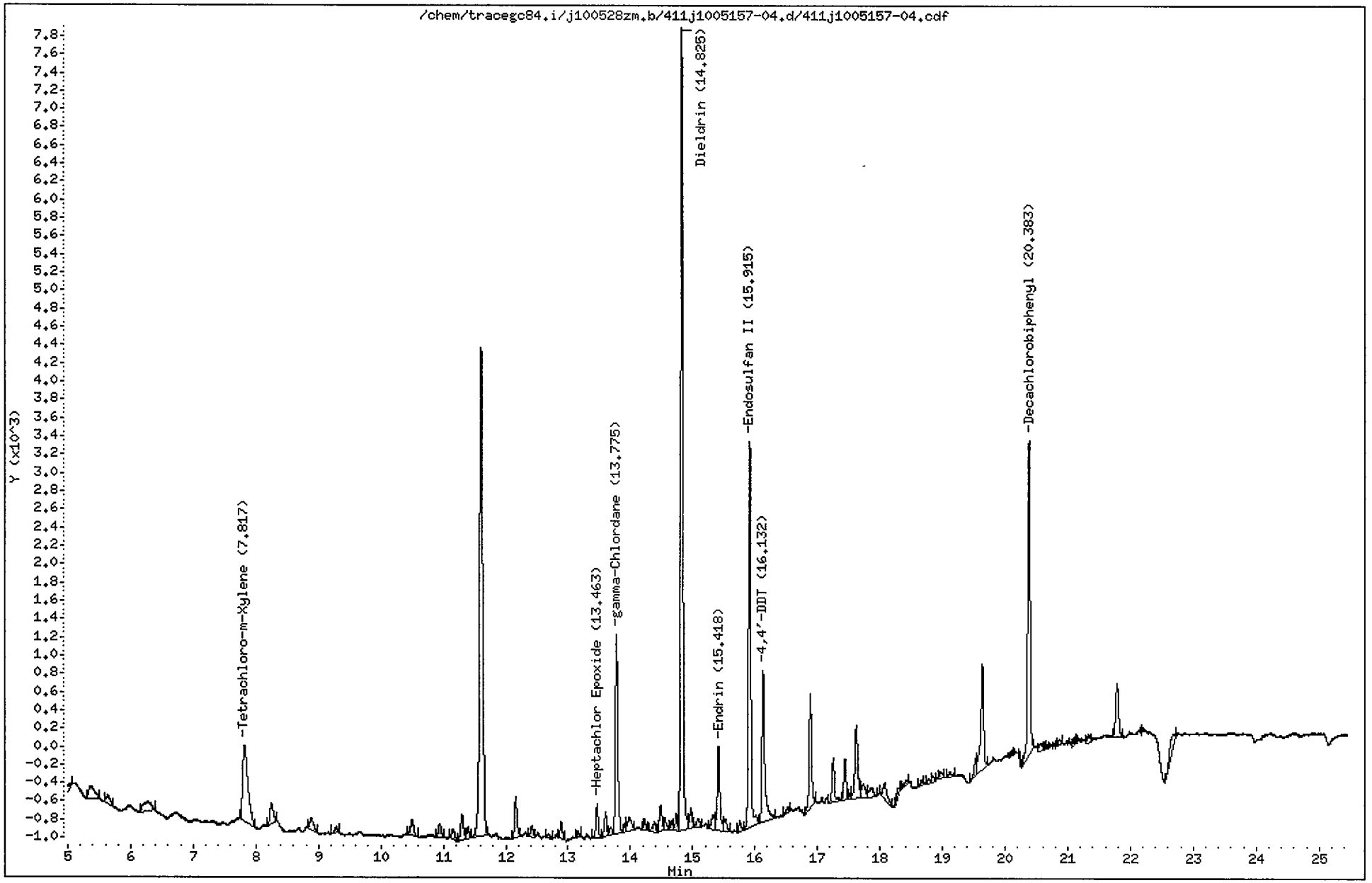
Sample Info: 1005157-04RE1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-04RE1 Client Smp Id : SS90-0-1DL
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 02:18 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zm.b/8081A_clpestv6.m
Misc. Info : SS90-0-1DL

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 5.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 5(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.35		275								
1.47		51009								
2.07		275493								
3.62		313								
3.98		205								
4.27		6269								
4.55		4692								
5.05		135								
5.37		836								
5.64		412								
6.28		915								
7.82	7.77 7.91	4855	522758	Tetrachloro-m-Xylene	0.009285	8.145067		77.4	70 - 125	
8.25		899								
8.88		523								
9.28		181								
10.50		633								
10.94		457								
11.16		393								
11.30		892								
11.39		343								
11.61		18447								
12.16		1237								
12.42		313								
12.69		149								
12.89		446								
13.15		158								
13.46	13.42 13.56	920	593700	Heptachlor Epoxide	0.001548	1.357824	8.947368			J
13.60		676								
13.68		195								
13.78	13.70 13.84	5811	594875	gamma-Chlordane	0.009767	8.567331	8.947368			J
13.91		221								
13.98		688								
14.22		289								
14.39		362								
14.48		772								
14.55		365								
14.66		235								

6/11/10

CompuChem

Lab Smp Id : 1005157-04RE1 Client Smp Id : SS90-0-1DL
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 02:18 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zm.b/8081A_clpestv6.m
Misc. Info : SS90-0-1DL

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 5.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 5(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
14.74		394								
14.82	14.82 14.96	22205	515556	Dieldrin	0.043068	37.77899	17.36842			
14.97		582								
15.09		384								
15.33		658								
15.42	15.33 15.47	2610	463071	Endrin	0.005636	4.944107	17.36842			J
15.52		503								
15.76		291								
15.92	15.81 15.95	11083	450326	Endosulfan II	0.024611	21.58864	17.36842			
16.13	16.08 16.22	5250	454781	4,4'-DDT	0.011542	10.12440	17.36842			J
16.52		166								
16.89		3285								
17.25		1335								
17.44		1147								
17.53		173								
17.62		2666								
17.73		653								
17.87		472								
18.07		739								
18.30		231								
18.43		163								
18.67		150								
18.78		131								
18.85		128								
18.98		229								
19.11		181								
19.53		591								
19.64		3845								
20.38	20.33 20.47	9316	408350	Decachlorobiphenyl	0.022811	20.00992		95.0	55 - 130	
20.53		317								
20.87		159								
21.11		194								
21.34		313								
21.79		1915								
22.70		888								

Data File: /chem/tracegc84.i/j100528zm_2C.b/411j1005157-04.d

Page 1

Date : 11-JUN-2010 02:18

Client ID: SS90-0-1DL

Instrument: tracegc84.i

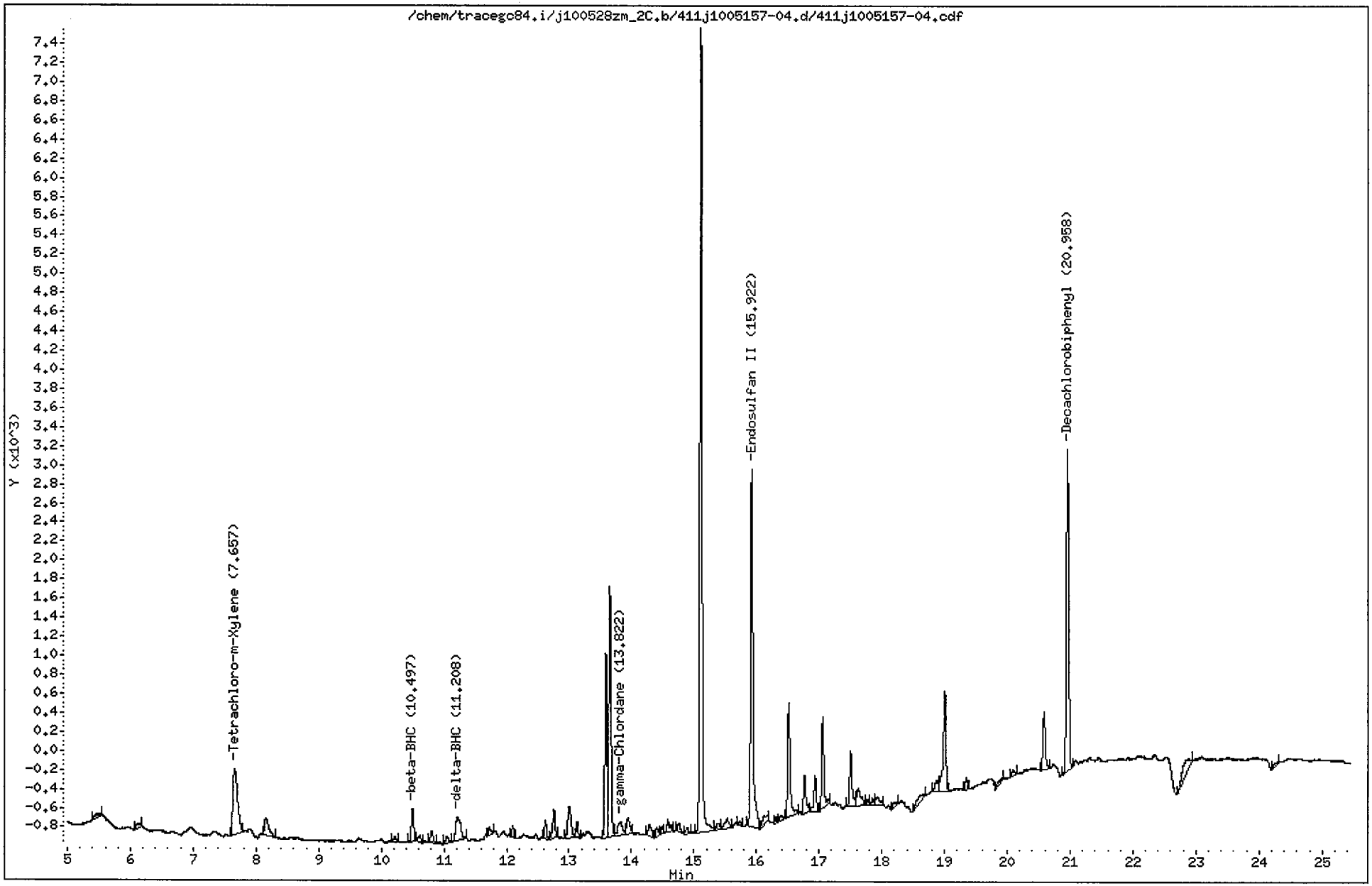
Sample Info: 1005157-04RE1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005157-04RE1 Client Smp Id : SS90-0-1DL
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 02:18 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zm_2C.b/8081A_clpest2v6.m
Misc. Info : SS90-0-1DL

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 5.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 5(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.85		272406								
2.99		1685								
3.34		950								
4.13		150								
4.80		1644								
5.47		215								
6.11		167								
7.66	7.61 7.75	3589	416798	Tetrachloro-m-Xylene	0.008611	7.553418		71.8	70 - 125	
8.15		904								
10.21		173								
10.50	10.41 10.55	862	248610	beta-BHC	0.003467	3.041472	8.947368			J
10.61		189								
10.80		368								
11.05		229								
11.21	11.11 11.25	1442	551235	delta-BHC	0.002614	2.293097	8.947368			J
11.72		200								
12.10		274								
12.62		437								
12.76		759								
13.00		1220								
13.13		326								
13.59		4325								
13.65		6998								
13.82	13.71 13.85	740	513150	gamma-Chlordane	0.001442	1.264977	8.947368			J
13.95		576								
14.28		464								
14.40		250								
14.49		166								
14.58		395								
14.76		281								
14.89		185								
15.11		20597								
15.38		271								
15.53		491								
15.73		109								
15.92	15.86 16.00	9890	404930	Endosulfan II	0.024424	21.42454	17.36842			
16.13		484								

CompuChem

Lab Smp Id : 1005157-04RE1 Client Smp Id : SS90-0-1DL
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 11-JUN-2010 02:18 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zm_2C.b/8081A_clpest2v6.m
Misc. Info : SS90-0-1DL

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 5.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 5(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
16.31		112								
16.39		180								
16.51		3292								
16.77		1055								
16.94		952								
17.05		2373								
17.50		1599								
17.62		868								
17.77		159								
17.85		160								
17.94		422								
18.20		242								
18.67		460								
18.88		379								
19.00		3073								
19.35		272								
19.93		203								
20.09		170								
20.58		1602								
20.96	20.90 21.04	8651	406698	Decachlorobiphenyl	0.021271	18.65907		88.6	55 - 130	
22.88		1160								
24.30		150								

3. Standards Data

a. Initial Calibration Data (Form VI)

b. Continuing Verification Summary (Form VII)

c. Analytical Sequence (Form VIII)

d. Identification Summary for Single Component Analytes (Form X)

e. Identification Summary for Multicomponent Analytes (Form X) – if applicable

f. Chromatograms and Data System Printouts

a. Initial Calibration Data
(Form VI)

For all GC columns, all instruments, in chronological order by GC column and instrument.

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Instrument ID: TRACEGC84 Calibration Date(s): 05/28/10 05/29/10

Column: CLPEST ID: 0.32 (mm) Calibration Time(s): 1818 0201

LAB FILE ID: RF0.0025: 011J0E27RF0.005: 012J0E270RF0.01: 020J0E2701
RF0.02: 014J0E2701RF0.04: 015J0E2701

COMPOUND	RF0.0025	RF0.005	RF0.01	RF0.02	RF0.04
Aldrin	689000.00	667800.00	632900.00	607950.00	585200.00
beta-BHC	334400.00	297400.00	296600.00	291100.00	283162.50
alpha-BHC	798600.00	792600.00	769400.00	762100.00	757100.00
delta-BHC	705200.00	707400.00	683650.00	678075.00	673262.50
gamma-BHC (Lindane)	754800.00	745400.00	722300.00	718750.00	704712.50
4,4'-DDD	422300.00	410500.00	394025.00	374237.50	366225.00
4,4'-DDE	573800.00	546750.00	517475.00	496737.50	483943.75
4,4'-DDT	503900.00	479100.00	446900.00	427812.50	416193.75
Dieldrin	562300.00	538100.00	508150.00	489762.50	479468.75
Endosulfan I	594200.00	570900.00	555750.00	521425.00	498537.50
Endosulfan II	496600.00	469900.00	446300.00	426475.00	412356.25
Endosulfan sulfate	432700.00	416550.00	389175.00	368575.00	353275.00
Endrin	511200.00	486100.00	461225.00	435025.00	421806.25
Endrin Aldehyde	377500.00	364050.00	355425.00	330325.00	315050.00
Heptachlor	759800.00	731000.00	688850.00	661075.00	636600.00
Heptachlor Epoxide	650600.00	633000.00	591800.00	559950.00	533150.00
Methoxychlor	222640.00	208230.00	190545.00	179402.50	170977.50
Toxaphene			7421.000		
(2)			20833.000		
(3)			14312.500		
(4)			16310.000		
(5)			13342.000		
Endrin Ketone	497200.00	482900.00	453250.00	433600.00	419337.50
gamma-Chlordane	652000.00	634000.00	588300.00	561150.00	538925.00
alpha-Chlordane	569000.00	542600.00	515550.00	489675.00	466737.50
Decachlorobiphenyl	482100.00	446650.00	403000.00	369312.50	340687.50
Tetrachloro-m-Xylene	537800.00	545600.00	518200.00	513275.00	498912.50

FORM VI PEST

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Instrument ID: TRACEGC84 Calibration Date(s): 05/28/10 05/29/10

Column: CLPEST ID: 0.32 (mm) Calibration Time(s): 1818 0201

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Aldrin	AVRG	636570.000	6.7
beta-BHC	AVRG	300532.500	6.6
alpha-BHC	AVRG	775960.000	2.4
delta-BHC	AVRG	689517.500	2.3
gamma-BHC (Lindane)	AVRG	729192.500	2.8
4,4'-DDD	AVRG	393457.500	6.0
4,4'-DDE	AVRG	523741.250	7.0
4,4'-DDT	AVRG	454781.250	8.0
Dieldrin	AVRG	515556.250	6.6
Endosulfan I	AVRG	548162.500	7.0
Endosulfan II	AVRG	450326.250	7.5
Endosulfan sulfate	AVRG	392055.000	8.4
Endrin	AVRG	463071.250	7.9
Endrin Aldehyde	AVRG	348470.000	7.3
Heptachlor	AVRG	695465.000	7.2
Heptachlor Epoxide	AVRG	593700.000	8.2
Methoxychlor	AVRG	194359.000	10.8
Toxaphene	AVRG	7421.00000	0.0
(2)	AVRG	20833.0000	0.0
(3)	AVRG	14312.5000	0.0
(4)	AVRG	16310.0000	0.0
(5)	AVRG	13342.0000	0.0
Endrin Ketone	AVRG	457257.500	7.1
gamma-Chlordane	AVRG	594875.000	8.0
alpha-Chlordane	AVRG	516712.500	7.9
Decachlorobiphenyl	AVRG	408350.000	14.0
Tetrachloro-m-Xylene	AVRG	522757.500	3.6

FORM VI PEST

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Instrument ID: TRACEGC84 Calibration Date(s): 05/28/10 05/29/10

Column: CLPEST2 ID: 0.32 (mm) Calibration Time(s): 1818 0201

LAB FILE ID: RF0.0025: 011J0E27RF0.005: 012J0E270RF0.01: 020J0E2701
RF0.02: 014J0E2701RF0.04: 015J0E2701

COMPOUND	RF0.0025	RF0.005	RF0.01	RF0.02	RF0.04
Aldrin	543000.00	543500.00	537750.00	542075.00	544637.50
beta-BHC	251400.00	256400.00	246700.00	245775.00	242775.00
alpha-BHC	562000.00	589300.00	600750.00	631250.00	655487.50
delta-BHC	525200.00	534800.00	544550.00	567700.00	583925.00
gamma-BHC (Lindane)	558800.00	571500.00	581500.00	600750.00	615162.50
4,4'-DDD	333600.00	340000.00	339575.00	344112.50	345843.75
4,4'-DDE	482400.00	477550.00	465050.00	461000.00	457012.50
4,4'-DDT	414500.00	408650.00	400975.00	403962.50	401556.25
Dieldrin	465800.00	466850.00	460025.00	460187.50	456781.25
Endosulfan I	497200.00	488700.00	474850.00	468950.00	460212.50
Endosulfan II	422000.00	410950.00	403100.00	397450.00	391150.00
Endosulfan sulfate	384700.00	379650.00	363725.00	356675.00	348618.75
Endrin	421800.00	415300.00	404950.00	402612.50	398581.25
Endrin Aldehyde	325700.00	326950.00	322975.00	308375.00	300925.00
Heptachlor	549636.36	594700.00	584800.00	584750.00	583600.00
Heptachlor Epoxide	529000.00	519400.00	509950.00	503825.00	497387.50
Methoxychlor	201820.00	193160.00	181780.00	172997.50	164821.25
Toxaphene			15199.000		
(2)			18826.500		
(3)			23283.000		
(4)			19076.500		
(5)			7795.000		
Endrin Ketone	434900.00	429550.00	419150.00	411237.50	402756.25
gamma-Chlordane	526800.00	521000.00	508500.00	506025.00	503425.00
alpha-Chlordane	463600.00	454800.00	441750.00	437925.00	433162.50
Decachlorobiphenyl	466000.00	432800.00	401125.00	376587.50	356975.00
Tetrachloro-m-Xylene	429200.00	424600.00	410850.00	411550.00	407787.50

FORM VI PEST

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Instrument ID: TRACEGC84 Calibration Date(s): 05/28/10 05/29/10

Column: CLPEST2 ID: 0.32 (mm) Calibration Time(s): 1818 0201

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Aldrin	AVRG	542192.500	0.5
beta-BHC	AVRG	248610.000	2.1
alpha-BHC	AVRG	607757.500	6.0
delta-BHC	AVRG	551235.000	4.4
gamma-BHC (Lindane)	AVRG	585542.500	3.8
4,4'-DDD	AVRG	340626.250	1.4
4,4'-DDE	AVRG	468602.500	2.3
4,4'-DDT	AVRG	405928.750	1.4
Dieldrin	AVRG	461928.750	0.9
Endosulfan I	AVRG	477982.500	3.1
Endosulfan II	AVRG	404930.000	3.0
Endosulfan sulfate	AVRG	366673.750	4.2
Endrin	AVRG	408648.750	2.3
Endrin Aldehyde	AVRG	316985.000	3.7
Heptachlor	AVRG	579497.273	3.0
Heptachlor Epoxide	AVRG	511912.500	2.4
Methoxychlor	AVRG	182915.750	8.2
Toxaphene	AVRG	15199.0000	0.0
(2)	AVRG	18826.5000	0.0
(3)	AVRG	23283.0000	0.0
(4)	AVRG	19076.5000	0.0
(5)	AVRG	7795.00000	0.0
Endrin Ketone	AVRG	419518.750	3.1
gamma-Chlordane	AVRG	513150.000	2.0
alpha-Chlordane	AVRG	446247.500	2.8
Decachlorobiphenyl	AVRG	406697.500	10.7
Tetrachloro-m-Xylene	AVRG	416797.500	2.3

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Instrument ID: TRACEGC84 Calibration Date(s): 05/28/10 05/29/10

Column: CLPEST ID: 0.32 (mm) Calibration Time(s): 1818 0201

LAB FILE ID: RT1: 011J0E27012-CRT2: 012J0E27012-CRT3: 020J0E27012-A
RT4: 014J0E27012-CRT5: 015J0E27012-C

COMPOUND	RT1	RT2	RT3	RT4	RT5
Aldrin	12.340	12.340	12.340	12.340	12.340
beta-BHC	10.660	10.660	10.660	10.660	10.660
alpha-BHC	9.600	9.600	9.610	9.600	9.600
delta-BHC	11.090	11.090	11.100	11.090	11.090
gamma-BHC (Lindane)	10.430	10.430	10.430	10.430	10.430
4,4'-DDD	15.810	15.810	15.820	15.810	15.820
4,4'-DDE	14.510	14.520	14.520	14.510	14.520
4,4'-DDT	16.420	16.420	16.420	16.420	16.420
Dieldrin	15.160	15.170	15.170	15.160	15.170
Endosulfan I	14.630	14.640	14.640	14.630	14.640
Endosulfan II	16.160	16.160	16.160	16.160	16.160
Endosulfan sulfate	18.000	18.000	18.000	18.000	18.000
Endrin	15.680	15.680	15.680	15.680	15.680
Endrin Aldehyde	17.070	17.070	17.070	17.070	17.070
Heptachlor	11.620	11.620	11.620	11.620	11.620
Heptachlor Epoxide	13.750	13.750	13.750	13.750	13.750
Methoxychlor	17.440	17.440	17.440	17.440	17.450
Toxaphene			16.150		
(2)			16.290		
(3)			17.030		
(4)			17.900		
(5)			18.560		
Endrin Ketone	18.600	18.610	18.600	18.600	18.600
gamma-Chlordane	14.040	14.040	14.040	14.030	14.040
alpha-Chlordane	14.340	14.340	14.340	14.330	14.340
Decachlorobiphenyl	20.700	20.700	20.700	20.700	20.700
Tetrachloro-m-Xylene	8.090	8.080	8.090	8.080	8.080

FORM VI PEST

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Instrument ID: TRACEGC84 Calibration Date(s): 05/28/10 05/29/10

Column: CLPEST ID: 0.32 (mm) Calibration Time(s): 1818 0201

COMPOUND	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aldrin	12.340	12.272	12.412
beta-BHC	10.660	10.588	10.728
alpha-BHC	9.602	9.533	9.673
delta-BHC	11.092	11.023	11.163
gamma-BHC (Lindane)	10.430	10.357	10.497
4,4'-DDD	15.814	15.747	15.887
4,4'-DDE	14.516	14.445	14.585
4,4'-DDT	16.420	16.350	16.490
Dieldrin	15.166	15.098	15.238
Endosulfan I	14.636	14.567	14.707
Endosulfan II	16.160	16.092	16.232
Endosulfan sulfate	18.000	17.933	18.073
Endrin	15.680	15.605	15.745
Endrin Aldehyde	17.070	16.997	17.137
Heptachlor	11.620	11.552	11.692
Heptachlor Epoxide	13.750	13.683	13.823
Methoxychlor	17.442	17.375	17.515
Toxaphene	16.150	16.078	16.218
(2)	16.290	16.223	16.363
(3)	17.030	16.957	17.097
(4)	17.900	17.827	17.967
(5)	18.560	18.493	18.633
Endrin Ketone	18.602	18.533	18.673
gamma-Chlordane	14.038	13.967	14.107
alpha-Chlordane	14.338	14.265	14.405
Decachlorobiphenyl	20.700	20.635	20.775
Tetrachloro-m-Xylene	8.084	8.012	8.152

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Instrument ID: TRACEGC84 Calibration Date(s): 05/28/10 05/29/10

Column: CLPEST2 ID: 0.32 (mm) Calibration Time(s): 1818 0201

LAB FILE ID: RT1: 011J0E27012-CRT2: 012J0E27012-CRT3: 020J0E27012-A
RT4: 014J0E27012-CRT5: 015J0E27012-C

COMPOUND	RT1	RT2	RT3	RT4	RT5
Aldrin	12.280	12.280	12.280	12.280	12.280
beta-BHC	10.700	10.700	10.700	10.690	10.700
alpha-BHC	9.550	9.550	9.550	9.550	9.550
delta-BHC	11.400	11.400	11.400	11.400	11.400
gamma-BHC (Lindane)	10.460	10.460	10.460	10.460	10.460
4,4'-DDD	15.970	15.980	15.970	15.970	15.980
4,4'-DDE	14.730	14.730	14.730	14.730	14.730
4,4'-DDT	16.640	16.640	16.640	16.640	16.640
Dieldrin	15.060	15.060	15.060	15.060	15.060
Endosulfan I	14.460	14.460	14.460	14.460	14.460
Endosulfan II	16.180	16.180	16.180	16.180	16.180
Endosulfan sulfate	17.490	17.490	17.490	17.490	17.490
Endrin	15.720	15.720	15.720	15.720	15.720
Endrin Aldehyde	16.900	16.900	16.900	16.900	16.900
Heptachlor	11.520	11.520	11.530	11.520	11.520
Heptachlor Epoxide	13.600	13.600	13.600	13.600	13.600
Methoxychlor	18.090	18.100	18.090	18.090	18.100
Toxaphene			15.610		
(2)			16.360		
(3)			16.920		
(4)			18.120		
(5)			18.540		
Endrin Ketone	18.630	18.630	18.630	18.630	18.630
gamma-Chlordane	14.020	14.020	14.020	14.020	14.020
alpha-Chlordane	14.350	14.350	14.350	14.340	14.350
Decachlorobiphenyl	21.250	21.250	21.250	21.250	21.250
Tetrachloro-m-Xylene	7.890	7.890	7.890	7.890	7.890

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Instrument ID: TRACEGC84 Calibration Date(s): 05/28/10 05/29/10

Column: CLPEST2 ID: 0.32 (mm) Calibration Time(s): 1818 0201

COMPOUND	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aldrin	12.280	12.208	12.348
beta-BHC	10.698	10.625	10.765
alpha-BHC	9.550	9.480	9.620
delta-BHC	11.400	11.330	11.470
gamma-BHC (Lindane)	10.460	10.390	10.530
4,4'-DDD	15.974	15.907	16.047
4,4'-DDE	14.730	14.665	14.805
4,4'-DDT	16.640	16.572	16.712
Dieldrin	15.060	14.993	15.133
Endosulfan I	14.460	14.392	14.532
Endosulfan II	16.180	16.108	16.248
Endosulfan sulfate	17.490	17.420	17.560
Endrin	15.720	15.652	15.792
Endrin Aldehyde	16.900	16.833	16.973
Heptachlor	11.522	11.453	11.593
Heptachlor Epoxide	13.600	13.528	13.668
Methoxychlor	18.094	18.027	18.167
Toxaphene	15.610	15.535	15.675
(2)	16.360	16.288	16.428
(3)	16.920	16.847	16.987
(4)	18.120	18.050	18.190
(5)	18.540	18.465	18.605
Endrin Ketone	18.630	18.557	18.697
gamma-Chlordane	14.020	13.952	14.092
alpha-Chlordane	14.348	14.277	14.417
Decachlorobiphenyl	21.250	21.180	21.320
Tetrachloro-m-Xylene	7.890	7.823	7.963

b. Continuing Calibration Summary (Form VII)

For all performance evaluation mixtures (if applicable) and Continuing calibration verification standards, on all GC columns and instruments, in chronological order by GC column and instrument.

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Instrument ID: TRACEGC84 Calibration Date: 06/08/10 Time: 1404

Lab File ID: 337JSEQ-CCV1 Init. Calib. Date(s): 05/28/10 05/28/10

Init. Calib. Times: 1818 2014

GC Column: CLPEST ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	636570.00	664400.00	0.01	4.37	20.00	AVRG
alpha-BHC	775960.00	813100.00	0.01	4.79	20.00	AVRG
beta-BHC	300532.50	319500.00	0.01	6.31	20.00	AVRG
delta-BHC	689517.50	723550.00	0.01	4.94	20.00	AVRG
gamma-BHC (Lindane)	729192.50	770750.00	0.01	5.70	20.00	AVRG
4,4'-DDD	393457.50	403900.00	0.01	2.65	20.00	AVRG
4,4'-DDE	523741.25	542200.00	0.01	3.52	20.00	AVRG
4,4'-DDT	454781.25	460725.00	0.01	1.31	20.00	AVRG
Dieldrin	515556.25	529725.00	0.01	2.75	20.00	AVRG
Endosulfan I	548162.50	580250.00	0.01	5.85	20.00	AVRG
Endosulfan II	450326.25	469225.00	0.01	4.20	20.00	AVRG
Endosulfan sulfate	392055.00	395550.00	0.01	0.89	20.00	AVRG
Endrin	463071.25	470900.00	0.01	1.69	20.00	AVRG
Endrin Aldehyde	348470.00	368850.00	0.01	5.85	20.00	AVRG
Heptachlor	695465.00	722900.00	0.01	3.94	20.00	AVRG
Heptachlor Epoxide	593700.00	617750.00	0.01	4.05	20.00	AVRG
Methoxychlor	194359.00	194890.00	0.01	0.27	20.00	AVRG
Endrin Ketone	457257.50	470050.00	0.01	2.80	20.00	AVRG
gamma-Chlordane	594875.00	614700.00	0.01	3.33	20.00	AVRG
alpha-Chlordane	516712.50	564550.00	0.01	9.26	20.00	AVRG
Decachlorobiphenyl	408350.00	413700.00	0.01	1.31	20.00	AVRG
Tetrachloro-m-Xylene	522757.50	545050.00	0.01	4.26	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Instrument ID: TRACEGC84 Calibration Date: 06/08/10 Time: 1404

Lab File ID: 337JSEQ-CCV1 Init. Calib. Date(s): 05/28/10 05/28/10

Init. Calib. Times: 1818 2014

GC Column: CLPEST2 ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	542192.50	559367.50	0.01	3.17	20.00	AVRG
beta-BHC	248610.00	258215.00	0.01	3.86	20.00	AVRG
alpha-BHC	607757.50	624130.00	0.01	2.69	20.00	AVRG
delta-BHC	551235.00	554852.50	0.01	0.66	20.00	AVRG
gamma-BHC (Lindane)	585542.50	607430.00	0.01	3.74	20.00	AVRG
4,4'-DDD	340626.25	345363.75	0.01	1.39	20.00	AVRG
4,4'-DDE	468602.50	480875.00	0.01	2.62	20.00	AVRG
4,4'-DDT	405928.75	405906.25	0.01	-0.00	20.00	AVRG
Dieldrin	461928.75	477671.25	0.01	3.41	20.00	AVRG
Endosulfan I	477982.50	492015.00	0.01	2.94	20.00	AVRG
Endosulfan II	404930.00	415911.25	0.01	2.71	20.00	AVRG
Endosulfan sulfate	366673.75	367986.25	0.01	0.36	20.00	AVRG
Endrin	408648.75	414787.50	0.01	1.50	20.00	AVRG
Endrin Aldehyde	316985.00	330915.00	0.01	4.39	20.00	AVRG
Heptachlor	579497.27	596082.50	0.01	2.86	20.00	AVRG
Heptachlor Epoxide	511912.50	526170.00	0.01	2.78	20.00	AVRG
Methoxychlor	182915.75	180491.00	0.01	-1.32	20.00	AVRG
Endrin Ketone	419518.75	428807.50	0.01	2.21	20.00	AVRG
gamma-Chlordane	513150.00	528632.50	0.01	3.02	20.00	AVRG
alpha-Chlordane	446247.50	460495.00	0.01	3.19	20.00	AVRG
Decachlorobiphenyl	406697.50	411367.50	0.01	1.15	20.00	AVRG
Tetrachloro-m-Xylene	416797.50	424025.00	0.01	1.73	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Instrument ID: TRACEGC84 Calibration Date: 06/08/10 Time: 1951

Lab File ID: 349JSEQ-CCV2 Init. Calib. Date(s): 05/28/10 05/28/10

Init. Calib. Times: 1818 2014

GC Column: CLPEST ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	636570.00	666550.00	0.01	4.71	20.00	AVRG
alpha-BHC	775960.00	821450.00	0.01	5.86	20.00	AVRG
beta-BHC	300532.50	322550.00	0.01	7.33	20.00	AVRG
delta-BHC	689517.50	738450.00	0.01	7.10	20.00	AVRG
gamma-BHC (Lindane)	729192.50	773450.00	0.01	6.07	20.00	AVRG
4,4'-DDD	393457.50	404300.00	0.01	2.76	20.00	AVRG
4,4'-DDE	523741.25	539475.00	0.01	3.00	20.00	AVRG
4,4'-DDT	454781.25	455100.00	0.01	0.07	20.00	AVRG
Dieldrin	515556.25	535375.00	0.01	3.84	20.00	AVRG
Endosulfan I	548162.50	571300.00	0.01	4.22	20.00	AVRG
Endosulfan II	450326.25	460575.00	0.01	2.28	20.00	AVRG
Endosulfan sulfate	392055.00	395200.00	0.01	0.80	20.00	AVRG
Endrin	463071.25	492250.00	0.01	6.30	20.00	AVRG
Endrin Aldehyde	348470.00	349950.00	0.01	0.42	20.00	AVRG
Heptachlor	695465.00	728200.00	0.01	4.71	20.00	AVRG
Heptachlor Epoxide	593700.00	615750.00	0.01	3.71	20.00	AVRG
Methoxychlor	194359.00	194825.00	0.01	0.24	20.00	AVRG
Endrin Ketone	457257.50	455525.00	0.01	-0.38	20.00	AVRG
gamma-Chlordane	594875.00	615700.00	0.01	3.50	20.00	AVRG
alpha-Chlordane	516712.50	548850.00	0.01	6.22	20.00	AVRG
Decachlorobiphenyl	408350.00	399125.00	0.01	-2.26	20.00	AVRG
Tetrachloro-m-Xylene	522757.50	560300.00	0.01	7.18	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Instrument ID: TRACEGC84 Calibration Date: 06/08/10 Time: 1951

Lab File ID: 349JSEQ-CCV2 Init. Calib. Date(s): 05/28/10 05/28/10

Init. Calib. Times: 1818 2014

GC Column: CLPEST2 ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	542192.50	563712.50	0.01	3.97	20.00	AVRG
beta-BHC	248610.00	261317.50	0.01	5.11	20.00	AVRG
alpha-BHC	607757.50	637770.00	0.01	4.94	20.00	AVRG
delta-BHC	551235.00	575265.00	0.01	4.36	20.00	AVRG
gamma-BHC (Lindane)	585542.50	616805.00	0.01	5.34	20.00	AVRG
4,4'-DDD	340626.25	347946.25	0.01	2.15	20.00	AVRG
4,4'-DDE	468602.50	487742.50	0.01	4.08	20.00	AVRG
4,4'-DDT	405928.75	405376.25	0.01	-0.14	20.00	AVRG
Dieldrin	461928.75	481122.50	0.01	4.16	20.00	AVRG
Endosulfan I	477982.50	498222.50	0.01	4.23	20.00	AVRG
Endosulfan II	404930.00	415440.00	0.01	2.60	20.00	AVRG
Endosulfan sulfate	366673.75	371470.00	0.01	1.31	20.00	AVRG
Endrin	408648.75	436013.75	0.01	6.70	20.00	AVRG
Endrin Aldehyde	316985.00	321591.25	0.01	1.45	20.00	AVRG
Heptachlor	579497.27	607042.50	0.01	4.75	20.00	AVRG
Heptachlor Epoxide	511912.50	528260.00	0.01	3.19	20.00	AVRG
Methoxychlor	182915.75	182056.50	0.01	-0.47	20.00	AVRG
Endrin Ketone	419518.75	419835.00	0.01	0.08	20.00	AVRG
gamma-Chlordane	513150.00	532085.00	0.01	3.69	20.00	AVRG
alpha-Chlordane	446247.50	465240.00	0.01	4.26	20.00	AVRG
Decachlorobiphenyl	406697.50	396095.00	0.01	-2.61	20.00	AVRG
Tetrachloro-m-Xylene	416797.50	434165.00	0.01	4.17	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Instrument ID: TRACEGC84 Calibration Date: 06/09/10 Time: 0138

Lab File ID: 361JSEQ-CCV3 Init. Calib. Date(s): 05/28/10 05/28/10

Init. Calib. Times: 1818 2014

GC Column: CLPEST ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	636570.00	661200.00	0.01	3.87	20.00	AVRG
alpha-BHC	775960.00	816150.00	0.01	5.18	20.00	AVRG
beta-BHC	300532.50	318300.00	0.01	5.91	20.00	AVRG
delta-BHC	689517.50	716950.00	0.01	3.98	20.00	AVRG
gamma-BHC (Lindane)	729192.50	765150.00	0.01	4.93	20.00	AVRG
4,4'-DDD	393457.50	394600.00	0.01	0.29	20.00	AVRG
4,4'-DDE	523741.25	510550.00	0.01	-2.52	20.00	AVRG
4,4'-DDT	454781.25	440200.00	0.01	-3.21	20.00	AVRG
Dieldrin	515556.25	529100.00	0.01	2.63	20.00	AVRG
Endosulfan I	548162.50	538300.00	0.01	-1.80	20.00	AVRG
Endosulfan II	450326.25	452825.00	0.01	0.55	20.00	AVRG
Endosulfan sulfate	392055.00	393325.00	0.01	0.32	20.00	AVRG
Endrin	463071.25	488000.00	0.01	5.38	20.00	AVRG
Endrin Aldehyde	348470.00	356250.00	0.01	2.23	20.00	AVRG
Heptachlor	695465.00	722700.00	0.01	3.92	20.00	AVRG
Heptachlor Epoxide	593700.00	611850.00	0.01	3.06	20.00	AVRG
Methoxychlor	194359.00	189515.00	0.01	-2.49	20.00	AVRG
Endrin Ketone	457257.50	445775.00	0.01	-2.51	20.00	AVRG
gamma-Chlordane	594875.00	610850.00	0.01	2.68	20.00	AVRG
alpha-Chlordane	516712.50	531350.00	0.01	2.83	20.00	AVRG
Decachlorobiphenyl	408350.00	392900.00	0.01	-3.78	20.00	AVRG
Tetrachloro-m-Xylene	522757.50	557000.00	0.01	6.55	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Instrument ID: TRACEGC84 Calibration Date: 06/09/10 Time: 0138

Lab File ID: 361JSEQ-CCV3 Init. Calib. Date(s): 05/28/10 05/28/10

Init. Calib. Times: 1818 2014

GC Column: CLPEST2 ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	542192.50	558282.50	0.01	2.97	20.00	AVRG
beta-BHC	248610.00	254870.00	0.01	2.52	20.00	AVRG
alpha-BHC	607757.50	630060.00	0.01	3.67	20.00	AVRG
delta-BHC	551235.00	558052.50	0.01	1.24	20.00	AVRG
gamma-BHC (Lindane)	585542.50	607565.00	0.01	3.76	20.00	AVRG
4,4'-DDD	340626.25	338485.00	0.01	-0.63	20.00	AVRG
4,4'-DDE	468602.50	480020.00	0.01	2.44	20.00	AVRG
4,4'-DDT	405928.75	387160.00	0.01	-4.62	20.00	AVRG
Dieldrin	461928.75	476145.00	0.01	3.08	20.00	AVRG
Endosulfan I	477982.50	491742.50	0.01	2.88	20.00	AVRG
Endosulfan II	404930.00	409120.00	0.01	1.03	20.00	AVRG
Endosulfan sulfate	366673.75	366390.00	0.01	-0.08	20.00	AVRG
Endrin	408648.75	436516.25	0.01	6.82	20.00	AVRG
Endrin Aldehyde	316985.00	312697.50	0.01	-1.35	20.00	AVRG
Heptachlor	579497.27	601655.00	0.01	3.82	20.00	AVRG
Heptachlor Epoxide	511912.50	523775.00	0.01	2.32	20.00	AVRG
Methoxychlor	182915.75	175410.50	0.01	-4.10	20.00	AVRG
Endrin Ketone	419518.75	406723.75	0.01	-3.05	20.00	AVRG
gamma-Chlordane	513150.00	525772.50	0.01	2.46	20.00	AVRG
alpha-Chlordane	446247.50	457937.50	0.01	2.62	20.00	AVRG
Decachlorobiphenyl	406697.50	389161.25	0.01	-4.31	20.00	AVRG
Tetrachloro-m-Xylene	416797.50	428530.00	0.01	2.81	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Instrument ID: TRACEGC84 Calibration Date: 06/09/10 Time: 0627

Lab File ID: 371JSEQ-CCV4 Init. Calib. Date(s): 05/28/10 05/28/10

Init. Calib. Times: 1818 2014

GC Column: CLPEST ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	636570.00	668170.00	0.01	4.96	20.00	AVRG
alpha-BHC	775960.00	821625.00	0.01	5.88	20.00	AVRG
beta-BHC	300532.50	320362.50	0.01	6.60	20.00	AVRG
delta-BHC	689517.50	729257.50	0.01	5.76	20.00	AVRG
gamma-BHC (Lindane)	729192.50	772375.00	0.01	5.92	20.00	AVRG
4,4'-DDD	393457.50	403815.00	0.01	2.63	20.00	AVRG
4,4'-DDE	523741.25	534173.75	0.01	1.99	20.00	AVRG
4,4'-DDT	454781.25	457131.25	0.01	0.52	20.00	AVRG
Dieldrin	515556.25	538685.00	0.01	4.49	20.00	AVRG
Endosulfan I	548162.50	594697.50	0.01	8.49	20.00	AVRG
Endosulfan II	450326.25	471267.50	0.01	4.65	20.00	AVRG
Endosulfan sulfate	392055.00	404265.00	0.01	3.11	20.00	AVRG
Endrin	463071.25	500448.75	0.01	8.07	20.00	AVRG
Endrin Aldehyde	348470.00	360907.50	0.01	3.57	20.00	AVRG
Heptachlor	695465.00	728435.00	0.01	4.74	20.00	AVRG
Heptachlor Epoxide	593700.00	616265.00	0.01	3.80	20.00	AVRG
Methoxychlor	194359.00	190572.50	0.01	-1.95	20.00	AVRG
Endrin Ketone	457257.50	462135.00	0.01	1.07	20.00	AVRG
gamma-Chlordane	594875.00	621260.00	0.01	4.44	20.00	AVRG
alpha-Chlordane	516712.50	537915.00	0.01	4.10	20.00	AVRG
Decachlorobiphenyl	408350.00	400655.00	0.01	-1.88	20.00	AVRG
Tetrachloro-m-Xylene	522757.50	563475.00	0.01	7.79	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Instrument ID: TRACEGC84 Calibration Date: 06/09/10 Time: 0627

Lab File ID: 371JSEQ-CCV4 Init. Calib. Date(s): 05/28/10 05/28/10

Init. Calib. Times: 1818 2014

GC Column: CLPEST2 ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	542192.50	564400.00	0.01	4.10	20.00	AVRG
beta-BHC	248610.00	257650.00	0.01	3.64	20.00	AVRG
alpha-BHC	607757.50	635650.00	0.01	4.59	20.00	AVRG
delta-BHC	551235.00	564300.00	0.01	2.37	20.00	AVRG
gamma-BHC (Lindane)	585542.50	612000.00	0.01	4.52	20.00	AVRG
4,4'-DDD	340626.25	344575.00	0.01	1.16	20.00	AVRG
4,4'-DDE	468602.50	483875.00	0.01	3.26	20.00	AVRG
4,4'-DDT	405928.75	394900.00	0.01	-2.72	20.00	AVRG
Dieldrin	461928.75	482375.00	0.01	4.43	20.00	AVRG
Endosulfan I	477982.50	494550.00	0.01	3.47	20.00	AVRG
Endosulfan II	404930.00	419375.00	0.01	3.57	20.00	AVRG
Endosulfan sulfate	366673.75	372950.00	0.01	1.71	20.00	AVRG
Endrin	408648.75	440950.00	0.01	7.90	20.00	AVRG
Endrin Aldehyde	316985.00	321175.00	0.01	1.32	20.00	AVRG
Heptachlor	579497.27	606150.00	0.01	4.60	20.00	AVRG
Heptachlor Epoxide	511912.50	529850.00	0.01	3.50	20.00	AVRG
Methoxychlor	182915.75	180125.00	0.01	-1.52	20.00	AVRG
Endrin Ketone	419518.75	420925.00	0.01	0.34	20.00	AVRG
gamma-Chlordane	513150.00	535500.00	0.01	4.36	20.00	AVRG
alpha-Chlordane	446247.50	461300.00	0.01	3.37	20.00	AVRG
Decachlorobiphenyl	406697.50	402625.00	0.01	-1.00	20.00	AVRG
Tetrachloro-m-Xylene	416797.50	433850.00	0.01	4.09	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Instrument ID: TRACEGC84 Calibration Date: 06/11/10 Time: 0022

Lab File ID: 407JSEQ-CCV3 Init. Calib. Date(s): 05/28/10 05/28/10

Init. Calib. Times: 1818 2014

GC Column: CLPEST ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	636570.00	646887.50	0.01	1.62	20.00	AVRG
alpha-BHC	775960.00	810340.00	0.01	4.43	20.00	AVRG
beta-BHC	300532.50	317242.50	0.01	5.56	20.00	AVRG
delta-BHC	689517.50	725055.00	0.01	5.15	20.00	AVRG
gamma-BHC (Lindane)	729192.50	759185.00	0.01	4.11	20.00	AVRG
4,4'-DDD	393457.50	379563.75	0.01	-3.53	20.00	AVRG
4,4'-DDE	523741.25	513921.25	0.01	-1.87	20.00	AVRG
4,4'-DDT	454781.25	415382.50	0.01	-8.66	20.00	AVRG
Dieldrin	515556.25	509510.00	0.01	-1.17	20.00	AVRG
Endosulfan I	548162.50	550735.00	0.01	0.47	20.00	AVRG
Endosulfan II	450326.25	433492.50	0.01	-3.74	20.00	AVRG
Endosulfan sulfate	392055.00	370702.50	0.01	-5.45	20.00	AVRG
Endrin	463071.25	478725.00	0.01	3.38	20.00	AVRG
Endrin Aldehyde	348470.00	334312.50	0.01	-4.06	20.00	AVRG
Heptachlor	695465.00	709850.00	0.01	2.07	20.00	AVRG
Heptachlor Epoxide	593700.00	592582.50	0.01	-0.19	20.00	AVRG
Methoxychlor	194359.00	181126.25	0.01	-6.81	20.00	AVRG
Endrin Ketone	457257.50	421748.75	0.01	-7.76	20.00	AVRG
gamma-Chlordane	594875.00	586210.00	0.01	-1.46	20.00	AVRG
alpha-Chlordane	516712.50	510202.50	0.01	-1.26	20.00	AVRG
Decachlorobiphenyl	408350.00	359193.75	0.01	-12.04	20.00	AVRG
Tetrachloro-m-Xylene	522757.50	555607.50	0.01	6.28	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Instrument ID: TRACEGC84 Calibration Date: 06/11/10 Time: 0022

Lab File ID: 407JSEQ-CCV3 Init. Calib. Date(s): 05/28/10 05/28/10

Init. Calib. Times: 1818 2014

GC Column: CLPEST2 ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	542192.50	546915.00	0.01	0.87	20.00	AVRG
beta-BHC	248610.00	256512.50	0.01	3.18	20.00	AVRG
alpha-BHC	607757.50	627805.00	0.01	3.30	20.00	AVRG
delta-BHC	551235.00	564635.00	0.01	2.43	20.00	AVRG
gamma-BHC (Lindane)	585542.50	604102.50	0.01	3.17	20.00	AVRG
4,4'-DDD	340626.25	327416.25	0.01	-3.88	20.00	AVRG
4,4'-DDE	468602.50	464302.50	0.01	-0.92	20.00	AVRG
4,4'-DDT	405928.75	362801.25	0.01	-10.62	20.00	AVRG
Dieldrin	461928.75	461000.00	0.01	-0.20	20.00	AVRG
Endosulfan I	477982.50	477827.50	0.01	-0.03	20.00	AVRG
Endosulfan II	404930.00	393211.25	0.01	-2.89	20.00	AVRG
Endosulfan sulfate	366673.75	347507.50	0.01	-5.23	20.00	AVRG
Endrin	408648.75	424610.00	0.01	3.90	20.00	AVRG
Endrin Aldehyde	316985.00	299287.50	0.01	-5.58	20.00	AVRG
Heptachlor	579497.27	592015.00	0.01	2.16	20.00	AVRG
Heptachlor Epoxide	511912.50	507825.00	0.01	-0.80	20.00	AVRG
Methoxychlor	182915.75	169753.00	0.01	-7.20	20.00	AVRG
Endrin Ketone	419518.75	385518.75	0.01	-8.10	20.00	AVRG
gamma-Chlordane	513150.00	507720.00	0.01	-1.06	20.00	AVRG
alpha-Chlordane	446247.50	443060.00	0.01	-0.71	20.00	AVRG
Decachlorobiphenyl	406697.50	355435.00	0.01	-12.60	20.00	AVRG
Tetrachloro-m-Xylene	416797.50	427060.00	0.01	2.46	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Instrument ID: TRACEGC84 Calibration Date: 06/11/10 Time: 0511

Lab File ID: 417JSEQ-CCV4 Init. Calib. Date(s): 05/28/10 05/28/10

Init. Calib. Times: 1818 2014

GC Column: CLPEST ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	636570.00	663750.00	0.01	4.27	20.00	AVRG
alpha-BHC	775960.00	823700.00	0.01	6.15	20.00	AVRG
beta-BHC	300532.50	319000.00	0.01	6.14	20.00	AVRG
delta-BHC	689517.50	719350.00	0.01	4.33	20.00	AVRG
gamma-BHC (Lindane)	729192.50	767550.00	0.01	5.26	20.00	AVRG
4,4'-DDD	393457.50	391500.00	0.01	-0.50	20.00	AVRG
4,4'-DDE	523741.25	507350.00	0.01	-3.13	20.00	AVRG
4,4'-DDT	454781.25	433075.00	0.01	-4.77	20.00	AVRG
Dieldrin	515556.25	525775.00	0.01	1.98	20.00	AVRG
Endosulfan I	548162.50	539450.00	0.01	-1.59	20.00	AVRG
Endosulfan II	450326.25	452875.00	0.01	0.56	20.00	AVRG
Endosulfan sulfate	392055.00	387500.00	0.01	-1.16	20.00	AVRG
Endrin	463071.25	487175.00	0.01	5.20	20.00	AVRG
Endrin Aldehyde	348470.00	337500.00	0.01	-3.15	20.00	AVRG
Heptachlor	695465.00	724350.00	0.01	4.15	20.00	AVRG
Heptachlor Epoxide	593700.00	612050.00	0.01	3.09	20.00	AVRG
Methoxychlor	194359.00	185635.00	0.01	-4.49	20.00	AVRG
Endrin Ketone	457257.50	444400.00	0.01	-2.81	20.00	AVRG
gamma-Chlordane	594875.00	609600.00	0.01	2.48	20.00	AVRG
alpha-Chlordane	516712.50	525700.00	0.01	1.74	20.00	AVRG
Decachlorobiphenyl	408350.00	378050.00	0.01	-7.42	20.00	AVRG
Tetrachloro-m-Xylene	522757.50	556950.00	0.01	6.54	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Instrument ID: TRACEGC84 Calibration Date: 06/11/10 Time: 0511

Lab File ID: 417JSEQ-CCV4 Init. Calib. Date(s): 05/28/10 05/28/10

Init. Calib. Times: 1818 2014

GC Column: CLPEST2 ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	542192.50	564750.00	0.01	4.16	20.00	AVRG
beta-BHC	248610.00	258500.00	0.01	3.98	20.00	AVRG
alpha-BHC	607757.50	637000.00	0.01	4.81	20.00	AVRG
delta-BHC	551235.00	561000.00	0.01	1.77	20.00	AVRG
gamma-BHC (Lindane)	585542.50	613700.00	0.01	4.81	20.00	AVRG
4,4'-DDD	340626.25	341275.00	0.01	0.19	20.00	AVRG
4,4'-DDE	468602.50	480050.00	0.01	2.44	20.00	AVRG
4,4'-DDT	405928.75	381600.00	0.01	-5.99	20.00	AVRG
Dieldrin	461928.75	480200.00	0.01	3.96	20.00	AVRG
Endosulfan I	477982.50	492650.00	0.01	3.07	20.00	AVRG
Endosulfan II	404930.00	415500.00	0.01	2.61	20.00	AVRG
Endosulfan sulfate	366673.75	365900.00	0.01	-0.21	20.00	AVRG
Endrin	408648.75	441250.00	0.01	7.98	20.00	AVRG
Endrin Aldehyde	316985.00	314225.00	0.01	-0.87	20.00	AVRG
Heptachlor	579497.27	605100.00	0.01	4.42	20.00	AVRG
Heptachlor Epoxide	511912.50	529950.00	0.01	3.52	20.00	AVRG
Methoxychlor	182915.75	174595.00	0.01	-4.55	20.00	AVRG
Endrin Ketone	419518.75	407725.00	0.01	-2.81	20.00	AVRG
gamma-Chlordane	513150.00	533350.00	0.01	3.94	20.00	AVRG
alpha-Chlordane	446247.50	458900.00	0.01	2.84	20.00	AVRG
Decachlorobiphenyl	406697.50	380500.00	0.01	-6.44	20.00	AVRG
Tetrachloro-m-Xylene	416797.50	436100.00	0.01	4.63	20.00	AVRG

FORM VII PEST

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): _____ Date Analyzed :_____

Lab Sample ID (PIBLK): _____ Time Analyzed :_____

EPA Sample No.(PEM): PEMHA Date Analyzed :05/28/10

Lab Sample ID (PEM): 0E27012-PEM1 Time Analyzed :1749

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD				
4,4'-DDE	14.50	14.45	14.59	134
4,4'-DDT	16.42	16.35	16.49	13271
Endrin	15.68	15.61	15.74	10368
Endrin Aldehyde	17.07	17.00	17.14	184
Endrin Ketone	18.61	18.53	18.67	230

4,4'-DDT % breakdown (1): 1.000 Endrin % breakdown (1): 3.84

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): _____ Date Analyzed :_____

Lab Sample ID (PIBLK): _____ Time Analyzed :_____

EPA Sample No.(PEM): PEMHA Date Analyzed :05/28/10

Lab Sample ID (PEM): 0E27012-PEM1 Time Analyzed :1749

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	15.91	15.91	16.05	30
4,4'-DDE	14.73	14.66	14.80	94
4,4'-DDT	16.64	16.57	16.71	11744
Endrin	15.72	15.65	15.79	8924
Endrin Aldehyde	16.91	16.83	16.97	100
Endrin Ketone	18.63	18.56	18.70	174

4,4'-DDT % breakdown (1): 1.04 Endrin % breakdown (1): 2.98

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): PIBLKLQ Date Analyzed :06/08/10

Lab Sample ID (PIBLK): SEQ-CCB1 Time Analyzed :1335

EPA Sample No.(PEM): PEMLR Date Analyzed :06/08/10

Lab Sample ID (PEM): SEQ-PEM1 Time Analyzed :1433

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	15.53	15.48	15.62	179
4,4'-DDE	14.23	14.19	14.32	199
4,4'-DDT	16.13	16.08	16.22	14136
Endrin	15.37	15.33	15.47	10865
Endrin Aldehyde	16.76	16.71	16.86	521
Endrin Ketone	18.28	18.24	18.38	651

4,4'-DDT % breakdown (1): 2.60 Endrin % breakdown (1): 9.74

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): PIBLKLR Date Analyzed :06/08/10

Lab Sample ID (PIBLK): SEQ-CCB1 Time Analyzed :1335

EPA Sample No.(PEM): PEMLR Date Analyzed :06/08/10

Lab Sample ID (PEM): SEQ-PEM1 Time Analyzed :1433

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	15.74	15.67	15.81	142
4,4'-DDE	14.49	14.43	14.57	161
4,4'-DDT	16.39	16.33	16.47	12198
Endrin	15.46	15.40	15.54	9180
Endrin Aldehyde	16.65	16.59	16.73	408
Endrin Ketone	18.36	18.30	18.44	446

4,4'-DDT % breakdown (1): 2.42 Endrin % breakdown (1): 8.51

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): PIBLKLS Date Analyzed :06/08/10

Lab Sample ID (PIBLK): SEQ-CCB2 Time Analyzed :1922

EPA Sample No.(PEM): PEMLT Date Analyzed :06/08/10

Lab Sample ID (PEM): SEQ-PEM2 Time Analyzed :2020

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	15.52	15.48	15.62	228
4,4'-DDE	14.23	14.19	14.32	258
4,4'-DDT	16.13	16.08	16.22	13909
Endrin	15.37	15.33	15.47	11247
Endrin Aldehyde	16.76	16.71	16.86	329
Endrin Ketone	18.29	18.24	18.38	396

4,4'-DDT % breakdown (1): 3.38 Endrin % breakdown (1): 6.06

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): PIBLKLT Date Analyzed :06/08/10

Lab Sample ID (PIBLK): SEQ-CCB2 Time Analyzed :1922

EPA Sample No.(PEM): PEMLT Date Analyzed :06/08/10

Lab Sample ID (PEM): SEQ-PEM2 Time Analyzed :2020

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	15.73	15.67	15.81	153
4,4'-DDE	14.49	14.43	14.57	200
4,4'-DDT	16.40	16.33	16.47	12173
Endrin	15.46	15.40	15.54	9604
Endrin Aldehyde	16.64	16.59	16.73	208
Endrin Ketone	18.36	18.30	18.44	288

4,4'-DDT % breakdown (1): 2.82 Endrin % breakdown (1): 4.91

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): PIBLKLU Date Analyzed :06/09/10

Lab Sample ID (PIBLK): SEQ-CCB3 Time Analyzed :0109

EPA Sample No.(PEM): PEMLV Date Analyzed :06/09/10

Lab Sample ID (PEM): SEQ-PEM3 Time Analyzed :0207

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	15.53	15.48	15.62	655
4,4'-DDE	14.23	14.19	14.32	237
4,4'-DDT	16.13	16.08	16.22	13529
Endrin	15.37	15.33	15.47	11526
Endrin Aldehyde	16.76	16.71	16.86	232
Endrin Ketone	18.28	18.24	18.38	336

4,4'-DDT % breakdown (1): 6.18 Endrin % breakdown (1): 4.70

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): PIBLKLV Date Analyzed :06/09/10

Lab Sample ID (PIBLK): SEQ-CCB3 Time Analyzed :0109

EPA Sample No.(PEM): PEMLV Date Analyzed :06/09/10

Lab Sample ID (PEM): SEQ-PEM3 Time Analyzed :0207

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	15.74	15.67	15.81	187
4,4'-DDE	14.49	14.43	14.57	155
4,4'-DDT	16.40	16.33	16.47	11461
Endrin	15.46	15.40	15.54	9651
Endrin Aldehyde	16.65	16.59	16.73	194
Endrin Ketone	18.36	18.30	18.44	253

4,4'-DDT % breakdown (1): 2.90 Endrin % breakdown (1): 4.43

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): PIBLKLW Date Analyzed :06/09/10

Lab Sample ID (PIBLK): SEQ-CCB4 Time Analyzed :0558

EPA Sample No.(PEM): PEMLX Date Analyzed :06/09/10

Lab Sample ID (PEM): SEQ-PEM4 Time Analyzed :0656

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	15.53	15.48	15.62	269
4,4'-DDE	14.22	14.19	14.32	211
4,4'-DDT	16.12	16.08	16.22	13645
Endrin	15.37	15.33	15.47	11432
Endrin Aldehyde	16.75	16.71	16.86	251
Endrin Ketone	18.28	18.24	18.38	343

4,4'-DDT % breakdown (1): 3.40 Endrin % breakdown (1): 4.94

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): PIBLKLW Date Analyzed :06/09/10

Lab Sample ID (PIBLK): SEQ-CCB4 Time Analyzed :0558

EPA Sample No.(PEM): PEMLX Date Analyzed :06/09/10

Lab Sample ID (PEM): SEQ-PEM4 Time Analyzed :0656

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	15.73	15.67	15.81	206
4,4'-DDE	14.49	14.43	14.57	143
4,4'-DDT	16.39	16.33	16.47	11709
Endrin	15.46	15.40	15.54	9749
Endrin Aldehyde	16.64	16.59	16.73	208
Endrin Ketone	18.36	18.30	18.44	274

4,4'-DDT % breakdown (1): 2.89 Endrin % breakdown (1): 4.71

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): PIBLKME Date Analyzed :06/10/10

Lab Sample ID (PIBLK): SEQ-CCB3 Time Analyzed :2353

EPA Sample No.(PEM): PEMMF Date Analyzed :06/11/10

Lab Sample ID (PEM): SEQ-PEM3 Time Analyzed :0051

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	15.52	15.48	15.62	347
4,4'-DDE	14.22	14.19	14.32	228
4,4'-DDT	16.12	16.08	16.22	12629
Endrin	15.37	15.33	15.47	10930
Endrin Aldehyde	16.75	16.71	16.86	482
Endrin Ketone	18.28	18.24	18.38	250

4,4'-DDT % breakdown (1): 4.35 Endrin % breakdown (1): 6.28

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): PIBLKMF Date Analyzed :06/10/10

Lab Sample ID (PIBLK): SEQ-CCB3 Time Analyzed :2353

EPA Sample No.(PEM): PEMMF Date Analyzed :06/11/10

Lab Sample ID (PEM): SEQ-PEM3 Time Analyzed :0051

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	15.73	15.67	15.81	245
4,4'-DDE	14.49	14.43	14.57	165
4,4'-DDT	16.39	16.33	16.47	10812
Endrin	15.46	15.40	15.54	9358
Endrin Aldehyde	16.64	16.59	16.73	155
Endrin Ketone	18.36	18.30	18.44	203

4,4'-DDT % breakdown (1): 3.65 Endrin % breakdown (1): 3.68

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): PIBLKMG Date Analyzed :06/11/10

Lab Sample ID (PIBLK): SEQ-CCB4 Time Analyzed :0442

EPA Sample No.(PEM): PEMMH Date Analyzed :06/11/10

Lab Sample ID (PEM): SEQ-PEM4 Time Analyzed :0540

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	15.52	15.48	15.62	415
4,4'-DDE	14.22	14.19	14.32	227
4,4'-DDT	16.12	16.08	16.22	13223
Endrin	15.37	15.33	15.47	11532
Endrin Aldehyde	16.75	16.71	16.86	201
Endrin Ketone	18.28	18.24	18.38	312

4,4'-DDT % breakdown (1): 4.63 Endrin % breakdown (1): 4.26

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): PIBLKMH Date Analyzed :06/11/10

Lab Sample ID (PIBLK): SEQ-CCB4 Time Analyzed :0442

EPA Sample No.(PEM): PEMMH Date Analyzed :06/11/10

Lab Sample ID (PEM): SEQ-PEM4 Time Analyzed :0540

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	15.73	15.67	15.81	280
4,4'-DDE	14.49	14.43	14.57	187
4,4'-DDT	16.39	16.33	16.47	11450
Endrin	15.46	15.40	15.54	9928
Endrin Aldehyde	16.64	16.59	16.73	189
Endrin Ketone	18.36	18.30	18.44	253

4,4'-DDT % breakdown (1): 3.92 Endrin % breakdown (1): 4.26

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

c. Analytical Sequence (Form VIII)

For all GC columns, all instruments, in chronological order by GC column and instrument

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

Instrument ID: TRACEGC84

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
DCB: 20.70 TCX: 8.08

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01	PEMHA	0E27012-PEM1	05/28/10	1749	20.70	8.08
02	INDC1HA	0E27012-CAL1	05/28/10	1818	20.70	8.09
03	INDC2HA	0E27012-CAL2	05/28/10	1847	20.70	8.08
04	INDC3HA	0E27012-CAL3	05/28/10	1916	20.70	8.09
05	INDC4HA	0E27012-CAL4	05/28/10	1945	20.70	8.08
06	INDC5HA	0E27012-CAL5	05/28/10	2014	20.70	8.08
07	TOXAPH3HA	0E27012-ARC1	05/28/10	2043	20.71	8.08
08	CHLORO3HA	0E27012-ARC2	05/28/10	2111	20.71	8.08
09	PIBLKLQ	SEQ-CCB1	06/08/10	1335	20.38*	7.83*
10	INDC3LR	SEQ-CCV1	06/08/10	1404	20.39*	7.83*
11	PEMLR	SEQ-PEM1	06/08/10	1433	20.39*	7.83*
12	PBLKCT	0052601-BLK1	06/08/10	1502	20.38*	7.82*
13	SB73-9-10MS	0052601-MS1	06/08/10	1600	20.39*	7.82*
14	SB73-9-10MSD	0052601-MSD1	06/08/10	1628	20.38*	7.82*
15	SB73-9-10	1005157-01	06/08/10	1657	20.39*	7.83*
16	SS51-0-1	1005157-02	06/08/10	1726	20.39*	7.83*
17	SS51D-0-1	1005157-03	06/08/10	1755	20.39*	7.82*
18	SS90-0-1	1005157-04	06/08/10	1824	20.39*	7.83*
19	PIBLKLS	SEQ-CCB2	06/08/10	1922	20.38*	7.82*
20	INDC3LT	SEQ-CCV2	06/08/10	1951	20.38*	7.82*
21	PEMLT	SEQ-PEM2	06/08/10	2020	20.38*	7.82*
22	SB90-2-3	1005157-05	06/08/10	2049	20.38*	7.83*
23	SS70-0-1	1005157-06	06/08/10	2118	20.38*	7.82*
24	SB70-1-2	1005157-07	06/08/10	2147	20.38*	7.83*
25	SS69-0-1	1005157-08	06/08/10	2215	20.38*	7.82*
26	SB69-2-3	1005157-09	06/08/10	2244	20.38*	7.86*
27	SB64-1-2	1005157-10	06/08/10	2313	20.38*	7.84*
28	SB65-1-2	1005157-11	06/08/10	2342	20.38*	7.86*
29	SS64-0-1	1005157-12	06/09/10	0011	20.38*	7.85*
30	PIBLKLU	SEQ-CCB3	06/09/10	0109	20.38*	7.82*
31	INDC3LV	SEQ-CCV3	06/09/10	0138	20.39*	7.83*
32	PEMLV	SEQ-PEM3	06/09/10	0207	20.38*	7.82*

QC LIMITS
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

Instrument ID: TRACEGC84

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
DCB: 20.70 TCX: 8.08

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01	SS66-0-1	1005157-13	06/09/10	0235	20.38*	7.85*
02	SS65-0-1	1005157-14	06/09/10	0304	20.38*	7.86*
03	SS82-0-1	1005157-15	06/09/10	0333	20.38*	7.84*
04	SS82D-0-1	1005157-16	06/09/10	0402	20.38*	7.85*
05	SB82-2-3	1005157-17	06/09/10	0431	20.38*	7.83*
06	SB82D-2-3	1005157-18	06/09/10	0500	20.38*	7.83*
07	PIBLKLW	SEQ-CCB4	06/09/10	0558	20.38*	7.82*
08	INDC3LX	SEQ-CCV4	06/09/10	0627	20.38*	7.82*
09	PEMLX	SEQ-PEM4	06/09/10	0656	20.38*	7.82*
10	PIBLKME	SEQ-CCB3	06/10/10	2353	20.38*	7.82*
11	INDC3MF	SEQ-CCV3	06/11/10	0022	20.39*	7.82*
12	PEMMF	SEQ-PEM3	06/11/10	0051	20.39*	7.82*
13	PCTLCS	0052601-BS1	06/11/10	0120	20.39*	7.82*
14	SS51D-0-1DL	1005157-03RE	06/11/10	0149	20.39*	7.83*
15	SS90-0-1DL	1005157-04RE	06/11/10	0218	20.38*	7.82*
16	SS66-0-1DL	1005157-13RE	06/11/10	0246	20.39*	7.85*
17	SB82D-2-3DL	1005157-18RE	06/11/10	0315	20.38*	7.82*
18	PIBLKMG	SEQ-CCB4	06/11/10	0442	20.39*	7.82*
19	INDC3MH	SEQ-CCV4	06/11/10	0511	20.39*	7.82*
20	PEMMH	SEQ-PEM4	06/11/10	0540	20.39*	7.82*
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

QC LIMITS

DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

Instrument ID: TRACEGC84

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
DCB: 21.25 TCX: 7.89

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01	PEMHA	0E27012-PEM1	05/28/10	1749	21.25	7.89
02	INDC1HA	0E27012-CAL1	05/28/10	1818	21.25	7.89
03	INDC2HA	0E27012-CAL2	05/28/10	1847	21.25	7.89
04	INDC3HA	0E27012-CAL3	05/28/10	1916	21.25	7.89
05	INDC4HA	0E27012-CAL4	05/28/10	1945	21.25	7.89
06	INDC5HA	0E27012-CAL5	05/28/10	2014	21.25	7.89
07	TOXAPH3HA	0E27012-ARC1	05/28/10	2043	21.25	7.89
08	CHLORO3HA	0E27012-ARC2	05/28/10	2111	21.25	7.90
09	PIBLKLR	SEQ-CCB1	06/08/10	1335	20.96*	7.66*
10	INDC3LR	SEQ-CCV1	06/08/10	1404	20.96*	7.67*
11	PEMLR	SEQ-PEM1	06/08/10	1433	20.96*	7.66*
12	PBLKCT	0052601-BLK1	06/08/10	1502	20.96*	7.66*
13	SB73-9-10MS	0052601-MS1	06/08/10	1600	20.96*	7.66*
14	SB73-9-10MSD	0052601-MSD1	06/08/10	1628	20.96*	7.66*
15	SB73-9-10	1005157-01	06/08/10	1657	20.96*	7.66*
16	SS51-0-1	1005157-02	06/08/10	1726	20.96*	7.66*
17	SS51D-0-1	1005157-03	06/08/10	1755	20.96*	7.66*
18	SS90-0-1	1005157-04	06/08/10	1824	20.96*	7.67*
19	PIBLKLT	SEQ-CCB2	06/08/10	1922	20.96*	7.66*
20	INDC3LT	SEQ-CCV2	06/08/10	1951	20.96*	7.66*
21	PEMLT	SEQ-PEM2	06/08/10	2020	20.96*	7.67*
22	SB90-2-3	1005157-05	06/08/10	2049	20.96*	7.67*
23	SS70-0-1	1005157-06	06/08/10	2118	20.96*	7.67*
24	SB70-1-2	1005157-07	06/08/10	2147	20.96*	7.67*
25	SS69-0-1	1005157-08	06/08/10	2215	20.96*	7.67*
26	SB69-2-3	1005157-09	06/08/10	2244	20.96*	7.66*
27	SB64-1-2	1005157-10	06/08/10	2313	20.96*	7.66*
28	SB65-1-2	1005157-11	06/08/10	2342	20.96*	7.66*
29	SS64-0-1	1005157-12	06/09/10	0011	20.96*	7.67*
30	PIBLKLV	SEQ-CCB3	06/09/10	0109	20.96*	7.67*
31	INDC3LV	SEQ-CCV3	06/09/10	0138	20.96*	7.66*
32	PEMLV	SEQ-PEM3	06/09/10	0207	20.96*	7.67*

QC LIMITS
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

Instrument ID: TRACEGC84

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
DCB: 21.25 TCX: 7.89

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01	SS66-0-1	1005157-13	06/09/10	0235	20.96*	7.66*
02	SS65-0-1	1005157-14	06/09/10	0304	20.96*	7.66*
03	SS82-0-1	1005157-15	06/09/10	0333	20.96*	7.66*
04	SS82D-0-1	1005157-16	06/09/10	0402	20.96*	7.66*
05	SB82-2-3	1005157-17	06/09/10	0431	20.96*	7.67*
06	SB82D-2-3	1005157-18	06/09/10	0500	20.96*	7.66*
07	PIBLKLX	SEQ-CCB4	06/09/10	0558	20.96*	7.67*
08	INDC3LX	SEQ-CCV4	06/09/10	0627	20.96*	7.66*
09	PEMLX	SEQ-PEM4	06/09/10	0656	20.96*	7.66*
10	PIBLKMF	SEQ-CCB3	06/10/10	2353	20.96*	7.66*
11	INDC3MF	SEQ-CCV3	06/11/10	0022	20.96*	7.66*
12	PEMMF	SEQ-PEM3	06/11/10	0051	20.96*	7.66*
13	PCTLCS	0052601-BS1	06/11/10	0120	20.96*	7.66*
14	SS51D-0-1DL	1005157-03RE	06/11/10	0149	20.96*	7.66*
15	SS90-0-1DL	1005157-04RE	06/11/10	0218	20.96*	7.66*
16	SS66-0-1DL	1005157-13RE	06/11/10	0246	20.96*	7.66*
17	SB82D-2-3DL	1005157-18RE	06/11/10	0315	20.96*	7.66*
18	PIBLKMH	SEQ-CCB4	06/11/10	0442	20.96*	7.66*
19	INDC3MH	SEQ-CCV4	06/11/10	0511	20.96*	7.66*
20	PEMMH	SEQ-PEM4	06/11/10	0540	20.96*	7.66*
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

QC LIMITS

DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

d. Identification Summary for Single Component Analytes (Form X)

For all samples with positively identified single component analytes, in order by increasing Client Sample ID number.

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PBLKCT

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab Sample ID: 0052601-BLK1 Date(s) Analyzed: 06/08/10 06/08/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
alpha-BHC	1	9.42	9.29	9.43	1.2	
	2	9.30	9.26	9.40	0.22	138.0
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PCTLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab Sample ID: 0052601-BS1 Date(s) Analyzed: 06/11/10 06/11/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Aldrin	1	12.05	12.01	12.15	4.3	
	2	12.03	11.97	12.11	4.4	2.3
beta-BHC	1	10.39	10.34	10.48	4.3	
	2	10.46	10.40	10.54	4.6	6.7
alpha-BHC	1	9.33	9.29	9.43	4.8	
	2	9.31	9.26	9.40	5.2	8.0
delta-BHC	1	10.82	10.77	10.91	5.5	
	2	11.16	11.11	11.24	5.4	1.8
gamma-BHC (Lindane)	1	10.15	10.11	10.25	4.5	
	2	10.22	10.16	10.30	4.6	2.2
4,4'-DDD	1	15.52	15.48	15.62	12	
	2	15.73	15.67	15.81	13	8.0
4,4'-DDE	1	14.23	14.19	14.32	12	
	2	14.49	14.43	14.57	12	0.0
4,4'-DDT	1	16.12	16.08	16.22	11	
	2	16.39	16.33	16.47	12	8.7

FORM X PEST-1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PCTLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab Sample ID: 0052601-BS1 Date(s) Analyzed: 06/11/10 06/11/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	14.86	14.82	14.96	13	
	2	14.81	14.75	14.89	13	0.0
Endosulfan I	1	14.33	14.29	14.44	4.7	
	2	14.21	14.15	14.29	4.6	2.2
Endosulfan II	1	15.85	15.81	15.95	12	
	2	15.92	15.86	16.00	12	0.0
Endosulfan sulfate	1	17.68	17.64	17.79	12	
	2	17.23	17.17	17.31	12	0.0
Endrin	1	15.37	15.33	15.47	12	
	2	15.46	15.40	15.54	13	8.0
Endrin Aldehyde	1	16.75	16.71	16.86	5.3	
	2	16.64	16.59	16.73	5.5	3.7
Heptachlor	1	11.34	11.29	11.44	5.3	
	2	11.28	11.22	11.36	5.4	1.9
Heptachlor Epoxide	1	13.46	13.42	13.56	5.2	
	2	13.35	13.29	13.43	5.4	3.8

FORM X PEST-1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PCTLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab Sample ID: 0052601-BS1 Date(s) Analyzed: 06/11/10 06/11/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Methoxychlor	1	17.15	17.11	17.25	14	
	2	17.85	17.79	17.93	13	7.4
Endrin Ketone	1	18.28	18.24	18.38	13	
	2	18.36	18.30	18.44	13	0.0
gamma-Chlordane	1	13.74	13.70	13.84	4.8	
	2	13.77	13.71	13.85	5.4	11.8
alpha-Chlordane	1	14.04	14.00	14.14	5.9	
	2	14.09	14.04	14.18	5.6	5.2
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB65-1-2

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab Sample ID: 1005157-11 Date(s) Analyzed: 06/08/10 06/08/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
beta-BHC	1	10.36	10.34	10.48	1.2	
	2	10.51	10.40	10.54	8.9	152.5
Endrin Aldehyde	1	16.82	16.71	16.86	3.2	
	2	16.62	16.59	16.73	0.62	135.1
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB69-2-3

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab Sample ID: 1005157-09 Date(s) Analyzed: 06/08/10 06/08/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
delta-BHC	1	10.84	10.77	10.91	0.30	
	2	11.16	11.11	11.24	0.20	40.0
gamma-BHC (Lindane)	1	10.21	10.11	10.25	0.35	
	2	10.19	10.16	10.30	0.82	80.3
Heptachlor	1	11.39	11.29	11.44	1.1	
	2	11.26	11.22	11.36	0.50	75.0
Heptachlor Epoxide	1	13.51	13.42	13.56	0.37	
	2	13.35	13.29	13.43	0.26	34.9
Endrin Ketone	1	18.35	18.24	18.38	0.79	
	2	18.42	18.30	18.44	2.5	104.0
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB70-1-2

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab Sample ID: 1005157-07 Date(s) Analyzed: 06/08/10 06/08/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
beta-BHC	1	10.40	10.34	10.48	0.89	
	2	10.50	10.40	10.54	0.93	4.4
Endrin Ketone	1	18.35	18.24	18.38	0.53	
	2	18.42	18.30	18.44	0.41	25.5
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

page 1 of 1

FORM X PEST-1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB82-2-3

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab Sample ID: 1005157-17 Date(s) Analyzed: 06/09/10 06/09/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Heptachlor	1	11.39	11.29	11.44	0.93	
	2	11.27	11.22	11.36	0.34	92.9
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

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FORM X PEST-1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB82D-2-3

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab Sample ID: 1005157-18 Date(s) Analyzed: 06/09/10 06/09/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
beta-BHC	1	10.46	10.34	10.48	58	
	2	10.45	10.40	10.54	0.44	197.0
4,4'-DDT	1	16.12	16.08	16.22	1.8	
	2	16.39	16.33	16.47	0.81	75.9
Heptachlor	1	11.38	11.29	11.44	0.49	
	2	11.26	11.22	11.36	0.36	30.6
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB90-2-3

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab Sample ID: 1005157-05 Date(s) Analyzed: 06/08/10 06/08/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Heptachlor	1	11.39	11.29	11.44	0.51	
	2	11.27	11.22	11.36	0.27	61.5
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS51-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab Sample ID: 1005157-02 Date(s) Analyzed: 06/08/10 06/08/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Aldrin	1	12.11	12.01	12.15	1.0	
	2	12.03	11.97	12.11	0.31	105.3
beta-BHC	1	10.36	10.34	10.48	1.3	
	2	10.50	10.40	10.54	6.0	128.8
4,4'-DDD	1	15.52	15.48	15.62	8.7	
	2	15.73	15.67	15.81	10	13.9
4,4'-DDE	1	14.23	14.19	14.32	28	
	2	14.49	14.43	14.57	34	19.4
4,4'-DDT	1	16.13	16.08	16.22	7.8	
	2	16.39	16.33	16.47	8.7	10.9
Endosulfan I	1	14.42	14.29	14.44	1.4	
	2	14.20	14.15	14.29	1.3	7.4
Endosulfan II	1	15.94	15.81	15.95	0.93	
	2	15.94	15.86	16.00	1.3	33.2
Endosulfan sulfate	1	17.77	17.64	17.79	7.2	
	2	17.24	17.17	17.31	0.79	160.4

FORM X PEST-1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS51-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab Sample ID: 1005157-02 Date(s) Analyzed: 06/08/10 06/08/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Endrin	1	15.43	15.33	15.47	7.6	
	2	15.50	15.40	15.54	0.72	165.4
Endrin Aldehyde	1	16.78	16.71	16.86	1.00	
	2	16.71	16.59	16.73	1.00	0.0
Heptachlor Epoxide	1	13.48	13.42	13.56	2.9	
	2	13.32	13.29	13.43	1.6	57.8
Endrin Ketone	1	18.36	18.24	18.38	3.2	
	2	18.42	18.30	18.44	2.2	37.0
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS51D-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab Sample ID: 1005157-03 Date(s) Analyzed: 06/08/10 06/08/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Aldrin	1	12.11	12.01	12.15	2.1	
	2	12.03	11.97	12.11	1.5	33.3
beta-BHC	1	10.37	10.34	10.48	0.63	
	2	10.50	10.40	10.54	4.6	151.8
alpha-BHC	1	9.30	9.29	9.43	0.35	
	2	9.31	9.26	9.40	0.65	60.0
4,4'-DDD	1	15.53	15.48	15.62	34	
	2	15.73	15.67	15.81	39	13.7
4,4'-DDE	1	14.23	14.19	14.32	57	
	2	14.49	14.43	14.57	62	8.4
4,4'-DDT	1	16.13	16.08	16.22	7.5	
	2	16.39	16.33	16.47	10	28.6
Dieldrin	1	14.87	14.82	14.96	3.1	
	2	14.80	14.75	14.89	3.4	9.2
Endrin Aldehyde	1	16.83	16.71	16.86	1.2	
	2	16.61	16.59	16.73	0.79	41.2

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS51D-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab Sample ID: 1005157-03 Date(s) Analyzed: 06/08/10 06/08/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Heptachlor	1	11.39	11.29	11.44	2.3	
	2	11.26	11.22	11.36	1.0	78.8
Heptachlor Epoxide	1	13.47	13.42	13.56	6.4	
	2	13.37	13.29	13.43	1.2	136.8
gamma-Chlordane	1	13.75	13.70	13.84	0.36	
	2	13.80	13.71	13.85	5.3	174.6
alpha-Chlordane	1	14.10	14.00	14.14	2.1	
	2	14.07	14.04	14.18	0.29	151.5
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS51D-0-1DL

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab Sample ID: 1005157-03RE1 Date(s) Analyzed: 06/11/10 06/11/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
4,4'-DDD	1	15.52	15.48	15.62	37	
	2	15.73	15.67	15.81	37	0.0
4,4'-DDE	1	14.23	14.19	14.32	58	
	2	14.49	14.43	14.57	64	9.8
4,4'-DDT	1	16.12	16.08	16.22	9.6	
	2	16.40	16.33	16.47	9.7	1.0
Dieldrin	1	14.86	14.82	14.96	3.7	
	2	14.80	14.75	14.89	5.1	31.8
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS64-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab Sample ID: 1005157-12 Date(s) Analyzed: 06/09/10 06/09/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Endosulfan sulfate	1	17.74	17.64	17.79	0.47	
	2	17.27	17.17	17.31	0.52	10.1
Endrin	1	15.37	15.33	15.47	1.8	
	2	15.41	15.40	15.54	2.7	40.0
Endrin Ketone	1	18.36	18.24	18.38	0.44	
	2	18.42	18.30	18.44	2.2	133.3
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS65-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab Sample ID: 1005157-14 Date(s) Analyzed: 06/09/10 06/09/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
beta-BHC	1	10.35	10.34	10.48	0.80	
	2	10.50	10.40	10.54	20	184.6
Endrin Aldehyde	1	16.81	16.71	16.86	2.9	
	2	16.63	16.59	16.73	1.1	90.0
Heptachlor	1	11.36	11.29	11.44	0.58	
	2	11.26	11.22	11.36	0.45	25.2
alpha-Chlordane	1	14.06	14.00	14.14	0.66	
	2	14.08	14.04	14.18	0.20	107.0
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS66-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab Sample ID: 1005157-13 Date(s) Analyzed: 06/09/10 06/09/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
beta-BHC	1	10.47	10.34	10.48	31	
	2	10.50	10.40	10.54	12	88.4
delta-BHC	1	10.83	10.77	10.91	0.82	
	2	11.16	11.11	11.24	0.34	82.8
Heptachlor	1	11.39	11.29	11.44	3.8	
	2	11.26	11.22	11.36	1.3	98.0
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS66-0-1DL

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab Sample ID: 1005157-13RE1 Date(s) Analyzed: 06/11/10 06/11/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
beta-BHC	1	10.47	10.34	10.48	34	
	2	10.50	10.40	10.54	12	95.6
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS69-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab Sample ID: 1005157-08 Date(s) Analyzed: 06/08/10 06/08/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Aldrin	1	12.11	12.01	12.15	0.54	
	2	12.06	11.97	12.11	0.24	76.9
alpha-BHC	1	9.33	9.29	9.43	0.67	
	2	9.26	9.26	9.40	1.4	70.5
delta-BHC	1	10.84	10.77	10.91	0.87	
	2	11.15	11.11	11.24	0.33	90.0
gamma-BHC (Lindane)	1	10.16	10.11	10.25	0.65	
	2	10.19	10.16	10.30	0.58	11.4
Endosulfan sulfate	1	17.73	17.64	17.79	3.8	
	2	17.26	17.17	17.31	1.8	71.4
Endrin Aldehyde	1	16.83	16.71	16.86	0.89	
	2	16.67	16.59	16.73	0.53	50.7
Heptachlor Epoxide	1	13.49	13.42	13.56	0.65	
	2	13.43	13.29	13.43	0.25	88.9
gamma-Chlordane	1	13.79	13.70	13.84	0.49	
	2	13.81	13.71	13.85	5.1	164.9

FORM X PEST-1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS70-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab Sample ID: 1005157-06 Date(s) Analyzed: 06/08/10 06/08/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
beta-BHC	1	10.41	10.34	10.48	1.1	
	2	10.51	10.40	10.54	1.3	16.7
Heptachlor	1	11.38	11.29	11.44	0.28	
	2	11.27	11.22	11.36	0.25	11.3
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB73-9-10

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab Sample ID: 1005157-01 Date(s) Analyzed: 06/08/10 06/08/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
delta-BHC	1	10.83	10.77	10.91	0.36	
	2	11.16	11.11	11.24	0.25	36.1
Heptachlor	1	11.36	11.29	11.44	0.40	
	2	11.29	11.22	11.36	0.22	58.1
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB73-9-10MS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab Sample ID: 0052601-MS1 Date(s) Analyzed: 06/08/10 06/08/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Aldrin	1	12.05	12.01	12.15	5.2	
	2	12.03	11.97	12.11	5.4	3.8
beta-BHC	1	10.39	10.34	10.48	6.1	
	2	10.47	10.40	10.54	7.4	19.2
alpha-BHC	1	9.33	9.29	9.43	6.3	
	2	9.31	9.26	9.40	6.4	1.6
delta-BHC	1	10.82	10.77	10.91	7.2	
	2	11.16	11.11	11.24	7.2	0.0
gamma-BHC (Lindane)	1	10.15	10.11	10.25	5.7	
	2	10.22	10.16	10.30	6.2	8.4
4,4'-DDD	1	15.53	15.48	15.62	17	
	2	15.73	15.67	15.81	18	5.7
4,4'-DDE	1	14.23	14.19	14.32	16	
	2	14.49	14.43	14.57	16	0.0
4,4'-DDT	1	16.13	16.08	16.22	15	
	2	16.39	16.33	16.47	15	0.0

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB73-9-10MS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab Sample ID: 0052601-MS1 Date(s) Analyzed: 06/08/10 06/08/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	14.87	14.82	14.96	17	
	2	14.81	14.75	14.89	18	5.7
Endosulfan I	1	14.34	14.29	14.44	5.9	
	2	14.21	14.15	14.29	6.0	1.7
Endosulfan II	1	15.86	15.81	15.95	16	
	2	15.92	15.86	16.00	17	6.1
Endosulfan sulfate	1	17.69	17.64	17.79	16	
	2	17.23	17.17	17.31	16	0.0
Endrin	1	15.37	15.33	15.47	16	
	2	15.46	15.40	15.54	17	6.1
Endrin Aldehyde	1	16.75	16.71	16.86	5.6	
	2	16.64	16.59	16.73	7.1	23.6
Heptachlor	1	11.34	11.29	11.44	7.1	
	2	11.28	11.22	11.36	7.1	0.0
Heptachlor Epoxide	1	13.46	13.42	13.56	6.7	
	2	13.35	13.29	13.43	7.1	5.8

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB73-9-10MS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab Sample ID: 0052601-MS1 Date(s) Analyzed: 06/08/10 06/08/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Methoxychlor	1	17.15	17.11	17.25	18	
	2	17.85	17.79	17.93	17	5.7
Endrin Ketone	1	18.29	18.24	18.38	18	
	2	18.36	18.30	18.44	18	0.0
gamma-Chlordane	1	13.74	13.70	13.84	6.1	
	2	13.77	13.71	13.85	7.8	24.5
alpha-Chlordane	1	14.04	14.00	14.14	7.8	
	2	14.09	14.04	14.18	7.3	6.6
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB73-9-10MSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab Sample ID: 0052601-MSD1 Date(s) Analyzed: 06/08/10 06/08/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Aldrin	1	12.05	12.01	12.15	3.9	
	2	12.03	11.97	12.11	3.9	0.0
beta-BHC	1	10.39	10.34	10.48	4.7	
	2	10.48	10.40	10.54	5.2	10.1
alpha-BHC	1	9.33	9.29	9.43	4.9	
	2	9.31	9.26	9.40	4.5	8.5
delta-BHC	1	10.82	10.77	10.91	5.3	
	2	11.16	11.11	11.24	5.2	1.9
gamma-BHC (Lindane)	1	10.15	10.11	10.25	4.2	
	2	10.22	10.16	10.30	4.6	9.1
4,4'-DDD	1	15.53	15.48	15.62	12	
	2	15.73	15.67	15.81	13	8.0
4,4'-DDE	1	14.23	14.19	14.32	11	
	2	14.49	14.43	14.57	12	8.7
4,4'-DDT	1	16.13	16.08	16.22	11	
	2	16.39	16.33	16.47	11	0.0

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB73-9-10MSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab Sample ID: 0052601-MSD1 Date(s) Analyzed: 06/08/10 06/08/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	14.87	14.82	14.96	11	
	2	14.80	14.75	14.89	12	8.7
Endosulfan I	1	14.34	14.29	14.44	4.2	
	2	14.21	14.15	14.29	4.3	2.4
Endosulfan II	1	15.86	15.81	15.95	12	
	2	15.92	15.86	16.00	12	0.0
Endosulfan sulfate	1	17.69	17.64	17.79	12	
	2	17.23	17.17	17.31	11	8.7
Endrin	1	15.37	15.33	15.47	11	
	2	15.46	15.40	15.54	13	16.7
Endrin Aldehyde	1	16.75	16.71	16.86	4.2	
	2	16.64	16.59	16.73	5.0	17.4
Heptachlor	1	11.34	11.29	11.44	5.5	
	2	11.28	11.22	11.36	5.2	5.6
Heptachlor Epoxide	1	13.46	13.42	13.56	5.0	
	2	13.35	13.29	13.43	5.0	0.0

FORM X PEST-1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB73-9-10MSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab Sample ID: 0052601-MSD1 Date(s) Analyzed: 06/08/10 06/08/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Methoxychlor	1	17.15	17.11	17.25	13	
	2	17.85	17.79	17.93	11	16.7
Endrin Ketone	1	18.29	18.24	18.38	13	
	2	18.36	18.30	18.44	13	0.0
gamma-Chlordane	1	13.74	13.70	13.84	4.3	
	2	13.77	13.71	13.85	5.7	28.0
alpha-Chlordane	1	14.04	14.00	14.14	6.2	
	2	14.09	14.04	14.18	5.2	17.5
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS82-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab Sample ID: 1005157-15 Date(s) Analyzed: 06/09/10 06/09/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
beta-BHC	1	10.40	10.34	10.48	1.5	
	2	10.50	10.40	10.54	9.5	145.4
gamma-BHC (Lindane)	1	10.20	10.11	10.25	0.32	
	2	10.17	10.16	10.30	0.43	29.3
4,4'-DDE	1	14.22	14.19	14.32	0.76	
	2	14.49	14.43	14.57	0.93	20.1
4,4'-DDT	1	16.12	16.08	16.22	1.4	
	2	16.39	16.33	16.47	0.67	70.5
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS82D-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab Sample ID: 1005157-16 Date(s) Analyzed: 06/09/10 06/09/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
beta-BHC	1	10.36	10.34	10.48	0.62	
	2	10.51	10.40	10.54	11	178.6
4,4'-DDE	1	14.23	14.19	14.32	0.74	
	2	14.49	14.43	14.57	1.0	29.9
4,4'-DDT	1	16.12	16.08	16.22	0.89	
	2	16.39	16.33	16.47	1.00	11.6
Endrin Aldehyde	1	16.83	16.71	16.86	2.4	
	2	16.63	16.59	16.73	0.47	134.5
gamma-Chlordane	1	13.80	13.70	13.84	0.31	
	2	13.82	13.71	13.85	2.3	152.5
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS90-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab Sample ID: 1005157-04 Date(s) Analyzed: 06/08/10 06/08/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	14.83	14.82	14.96	36	
	2	14.75	14.75	14.89	0.40	195.6
Endosulfan II	1	15.92	15.81	15.95	20	
	2	15.93	15.86	16.00	20	0.0
Endosulfan sulfate	1	17.73	17.64	17.79	1.4	
	2	17.27	17.17	17.31	0.61	78.6
Endrin	1	15.43	15.33	15.47	8.1	
	2	15.50	15.40	15.54	1.1	152.2
gamma-Chlordane	1	13.78	13.70	13.84	9.3	
	2	13.82	13.71	13.85	1.9	132.1
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS90-0-1DL

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab Sample ID: 1005157-04RE1 Date(s) Analyzed: 06/11/10 06/11/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Endosulfan II	1	15.91	15.81	15.95	22	
	2	15.92	15.86	16.00	21	4.6
gamma-Chlordane	1	13.78	13.70	13.84	8.6	
	2	13.82	13.71	13.85	1.3	147.5
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

e. Identification Summary for Multicomponent Analytes (Form X) – if applicable

For all samples with positively identified multicomponent analytes, in order by increasing Client Sample ID number.

f. Chromatograms and Data System Printouts

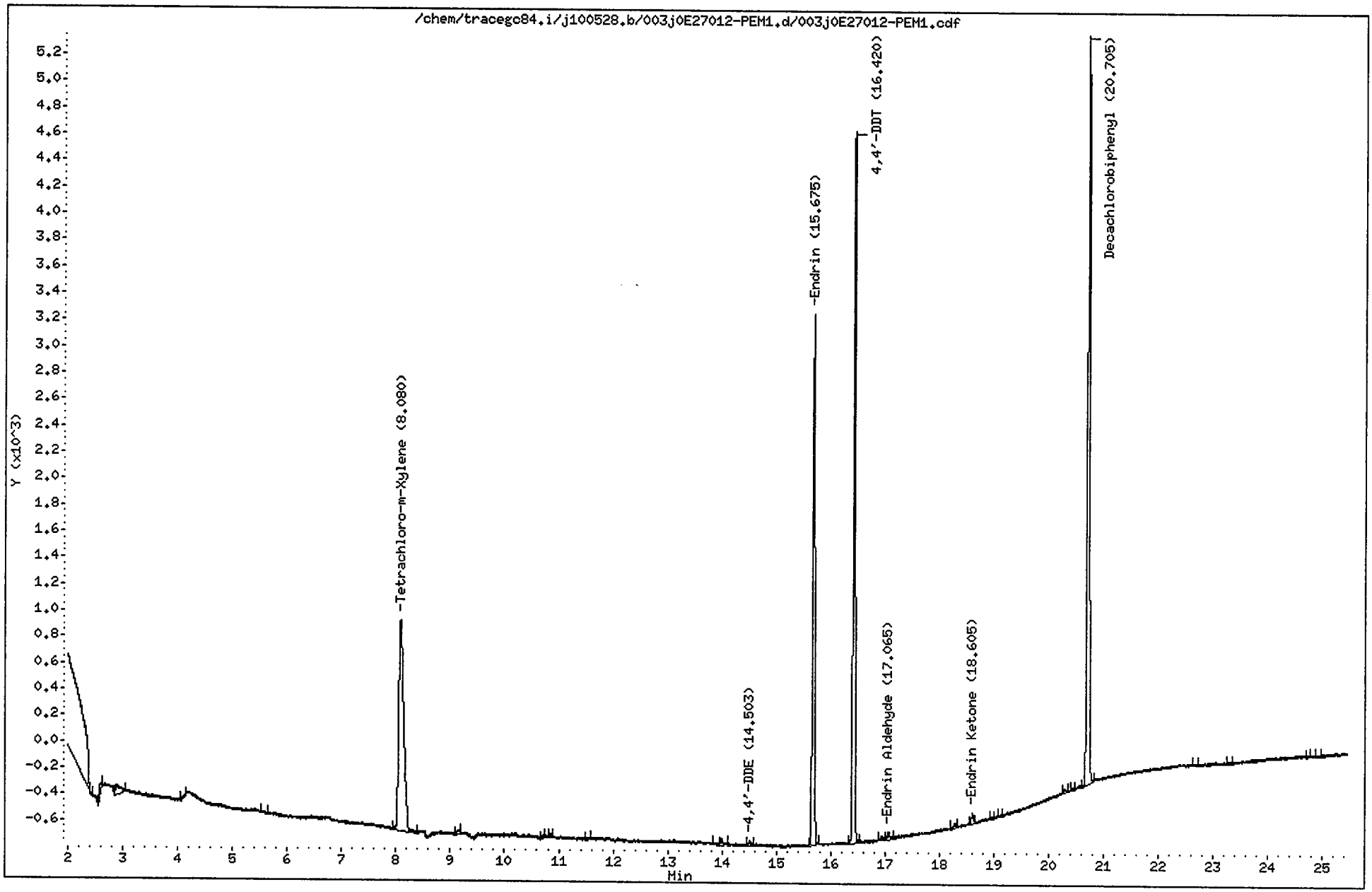
For all methods, standards packages shall include
The following:

- Performance evaluation mixtures (8081 only)
- Initial Calibration Standards
- Second Source Initial Calibration Verifications (if required by client)
- Continuing Calibration Verification Standards
- The quantitation report must include the Client Sample ID number.
- The chromatograms shall include the following: Client Sample ID number for the standard, labeled standard peaks, volume injected, for each standard, date and time of injection, GC column identifier, and GC Instrument identifier

Data File: /chem/tracegc84.i/j100528.b/003j0E27012-PEM1.d
Date : 28-MAY-2010 17:49
Client ID: PEMHA
Sample Info: 0E27012-PEM1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i

Operator: System
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-PEM1 Client Smp Id : PEMHA
Sample Type : SAMPLE Sublist : PEM
Inj Date : 28-MAY-2010 17:49 Inst ID : TRACEGC84
Operator : System
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : PEMHA

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
0.11			65								
0.33			59								
1.05			137								
1.31			67								
1.36			100								
1.55			63736								
2.60			274								
2.90			403								
4.13			50								
5.53			93								
8.08	8.01	8.15	10252	522758	Tetrachloro-m-Xylene	0.019611	0.019611		99.0	43 - 135	
9.13			89								
10.70			75								
10.85			89								
11.50			43								
13.86			56								
13.99			161								
14.50	14.45	14.59	135	523741	4,4'-DDE	0.000257	0.000257	0.020000			J
15.68	15.61	15.75	10368	463071	Endrin	0.022390	0.022390	0.020000			
16.42	16.35	16.49	13272	454781	4,4'-DDT	0.029183	0.029183	0.020000			
16.94			119								
17.06	17.00	17.14	184	348470	Endrin Aldehyde	0.000528	0.000528	0.020000			J
18.28			112								
18.60	18.53	18.67	230	457258	Endrin Ketone	0.000504	0.000504	0.020000			J
18.97			61								
19.13			49								
20.30			63								
20.46			58								
20.70	20.63	20.77	15710	408350	Decachlorobiphenyl	0.038473	0.038473		97.2	43 - 144	
22.67			44								
23.25			56								
24.69			43								
24.89			42								

AHW
6/1/10

Data File: /chem/tracegc84.i/j100528.b/004j0E27012-CAL1.d

Date : 28-MAY-2010 18:18

Client ID: INDC1HA

Instrument: tracegc84.i

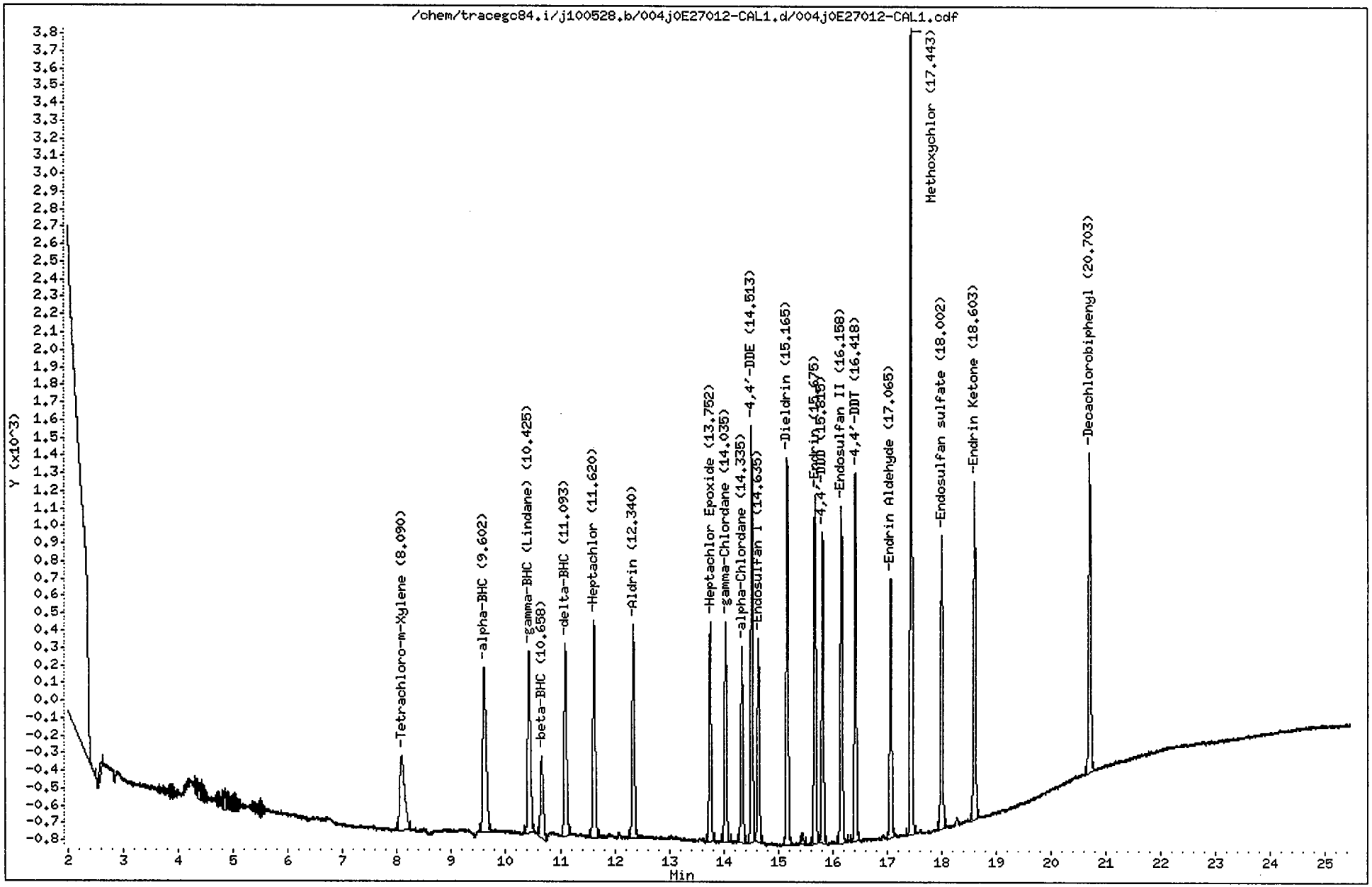
Sample Info: 0E27012-CAL1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: olpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL1 Client Smp Id : INDC1HA
Sample Type : INITIAL CAL: Level 1 Sublist : INDA
Inj Date : 28-MAY-2010 18:18 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : INDC1HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.57			247819					
2.59			171					
4.35			169					
4.84			233					
4.99			134					
8.09	8.01	8.15	2689	522758	Tetrachloro-m-Xylene	0.005000	537800	
9.60	9.53	9.67	3994	775960	alpha-BHC	0.005000	798600	
10.42	10.36	10.50	3775	729192	gamma-BHC (Lindane)	0.005000	754800	
10.66	10.59	10.73	1672	300532	beta-BHC	0.005000	334400	
11.09	11.02	11.16	3527	689518	delta-BHC	0.005000	705200	
11.62	11.55	11.69	3800	695465	Heptachlor	0.005000	759800	
12.34	12.27	12.41	3446	636570	Aldrin	0.005000	689000	
13.75	13.68	13.82	3254	593700	Heptachlor Epoxide	0.005000	650600	
14.04	13.97	14.11	3261	594875	gamma-Chlordane	0.005000	652000	
14.34	14.27	14.41	2846	516712	alpha-Chlordane	0.005000	569000	
14.51	14.45	14.59	5739	523741	4,4'-DDE	0.010000	573800	
14.64	14.57	14.71	2972	548162	Endosulfan I	0.005000	594200	
15.16	15.10	15.24	5623	515556	Dieldrin	0.010000	562300	
15.44			156					
15.68	15.61	15.75	5113	463071	Endrin	0.010000	511200	
15.82	15.74	15.88	4223	393458	4,4'-DDD	0.010000	422300	
16.16	16.09	16.23	4967	450326	Endosulfan II	0.010000	496600	
16.42	16.35	16.49	5039	454781	4,4'-DDT	0.010000	503900	
17.06	17.00	17.14	3776	348470	Endrin Aldehyde	0.010000	377500	
17.44	17.37	17.51	11132	194359	Methoxychlor	0.050000	222640	
18.00	17.93	18.07	4327	392055	Endosulfan sulfate	0.010000	432700	
18.60	18.53	18.67	4972	457258	Endrin Ketone	0.010000	497200	
20.70	20.63	20.77	4821	408350	Decachlorobiphenyl	0.010000	482100	

AHW
6/1/10

Data File: /chem/tracegc84.i/j100528.b/005j0E27012-CAL2.d

Date : 28-MAY-2010 18:47

Client ID: INDC2HA

Sample Info: 0E27012-CAL2

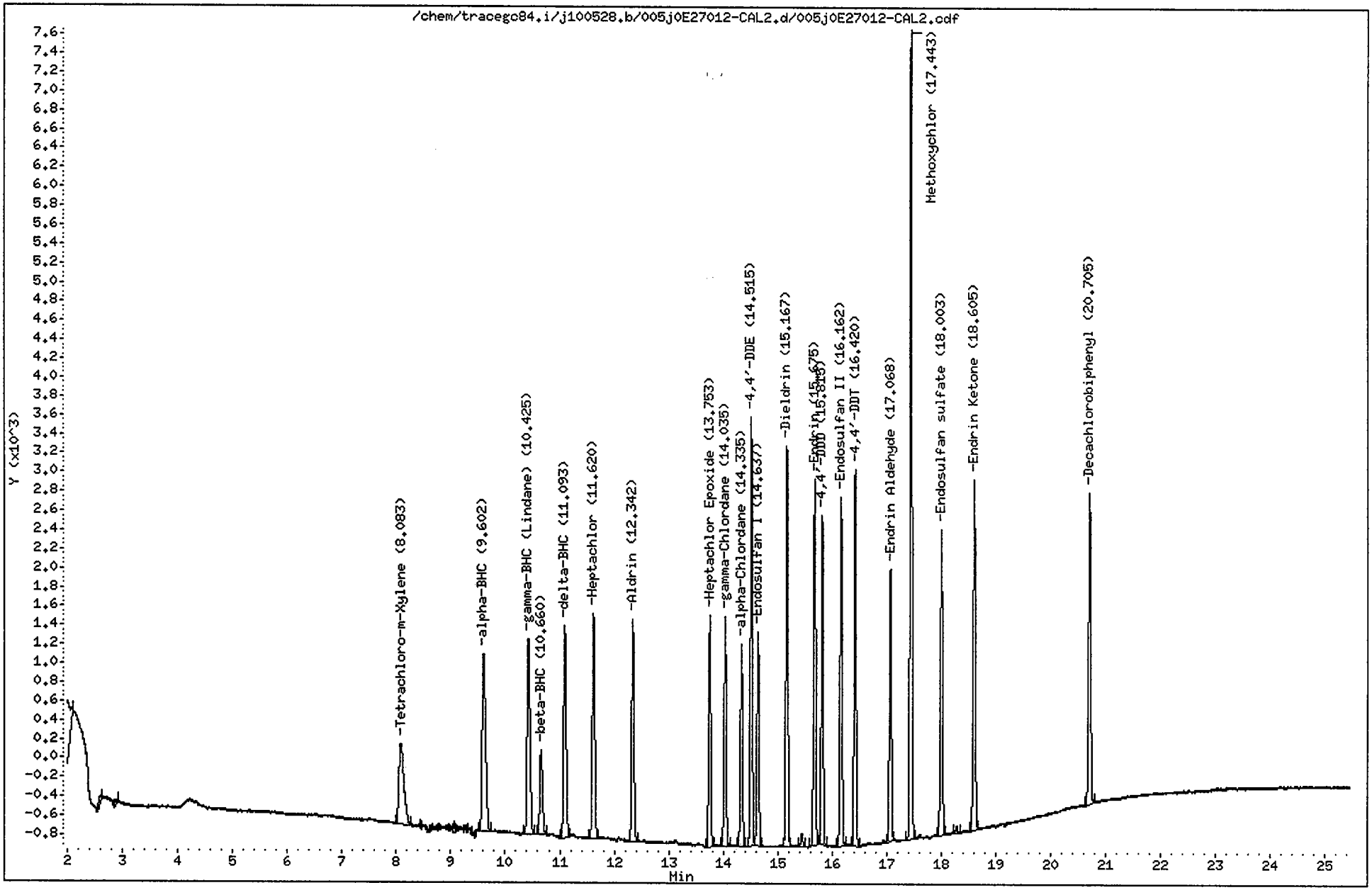
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL2 Client Smp Id : INDC2HA
Sample Type : INITIAL CAL: Level 2 Sublist : INDA
Inj Date : 28-MAY-2010 18:47 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : INDC2HA

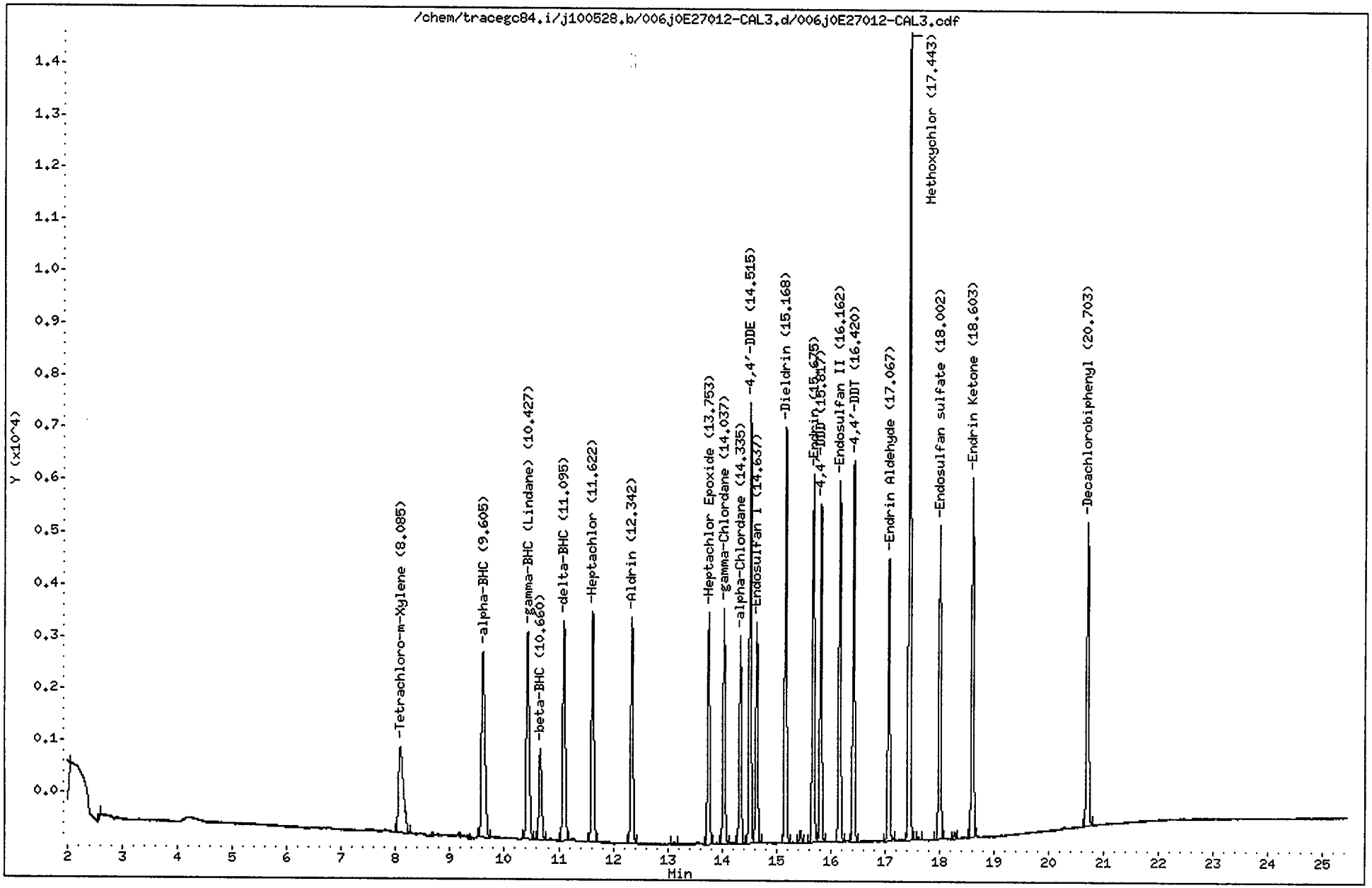
RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
0.81			199					
0.93			168					
1.03			181					
1.44			179					
1.55			31882					
2.60			253					
2.87			126					
8.08	8.01	8.15	5457	522758	Tetrachloro-m-Xylene	0.010000	545600	
9.06			157					
9.60	9.53	9.67	7926	775960	alpha-BHC	0.010000	792600	
10.42	10.36	10.50	7455	729192	gamma-BHC (Lindane)	0.010000	745400	
10.66	10.59	10.73	2974	300532	beta-BHC	0.010000	297400	
11.09	11.02	11.16	7074	689518	delta-BHC	0.010000	707400	
11.62	11.55	11.69	7311	695465	Heptachlor	0.010000	731000	
12.34	12.27	12.41	6679	636570	Aldrin	0.010000	667800	
13.75	13.68	13.82	6330	593700	Heptachlor Epoxide	0.010000	633000	
14.04	13.97	14.11	6341	594875	gamma-Chlordane	0.010000	634000	
14.34	14.27	14.41	5427	516712	alpha-Chlordane	0.010000	542600	
14.52	14.45	14.59	10936	523741	4,4'-DDE	0.020000	546750	
14.64	14.57	14.71	5709	548162	Endosulfan I	0.010000	570900	
15.17	15.10	15.24	10763	515556	Dieldrin	0.020000	538100	
15.45			319					
15.68	15.61	15.75	9723	463071	Endrin	0.020000	486100	
15.82	15.74	15.88	8211	393458	4,4'-DDD	0.020000	410500	
16.16	16.09	16.23	9399	450326	Endosulfan II	0.020000	469900	
16.42	16.35	16.49	9582	454781	4,4'-DDT	0.020000	479100	
17.07	17.00	17.14	7281	348470	Endrin Aldehyde	0.020000	364050	
17.44	17.37	17.51	20823	194359	Methoxychlor	0.100000	208230	
18.00	17.93	18.07	8331	392055	Endosulfan sulfate	0.020000	416550	
18.29			176					
18.60	18.53	18.67	9658	457258	Endrin Ketone	0.020000	482900	
20.70	20.63	20.77	8934	408350	Decachlorobiphenyl	0.020000	446650	

AHW
6/1/10

Data File: /chem/tracegc84.i/j100528.b/006j0E27012-CAL3.d
Date : 28-MAY-2010 19:16
Client ID: INDC3HA
Sample Info: 0E27012-CAL3
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL3 Client Smp Id : INDC3HA
Sample Type : INITIAL CAL: Level 3 Sublist : INDA
Inj Date : 28-MAY-2010 19:16 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : INDC3HA

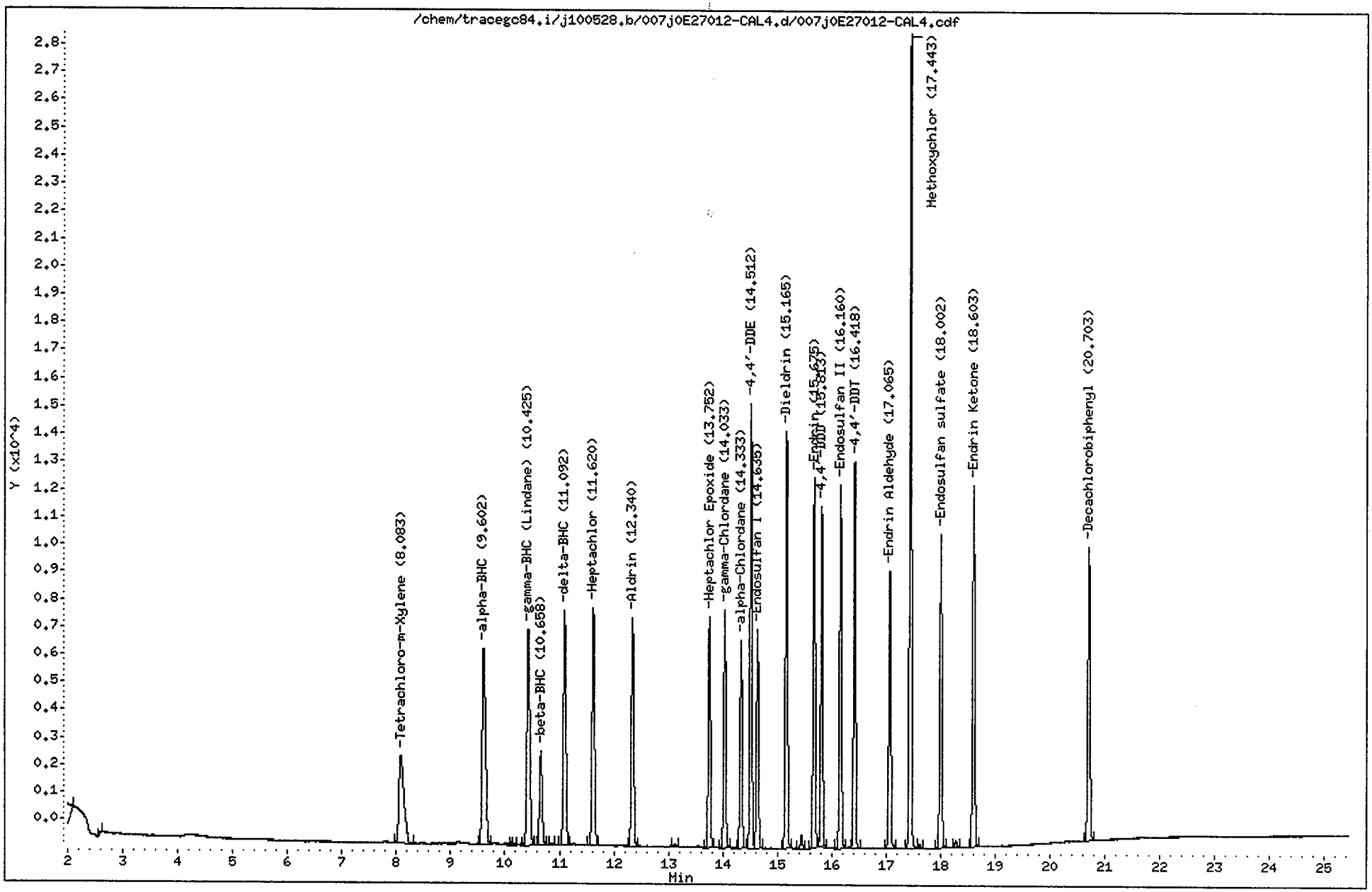
RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.56			33990					
2.59			125					
8.08	8.01	8.15	10365	522758	Tetrachloro-m-Xylene	0.020000	518200	
9.60	9.53	9.67	15388	775960	alpha-BHC	0.020000	769400	
10.43	10.36	10.50	14446	729192	gamma-BHC (Lindane)	0.020000	722300	
10.66	10.59	10.73	5933	300532	beta-BHC	0.020000	296600	
11.10	11.02	11.16	13673	689518	delta-BHC	0.020000	683650	
11.62	11.55	11.69	13777	695465	Heptachlor	0.020000	688850	
12.34	12.27	12.41	12658	636570	Aldrin	0.020000	632900	
13.12			154					
13.75	13.68	13.82	11837	593700	Heptachlor Epoxide	0.020000	591800	
14.04	13.97	14.11	11766	594875	gamma-Chlordane	0.020000	588300	
14.34	14.27	14.41	10311	516712	alpha-Chlordane	0.020000	515550	
14.52	14.45	14.59	20700	523741	4,4'-DDE	0.040000	517475	
14.64	14.57	14.71	11116	548162	Endosulfan I	0.020000	555750	
15.17	15.10	15.24	20326	515556	Dieldrin	0.040000	508150	
15.45			603					
15.68	15.61	15.75	18450	463071	Endrin	0.040000	461225	
15.82	15.74	15.88	15762	393458	4,4'-DDD	0.040000	394025	
16.16	16.09	16.23	17852	450326	Endosulfan II	0.040000	446300	
16.42	16.35	16.49	17876	454781	4,4'-DDT	0.040000	446900	
17.07	17.00	17.14	14218	348470	Endrin Aldehyde	0.040000	355425	
17.44	17.37	17.51	38110	194359	Methoxychlor	0.200000	190545	
17.62			164					
18.00	17.93	18.07	15567	392055	Endosulfan sulfate	0.040000	389175	
18.29			330					
18.60	18.53	18.67	18130	457258	Endrin Ketone	0.040000	453250	
20.70	20.63	20.77	16121	408350	Decachlorobiphenyl	0.040000	403000	

AHW
6/1/10

Data File: /chem/tracegc84.i/j100528.b/007j0E27012-CAL4.d
Date : 28-MAY-2010 19:45
Client ID: INDC4HA
Sample Info: 0E27012-CAL4
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL4 Client Smp Id : INDC4HA
Sample Type : INITIAL CAL: Level 4 Sublist : INDA
Inj Date : 28-MAY-2010 19:45 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : INDC4HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.55			32197					
2.61			220					
8.08	8.01	8.15	20531	522758	Tetrachloro-m-Xylene	0.040000	513275	
9.60	9.53	9.67	30485	775960	alpha-BHC	0.040000	762100	
10.11			174					
10.15			201					
10.34			121					
10.42	10.36	10.50	28750	729192	gamma-BHC (Lindane)	0.040000	718750	
10.66	10.59	10.73	11645	300532	beta-BHC	0.040000	291100	
10.85			124					
11.09	11.02	11.16	27123	689518	delta-BHC	0.040000	678075	
11.62	11.55	11.69	26443	695465	Heptachlor	0.040000	661075	
12.34	12.27	12.41	24318	636570	Aldrin	0.040000	607950	
13.12			296					
13.75	13.68	13.82	22398	593700	Heptachlor Epoxide	0.040000	559950	
14.03	13.97	14.11	22447	594875	gamma-Chlordane	0.040000	561150	
14.33	14.27	14.41	19587	516712	alpha-Chlordane	0.040000	489675	
14.51	14.45	14.59	39739	523741	4,4'-DDE	0.080000	496737	
14.64	14.57	14.71	20858	548162	Endosulfan I	0.040000	521425	
15.16	15.10	15.24	39182	515556	Dieldrin	0.080000	489763	
15.45			1192					
15.68	15.61	15.75	34803	463071	Endrin	0.080000	435025	
15.81	15.74	15.88	29940	393458	4,4'-DDD	0.080000	374237	
16.16	16.09	16.23	34119	450326	Endosulfan II	0.080000	426475	
16.32			140					
16.42	16.35	16.49	34226	454781	4,4'-DDT	0.080000	427813	
17.06	17.00	17.14	26427	348470	Endrin Aldehyde	0.080000	330325	
17.44	17.37	17.51	71762	194359	Methoxychlor	0.400000	179403	
17.62			370					
18.00	17.93	18.07	29487	392055	Endosulfan sulfate	0.080000	368575	
18.28			669					
18.60	18.53	18.67	34688	457258	Endrin Ketone	0.080000	433600	
20.70	20.63	20.77	29546	408350	Decachlorobiphenyl	0.080000	369313	

AHW
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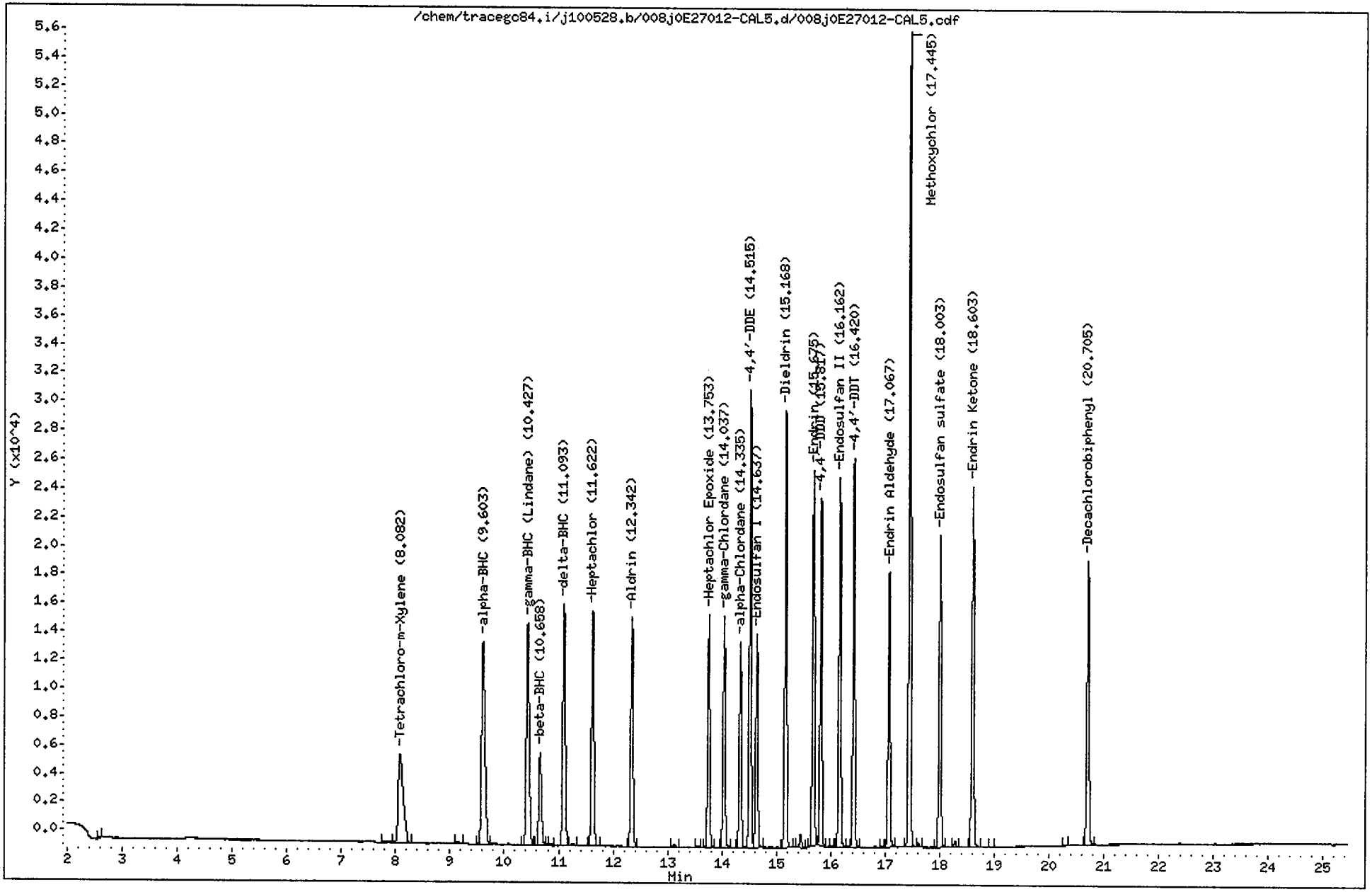
Data File: /chem/tracegc84.i/j100528.b/008j0E27012-CAL5.d
Date : 28-MAY-2010 20:14
Client ID: INDC5HA
Sample Info: 0E27012-CAL5
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL5 Client Smp Id : INDC5HA
Sample Type : INITIAL CAL: Level 5 Sublist : INDA
Inj Date : 28-MAY-2010 20:14 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : INDC5HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.55			3249					
2.61			128					
7.82			681					
8.08	8.01	8.15	39913	522758	Tetrachloro-m-Xylene	0.080000	498913	
9.14			506					
9.60	9.53	9.67	60568	775960	alpha-BHC	0.080000	757100	
10.43	10.36	10.50	56377	729192	gamma-BHC (Lindane)	0.080000	704713	
10.66	10.59	10.73	22653	300532	beta-BHC	0.080000	283163	
10.86			351					
11.09	11.02	11.16	53861	689518	delta-BHC	0.080000	673263	
11.26			475					
11.62	11.55	11.69	50929	695465	Heptachlor	0.080000	636600	
12.34	12.27	12.41	46817	636570	Aldrin	0.080000	585200	
13.12			558					
13.55			280					
13.75	13.68	13.82	42653	593700	Heptachlor Epoxide	0.080000	533150	
14.04	13.97	14.11	43114	594875	gamma-Chlordane	0.080000	538925	
14.34	14.27	14.41	37339	516712	alpha-Chlordane	0.080000	466737	
14.52	14.45	14.59	77431	523741	4,4'-DDE	0.160000	483944	
14.64	14.57	14.71	39883	548162	Endosulfan I	0.080000	498537	
15.17	15.10	15.24	76716	515556	Dieldrin	0.160000	479469	
15.45			2365					
15.68	15.61	15.75	67490	463071	Endrin	0.160000	421806	
15.82	15.74	15.88	58597	393458	4,4'-DDD	0.160000	366225	
16.01			121					
16.16	16.09	16.23	65978	450326	Endosulfan II	0.160000	412356	
16.32			394					
16.42	16.35	16.49	66592	454781	4,4'-DDT	0.160000	416194	
16.94			123					
17.07	17.00	17.14	50408	348470	Endrin Aldehyde	0.160000	315050	
17.44	17.37	17.51	136783	194359	Methoxychlor	0.800000	170977	
17.61			647					
18.00	17.93	18.07	56525	392055	Endosulfan sulfate	0.160000	353275	
18.28			1187					
18.60	18.53	18.67	67095	457258	Endrin Ketone	0.160000	419337	
18.96			137					
20.30			252					
20.70	20.63	20.77	54511	408350	Decachlorobiphenyl	0.160000	340687	

AHW
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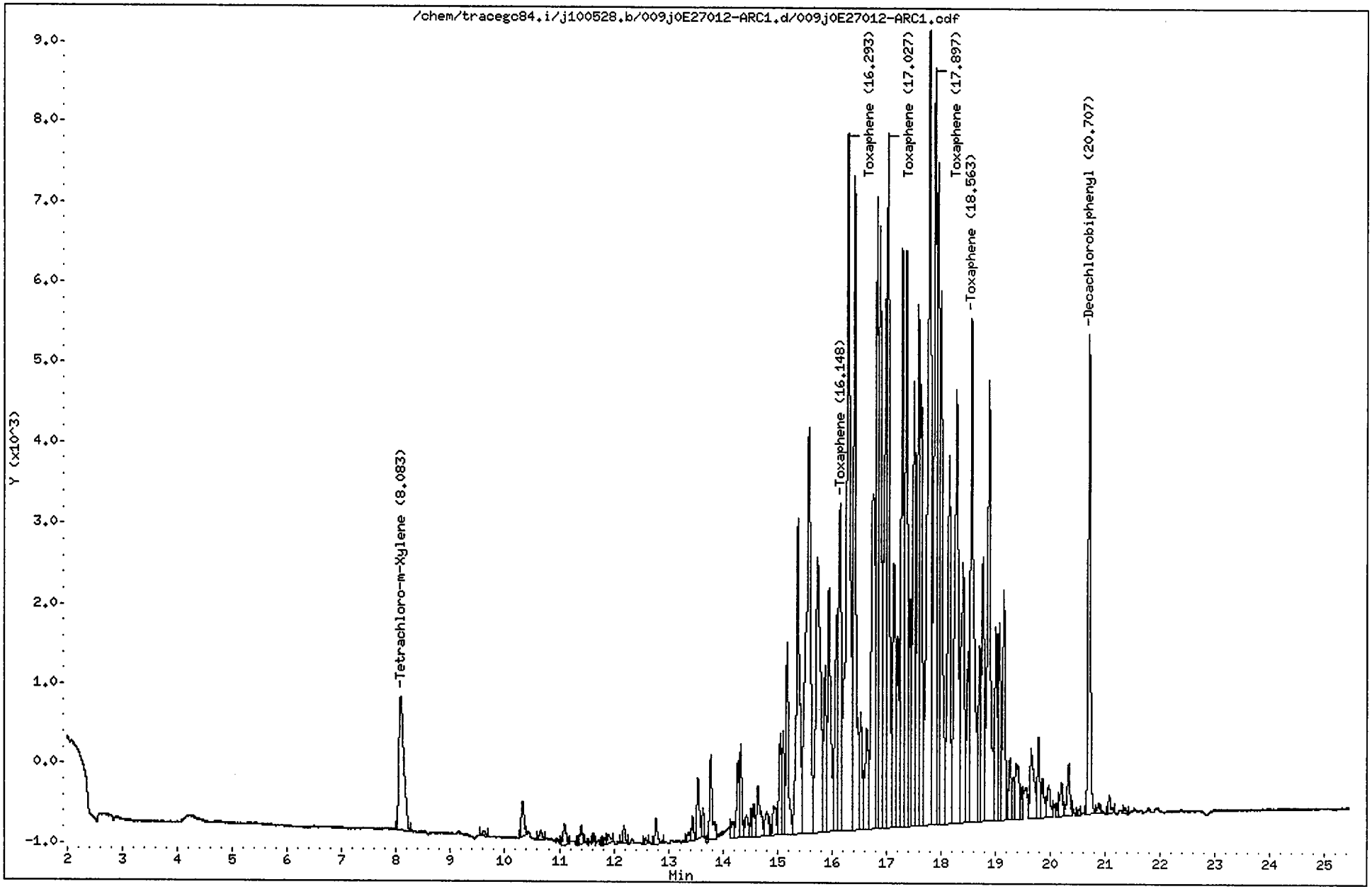
Data File: /chem/tracegc84.i/j100528.b/009j0E27012-ARC1.d
Date : 28-MAY-2010 20:43
Client ID: TOXAPH3HA
Sample Info: 0E27012-ARC1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC1 Client Smp Id : TOXAPH3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 28-MAY-2010 20:43 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : TOXAPH3HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.56			24358					
8.08	8.01	8.15	10558	522758	Tetrachloro-m-Xylene	0.020000	518200	
9.62			309					
10.33			1568					
10.66			402					
11.09			990					
11.40			779					
11.82			202					
11.90			506					
12.19			648					
12.58			176					
12.77			1115					
13.37			390					
13.45			773					
13.54			2468					
13.64			912					
13.78			3494					
14.18			680					
14.28			2861					
14.33			3309					
14.43			1100					
14.52			832					
14.57			1207					
14.65			2838					
14.81			1346					
14.93			1597					
15.05			3875					
15.11			3435					
15.18			7871					
15.37			16420					
15.57			29577					
15.74			21775					
15.88			6318					
15.95			11917					
16.09			9879					
16.15	16.08	16.22	14843	7421	Toxaphene Peak 1	2.000000	7421.000	
16.29	16.22	16.36	41666	20833	Toxaphene Peak 2	2.000000	20833	
16.41			28617					
16.53			4507					
16.64			6293					
16.75			19518					
16.83			22191					

2M

AHW 6/1/10

AHW 6/1/10

CompuChem

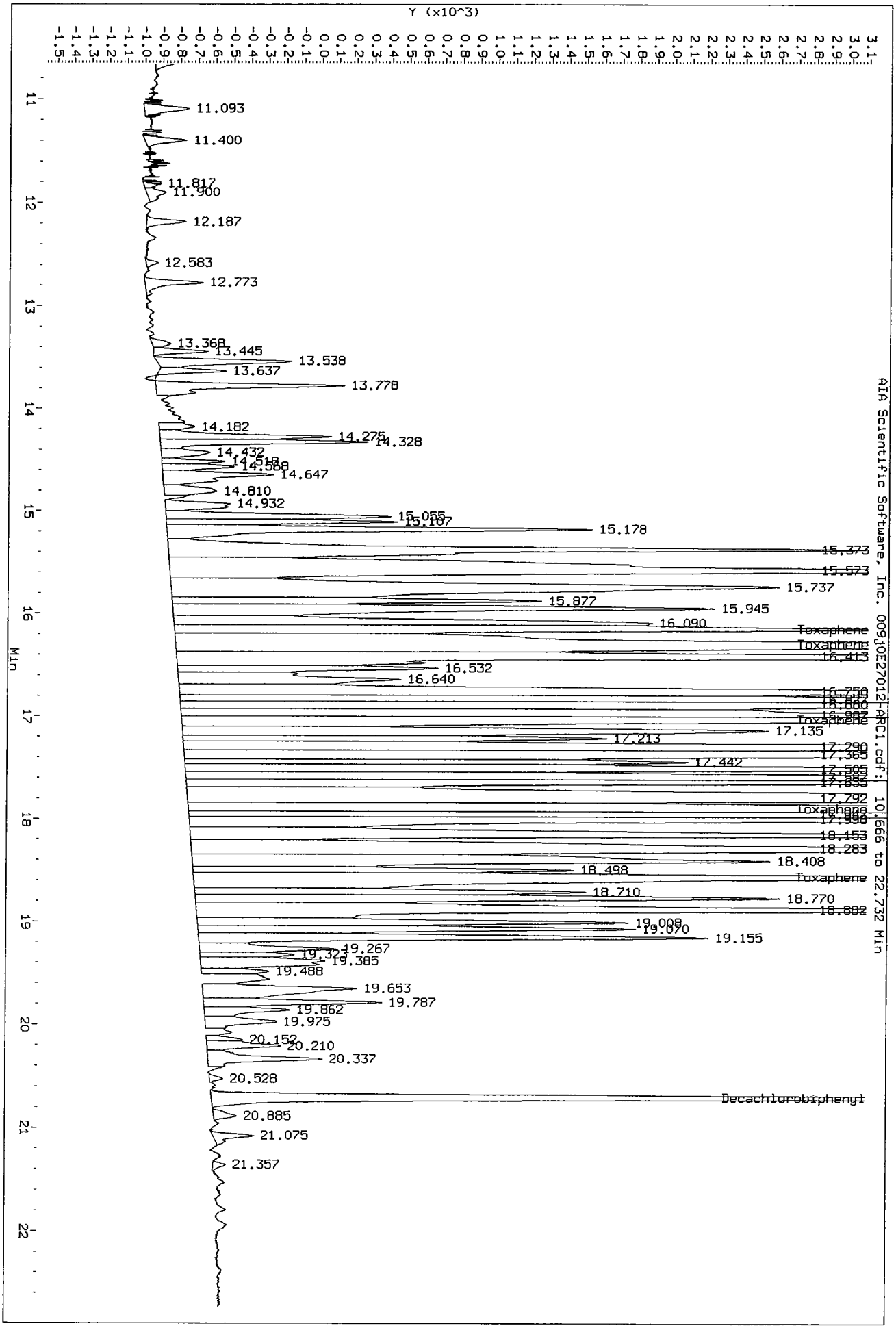
Lab Smp Id : 0E27012-ARC1 Client Smp Id : TOXAPH3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 28-MAY-2010 20:43 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : TOXAPH3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
16.88		23512					
16.99		21348					
17.03	16.96 17.10	28626	14312	Toxaphene Peak 3	2.000000	14313	
17.14		13251					
17.21		7060					
17.29		23121					
17.36		25594					
17.44		7892					
17.50		17368					
17.59		21427					
17.64		16338					
17.79		44953					
17.90	17.83 17.97	32621	16310	Toxaphene Peak 4	2.000000	16310	
17.95		23314					
18.00		21781					
18.15		17931					
18.28		26018					
18.41		15580					
18.50		6059					
18.56	18.49 18.63	26685	13342	Toxaphene Peak 5	2.000000	13342	
18.71		6666					
18.77		11185					
18.88		22226					
19.01		7578					
19.07		7754					
19.16		9352					
19.27		2707					
19.32		1421					
19.39		3544					
19.49		1084					
19.65		4444					
19.79		3103					
19.86		1723					
19.98		1738					
20.15		447					
20.21		1465					
20.34		2484					
20.53		193					
20.71	20.63 20.77	17009	408350	Decachlorobiphenyl	0.040000	403000	
20.89		448					
21.07		713					
21.36		207					

2M

Pm 6/1/10

AHW 6/1/10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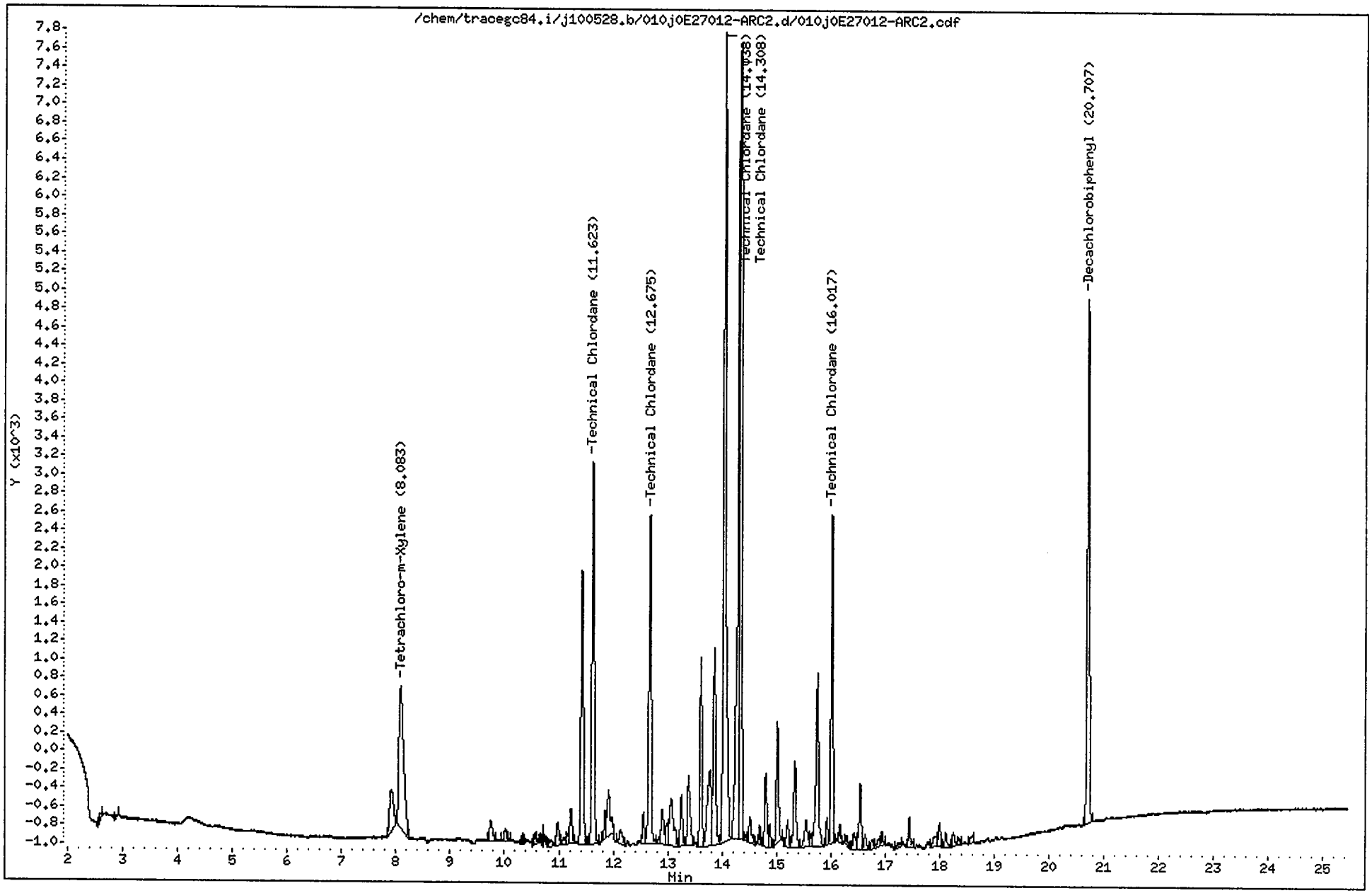
Injection Date: 28-MAY-2010 20:43
Instrument: tracegc84.i
Client Sample ID: TOXAPH3HA
Y (x10^3)
Min
AIA Scientific Software, Inc. 009j0E27012-ARC1.cdf: 10.666 to 22.732 Min
11.093
11.400
11.817
11.900
12.187
12.583
12.773
13.368
13.445
13.538
13.637
13.778
14.182
14.275
14.328
14.432
14.518
14.568
14.647
14.810
14.932
15.055
15.107
15.178
15.373
15.573
15.737
15.877
15.945
16.090
Toxaphene
Toxaphene
16.413
16.532
16.640
16.750
16.880
16.987
Toxaphene
17.135
17.213
17.290
17.365
17.442
17.505
17.632
17.792
Toxaphene
17.936
18.153
18.283
18.408
18.498
Toxaphene
18.710
18.770
18.882
19.008
19.070
19.155
19.267
19.327
19.385
19.488
19.653
19.787
19.862
19.975
20.152
20.210
20.337
20.528
Decachlorobiphenyl
20.885
21.075
21.357

Data File: /chem/tracegc84.i/j100528.b/010j0E27012-ARC2.d
Date : 28-MAY-2010 21:11
Client ID: CHLORO3HA
Sample Info: 0E27012-ARC2
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC2 Client Smp Id : CHLORO3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TechChlor
Inj Date : 28-MAY-2010 21:11 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : CHLORO3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.55		3144					
2.61		236					
2.89		132					
7.91		2292					
8.08	8.01 8.15	9295	522758	Tetrachloro-m-Xylene	0.020000	518200	
9.74		872					
10.02		546					
10.35		172					
10.55		303					
10.71		194					
10.82		301					
10.98		819					
11.10		232					
11.17		249					
11.22		1199					
11.42		9327					
11.62	11.55 11.69	12816	32040	TechnicalChlordane Peak 1	0.400000	32040	
11.85		777					
11.91		1992					
12.13		661					
12.55		847					
12.68	12.61 12.75	10802	27002	TechnicalChlordane Peak 2	0.400000	27003	
12.84		186					
12.90		1323					
12.98		581					
13.06		2773					
13.25		1605					
13.38		2661					
13.61		5322					
13.78		4299					
13.86		6651					
14.04	13.97 14.11	27683	69208	TechnicalChlordane Peak 3	0.400000	69207	
14.31	14.24 14.38	21396	53488	TechnicalChlordane Peak 4	0.400000	53487	
14.33		21026					
14.43		147					
14.51		948					
14.69		425					
14.80		2186					
14.87		657					
15.01		3629					
15.21		847					
15.34		3048					

AHW
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CompuChem

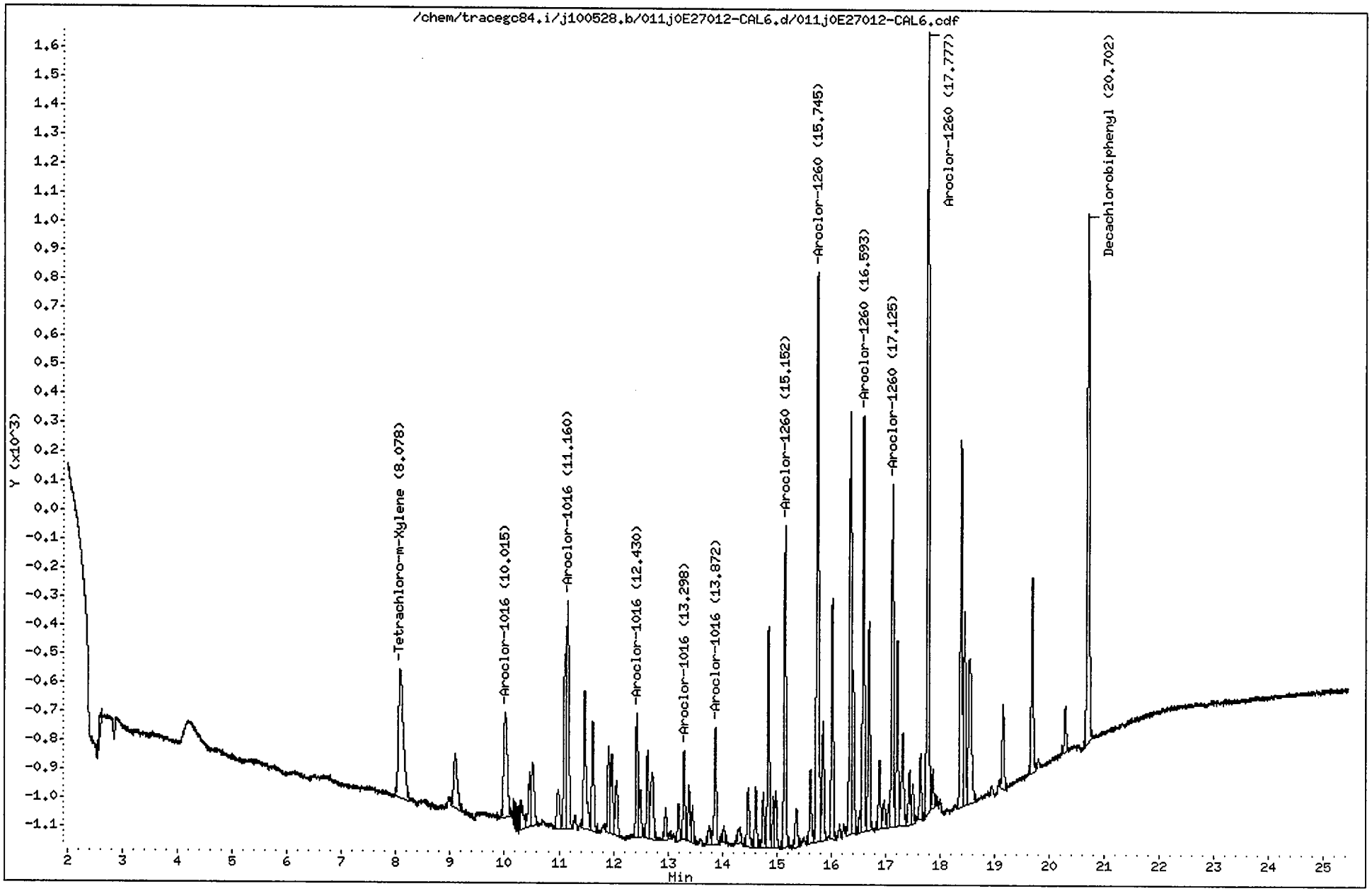
Lab Smp Id : 0E27012-ARC2 Client Smp Id : CHLORO3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TechChlor
Inj Date : 28-MAY-2010 21:11 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : CHLORO3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.54		1136					
15.62		313					
15.75		6299					
15.93		682					
16.02	15.95 16.09	8940	22350	TechnicalChlordane Peak 5	0.400000	22350	
16.17		448					
16.29		241					
16.43		614					
16.54		2122					
16.63		473					
16.76		303					
16.88		290					
16.95		347					
17.25		149					
17.44		877					
17.89		575					
18.00		694					
18.11		452					
18.25		444					
18.36		149					
18.57		251					
20.71	20.63 20.77	15746	408350	Decachlorobiphenyl	0.040000	403000	

Data File: /chem/tracegc84.i/j100528.b/011j0E27012-CAL6.d
Date : 28-MAY-2010 21:40
Client ID: AR16601HA
Sample Info: 0E27012-CAL6
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL6 Client Smp Id : AR16601HA
Sample Type : INITIAL CAL: Level 1 Sublist : AR1660
Inj Date : 28-MAY-2010 21:40 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16601HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.56		3520					
2.59		170					
8.08	8.01 8.15	2767	522758	Tetrachloro-m-Xylene	0.005000	537800	
9.09		902					
10.02	9.95 10.09	1704	15485	Aroclor-1016 Peak 1	0.100000	17040	
10.30		383					
10.46		489					
10.52		870					
10.98		528					
11.11		1558					
11.16	11.09 11.23	2521	22974	Aroclor-1016 Peak 2	0.100000	25200	
11.47		1557					
11.62		1096					
11.91		804					
11.97		780					
12.06		587					
12.43	12.36 12.50	1156	10563	Aroclor-1016 Peak 3	0.100000	11560	
12.49		414					
12.63		808					
12.72		911					
12.96		316					
13.20		306					
13.30	13.23 13.37	745	6997	Aroclor-1016 Peak 4	0.100000	7450.000	
13.39		506					
13.46		304					
13.77		199					
13.87	13.81 13.95	1131	10047	Aroclor-1016 Peak 5	0.100000	11310	
14.03		153					
14.30		186					
14.48		587					
14.62		512					
14.75		471					
14.85		1852					
14.94		401					
14.98		478					
15.15	15.08 15.22	2767	23522	Aroclor-1260 Peak 1	0.100000	27660	
15.36		403					
15.62		649					
15.74	15.68 15.82	5499	46694	Aroclor-1260 Peak 2	0.100000	54980	
15.85		1061					
16.02		2074					
16.35		3908					

AHW
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CompuChem

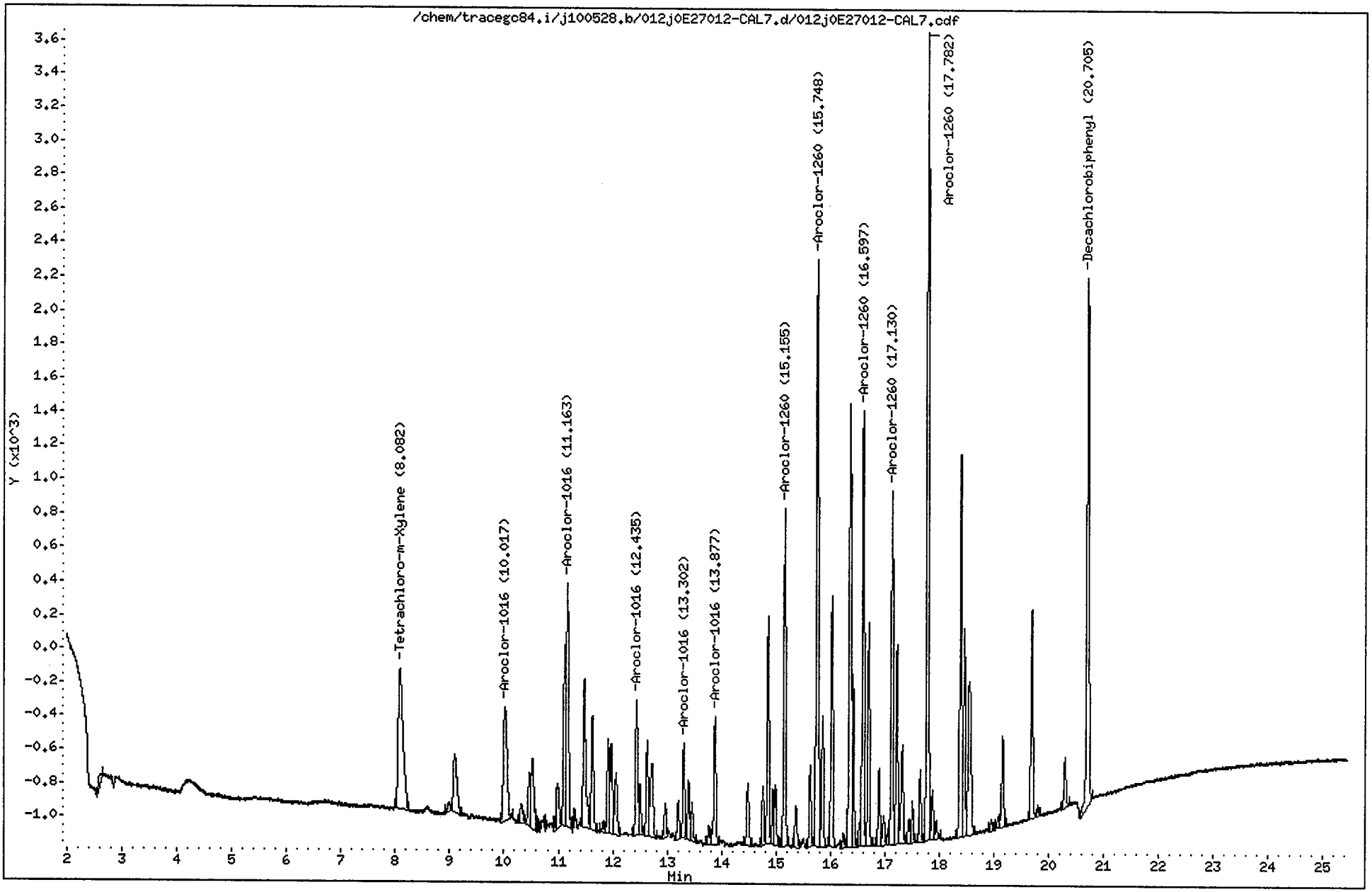
Lab Smp Id : 0E27012-CAL6 Client Smp Id : AR16601HA
Sample Type : INITIAL CAL: Level 1 Sublist : AR1660
Inj Date : 28-MAY-2010 21:40 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16601HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
16.41		1447					
16.53		138					
16.59	16.53 16.67	3561	30634	Aroclor-1260 Peak 3	0.100000	35610	
16.70		1748					
16.89		619					
16.98		267					
17.06		185					
17.12	17.06 17.20	2961	25456	Aroclor-1260 Peak 4	0.100000	29610	
17.21		1590					
17.32		996					
17.44		512					
17.50		339					
17.65		558					
17.78	17.71 17.85	6708	57759	Aroclor-1260 Peak 5	0.100000	67080	
17.87		305					
18.39		3123					
18.45		1664					
18.54		2061					
19.16		730					
19.69		1693					
20.29		371					
20.70	20.63 20.77	4944	408350	Decachlorobiphenyl	0.010000	482100	

Data File: /chem/tracegc84.i/j100528.b/012j0E27012-CAL7.d
Date : 28-MAY-2010 22:10
Client ID: AR16602HA
Sample Info: 0E27012-CAL7
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL7 Client Smp Id : AR16602HA
Sample Type : INITIAL CAL: Level 2 Sublist : AR1660
Inj Date : 28-MAY-2010 22:10 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16602HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.56		3394					
2.62		287					
8.08	8.01 8.15	5111	522758	Tetrachloro-m-Xylene	0.010000	545600	
8.98		168					
9.09		1587					
10.02	9.95 10.09	3202	15485	Aroclor-1016 Peak 1	0.200000	16010	
10.32		401					
10.47		855					
10.53		1721					
10.95		194					
10.99		893					
11.11		2453					
11.16	11.09 11.23	4955	22974	Aroclor-1016 Peak 2	0.200000	24775	
11.48		2978					
11.63		1965					
11.83		175					
11.91		1534					
11.97		1482					
12.06		1224					
12.44	12.36 12.50	2175	10563	Aroclor-1016 Peak 3	0.200000	10870	
12.50		784					
12.63		1476					
12.72		1715					
12.96		496					
13.20		546					
13.30	13.23 13.37	1376	6997	Aroclor-1016 Peak 4	0.200000	6875.000	
13.39		893					
13.46		572					
13.77		273					
13.88	13.81 13.95	2082	10047	Aroclor-1016 Peak 5	0.200000	10405	
14.48		1031					
14.76		821					
14.85		3269					
14.94		740					
14.99		840					
15.16	15.08 15.22	4966	23522	Aroclor-1260 Peak 1	0.200000	24830	
15.37		690					
15.63		1165					
15.75	15.68 15.82	9746	46694	Aroclor-1260 Peak 2	0.200000	48725	
15.86		1914					
16.02		3785					
16.24		204					

AHW
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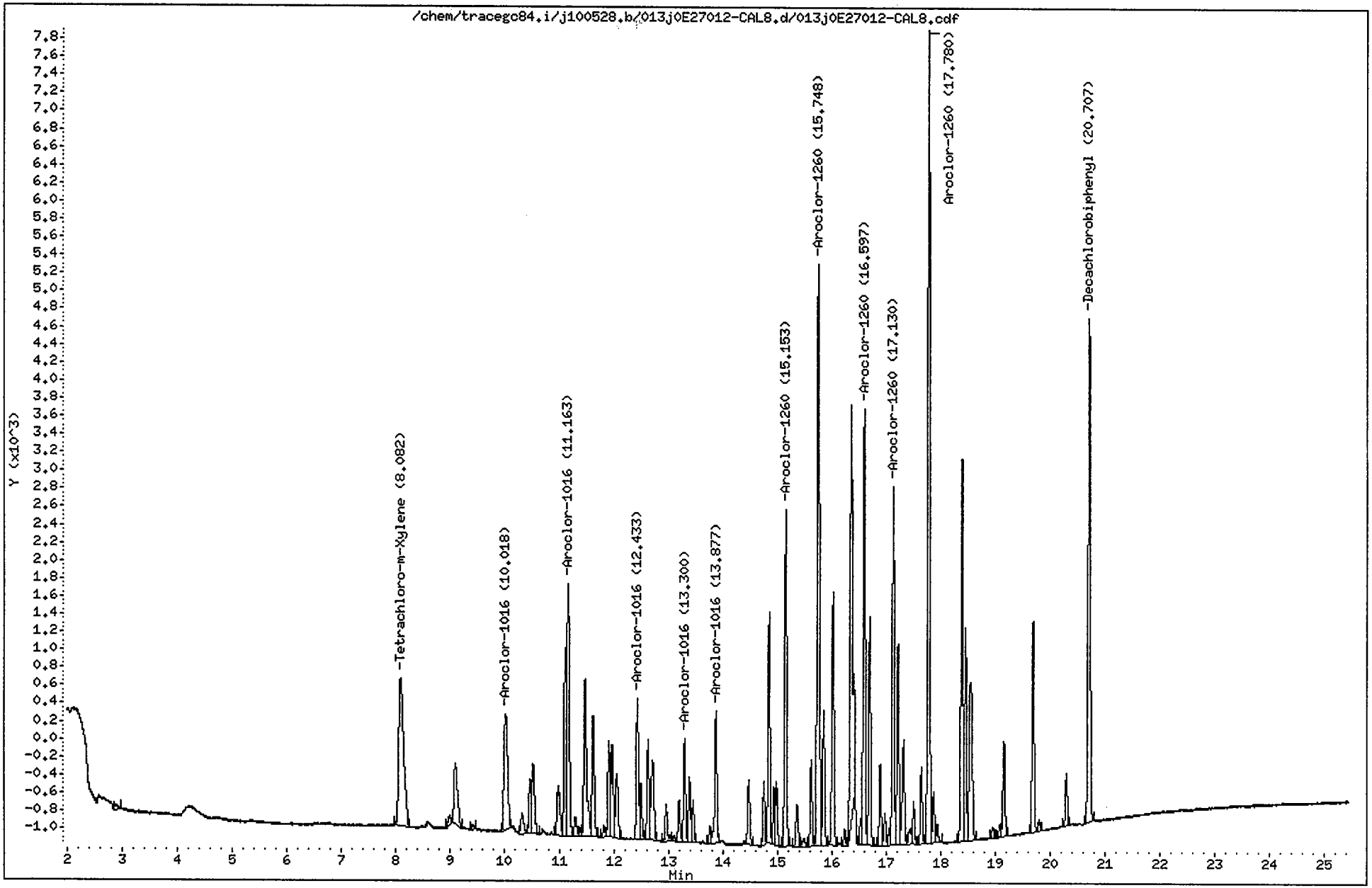
CompuChem

Lab Smp Id : 0E27012-CAL7 Client Smp Id : AR16602HA
Sample Type : INITIAL CAL: Level 2 Sublist : AR1660
Inj Date : 28-MAY-2010 22:10 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16602HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
16.36		7192					
16.41		2387					
16.53		279					
16.60	16.53 16.67	6472	30634	Aroclor-1260 Peak 3	0.200000	32360	
16.70		3267					
16.89		1120					
16.98		448					
17.05		200					
17.13	17.06 17.20	5313	25456	Aroclor-1260 Peak 4	0.200000	26565	
17.22		2891					
17.32		1753					
17.44		413					
17.51		561					
17.65		1014					
17.78	17.71 17.85	12048	57759	Aroclor-1260 Peak 5	0.200000	60240	
17.87		729					
17.94		293					
18.39		5771					
18.45		3059					
18.55		3649					
18.95		160					
19.08		156					
19.16		1411					
19.69		3081					
19.80		138					
20.29		789					
20.70	20.63 20.77	8841	408350	Decachlorobiphenyl	0.020000	446650	

Data File: /chem/tracegc84.i/j100528.b/013j0E27012-CAL8.d
Date : 28-MAY-2010 22:38
Client ID: AR16603HA
Sample Info: 0E27012-CAL8
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i
Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL8 Client Smp Id : AR16603HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1660
Inj Date : 28-MAY-2010 22:38 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16603HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.56		24150					
2.88		267					
8.08	8.01 8.15	10346	522758	Tetrachloro-m-Xylene	0.020000	518200	
8.99		354					
9.09		3161					
9.41		176					
10.02	9.95 10.09	6110	15485	Aroclor-1016 Peak 1	0.400000	15275	
10.32		841					
10.46		1618					
10.52		2899					
10.99		2044					
11.11		5325					
11.16	11.09 11.23	9213	22974	Aroclor-1016 Peak 2	0.400000	23033	
11.30		682					
11.38		210					
11.48		6114					
11.63		3897					
11.82		302					
11.91		2768					
11.97		2942					
12.06		2375					
12.43	12.36 12.50	4296	10563	Aroclor-1016 Peak 3	0.400000	10740	
12.50		1583					
12.63		2895					
12.72		3338					
12.96		1215					
13.11		157					
13.20		1187					
13.30	13.23 13.37	2917	6997	Aroclor-1016 Peak 4	0.400000	7290.000	
13.39		1889					
13.46		1219					
13.77		494					
13.88	13.81 13.95	3998	10047	Aroclor-1016 Peak 5	0.400000	9995.000	
14.48		1969					
14.76		1640					
14.85		6318					
14.94		1482					
14.99		1704					
15.15	15.08 15.22	9457	23522	Aroclor-1260 Peak 1	0.400000	23643	
15.36		1397					
15.49		293					
15.63		2355					

AHW
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CompuChem

Lab Smp Id : 0E27012-CAL8 Client Smp Id : AR16603HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1660
Inj Date : 28-MAY-2010 22:38 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16603HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.75	15.68 15.82	18648	46694	Aroclor-1260 Peak 2	0.400000	46620	
15.85		3801					
16.02		7349					
16.24		412					
16.36		15379					
16.53		642					
16.60	16.53 16.67	12252	30634	Aroclor-1260 Peak 3	0.400000	30627	
16.70		6322					
16.89		2203					
16.98		867					
17.06		395					
17.13	17.06 17.20	10256	25456	Aroclor-1260 Peak 4	0.400000	25640	
17.22		5637					
17.32		3467					
17.44		592					
17.51		1173					
17.65		2041					
17.78	17.71 17.85	22955	57759	Aroclor-1260 Peak 5	0.400000	57385	
17.87		1415					
17.94		520					
18.39		11047					
18.45		5878					
18.55		6954					
18.95		327					
19.08		343					
19.16		2847					
19.69		5998					
19.80		299					
20.30		1460					
20.71	20.63 20.77	15493	408350	Decachlorobiphenyl	0.040000	403000	

Data File: /chem/tracegc84.i/j100528.b/014j0E27012-CAL9.d

Date : 28-MAY-2010 23:07

Client ID: AR16604HA

Sample Info: 0E27012-CAL9

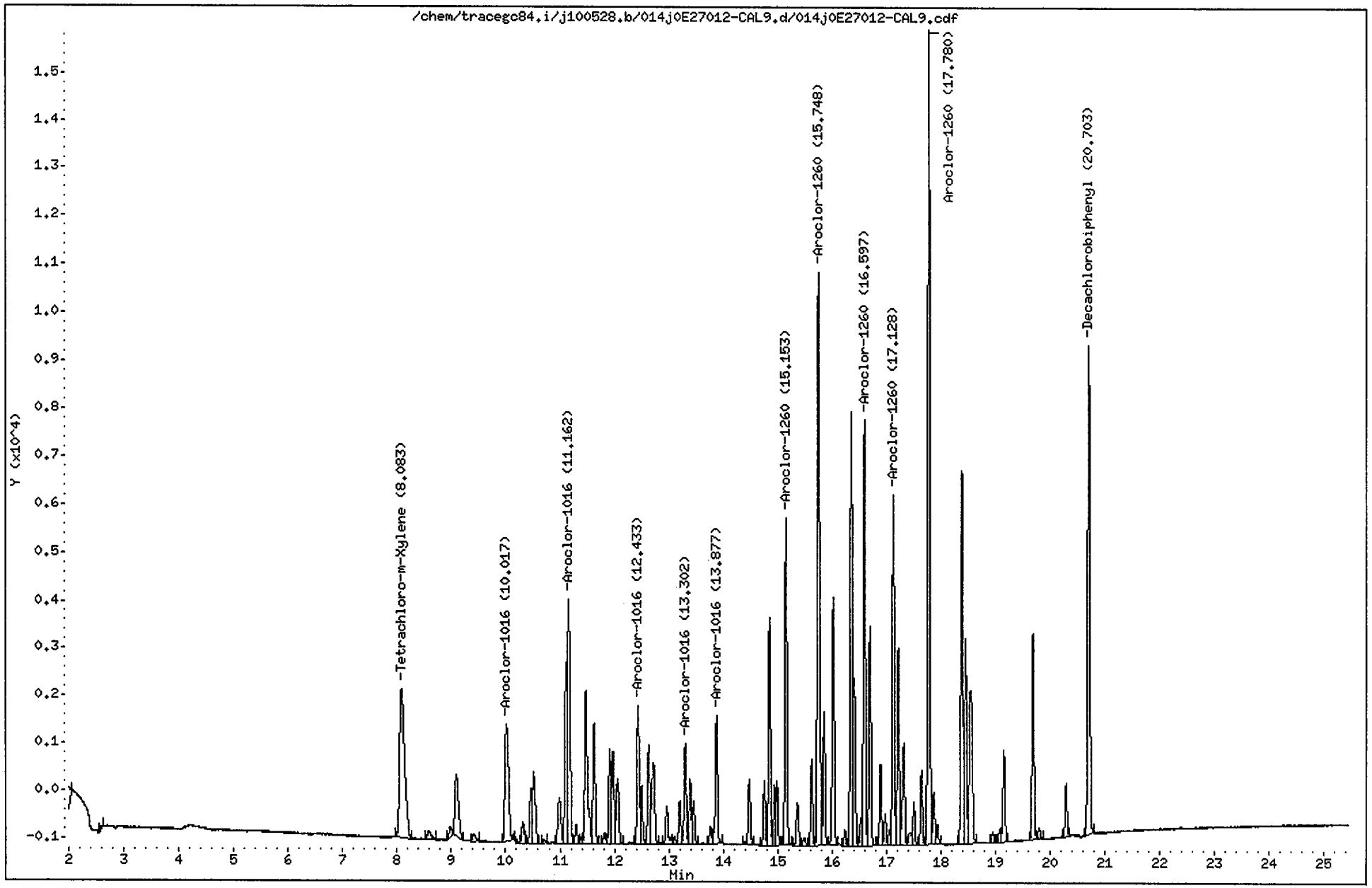
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL9 Client Smp Id : AR16604HA
Sample Type : INITIAL CAL: Level 4 Sublist : AR1660
Inj Date : 28-MAY-2010 23:07 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16604HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.44		125					
1.56		25544					
2.60		153					
8.08	8.01 8.15	20185	522758	Tetrachloro-m-Xylene	0.040000	513275	
8.59		872					
8.98		657					
9.09		6109					
9.41		565					
10.02	9.95 10.09	11992	15485	Aroclor-1016 Peak 1	0.800000	14990	
10.31		1623					
10.47		3365					
10.52		5263					
10.71		191					
10.99		3888					
11.11		9659					
11.16	11.09 11.23	17361	22974	Aroclor-1016 Peak 2	0.800000	21701	
11.30		1192					
11.39		386					
11.47		11480					
11.63		7407					
11.82		660					
11.91		5385					
11.97		5650					
12.06		4523					
12.43	12.36 12.50	8185	10563	Aroclor-1016 Peak 3	0.800000	10230	
12.50		3221					
12.63		5585					
12.72		6541					
12.96		2515					
13.11		407					
13.20		2340					
13.30	13.23 13.37	5559	6997	Aroclor-1016 Peak 4	0.800000	6948.750	
13.39		3616					
13.46		2380					
13.77		956					
13.88	13.81 13.95	7714	10047	Aroclor-1016 Peak 5	0.800000	9642.500	
14.39		179					
14.47		3827					
14.76		3371					
14.85		12073					
14.94		3015					
14.99		3303					

AHW
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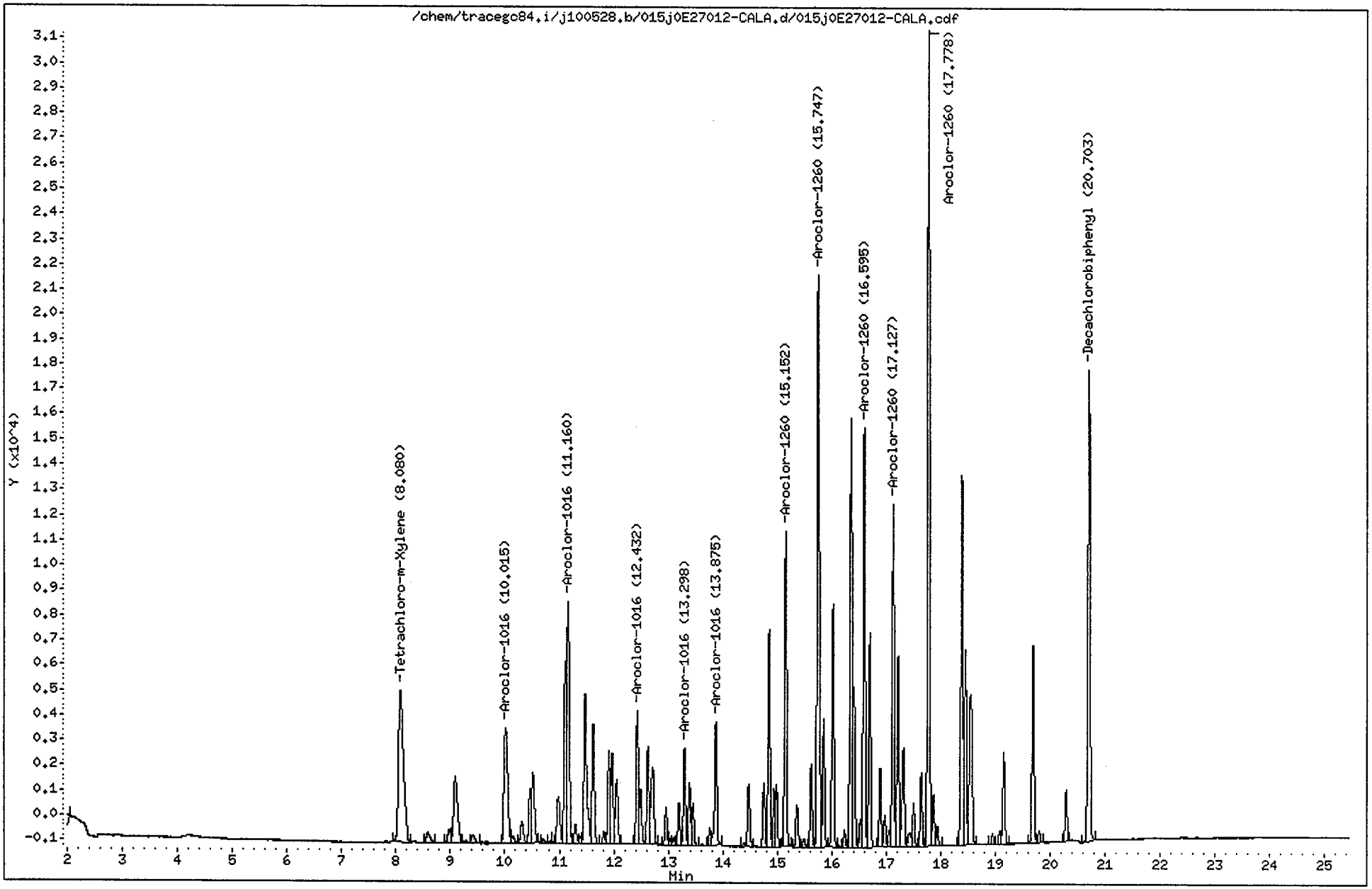
CompuChem

Lab Smp Id : 0E27012-CAL9 Client Smp Id : AR16604HA
Sample Type : INITIAL CAL: Level 4 Sublist : AR1660
Inj Date : 28-MAY-2010 23:07 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16604HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.15	15.08 15.22	17271	23522	Aroclor-1260 Peak 1	0.800000	21587	
15.37		2617					
15.50		557					
15.62		4436					
15.75	15.68 15.82	34379	46694	Aroclor-1260 Peak 2	0.800000	42974	
15.85		7021					
16.02		13737					
16.23		803					
16.36		25290					
16.41		8474					
16.53		1302					
16.60	16.53 16.67	22635	30634	Aroclor-1260 Peak 3	0.800000	28294	
16.70		11870					
16.89		4166					
16.98		1645					
17.05		713					
17.13	17.06 17.20	18884	25456	Aroclor-1260 Peak 4	0.800000	23605	
17.22		10385					
17.32		6517					
17.42		996					
17.50		2248					
17.65		3880					
17.78	17.71 17.85	42652	57759	Aroclor-1260 Peak 5	0.800000	53315	
17.87		2672					
17.94		950					
18.39		20345					
18.45		10856					
18.55		12918					
18.95		603					
19.08		650					
19.16		5250					
19.69		11058					
19.80		591					
20.29		2820					
20.70	20.63 20.77	28052	408350	Decachlorobiphenyl	0.080000	369313	

Data File: /chem/tracegc84.i/j100528.b/015j0E27012-CALA.d
Date : 28-MAY-2010 23:36
Client ID: AR16605HA
Sample Info: 0E27012-CALA
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i
Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CALA Client Smp Id : AR16605HA
Sample Type : INITIAL CAL: Level 5 Sublist : AR1660
Inj Date : 28-MAY-2010 23:36 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16605HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.44		136					
1.56		22796					
8.08	8.01 8.15	38541	522758	Tetrachloro-m-Xylene	0.080000	498913	
8.58		2097					
8.97		2115					
9.09		13363					
9.41		1315					
10.02	9.95 10.09	22577	15485	Aroclor-1016 Peak 1	1.600000	14111	
10.14		1046					
10.31		3107					
10.47		6161					
10.52		10007					
10.70		493					
10.86		130					
10.98		7446					
11.11		18142					
11.16	11.09 11.23	32256	22974	Aroclor-1016 Peak 2	1.600000	20160	
11.29		2414					
11.39		790					
11.47		21565					
11.62		14013					
11.82		1333					
11.91		10102					
11.97		10481					
12.05		8519					
12.43	12.36 12.50	15068	10563	Aroclor-1016 Peak 3	1.600000	9416.875	
12.49		6118					
12.63		10474					
12.72		12219					
12.96		4138					
13.03		666					
13.10		773					
13.20		4471					
13.30	13.23 13.37	10278	6997	Aroclor-1016 Peak 4	1.600000	6423.125	
13.39		6778					
13.45		4623					
13.76		1816					
13.88	13.81 13.95	14214	10047	Aroclor-1016 Peak 5	1.600000	8883.125	
14.39		257					
14.48		6972					
14.75		6257					
14.85		22143					

AHW
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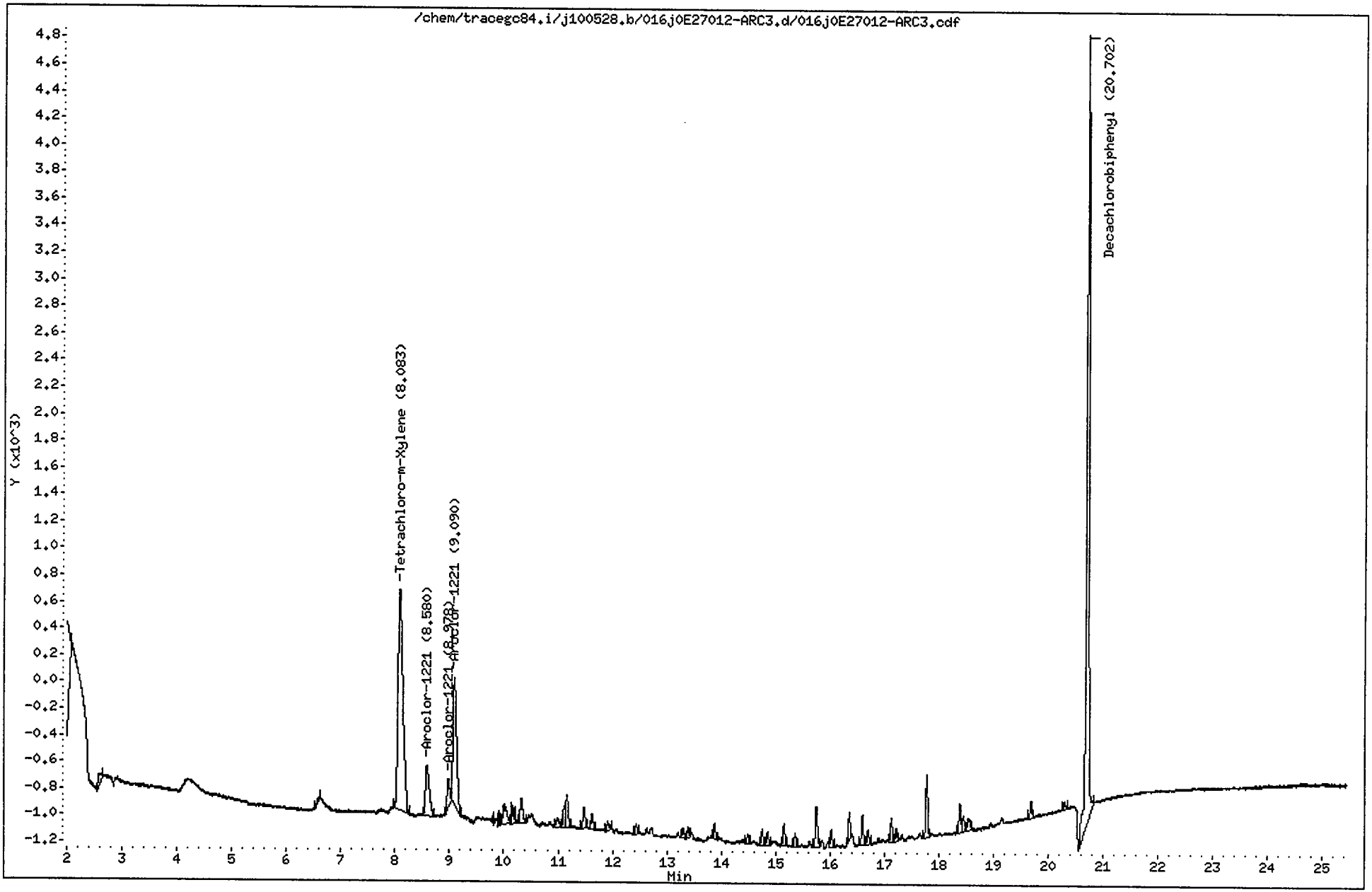
CompuChem

Lab Smp Id : 0E27012-CALA Client Smp Id : AR16605HA
Sample Type : INITIAL CAL: Level 5 Sublist : AR1660
Inj Date : 28-MAY-2010 23:36 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16605HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
14.94		5693					
14.98		6157					
15.15	15.08 15.22	31824	23522	Aroclor-1260 Peak 1	1.600000	19889	
15.36		4930					
15.49		1046					
15.62		8213					
15.75	15.68 15.82	64274	46694	Aroclor-1260 Peak 2	1.600000	40171	
15.85		12877					
16.02		25491					
16.13		199					
16.23		1546					
16.35		47716					
16.41		15057					
16.53		2560					
16.60	16.53 16.67	42043	30634	Aroclor-1260 Peak 3	1.600000	26276	
16.70		21872					
16.89		7781					
16.98		3167					
17.05		1430					
17.13	17.06 17.20	34976	25456	Aroclor-1260 Peak 4	1.600000	21860	
17.22		19261					
17.32		12242					
17.43		2019					
17.50		4340					
17.65		7276					
17.78	17.71 17.85	81243	57759	Aroclor-1260 Peak 5	1.600000	50777	
17.87		5164					
17.94		1884					
18.39		38185					
18.45		19689					
18.54		23668					
18.95		1141					
19.08		1255					
19.16		9881					
19.69		20464					
19.80		1193					
20.29		5262					
20.70	20.63 20.77	51898	408350	Decachlorobiphenyl	0.160000	340687	

Data File: /chem/tracegc84.i/j100528.b/016j0E27012-ARC3.d
Date : 29-MAY-2010 00:05
Client ID: AR12213HA
Sample Info: 0E27012-ARC3
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i
Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC3 Client Smp Id : AR12213HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1221
Inj Date : 29-MAY-2010 00:05 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR12213HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.56			46706					
2.59			246					
6.60			145					
8.08	8.01	8.15	10436	522758	Tetrachloro-m-Xylene	0.020000	518200	
8.58	8.51	8.65	1932	4828	Aroclor-1221 Peak 2	0.400000	4827.500	
8.98	8.91	9.05	681	1702	Aroclor-1221 Peak 3	0.400000	1702.500	
9.09	9.02	9.16	4396	10990	Aroclor-1221 Peak 4	0.400000	10990	
10.00			677					
10.15			419					
10.33			647					
10.99			266					
11.12			393					
11.16			780					
11.48			448					
11.62			347					
11.92			222					
12.44			192					
13.30			205					
13.39			169					
13.88			264					
14.48			191					
14.75			287					
14.85			245					
15.15			395					
15.35			268					
15.74			845					
16.02			328					
16.36			480					
16.59			511					
16.70			249					
17.13			433					
17.21			227					
17.78			1137					
18.38			540					
18.45			277					
18.55			314					
19.69			302					
20.29			148					
20.70	20.63	20.77	17787	408350	Decachlorobiphenyl	0.040000	403000	

AHW
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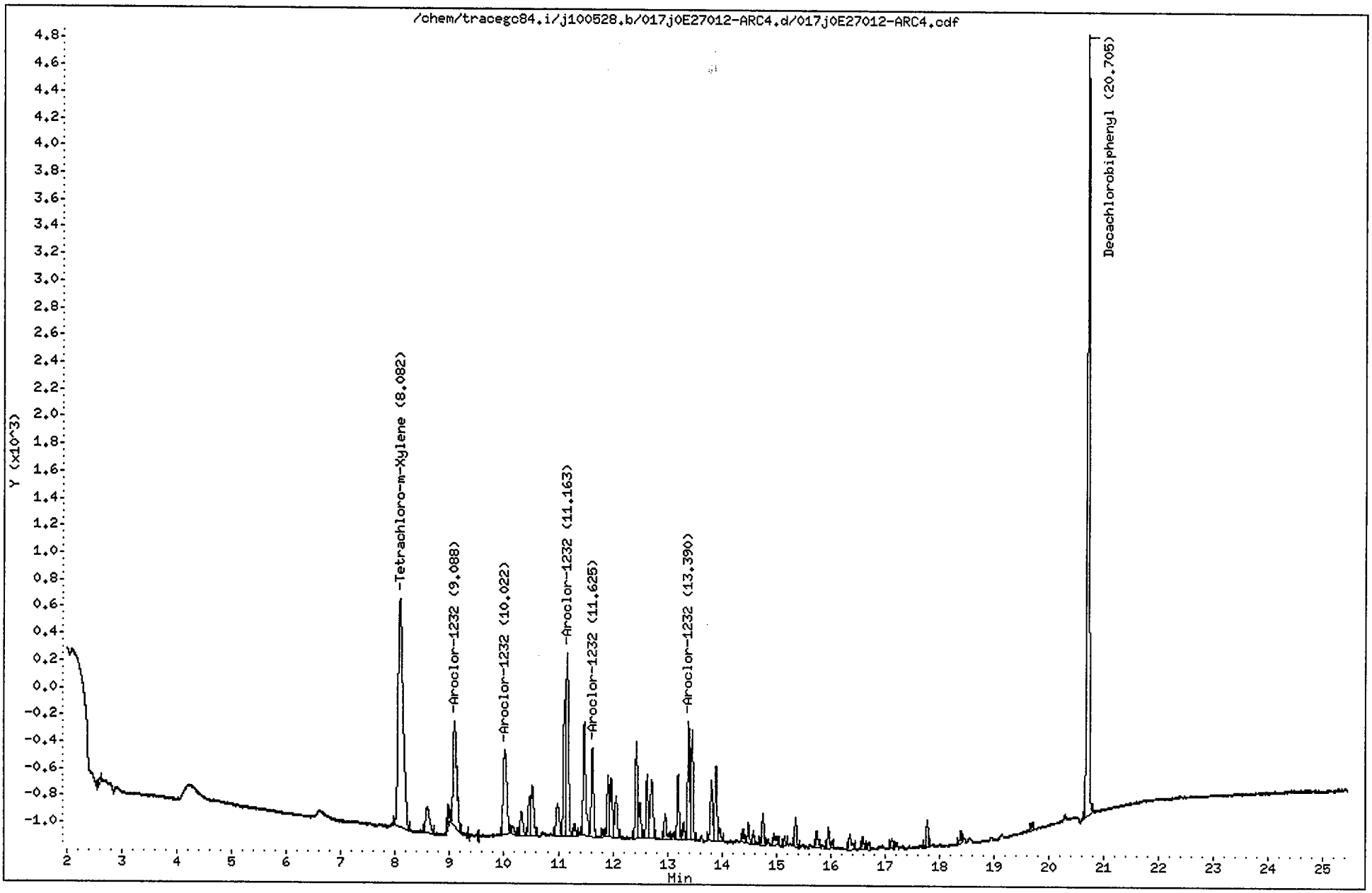
Data File: /chem/tracegc84.i/j100528.b/017j0E27012-ARC4.d
Date : 29-MAY-2010 00:34
Client ID: AR12323HA
Sample Info: 0E27012-ARC4
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC4 Client Smp Id : AR12323HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1232
Inj Date : 29-MAY-2010 00:34 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR12323HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.56		23153					
2.59		142					
8.08	8.01 8.15	10692	522758	Tetrachloro-m-Xylene	0.020000	518200	
8.59		1062					
8.97		388					
9.09	9.02 9.16	3587	8968	Aroclor-1232 Peak 1	0.400000	8967.500	
10.02	9.95 10.09	2925	7312	Aroclor-1232 Peak 2	0.400000	7312.500	
10.16		195					
10.32		666					
10.46		729					
10.52		1411					
10.99		964					
11.11		2664					
11.16	11.09 11.23	4330	10825	Aroclor-1232 Peak 3	0.400000	10825	
11.30		252					
11.48		2752					
11.62	11.56 11.70	1875	4685	Aroclor-1232 Peak 4	0.400000	4685.000	
11.83		130					
11.91		1200					
11.97		1266					
12.06		993					
12.43		1930					
12.50		704					
12.63		1233					
12.72		1571					
12.96		599					
13.20		1217					
13.30		330					
13.39	13.32 13.46	2184	5460	Aroclor-1232 Peak 5	0.400000	5460.000	
13.46		2195					
13.81		1214					
13.90		1610					
13.96		261					
14.39		229					
14.49		374					
14.59		240					
14.76		583					
14.96		323					
15.15		151					
15.36		554					
15.74		334					
15.96		451					

AHW
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CompuChem

Lab Smp Id : 0E27012-ARC4 Client Smp Id : AR12323HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1232
Inj Date : 29-MAY-2010 00:34 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR12323HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
16.36		371					
16.59		223					
16.70		121					
17.13		177					
17.78		507					
18.39		203					
19.69		148					
20.70	20.63 20.77	15922	408350	Decachlorobiphenyl	0.040000	403000	

Data File: /chem/tracegc84.i/j100528.b/018j0E27012-ARC5.d

Page 1

Date : 29-MAY-2010 01:03

Client ID: AR12423HA

Instrument: tracegc84.i

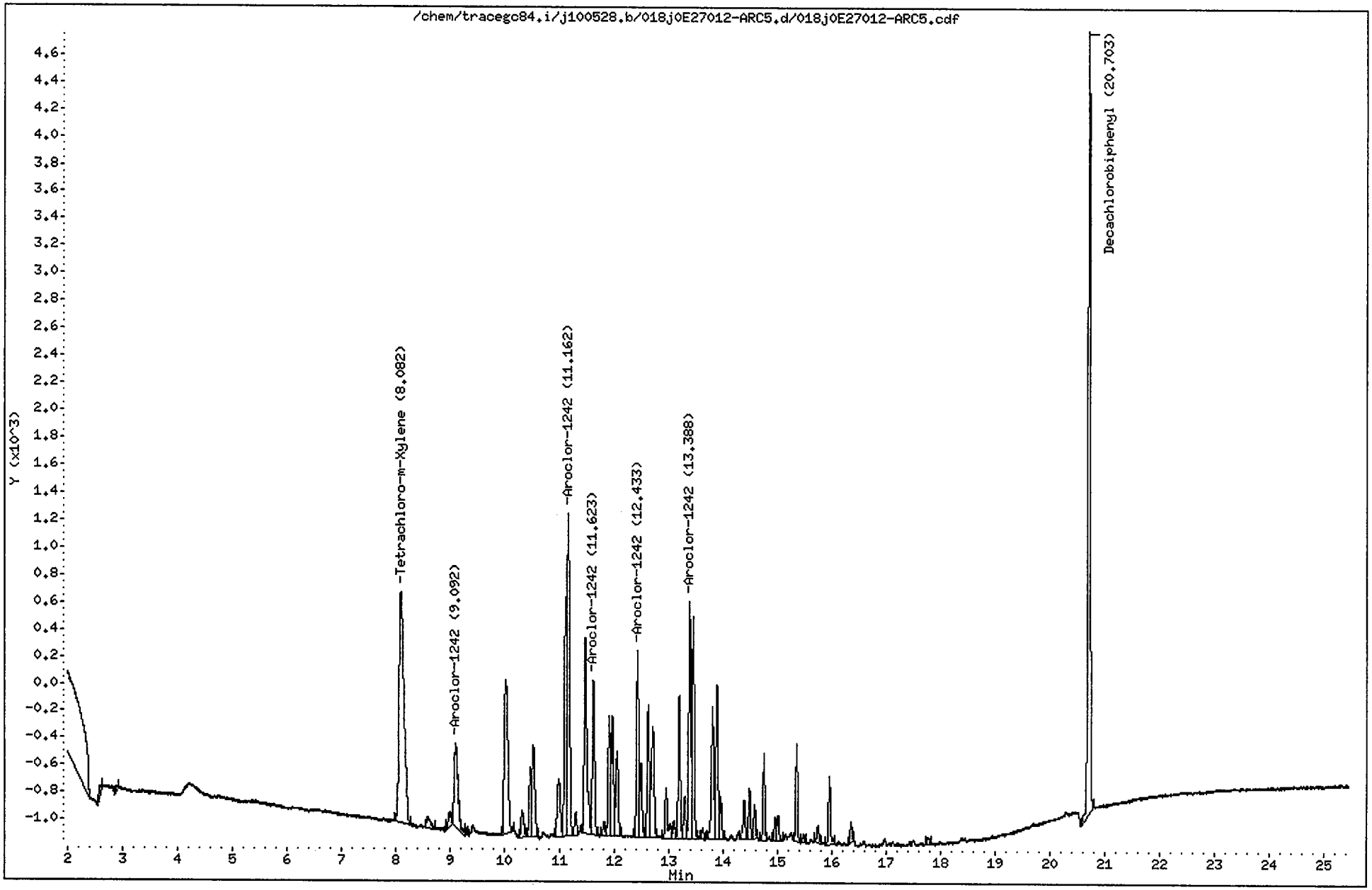
Sample Info: 0E27012-ARC5

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC5 Client Smp Id : AR12423HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1242
Inj Date : 29-MAY-2010 01:03 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR12423HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.45		268					
1.57		51914					
2.59		168					
2.88		149					
8.08	8.01 8.15	10697	522758	Tetrachloro-m-Xylene	0.020000	518200	
8.58		421					
8.97		453					
9.09	9.02 9.16	2993	7480	Aroclor-1242 Peak 1	0.400000	7480.000	
10.02		5302					
10.32		672					
10.47		1415					
10.52		2363					
10.99		1671					
11.11		4527					
11.16	11.09 11.23	7642	19102	Aroclor-1242 Peak 2	0.400000	19103	
11.30		461					
11.47		4930					
11.62	11.55 11.69	3237	8092	Aroclor-1242 Peak 3	0.400000	8092.500	
11.82		273					
11.91		2376					
11.97		2518					
12.06		2001					
12.43	12.36 12.50	3706	9262	Aroclor-1242 Peak 4	0.400000	9262.500	
12.49		1438					
12.63		2561					
12.72		3057					
12.96		1275					
13.10		313					
13.20		2678					
13.30		812					
13.39	13.32 13.46	4515	11288	Aroclor-1242 Peak 5	0.400000	11287	
13.46		4257					
13.63		207					
13.81		2818					
13.89		3385					
13.96		739					
14.39		756					
14.49		883					
14.59		574					
14.76		1518					
14.96		435					
15.02		461					

AHW
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CompuChem

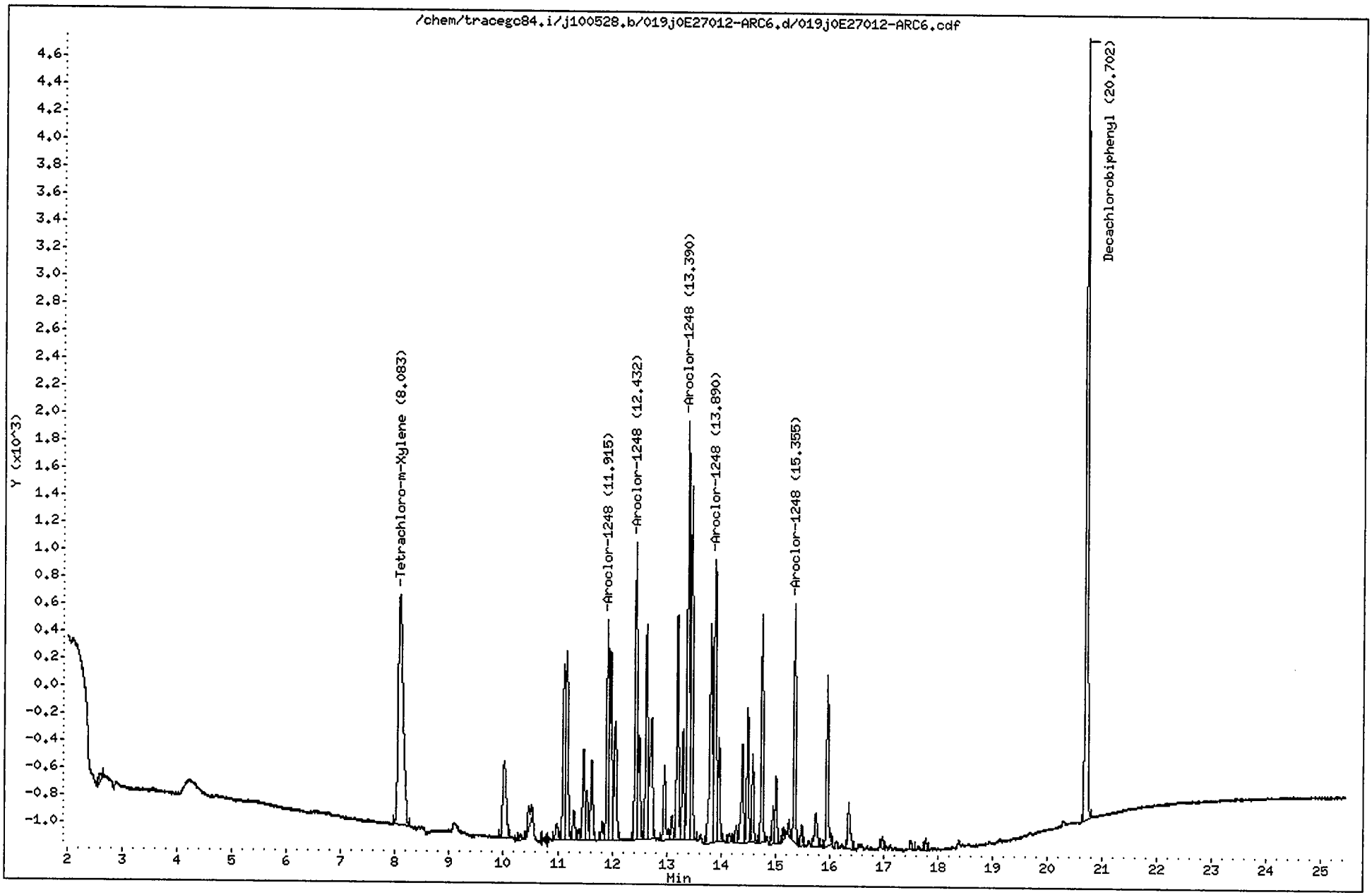
Lab Smp Id : 0E27012-ARC5 Client Smp Id : AR12423HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1242
Inj Date : 29-MAY-2010 01:03 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR12423HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.36		1704					
15.49		134					
15.74		349					
15.96		1315					
16.36		348					
17.78		130					
20.70	20.63 20.77	16204	408350	Decachlorobiphenyl	0.040000	403000	

Data File: /chem/tracegc84.i/j100528.b/019j0E27012-ARC6.d
Date : 29-MAY-2010 01:32
Client ID: AR12483HA
Sample Info: 0E27012-ARC6
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC6 Client Smp Id : AR12483HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1248
Inj Date : 29-MAY-2010 01:32 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR12483HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.57			26123					
2.59			199					
8.08	8.01	8.15	10582	522758	Tetrachloro-m-Xylene	0.020000	518200	
10.01			2614					
10.31			167					
10.47			703					
10.98			429					
11.11			3552					
11.16			4295					
11.30			638					
11.39			196					
11.48			1916					
11.53			1037					
11.63			1672					
11.82			396					
11.92	11.84	11.98	4449	11120	Aroclor-1248 Peak 1	0.400000	11120	
11.97			3850					
12.05			2890					
12.43	12.36	12.50	5968	14920	Aroclor-1248 Peak 2	0.400000	14920	
12.50			2000					
12.63			4254					
12.72			3299					
12.96			1648					
13.11			452					
13.20			4311					
13.30			2178					
13.39	13.32	13.46	8089	20220	Aroclor-1248 Peak 3	0.400000	20220	
13.46			6838					
13.81			5073					
13.89	13.82	13.96	6583	16458	Aroclor-1248 Peak 4	0.400000	16457	
13.96			1985					
14.16			160					
14.28			317					
14.39			2093					
14.49			2431					
14.58			1625					
14.76			4083					
14.96			726					
15.02			1270					
15.15			206					
15.25			263					
15.36	15.29	15.43	4153	10382	Aroclor-1248 Peak 5	0.400000	10383	

AHW
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CompuChem

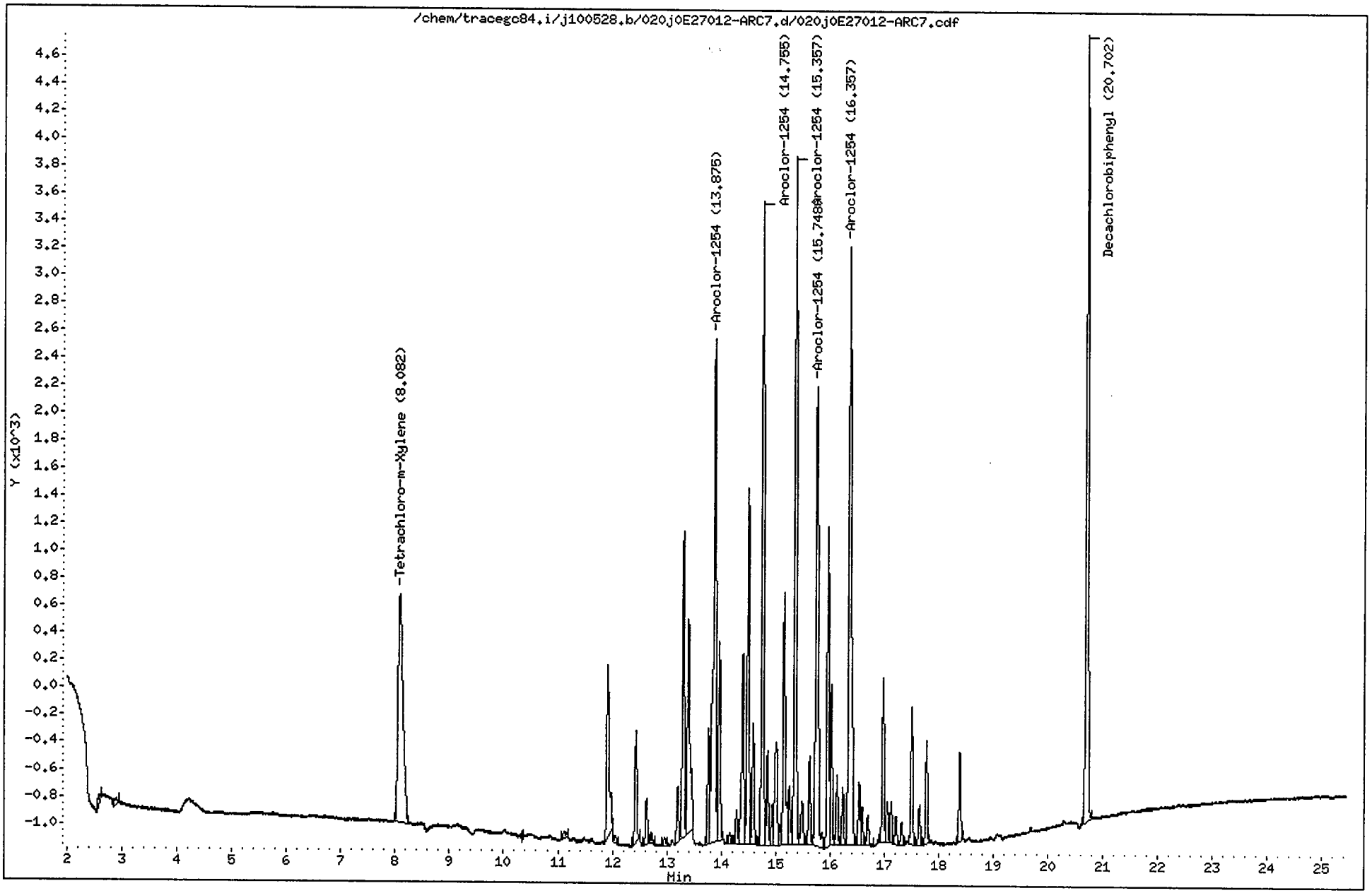
Lab Smp Id : 0E27012-ARC6 Client Smp Id : AR12483HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1248
Inj Date : 29-MAY-2010 01:32 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR12483HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.49		369					
15.75		890					
15.96		3202					
16.36		1104					
16.98		203					
17.50		168					
17.77		204					
20.70	20.63 20.77	15735	408350	Decachlorobiphenyl	0.040000	403000	

Data File: /chem/tracegc84.i/j100528.b/020j0E27012-ARC7.d
Date : 29-MAY-2010 02:01
Client ID: AR12543HA
Sample Info: 0E27012-ARC7
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC7 Client Smp Id : AR12543HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1254
Inj Date : 29-MAY-2010 02:01 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR12543HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.57			3467					
2.60			226					
2.88			166					
8.08	8.01	8.15	10470	522758	Tetrachloro-m-Xylene	0.020000	518200	
11.11			211					
11.91			3962					
12.05			128					
12.43			2100					
12.63			859					
12.72			192					
12.96			157					
13.20			1002					
13.30			5700					
13.39			5431					
13.77			2080					
13.88	13.80	13.94	12324	30808	Aroclor-1254 Peak 1	0.400000	30807	
13.96			3770					
14.16			194					
14.28			607					
14.39			3914					
14.49			6797					
14.58			2204					
14.76	14.69	14.83	11839	29595	Aroclor-1254 Peak 2	0.400000	29595	
14.85			1701					
14.94			672					
15.01			2782					
15.08			305					
15.15			5184					
15.25			1211					
15.36	15.29	15.43	12857	32140	Aroclor-1254 Peak 3	0.400000	32140	
15.49			979					
15.63			1563					
15.75	15.68	15.82	11314	28282	Aroclor-1254 Peak 4	0.400000	28283	
15.96			5720					
16.02			2833					
16.13			1225					
16.23			983					
16.36	16.29	16.43	14550	36372	Aroclor-1254 Peak 5	0.400000	36373	
16.54			1171					
16.59			635					
16.70			560					
16.98			2984					

AHW
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CompuChem

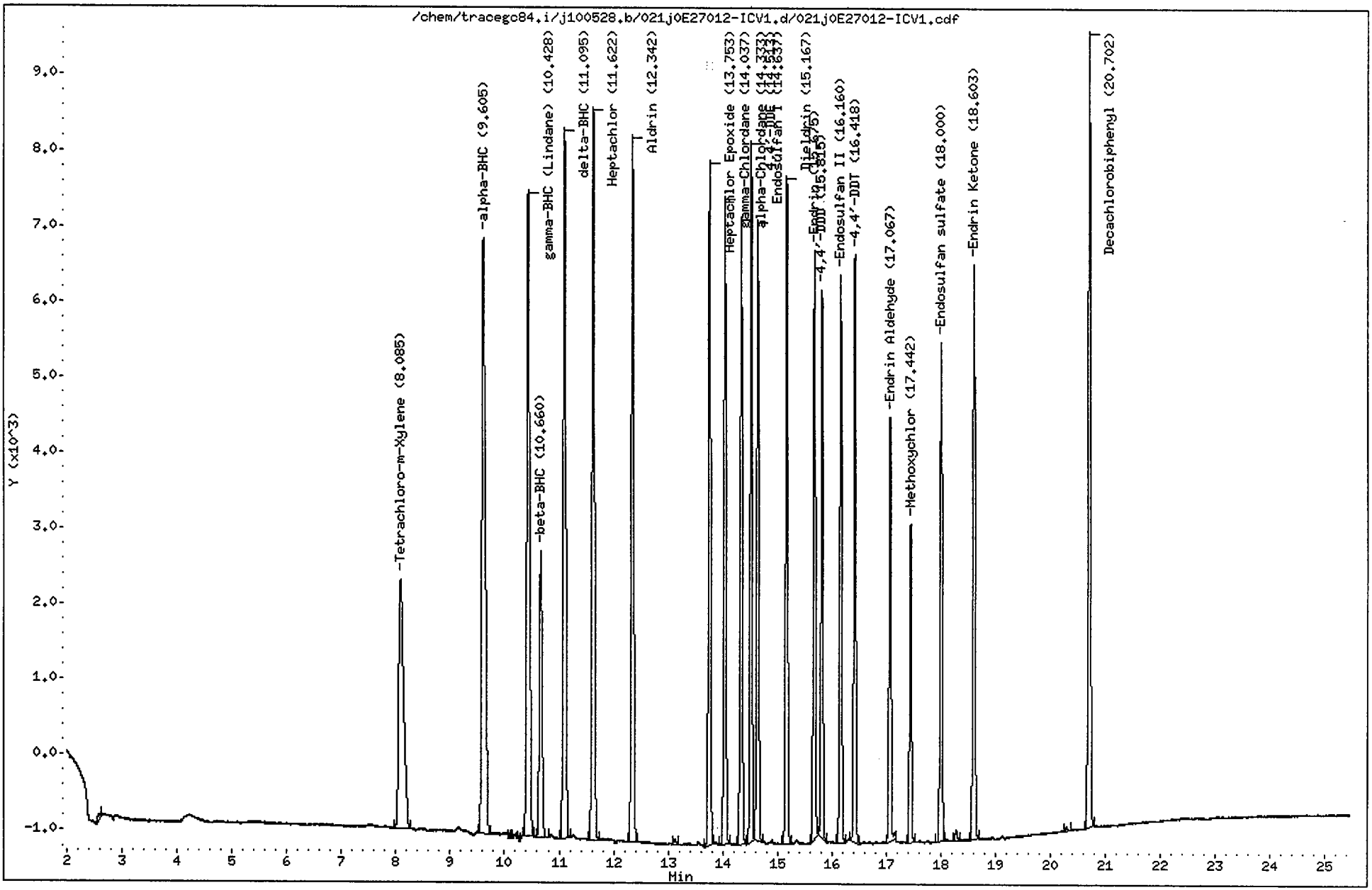
Lab Smp Id : 0E27012-ARC7 Client Smp Id : AR12543HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1254
Inj Date : 29-MAY-2010 02:01 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR12543HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
17.06		685					
17.13		691					
17.21		479					
17.32		400					
17.51		2421					
17.65		710					
17.78		1824					
18.39		1563					
20.70	20.63 20.77	15780	408350	Decachlorobiphenyl	0.040000	403000	

Data File: /chem/tracegc84.i/j100528.b/021j0E27012-ICV1.d
Date : 29-MAY-2010 02:30
Client ID: PESTCHKHA
Sample Info: 0E27012-ICV1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ICV1 Client Smp Id : PESTCHKHA
Sample Type : QCCHECK Sublist : INDA
Inj Date : 29-MAY-2010 02:30 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : INDAchek
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : PESTCHKHA

RT	AREA
1.45	168
1.56	2609
2.59	185
8.09	20838
9.61	33942
10.07	164
10.43	30684
10.66	12917
11.10	30106
11.62	30001
12.34	27087
13.12	178
13.75	24133
14.04	22702
14.33	21763
14.51	22736
14.64	21593
15.17	22758
15.68	19965
15.81	17360
16.16	19654
16.42	18918
17.07	14675
17.44	10202
18.00	17176
18.28	398
18.60	20204
20.29	150
20.70	29005

AHW
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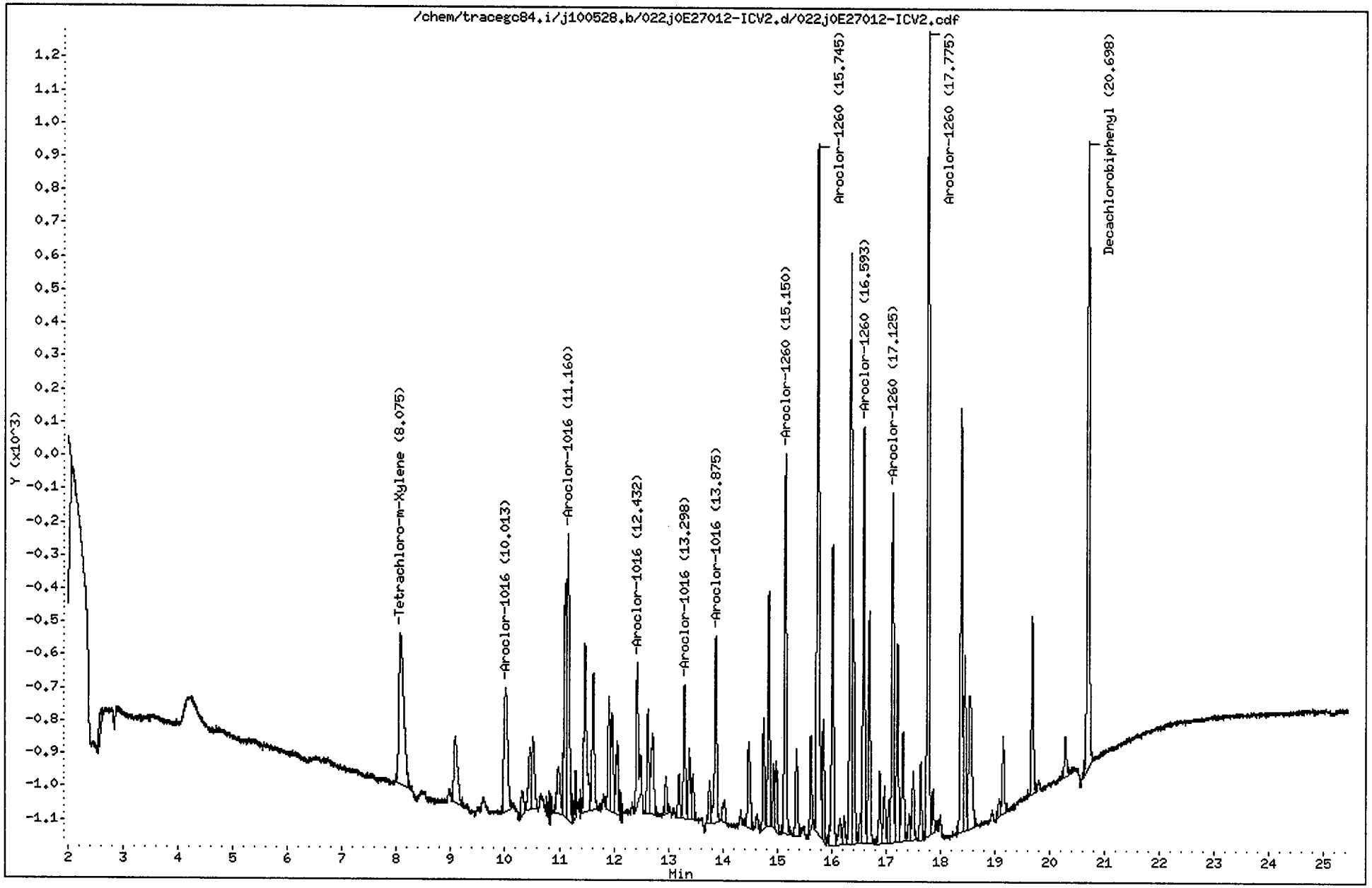
Data File: /chem/tracegc84.i/j100528.b/022j0E27012-ICV2.d
Date : 29-MAY-2010 02:59
Client ID: PCBCHKHA
Sample Info: 0E27012-ICV2
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i
Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ICV2 Client Smp Id : PCBCHKHA
Sample Type : QCCHECK Sublist : AR1660
Inj Date : 29-MAY-2010 02:59 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : AR1660OVchk
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : PCBCHKHA

RT	AREA
1.44	148
1.55	28239
2.61	180
8.07	2833
9.09	935
10.01	1774
10.32	262
10.46	595
10.52	780
10.98	605
11.12	1964
11.16	2804
11.31	251
11.47	1783
11.63	1199
11.91	764
11.97	958
12.06	674
12.43	1335
12.63	810
12.72	939
12.95	279
13.20	338
13.30	1039
13.39	557
13.46	354
13.76	334
13.87	1523
14.00	217
14.48	843
14.75	783
14.85	1665
14.94	433
14.98	491
15.15	2903
15.36	718
15.62	648
15.74	5974
15.85	942
16.02	2326
16.16	291
16.23	215
16.35	4828
16.41	1636
16.54	191

AHW
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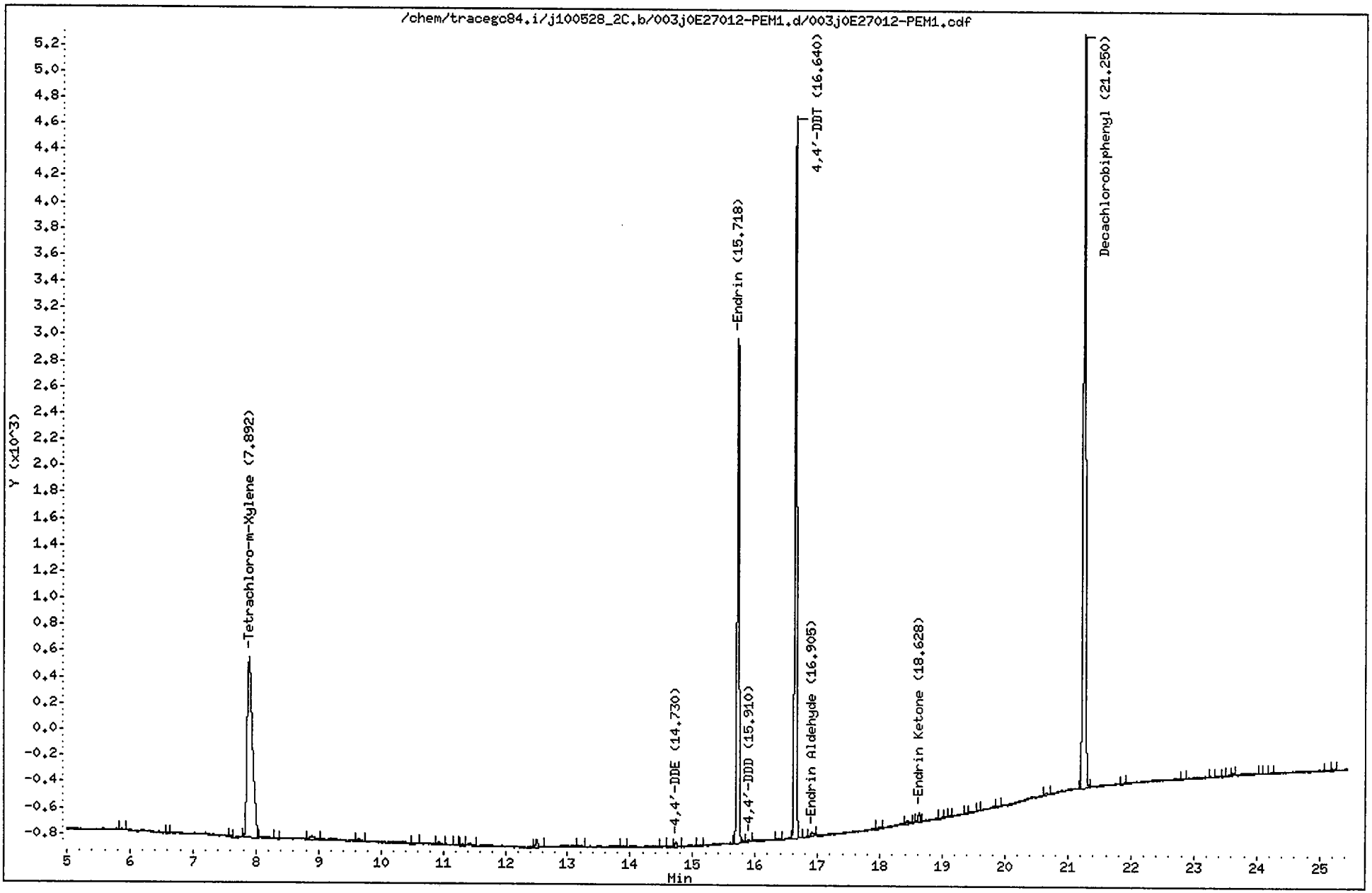
CompuChem

Lab Smp Id : 0E27012-ICV2 Client Smp Id : PCBCHKHA
Sample Type : QCCHECK Sublist : AR1660
Inj Date : 29-MAY-2010 02:59 Inst ID :
Operator : AHW Spike Sublist : AR1660OVchk
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : PCBCHKHA

RT	AREA
16.59	3115
16.70	1706
16.89	547
16.98	453
17.06	313
17.13	2630
17.21	1466
17.32	945
17.43	235
17.50	509
17.64	566
17.77	6042
17.87	287
18.39	3239
18.45	1267
18.54	1739
19.07	133
19.15	605
19.68	1320
20.29	320
20.70	5181

Data File: /chem/tracegc84.i/j100528_2C.b/003j0E27012-PEM1.d
Date : 28-MAY-2010 17:49
Client ID: PEMHA
Sample Info: 0E27012-PEM1
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc84.i
Operator: System
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-PEM1 Client Smp Id : PEMHA
Sample Type : SAMPLE Sublist : PEM
Inj Date : 28-MAY-2010 17:49 Inst ID : TRACEGC84
Operator : System
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : PEMHA

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
0.33			46								
0.39			31								
1.04			46								
1.40			153								
1.54			18183								
1.87			12847								
2.51			425								
2.64			78								
3.38			29								
3.43			32								
3.47			85								
4.40			27								
5.87			29								
6.60			22								
7.59			38								
7.89	7.82	7.96	8163	416798	Tetrachloro-m-Xylene	0.019585	0.019585		98.9	43 - 135	
8.30			22								
8.90			131								
9.64			83								
10.50			31								
10.92			73								
11.19			23								
11.32			29								
11.42			65								
12.50			174								
13.20			44								
13.91			43								
14.52			32								
14.73	14.67	14.81	94	468602	4,4'-DDE	0.000202	0.000202	0.020000			J
15.13			32								
15.72	15.65	15.79	8924	408649	Endrin	0.021839	0.021839	0.020000			
15.91	15.91	16.05	31	340626	4,4'-DDD	0.000090	0.000090	0.020000			J
16.35			38								
16.64	16.57	16.71	11745	405929	4,4'-DDT	0.028933	0.028933	0.020000			
16.90	16.83	16.97	101	316985	Endrin Aldehyde	0.000317	0.000317	0.020000			J
18.02			40								
18.43			82								

AHW
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CompuChem

Lab Smp Id : 0E27012-PEM1 Client Smp Id : PEMHA
Sample Type : SAMPLE Sublist : PEM
Inj Date : 28-MAY-2010 17:49 Inst ID :
Operator : System
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : PEMHA

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
18.63	18.56 18.70	175	419519	Endrin Ketone	0.000416	0.000416	0.020000			J
19.02		24								
19.11		24								
19.38		24								
19.59		21								
19.89		23								
20.65		75								
21.25	21.18 21.32	15537	406698	Decachlorobiphenyl	0.038202	0.038202		96.5	43 - 144	
21.86		24								
22.82		29								
23.27		32								
23.47		21								
23.61		22								
24.05		21								
24.23		24								
25.12		27								
25.21		34								

Data File: /chem/tracegc84.i/j100528_2C.b/004j0E27012-CAL1.d

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Date : 28-MAY-2010 18:18

Client ID: INDC1HA

Instrument: tracegc84.i

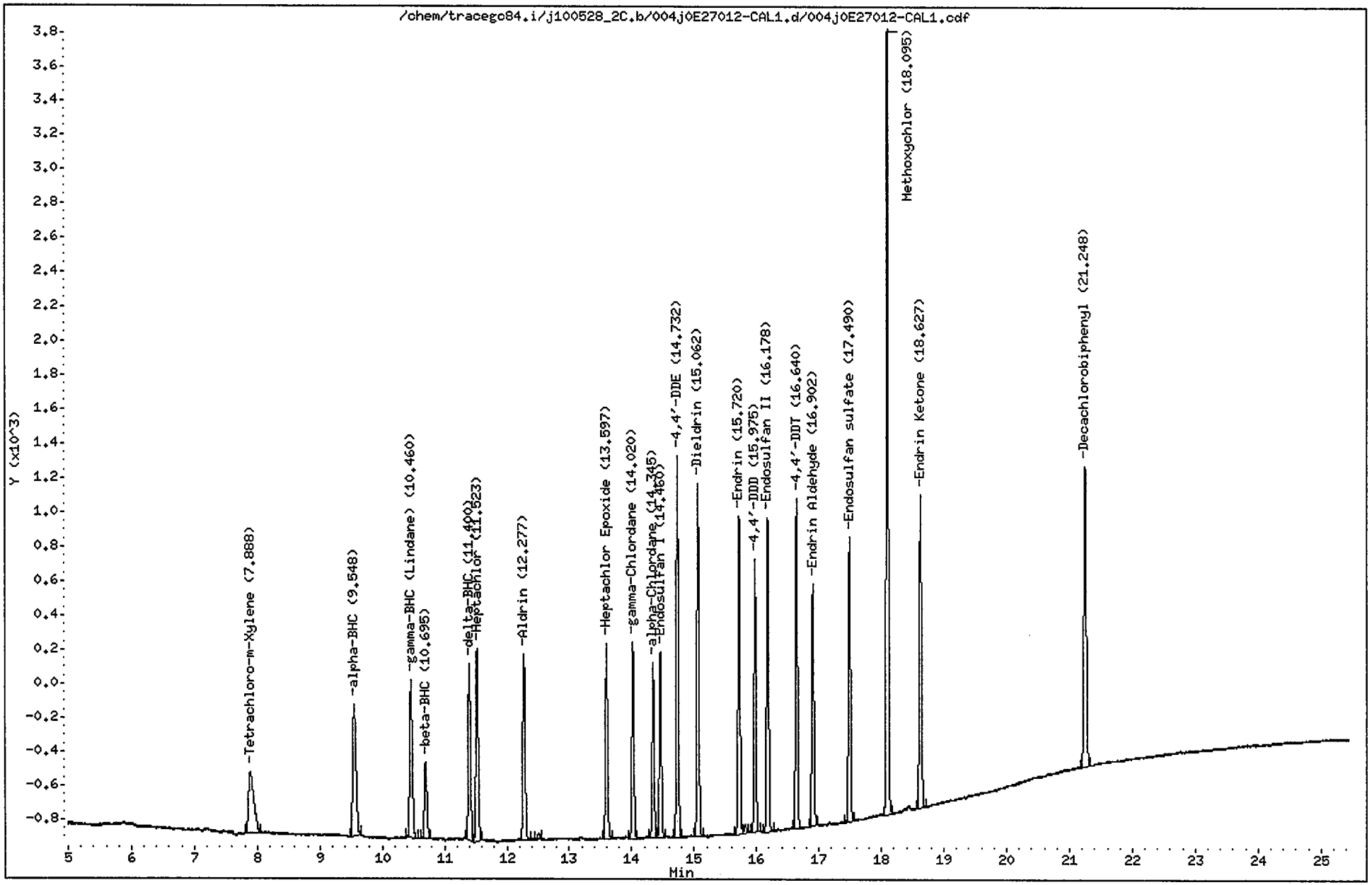
Sample Info: 0E27012-CAL1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL1 Client Smp Id : INDC1HA
Sample Type : INITIAL CAL: Level 1 Sublist : INDA
Inj Date : 28-MAY-2010 18:18 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : INDC1HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.55			166382					
7.89	7.82	7.96	2147	416798	Tetrachloro-m-Xylene	0.005000	429200	
9.55	9.48	9.62	2811	607758	alpha-BHC	0.005000	562000	
10.46	10.39	10.53	2794	585542	gamma-BHC (Lindane)	0.005000	558800	
10.70	10.63	10.77	1258	248610	beta-BHC	0.005000	251400	
11.40	11.33	11.47	2626	551235	delta-BHC	0.005000	525200	
11.52	11.45	11.59	3024	579497	Heptachlor	0.005500	549636	
12.28	12.21	12.35	2716	542192	Aldrin	0.005000	543000	
12.50			97					
13.60	13.53	13.67	2645	511912	Heptachlor Epoxide	0.005000	529000	
14.02	13.95	14.09	2635	513150	gamma-Chlordane	0.005000	526800	
14.34	14.28	14.42	2318	446248	alpha-Chlordane	0.005000	463600	
14.46	14.39	14.53	2487	477982	Endosulfan I	0.005000	497200	
14.73	14.66	14.80	4824	468602	4,4'-DDE	0.010000	482400	
15.06	14.99	15.13	4658	461929	Dieldrin	0.010000	465800	
15.72	15.65	15.79	4218	408649	Endrin	0.010000	421800	
15.82			116					
15.98	15.90	16.04	3337	340626	4,4'-DDD	0.010000	333600	
16.18	16.11	16.25	4221	404930	Endosulfan II	0.010000	422000	
16.64	16.57	16.71	4145	405929	4,4'-DDT	0.010000	414500	
16.90	16.83	16.97	3257	316985	Endrin Aldehyde	0.010000	325700	
17.49	17.42	17.56	3848	366674	Endosulfan sulfate	0.010000	384700	
18.10	18.02	18.16	10091	182916	Methoxychlor	0.050000	201820	
18.63	18.56	18.70	4349	419519	Endrin Ketone	0.010000	434900	
21.25	21.18	21.32	4660	406698	Decachlorobiphenyl	0.010000	466000	

AHW
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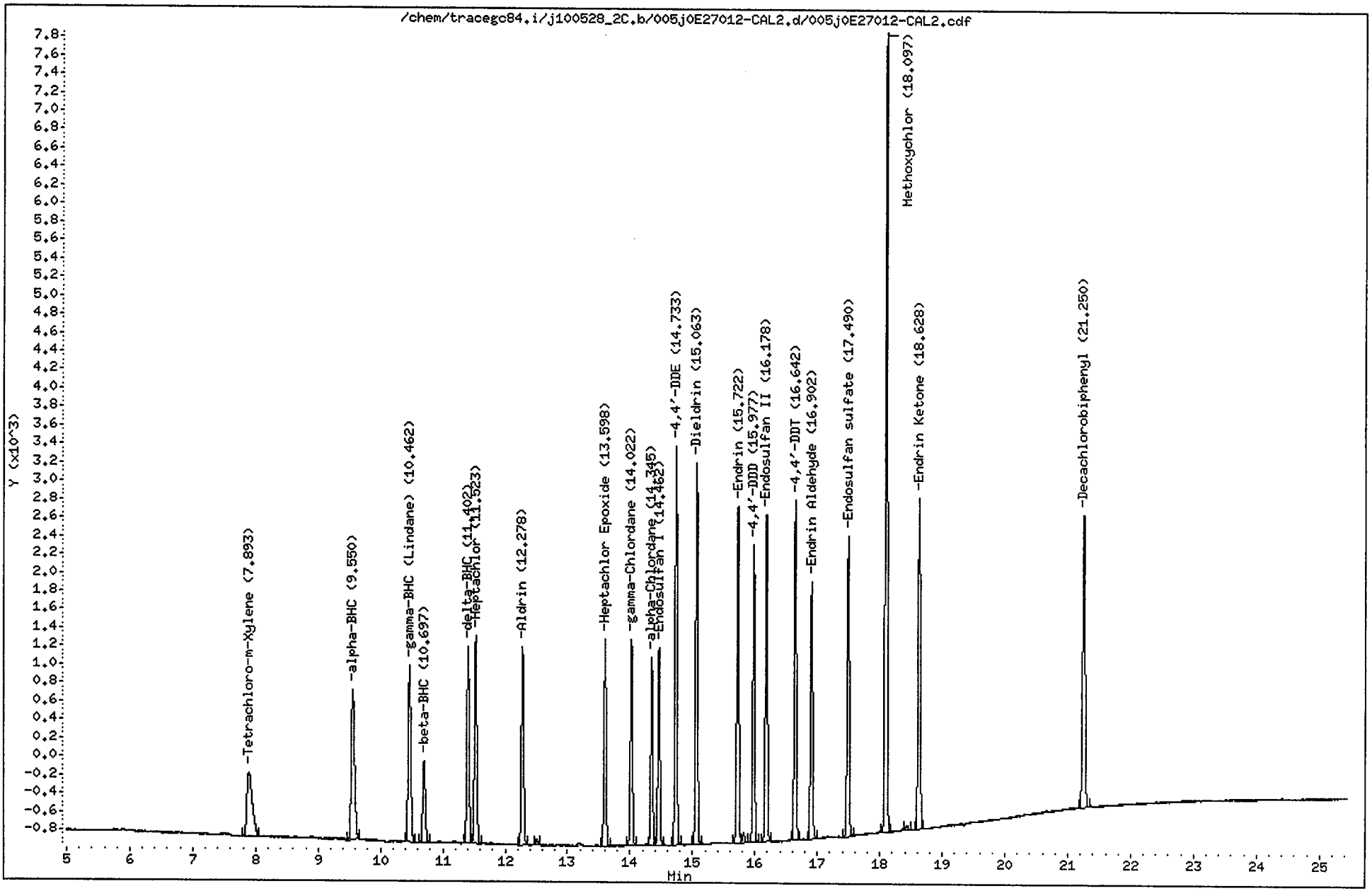
Data File: /chem/tracegc84.i/j100528_2C.b/005j0E27012-CAL2.d
Date : 28-MAY-2010 18:47
Client ID: INDC2HA
Sample Info: 0E27012-CAL2
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL2 Client Smp Id : INDC2HA
Sample Type : INITIAL CAL: Level 2 Sublist : INDA
Inj Date : 28-MAY-2010 18:47 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : INDC2HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.53			2120					
2.52			304					
7.89	7.82	7.96	4247	416798	Tetrachloro-m-Xylene	0.010000	424600	
9.55	9.48	9.62	5894	607758	alpha-BHC	0.010000	589300	
10.46	10.39	10.53	5716	585542	gamma-BHC (Lindane)	0.010000	571500	
10.70	10.63	10.77	2564	248610	beta-BHC	0.010000	256400	
11.40	11.33	11.47	5349	551235	delta-BHC	0.010000	534800	
11.52	11.45	11.59	5947	579497	Heptachlor	0.010000	594700	
12.28	12.21	12.35	5435	542192	Aldrin	0.010000	543500	
12.50			161					
13.60	13.53	13.67	5194	511912	Heptachlor Epoxide	0.010000	519400	
14.02	13.95	14.09	5210	513150	gamma-Chlordane	0.010000	521000	
14.34	14.28	14.42	4548	446248	alpha-Chlordane	0.010000	454800	
14.46	14.39	14.53	4888	477982	Endosulfan I	0.010000	488700	
14.73	14.66	14.80	9552	468602	4,4'-DDE	0.020000	477550	
15.06	14.99	15.13	9337	461929	Dieldrin	0.020000	466850	
15.72	15.65	15.79	8306	408649	Endrin	0.020000	415300	
15.82			244					
15.98	15.90	16.04	6800	340626	4,4'-DDD	0.020000	340000	
16.18	16.11	16.25	8219	404930	Endosulfan II	0.020000	410950	
16.64	16.57	16.71	8173	405929	4,4'-DDT	0.020000	408650	
16.90	16.83	16.97	6539	316985	Endrin Aldehyde	0.020000	326950	
17.49	17.42	17.56	7594	366674	Endosulfan sulfate	0.020000	379650	
18.10	18.02	18.16	19317	182916	Methoxychlor	0.100000	193160	
18.43			117					
18.63	18.56	18.70	8591	419519	Endrin Ketone	0.020000	429550	
21.25	21.18	21.32	8657	406698	Decachlorobiphenyl	0.020000	432800	

AHW
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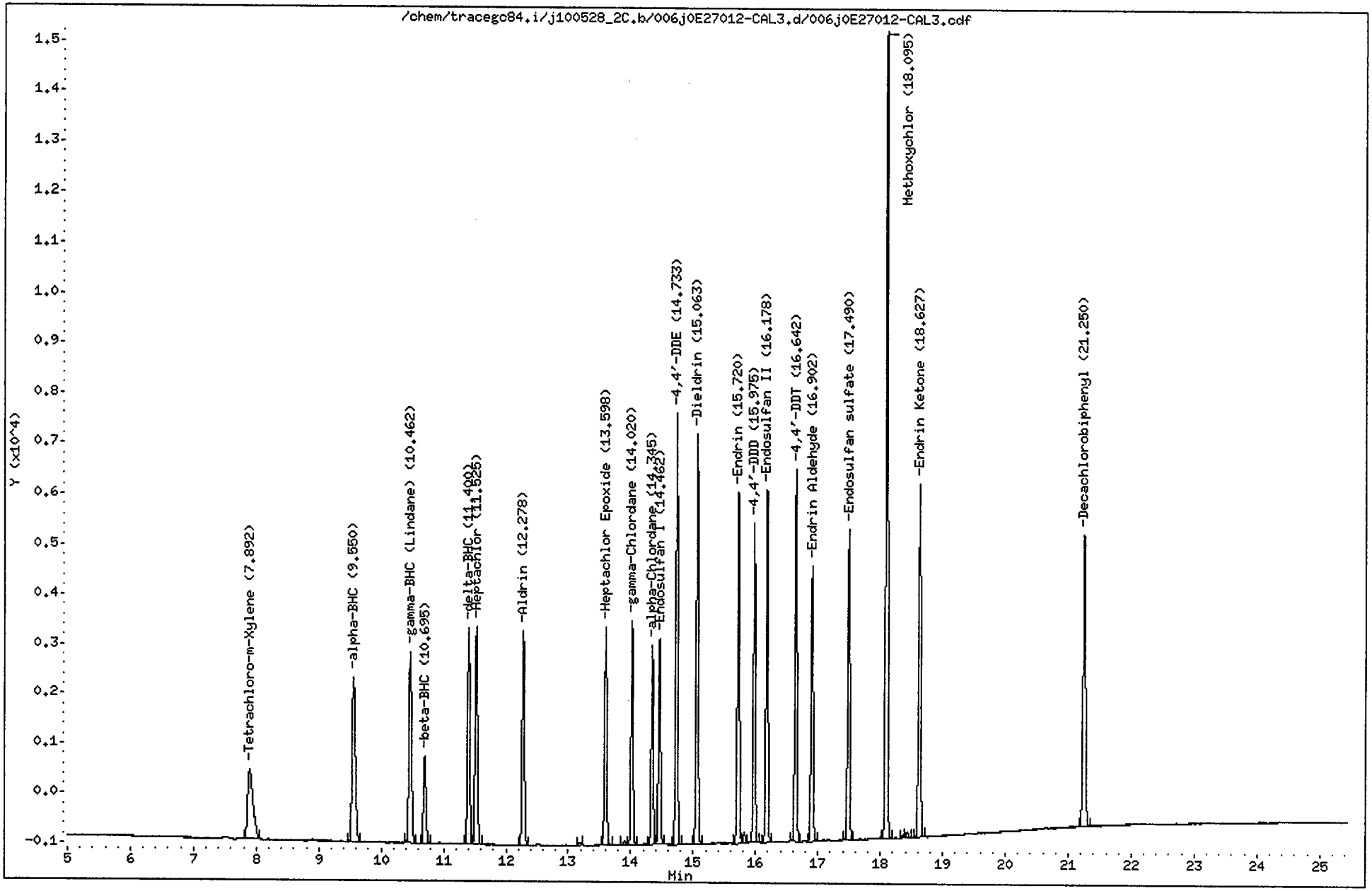
Data File: /chem/tracegc84.i/j100528_2C.b/006j0E27012-CAL3.d
Date : 28-MAY-2010 19:16
Client ID: INDC3HA
Sample Info: 0E27012-CAL3
Volume Injected (uL): 1.0
Column phase: olpest2

Instrument: tracegc84.i
Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL3 Client Smp Id : INDC3HA
Sample Type : INITIAL CAL: Level 3 Sublist : INDA
Inj Date : 28-MAY-2010 19:16 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.55			9200					
7.89	7.82	7.96	8217	416798	Tetrachloro-m-Xylene	0.020000	410850	
9.55	9.48	9.62	12016	607758	alpha-BHC	0.020000	600750	
10.46	10.39	10.53	11630	585542	gamma-BHC (Lindane)	0.020000	581500	
10.70	10.63	10.77	4934	248610	beta-BHC	0.020000	246700	
11.40	11.33	11.47	10892	551235	delta-BHC	0.020000	544550	
11.52	11.45	11.59	11696	579497	Heptachlor	0.020000	584800	
12.28	12.21	12.35	10756	542192	Aldrin	0.020000	537750	
13.19			100					
13.60	13.53	13.67	10199	511912	Heptachlor Epoxide	0.020000	509950	
13.90			176					
14.02	13.95	14.09	10171	513150	gamma-Chlordane	0.020000	508500	
14.34	14.28	14.42	8836	446248	alpha-Chlordane	0.020000	441750	
14.46	14.39	14.53	9497	477982	Endosulfan I	0.020000	474850	
14.73	14.66	14.80	18602	468602	4,4'-DDE	0.040000	465050	
15.06	14.99	15.13	18401	461929	Dieldrin	0.040000	460025	
15.72	15.65	15.79	16199	408649	Endrin	0.040000	404950	
15.82			464					
15.98	15.90	16.04	13584	340626	4,4'-DDD	0.040000	339575	
16.18	16.11	16.25	16125	404930	Endosulfan II	0.040000	403100	
16.64	16.57	16.71	16039	405929	4,4'-DDT	0.040000	400975	
16.90	16.83	16.97	12919	316985	Endrin Aldehyde	0.040000	322975	
17.49	17.42	17.56	14549	366674	Endosulfan sulfate	0.040000	363725	
18.10	18.02	18.16	36356	182916	Methoxychlor	0.200000	181780	
18.37			120					
18.44			273					
18.63	18.56	18.70	16766	419519	Endrin Ketone	0.040000	419150	
21.25	21.18	21.32	16045	406698	Decachlorobiphenyl	0.040000	401125	

AHW
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Data File: /chem/tracegc84.i/j100528_2C.b/007j0E27012-CAL4.d

Date : 28-MAY-2010 19:45

Client ID: INDC4HA

Sample Info: 0E27012-CAL4

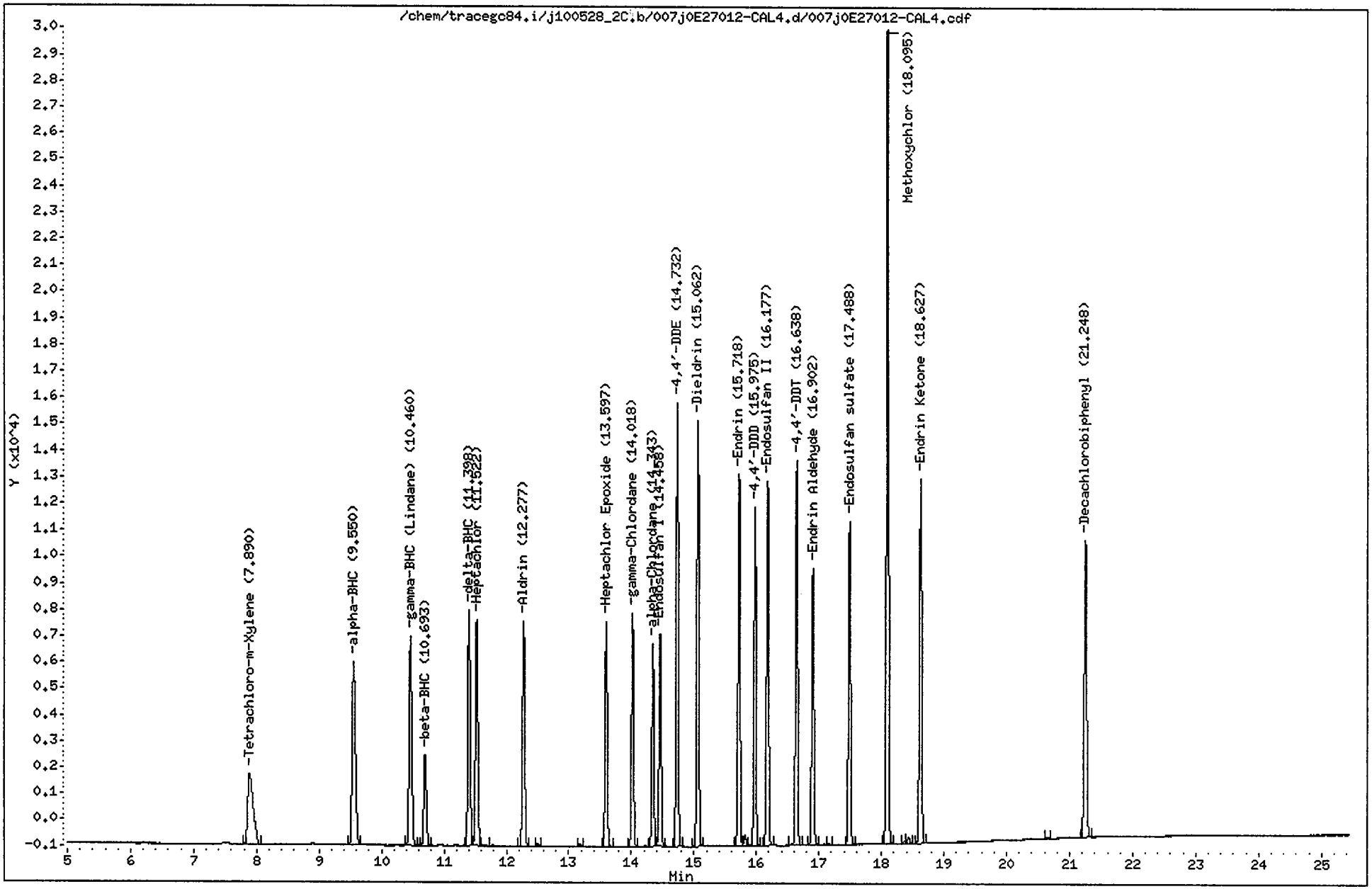
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL4 Client Smp Id : INDC4HA
Sample Type : INITIAL CAL: Level 4 Sublist : INDA
Inj Date : 28-MAY-2010 19:45 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : INDC4HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.53			1592					
1.89			111					
7.89	7.82	7.96	16462	416798	Tetrachloro-m-Xylene	0.040000	411550	
9.55	9.48	9.62	25250	607758	alpha-BHC	0.040000	631250	
10.46	10.39	10.53	24030	585542	gamma-BHC (Lindane)	0.040000	600750	
10.69	10.63	10.77	9831	248610	beta-BHC	0.040000	245775	
11.40	11.33	11.47	22708	551235	delta-BHC	0.040000	567700	
11.52	11.45	11.59	23390	579497	Heptachlor	0.040000	584750	
11.65			96					
12.28	12.21	12.35	21683	542192	Aldrin	0.040000	542075	
12.51			211					
13.18			211					
13.60	13.53	13.67	20154	511912	Heptachlor Epoxide	0.040000	503825	
14.02	13.95	14.09	20242	513150	gamma-Chlordane	0.040000	506025	
14.34	14.28	14.42	17517	446248	alpha-Chlordane	0.040000	437925	
14.46	14.39	14.53	18759	477982	Endosulfan I	0.040000	468950	
14.73	14.66	14.80	36881	468602	4,4'-DDE	0.080000	461000	
15.06	14.99	15.13	36815	461929	Dieldrin	0.080000	460187	
15.72	15.65	15.79	32210	408649	Endrin	0.080000	402613	
15.81			989					
15.90			118					
15.98	15.90	16.04	27530	340626	4,4'-DDD	0.080000	344113	
16.18	16.11	16.25	31797	404930	Endosulfan II	0.080000	397450	
16.64	16.57	16.71	32317	405929	4,4'-DDT	0.080000	403963	
16.90	16.83	16.97	24671	316985	Endrin Aldehyde	0.080000	308375	
17.16			112					
17.49	17.42	17.56	28535	366674	Endosulfan sulfate	0.080000	356675	
18.10	18.02	18.16	69200	182916	Methoxychlor	0.400000	172997	
18.37			235					
18.43			514					
18.63	18.56	18.70	32900	419519	Endrin Ketone	0.080000	411237	
20.65			108					
21.25	21.18	21.32	30128	406698	Decachlorobiphenyl	0.080000	376587	

AHW
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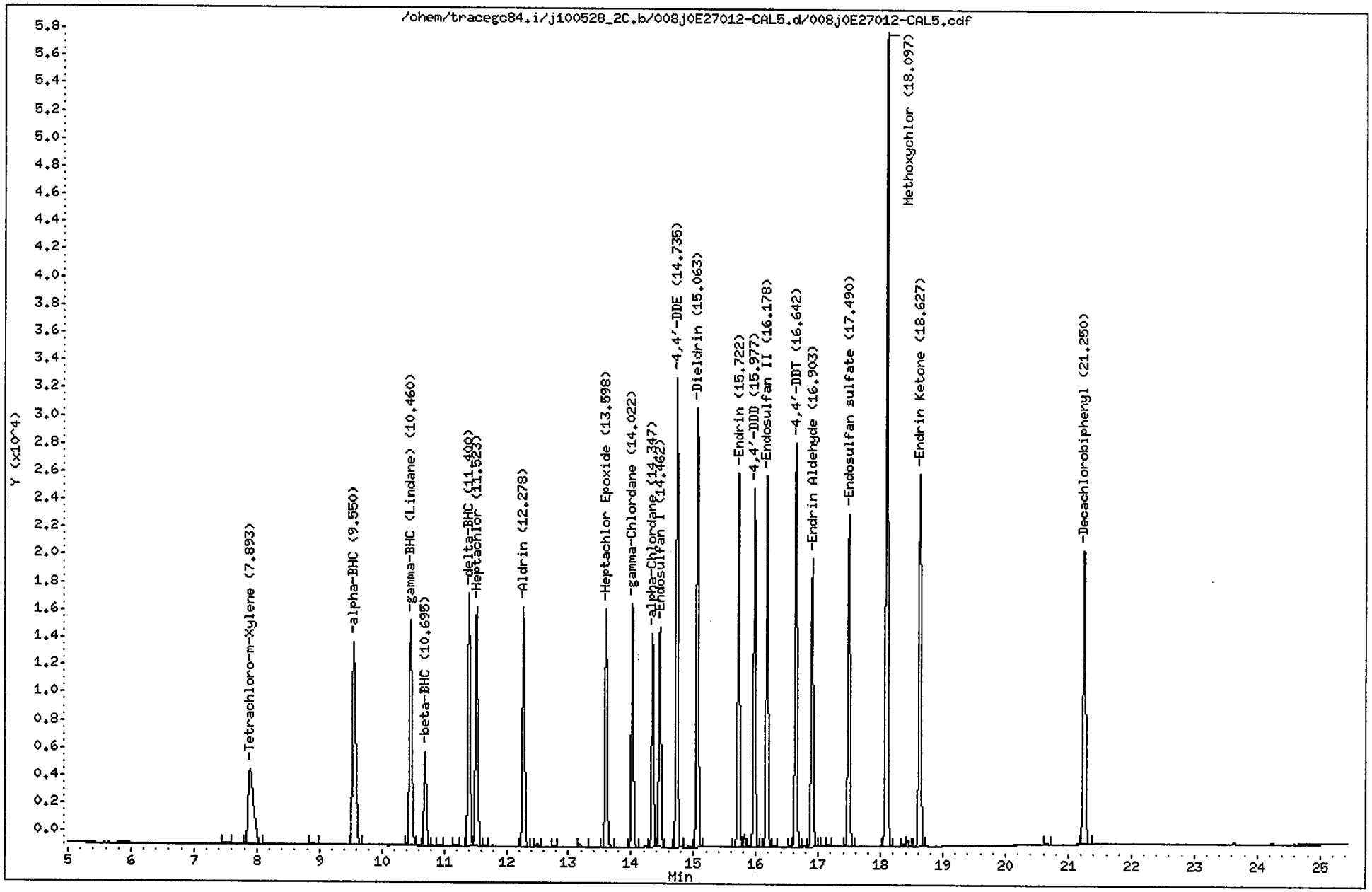
Data File: /chem/tracegc84.i/j100528_2C.b/008j0E27012-CAL5.d
Date : 28-MAY-2010 20:14
Client ID: INDC5HA
Sample Info: 0E27012-CAL5
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL5 Client Smp Id : INDC5HA
Sample Type : INITIAL CAL: Level 5 Sublist : INDA
Inj Date : 28-MAY-2010 20:14 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : INDC5HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.54			2486					
2.53			230					
7.51			428					
7.89	7.82	7.96	32623	416798	Tetrachloro-m-Xylene	0.080000	407787	
8.90			328					
9.55	9.48	9.62	52439	607758	alpha-BHC	0.080000	655487	
10.46	10.39	10.53	49213	585542	gamma-BHC (Lindane)	0.080000	615163	
10.70	10.63	10.77	19423	248610	beta-BHC	0.080000	242775	
10.93			190					
11.19			147					
11.40	11.33	11.47	46715	551235	delta-BHC	0.080000	583925	
11.52	11.45	11.59	46688	579497	Heptachlor	0.080000	583600	
11.65			184					
12.28	12.21	12.35	43572	542192	Aldrin	0.080000	544637	
12.50			437					
12.77			133					
13.19			519					
13.60	13.53	13.67	39791	511912	Heptachlor Epoxide	0.080000	497387	
14.02	13.95	14.09	40275	513150	gamma-Chlordane	0.080000	503425	
14.35	14.28	14.42	34653	446248	alpha-Chlordane	0.080000	433163	
14.46	14.39	14.53	36817	477982	Endosulfan I	0.080000	460213	
14.74	14.66	14.80	73122	468602	4,4'-DDE	0.160000	457013	
15.06	14.99	15.13	73085	461929	Dieldrin	0.160000	456781	
15.72	15.65	15.79	63773	408649	Endrin	0.160000	398581	
15.82			1952					
15.91			219					
15.98	15.90	16.04	55335	340626	4,4'-DDD	0.160000	345844	
16.18	16.11	16.25	62585	404930	Endosulfan II	0.160000	391150	
16.30			151					
16.58			211					
16.64	16.57	16.71	64250	405929	4,4'-DDT	0.160000	401556	
16.90	16.83	16.97	48148	316985	Endrin Aldehyde	0.160000	300925	
17.09			129					
17.16			257					
17.49	17.42	17.56	55780	366674	Endosulfan sulfate	0.160000	348619	
18.10	18.02	18.16	131857	182916	Methoxychlor	0.800000	164821	
18.37			461					
18.43			964					
18.63	18.56	18.70	64442	419519	Endrin Ketone	0.160000	402756	
20.65			203					
21.25	21.18	21.32	57117	406698	Decachlorobiphenyl	0.160000	356975	

AHW
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Data File: /chem/tracegc84.i/j100528_2C.b/009j0E27012-ARC1.d

Date : 28-MAY-2010 20:43

Client ID: TOXAPH3HA

Sample Info: 0E27012-ARC1

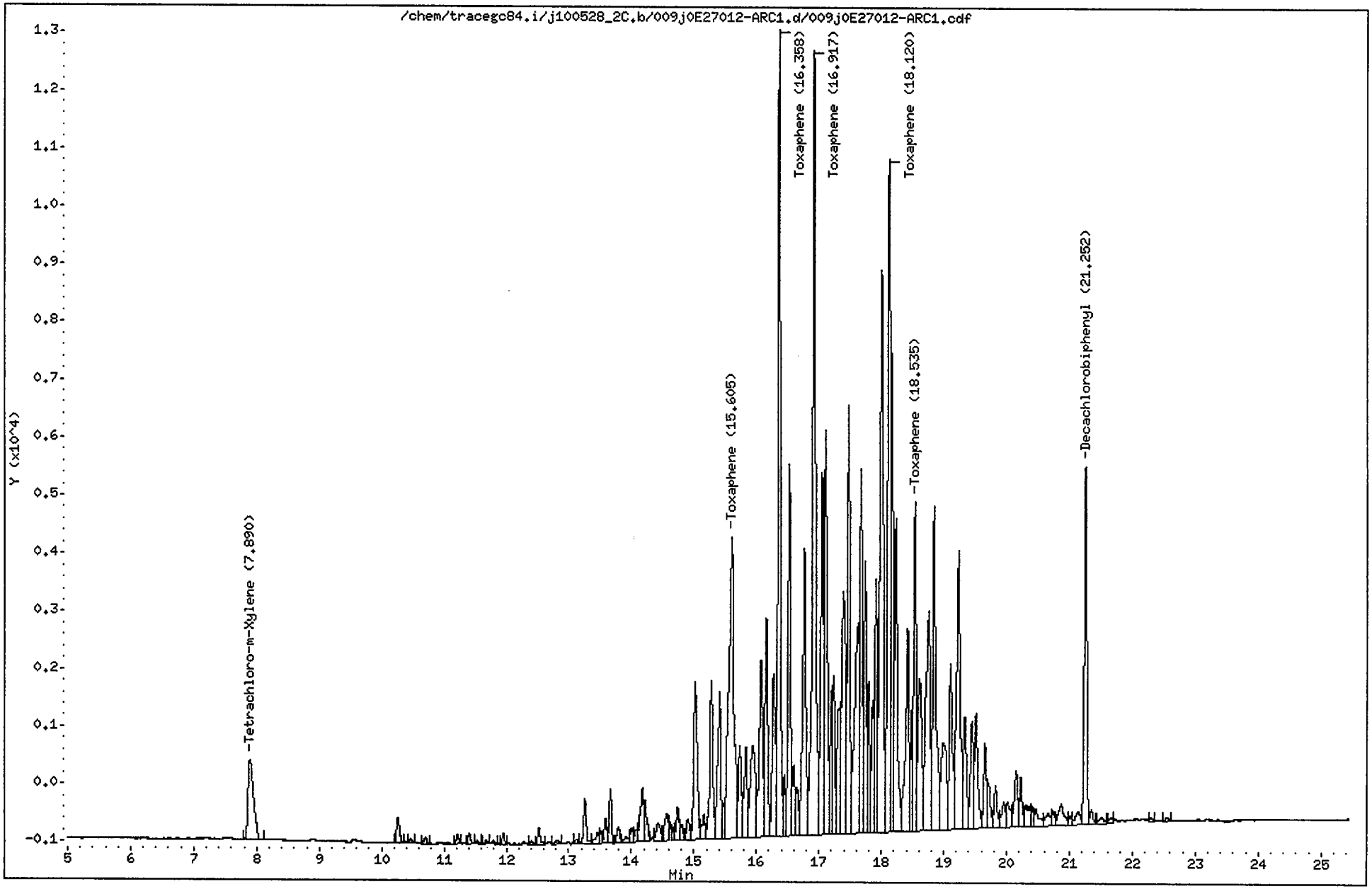
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC1 Client Smp Id : TOXAPH3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 28-MAY-2010 20:43 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : TOXAPH3HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.54			7141					
1.88			103					
7.89	7.82	7.96	8419	416798	Tetrachloro-m-Xylene	0.020000	410850	2M
10.26			1459					
10.46			208					
10.70			299					
11.22			459					
11.40			512					
11.53			145					
11.68			167					
11.80			188					
11.95			441					
12.41			151					
12.52			803					
12.82			207					
13.12			237					
13.26			2432					
13.46			686					
13.51			498					
13.58			1233					
13.67			2283					
13.79			843					
13.93			392					
14.00			788					
14.08			617					
14.18			3565					
14.22			2095					
14.43			1563					
14.57			1798					
14.68			525					
14.74			1804					
14.80			660					
14.90			1187					
15.02			10695					
15.16			1578					
15.28			9239					
15.41			9242					
15.47			1294					
15.60	15.54	15.68	30398	15199	Toxaphene Peak 1	2.000000	15199	
15.73			5274					
15.83			5640					
15.94			9231					

RW 6/1/10

AHW 6/1/10

CompuChem

Lab Smp Id : 0E27012-ARC1 Client Smp Id : TOXAPH3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 28-MAY-2010 20:43 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : TOXAPH3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
16.07		11864					
16.16		11950					
16.27		9340					
16.36	16.29 16.43	37653	18826	Toxaphene Peak 2	2.000000	18827	
16.45		2790					
16.52		17354					
16.59		3610					
16.65		2401					
16.76		17971					
16.92	16.85 16.99	46567	23283	Toxaphene Peak 3	2.000000	23283	
17.05		17007					
17.10		23225					
17.20		5819					
17.23		6986					
17.32		8912					
17.39		17609					
17.47		20639					
17.62		17534					
17.67		17677					
17.74		12771					
17.79		6644					
17.86		5732					
17.91		11742					
18.00		38256					
18.12	18.05 18.19	38153	19076	Toxaphene Peak 4	2.000000	19077	
18.16		19458					
18.23		17062					
18.42		13115					
18.49		4584					
18.54	18.47 18.61	15591	7795	Toxaphene Peak 5	2.000000	7795.000	
18.61		11386					
18.75		18785					
18.84		19732					
18.99		9439					
19.11		9966					
19.23		20826					
19.34		6962					
19.45		6510					
19.51		6983					
19.66		4758					
19.72		2518					
19.82		2516					

ZM

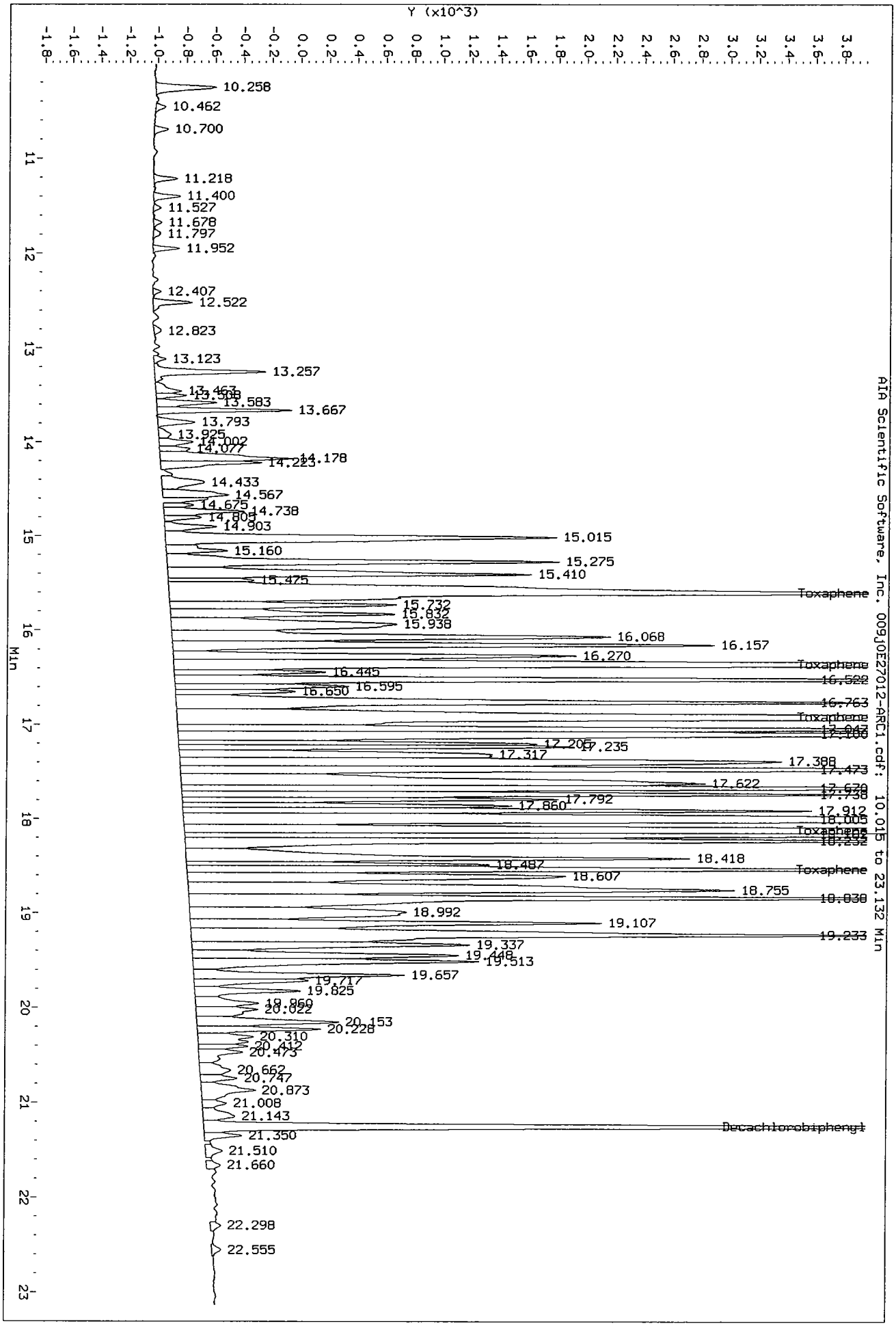
pm 6/1/10

AHW 6/1/10

CompuChem

Lab Smp Id : 0E27012-ARC1 Client Smp Id : TOXAPH3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 28-MAY-2010 20:43 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : TOXAPH3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
19.96		1913					
20.02		2121					
20.15		3656					
20.23		2488					
20.31		2130					
20.41		943					
20.47		1540					
20.66		1218					
20.75		865					
20.87		2317					
21.01		628					
21.14		1203					
21.25	21.18 21.32	17006	406698	Decachlorobiphenyl	0.040000	401125	
21.35		825					
21.51		591					
21.66		386					
22.30		288					
22.55		264					


Data File: /chem/tracegc84.i/j100528_2C.b/009j0E27012-ARC1.d/009j0E27012-ARC1.cdf
Injection Date: 28-MAY-2010 20:43
Instrument: tracegc84.i
Client Sample ID: TOXAPH3HA
Y (x10^3)
Min
AIA Scientific Software, Inc. 009j0E27012-ARC1.cdf: 10.015 to 23.132 Min
10.258
10.462
10.700
11.218
11.400
11.527
11.678
11.797
11.952
12.407
12.522
12.823
13.123
13.257
13.583
13.667
13.793
13.925
14.077
14.178
14.223
14.433
14.567
14.675
14.738
14.805
14.903
15.015
15.160
15.275
15.410
15.475
Toxaphene
15.732
15.832
15.938
16.068
16.157
16.270
Toxaphene
16.445
16.522
16.595
16.650
16.763
Toxaphene
17.205
17.235
17.317
17.388
17.473
17.622
17.670
17.738
17.792
17.860
17.912
18.005
Toxaphene
18.418
18.487
Toxaphene
18.607
18.755
18.838
18.992
19.107
19.233
19.337
19.448
19.513
19.657
19.717
19.825
19.869
20.022
20.153
20.228
20.310
20.412
20.473
20.662
20.747
20.873
21.008
21.143
Decachlorobiphenyl
21.350
21.510
21.660
22.298
22.555

Data File: /chem/tracegc84.i/j100528_2C.b/010j0E27012-ARC2.d

Date : 28-MAY-2010 21:11

Client ID: CHLORO3HA

Sample Info: 0E27012-ARC2

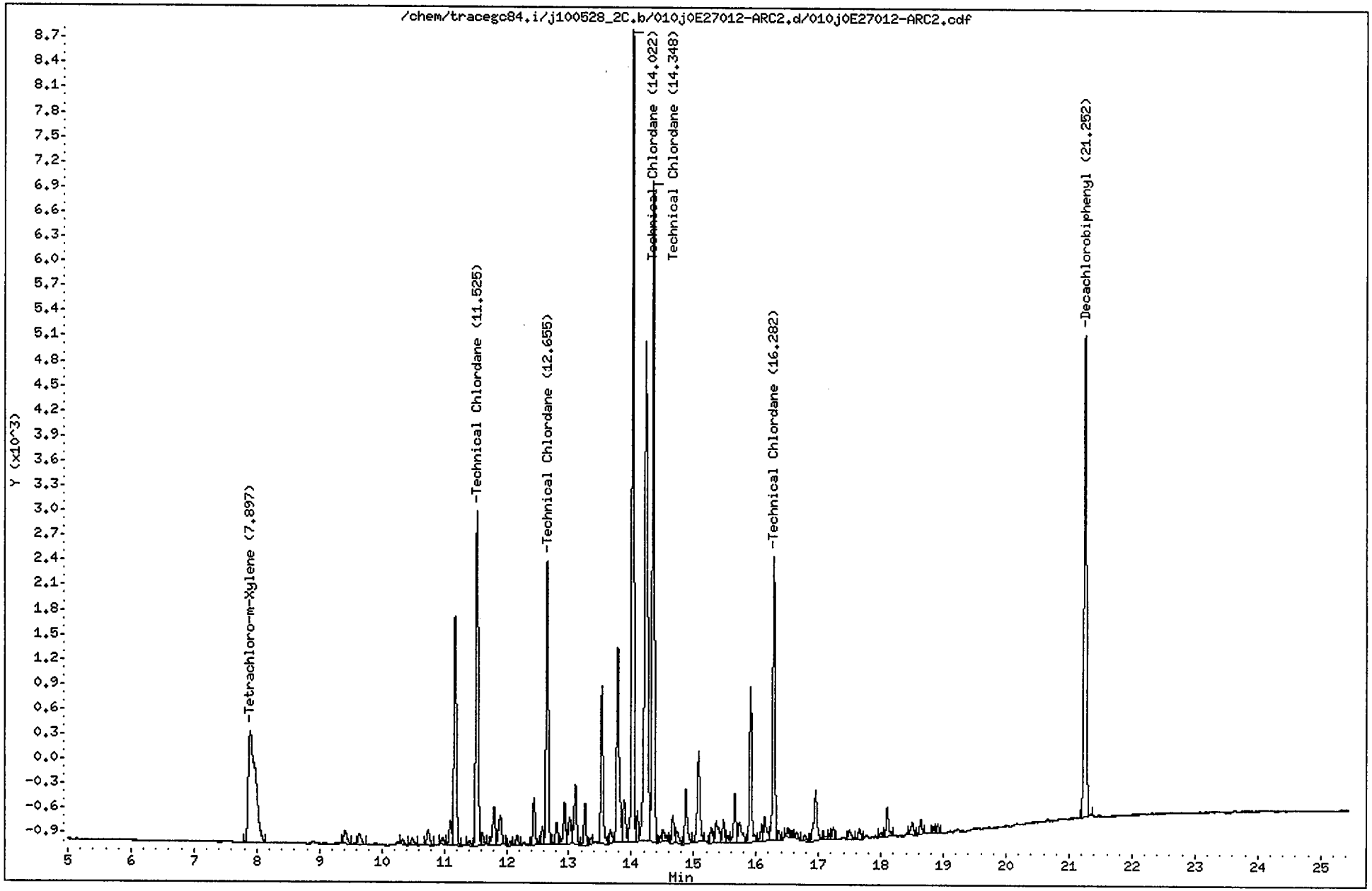
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC2 Client Smp Id : CHLORO3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TechChlor
Inj Date : 28-MAY-2010 21:11 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : CHLORO3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.52		1208					
7.90	7.82 7.96	10799	416798	Tetrachloro-m-Xylene	0.020000	410850	
9.41		627					
9.63		460					
10.33		192					
10.49		291					
10.74		612					
10.98		235					
11.10		779					
11.18		7819					
11.40		188					
11.52	11.46 11.60	10759	26895	TechnicalChlordane Peak 1	0.400000	26895	
11.62		380					
11.80		1393					
11.90		1280					
12.06		152					
12.17		354					
12.44		1488					
12.58		530					
12.66	12.58 12.72	8347	20865	TechnicalChlordane Peak 2	0.400000	20865	
12.80		718					
12.93		1360					
13.02		1016					
13.11		2155					
13.26		1194					
13.36		184					
13.53		4593					
13.67		449					
13.78		6784					
13.89		1588					
14.02	13.95 14.09	23201	58000	TechnicalChlordane Peak 3	0.400000	58000	
14.10		804					
14.23		20520					
14.35	14.28 14.42	19246	48115	TechnicalChlordane Peak 4	0.400000	48115	
14.47		140					
14.52		390					
14.66		840					
14.73		531					
14.87		1756					
15.08		3297					
15.28		531					
15.36		1061					

AHW
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CompuChem

Lab Smp Id : 0E27012-ARC2 Client Smp Id : CHLORO3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TechChlor
Inj Date : 28-MAY-2010 21:11 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : CHLORO3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.47		663					
15.55		232					
15.65		1543					
15.73		1046					
15.91		4569					
16.09		479					
16.14		918					
16.28	16.21 16.35	8118	20295	TechnicalChlordane Peak 5	0.400000	20295	
16.36		246					
16.51		238					
16.57		147					
16.65		231					
16.78		238					
16.95		2088					
17.11		108					
17.18		157					
17.24		376					
17.49		360					
17.66		357					
18.00		156					
18.10		1006					
18.50		496					
18.64		491					
18.84		214					
18.91		270					
21.25	21.18 21.32	15618	406698	Decachlorobiphenyl	0.040000	401125	

Data File: /chem/tracegc84.i/j100528_2C.b/011j0E27012-CAL6.d

Date : 28-MAY-2010 21:40

Client ID: AR16601HA

Sample Info: 0E27012-CAL6

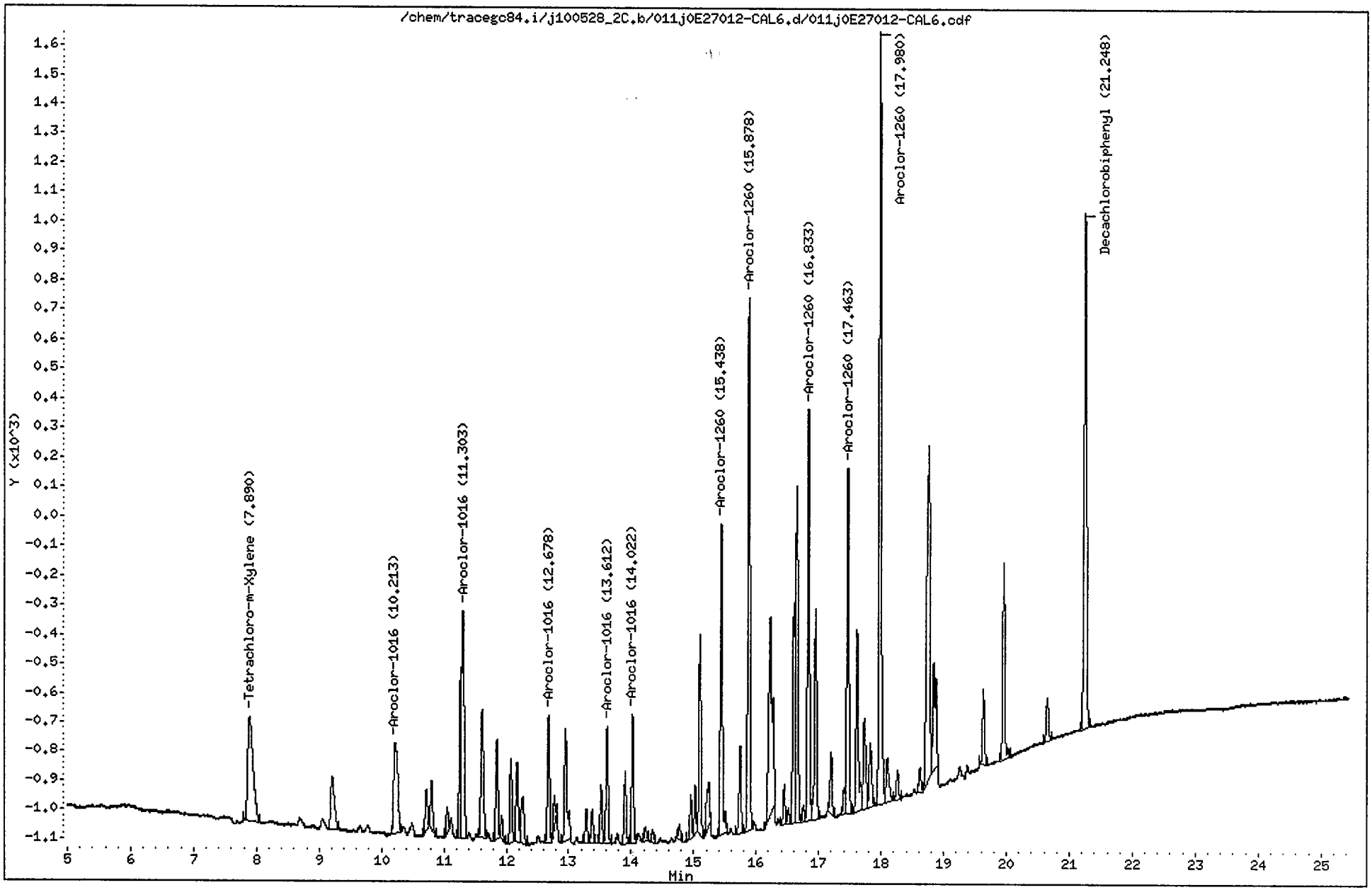
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL6 Client Smp Id : AR16601HA
Sample Type : INITIAL CAL: Level 1 Sublist : AR1660
Inj Date : 28-MAY-2010 21:40 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16601HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.54			5903					
2.52			95					
7.89	7.82	7.96	2127	416798	Tetrachloro-m-Xylene	0.005000	429200	
9.21			739					
10.21	10.15	10.29	1416	12953	Aroclor-1016 Peak 1	0.100000	14160	
10.72			357					
10.80			453					
11.05			191					
11.27			1078					
11.30	11.24	11.38	2281	19854	Aroclor-1016 Peak 2	0.100000	22810	
11.61			1266					
11.85			807					
11.93			172					
12.07			680					
12.17			716					
12.27			559					
12.68	12.61	12.75	1029	9041	Aroclor-1016 Peak 3	0.100000	10280	
12.77			225					
12.95			1134					
13.28			274					
13.37			255					
13.52			442					
13.61	13.55	13.69	959	8370	Aroclor-1016 Peak 4	0.100000	9590.000	
13.90			548					
14.02	13.96	14.10	995	7947	Aroclor-1016 Peak 5	0.100000	9950.000	
14.23			122					
14.34			101					
14.78			121					
14.95			306					
15.02			339					
15.10			1508					
15.21			533					
15.44	15.37	15.51	2507	21225	Aroclor-1260 Peak 1	0.100000	25070	
15.74			718					
15.88	15.81	15.95	4092	36050	Aroclor-1260 Peak 2	0.100000	40920	
16.23			2808					
16.45			292					
16.52			114					
16.60			1681					
16.64			2978					
16.75			124					
16.83	16.77	16.91	3170	28288	Aroclor-1260 Peak 3	0.100000	31690	

AHW
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CompuChem

Lab Smp Id : 0E27012-CAL6 Client Smp Id : AR16601HA
Sample Type : INITIAL CAL: Level 1 Sublist : AR1660
Inj Date : 28-MAY-2010 21:40 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16601HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
16.95		1715					
17.20		482					
17.41		180					
17.46	17.39 17.53	2764	23788	Aroclor-1260 Peak 4	0.100000	27640	
17.61		1601					
17.73		912					
17.82		581					
17.98	17.91 18.05	6255	56438	Aroclor-1260 Peak 5	0.100000	62550	
18.10		488					
18.27		243					
18.62		191					
18.76		3996					
18.84		1325					
19.64		598					
19.95		1582					
20.65		370					
21.25	21.18 21.32	4742	406698	Decachlorobiphenyl	0.010000	466000	

Data File: /chem/tracegc84.i/j100528_2C.b/012j0E27012-CAL7.d

Date : 28-MAY-2010 22:10

Client ID: AR16602HA

Sample Info: 0E27012-CAL7

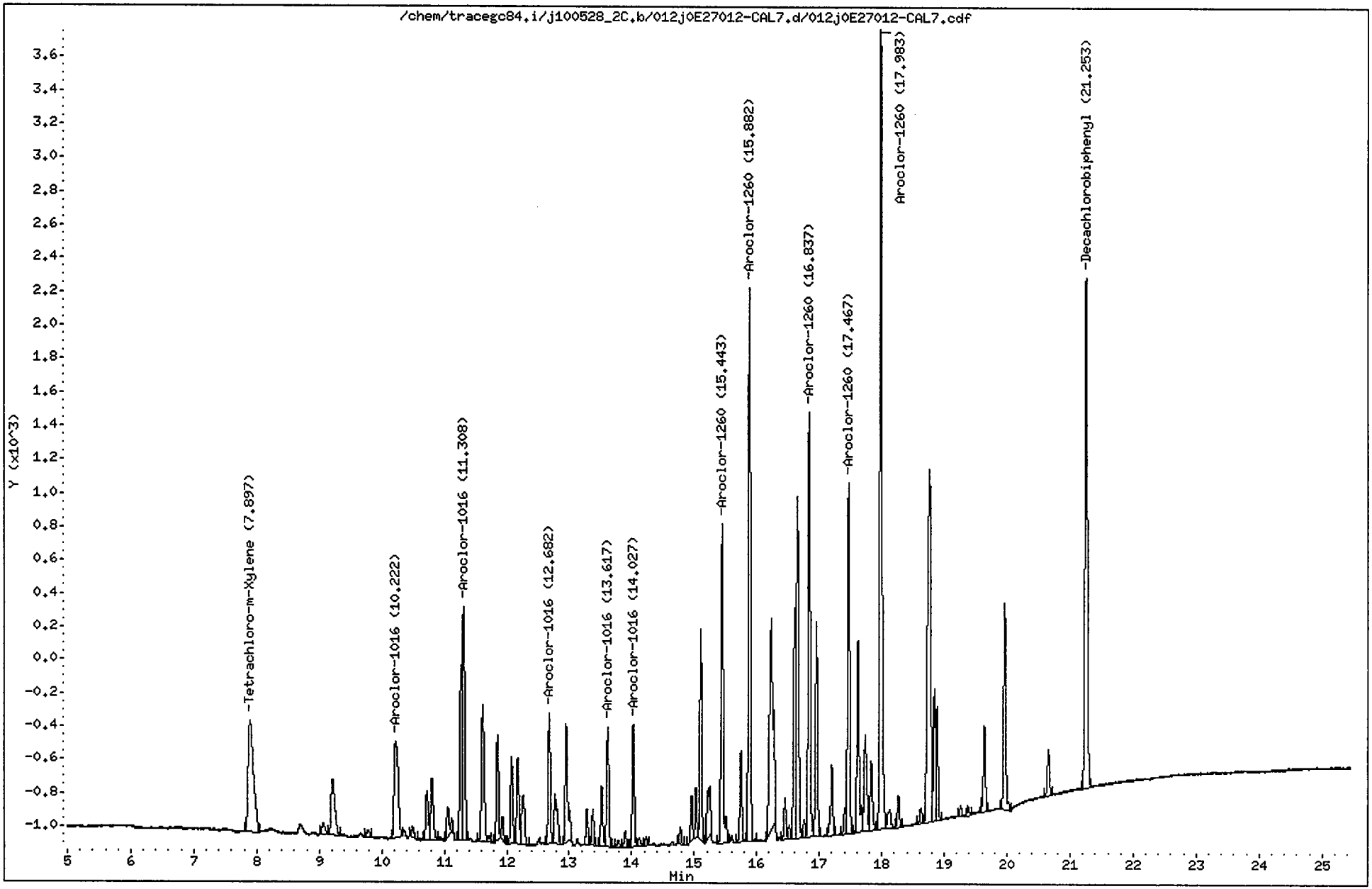
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL7 Client Smp Id : AR16602HA
Sample Type : INITIAL CAL: Level 2 Sublist : AR1660
Inj Date : 28-MAY-2010 22:10 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16602HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.53		5197					
7.90	7.82 7.96	3976	416798	Tetrachloro-m-Xylene	0.010000	424600	
9.06		255					
9.21		1421					
9.78		135					
10.22	10.15 10.29	2618	12953	Aroclor-1016 Peak 1	0.200000	13090	
10.49		218					
10.72		833					
10.80		1107					
11.06		575					
11.27		2129					
11.31	11.24 11.38	4044	19854	Aroclor-1016 Peak 2	0.200000	20215	
11.62		2472					
11.85		1498					
11.93		307					
12.08		1245					
12.18		1317					
12.27		1013					
12.68	12.61 12.75	1838	9041	Aroclor-1016 Peak 3	0.200000	9185.000	
12.78		1063					
12.95		2069					
13.29		484					
13.38		482					
13.52		827					
13.62	13.55 13.69	1742	8370	Aroclor-1016 Peak 4	0.200000	8705.000	
13.79		98					
13.90		231					
14.03	13.96 14.10	1634	7947	Aroclor-1016 Peak 5	0.200000	8165.000	
14.12		140					
14.23		108					
14.78		237					
14.96		572					
15.03		616					
15.10		2759					
15.22		1149					
15.44	15.37 15.51	4680	21225	Aroclor-1260 Peak 1	0.200000	23395	
15.75		1262					
15.88	15.81 15.95	7408	36050	Aroclor-1260 Peak 2	0.200000	37035	
16.23		5252					
16.45		565					
16.52		175					
16.61		3146					

AHW
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CompuChem

Lab Smp Id : 0E27012-CAL7 Client Smp Id : AR16602HA
Sample Type : INITIAL CAL: Level 2 Sublist : AR1660
Inj Date : 28-MAY-2010 22:10 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16602HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
16.65		5306					
16.76		234					
16.84	16.77 16.91	5837	28288	Aroclor-1260 Peak 3	0.200000	29185	
16.95		2954					
17.20		1072					
17.41		323					
17.47	17.39 17.53	4892	23788	Aroclor-1260 Peak 4	0.200000	24460	
17.62		2895					
17.73		1686					
17.83		1098					
17.98	17.91 18.05	11448	56438	Aroclor-1260 Peak 5	0.200000	57240	
18.13		425					
18.27		437					
18.63		228					
18.76		7729					
18.84		1751					
18.88		1479					
19.26		176					
19.38		125					
19.64		1202					
19.96		2994					
20.66		668					
21.25	21.18 21.32	8163	406698	Decachlorobiphenyl	0.020000	432800	

Data File: /chem/tracegc84.i/j100528_2C.b/013j0E27012-CAL8.d

Date : 28-MAY-2010 22:38

Client ID: AR16603HA

Sample Info: 0E27012-CAL8

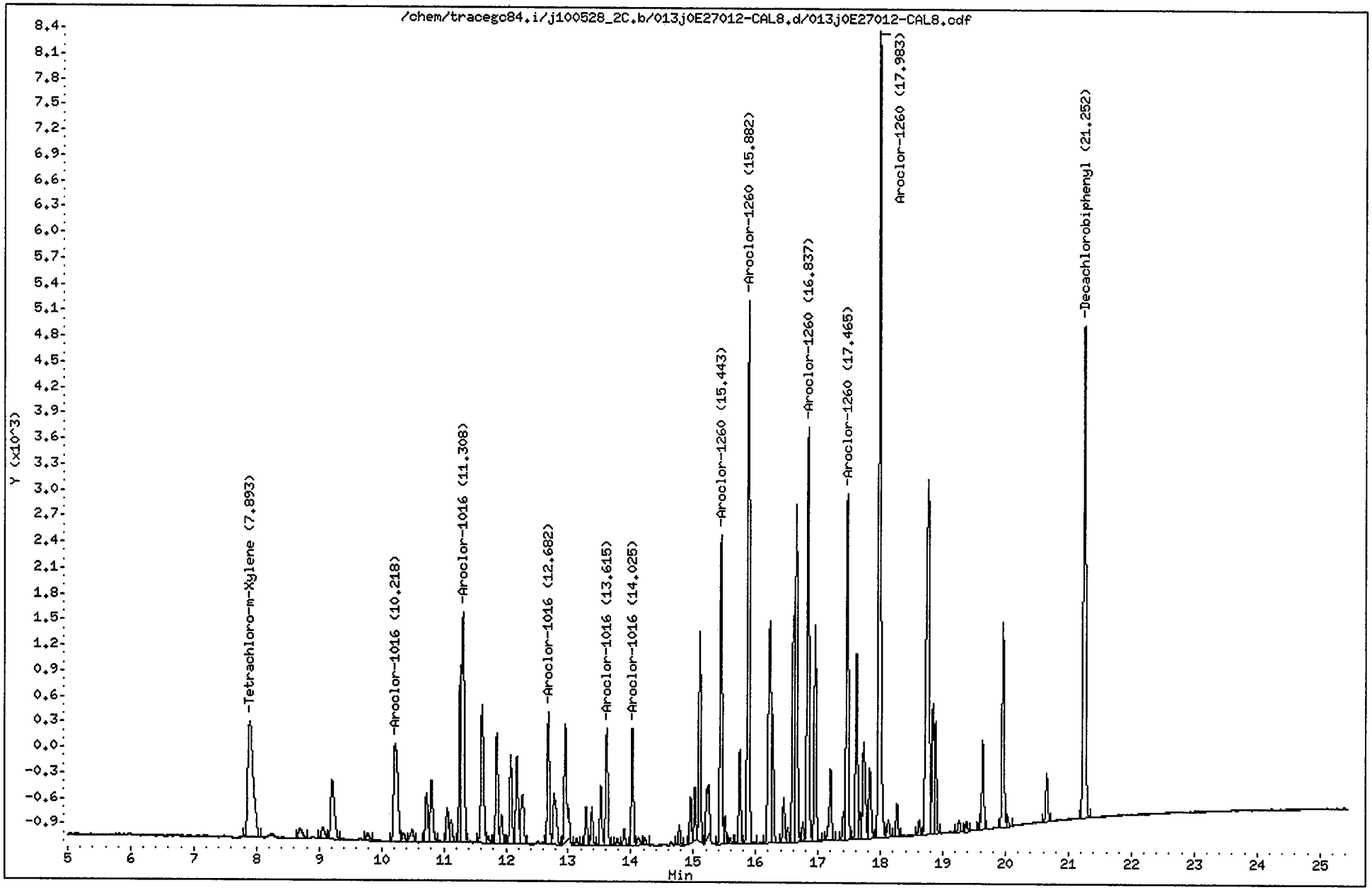
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL8 Client Smp Id : AR16603HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1660
Inj Date : 28-MAY-2010 22:38 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16603HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.55		12610					
1.78		3220					
1.95		20961					
2.50		93					
7.89	7.82 7.96	8081	416798	Tetrachloro-m-Xylene	0.020000	410850	
8.69		535					
9.06		530					
9.21		2824					
9.78		314					
10.22	10.15 10.29	5286	12953	Aroclor-1016 Peak 1	0.400000	13213	
10.35		291					
10.49		540					
10.72		1664					
10.80		2191					
11.06		1058					
11.12		701					
11.27		4122					
11.31	11.24 11.38	7858	19854	Aroclor-1016 Peak 2	0.400000	19645	
11.62		4885					
11.71		188					
11.85		3237					
11.93		839					
12.08		2525					
12.17		2698					
12.27		2072					
12.68	12.61 12.75	3641	9041	Aroclor-1016 Peak 3	0.400000	9102.500	
12.77		2207					
12.95		4014					
13.13		182					
13.29		1026					
13.38		994					
13.52		1618					
13.62	13.55 13.69	3368	8370	Aroclor-1016 Peak 4	0.400000	8417.500	
13.78		183					
13.89		443					
14.02	13.96 14.10	3112	7947	Aroclor-1016 Peak 5	0.400000	7780.000	
14.12		296					
14.23		207					
14.78		512					
14.96		1176					
15.03		1288					
15.10		5373					

AHW
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CompuChem

Lab Smp Id : 0E27012-CAL8 Client Smp Id : AR16603HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1660
Inj Date : 28-MAY-2010 22:38 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16603HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.22		2220					
15.44	15.37 15.51	8271	21225	Aroclor-1260 Peak 1	0.400000	20677	
15.51		684					
15.60		156					
15.74		2506					
15.88	15.81 15.95	14416	36050	Aroclor-1260 Peak 2	0.400000	36037	
16.23		8284					
16.27		3057					
16.45		1181					
16.52		364					
16.60		6302					
16.65		10109					
16.75		487					
16.84	16.77 16.91	11338	28288	Aroclor-1260 Peak 3	0.400000	28345	
16.95		5687					
17.20		2189					
17.41		626					
17.46	17.39 17.53	9484	23788	Aroclor-1260 Peak 4	0.400000	23710	
17.62		5073					
17.68		635					
17.73		3357					
17.83		2191					
17.98	17.91 18.05	22538	56438	Aroclor-1260 Peak 5	0.400000	56345	
18.13		555					
18.27		862					
18.62		374					
18.76		15093					
18.84		3468					
18.88		2867					
19.26		308					
19.38		258					
19.59		172					
19.64		2404					
19.96		5609					
20.04		270					
20.66		1346					
21.25	21.18 21.32	15513	406698	Decachlorobiphenyl	0.040000	401125	

Data File: /chem/tracegc84.i/j100528_2C.b/014j0E27012-CAL9.d

Date : 28-MAY-2010 23:07

Client ID: AR16604HA

Sample Info: 0E27012-CAL9

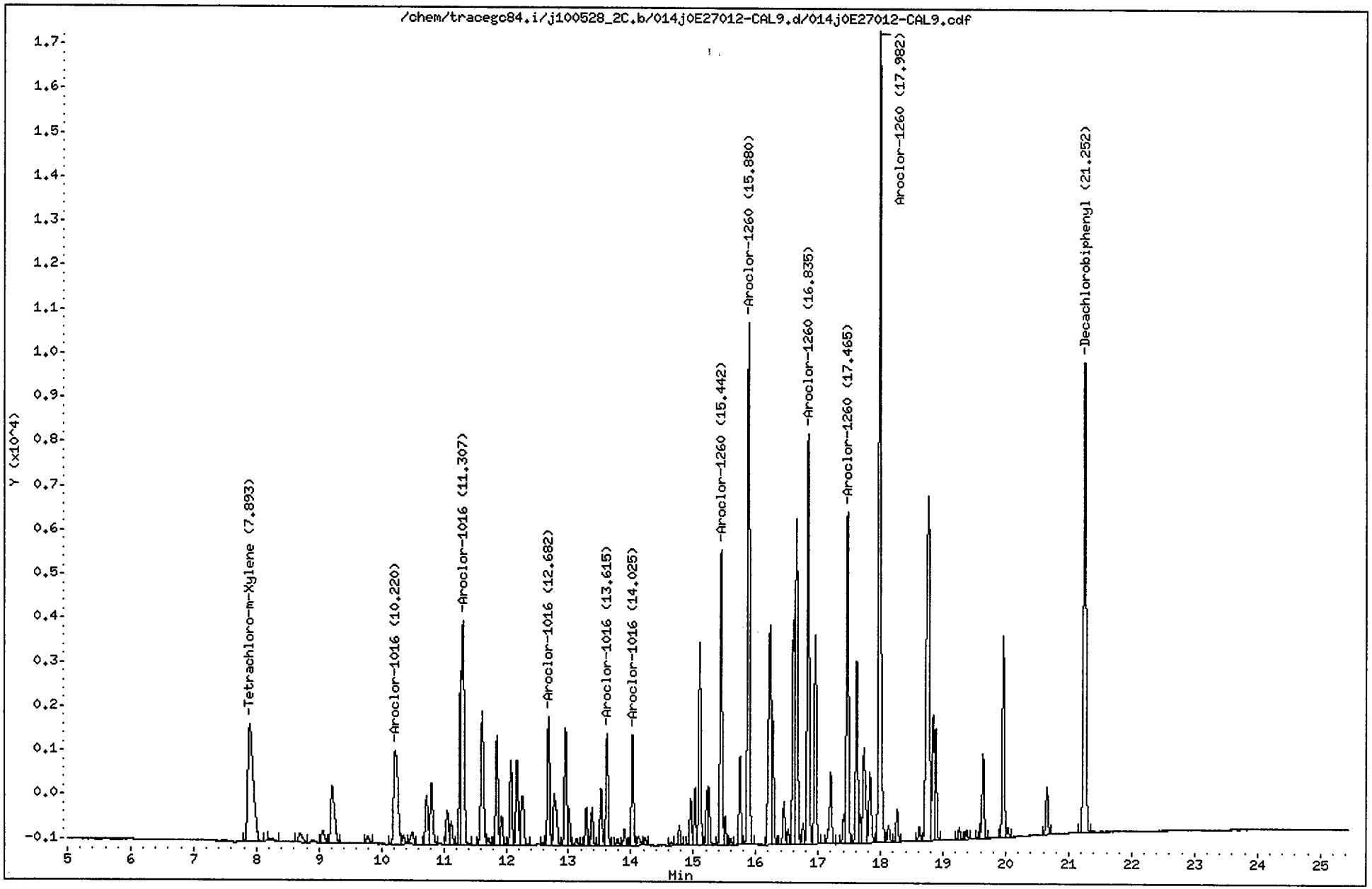
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL9 Client Smp Id : AR16604HA
Sample Type : INITIAL CAL: Level 4 Sublist : AR1660
Inj Date : 28-MAY-2010 23:07 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16604HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.53			4994					
7.89	7.82	7.96	15839	416798	Tetrachloro-m-Xylene	0.040000	411550	
8.23			272					
8.69			995					
9.05			1016					
9.21			5387					
9.78			621					
10.22	10.15	10.29	10044	12953	Aroclor-1016 Peak 1	0.800000	12554	
10.35			547					
10.49			1064					
10.72			3233					
10.80			4240					
11.05			2022					
11.12			1384					
11.27			7432					
11.31	11.24	11.38	15161	19854	Aroclor-1016 Peak 2	0.800000	18951	
11.62			9210					
11.72			375					
11.85			6185					
11.93			1626					
12.08			4717					
12.17			5070					
12.26			3950					
12.59			100					
12.68	12.61	12.75	6879	9041	Aroclor-1016 Peak 3	0.800000	8597.500	
12.77			4237					
12.95			6753					
13.01			1772					
13.13			376					
13.29			1978					
13.38			1906					
13.52			3045					
13.62	13.55	13.69	6287	8370	Aroclor-1016 Peak 4	0.800000	7857.500	
13.78			319					
13.89			853					
14.02	13.96	14.10	5749	7947	Aroclor-1016 Peak 5	0.800000	7186.250	
14.12			568					
14.22			371					
14.65			184					
14.78			998					
14.95			2438					
15.03			2859					

AHW
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CompuChem

Lab Smp Id : 0E27012-CAL9 Client Smp Id : AR16604HA
Sample Type : INITIAL CAL: Level 4 Sublist : AR1660
Inj Date : 28-MAY-2010 23:07 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16604HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.10		10433					
15.21		2434					
15.24		2845					
15.44	15.37 15.51	15282	21225	Aroclor-1260 Peak 1	0.800000	19101	
15.51		1320					
15.59		289					
15.74		4660					
15.88	15.81 15.95	27134	36050	Aroclor-1260 Peak 2	0.800000	33916	
16.23		15431					
16.27		5739					
16.45		2259					
16.52		702					
16.60		11778					
16.65		19088					
16.75		967					
16.84	16.77 16.91	21389	28288	Aroclor-1260 Peak 3	0.800000	26736	
16.95		10710					
17.20		4226					
17.41		1265					
17.46	17.39 17.53	17730	23788	Aroclor-1260 Peak 4	0.800000	22163	
17.61		9532					
17.67		1248					
17.73		6461					
17.83		4295					
17.98	17.91 18.05	43151	56438	Aroclor-1260 Peak 5	0.800000	53937	
18.13		931					
18.26		1679					
18.62		696					
18.76		28579					
18.84		6575					
18.88		5525					
19.25		570					
19.37		496					
19.58		346					
19.64		4607					
19.96		10525					
20.03		479					
20.66		2580					
21.25	21.18 21.32	28729	406698	Decachlorobiphenyl	0.080000	376587	

Data File: /chem/tracegc84.i/j100528_2C.b/015j0E27012-CALA.d

Date : 28-MAY-2010 23:36

Client ID: AR16605HA

Sample Info: 0E27012-CALA

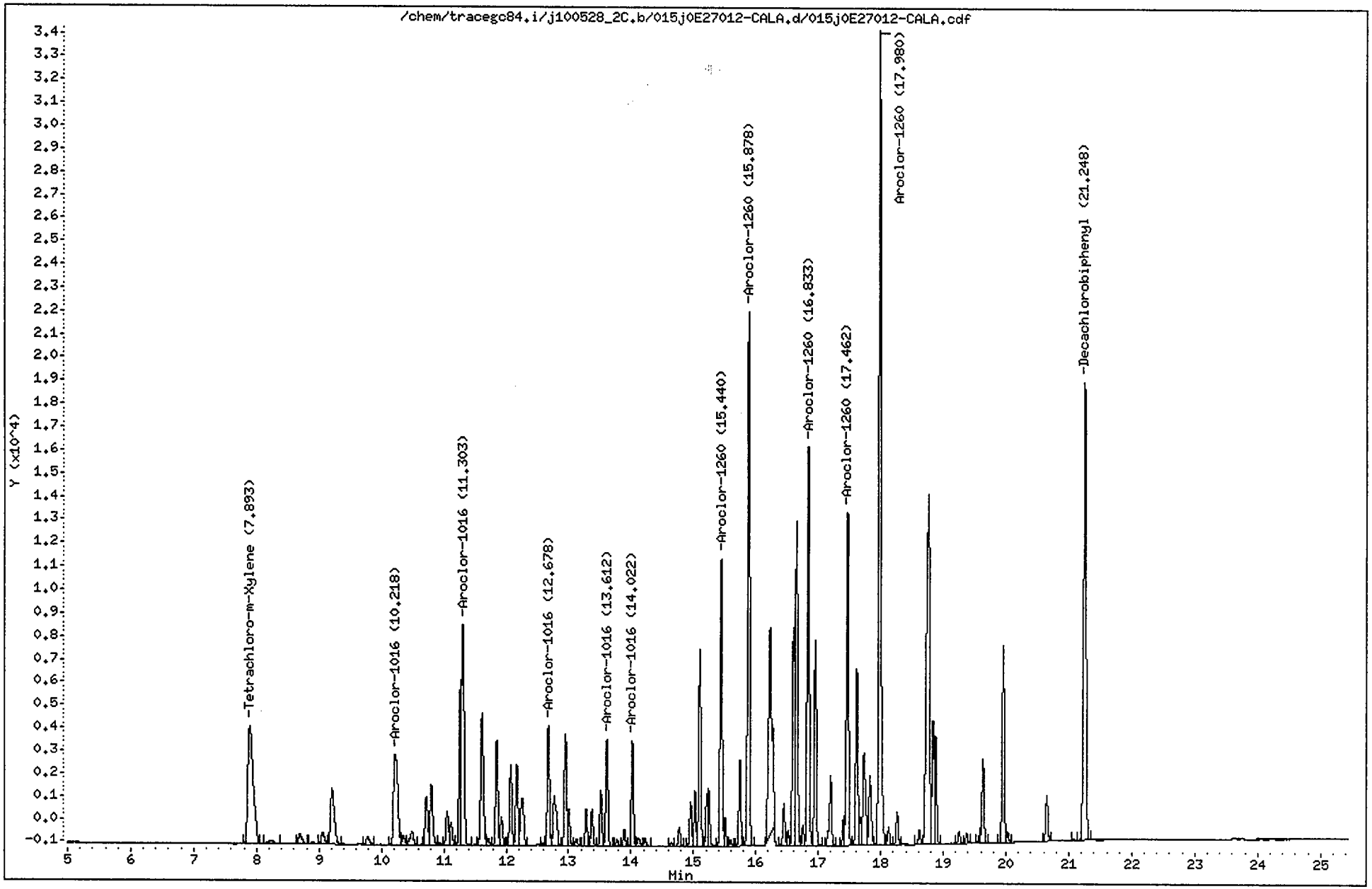
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CALA Client Smp Id : AR16605HA
Sample Type : INITIAL CAL: Level 5 Sublist : AR1660
Inj Date : 28-MAY-2010 23:36 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16605HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.52			1355					
7.89	7.82	7.96	30940	416798	Tetrachloro-m-Xylene	0.080000	407787	
8.23			1051					
8.69			1767					
8.90			350					
9.06			2080					
9.21			10426					
9.77			1198					
10.22	10.15	10.29	18798	12953	Aroclor-1016 Peak 1	1.600000	11748	
10.35			1187					
10.49			2201					
10.72			6102					
10.80			8090					
10.93			227					
11.05			3890					
11.12			2691					
11.27			14341					
11.30	11.24	11.38	28234	19854	Aroclor-1016 Peak 2	1.600000	17646	
11.61			17271					
11.71			726					
11.85			11729					
11.93			3081					
12.07			8751					
12.17			9431					
12.26			7408					
12.59			203					
12.68	12.61	12.75	12863	9041	Aroclor-1016 Peak 3	1.600000	8038.750	
12.77			7988					
12.95			12609					
13.00			3437					
13.13			691					
13.28			3830					
13.37			3670					
13.52			5712					
13.61	13.55	13.69	11647	8370	Aroclor-1016 Peak 4	1.600000	7278.750	
13.78			630					
13.89			1620					
14.02	13.96	14.10	10650	7947	Aroclor-1016 Peak 5	1.600000	6655.625	
14.12			1194					
14.22			866					
14.64			342					
14.77			1880					

AHW
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CompuChem

Lab Smp Id : 0E27012-CALA Client Smp Id : AR16605HA
Sample Type : INITIAL CAL: Level 5 Sublist : AR1660
Inj Date : 28-MAY-2010 23:36 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16605HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
14.95		4536					
15.02		5425					
15.10		19561					
15.21		4711					
15.24		5270					
15.44	15.37 15.51	28608	21225	Aroclor-1260 Peak 1	1.600000	17880	
15.50		2566					
15.59		606					
15.74		8752					
15.88	15.81 15.95	51744	36050	Aroclor-1260 Peak 2	1.600000	32339	
16.23		35706					
16.45		4307					
16.51		1357					
16.60		22407					
16.65		36104					
16.75		1891					
16.83	16.77 16.91	40779	28288	Aroclor-1260 Peak 3	1.600000	25486	
16.95		20286					
17.20		8137					
17.40		2343					
17.46	17.39 17.53	33551	23788	Aroclor-1260 Peak 4	1.600000	20969	
17.61		17934					
17.67		2288					
17.73		12332					
17.82		8217					
17.98	17.91 18.05	83385	56438	Aroclor-1260 Peak 5	1.600000	52116	
18.13		1774					
18.26		3228					
18.62		1358					
18.76		54383					
18.84		12266					
18.87		10642					
19.25		1188					
19.37		953					
19.58		647					
19.63		8766					
19.95		20067					
20.03		923					
20.65		4921					
21.08		90					
21.25	21.18 21.32	53941	406698	Decachlorobiphenyl	0.160000	356975	

Data File: /chem/tracegc84.i/j100528_2C.b/016j0E27012-ARC3.d

Page 1

Date : 29-MAY-2010 00:05

Client ID: AR12213HA

Instrument: tracegc84.i

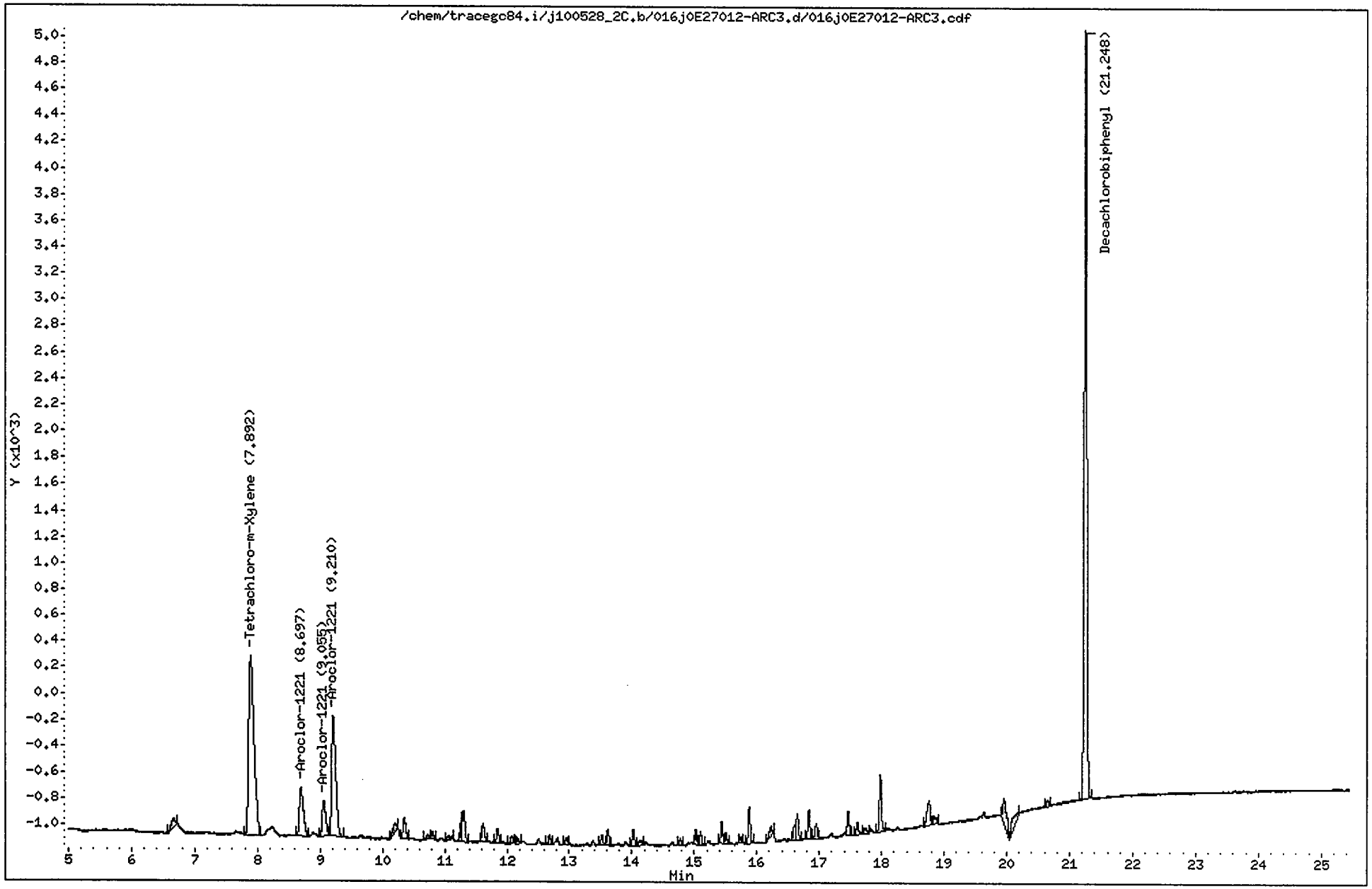
Sample Info: 0E27012-ARC3

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC3 Client Smp Id : AR12213HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1221
Inj Date : 29-MAY-2010 00:05 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12213HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.55			46457					
6.67			285					
7.89	7.82	7.96	8094	416798	Tetrachloro-m-Xylene	0.020000	410850	
8.70	8.63	8.77	1669	4170	Aroclor-1221 Peak 2	0.400000	4170.000	
9.06	8.98	9.12	1080	2700	Aroclor-1221 Peak 3	0.400000	2700.000	
9.21	9.14	9.28	4116	10288	Aroclor-1221 Peak 4	0.400000	10287	
10.20			230					
10.35			467					
10.72			97					
10.80			139					
11.06			138					
11.27			303					
11.31			680					
11.62			394					
11.85			255					
12.07			137					
12.17			97					
12.68			173					
12.96			129					
13.52			156					
13.62			273					
14.03			277					
14.12			135					
14.78			106					
15.03			221					
15.10			208					
15.44			350					
15.51			178					
15.74			109					
15.88			612					
16.23			225					
16.60			241					
16.65			516					
16.84			492					
16.95			301					
17.46			396					
17.61			248					
17.73			133					
17.98			1018					
18.75			645					
18.84			227					
19.96			871					

AHW
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CompuChem

Lab Smp Id : 0E27012-ARC3 Client Smp Id : AR12213HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1221
Inj Date : 29-MAY-2010 00:05 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12213HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
20.19			553					
20.66			118					
21.25	21.18	21.32	15857	406698	Decachlorobiphenyl	0.040000	401125	

Data File: /chem/tracegc84.i/j100528_2C.b/017j0E27012-ARC4.d

Date : 29-MAY-2010 00:34

Client ID: AR12323HA

Instrument: tracegc84.i

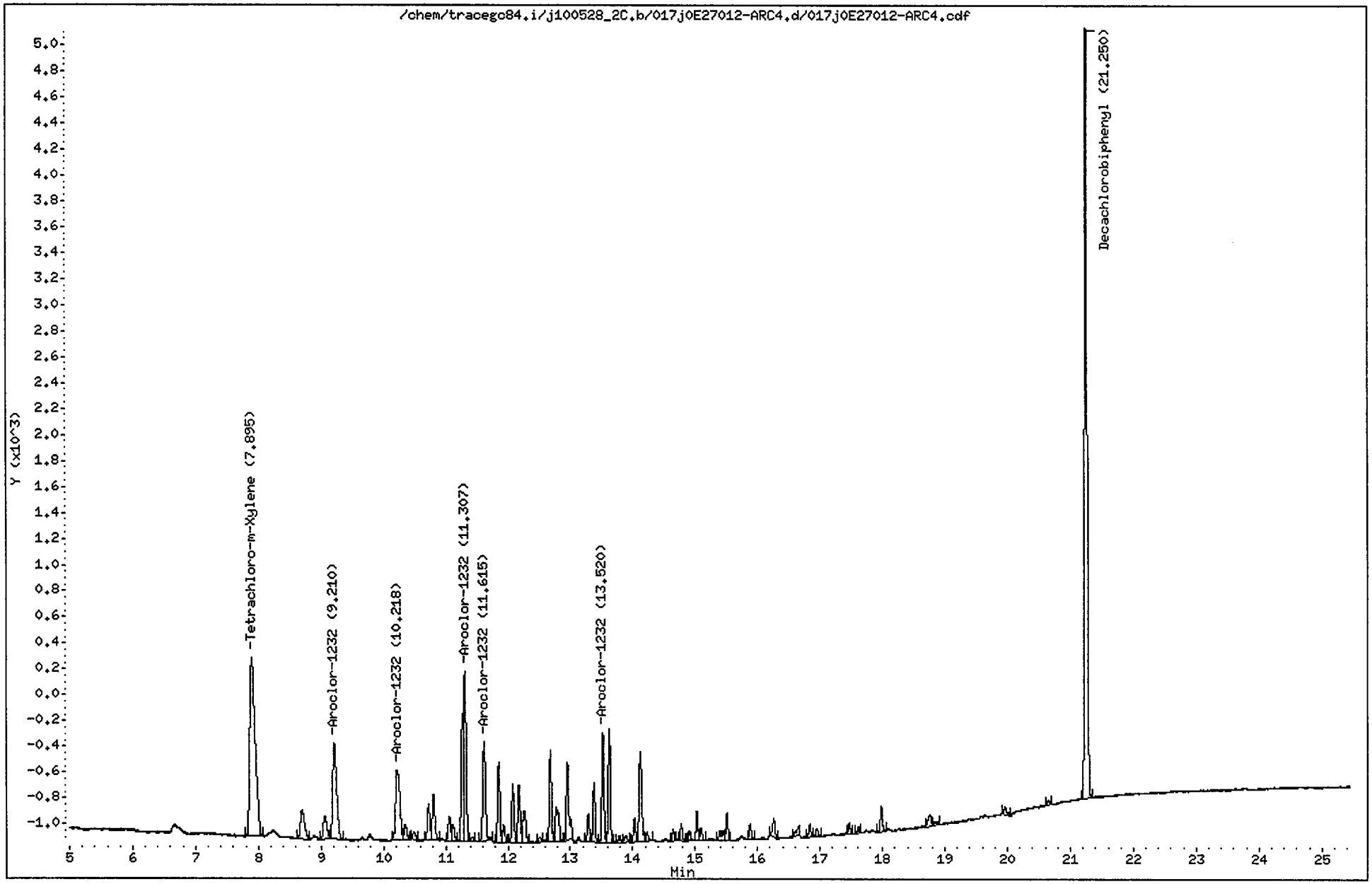
Sample Info: 0E27012-ARC4

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC4 Client Smp Id : AR12323HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1232
Inj Date : 29-MAY-2010 00:34 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12323HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.55			6078					
1.92			227					
7.90	7.82	7.96	8222	416798	Tetrachloro-m-Xylene	0.020000	410850	
8.69			1024					
9.06			732					
9.21	9.14	9.28	3275	8188	Aroclor-1232 Peak 1	0.400000	8187.500	
10.22	10.15	10.29	2568	6418	Aroclor-1232 Peak 2	0.400000	6417.500	
10.35			378					
10.49			176					
10.72			788					
10.80			1046					
11.05			518					
11.12			332					
11.27			2058					
11.31	11.24	11.38	3727	9318	Aroclor-1232 Peak 3	0.400000	9317.500	
11.43			94					
11.62	11.55	11.69	2299	5748	Aroclor-1232 Peak 4	0.400000	5747.500	
11.85			1547					
11.93			323					
12.08			1075					
12.18			1145					
12.27			852					
12.52			91					
12.68			1662					
12.78			1077					
12.95			1754					
13.29			498					
13.38			1017					
13.52	13.45	13.59	1927	4818	Aroclor-1232 Peak 5	0.400000	4817.500	
13.62			2028					
13.78			100					
13.88			146					
14.03			403					
14.12			2031					
14.23			156					
14.64			186					
14.78			270					
14.90			159					
15.03			465					
15.09			247					
15.39			329					
15.51			455					

AHW
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CompuChem

Lab Smp Id : 0E27012-ARC4 Client Smp Id : AR12323HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1232
Inj Date : 29-MAY-2010 00:34 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12323HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.88		264					
16.26		384					
16.60		186					
16.84		225					
16.95		176					
17.47		191					
17.62		94					
17.98		448					
18.76		291					
18.84		109					
19.96		223					
20.66		103					
21.25	21.18 21.32	15900	406698	Decachlorobiphenyl	0.040000	401125	

Data File: /chem/tracegc84.i/j100528_2C.b/018j0E27012-ARC5.d

Date : 29-MAY-2010 01:03

Client ID: AR12423HA

Sample Info: 0E27012-ARC5

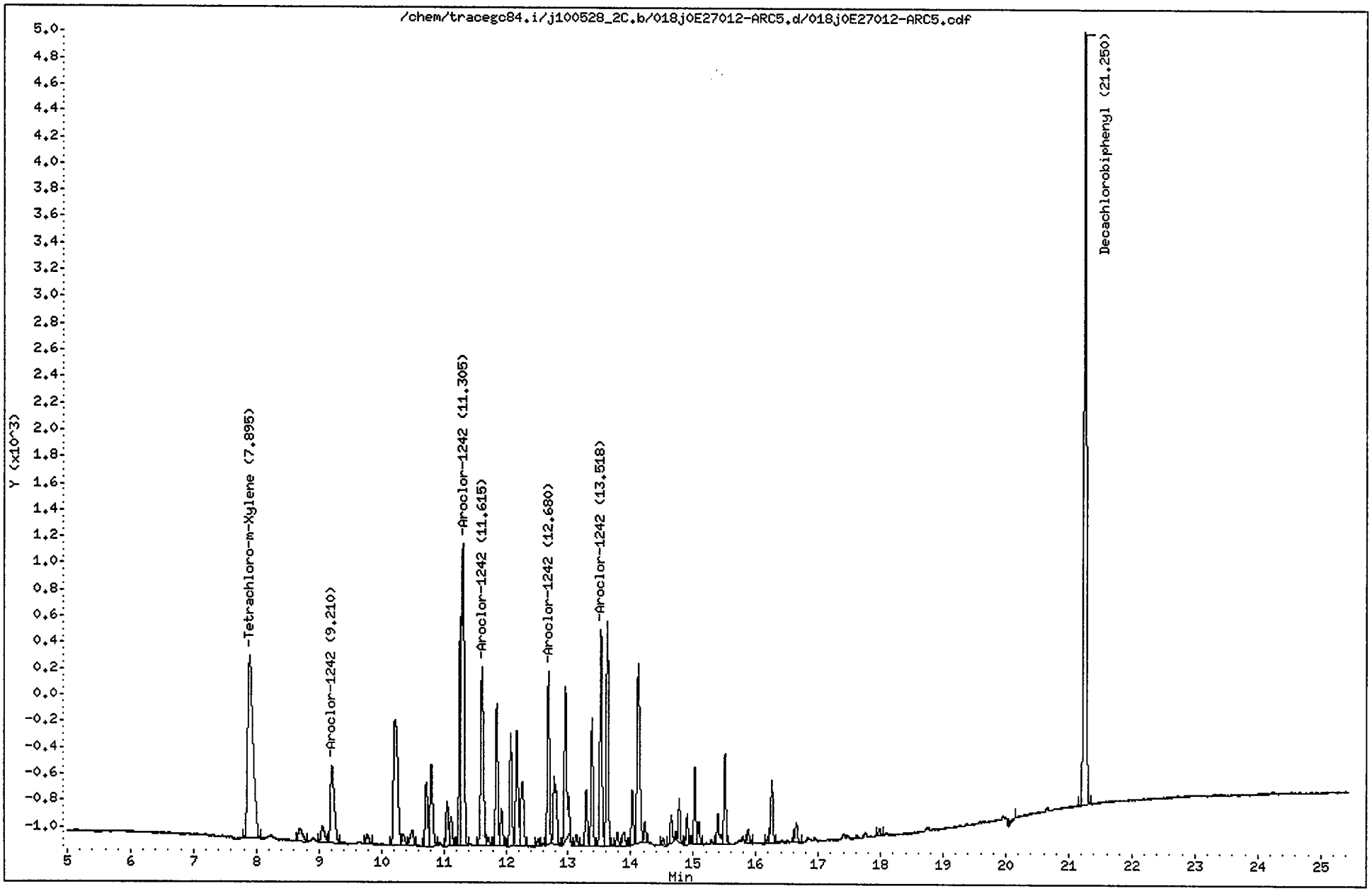
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC5 Client Smp Id : AR12423HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1242
Inj Date : 29-MAY-2010 01:03 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12423HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.54			4643					
2.52			95					
7.90	7.82	7.96	8181	416798	Tetrachloro-m-Xylene	0.020000	410850	
8.69			451					
9.05			464					
9.21	9.14	9.28	2438	6092	Aroclor-1242 Peak 1	0.400000	6092.500	
9.78			255					
10.22			4459					
10.35			260					
10.49			448					
10.72			1417					
10.80			1857					
11.05			903					
11.12			581					
11.27			3529					
11.30	11.23	11.37	6570	16425	Aroclor-1242 Peak 2	0.400000	16425	
11.62	11.55	11.69	4090	10222	Aroclor-1242 Peak 3	0.400000	10223	
11.72			154					
11.85			2686					
11.93			698					
12.08			2079					
12.17			2308					
12.27			1751					
12.52			122					
12.68	12.61	12.75	3039	7598	Aroclor-1242 Peak 4	0.400000	7597.500	
12.77			1924					
12.95			3384					
13.13			196					
13.29			977					
13.38			2193					
13.52	13.45	13.59	3803	9505	Aroclor-1242 Peak 5	0.400000	9505.000	
13.62			4081					
13.78			240					
13.89			342					
14.02			915					
14.12			4153					
14.22			317					
14.52			126					
14.64			488					
14.78			680					
14.90			497					
15.03			1278					

AHW
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CompuChem

Lab Smp Id : 0E27012-ARC5 Client Smp Id : AR12423HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1242
Inj Date : 29-MAY-2010 01:03 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12423HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.09		398					
15.39		655					
15.51		1508					
15.88		255					
16.21		101					
16.25		1102					
16.65		394					
17.98		126					
20.15		103					
21.25	21.18 21.32	15810	406698	Decachlorobiphenyl	0.040000	401125	

Data File: /chem/tracegc84.i/j100528_2C.b/019j0E27012-ARC6.d

Date : 29-MAY-2010 01:32

Client ID: AR12483HA

Instrument: tracegc84.i

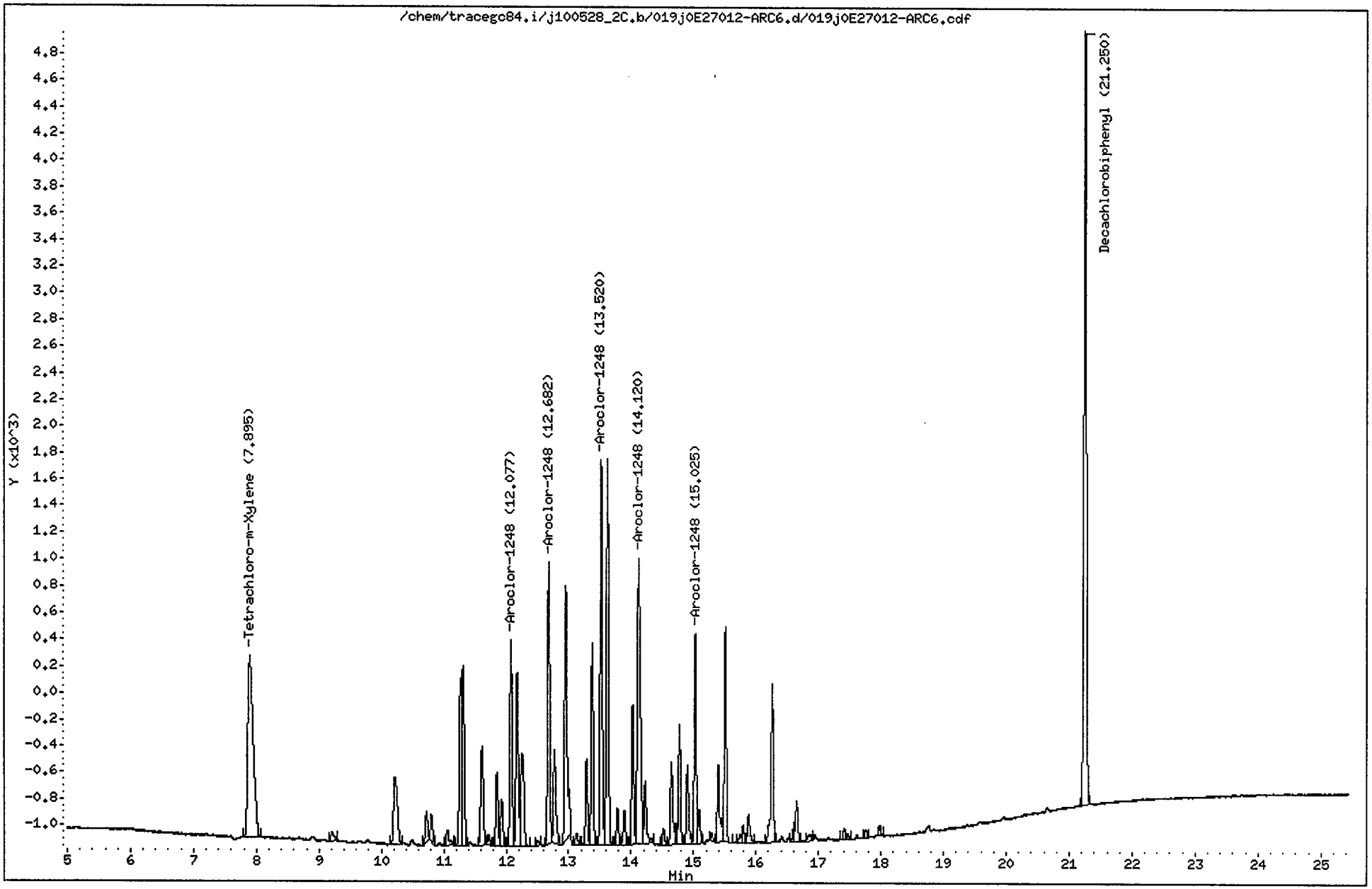
Sample Info: 0E27012-ARC6

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC6 Client Smp Id : AR12483HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1248
Inj Date : 29-MAY-2010 01:32 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12483HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.55		6951					
1.90		216					
7.90	7.82 7.96	8180	416798	Tetrachloro-m-Xylene	0.020000	410850	
9.21		240					
10.22		2132					
10.72		548					
10.80		506					
11.05		377					
11.27		2891					
11.31		3648					
11.61		2168					
11.71		174					
11.85		1385					
11.93		873					
12.08	12.01 12.15	3800	9500	Aroclor-1248 Peak 1	0.400000	9500.000	
12.17		3447					
12.26		2536					
12.50		95					
12.68	12.61 12.75	4952	12378	Aroclor-1248 Peak 2	0.400000	12377	
12.77		1909					
12.95		5414					
13.13		193					
13.29		1486					
13.38		3533					
13.52	13.45 13.59	6749	16872	Aroclor-1248 Peak 3	0.400000	16873	
13.62		7131					
13.78		627					
13.89		633					
14.03		2480					
14.12	14.05 14.19	7275	18185	Aroclor-1248 Peak 4	0.400000	18185	
14.22		1226					
14.52		289					
14.64		1587					
14.72		238					
14.78		2062					
14.90		1474					
15.02	14.96 15.10	3554	8882	Aroclor-1248 Peak 5	0.400000	8882.500	
15.09		573					
15.29		129					
15.39		1678					
15.51		3676					
15.74		137					

AHW
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CompuChem

Lab Smp Id : 0E27012-ARC6 Client Smp Id : AR12483HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1248
Inj Date : 29-MAY-2010 01:32 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12483HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.79		271					
15.88		577					
16.26		3091					
16.60		180					
16.65		770					
16.84		179					
17.41		196					
17.46		100					
17.75		155					
17.98		158					
21.25	21.18 21.32	15689	406698	Decachlorobiphenyl	0.040000	401125	

Data File: /chem/tracegc84.i/j100528_2C.b/020j0E27012-ARC7.d

Date : 29-MAY-2010 02:01

Client ID: AR12543HA

Sample Info: 0E27012-ARC7

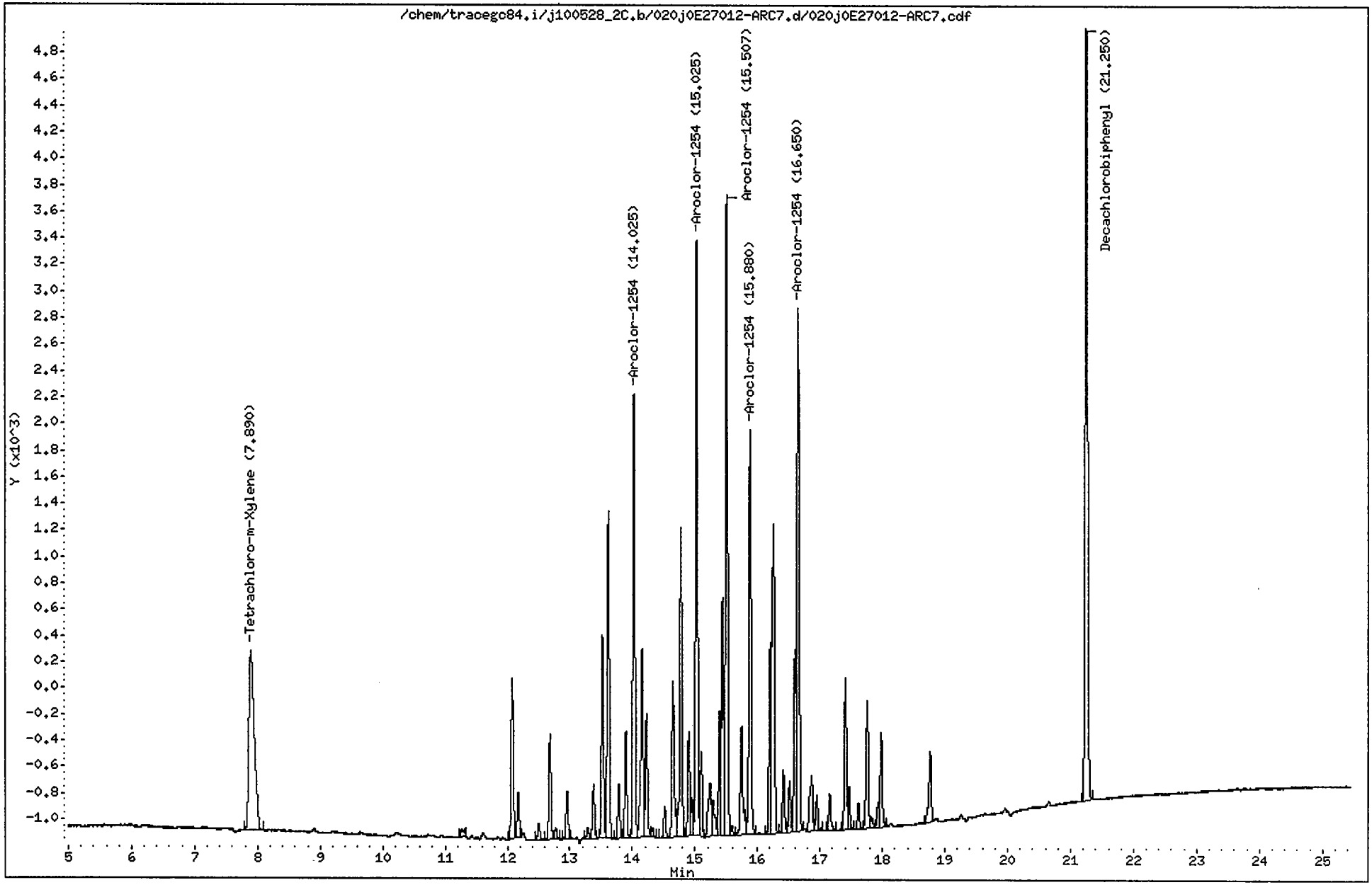
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC7 Client Smp Id : AR12543HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1254
Inj Date : 29-MAY-2010 02:01 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12543HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.53		1503					
2.52		107					
7.89	7.82 7.96	8133	416798	Tetrachloro-m-Xylene	0.020000	410850	
11.27		231					
12.08		2963					
12.17		770					
12.50		310					
12.68		1873					
12.77		210					
12.95		884					
13.29		183					
13.38		919					
13.52		3563					
13.61		5900					
13.78		937					
13.89		1800					
14.02	13.96 14.10	7888	19718	Aroclor-1254 Peak 1	0.400000	19717	
14.16		3806					
14.22		2167					
14.32		171					
14.52		557					
14.64		2999					
14.78		5649					
14.90		1782					
14.95		591					
15.02	14.96 15.10	10277	25690	Aroclor-1254 Peak 2	0.400000	25690	
15.10		1390					
15.24		1408					
15.29		819					
15.39		1945					
15.44		4271					
15.51	15.44 15.58	10919	27295	Aroclor-1254 Peak 3	0.400000	27295	
15.60		153					
15.74		2382					
15.88	15.81 15.95	7170	17922	Aroclor-1254 Peak 4	0.400000	17923	
16.20		2920					
16.25		7155					
16.41		1092					
16.52		844					
16.60		2842					
16.65	16.58 16.72	10096	25238	Aroclor-1254 Peak 5	0.400000	25237	
16.87		1426					

AHW
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CompuChem

Lab Smp Id : 0E27012-ARC7 Client Smp Id : AR12543HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1254
Inj Date : 29-MAY-2010 02:01 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12543HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
16.95		635					
17.15		700					
17.41		2600					
17.46		702					
17.62		443					
17.76		2404					
17.83		213					
17.93		382					
17.98		1680					
18.77		1427					
21.25	21.18 21.32	15713	406698	Decachlorobiphenyl	0.040000	401125	

Data File: /chem/tracegc84.i/j100528_2C.b/021j0E27012-ICV1.d

Date : 29-MAY-2010 02:30

Client ID: PESTCHKHA

Sample Info: 0E27012-ICV1

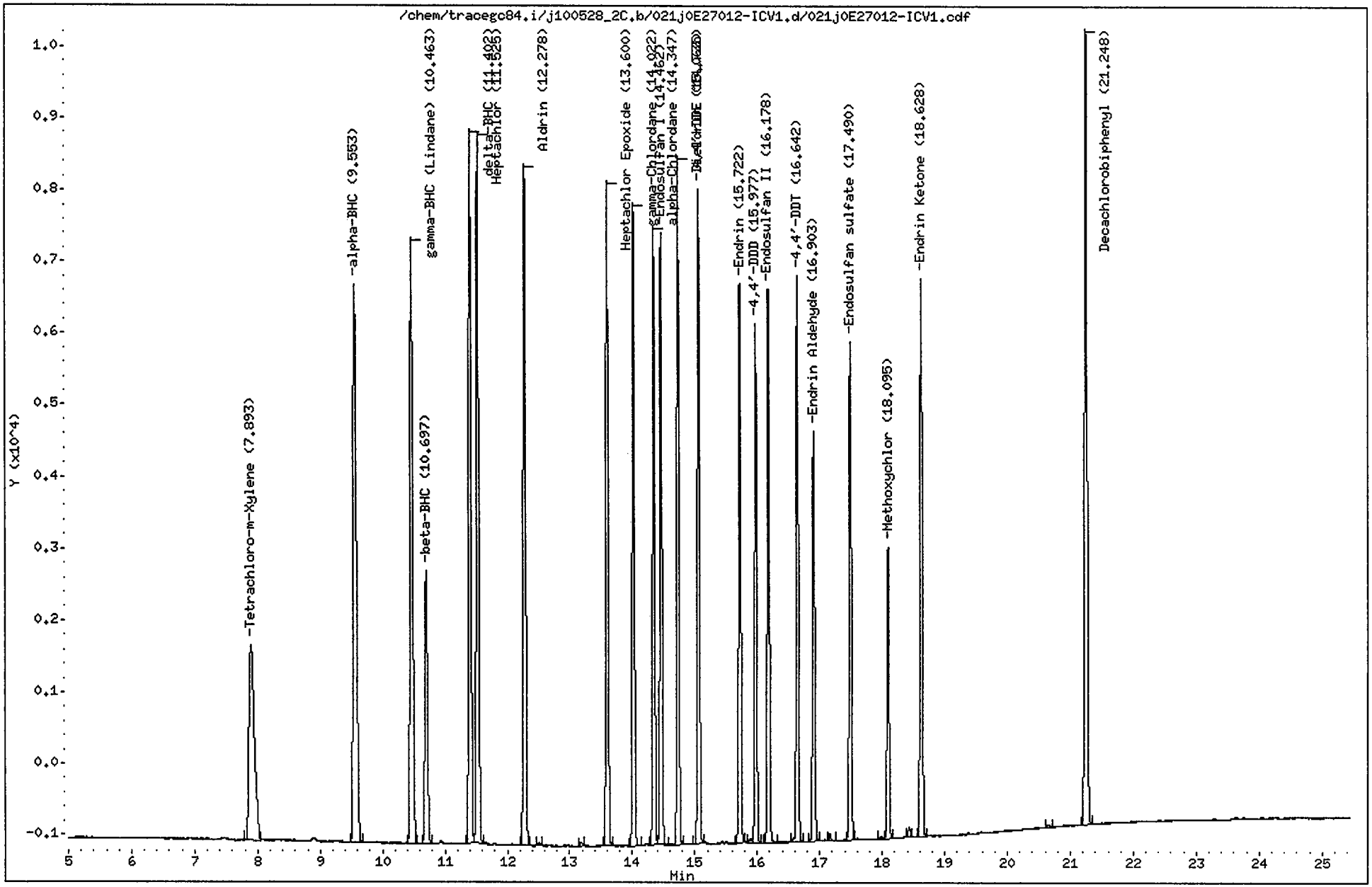
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: System

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ICV1 Client Smp Id : PESTCHKHA
Sample Type : QCCHECK Sublist : INDA
Inj Date : 29-MAY-2010 02:30 Inst ID : TRACEGC84
Operator : System Spike Sublist : INDAchek
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : PESTCHKHA

RT	AREA
1.52	971
2.52	113
7.89	16373
9.55	27766
10.46	25508
10.70	10744
11.40	25025
11.53	26353
12.28	24122
12.51	90
13.19	137
13.60	21487
14.02	20491
14.35	19566
14.46	19716
14.73	20595
15.06	20726
15.72	17889
15.89	173
15.98	15433
16.18	17845
16.64	17369
16.90	13306
17.16	236
17.49	16118
17.98	91
18.09	9156
18.43	293
18.63	18709
20.66	111
21.25	29779

AHW
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Data File: /chem/tracegc84.i/j100528_2C.b/022j0E27012-ICV2.d

Date : 29-MAY-2010 02:59

Client ID: PCBCHKHA

Sample Info: 0E27012-ICV2

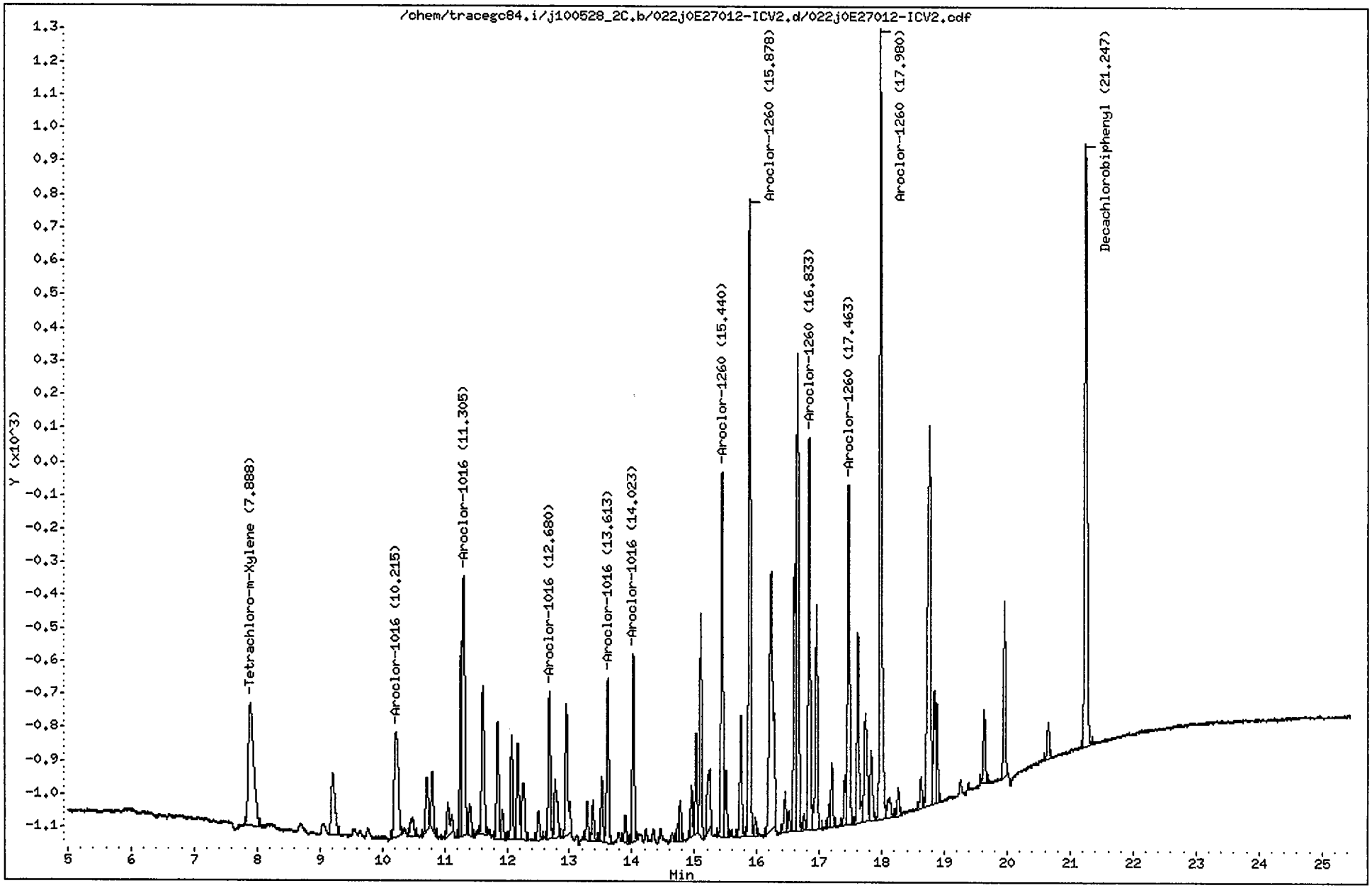
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ICV2 Client Smp Id : PCBCHKHA
Sample Type : QCCHECK Sublist : AR1660
Inj Date : 29-MAY-2010 02:59 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : AR1660OVchk
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : PCBCHKHA

RT	AREA
1.51	5107
7.89	2190
9.21	761
10.21	1448
10.48	242
10.72	451
10.80	458
11.05	369
11.27	1244
11.30	2146
11.41	281
11.61	1273
11.85	884
11.93	232
12.07	732
12.17	760
12.27	603
12.50	215
12.68	1026
12.77	586
12.95	1132
13.28	262
13.38	254
13.52	457
13.61	1218
13.89	196
14.02	1251
14.73	96
14.77	284
14.95	331
15.02	670
15.10	1485
15.21	680
15.44	2500
15.51	438
15.74	902
15.88	4331
15.98	116
16.23	3252
16.45	289
16.51	136
16.60	1788
16.65	3672
16.75	107
16.83	2698

AHW
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CompuChem

Lab Smp Id : 0E27012-ICV2 Client Smp Id : PCBCHKHA
Sample Type : QCCHECK Sublist : AR1660
Inj Date : 29-MAY-2010 02:59 Inst ID :
Operator : AHW Spike Sublist : AR1660OVchk
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : PCBCHKHA

RT	AREA
16.95	1595
17.15	119
17.20	443
17.41	308
17.46	2477
17.61	1400
17.73	1073
17.83	559
17.98	5630
18.12	237
18.26	182
18.62	233
18.76	3878
18.84	740
18.88	657
19.63	502
19.95	1166
20.65	268
21.25	4893

Manual Integrations							
SDG:							
Sample(s)	0E27012-ARC1						
Compound							
alpha-BHC							
gamma-BHC							
beta-BHC							
delta-BHC							
Heptachlor							
Aldrin							
Heptachlor Epoxide							
gamma-Chlordane							
alpha-Chlordane							
Endosulfan I							
4,4'-DDE							
Dieldrin							
Endrin							
4,4'-DDD							
Endosulfan II							
4,4'-DDT							
Endrin Aldehyde							
Endosulfan sulfate							
Methoxychlor							
Endrin Ketone							
Toxaphene	x						
Technical Chordane							
Tetrachloro-m-xylene							
Decachlorbiphenyl							
"X" Denotes a manual integration for the compound							

Data File: /chem/tracegc84.i/j100528zf.b/337jSEQ-CCV1.d

Date : 08-JUN-2010 14:04

Client ID: INDC3LR

Instrument: tracegc84.i

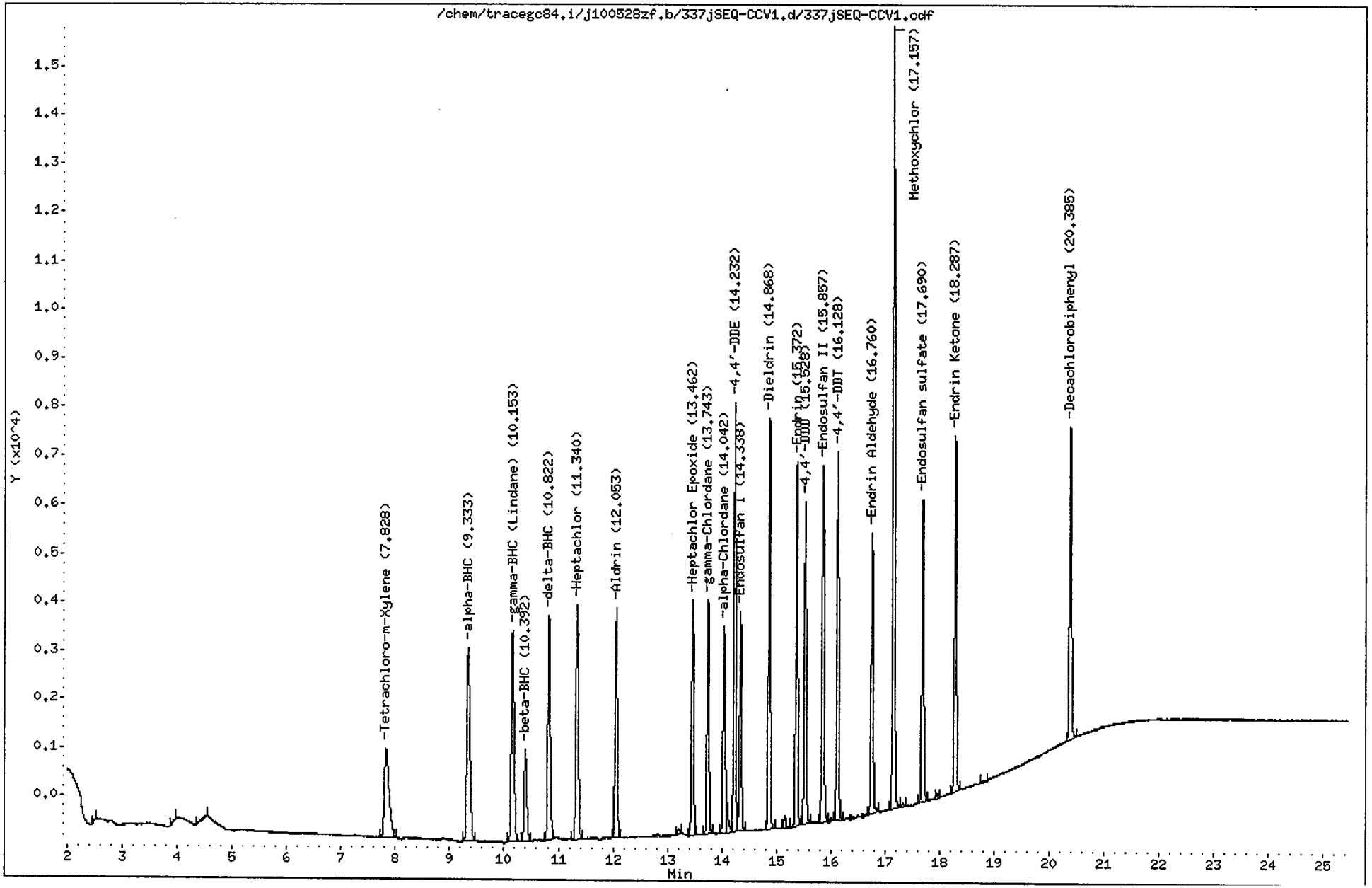
Sample Info: SEQ-CCV1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



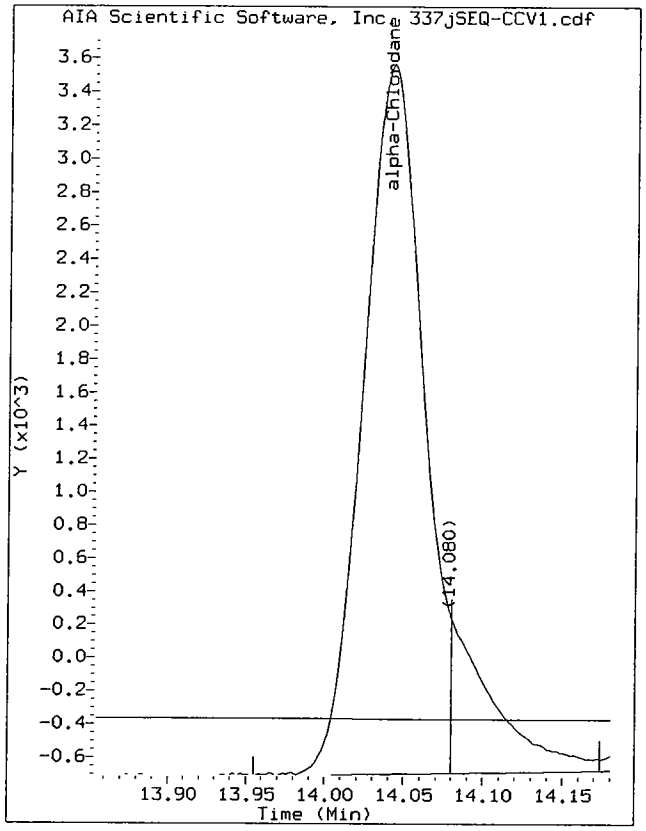
CompuChem

Lab Smp Id : SEQ-CCV1 Client Smp Id : INDC3LR
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 08-JUN-2010 14:04 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zf.b/8081A_clpestv6.m
Misc. Info : INDC3LR

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.45			3586								
2.52			152								
3.97			123								
4.52			313								
7.83	7.77	7.91	10902	522758	Tetrachloro-m-Xylene	0.020000	545050	-4.3	20.0		
9.33	9.29	9.43	16262	775960	alpha-BHC	0.020000	813100	-4.8	20.0		
10.15	10.11	10.25	15415	729192	gamma-BHC (Lindane)	0.020000	770750	-5.7	20.0		
10.39	10.34	10.48	6391	300532	beta-BHC	0.020000	319500	-6.3	20.0		
10.82	10.77	10.91	14471	689518	delta-BHC	0.020000	723550	-4.9	20.0		
11.34	11.29	11.43	14459	695465	Heptachlor	0.020000	722900	-3.9	20.0		
12.05	12.01	12.15	13289	636570	Aldrin	0.020000	664400	-4.4	20.0		
13.21			326								
13.46	13.42	13.56	12355	593700	Heptachlor Epoxide	0.020000	617750	-4.1	20.0		
13.74	13.70	13.84	12294	594875	gamma-Chlordane	0.020000	614700	-3.3	20.0		
14.04	14.00	14.14	11292	516712	alpha-Chlordane	0.020000	564550	-9.3	20.0	M	
14.08			1810								
14.23	14.19	14.33	21689	523741	4,4'-DDE	0.040000	542200	-3.5	20.0		
14.34	14.29	14.43	11606	548162	Endosulfan I	0.020000	580250	-5.9	20.0		
14.87	14.82	14.96	21190	515556	Dieldrin	0.040000	529725	-2.7	20.0		
15.16			580								
15.37	15.33	15.47	18837	463071	Endrin	0.040000	470900	-1.7	20.0		
15.53	15.48	15.62	16156	393458	4,4'-DDD	0.040000	403900	-2.7	20.0		
15.86	15.81	15.95	18769	450326	Endosulfan II	0.040000	469225	-4.2	20.0		
16.13	16.08	16.22	18430	454781	4,4'-DDT	0.040000	460725	-1.3	20.0		
16.76	16.71	16.85	14754	348470	Endrin Aldehyde	0.040000	368850	-5.8	20.0		
17.16	17.11	17.25	38979	194359	Methoxychlor	0.200000	194890	-0.3	20.0		
17.33			203								
17.69	17.65	17.79	15823	392055	Endosulfan sulfate	0.040000	395550	-0.9	20.0		
17.97			238								
18.29	18.24	18.38	18803	457258	Endrin Ketone	0.040000	470050	-2.8	20.0		
18.84			176								
20.38	20.33	20.47	16549	408350	Decachlorobiphenyl	0.040000	413700	-1.3	20.0		

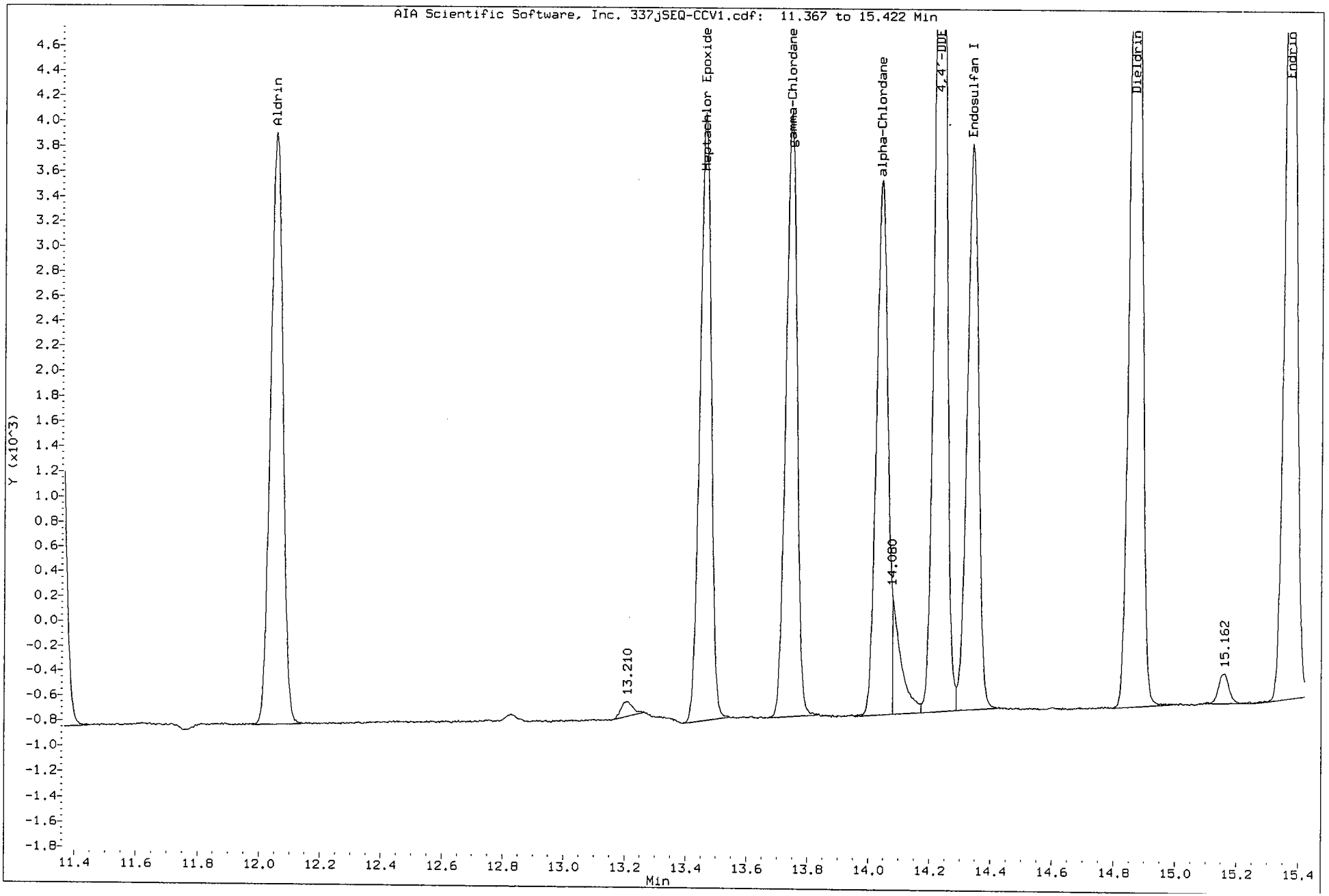
M #2

Manually Integrated Peaks



Start: 13.95 Stop: 14.08

Data File: /chem/tracegc84.i/j100528zf.b/337jSEQ-CCV1.d/337jSEQ-CCV1.cdf
Injection Date: 08-JUN-2010 14:04
Instrument: tracegc84.i
Client Sample ID: INDC3LR



Data File: /chem/tracegc84.i/j100528zf.b/338jSEQ-PEM1.d

Date : 08-JUN-2010 14:33

Client ID: PEMLR

Instrument: tracegc84.i

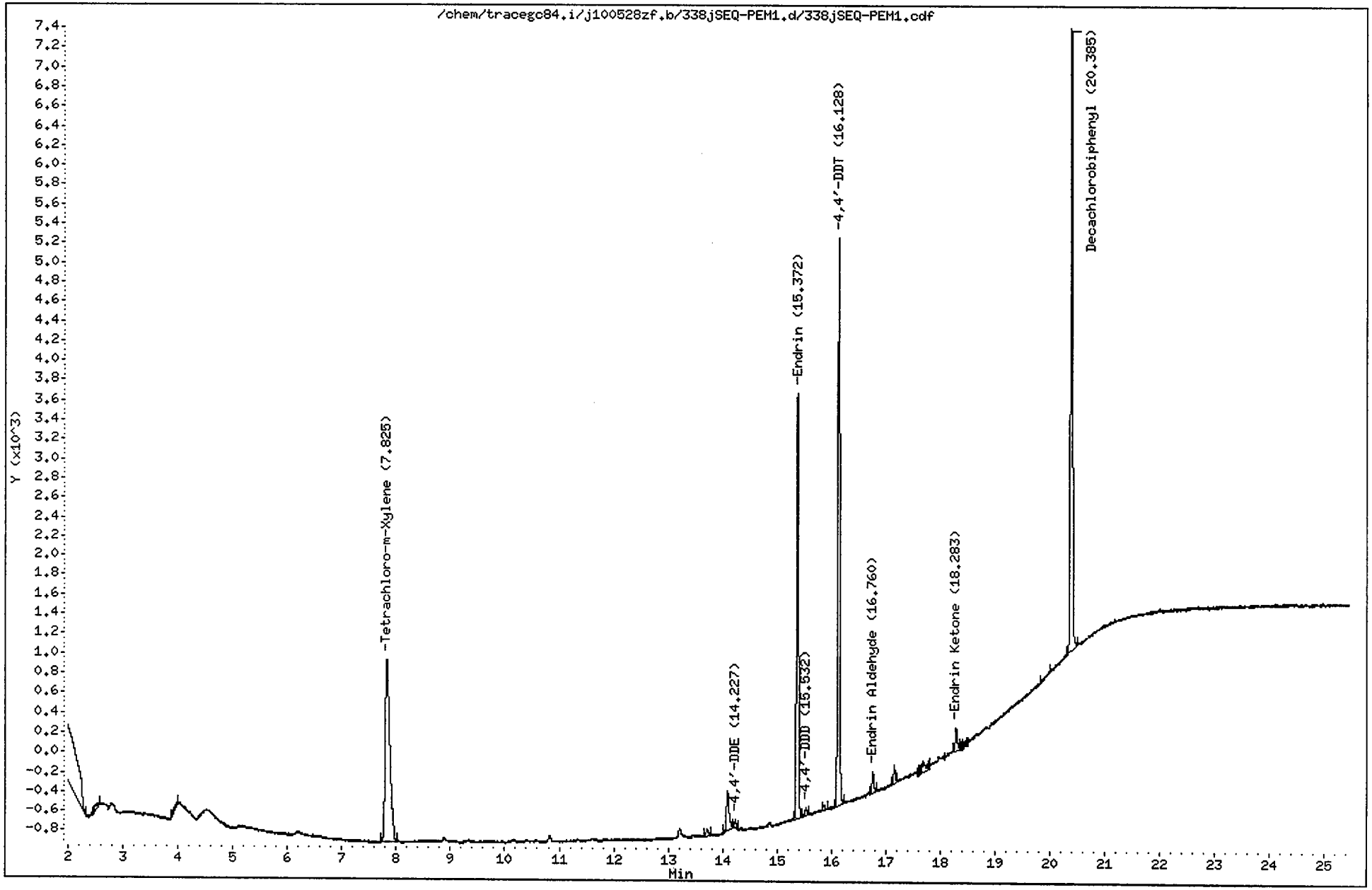
Sample Info: SEQ-PEM1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM1 Client Smp Id : PEMLR
Sample Type : SAMPLE Sublist : PEM
Inj Date : 08-JUN-2010 14:33 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zf.b/8081A_clpestv6.m
Misc. Info : PEMLR

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.29			304								
1.45			63904								
2.54			272								
3.99			177								
7.82	7.77	7.91	11062	522758	Tetrachloro-m-Xylene	0.021160	0.021160		106.9	43 - 135	
13.72			236								
14.09			1385								
14.23	14.19	14.33	199	523741	4,4'-DDE	0.000380	0.000380	0.020000			J
15.37	15.33	15.47	10866	463071	Endrin	0.023464	0.023464	0.020000			
15.53	15.48	15.62	180	393458	4,4'-DDD	0.000457	0.000457	0.020000			J
15.86			160								
16.13	16.08	16.22	14136	454781	4,4'-DDT	0.031083	0.031083	0.020000			
16.76	16.71	16.85	522	348470	Endrin Aldehyde	0.001497	0.001497	0.020000			J
17.16			413								
17.60			125								
17.69			392								
18.28	18.24	18.38	651	457258	Endrin Ketone	0.001424	0.001424	0.020000			J
20.00			157								
20.38	20.33	20.47	16304	408350	Decachlorobiphenyl	0.039927	0.039927		100.8	43 - 144	

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Data File: /chem/tracegc84.i/j100528zf_2C.b/337jSEQ-CCV1.d

Page 1

Date : 08-JUN-2010 14:04

Client ID: INDC3LR

Instrument: tracegc84.i

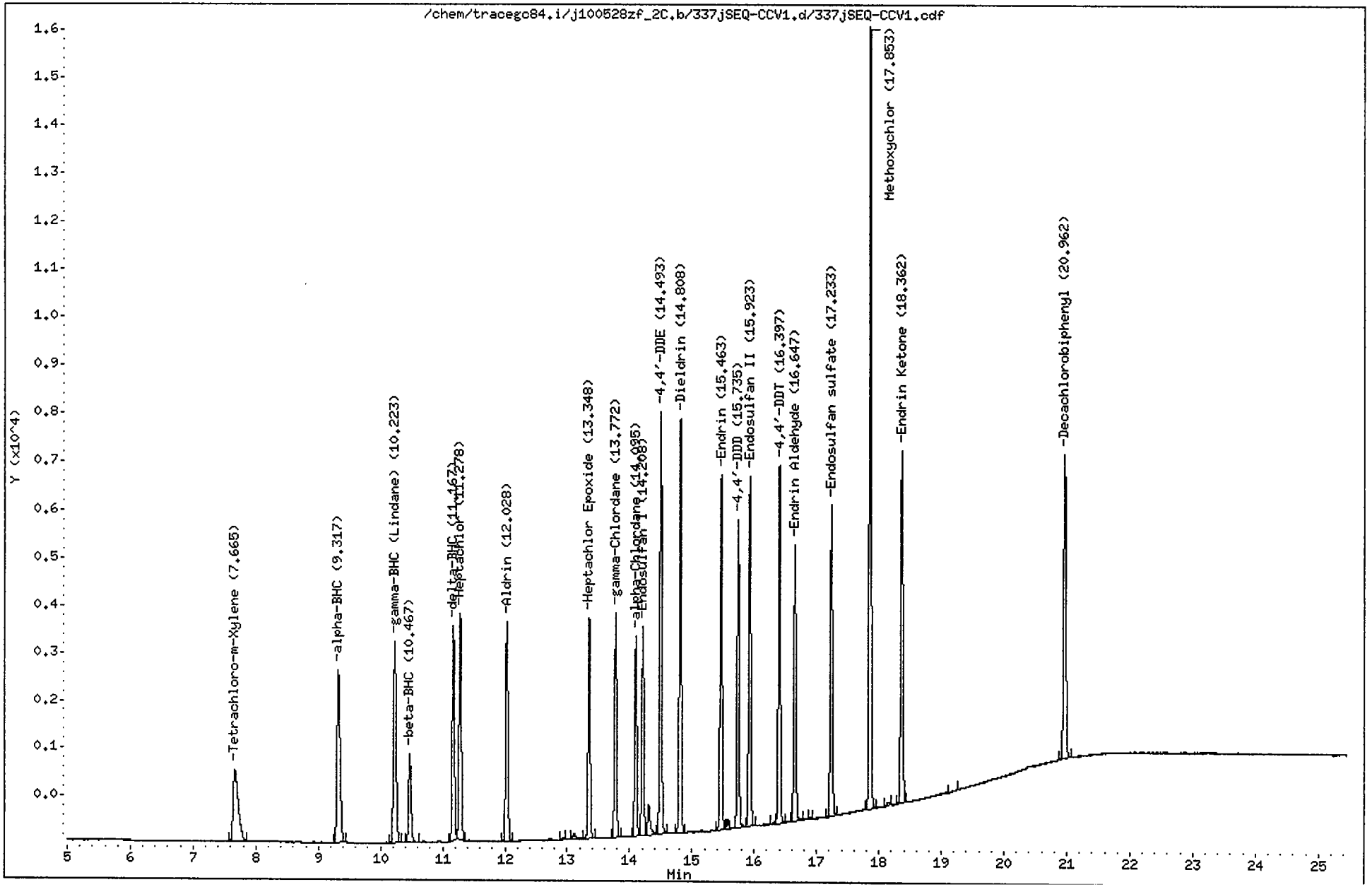
Sample Info: SEQ-CCV1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV1 Client Smp Id : INDC3LR
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 08-JUN-2010 14:04 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zf_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3LR

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.31			105								
1.45			9064								
7.66	7.61	7.75	8480	416798	Tetrachloro-m-Xylene	0.020000	424025	-1.7	20.0		
9.32	9.26	9.40	12483	607758	alpha-BHC	0.020000	624130	-2.7	20.0		
10.22	10.17	10.31	12149	585542	gamma-BHC (Lindane)	0.020000	607430	-3.7	20.0		
10.47	10.41	10.55	5164	248610	beta-BHC	0.020000	258215	-3.9	20.0		
11.17	11.11	11.25	11097	551235	delta-BHC	0.020000	554853	-0.7	20.0		
11.28	11.22	11.36	11922	579497	Heptachlor	0.020000	596083	-2.9	20.0		
12.03	11.97	12.11	11187	542192	Aldrin	0.020000	559367	-3.2	20.0		
12.93			104								
13.11			373								
13.35	13.29	13.43	10523	511912	Heptachlor Epoxide	0.020000	526170	-2.8	20.0		
13.77	13.71	13.85	10573	513150	gamma-Chlordane	0.020000	528632	-3.0	20.0		
14.10	14.04	14.18	9210	446248	alpha-Chlordane	0.020000	460495	-3.2	20.0		
14.21	14.15	14.29	9840	477982	Endosulfan I	0.020000	492015	-2.9	20.0		
14.30			1817								
14.49	14.43	14.57	19235	468602	4,4'-DDE	0.040000	480875	-2.6	20.0		
14.81	14.75	14.89	19107	461929	Dieldrin	0.040000	477671	-3.4	20.0		
15.46	15.40	15.54	16592	408649	Endrin	0.040000	414788	-1.5	20.0		
15.57			444								
15.74	15.67	15.81	13815	340626	4,4'-DDD	0.040000	345364	-1.4	20.0		
15.92	15.86	16.00	16636	404930	Endosulfan II	0.040000	415911	-2.7	20.0		
16.32			96								
16.40	16.33	16.47	16236	405929	4,4'-DDT	0.040000	405906	0.0	20.0		
16.65	16.59	16.73	13237	316985	Endrin Aldehyde	0.040000	330915	-4.4	20.0		
16.90			93								
17.23	17.17	17.31	14719	366674	Endosulfan sulfate	0.040000	367986	-0.4	20.0		
17.85	17.79	17.93	36098	182916	Methoxychlor	0.200000	180491	1.3	20.0		
18.14			237								
18.36	18.30	18.44	17152	419519	Endrin Ketone	0.040000	428807	-2.2	20.0		
19.26			125								
20.96	20.90	21.04	16455	406698	Decachlorobiphenyl	0.040000	411368	-1.1	20.0		

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Data File: /chem/tracegc84.i/j100528zf_2C.b/338jSEQ-PEM1.d

Date : 08-JUN-2010 14:33

Client ID: PEMLR

Instrument: tracegc84.i

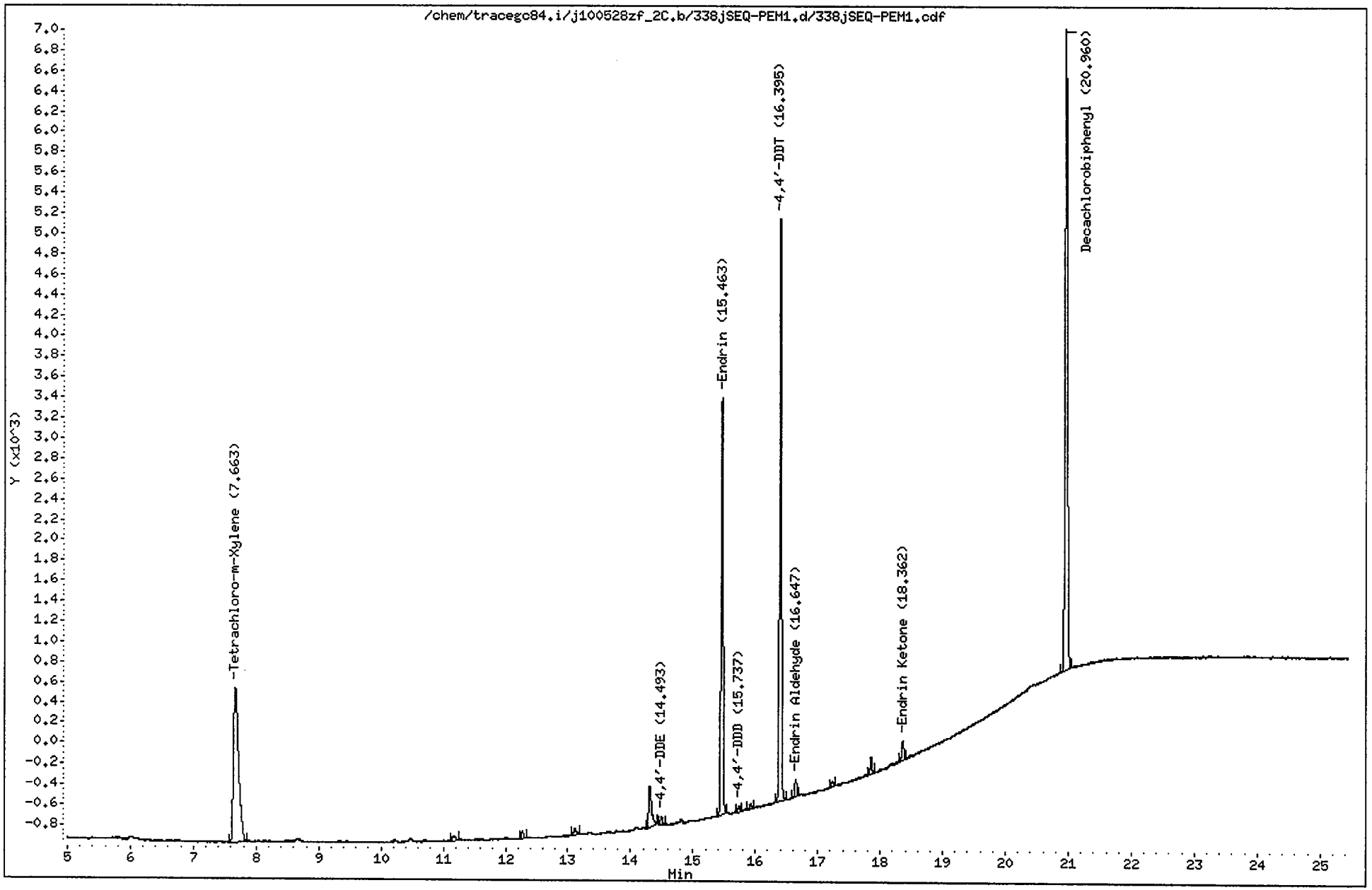
Sample Info: SEQ-PEM1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM1 Client Smp Id : PEMLR
Sample Type : SAMPLE Sublist : PEM
Inj Date : 08-JUN-2010 14:33 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zf_2C.b/8081A_clpest2v6.m
Misc. Info : PEMLR

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.44			8187								
7.66	7.61	7.75	8645	416798	Tetrachloro-m-Xylene	0.020742	0.020742		104.8	43 - 135	
11.18			164								
12.27			189								
13.11			192								
14.31			1276								
14.49	14.43	14.57	161	468602	4,4'-DDE	0.000344	0.000344	0.020000			J
15.46	15.40	15.54	9181	408649	Endrin	0.022466	0.022466	0.020000			
15.74	15.67	15.81	142	340626	4,4'-DDD	0.000417	0.000417	0.020000			J
15.92			115								
16.40	16.33	16.47	12198	405929	4,4'-DDT	0.030050	0.030050	0.020000			
16.65	16.59	16.73	409	316985	Endrin Aldehyde	0.001289	0.001289	0.020000			J
17.23			132								
17.85			343								
18.36	18.30	18.44	447	419519	Endrin Ketone	0.001065	0.001065	0.020000			J
20.96	20.90	21.04	16271	406698	Decachlorobiphenyl	0.040008	0.040008		101.0	43 - 144	

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Manual Integrations							
SDG:							
Sample(s)	SEQ-CCV1						
Compound							
alpha-BHC							
gamma-BHC							
beta-BHC							
delta-BHC							
Heptachlor							
Aldrin							
Heptachlor Epoxide							
gamma-Chlordane							
alpha-Chlordane	x						
Endosulfan I							
4,4'-DDE							
Dieldrin							
Endrin							
4,4'-DDD							
Endosulfan II							
4,4'-DDT							
Endrin Aldehyde							
Endosulfan sulfate							
Methoxychlor							
Endrin Ketone							
Toxaphene							
Technical Chordane							
Tetrachloro-m-xylene							
Decachlorbiphenyl							
"X" Denotes a manual integration for the compound							

Data File: /chem/tracegc84.i/j100528zg.b/349jSEQ-CCV2.d

Date : 08-JUN-2010 19:51

Client ID: INDC3LT

Sample Info: SEQ-CCV2

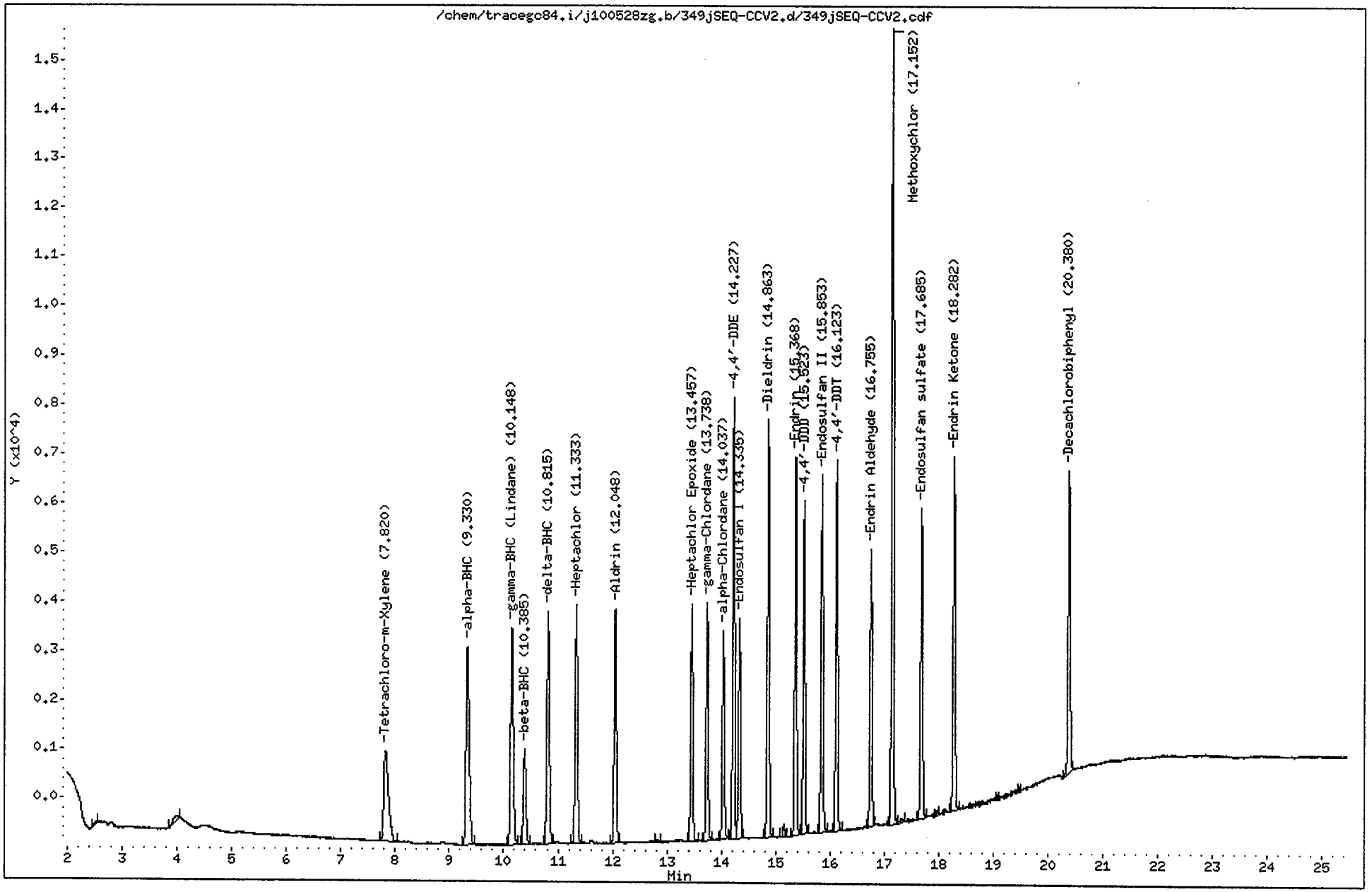
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV2 Client Smp Id : INDC3LT
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 08-JUN-2010 19:51 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zg.b/8081A_clpestv6.m
Misc. Info : INDC3LT

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.35			131								
1.46			30167								
2.52			172								
4.00			653								
7.82	7.77	7.91	11206	522758	Tetrachloro-m-Xylene	0.020000	560318	-7.2	20.0		
9.33	9.29	9.43	16430	775960	alpha-BHC	0.020000	821485	-5.9	20.0		
10.15	10.11	10.25	15470	729192	gamma-BHC (Lindane)	0.020000	773490	-6.1	20.0		
10.38	10.34	10.48	6451	300532	beta-BHC	0.020000	322550	-7.3	20.0		
10.82	10.77	10.91	14769	689518	delta-BHC	0.020000	738470	-7.1	20.0		
11.33	11.29	11.43	14564	695465	Heptachlor	0.020000	728205	-4.7	20.0		
12.05	12.01	12.15	13332	636570	Aldrin	0.020000	666575	-4.7	20.0		
12.82			175								
13.46	13.42	13.56	12316	593700	Heptachlor Epoxide	0.020000	615795	-3.7	20.0		
13.74	13.70	13.84	12314	594875	gamma-Chlordane	0.020000	615713	-3.5	20.0		
14.04	14.00	14.14	10978	516712	alpha-Chlordane	0.020000	548892	-6.2	20.0		
14.23	14.19	14.33	21579	523741	4,4'-DDE	0.040000	539485	-3.0	20.0		
14.34	14.29	14.43	11427	548162	Endosulfan I	0.020000	571347	-4.2	20.0		
14.86	14.82	14.96	21415	515556	Dieldrin	0.040000	535375	-3.8	20.0		
15.15			587								
15.37	15.33	15.47	19690	463071	Endrin	0.040000	492254	-6.3	20.0		
15.52	15.48	15.62	16173	393458	4,4'-DDD	0.040000	404318	-2.8	20.0		
15.85	15.81	15.95	18423	450326	Endosulfan II	0.040000	460585	-2.3	20.0		
16.12	16.08	16.22	18205	454781	4,4'-DDT	0.040000	455119	-0.1	20.0		
16.76	16.71	16.85	13998	348470	Endrin Aldehyde	0.040000	349955	-0.4	20.0		
17.15	17.11	17.25	38965	194359	Methoxychlor	0.200000	194827	-0.2	20.0		
17.32			259								
17.68	17.65	17.79	15808	392055	Endosulfan sulfate	0.040000	395211	-0.8	20.0		
17.96			335								
18.28	18.24	18.38	18222	457258	Endrin Ketone	0.040000	455545	0.4	20.0		
19.08			171								
19.46			130								
20.38	20.33	20.47	15965	408350	Decachlorobiphenyl	0.040000	399133	2.3	20.0		

Data File: /chem/tracegc84.i/j100528zg.b/350jSEQ-PEM2.d

Date : 08-JUN-2010 20:20

Client ID: PEMLT

Instrument: tracegc84.i

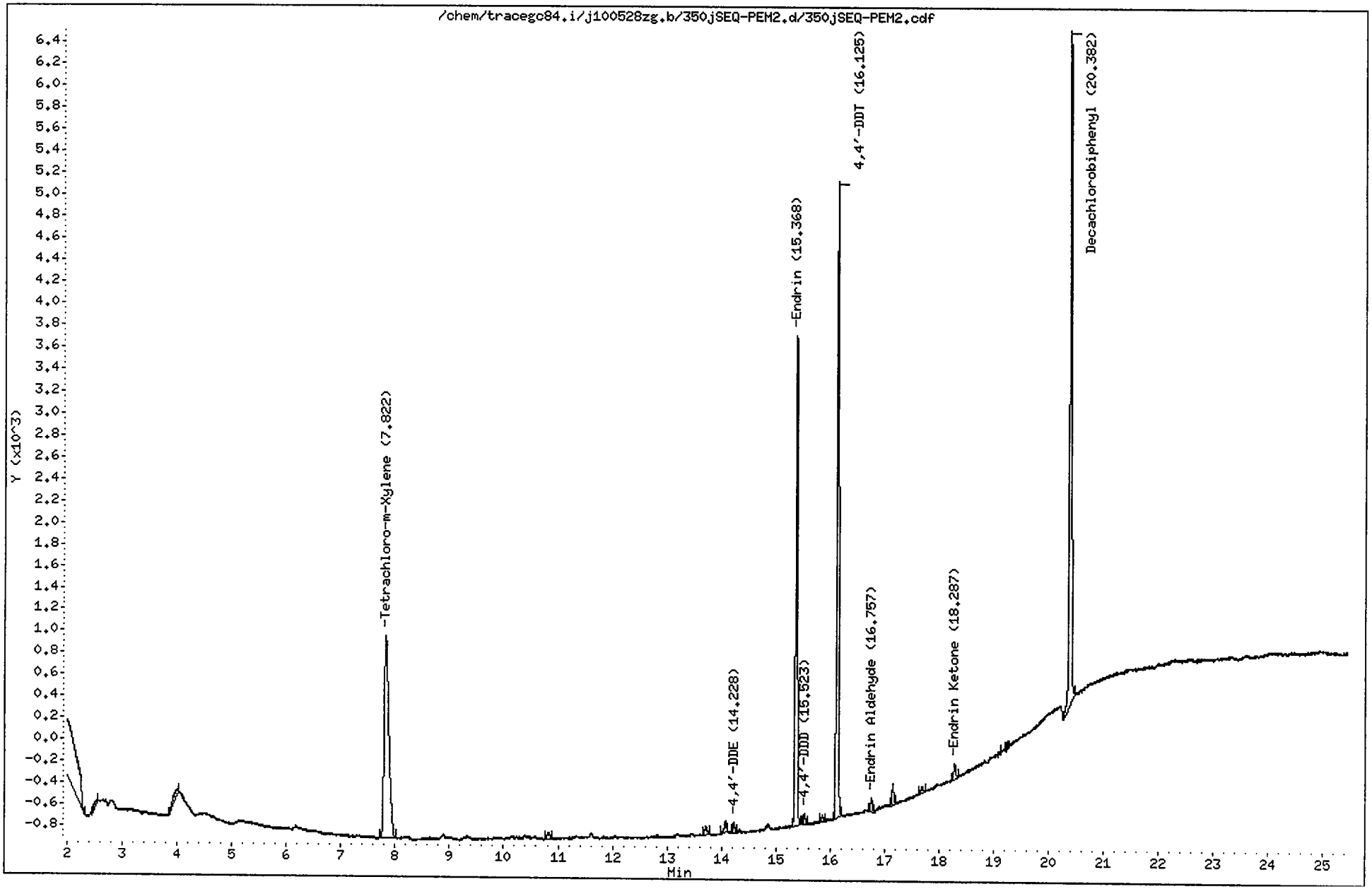
Sample Info: SEQ-PEM2

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM2 Client Smp Id : PEMLT
Sample Type : SAMPLE Sublist : PEM
Inj Date : 08-JUN-2010 20:20 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zg.b/8081A_clpestv6.m
Misc. Info : PEMLT

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.04			255								
1.45			66607								
2.53			172								
4.00			563								
7.82	7.77	7.91	11220	522758	Tetrachloro-m-Xylene	0.021464	0.021464		108.4	43 - 135	
10.82			201								
13.71			235								
14.07			333								
14.23	14.19	14.33	259	523741	4,4'-DDE	0.000494	0.000494	0.020000			J
15.37	15.33	15.47	11248	463071	Endrin	0.024289	0.024289	0.020000			
15.52	15.48	15.62	228	393458	4,4'-DDD	0.000580	0.000580	0.020000			J
15.86			144								
16.12	16.08	16.22	13909	454781	4,4'-DDT	0.030585	0.030585	0.020000			
16.76	16.71	16.85	329	348470	Endrin Aldehyde	0.000944	0.000944	0.020000			J
17.15			445								
17.69			184								
18.29	18.24	18.38	397	457258	Endrin Ketone	0.000867	0.000867	0.020000			J
20.38	20.33	20.47	16152	408350	Decachlorobiphenyl	0.039555	0.039555		99.9	43 - 144	

16/9/10

Data File: /chem/tracegc84.i/j100528zg_2C.b/349jSEQ-CCV2.d

Date : 08-JUN-2010 19:51

Client ID: INDC3LT

Instrument: tracegc84.i

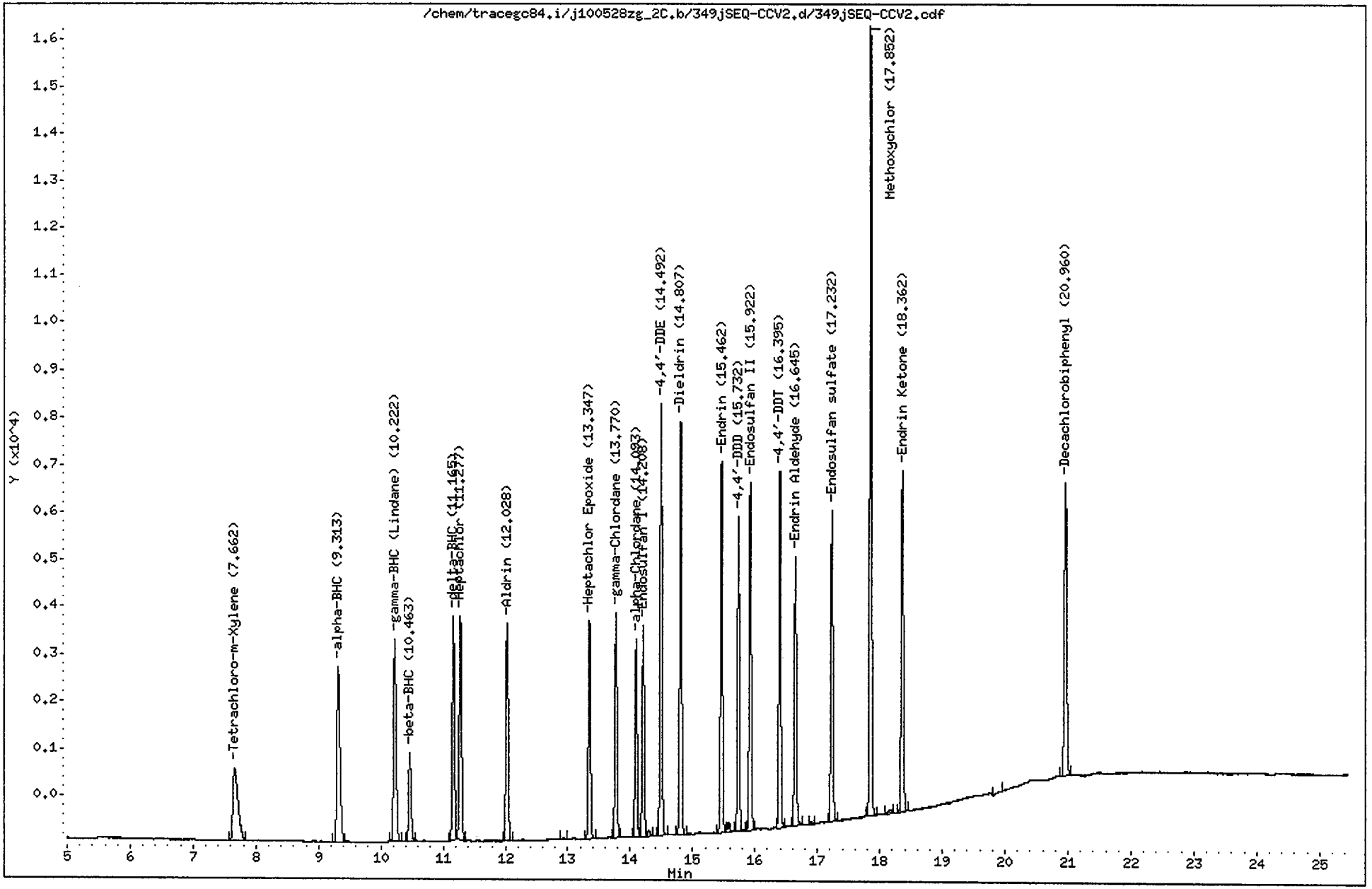
Sample Info: SEQ-CCV2

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV2 Client Smp Id : INDC3LT
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 08-JUN-2010 19:51 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zg_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3LT

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.31			121								
1.45			8825								
3.30			125								
7.66	7.61	7.75	8683	416798	Tetrachloro-m-Xylene	0.020000	434165	-4.2	20.0		
9.31	9.26	9.40	12755	607758	alpha-BHC	0.020000	637770	-4.9	20.0		
10.22	10.17	10.31	12336	585542	gamma-BHC (Lindane)	0.020000	616805	-5.3	20.0		
10.46	10.41	10.55	5226	248610	beta-BHC	0.020000	261318	-5.1	20.0		
11.16	11.11	11.25	11505	551235	delta-BHC	0.020000	575265	-4.4	20.0		
11.28	11.22	11.36	12141	579497	Heptachlor	0.020000	607043	-4.8	20.0		
12.03	11.97	12.11	11274	542192	Aldrin	0.020000	563712	-4.0	20.0		
12.93			102								
13.35	13.29	13.43	10565	511912	Heptachlor Epoxide	0.020000	528260	-3.2	20.0		
13.77	13.71	13.85	10642	513150	gamma-Chlordane	0.020000	532085	-3.7	20.0		
14.09	14.04	14.18	9305	446248	alpha-Chlordane	0.020000	465240	-4.3	20.0		
14.21	14.15	14.29	9964	477982	Endosulfan I	0.020000	498223	-4.2	20.0		
14.30			337								
14.49	14.43	14.57	19510	468602	4,4'-DDE	0.040000	487742	-4.1	20.0		
14.81	14.75	14.89	19245	461929	Dieldrin	0.040000	481122	-4.2	20.0		
15.46	15.40	15.54	17441	408649	Endrin	0.040000	436014	-6.7	20.0		
15.57			456								
15.73	15.67	15.81	13918	340626	4,4'-DDD	0.040000	347946	-2.1	20.0		
15.92	15.86	16.00	16618	404930	Endosulfan II	0.040000	415440	-2.6	20.0		
16.40	16.33	16.47	16215	405929	4,4'-DDT	0.040000	405376	0.1	20.0		
16.64	16.59	16.73	12864	316985	Endrin Aldehyde	0.040000	321591	-1.5	20.0		
16.90			104								
17.23	17.17	17.31	14859	366674	Endosulfan sulfate	0.040000	371470	-1.3	20.0		
17.85	17.79	17.93	36411	182916	Methoxychlor	0.200000	182057	0.5	20.0		
18.17			314								
18.36	18.30	18.44	16793	419519	Endrin Ketone	0.040000	419835	-0.1	20.0		
19.95			164								
20.96	20.90	21.04	15844	406698	Decachlorobiphenyl	0.040000	396095	2.6	20.0		

Data File: /chem/tracegc84.i/j100528zg_2C.b/350jSEQ-PEM2.d

Date : 08-JUN-2010 20:20

Client ID: PEMLT

Instrument: tracegc84.i

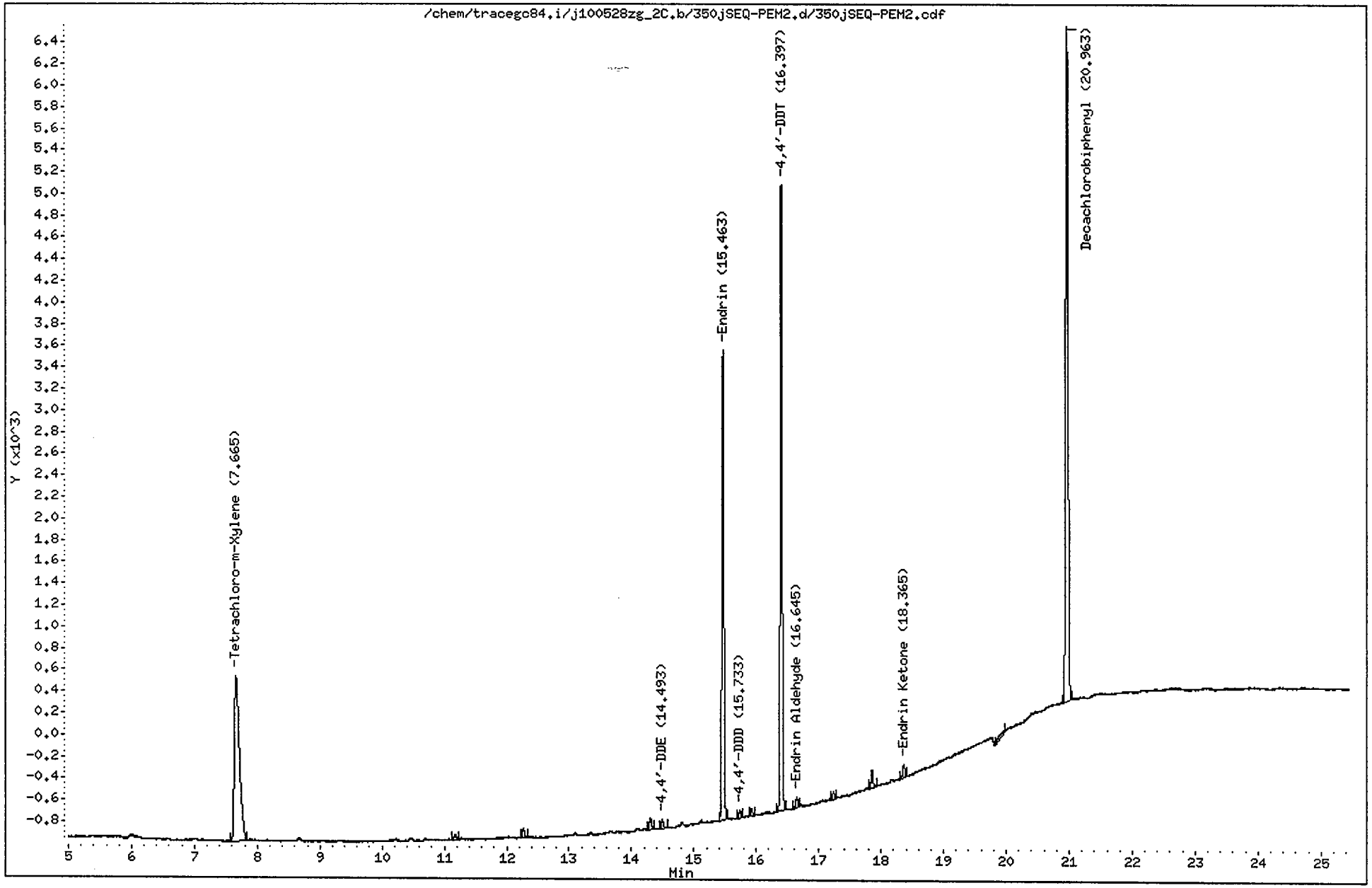
Sample Info: SEQ-PEM2

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM2 Client Smp Id : PEMLT
Sample Type : SAMPLE Sublist : PEM
Inj Date : 08-JUN-2010 20:20 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zg_2C.b/8081A_clpest2v6.m
Misc. Info : PEMLT

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.43			2116								
3.31			143								
7.66	7.61	7.75	8697	416798	Tetrachloro-m-Xylene	0.020867	0.020867		105.4	43 - 135	
11.17			139								
12.27			209								
14.30			283								
14.49	14.43	14.57	200	468602	4,4'-DDE	0.000427	0.000427	0.020000			J
15.46	15.40	15.54	9604	408649	Endrin	0.023503	0.023503	0.020000			
15.73	15.67	15.81	153	340626	4,4'-DDD	0.000449	0.000449	0.020000			J
15.93			143								
16.40	16.33	16.47	12173	405929	4,4'-DDT	0.029988	0.029988	0.020000			
16.64	16.59	16.73	209	316985	Endrin Aldehyde	0.000659	0.000659	0.020000			J
17.23			145								
17.85			363								
18.36	18.30	18.44	289	419519	Endrin Ketone	0.000688	0.000688	0.020000			J
19.97			292								
20.96	20.90	21.04	15756	406698	Decachlorobiphenyl	0.038741	0.038741		97.8	43 - 144	

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Data File: /chem/tracegc84.i/j100528zh.b/361jSEQ-CCV3.d

Page 1

Date : 09-JUN-2010 01:38

Client ID: INDC3LV

Instrument: tracegc84.i

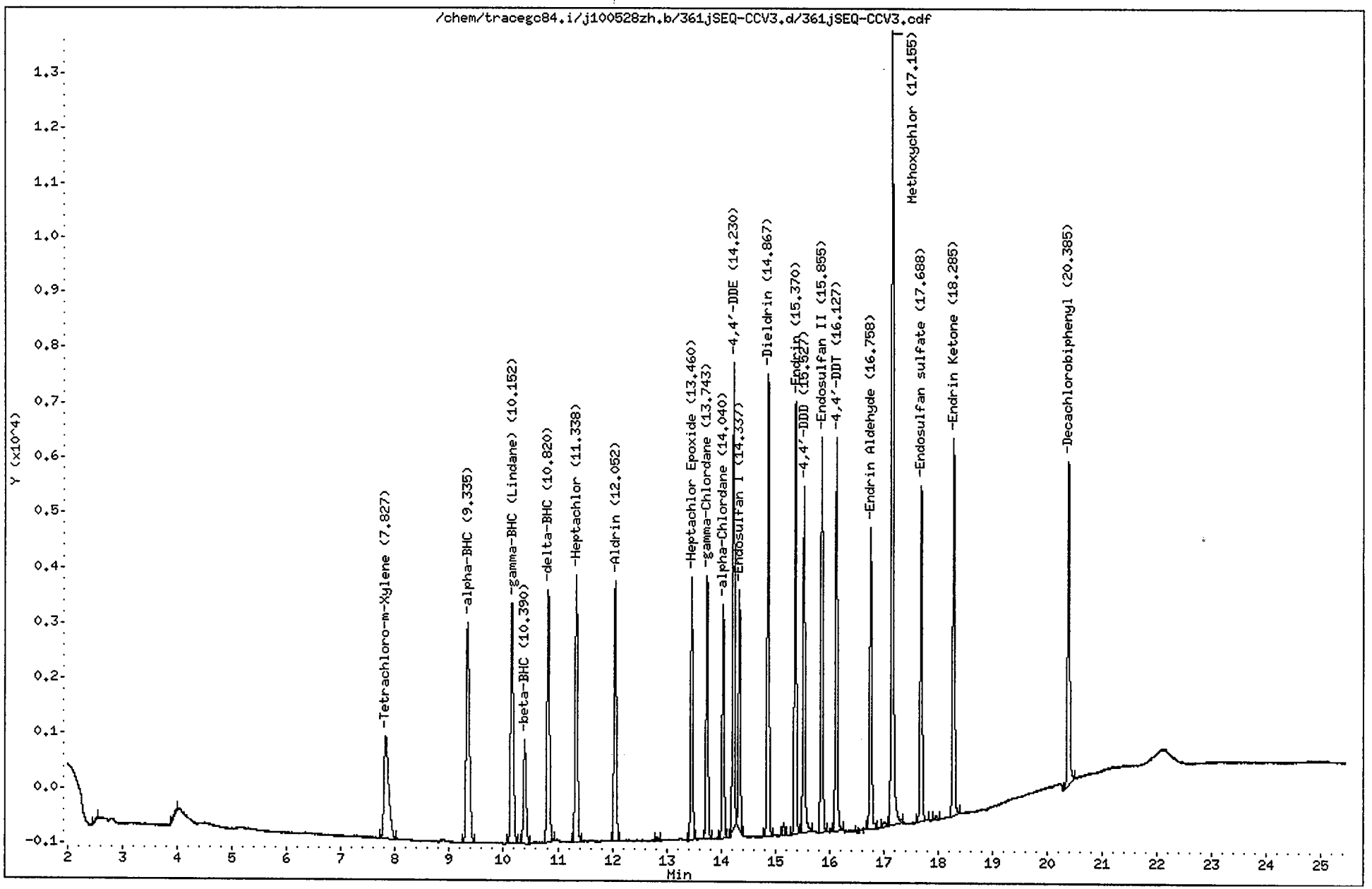
Sample Info: SEQ-CCV3

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV3 Client Smp Id : INDC3LV
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 09-JUN-2010 01:38 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zh.b/8081A_clpestv6.m
Misc. Info : INDC3LV

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.35			175								
1.46			30491								
2.52			152								
4.00			373								
7.83	7.77	7.91	11140	522758	Tetrachloro-m-Xylene	0.020000	557025	-6.6	20.0		
9.34	9.29	9.43	16323	775960	alpha-BHC	0.020000	816155	-5.2	20.0		
10.15	10.11	10.25	15303	729192	gamma-BHC (Lindane)	0.020000	765167	-4.9	20.0		
10.39	10.34	10.48	6366	300532	beta-BHC	0.020000	318313	-5.9	20.0		
10.82	10.77	10.91	14339	689518	delta-BHC	0.020000	716975	-4.0	20.0		
11.34	11.29	11.43	14455	695465	Heptachlor	0.020000	722732	-3.9	20.0		
12.05	12.01	12.15	13224	636570	Aldrin	0.020000	661217	-3.9	20.0		
12.83			172								
13.46	13.42	13.56	12237	593700	Heptachlor Epoxide	0.020000	611863	-3.1	20.0		
13.74	13.70	13.84	12218	594875	gamma-Chlordane	0.020000	610883	-2.7	20.0		
14.04	14.00	14.14	10628	516712	alpha-Chlordane	0.020000	531385	-2.8	20.0		
14.23	14.19	14.33	20422	523741	4,4'-DDE	0.040000	510552	2.5	20.0		
14.34	14.29	14.43	10766	548162	Endosulfan I	0.020000	538310	1.8	20.0		
14.87	14.82	14.96	21164	515556	Dieldrin	0.040000	529102	-2.6	20.0		
15.15			559								
15.37	15.33	15.47	19521	463071	Endrin	0.040000	488013	-5.4	20.0		
15.53	15.48	15.62	15785	393458	4,4'-DDD	0.040000	394623	-0.3	20.0		
15.86	15.81	15.95	18114	450326	Endosulfan II	0.040000	452839	-0.6	20.0		
16.13	16.08	16.22	17608	454781	4,4'-DDT	0.040000	440211	3.2	20.0		
16.76	16.71	16.85	14250	348470	Endrin Aldehyde	0.040000	356253	-2.2	20.0		
17.01			321								
17.16	17.11	17.25	37904	194359	Methoxychlor	0.200000	189519	2.5	20.0		
17.69	17.65	17.79	15734	392055	Endosulfan sulfate	0.040000	393345	-0.3	20.0		
17.96			200								
18.28	18.24	18.38	17831	457258	Endrin Ketone	0.040000	445777	2.5	20.0		
20.38	20.33	20.47	15717	408350	Decachlorobiphenyl	0.040000	392915	3.8	20.0		

Data File: /chem/tracegc84.i/j100528zh.b/362jSEQ-PEM3.d

Date : 09-JUN-2010 02:07

Client ID: PEMLV

Instrument: tracegc84.i

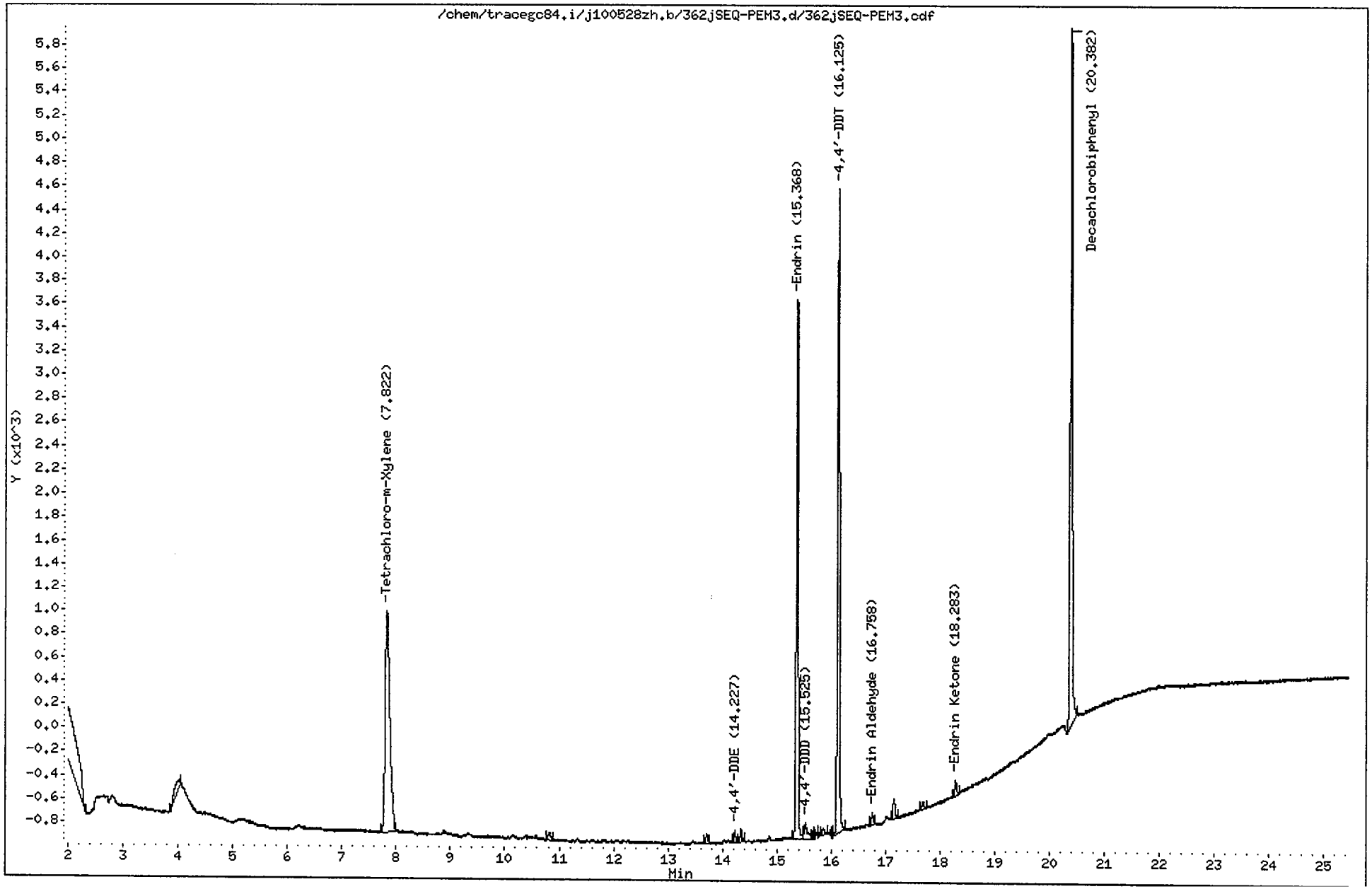
Sample Info: SEQ-PEM3

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM3 Client Smp Id : PEMLV
Sample Type : SAMPLE Sublist : PEM
Inj Date : 09-JUN-2010 02:07 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zh.b/8081A_clpestv6.m
Misc. Info : PEMLV

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.37			652								
1.45			60002								
3.99			731								
7.82	7.77	7.91	11182	522758	Tetrachloro-m-Xylene	0.021391	0.021391		108.0	43 - 135	
10.81			193								
13.71			224								
14.23	14.19	14.33	237	523741	4,4'-DDE	0.000453	0.000453	0.020000			J
14.34			246								
15.37	15.33	15.47	11527	463071	Endrin	0.024892	0.024892	0.020000			
15.52	15.48	15.62	656	393458	4,4'-DDD	0.001666	0.001666	0.020000			J
15.68			130								
15.85			159								
16.12	16.08	16.22	13530	454781	4,4'-DDT	0.029750	0.029750	0.020000			
16.76	16.71	16.85	233	348470	Endrin Aldehyde	0.000667	0.000667	0.020000			J
17.16			458								
17.69			162								
18.28	18.24	18.38	336	457258	Endrin Ketone	0.000735	0.000735	0.020000			J
20.38	20.33	20.47	15679	408350	Decachlorobiphenyl	0.038396	0.038396		97.0	43 - 144	

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Data File: /chem/tracegc84.i/j100528zh_2C.b/361jSEQ-CCV3.d

Date : 09-JUN-2010 01:38

Client ID: INDC3LV

Instrument: tracegc84.i

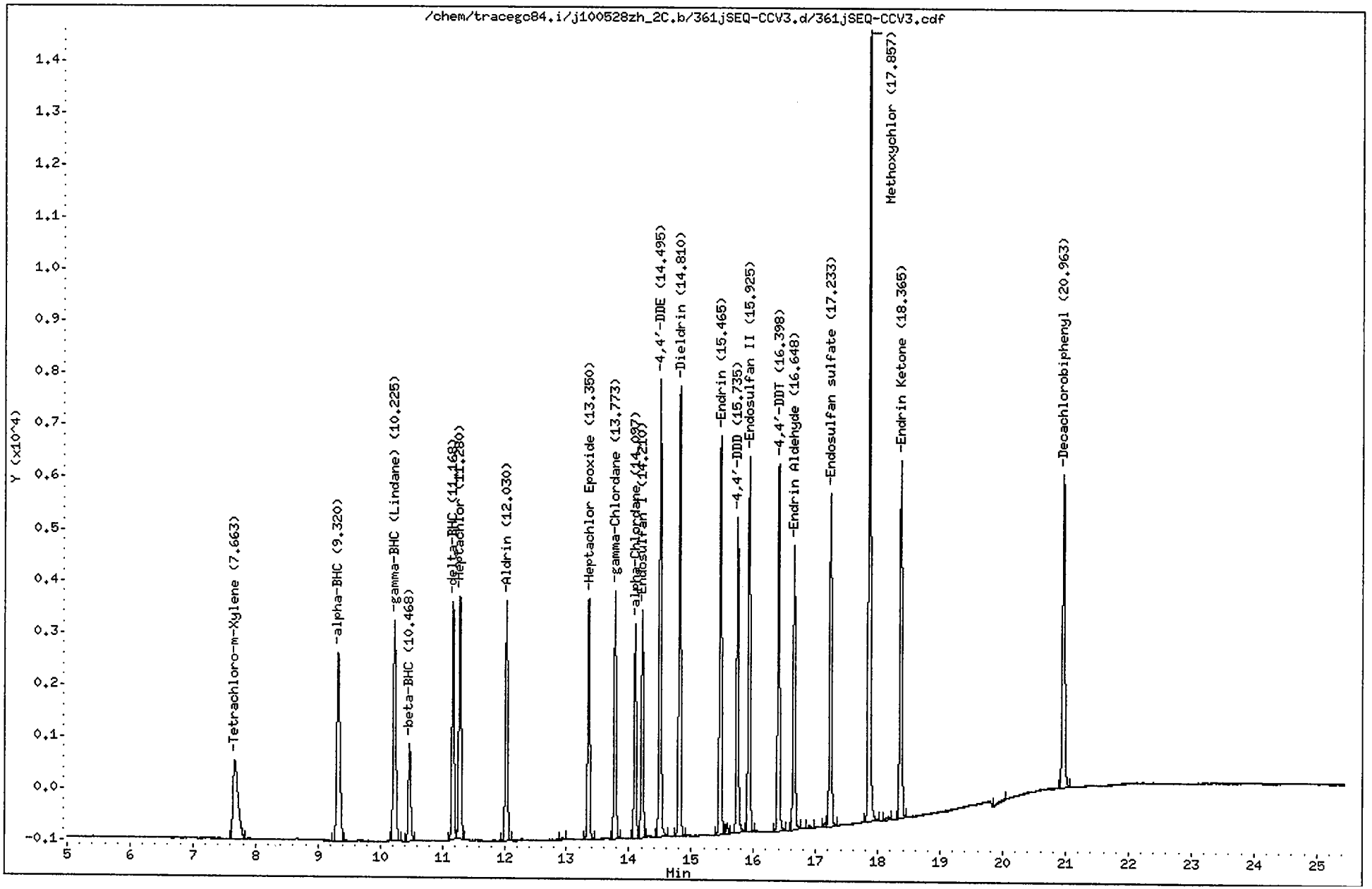
Sample Info: SEQ-CCV3

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV3 Client Smp Id : INDC3LV
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 09-JUN-2010 01:38 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zh_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3LV

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.46			8803								
3.36			342								
7.66	7.61	7.75	8571	416798	Tetrachloro-m-Xylene	0.020000	428530	-2.8	20.0		
9.32	9.26	9.40	12601	607758	alpha-BHC	0.020000	630060	-3.7	20.0		
10.22	10.17	10.31	12151	585542	gamma-BHC (Lindane)	0.020000	607565	-3.8	20.0		
10.47	10.41	10.55	5097	248610	beta-BHC	0.020000	254870	-2.5	20.0		
11.17	11.11	11.25	11161	551235	delta-BHC	0.020000	558053	-1.2	20.0		
11.28	11.22	11.36	12033	579497	Heptachlor	0.020000	601655	-3.8	20.0		
12.03	11.97	12.11	11166	542192	Aldrin	0.020000	558283	-3.0	20.0		
12.93			103								
13.35	13.29	13.43	10475	511912	Heptachlor Epoxide	0.020000	523775	-2.3	20.0		
13.77	13.71	13.85	10515	513150	gamma-Chlordane	0.020000	525773	-2.5	20.0		
14.10	14.04	14.18	9159	446248	alpha-Chlordane	0.020000	457938	-2.6	20.0		
14.21	14.15	14.29	9835	477982	Endosulfan I	0.020000	491742	-2.9	20.0		
14.50	14.43	14.57	19201	468602	4,4'-DDE	0.040000	480020	-2.4	20.0		
14.81	14.75	14.89	19046	461929	Dieldrin	0.040000	476145	-3.1	20.0		
15.46	15.40	15.54	17461	408649	Endrin	0.040000	436516	-6.8	20.0		
15.57			454								
15.74	15.67	15.81	13539	340626	4,4'-DDD	0.040000	338485	0.6	20.0		
15.92	15.86	16.00	16365	404930	Endosulfan II	0.040000	409120	-1.0	20.0		
16.40	16.33	16.47	15486	405929	4,4'-DDT	0.040000	387160	4.6	20.0		
16.65	16.59	16.73	12508	316985	Endrin Aldehyde	0.040000	312697	1.4	20.0		
16.91			148								
17.15			198								
17.23	17.17	17.31	14656	366674	Endosulfan sulfate	0.040000	366390	0.1	20.0		
17.86	17.79	17.93	35082	182916	Methoxychlor	0.200000	175410	4.1	20.0		
18.14			217								
18.36	18.30	18.44	16269	419519	Endrin Ketone	0.040000	406724	3.0	20.0		
20.03			236								
20.96	20.90	21.04	15566	406698	Decachlorobiphenyl	0.040000	389161	4.3	20.0		

Data File: /chem/tracegc84.i/j100528zh_2C.b/362jSEQ-PEM3.d

Date : 09-JUN-2010 02:07

Client ID: PEMLV

Instrument: tracegc84.i

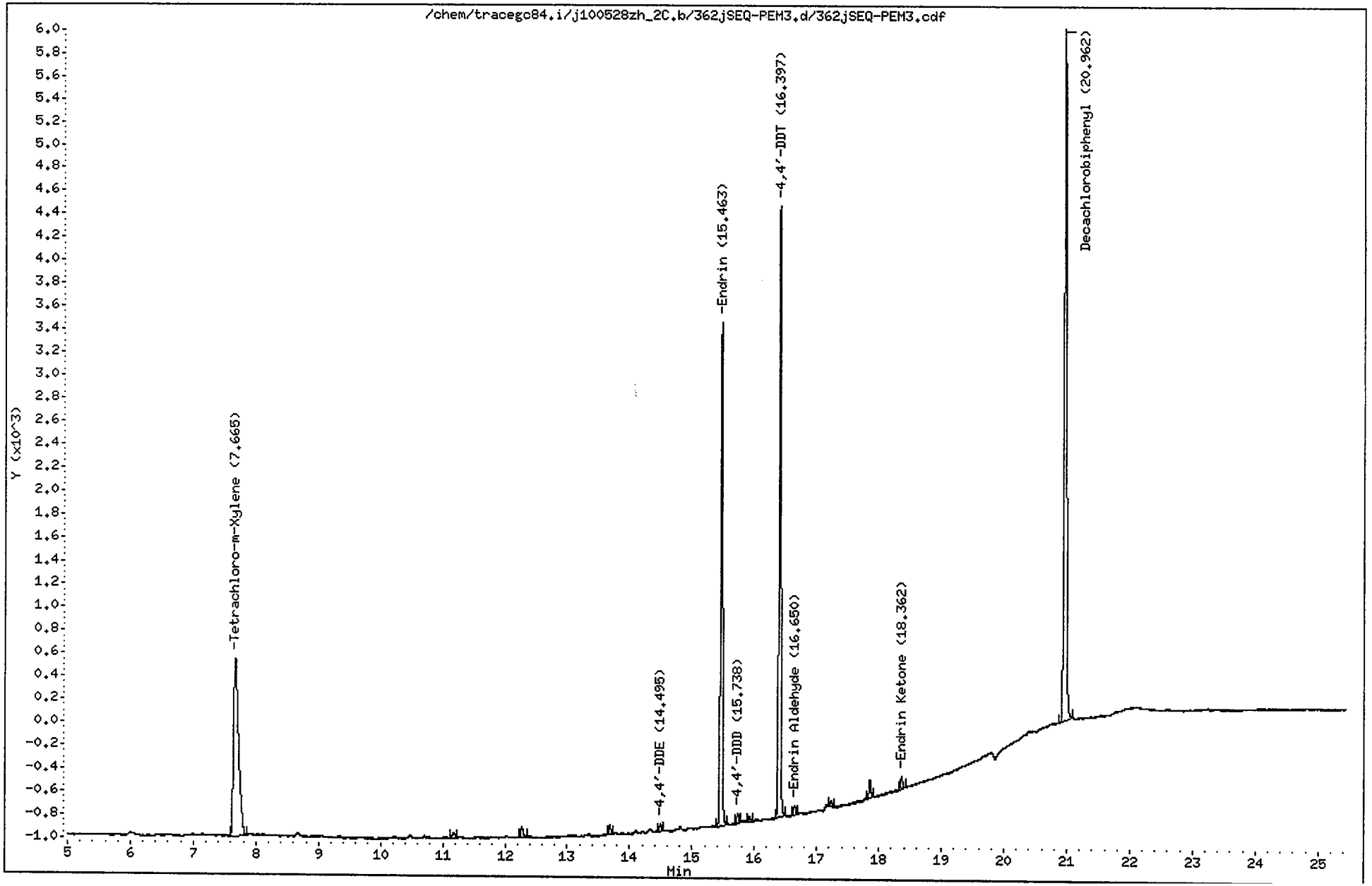
Sample Info: SEQ-PEM3

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM3 Client Smp Id : PEMLV
Sample Type : SAMPLE Sublist : PEM
Inj Date : 09-JUN-2010 02:07 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zh_2C.b/8081A_clpest2v6.m
Misc. Info : PEMLV

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.44			11502								
3.35			419								
7.66	7.61	7.75	8613	416798	Tetrachloro-m-Xylene	0.020665	0.020665		104.4	43 - 135	
11.18			138								
12.27			241								
13.68			187								
14.50	14.43	14.57	156	468602	4,4'-DDE	0.000332	0.000332	0.020000			J
15.46	15.40	15.54	9652	408649	Endrin	0.023619	0.023619	0.020000			
15.74	15.67	15.81	187	340626	4,4'-DDD	0.000549	0.000549	0.020000			J
15.92			101								
16.40	16.33	16.47	11462	405929	4,4'-DDT	0.028236	0.028236	0.020000			
16.65	16.59	16.73	194	316985	Endrin Aldehyde	0.000612	0.000612	0.020000			J
17.23			111								
17.86			343								
18.36	18.30	18.44	253	419519	Endrin Ketone	0.000604	0.000604	0.020000			J
20.96	20.90	21.04	15679	406698	Decachlorobiphenyl	0.038553	0.038553		97.4	43 - 144	

Data File: /chem/tracegc84.i/j100528zi.b/371jSEQ-CCV4.d

Date : 09-JUN-2010 06:27

Client ID: INDC3LX

Instrument: tracegc84.i

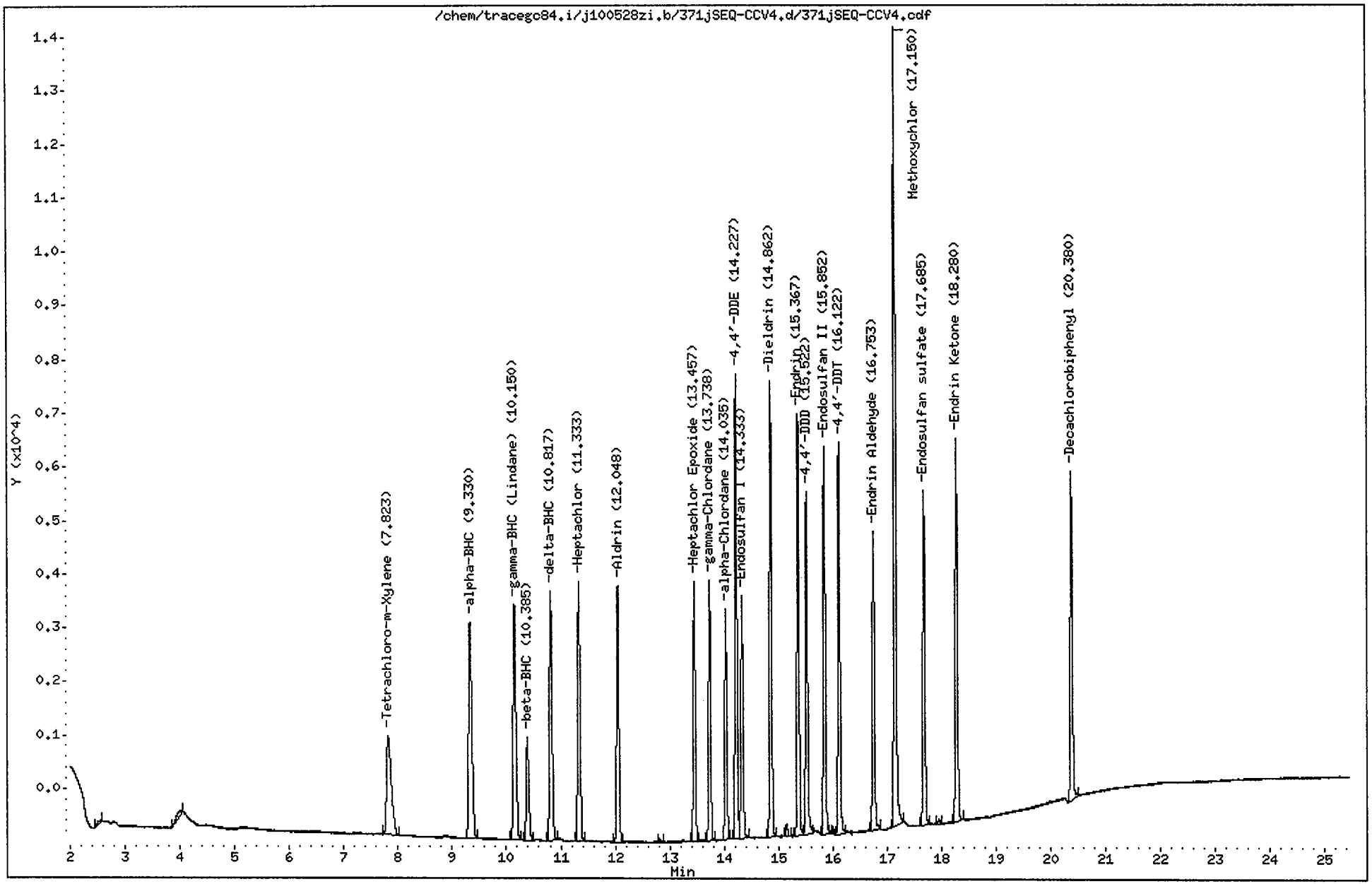
Sample Info: SEQ-CCV4

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV4 Client Smp Id : INDC3LX
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 09-JUN-2010 06:27 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zi.b/8081A_clpestv6.m
Misc. Info : INDC3LX

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.36			184								
1.46			34606								
2.55			261								
4.01			629								
7.82	7.77	7.91	11270	522758	Tetrachloro-m-Xylene	0.020000	563475	-7.8	20.0		
9.33	9.29	9.43	16432	775960	alpha-BHC	0.020000	821625	-5.9	20.0		
10.15	10.11	10.25	15448	729192	gamma-BHC (Lindane)	0.020000	772375	-5.9	20.0		
10.38	10.34	10.48	6407	300532	beta-BHC	0.020000	320362	-6.6	20.0		
10.82	10.77	10.91	14585	689518	delta-BHC	0.020000	729258	-5.8	20.0		
11.33	11.29	11.43	14569	695465	Heptachlor	0.020000	728435	-4.7	20.0		
12.05	12.01	12.15	13363	636570	Aldrin	0.020000	668170	-5.0	20.0		
12.82			146								
13.46	13.42	13.56	12325	593700	Heptachlor Epoxide	0.020000	616265	-3.8	20.0		
13.74	13.70	13.84	12425	594875	gamma-Chlordane	0.020000	621260	-4.4	20.0		
14.04	14.00	14.14	10758	516712	alpha-Chlordane	0.020000	537915	-4.1	20.0		
14.23	14.19	14.33	21367	523741	4,4'-DDE	0.040000	534174	-2.0	20.0		
14.33	14.29	14.43	11894	548162	Endosulfan I	0.020000	594697	-8.5	20.0		
14.86	14.82	14.96	21547	515556	Dieldrin	0.040000	538685	-4.5	20.0		
15.15			589								
15.37	15.33	15.47	20018	463071	Endrin	0.040000	500449	-8.1	20.0		
15.52	15.48	15.62	16153	393458	4,4'-DDD	0.040000	403815	-2.6	20.0		
15.85	15.81	15.95	18851	450326	Endosulfan II	0.040000	471267	-4.7	20.0		
16.01			242								
16.12	16.08	16.22	18285	454781	4,4'-DDT	0.040000	457131	-0.5	20.0		
16.75	16.71	16.85	14436	348470	Endrin Aldehyde	0.040000	360907	-3.6	20.0		
17.15	17.11	17.25	38114	194359	Methoxychlor	0.200000	190572	1.9	20.0		
17.68	17.65	17.79	16171	392055	Endosulfan sulfate	0.040000	404265	-3.1	20.0		
17.96			221								
18.28	18.24	18.38	18485	457258	Endrin Ketone	0.040000	462135	-1.1	20.0		
20.38	20.33	20.47	16026	408350	Decachlorobiphenyl	0.040000	400655	1.9	20.0		

Data File: /chem/tracegc84.i/j100528zi.b/372jSEQ-PEM4.d

Date : 09-JUN-2010 06:56

Client ID: PEMLX

Instrument: tracegc84.i

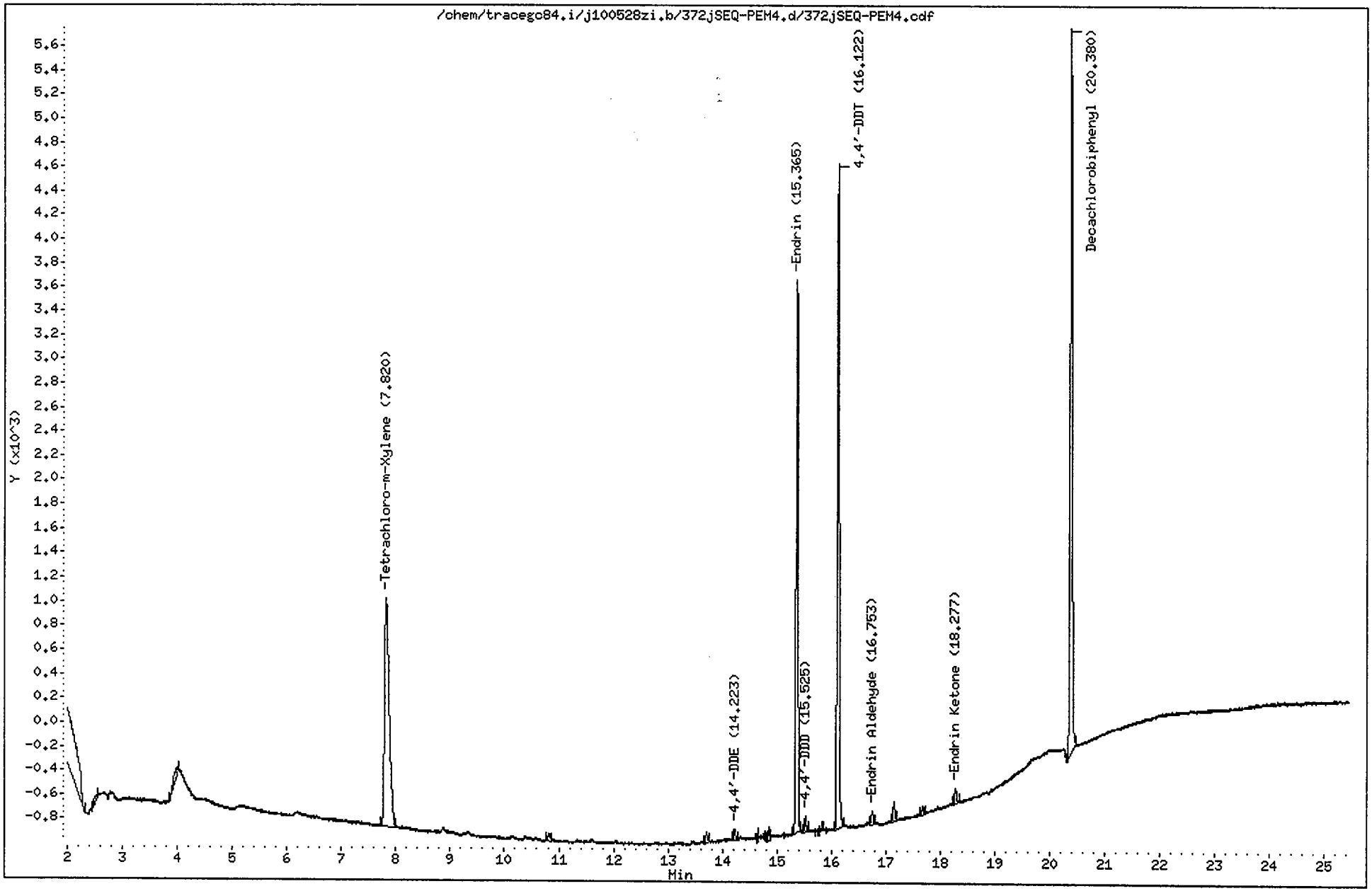
Sample Info: SEQ-PEM4

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM4 Client Smp Id : PEMLX
Sample Type : SAMPLE Sublist : PEM
Inj Date : 09-JUN-2010 06:56 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zi.b/8081A_clpestv6.m
Misc. Info : PEMLX

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.37			854								
1.45			59931								
2.54			245								
4.01			587								
7.82	7.77	7.91	11217	522758	Tetrachloro-m-Xylene	0.021457	0.021457		108.4	43 - 135	
10.81			199								
13.71			243								
14.22	14.19	14.33	212	523741	4,4'-DDE	0.000404	0.000404	0.020000			J
14.83			197								
15.36	15.33	15.47	11433	463071	Endrin	0.024689	0.024689	0.020000			
15.52	15.48	15.62	270	393458	4,4'-DDD	0.000686	0.000686	0.020000			J
16.12	16.08	16.22	13645	454781	4,4'-DDT	0.030004	0.030004	0.020000			
16.75	16.71	16.85	251	348470	Endrin Aldehyde	0.000721	0.000721	0.020000			J
17.15			354								
17.69			200								
18.28	18.24	18.38	344	457258	Endrin Ketone	0.000752	0.000752	0.020000			J
20.38	20.33	20.47	15919	408350	Decachlorobiphenyl	0.038983	0.038983		98.4	43 - 144	

Data File: /chem/tracegc84.i/j100528zi_2C.b/371jSEQ-CCV4.d

Page 1

Date : 09-JUN-2010 06:27

Client ID: INDC3LX

Instrument: tracegc84.i

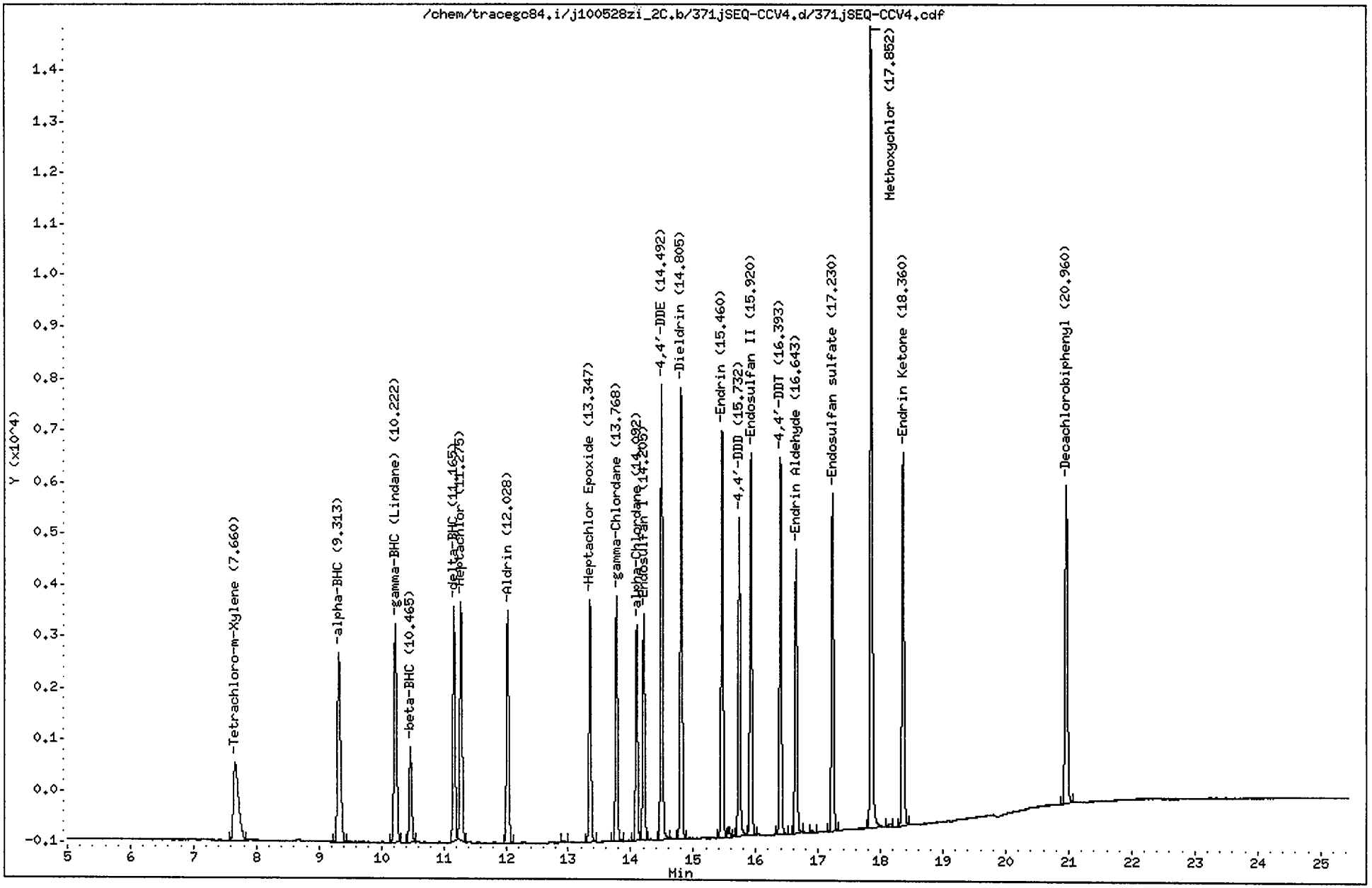
Sample Info: SEQ-CCV4

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV4 Client Smp Id : INDC3LX
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 09-JUN-2010 06:27 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zi_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3LX

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.31			114								
1.44			8837								
3.35			368								
7.66	7.61	7.75	8678	416798	Tetrachloro-m-Xylene	0.020000	433850	-4.1	20.0		
9.31	9.26	9.40	12713	607758	alpha-BHC	0.020000	635650	-4.6	20.0		
10.22	10.17	10.31	12241	585542	gamma-BHC (Lindane)	0.020000	612000	-4.5	20.0		
10.46	10.41	10.55	5154	248610	beta-BHC	0.020000	257650	-3.6	20.0		
11.16	11.11	11.25	11287	551235	delta-BHC	0.020000	564300	-2.4	20.0		
11.28	11.22	11.36	12123	579497	Heptachlor	0.020000	606150	-4.6	20.0		
12.03	11.97	12.11	11289	542192	Aldrin	0.020000	564400	-4.1	20.0		
12.93			111								
13.35	13.29	13.43	10597	511912	Heptachlor Epoxide	0.020000	529850	-3.5	20.0		
13.77	13.71	13.85	10711	513150	gamma-Chlordane	0.020000	535500	-4.4	20.0		
14.09	14.04	14.18	9226	446248	alpha-Chlordane	0.020000	461300	-3.4	20.0		
14.20	14.15	14.29	9891	477982	Endosulfan I	0.020000	494550	-3.5	20.0		
14.49	14.43	14.57	19355	468602	4,4'-DDE	0.040000	483875	-3.3	20.0		
14.80	14.75	14.89	19295	461929	Dieldrin	0.040000	482375	-4.4	20.0		
15.46	15.40	15.54	17638	408649	Endrin	0.040000	440950	-7.9	20.0		
15.57			471								
15.73	15.67	15.81	13784	340626	4,4'-DDD	0.040000	344575	-1.2	20.0		
15.92	15.86	16.00	16776	404930	Endosulfan II	0.040000	419375	-3.6	20.0		
16.39	16.33	16.47	15796	405929	4,4'-DDT	0.040000	394900	2.7	20.0		
16.64	16.59	16.73	12848	316985	Endrin Aldehyde	0.040000	321175	-1.3	20.0		
16.90			122								
17.23	17.17	17.31	14919	366674	Endosulfan sulfate	0.040000	372950	-1.7	20.0		
17.85	17.79	17.93	36026	182916	Methoxychlor	0.200000	180125	1.5	20.0		
18.14			231								
18.36	18.30	18.44	16838	419519	Endrin Ketone	0.040000	420925	-0.3	20.0		
20.96	20.90	21.04	16106	406698	Decachlorobiphenyl	0.040000	402625	1.0	20.0		

Data File: /chem/tracegc84.i/j100528zi_2C.b/372jSEQ-PEM4.d

Page 1

Date : 09-JUN-2010 06:56

Client ID: PEMLX

Instrument: tracegc84.i

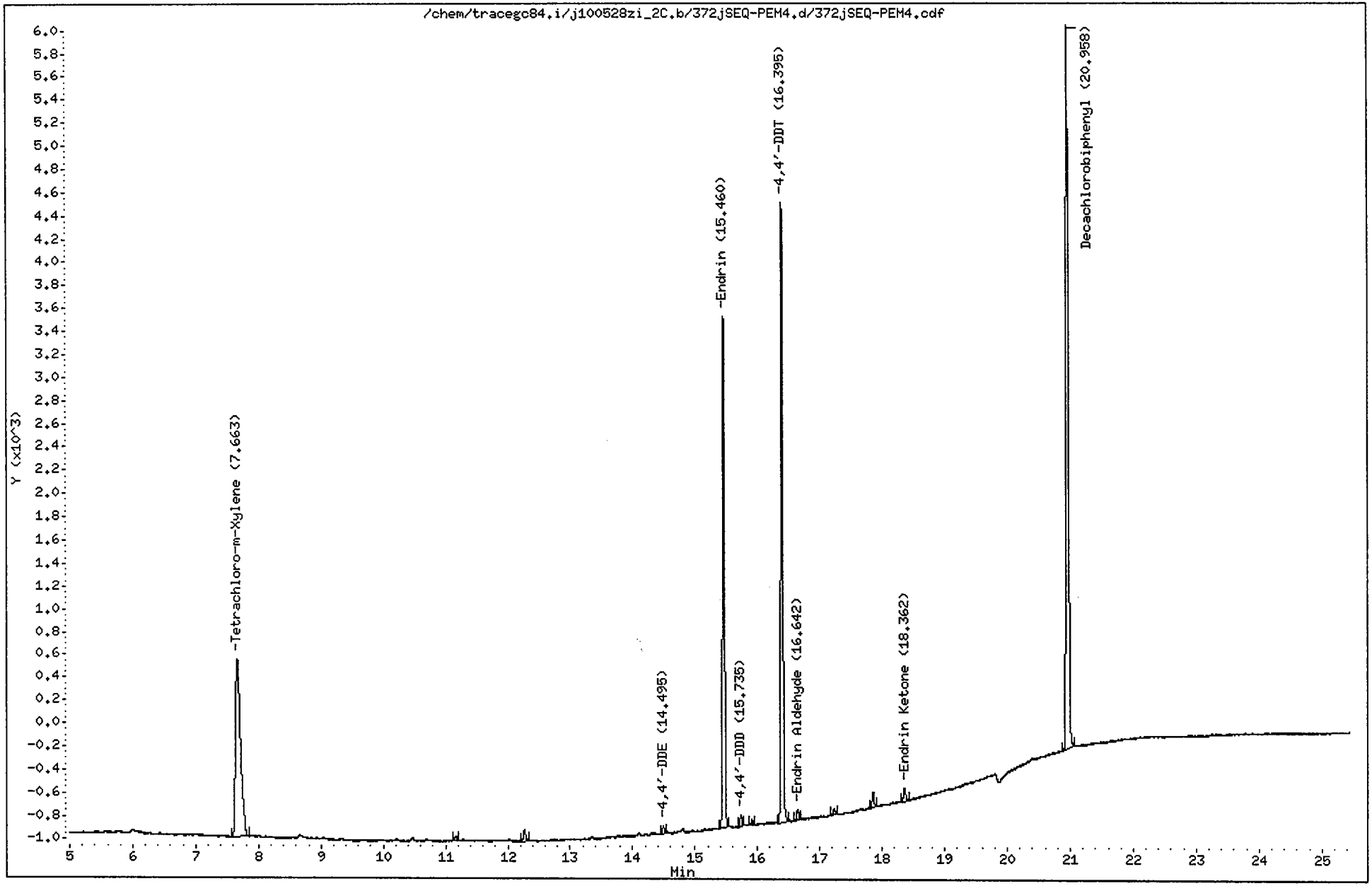
Sample Info: SEQ-PEM4

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM4 Client Smp Id : PEMLX
Sample Type : SAMPLE Sublist : PEM
Inj Date : 09-JUN-2010 06:56 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zi_2C.b/8081A_clpest2v6.m
Misc. Info : PEMLX

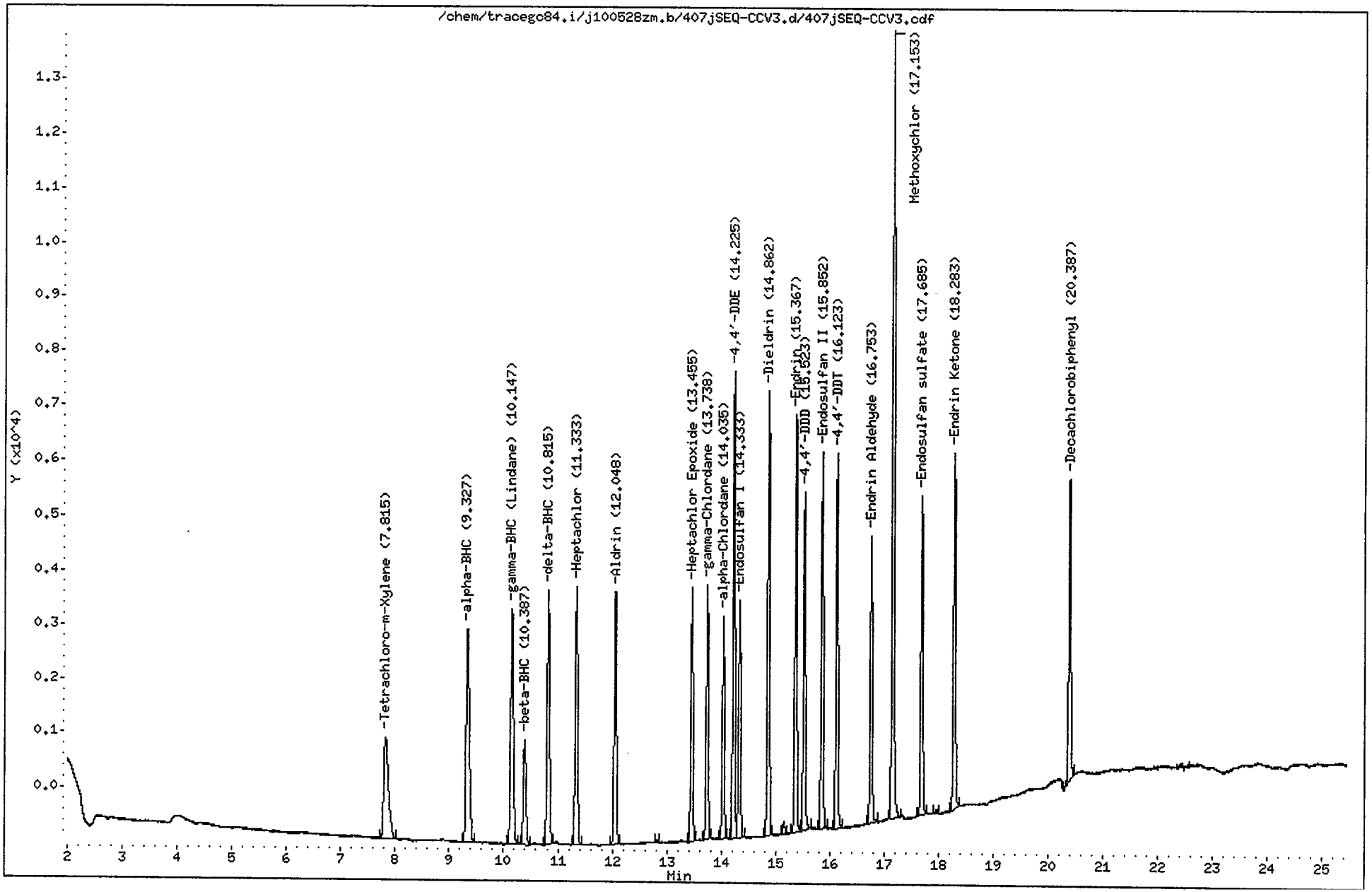
Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.44			11746								
3.35			459								
7.66	7.61	7.75	8701	416798	Tetrachloro-m-Xylene	0.020875	0.020875		105.4	43 - 135	
11.16			110								
12.27			224								
14.50	14.43	14.57	143	468602	4,4'-DDE	0.000306	0.000306	0.020000			J
15.46	15.40	15.54	9749	408649	Endrin	0.023857	0.023857	0.020000			
15.74	15.67	15.81	206	340626	4,4'-DDD	0.000606	0.000606	0.020000			J
15.92			91								
16.40	16.33	16.47	11709	405929	4,4'-DDT	0.028845	0.028845	0.020000			
16.64	16.59	16.73	208	316985	Endrin Aldehyde	0.000656	0.000656	0.020000			J
17.23			127								
17.85			276								
18.36	18.30	18.44	274	419519	Endrin Ketone	0.000654	0.000654	0.020000			J
20.96	20.90	21.04	16129	406698	Decachlorobiphenyl	0.039658	0.039658		100.1	43 - 144	

Data File: /chem/tracegc84.i/j100528zm.b/407jSEQ-CCV3.d
Date : 11-JUN-2010 00:22
Client ID: INDC3MF
Sample Info: SEQ-CCV3
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i
Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV3 Client Smp Id : INDC3MF
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 11-JUN-2010 00:22 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zm.b/8081A_clpestv6.m
Misc. Info : INDC3MF

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.35			192								
1.45			37587								
7.82	7.77	7.91	11112	522758	Tetrachloro-m-Xylene	0.020000	555608	-6.3	20.0		
9.33	9.29	9.43	16207	775960	alpha-BHC	0.020000	810340	-4.4	20.0		
10.15	10.11	10.25	15184	729192	gamma-BHC (Lindane)	0.020000	759185	-4.1	20.0		
10.39	10.34	10.48	6345	300532	beta-BHC	0.020000	317242	-5.6	20.0		
10.82	10.77	10.91	14501	689518	delta-BHC	0.020000	725055	-5.2	20.0		
11.33	11.29	11.43	14197	695465	Heptachlor	0.020000	709850	-2.1	20.0		
12.05	12.01	12.15	12938	636570	Aldrin	0.020000	646888	-1.6	20.0		
12.82			125								
13.46	13.42	13.56	11852	593700	Heptachlor Epoxide	0.020000	592582	0.2	20.0		
13.74	13.70	13.84	11724	594875	gamma-Chlordane	0.020000	586210	1.5	20.0		
14.04	14.00	14.14	10204	516712	alpha-Chlordane	0.020000	510202	1.3	20.0		
14.22	14.19	14.33	20557	523741	4,4'-DDE	0.040000	513921	1.9	20.0		
14.33	14.29	14.43	11015	548162	Endosulfan I	0.020000	550735	-0.5	20.0		
14.86	14.82	14.96	20380	515556	Dieldrin	0.040000	509510	1.2	20.0		
15.15			510								
15.37	15.33	15.47	19149	463071	Endrin	0.040000	478725	-3.4	20.0		
15.52	15.48	15.62	15183	393458	4,4'-DDD	0.040000	379564	3.5	20.0		
15.85	15.81	15.95	17340	450326	Endosulfan II	0.040000	433493	3.7	20.0		
16.12	16.08	16.22	16615	454781	4,4'-DDT	0.040000	415383	8.7	20.0		
16.75	16.71	16.85	13373	348470	Endrin Aldehyde	0.040000	334313	4.1	20.0		
17.15	17.11	17.25	36225	194359	Methoxychlor	0.200000	181126	6.8	20.0		
17.68	17.65	17.79	14828	392055	Endosulfan sulfate	0.040000	370703	5.4	20.0		
17.96			173								
18.28	18.24	18.38	16870	457258	Endrin Ketone	0.040000	421749	7.8	20.0		
20.39	20.33	20.47	14368	408350	Decachlorobiphenyl	0.040000	359194	12.0	20.0		

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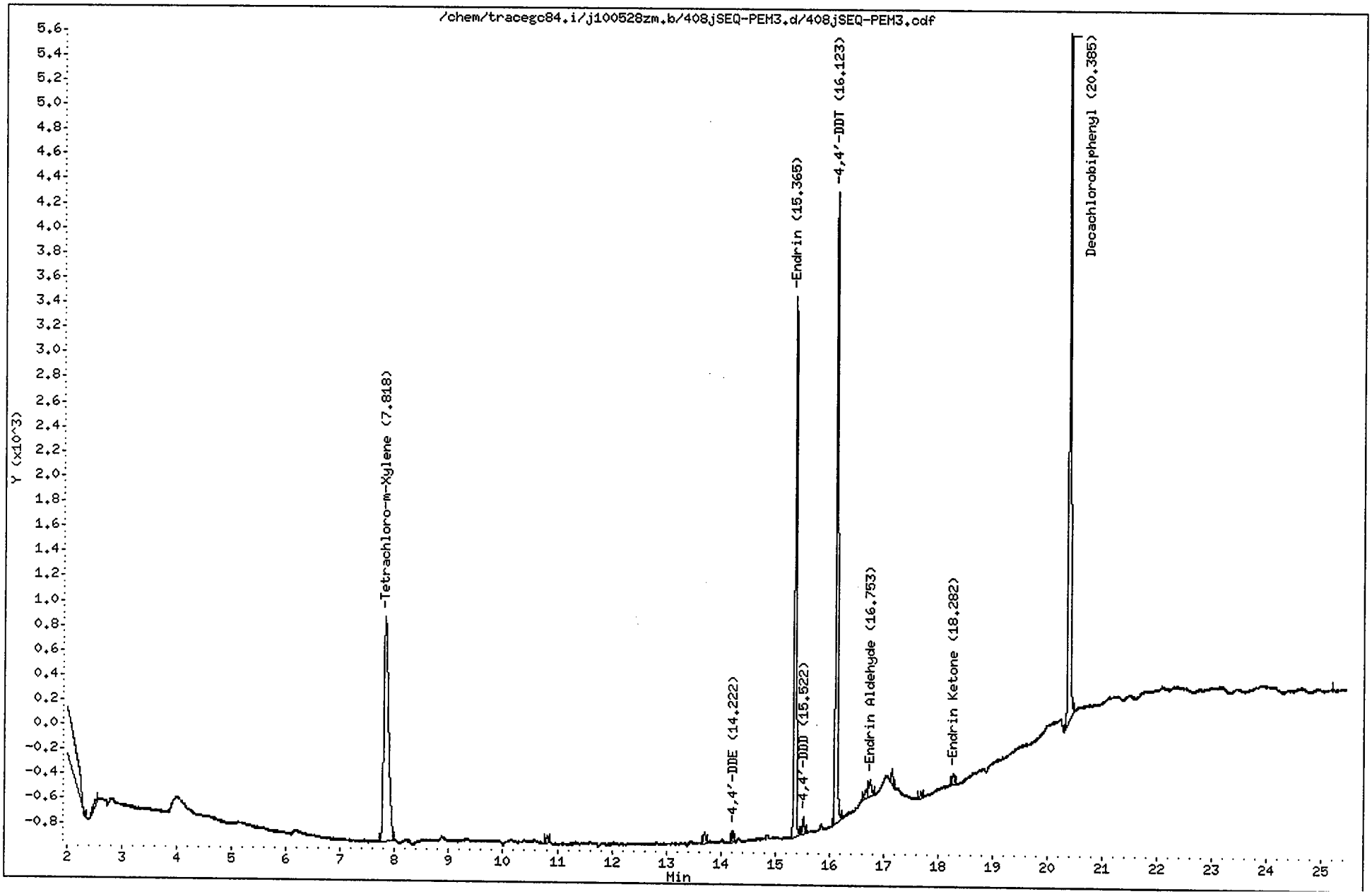
Data File: /chem/tracegc84.i/j100528zm.b/408jSEQ-PEM3.d
Date : 11-JUN-2010 00:51
Client ID: PEMMF
Sample Info: SEQ-PEM3
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i
Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM3 Client Smp Id : PEMMF
Sample Type : SAMPLE Sublist : PEM
Inj Date : 11-JUN-2010 00:51 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zm.b/8081A_clpestv6.m
Misc. Info : PEMMF

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

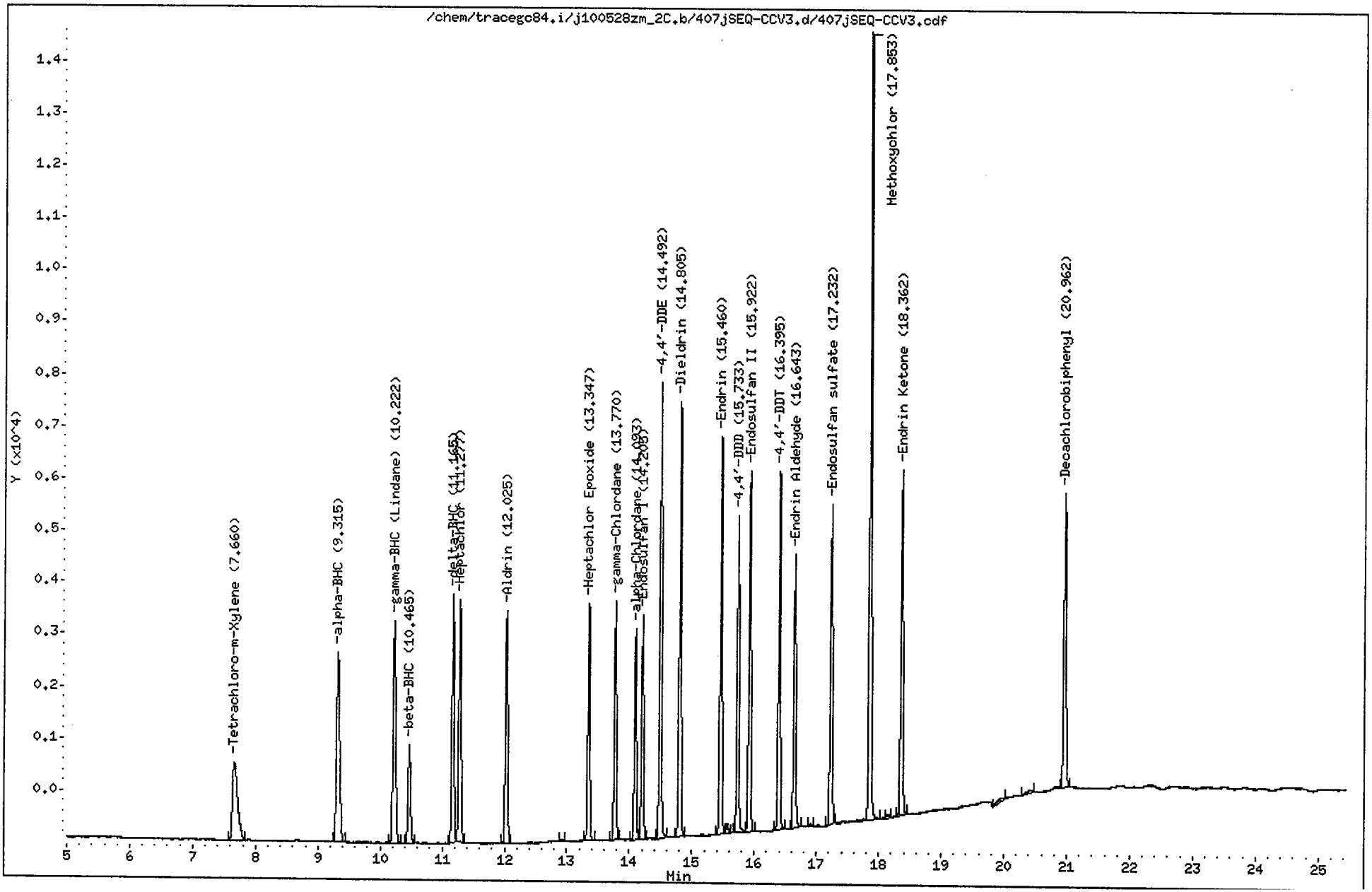
DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.36			666								
1.45			61021								
2.53			185								
7.82	7.77	7.91	11025	522758	Tetrachloro-m-Xylene	0.021089	0.021089		106.5	43 - 135	
10.81			178								
13.71			250								
14.22	14.19	14.33	228	523741	4,4'-DDE	0.000436	0.000436	0.020000			J
15.36	15.33	15.47	10931	463071	Endrin	0.023605	0.023605	0.020000			
15.52	15.48	15.62	348	393458	4,4'-DDD	0.000884	0.000884	0.020000			J
16.12	16.08	16.22	12629	454781	4,4'-DDT	0.027770	0.027770	0.020000			
16.69			226								
16.75	16.71	16.85	482	348470	Endrin Aldehyde	0.001384	0.001384	0.020000			J
17.16			265								
17.68			147								
18.28	18.24	18.38	251	457258	Endrin Ketone	0.000548	0.000548	0.020000			J
20.38	20.33	20.47	14547	408350	Decachlorobiphenyl	0.035624	0.035624		90.0	43 - 144	

Data File: /chem/tracegc84.i/j100528zm_2C.b/407jSEQ-CCV3.d
Date : 11-JUN-2010 00:22
Client ID: INDC3MF
Sample Info: SEQ-CCV3
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV3 Client Smp Id : INDC3MF
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 11-JUN-2010 00:22 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zm_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3MF

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.31			113								
1.45			9443								
2.46			96								
7.66	7.61	7.75	8541	416798	Tetrachloro-m-Xylene	0.020000	427060	-2.5	20.0		
9.32	9.26	9.40	12556	607758	alpha-BHC	0.020000	627805	-3.3	20.0		
10.22	10.17	10.31	12082	585542	gamma-BHC (Lindane)	0.020000	604103	-3.2	20.0		
10.46	10.41	10.55	5130	248610	beta-BHC	0.020000	256513	-3.2	20.0		
11.16	11.11	11.25	11293	551235	delta-BHC	0.020000	564635	-2.4	20.0		
11.28	11.22	11.36	11840	579497	Heptachlor	0.020000	592015	-2.2	20.0		
12.02	11.97	12.11	10938	542192	Aldrin	0.020000	546915	-0.9	20.0		
12.93			103								
13.35	13.29	13.43	10157	511912	Heptachlor Epoxide	0.020000	507825	0.8	20.0		
13.77	13.71	13.85	10154	513150	gamma-Chlordane	0.020000	507720	1.1	20.0		
14.09	14.04	14.18	8861	446248	alpha-Chlordane	0.020000	443060	0.7	20.0		
14.20	14.15	14.29	9557	477982	Endosulfan I	0.020000	477828	0.0	20.0		
14.49	14.43	14.57	18572	468602	4,4'-DDE	0.040000	464303	0.9	20.0		
14.80	14.75	14.89	18440	461929	Dieldrin	0.040000	461000	0.2	20.0		
15.46	15.40	15.54	16984	408649	Endrin	0.040000	424610	-3.9	20.0		
15.57			447								
15.73	15.67	15.81	13097	340626	4,4'-DDD	0.040000	327416	3.9	20.0		
15.92	15.86	16.00	15728	404930	Endosulfan II	0.040000	393211	2.9	20.0		
16.40	16.33	16.47	14512	405929	4,4'-DDT	0.040000	362801	10.6	20.0		
16.64	16.59	16.73	11972	316985	Endrin Aldehyde	0.040000	299288	5.6	20.0		
16.90			106								
17.23	17.17	17.31	13900	366674	Endosulfan sulfate	0.040000	347507	5.2	20.0		
17.85	17.79	17.93	33951	182916	Methoxychlor	0.200000	169753	7.2	20.0		
18.14			192								
18.36	18.30	18.44	15421	419519	Endrin Ketone	0.040000	385519	8.1	20.0		
19.97			555								
20.40			344								
20.96	20.90	21.04	14217	406698	Decachlorobiphenyl	0.040000	355435	12.6	20.0		

Data File: /chem/tracegc84.i/j100528zm_2C.b/408jSEQ-PEM3.d

Date : 11-JUN-2010 00:51

Client ID: PEMMF

Instrument: tracegc84.i

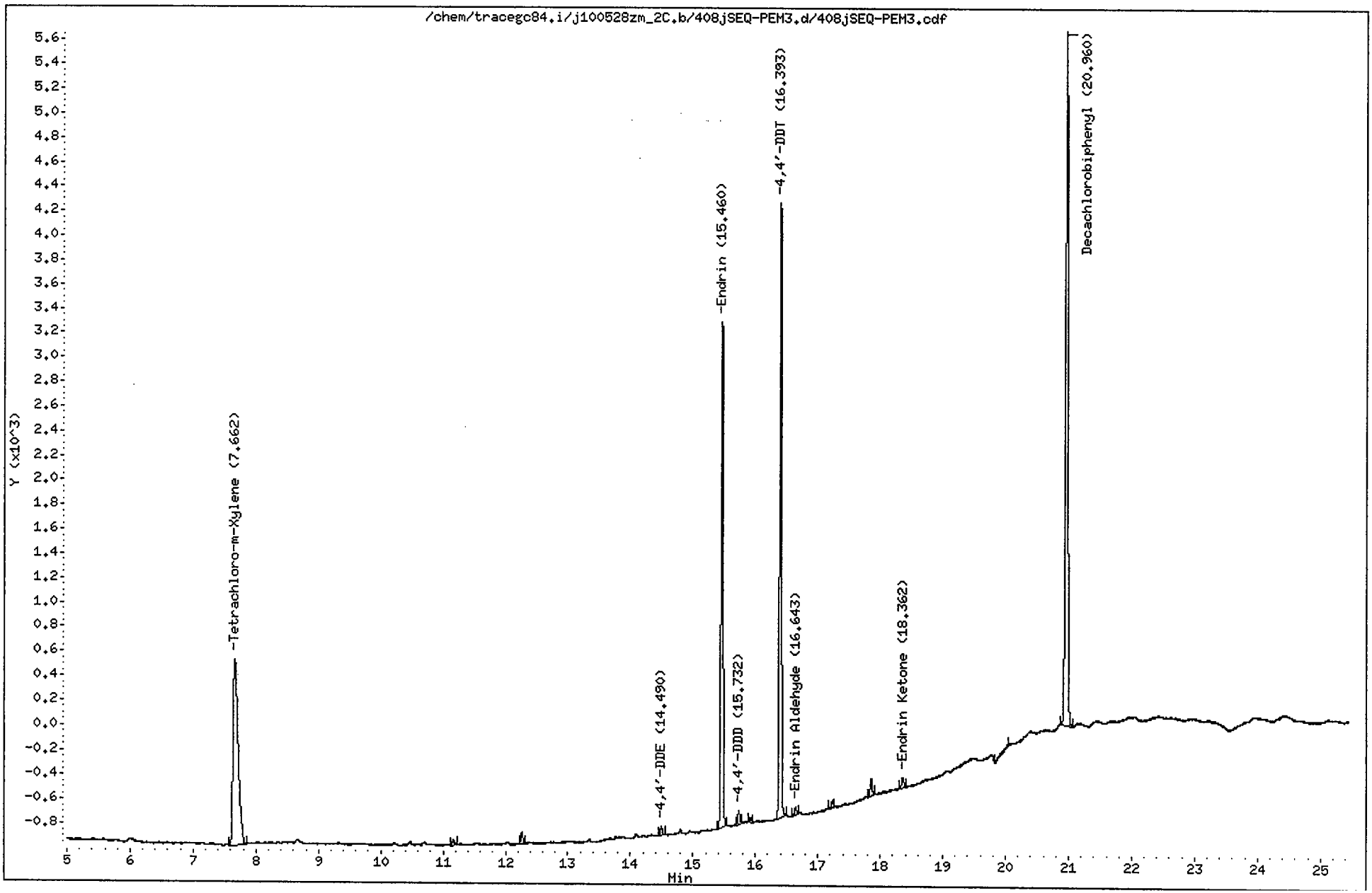
Sample Info: SEQ-PEM3

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM3 Client Smp Id : PEMMF
Sample Type : SAMPLE Sublist : PEM
Inj Date : 11-JUN-2010 00:51 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zm_2C.b/8081A_clpest2v6.m
Misc. Info : PEMMF

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.44			30711								
7.66	7.61	7.75	8608	416798	Tetrachloro-m-Xylene	0.020652	0.020652		104.3	43 - 135	
11.17			146								
12.27			210								
14.49	14.43	14.57	166	468602	4,4'-DDE	0.000354	0.000354	0.020000			J
15.46	15.40	15.54	9359	408649	Endrin	0.022902	0.022902	0.020000			
15.73	15.67	15.81	246	340626	4,4'-DDD	0.000721	0.000721	0.020000			J
15.92			95								
16.39	16.33	16.47	10812	405929	4,4'-DDT	0.026636	0.026636	0.020000			
16.64	16.59	16.73	155	316985	Endrin Aldehyde	0.000491	0.000491	0.020000			J
17.23			120								
17.85			322								
18.36	18.30	18.44	203	419519	Endrin Ketone	0.000484	0.000484	0.020000			J
20.04			183								
20.96	20.90	21.04	14540	406698	Decachlorobiphenyl	0.035750	0.035750		90.3	43 - 144	

Data File: /chem/tracegc84.i/j100528zn.b/417jSEQ-CCV4.d

Date : 11-JUN-2010 05:11

Client ID: INDC3MH

Sample Info: SEQ-CCV4

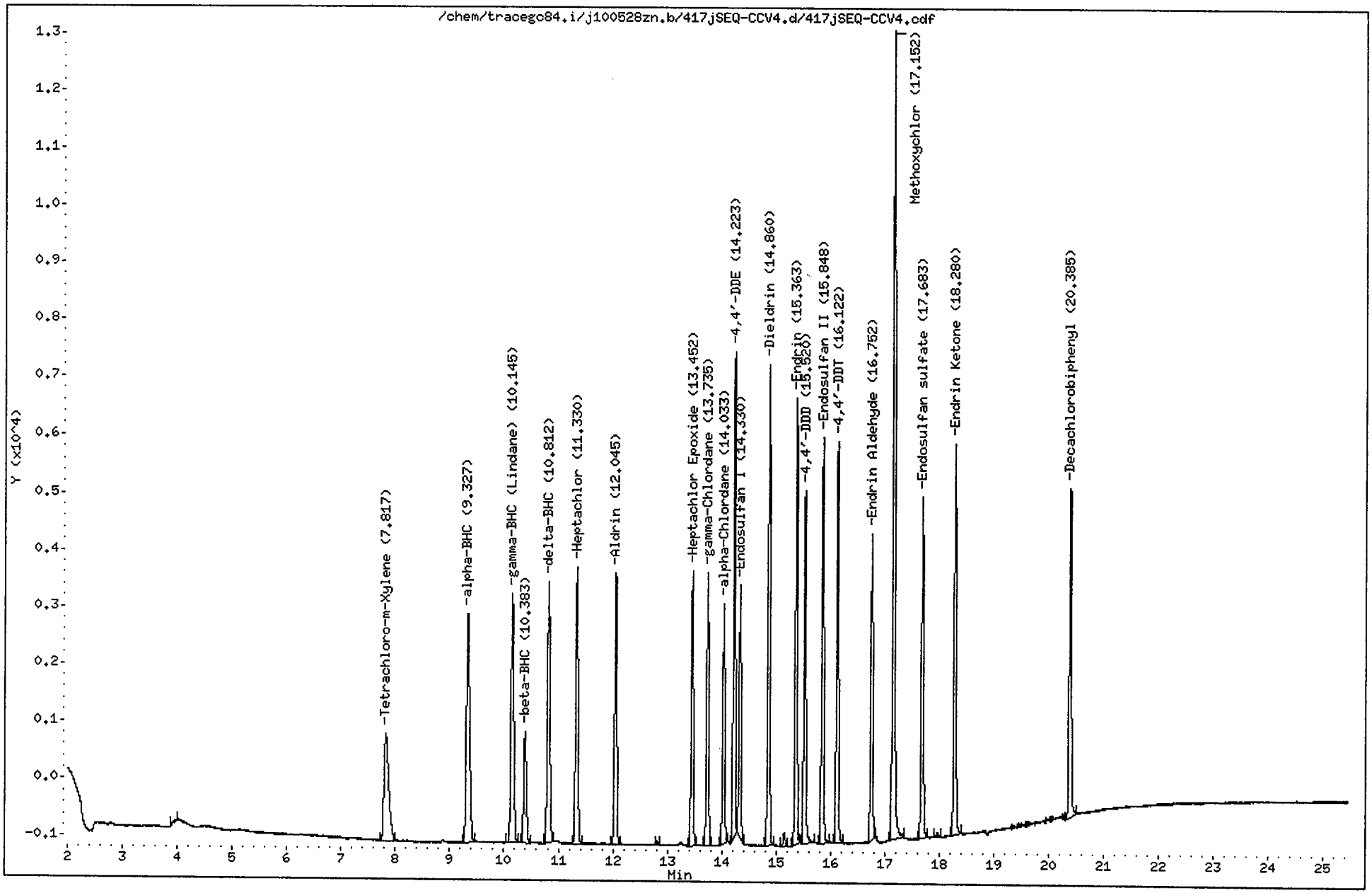
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV4 Client Smp Id : INDC3MH
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 11-JUN-2010 05:11 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zn.b/8081A_clpestv6.m
Misc. Info : INDC3MH

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.35			138								
1.46			28640								
4.00			166								
7.82	7.77	7.91	11139	522758	Tetrachloro-m-Xylene	0.020000	556955	-6.5	20.0		
9.33	9.29	9.43	16474	775960	alpha-BHC	0.020000	823725	-6.2	20.0		
10.14	10.11	10.25	15351	729192	gamma-BHC (Lindane)	0.020000	767570	-5.3	20.0		
10.38	10.34	10.48	6380	300532	beta-BHC	0.020000	319015	-6.2	20.0		
10.81	10.77	10.91	14388	689518	delta-BHC	0.020000	719380	-4.3	20.0		
11.33	11.29	11.43	14488	695465	Heptachlor	0.020000	724382	-4.2	20.0		
12.04	12.01	12.15	13275	636570	Aldrin	0.020000	663772	-4.3	20.0		
12.81			138								
13.45	13.42	13.56	12242	593700	Heptachlor Epoxide	0.020000	612080	-3.1	20.0		
13.74	13.70	13.84	12192	594875	gamma-Chlordane	0.020000	609622	-2.5	20.0		
14.03	14.00	14.14	10514	516712	alpha-Chlordane	0.020000	525720	-1.7	20.0		
14.22	14.19	14.33	20294	523741	4,4'-DDE	0.040000	507355	3.1	20.0		
14.33	14.29	14.43	10789	548162	Endosulfan I	0.020000	539460	1.6	20.0		
14.86	14.82	14.96	21031	515556	Dieldrin	0.040000	525782	-2.0	20.0		
15.15			554								
15.36	15.33	15.47	19487	463071	Endrin	0.040000	487187	-5.2	20.0		
15.52	15.48	15.62	15660	393458	4,4'-DDD	0.040000	391504	0.5	20.0		
15.85	15.81	15.95	18116	450326	Endosulfan II	0.040000	452888	-0.6	20.0		
16.12	16.08	16.22	17323	454781	4,4'-DDT	0.040000	433087	4.8	20.0		
16.75	16.71	16.85	13501	348470	Endrin Aldehyde	0.040000	337515	3.1	20.0		
17.15	17.11	17.25	37127	194359	Methoxychlor	0.200000	185637	4.5	20.0		
17.68	17.65	17.79	15500	392055	Endosulfan sulfate	0.040000	387506	1.2	20.0		
17.96			205								
18.28	18.24	18.38	17777	457258	Endrin Ketone	0.040000	444421	2.8	20.0		
20.38	20.33	20.47	15122	408350	Decachlorobiphenyl	0.040000	378053	7.4	20.0		

Data File: /chem/tracegc84.i/j100528zn.b/418jSEQ-PEM4.d

Date : 11-JUN-2010 05:40

Client ID: PEMMH

Sample Info: SEQ-PEM4

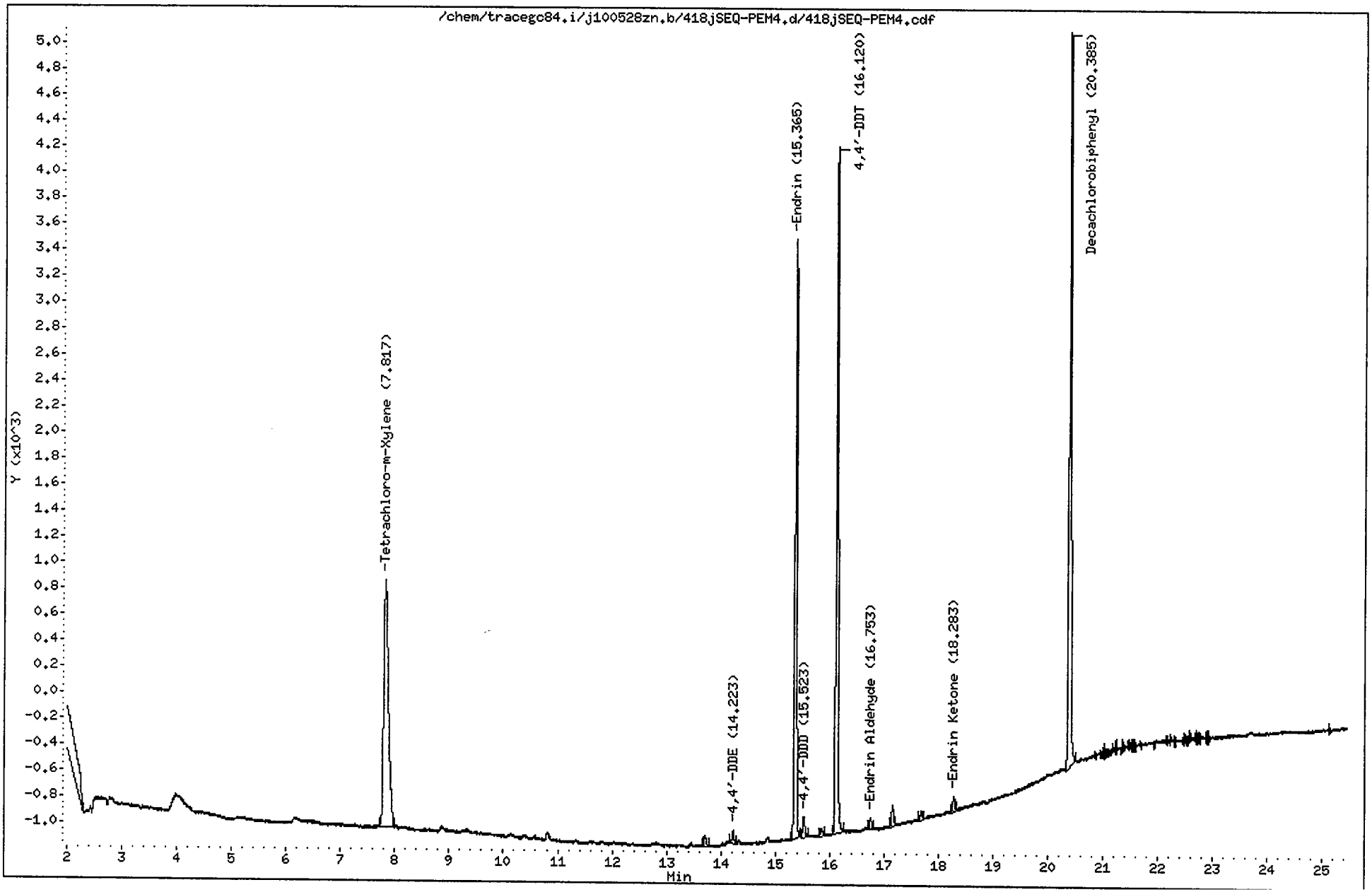
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM4 Client Smp Id : PEMMH
Sample Type : SAMPLE Sublist : PEM
Inj Date : 11-JUN-2010 05:40 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zn.b/8081A_clpestv6.m
Misc. Info : PEMMH

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

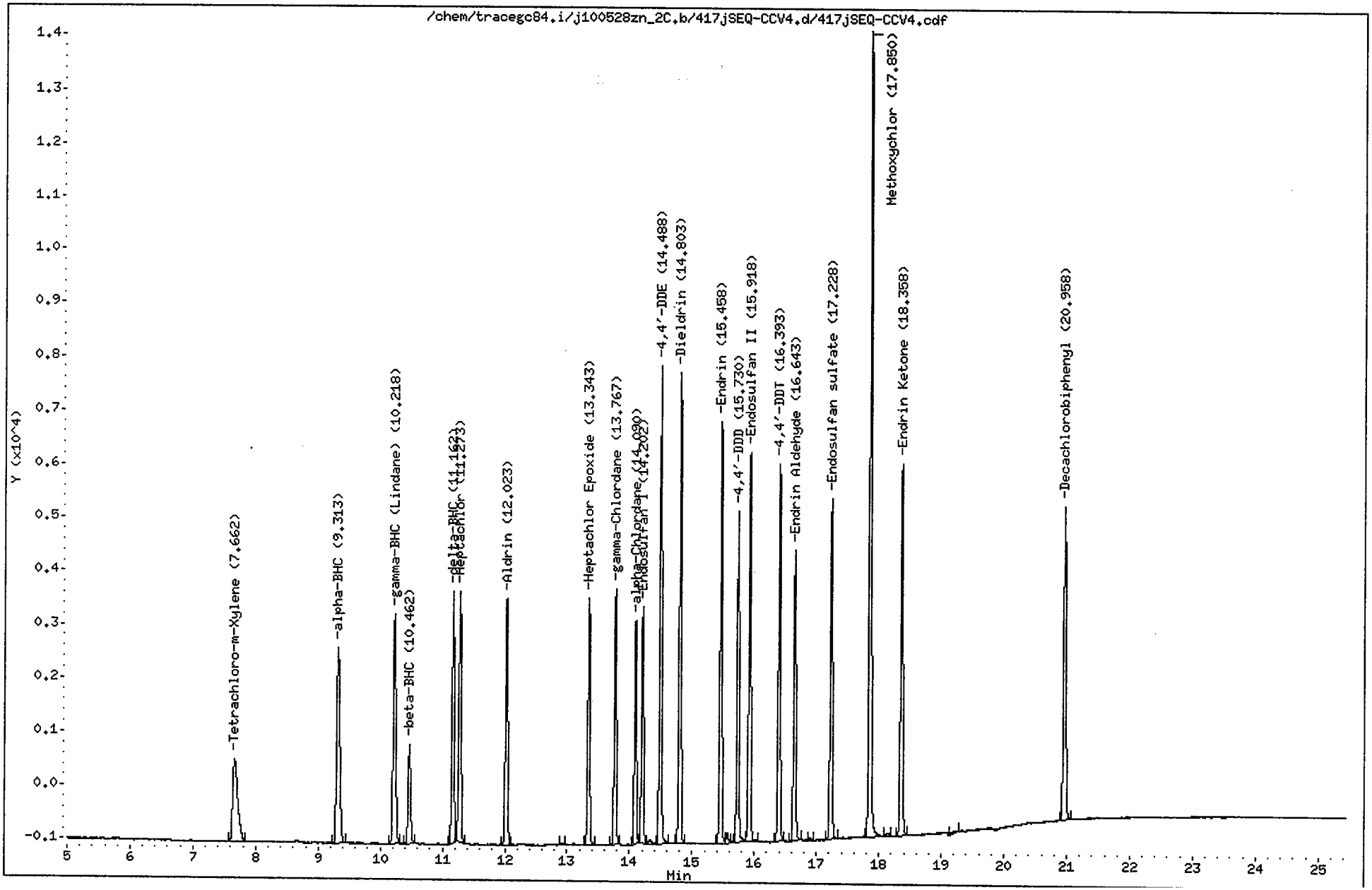
DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.37			526								
1.45			55169								
7.82	7.77	7.91	11393	522758	Tetrachloro-m-Xylene	0.021794	0.021794		110.1	43 - 135	
13.71			274								
14.22	14.19	14.33	227	523741	4,4'-DDE	0.000434	0.000434	0.020000			J
15.36	15.33	15.47	11533	463071	Endrin	0.024905	0.024905	0.020000			
15.52	15.48	15.62	415	393458	4,4'-DDD	0.001055	0.001055	0.020000			J
15.85			163								
16.12	16.08	16.22	13223	454781	4,4'-DDT	0.029076	0.029076	0.020000			
16.75	16.71	16.85	202	348470	Endrin Aldehyde	0.000578	0.000578	0.020000			J
17.15			394								
17.68			169								
18.28	18.24	18.38	313	457258	Endrin Ketone	0.000684	0.000684	0.020000			J
20.38	20.33	20.47	15054	408350	Decachlorobiphenyl	0.036866	0.036866		93.1	43 - 144	
21.24			121								

Data File: /chem/tracegc84.i/j100528zn_2C.b/417jSEQ-CCV4.d
Date : 11-JUN-2010 05:11
Client ID: INDC3MH
Sample Info: SEQ-CCV4
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV4 Client Smp Id : INDC3MH
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 11-JUN-2010 05:11 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zn_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3MH

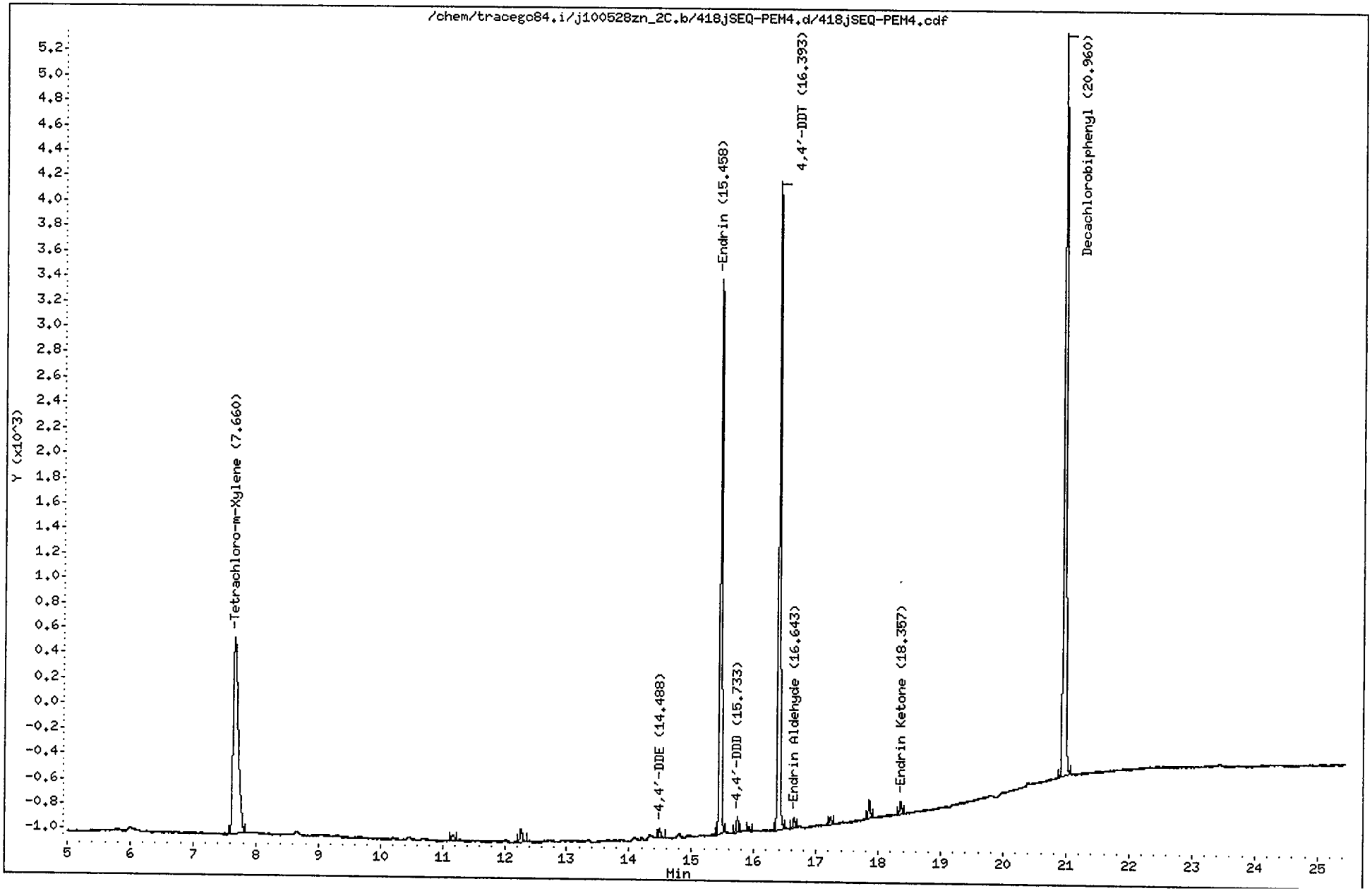
RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.31			116								
1.45			8314								
2.45			102								
7.66	7.61	7.75	8723	416798	Tetrachloro-m-Xylene	0.020000	436140	-4.6	20.0		
9.31	9.26	9.40	12741	607758	alpha-BHC	0.020000	637040	-4.8	20.0		
10.22	10.17	10.31	12274	585542	gamma-BHC (Lindane)	0.020000	613715	-4.8	20.0		
10.46	10.41	10.55	5170	248610	beta-BHC	0.020000	258523	-4.0	20.0		
11.16	11.11	11.25	11220	551235	delta-BHC	0.020000	561015	-1.8	20.0		
11.27	11.22	11.36	12103	579497	Heptachlor	0.020000	605150	-4.4	20.0		
12.02	11.97	12.11	11295	542192	Aldrin	0.020000	564755	-4.2	20.0		
12.93			102								
13.34	13.29	13.43	10600	511912	Heptachlor Epoxide	0.020000	529980	-3.5	20.0		
13.77	13.71	13.85	10668	513150	gamma-Chlordane	0.020000	533383	-3.9	20.0		
14.09	14.04	14.18	9178	446248	alpha-Chlordane	0.020000	458910	-2.8	20.0		
14.20	14.15	14.29	9854	477982	Endosulfan I	0.020000	492695	-3.1	20.0		
14.32			256								
14.49	14.43	14.57	19202	468602	4,4'-DDE	0.040000	480050	-2.4	20.0		
14.80	14.75	14.89	19209	461929	Dieldrin	0.040000	480214	-4.0	20.0		
15.46	15.40	15.54	17650	408649	Endrin	0.040000	441259	-8.0	20.0		
15.57			468								
15.73	15.67	15.81	13651	340626	4,4'-DDD	0.040000	341277	-0.2	20.0		
15.92	15.86	16.00	16621	404930	Endosulfan II	0.040000	415524	-2.6	20.0		
16.39	16.33	16.47	15265	405929	4,4'-DDT	0.040000	381616	6.0	20.0		
16.64	16.59	16.73	12570	316985	Endrin Aldehyde	0.040000	314246	0.9	20.0		
16.90			102								
17.23	17.17	17.31	14636	366674	Endosulfan sulfate	0.040000	365902	0.2	20.0		
17.85	17.79	17.93	34920	182916	Methoxychlor	0.200000	174598	4.5	20.0		
18.14			224								
18.36	18.30	18.44	16310	419519	Endrin Ketone	0.040000	407739	2.8	20.0		
19.26			146								
20.96	20.90	21.04	15220	406698	Decachlorobiphenyl	0.040000	380504	6.4	20.0		

6/11/10

Data File: /chem/tracegc84.i/j100528zn_2C.b/418jSEQ-PEM4.d
Date : 11-JUN-2010 05:40
Client ID: PEMMH
Sample Info: SEQ-PEM4
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM4 Client Smp Id : PEMMH
Sample Type : SAMPLE Sublist : PEM
Inj Date : 11-JUN-2010 05:40 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zn_2C.b/8081A_clpest2v6.m
Misc. Info : PEMMH

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.44			11288								
7.66	7.61	7.75	8889	416798	Tetrachloro-m-Xylene	0.021328	0.021328		107.7	43 - 135	
11.17			174								
12.27			291								
14.49	14.43	14.57	187	468602	4,4'-DDE	0.000399	0.000399	0.020000			J
15.46	15.40	15.54	9928	408649	Endrin	0.024295	0.024295	0.020000			
15.73	15.67	15.81	281	340626	4,4'-DDD	0.000825	0.000825	0.020000			J
15.91			96								
16.39	16.33	16.47	11450	405929	4,4'-DDT	0.028208	0.028208	0.020000			
16.64	16.59	16.73	189	316985	Endrin Aldehyde	0.000597	0.000597	0.020000			J
17.23			138								
17.85			327								
18.36	18.30	18.44	254	419519	Endrin Ketone	0.000605	0.000605	0.020000			J
20.96	20.90	21.04	15269	406698	Decachlorobiphenyl	0.037543	0.037543		94.8	43 - 144	

COMPUCHEM a Division of Liberty Analytical Corp Instrument ID 84/85 Sequence ID: 100528 Date 5/28/10

GC EXTRACTABLES RUN LOG Amt.Inj. 2 µL (1 µL per column)

LOGBOOK 4 N (4) 38 Method: 8081A 8081B 8082 8082A 8151A SOM01.2 or Other: _____

559

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		1	✓	5/28/10	Hexane	STD	NA	AHW	NA
2		2	✓	/ /	Hexane	↓			↓
3		3	✓	/ /	0E27012 -PEM1	GE21002			PEMHA
4		4	✓	/ /	CAL1	0C20001			INDC1 HA
5		5	✓	/ /	2	0C26002			2
6		6	✓	/ /	3	0E11005			3
7		7	✓	/ /	4	0C26004			4
8		8	✓	/ /	5	0C26005			5
9		9	✓	/ /	ARC1	0016008			TOXAPH3HA
10		10	✓	/ /	2	0C02004			CHLOR03HA
11		11	✓	/ /	CAL6 ~~CAL5~~ AHW 6/1/10	0824009			AR16601HA
12		12	✓	/ /	CAL7	0824010			2
13		13	✓	/ /	8	0E14002			3
14		14	✓	/ /	9	0824013			4
15		15	✓	AHW 6/1/10 /	A	0824014			5
16		16	✓	5~~7~~/29/10	ARC3	0E20004			AR12213HA
17		17	✓	/ /	4	0E18016			1232
18		18	✓	/ /	5	0E20010			1242
19		19	✓	/ /	6	0E17012			1248
20		20	✓	/ /	7	0C17011			1254

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Calibration ID: NA AHW 6/1/10 Sequence ID: 0E27012 Hexane Lot No 71940

REVIEWED BY: _____ DATE 6/1/10

03/17/10: jad

COMPUCHEM a Division of Liberty Analytical Corp Instrument ID 84/85 Sequence ID: 100528 Date 5/29/10

GC EXTRACTABLES RUN LOG Amt.Inj. 2 µL (1 µL per column)

LOGBOOK 4 N (4) 38 Method: ~~8081A~~ 8081B 8082 ~~8082A~~ 8151A SOM01.2 or Other: _____

560

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		21	✓	5/29/10	OE27012-ICV1	OE25016	NA	AHW	PESTCHKHA
2		22	✓	↓ /	↓ ICV2	0801002	↓	↓	PCBCHKHA
3				/ /					
4				/ /					
5				/ /					
6				/ /					
7				/ /					
8				/ /					
9				/ /					
10				/ /					
11				/ /					
12				/ /					
13				/ /					
14				/ /					
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
20				/ /					

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Calibration ID: _____ Sequence ID: OE27012 Hexane Lot No 71940

REVIEWED BY: _____ DATE 6/1/10

03/17/10: jad

561

COMPUCHEM a Division of Liberty Analytical Corp Instrument ID: 84 Sequence ID: j100528zf Date 6/8/10

GC EXTRACTABLES RUN LOG

LOGBOOK 4 N (4) 39 Amt.Inj. 2 µL (1 µL per column)

Method: (8081A) 8081B 8082 8082A 8151A SOM01.2 ARO SOM01.2 Pest SOM01.2 or Other: _____

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1	µ✓	335		6/8/10	SEQ-164	OF08QX		LP	
2		336	✓	/ /	-CCB1	1	PIBLKSQX		
3		337	✓	/ /	-LCV1	OE1005	10WSQX		
4		338	✓	/ /	-PEM1	OE2102	PEMQX		
5		339	✓	/ /	005260-BLK1	100157			
6		340	✓	/ /	-LCS1				
7		341	✓	/ /	-MS1				
8		342	✓	/ /	-MSD1				
9		343	✓	/ /	100757-01				
10		344	✓	/ /	02				
11		345	✓	/ /	03				
12		346	✓	/ /	04				
13	µ✓	347		/ /	SEQ-165	OF08QX			
14				/ /					
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
20				/ /					

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

PEH 6/10/10

Calibration ID: NA Sequence ID: NA Hexane Lot No 71940

REVIEWED BY: PEH DATE 6/10/10

05/20/10: jad

COMPUCHEM a Division of Liberty Analytical Corp Instrument ID: 84 Sequence ID: j100528z Date 6/8/10

GC EXTRACTABLES RUN LOG Amt.Inj. 2 µL (1 µL per column)

LOGBOOK 4 N (4) 39

Method: 8081A 8081B 8082 8082A 8151A SOM01.2 ARO SOM01.2 Pest SOM01.2 or Other: _____

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		348	✓	6/8/10	SEQ-CCH2	OF08W8	PIBLKLCLT	✓	
2		349	✓	/ /	-CCW2	DE1005	INDL3LT		
3		350	✓	/ /	-PEM2	DE21002	PCMLT		
4		351	✓	/ /	100515S-05	100515S			
5		352	✓	/ /	06				
6		353	✓	/ /	07				
7		354	✓	/ /	08				
8		355	✓	/ /	09				
9		356	✓	/ /	10				
10		357	✓	/ /	11				
11		358	✓	6/9/10	12				
12	✓	359	✓	/ /	SEQ-1663	OF08W8			
13				/ /					
14				/ /					
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
20				/ /					

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

KCH 6/10/10

Calibration ID: NA Sequence ID: NA Hexane Lot No 71940

REVIEWED BY: KCH DATE 6/10/10

05/20/10: jad

563

COMPUCHEM a Division of Liberty Analytical Corp Instrument ID: 84 Sequence ID: j100626h Date 6/9/10

GC EXTRACTABLES RUN LOG Amt.Inj. 2 µL (1 µL per column)

LOGBOOK 4 N (4) 39

Method: 8081A 8081B 8082 8082A 8151A SOM01.2 ARO SOM01.2 Pest SOM01.2 or Other: _____

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		360	✓	6/9/10	SED-CC63	6F0808	PIBK CCLV	LD	
2		361	✓	/ /	-CC03	6F1005	WASH LV		
3		362	✓	/ /	-PEM3	0E21002	PEMLV		
4		363	✓	/ /	100515) - 13	(00515)			
5		364	✓	/ /	14				
6		365	✓	/ /	15				
7		366	✓	/ /	16				
8		367	✓	/ /	17				
9		368	✓	/ /	18				
10		369	✓	/ /	SED-1614	0F0808			
11				/ /					
12				/ /					
13				/ /					
14				/ /					
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
20				/ /					

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

LD 6/10/10

Calibration ID: NA Sequence ID: NA Hexane Lot No 71940

REVIEWED BY: LD DATE 6/10/10

05/20/10: jad

COMPUCHEM a Division of Liberty Analytical Corp
GC EXTRACTABLES RUN LOG
LOGBOOK 4 N (4) 39

Instrument ID: 84   Sequence ID: J1005282i   Date 6 / 9 / 10
Amt.Inj. 2 µL (1 µL per column)

Method: (8081A) ~~8081B~~ 8082 8082A 8151A SOM01.2 ARO SOM01.2 Pest SOM01.2 or Other: ______

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		370	✓	6/9/10	SEQ-CCb4	OF08008	P10466Wx	D	
2		371	✓	/ /	-CCr1	OE11005	1W0L3Lx		
3		372	✓	/ /	-PEM4	OE21002	PEMCX		
4		373		/ /	DOb0340-BLK1	1006029			
5		374		/ /	1006029-01				
6		375		/ /	02				
7		376		/ /	03				
8	μ	377		/ /	SEQ-IbC5	OF08008			
9				/ /					
10				/ /					
11				/ /					
12				/ /					
13				/ /					
14				/ /					
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
20				/ /					

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

KEH 6/10/10

Calibration ID: NA   Sequence ID: NA   Hexane Lot No 71940

REVIEWED BY: KEH   DATE 6/10/10

05/20/10: jad

COMPUCHEM a Division of Liberty Analytical Corp
GC EXTRACTABLES RUN LOG
LOGBOOK 4 N (4) 39

Instrument ID: 84 Sequence ID: j005282m Date 6/10/10
Amt.Inj. 2 µL (1 µL per column)

Method: (8081A) 8081B 8082 8082A 8151A SOM01.2 ARO SOM01.2 Pest SOM01.2 or Other: _____

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REPORTED	FILE NUMBER	REPORTED DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		406	6/10/10	SEQ-CCB3	OF08W7	PIBLKMEHF	LP	
2		407	6/11/10	-CCV3	OE11W7	LWBLK3MF		
3		408	/ /	-PEM3	OE21W2	PEMMF		
4		409	/ /	005261-631	100515 7			
5		410	/ /	100515 7 -03				
6		411	/ /	04				5X (800µL MX/20mL sam)
7		412	/ /	13				5X
8		413	/ /	18				5X
9		414	/ /	6/11/10 100515 16	6/11/10 100515			5X
10	405	415	/ /	SEQ-1614	OF08W7			10X (400µL MX (1mL sam)
11			/ /					
12			/ /					
13			/ /					
14			/ /					
15			/ /					
16			/ /					
17			/ /					
18			/ /					
19			/ /					
20			/ /					

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

KPH 6/11/10

Calibration ID: NA Sequence ID: _____ Hexane Lot No 71940

REVIEWED BY: KPH DATE 6/11/10

05/20/10: jad

COMPUCHEM a Division of Liberty Analytical Corp Instrument ID: 84 Sequence ID: 100528Z4 Date 6/11/10

GC EXTRACTABLES RUN LOG

LOGBOOK 4 N (4) 39 Amt.Inj. 2 µL (1 µL per column)

Method: (8081A) 8081B 8082 8082A 8151A SOM01.2 ARO SOM01.2 Pest SOM01.2 or Other: _____

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		416	✓	6/11/10	SEQ-CCB4	DF08W5	P10611H6MM	LP	
2		417	✓	/ /	-ICV4	DE1005	1W08C30M4		
3		418	✓	/ /	-PBM4	DE2102	P0M0M4		
4				/ /					
5				/ /					
6				/ /					
7				/ /					
8				/ /					
9				/ /					
10				/ /					
11				/ /					
12				/ /					
13				/ /					
14				/ /					
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
20				/ /					

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

6/11/10

Calibration ID: NA Sequence ID: NA Hexane Lot No 71940

REVIEWED BY: _____ DATE 6/11/10

05/20/10: jad

4. Raw QC Data

    a. Blank Data

    b. Laboratory Control Sample Data

    c. Matrix Spike Data

    d. Matrix Spike Duplicate Data

a. Blank Data

Arranged by type of blank

i) Method blanks shall be in chronological order, by extraction date.
ii) Instrument blanks shall be in chronological order, by GC column and instrument.
iii) Sulfur cleanup blanks (if needed) shall be in chronological order, by date of analysis.

- Tabulated Results (Form I)
- Chromatograms and date system printout(s) for each GC column and instrument used for analysis.

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKCT

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 0052601-BLK1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.7	U
319-85-7	beta-BHC	1.7	U
319-84-6	alpha-BHC	0.22	JP
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
72-54-8	4,4'-DDD	3.3	U
72-55-9	4,4'-DDE	3.3	U
50-29-3	4,4'-DDT	3.3	U
60-57-1	Dieldrin	3.3	U
959-98-8	Endosulfan I	1.7	U
33213-65-9	Endosulfan II	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
72-20-8	Endrin	3.3	U
7421-93-4	Endrin Aldehyde	3.3	U
76-44-8	Heptachlor	1.7	U
1024-57-3	Heptachlor Epoxide	1.7	U
72-43-5	Methoxychlor	17	U
8001-35-2	Toxaphene	83	U
53494-70-5	Endrin Ketone	3.3	U
5103-74-2	gamma-Chlordane	1.7	U
5103-71-9	alpha-Chlordane	1.7	U

Data File: /chem/tracegc84.i/j100528zf.b/339j0052601-BLK1.d

Date : 08-JUN-2010 15:02

Client ID: PBLKCT

Instrument: tracegc84.i

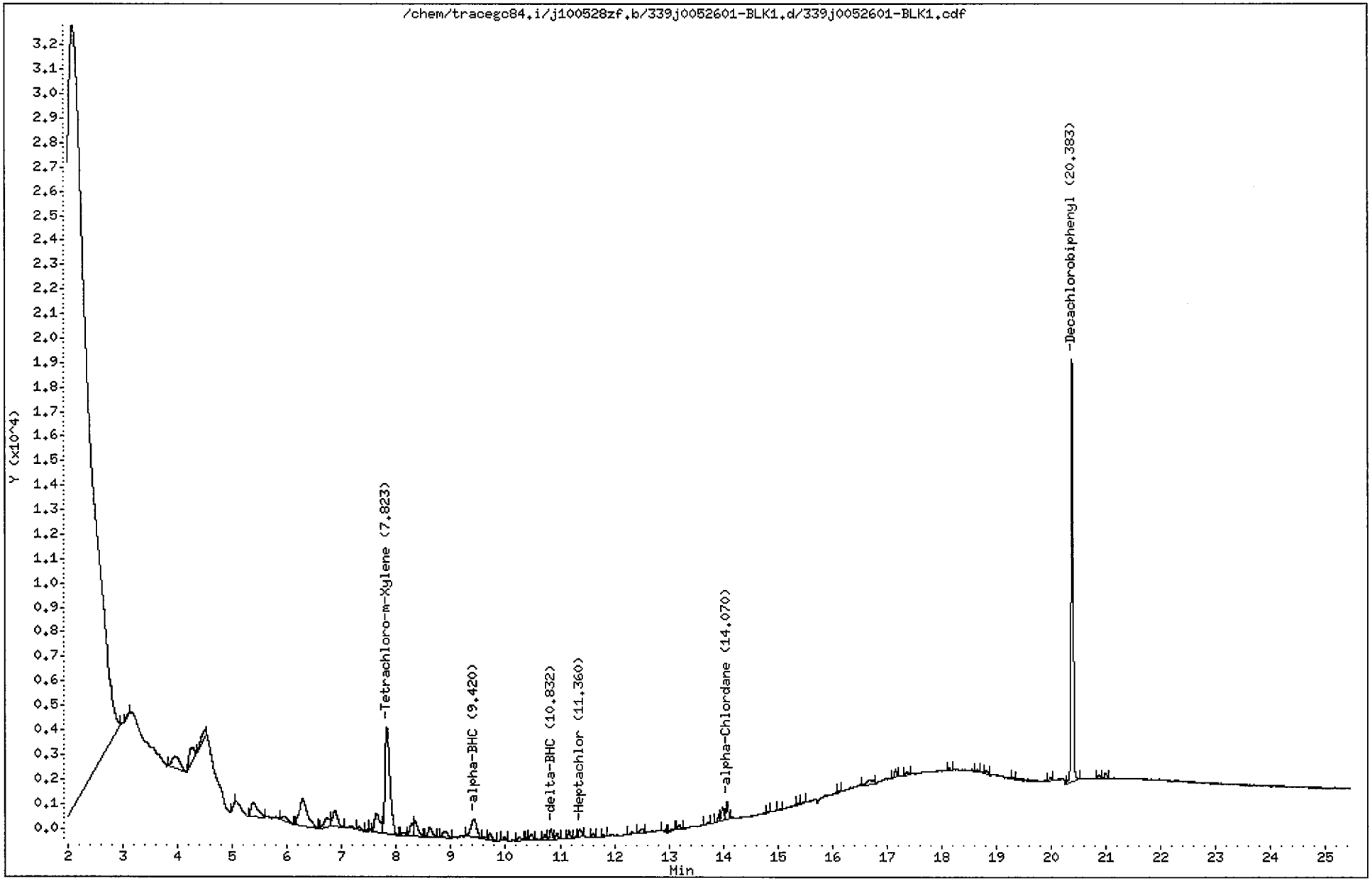
Sample Info: 0052601-BLK1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0052601-BLK1 Client Smp Id : PBLKCT
Sample Type : BLANK Sublist : DODPEST
Inj Date : 08-JUN-2010 15:02 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zf.b/8081A_clpestv6.m
Misc. Info : PBLKCT

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.49			29298								
2.09			983361								
3.12			454								
3.94			4793								
4.26			4232								
4.49			2606								
5.04			213								
5.39			5221								
5.94			1005								
6.28			11017								
6.72			2589								
6.87			3865								
7.33			562								
7.48			165								
7.64			5456								
7.82	7.77	7.91	27217	522758	Tetrachloro-m-Xylene	0.052064	8.677382		86.8	70 - 125	
8.13			696								
8.28			2374								
8.35			3247								
8.61			1965								
8.88			1638								
9.42	9.29	9.43	5811	775960	alpha-BHC	0.007487	1.247917	1.700000			J
9.60			477								
9.72			1033								
9.98			353								
10.25			670								
10.41			315								
10.47			954								
10.72			690								
10.83	10.77	10.91	1385	689518	delta-BHC	0.002007	0.334533	1.700000			J
10.94			743								
11.17			951								
11.29			132								
11.36	11.29	11.43	1289	695465	Heptachlor	0.001852	0.308666	1.700000			J
11.61			444								
11.81			228								
12.34			419								

6/10/10

CompuChem

Lab Smp Id : 0052601-BLK1 Client Smp Id : PBLKCT
Sample Type : BLANK Sublist : DODPEST
Inj Date : 08-JUN-2010 15:02 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zf.b/8081A_clpestv6.m
Misc. Info : PBLKCT

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.52		839								
12.89		371								
13.08		282								
13.19		554								
13.71		277								
13.92		761								
13.98		1814								
14.07	14.00 14.14	2015	516712	alpha-Chlordane	0.003898	0.649620	1.700000			J
14.82		175								
15.05		139								
15.37		138								
15.50		141								
16.13		187								
16.68		1609								
17.16		868								
17.37		434								
18.14		272								
18.64		263								
18.82		479								
19.29		139								
19.98		397								
20.38	20.33 20.47	45708	408350	Decachlorobiphenyl	0.111933	18.65557		93.3	55 - 130	
20.87		383								
21.00		606								

Data File: /chem/tracegc84.i/j100528zf_2C.b/339j0052601-BLK1.d

Date : 08-JUN-2010 15:02

Client ID: PBLKCT

Instrument: tracegc84.i

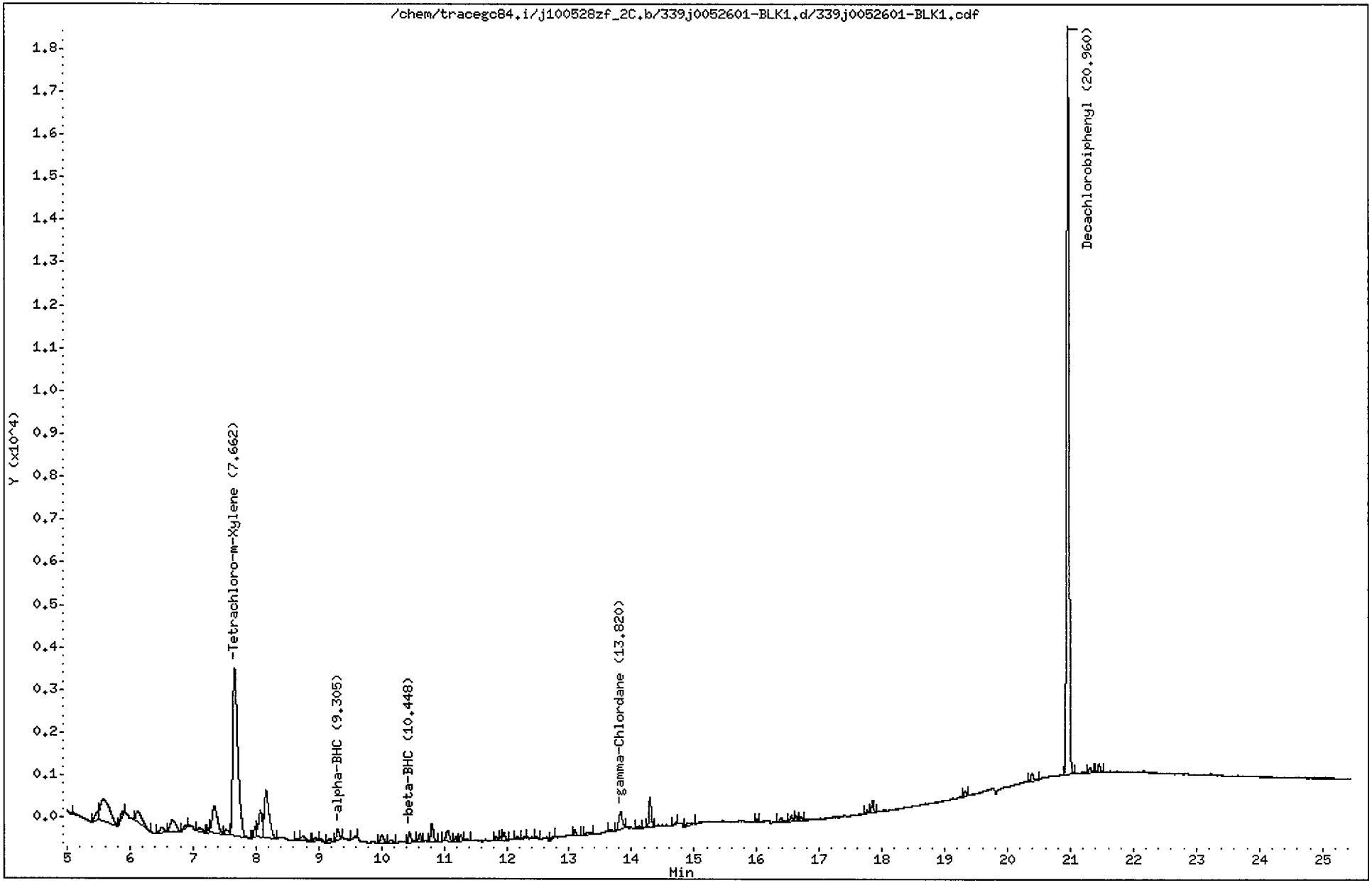
Sample Info: 0052601-BLK1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: olpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0052601-BLK1 Client Smp Id : PBLKCT
Sample Type : BLANK Sublist : DODPEST
Inj Date : 08-JUN-2010 15:02 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zf_2C.b/8081A_clpest2v6.m
Misc. Info : PBLKCT

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.90			77054								
2.91			1601								
3.43			1495								
3.90			1699								
4.80			7657								
5.49			664								
5.58			5726								
5.89			596								
6.12			1932								
6.50			479								
6.68			1727								
6.88			237								
7.10			495								
7.26			218								
7.34			3853								
7.53			426								
7.66	7.61	7.75	22103	416798	Tetrachloro-m-Xylene	0.053031	8.838425		88.4	70 - 125	
7.99			742								
8.07			2551								
8.16			5821								
8.66			144								
8.76			568								
8.96			274								
9.04			160								
9.17			293								
9.30	9.26	9.40	821	607758	alpha-BHC	0.001349	0.224870	1.700000			J
9.59			145								
10.01			649								
10.16			287								
10.45	10.41	10.55	779	248610	beta-BHC	0.003129	0.521567	1.700000			J
10.62			593								
10.81			1230								
11.05			893								
11.19			290								
11.27			348								
11.36			134								
11.84			267								

6/10/10

CompuChem

Lab Smp Id : 0052601-BLK1 Client Smp Id : PBLKCT
Sample Type : BLANK Sublist : DODPEST
Inj Date : 08-JUN-2010 15:02 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zf_2C.b/8081A_clpest2v6.m
Misc. Info : PBLKCT

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.91		185								
11.96		497								
12.17		187								
12.30		107								
12.48		149								
12.76		185								
13.09		344								
13.31		309								
13.65		129								
13.82	13.71 13.85	1586	513150	gamma-Chlordane	0.003089	0.514794	1.700000			J
14.12		157								
14.29		1733								
14.70		95								
14.95		443								
16.00		124								
16.39		267								
16.55		374								
16.64		318								
16.70		223								
17.76		155								
17.85		635								
19.32		266								
20.39		503								
20.96	20.90 21.04	45730	406698	Decachlorobiphenyl	0.112440	18.73997		93.7	55 - 130	
21.31		322								
21.45		502								

CompuChem

ASSIGNED TO R. McKOY, T. WILLIAMS EXTRACTION WORKSHEET

DATE/TIME EXTRACTED: 5-26-10@1230

PEST/PCB IN S/S/S BY METHOD 3550B/C for 8081/8082

576

EMPLOYEE ID # 2171 / 1289

733

6-4-2

BATCH NO.: 0052601

	COMPUCHEM NUMBER	CLIENT SAMPLE ID	QC SAMPLE TYPE	SAMPLE WEIGHT (g)	FINAL VOLUME (ml)	COMMENTS
1	0052601-BLK1	PBLKCT	MB	30.0	VG 6-4-10 5.0	** Samples need to be GPC'd **
2	0052601-BS1	PCTLCS	LCS	30.0		VG 6-4-10
3	0052601-MS1	S873-9-10MS	MS	30.0		
4	0052601-MSD1	S873-9-10MSD	MSD	30.0		
5	1005157-01	S873-9-10	SAMPLE	30.0		QC
6	1005157-02	SS51-0-1	SAMPLE	30.0		GPC (3640A) PERFORMED? (Y) N
7	1005157-03	SS51D-0-1	SAMPLE	30.0		FLORISIL PERFORMED? Y (N)
8	1005157-04	SS90-0-1	SAMPLE	30.0		
9	1005157-05	SB90-2-3	SAMPLE	30.0		
10	1005157-06	SS70-0-1	SAMPLE	30.0		
11	1005157-07	SB70-1-2	SAMPLE	30.0		
12	1005157-08	SS69-0-1	SAMPLE	30.0		
13	1005157-09	SB69-2-3	SAMPLE	30.0		
14	1005157-10	SB64-1-2	SAMPLE	30.0		
15	1005157-11	SB65-1-2	SAMPLE	30.0		
16	1005157-12	SS64-0-1	SAMPLE	30.0		
17	1005157-13	SS66-0-1	SAMPLE	30.0		
18	1005157-14	SS65-0-1	SAMPLE	30.0		
19	1005157-15	SS82-0-1	SAMPLE	30.0		
20	1005157-16	SS82D-0-1	SAMPLE	30.0		
21	1005157-17	SB82-2-3	SAMPLE	30.0		
22	1005157-18	SB82D-2-3	SAMPLE	30.0	5.0 1.0 VG 6-4-10	
23						VG 6-4-10
24		VG 6-4-10				GC Run Date: 6-2-10
25						GC # 2
26						GC Calib Date: 6-2-10

		#	AMOUNT	LOT	SURROGATE AND SPIKE ADDED BY:
	SURROGATE	449	0.5 ml	OE07001	TMW 5-26-10
	SPIKE	4030	1.0 ml	OE14001	INITIALS DATE

FINAL VOLUME VERIFIED: VG

Analysts initials. Extract TMW KD VG/AJL VG 5.26.10 N2 VG Bottle up VG

REVIEWED BY: TMW, JW

Balance: OHAUS-E400

Witness VG, 5-26-10 (Initials Date)

Manufacturers and lot numbers of reagents/solvents used: 50/50 CH_2Cl_2/CH_3COCH_3-ZXB-651-3, Na_2SO_4-ZXB-650-1, C_6H_{14}-73003

4/1/10:jad

1D

EPA SAMPLE NO.

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

PIBLKLQ

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

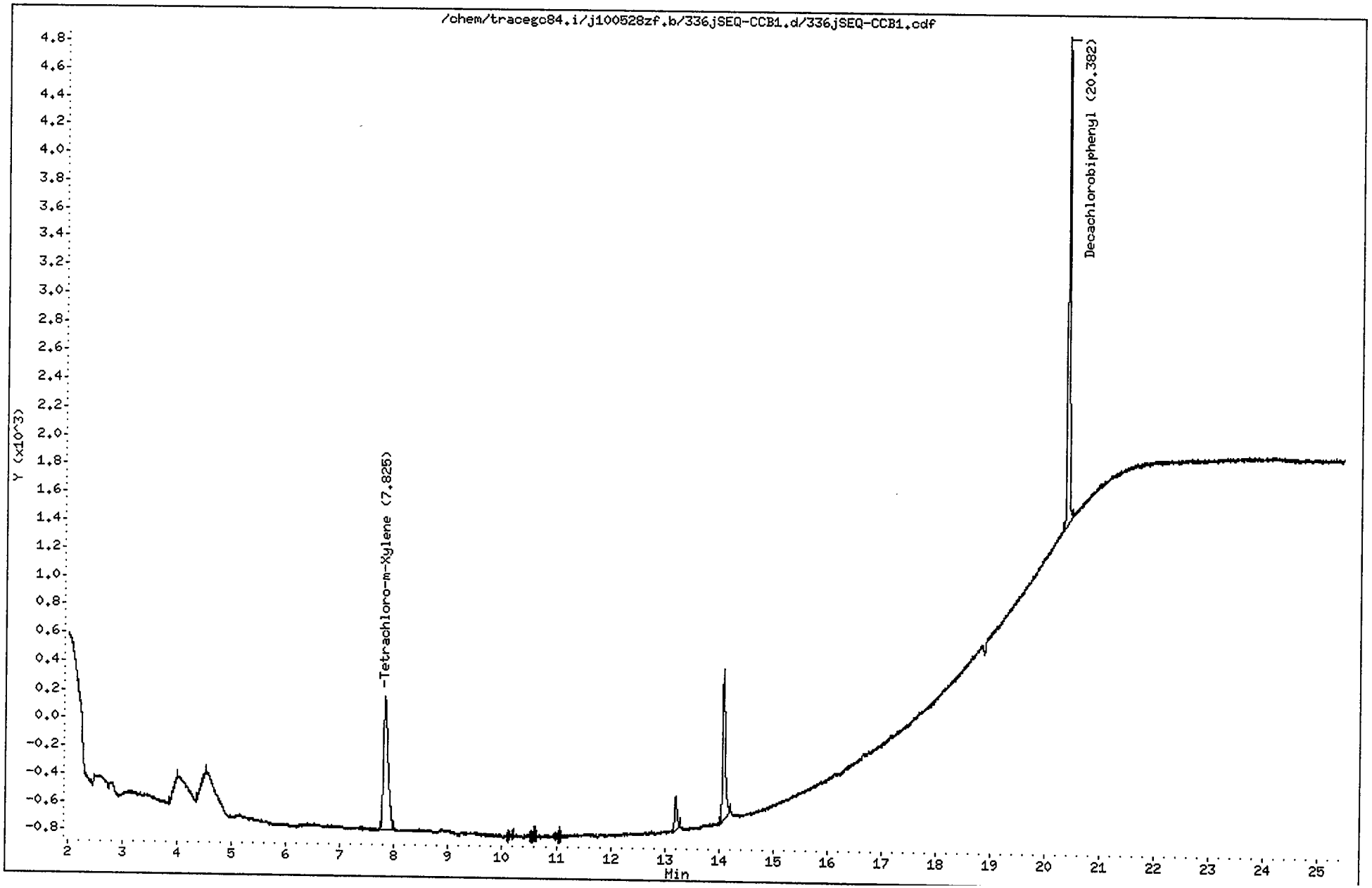
Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc84.i/j100528zf.b/336jSEQ-CCB1.d
Date : 08-JUN-2010 13:35
Client ID: PIBLKLQ
Sample Info: SEQ-CCB1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i
Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB1 Client Smp Id : PIBLKLQ
Sample Type : INSTBLANK Sublist : all
Inj Date : 08-JUN-2010 13:35 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zf.b/8081A_clpestv6.m
Misc. Info : PIBLKLQLR

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 2000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.35			125						
1.45			26994						
4.00			195						
4.51			239						
7.82	7.77	7.91	5637	522758	Tetrachloro-m-Xylene	0.010783	0.021566		
10.54			123						
13.20			728						
14.08			3557						
20.38	20.33	20.47	8927	408350	Decachlorobiphenyl	0.021861	0.043722		

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKLR

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

FORM I PEST

Data File: /chem/tracegc84.i/j100528zf_2C.b/336jSEQ-CCB1.d

Date : 08-JUN-2010 13:35

Client ID: PIBLKLR

Instrument: tracegc84.i

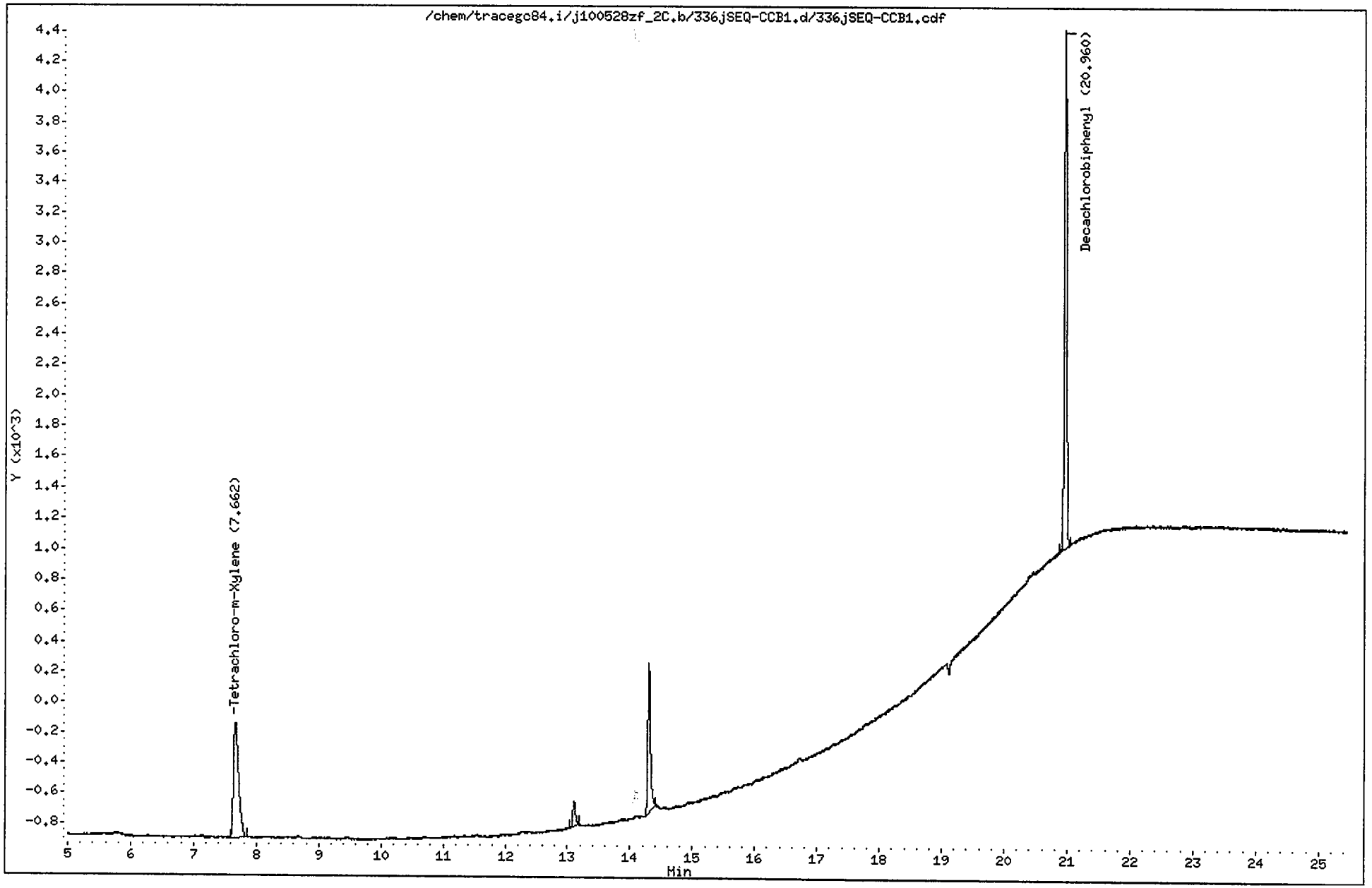
Sample Info: SEQ-CCB1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB1 Client Smp Id : PIBLKLR
Sample Type : CONT CAL: Level 3 Sublist : all
Inj Date : 08-JUN-2010 13:35 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zf_2C.b/8081A_clpest2v6.m
Misc. Info : PIBLKLQLR

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.31			125								
1.44			7490								
1.80			204								
7.66	7.61	7.75	4364	416798	Tetrachloro-m-Xylene	0.020000	424025	-1.7	20.0		
13.11			503								
14.30			2875								
20.96	20.90	21.04	8722	406698	Decachlorobiphenyl	0.040000	411368	-1.1	20.0		

6/9/2

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKLS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

FORM I PEST

Data File: /chem/tracegc84.i/j100528zg.b/348jSEQ-CCB2.d

Date : 08-JUN-2010 19:22

Client ID: PIBLKLS

Instrument: tracegc84.i

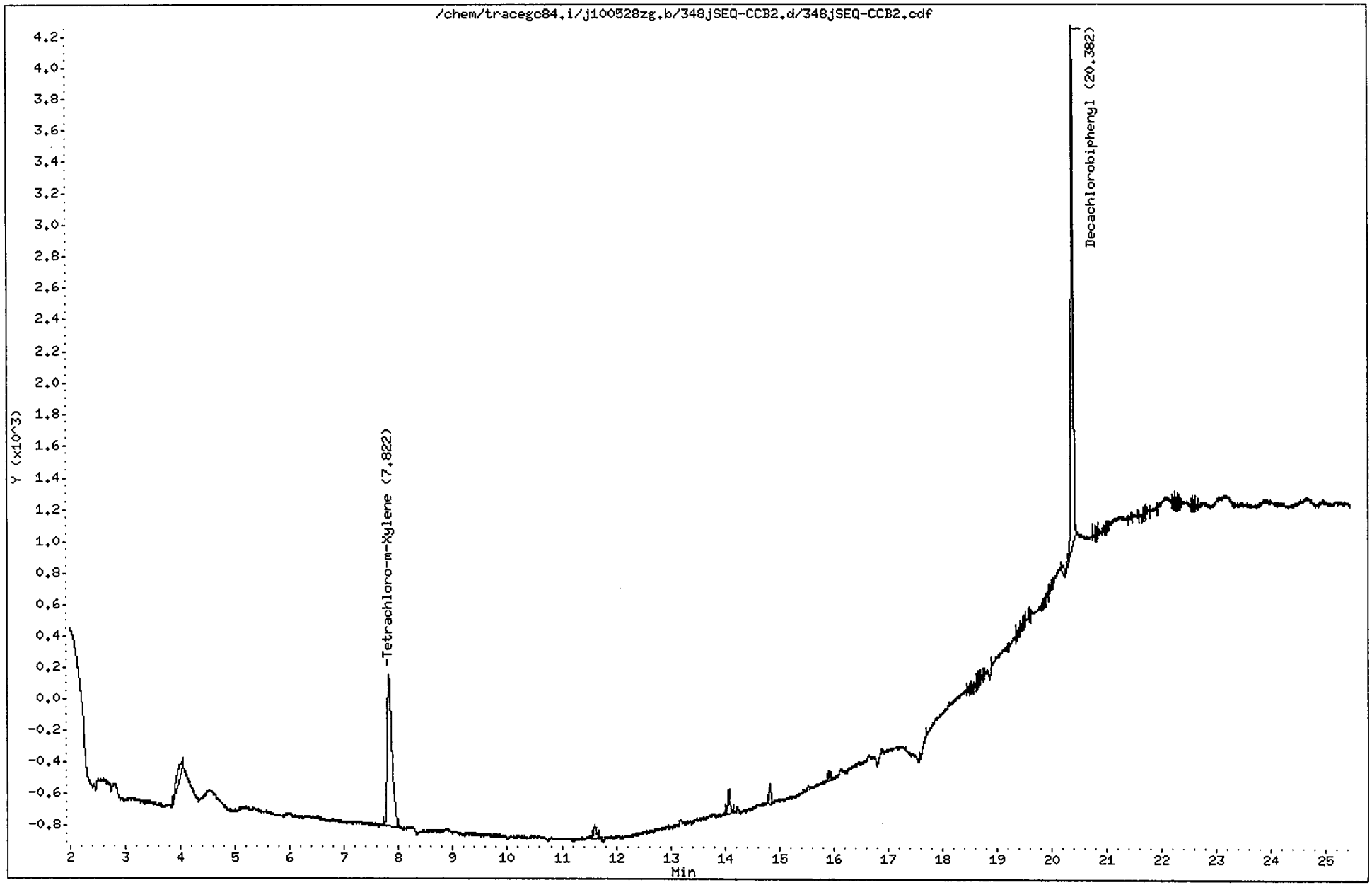
Sample Info: SEQ-CCB2

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB2 Client Smp Id : PIBLKLS
Sample Type : INSTBLANK Sublist : all
Inj Date : 08-JUN-2010 19:22 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zg.b/8081A_clpestv6.m
Misc. Info : PIBLKLSLT

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 2000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.35			161						
1.45			2938						
4.01			671						
7.82	7.77	7.91	5634	522758	Tetrachloro-m-Xylene	0.010777	0.021555		
11.62			292						
14.07			404						
14.83			317						
15.92			170						
17.71			173						
18.64			144						
20.19			209						
20.38	20.33	20.47	8612	408350	Decachlorobiphenyl	0.021087	0.042175		
21.68			172						
22.27			137						
22.56			130						

16/12

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKLT

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

FORM I PEST

Data File: /chem/tracegc84.i/j100528zg_2C.b/348jSEQ-CCB2.d

Date : 08-JUN-2010 19:22

Client ID: PIBLKLT

Instrument: tracegc84.i

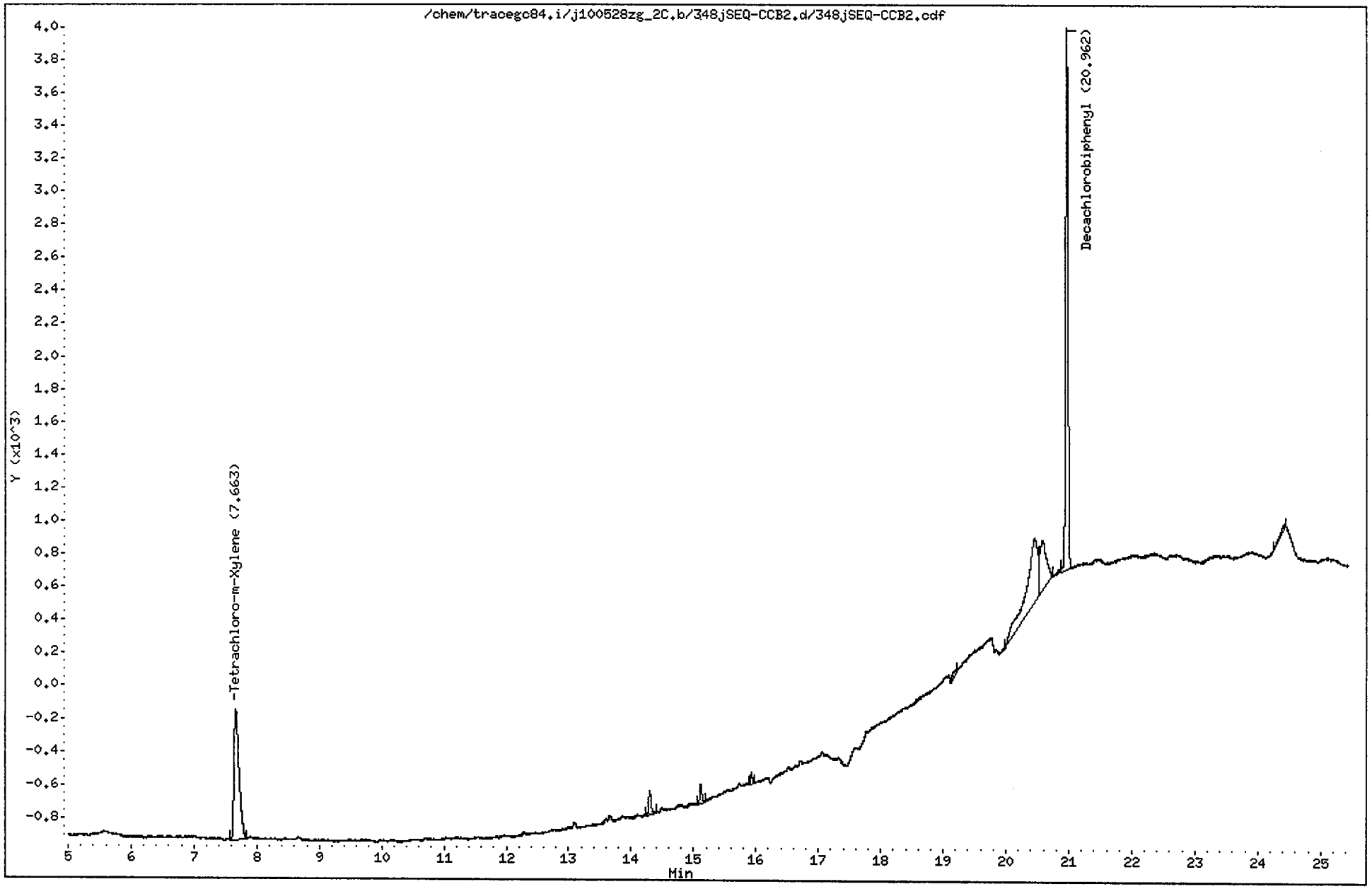
Sample Info: SEQ-CCB2

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB2 Client Smp Id : PIBLKLT
Sample Type : INSTBLANK Sublist : all
Inj Date : 08-JUN-2010 19:22 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zg_2C.b/8081A_clpest2v6.m
Misc. Info : PIBLKLSLT

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.31			123						
1.44			7088						
3.35			365						
7.66	7.61	7.75	4387	416798	Tetrachloro-m-Xylene	0.010526	0.052629		
14.29			386						
15.12			268						
15.93			149						
19.21			111						
20.45			5121						
20.58			2230						
20.96	20.90	21.04	8387	406698	Decachlorobiphenyl	0.020622	0.103109		
24.41			146						

16/12/10

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKLU

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB3

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc84.i/j100528zh.b/360jSEQ-CCB3.d

Date : 09-JUN-2010 01:09

Client ID: PIBLKLU

Instrument: tracegc84.i

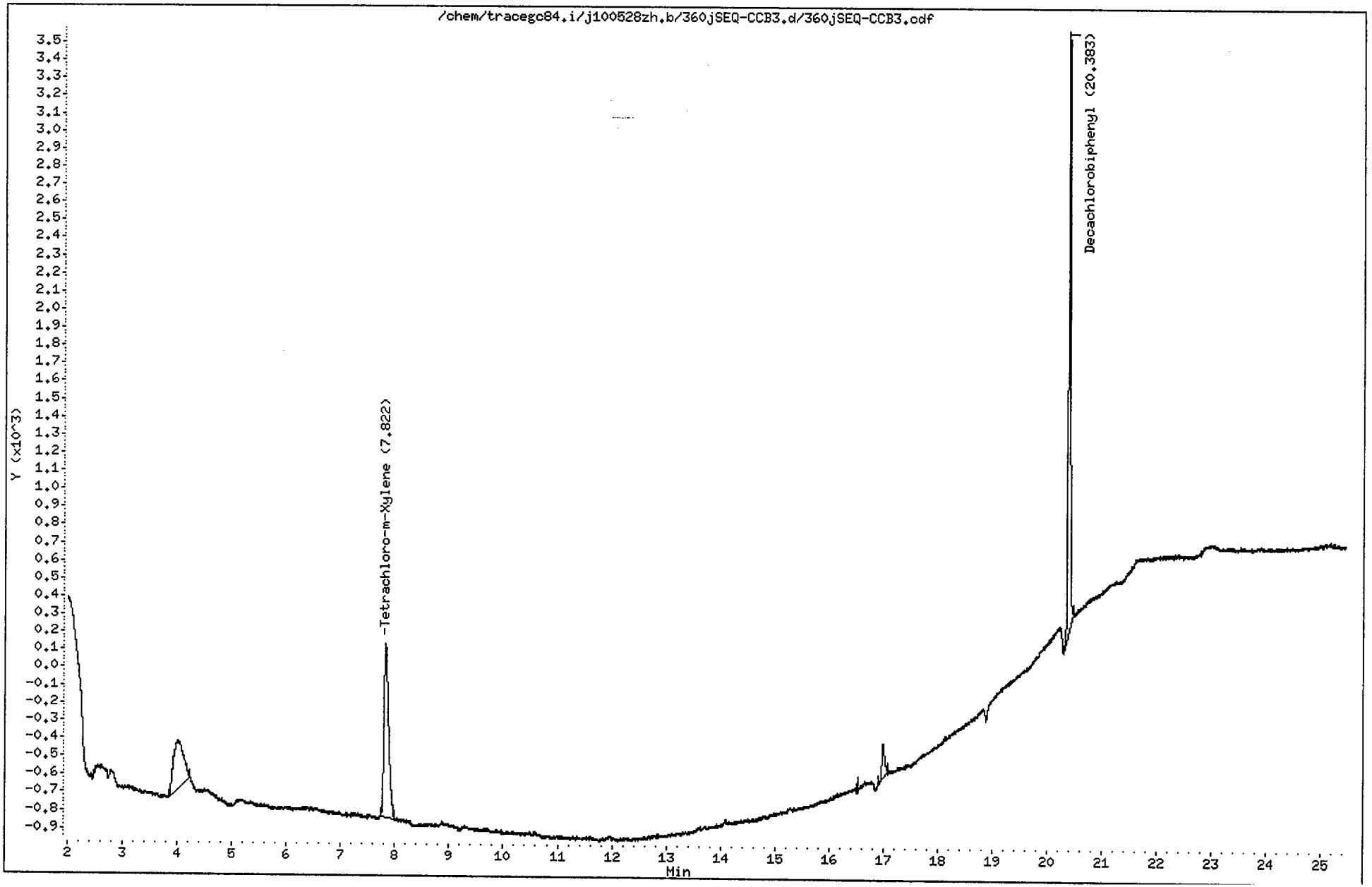
Sample Info: SEQ-CCB3

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB3 Client Smp Id : PIBLKLU
Sample Type : INSTBLANK Sublist : all
Inj Date : 09-JUN-2010 01:09 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zh.b/8081A_clpestv6.m
Misc. Info : PIBLKLULV

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 2000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.36			172						
1.46			29970						
4.01			3400						
7.82	7.77	7.91	5750	522758	Tetrachloro-m-Xylene	0.010998	0.021997		
16.99			625						
20.38	20.33	20.47	8688	408350	Decachlorobiphenyl	0.021276	0.042552		

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKLV

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB3

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc84.i/j100528zh_2C.b/360jSEQ-CCB3.d

Date : 09-JUN-2010 01:09

Client ID: PIBLKLV

Instrument: tracegc84.i

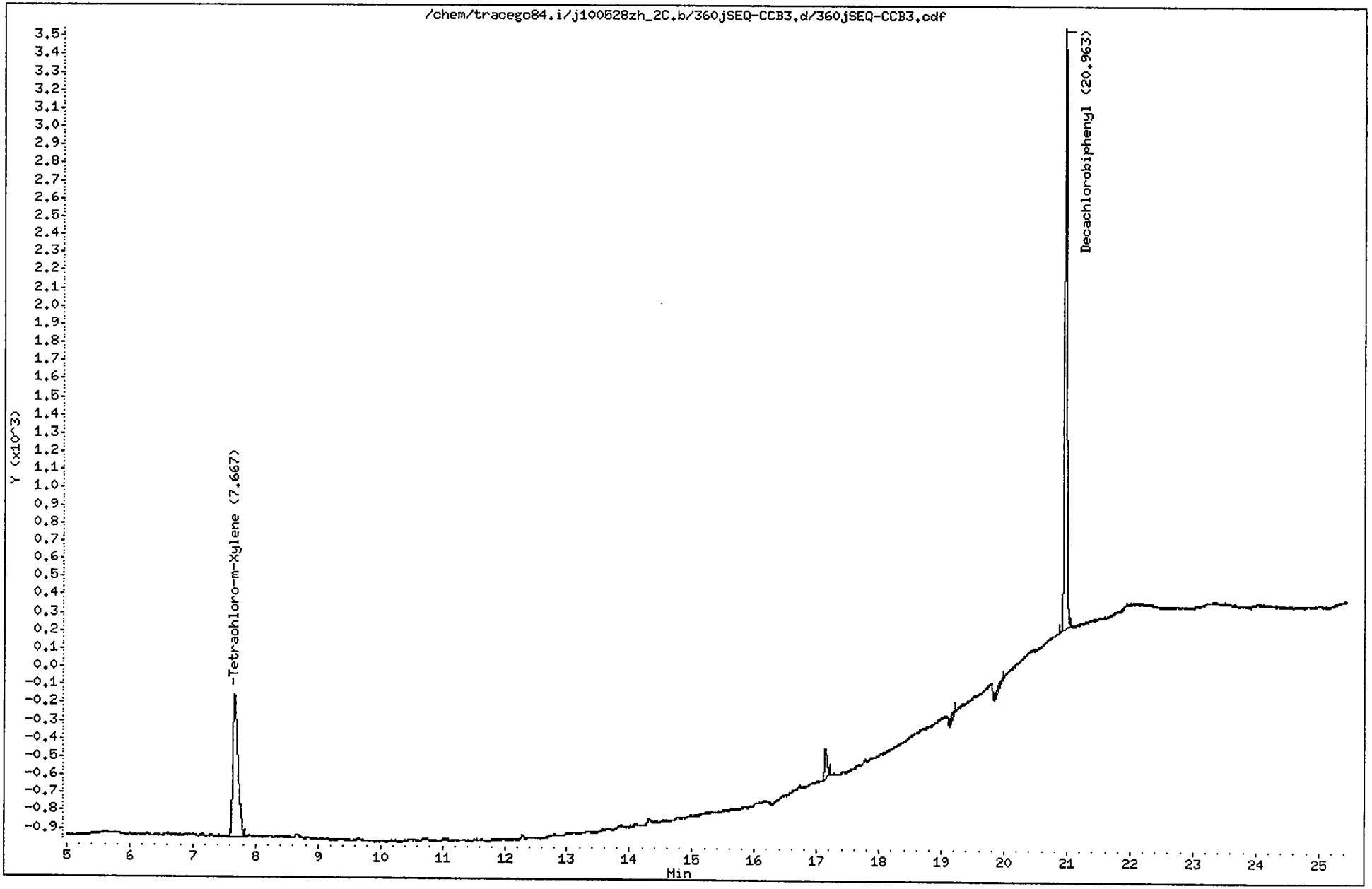
Sample Info: SEQ-CCB3

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB3 Client Smp Id : PIBLKLV
Sample Type : INSTBLANK Sublist : all
Inj Date : 09-JUN-2010 01:09 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zh_2C.b/8081A_clpest2v6.m
Misc. Info : PIBLKLULV

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.31			118						
1.44			7123						
1.81			4364						
3.35			530						
7.67	7.61	7.75	4481	416798	Tetrachloro-m-Xylene	0.010751	0.053757		
17.14			495						
19.21			132						
19.97			136						
20.96	20.90	21.04	8467	406698	Decachlorobiphenyl	0.020818	0.104089		

6/9/10

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKLW

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB4

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc84.i/j100528zi.b/370jSEQ-CCB4.d

Date : 09-JUN-2010 05:58

Client ID: PIBLKLW

Instrument: tracegc84.i

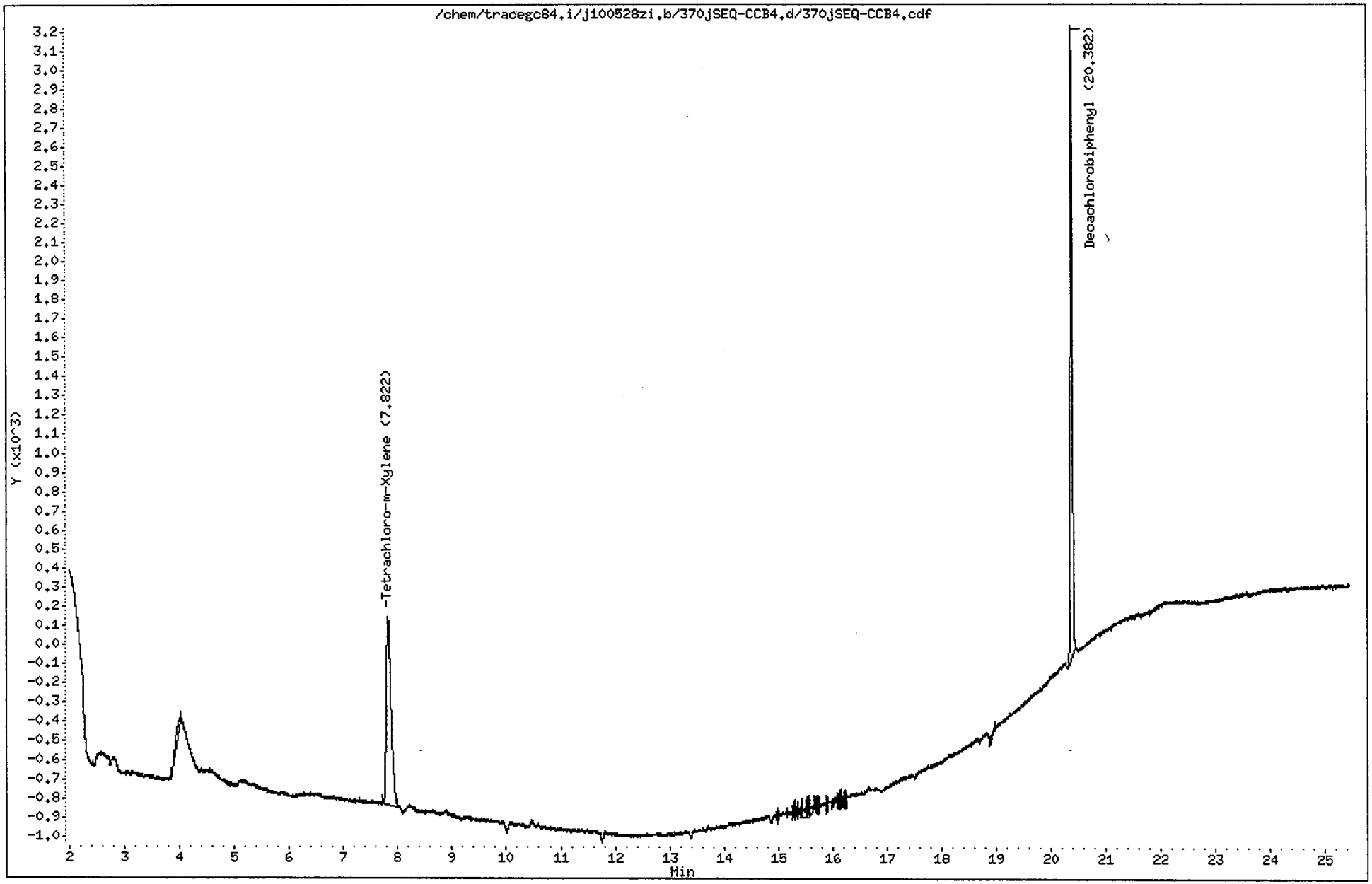
Sample Info: SEQ-CCB4

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB4 Client Smp Id : PIBLKLW
Sample Type : INSTBLANK Sublist : all
Inj Date : 09-JUN-2010 05:58 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zi.b/8081A_clpestv6.m
Misc. Info : PIBLKLWLX

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 2000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.35			179						
1.46			28646						
4.01			621						
7.82	7.77	7.91	5781	522758	Tetrachloro-m-Xylene	0.011058	0.022115		
15.43			212						
15.54			214						
15.61			133						
16.12			139						
18.98			122						
20.38	20.33	20.47	8376	408350	Decachlorobiphenyl	0.020511	0.041022		

6/9/10

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKLX

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB4

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc84.i/j100528zi_2C.b/370jSEQ-CCB4.d

Page 1

Date : 09-JUN-2010 05:58

Client ID: PIBLKL MX TAJ 6/18/10

Instrument: tracegc84.i

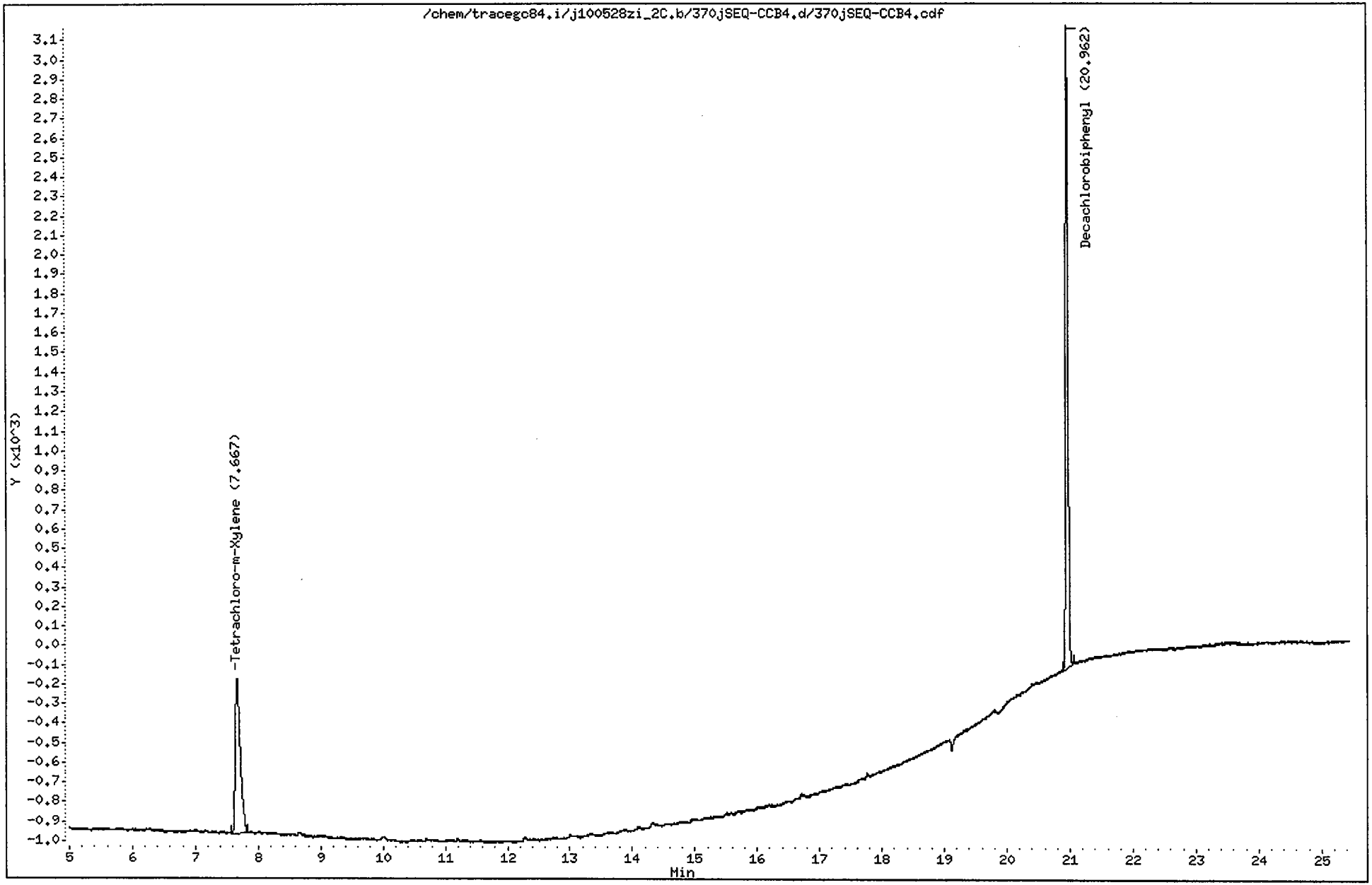
Sample Info: SEQ-CCB4

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB4 Client Smp Id : PIBLKLWLX
Sample Type : CONT CAL: Level 3 Sublist : all
Inj Date : 09-JUN-2010 05:58 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zi_2C.b/8081A_clpest2v6.m
Misc. Info : PIBLKLWLX

TAJ 6/18/10

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.31			102								
1.45			7515								
1.83			4233								
3.31			144								
7.67	7.61	7.75	4460	416798	Tetrachloro-m-Xylene	0.020000	433850	-4.1	20.0		
20.96	20.90	21.04	8450	406698	Decachlorobiphenyl	0.040000	402625	1.0	20.0		

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKME

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB3

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/10/10

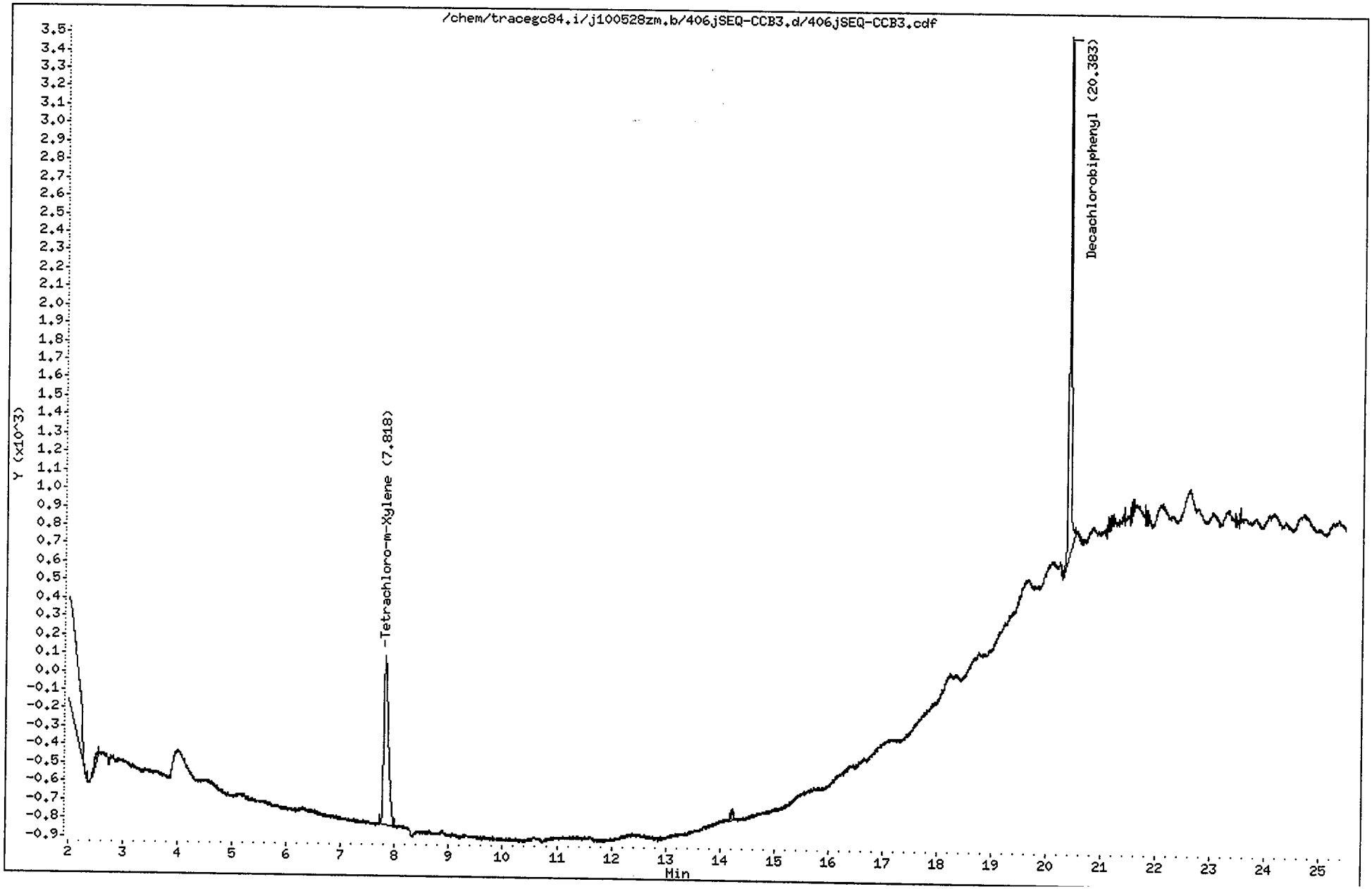
Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc84.i/j100528zm.b/406jSEQ-CCB3.d
Date : 10-JUN-2010 23:53
Client ID: PIBLKME
Sample Info: SEQ-CCB3
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i
Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB3 Client Smp Id : PIBLKME
Sample Type : INSTBLANK Sublist : all
Inj Date : 10-JUN-2010 23:53 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zm.b/8081A_clpestv6.m
Misc. Info : PIBLKMEMF

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 2000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.30			210						
1.35			521						
1.45			68637						
2.52			191						
7.82	7.77	7.91	5448	522758	Tetrachloro-m-Xylene	0.010421	0.020843		
14.23			144						
20.38	20.33	20.47	7648	408350	Decachlorobiphenyl	0.018730	0.037460		
21.80			155						

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKMF

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB3

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/10/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc84.i/j100528zm_2C.b/406jSEQ-CCB3.d

Date : 10-JUN-2010 23:53

Client ID: PIBLKMF

Sample Info: SEQ-CCB3

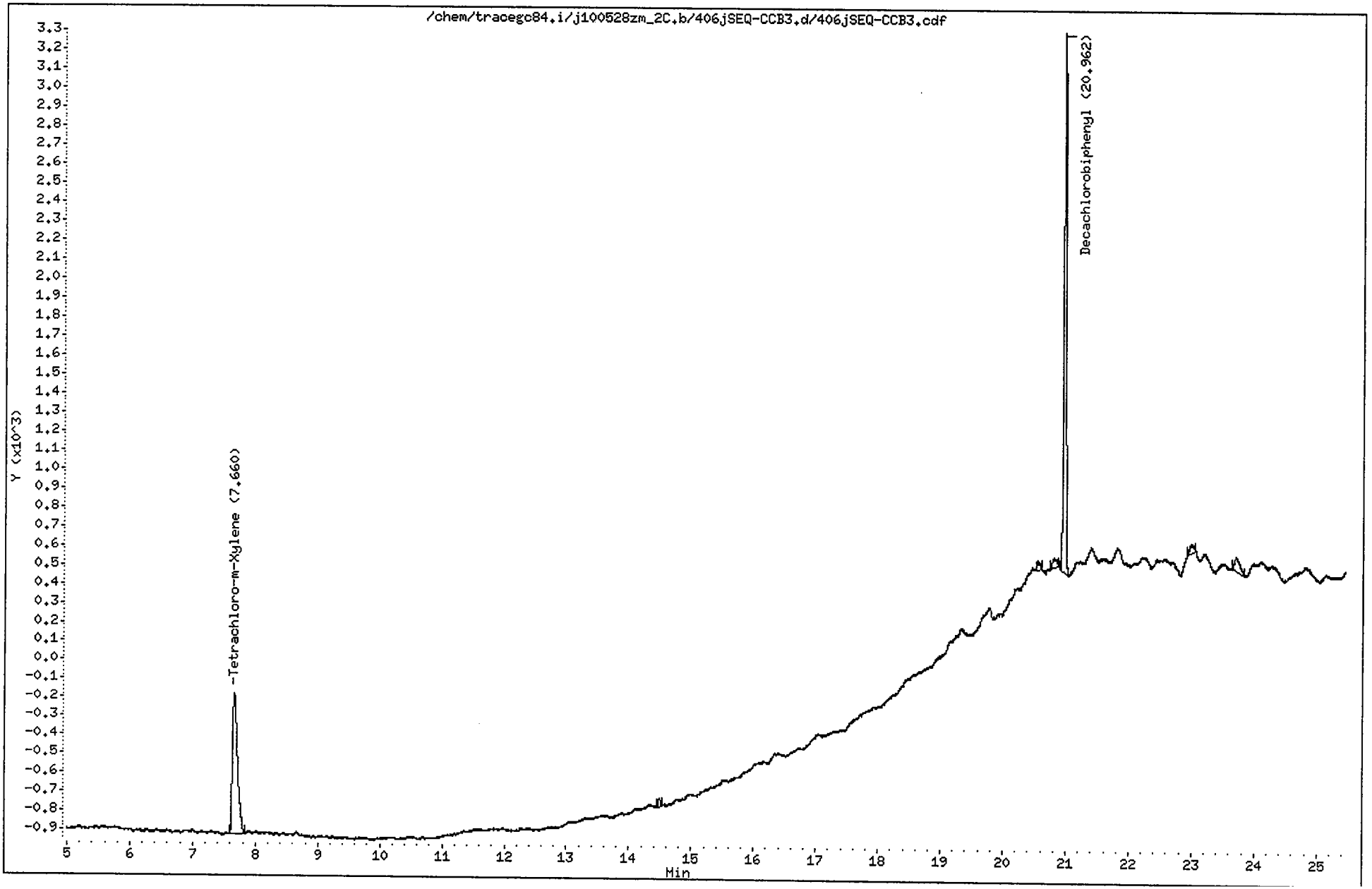
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB3 Client Smp Id : PIBLKMF
Sample Type : INSTBLANK Sublist : all
Inj Date : 10-JUN-2010 23:53 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zm_2C.b/8081A_clpest2v6.m
Misc. Info : PIBLKMEMF

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.31			113						
1.44			9686						
2.43			90						
7.66	7.61	7.75	4208	416798	Tetrachloro-m-Xylene	0.010097	0.050485		
14.49			98						
20.55			146						
20.81			196						
20.96	20.90	21.04	6946	406698	Decachlorobiphenyl	0.017080	0.085400		
22.99			157						
23.70			401						

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKMG

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB4

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

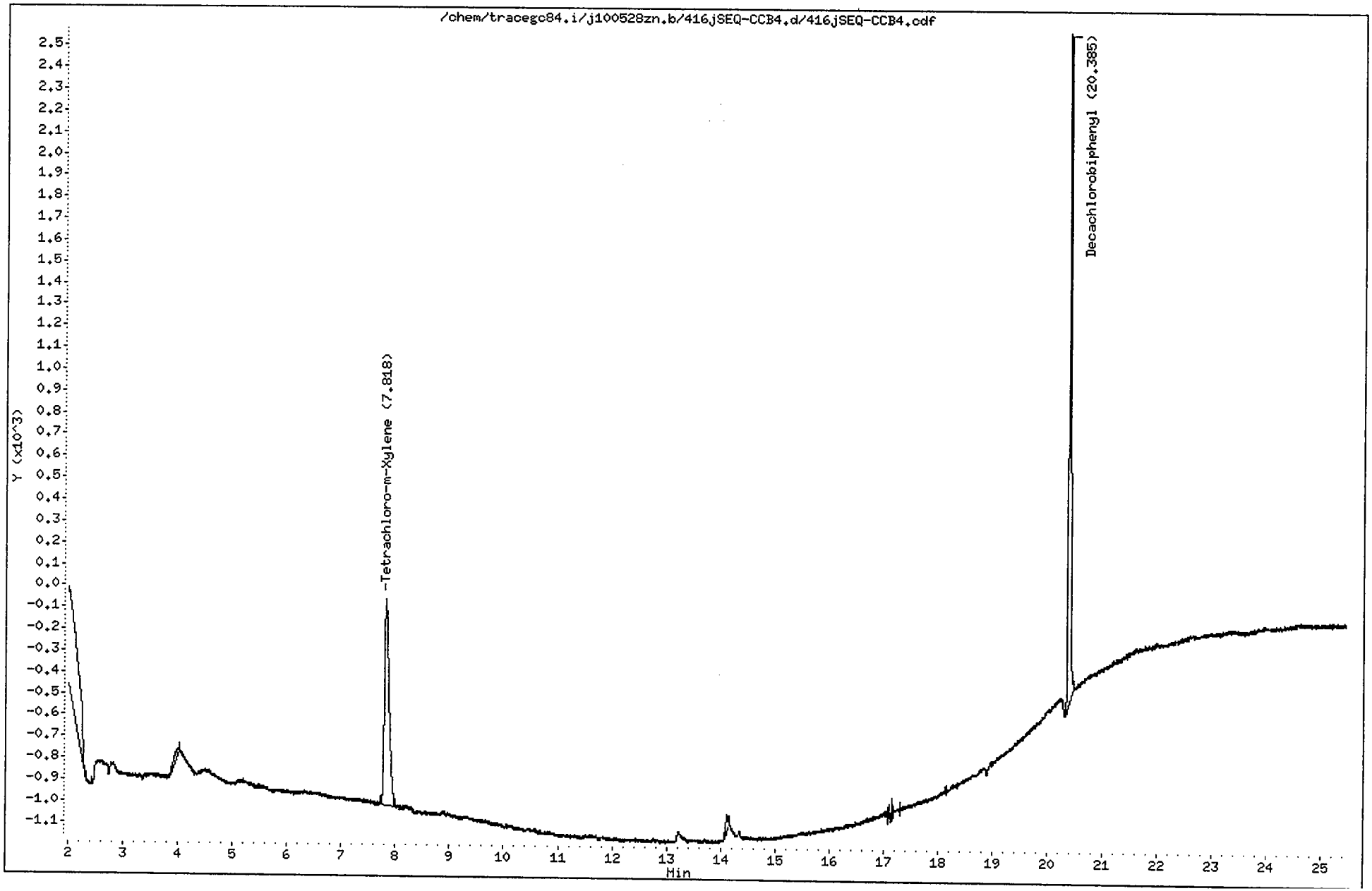
GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc84.i/j100528zn.b/416jSEQ-CCB4.d
Date : 11-JUN-2010 04:42
Client ID: PIBLKMG
Sample Info: SEQ-CCB4
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB4 Client Smp Id : PIBLKMG
Sample Type : INSTBLANK Sublist : all
Inj Date : 11-JUN-2010 04:42 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zn.b/8081A_clpestv6.m
Misc. Info : PIBLKMGMH

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 2000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.35			420						
1.45			57824						
4.01			319						
7.82	7.77	7.91	5660	522758	Tetrachloro-m-Xylene	0.010827	0.021655		
14.12			279						
20.38	20.33	20.47	8260	408350	Decachlorobiphenyl	0.020227	0.040453		

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKMH

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB4

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc84.i/j100528zn_2C.b/416jSEQ-CCB4.d

Date : 11-JUN-2010 04:42

Client ID: PIBLKMH

Instrument: tracegc84.i

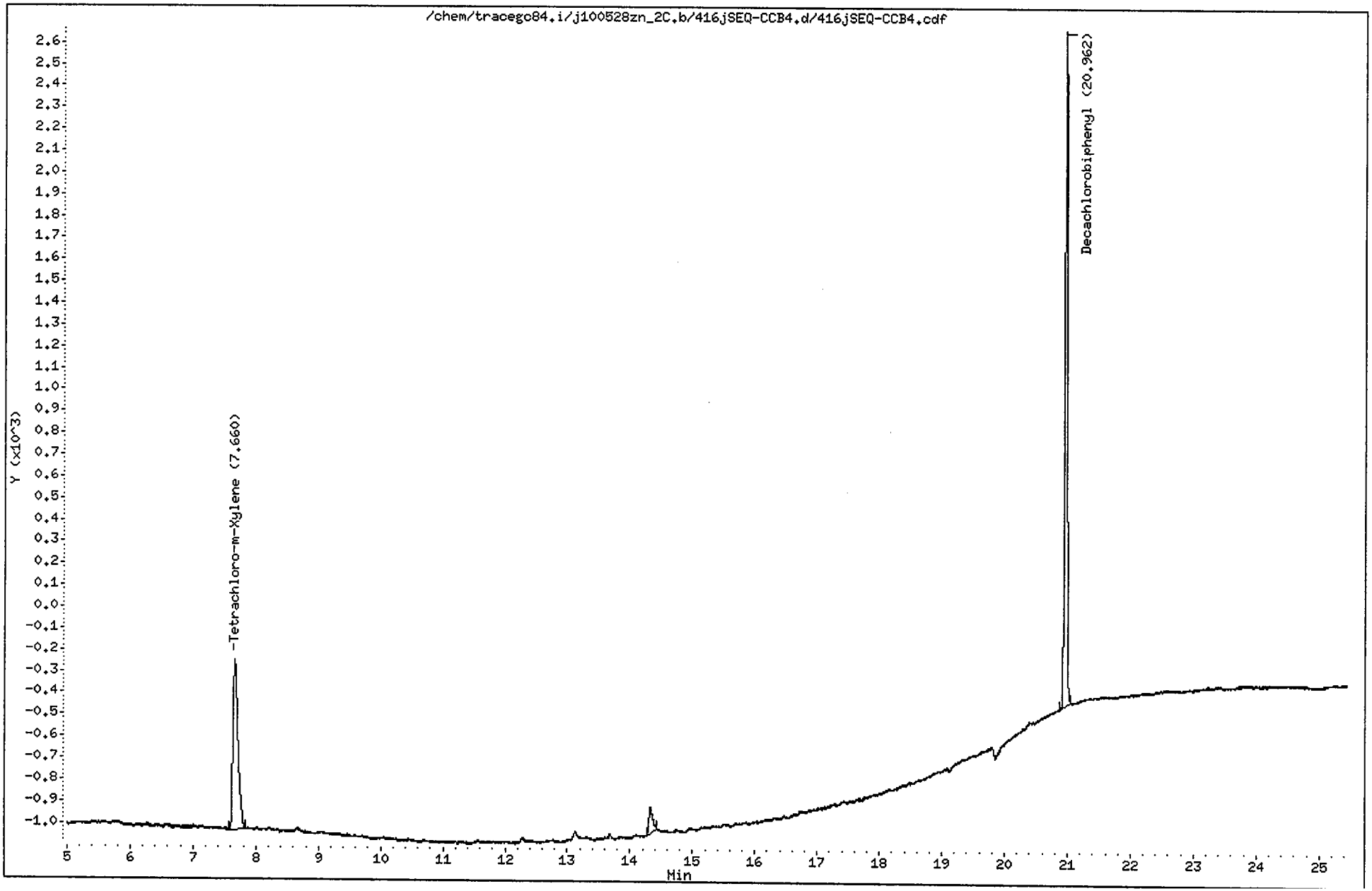
Sample Info: SEQ-CCB4

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB4 Client Smp Id : PIBLKMH
Sample Type : INSTBLANK Sublist : all
Inj Date : 11-JUN-2010 04:42 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zn_2C.b/8081A_clpest2v6.m
Misc. Info : PIBLKMGMH

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.44			8579						
2.42			193						
7.66	7.61	7.75	4447	416798	Tetrachloro-m-Xylene	0.010670	0.053350		
14.33			541						
20.96	20.90	21.04	8120	406698	Decachlorobiphenyl	0.019966	0.099829		

b. Laboratory Control Sample Data

Arranged in chronological order, by extraction date.

- Tabulated Results (Form I)

- Chromatograms and data system printout(s)

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PCTLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 0052601-BS1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

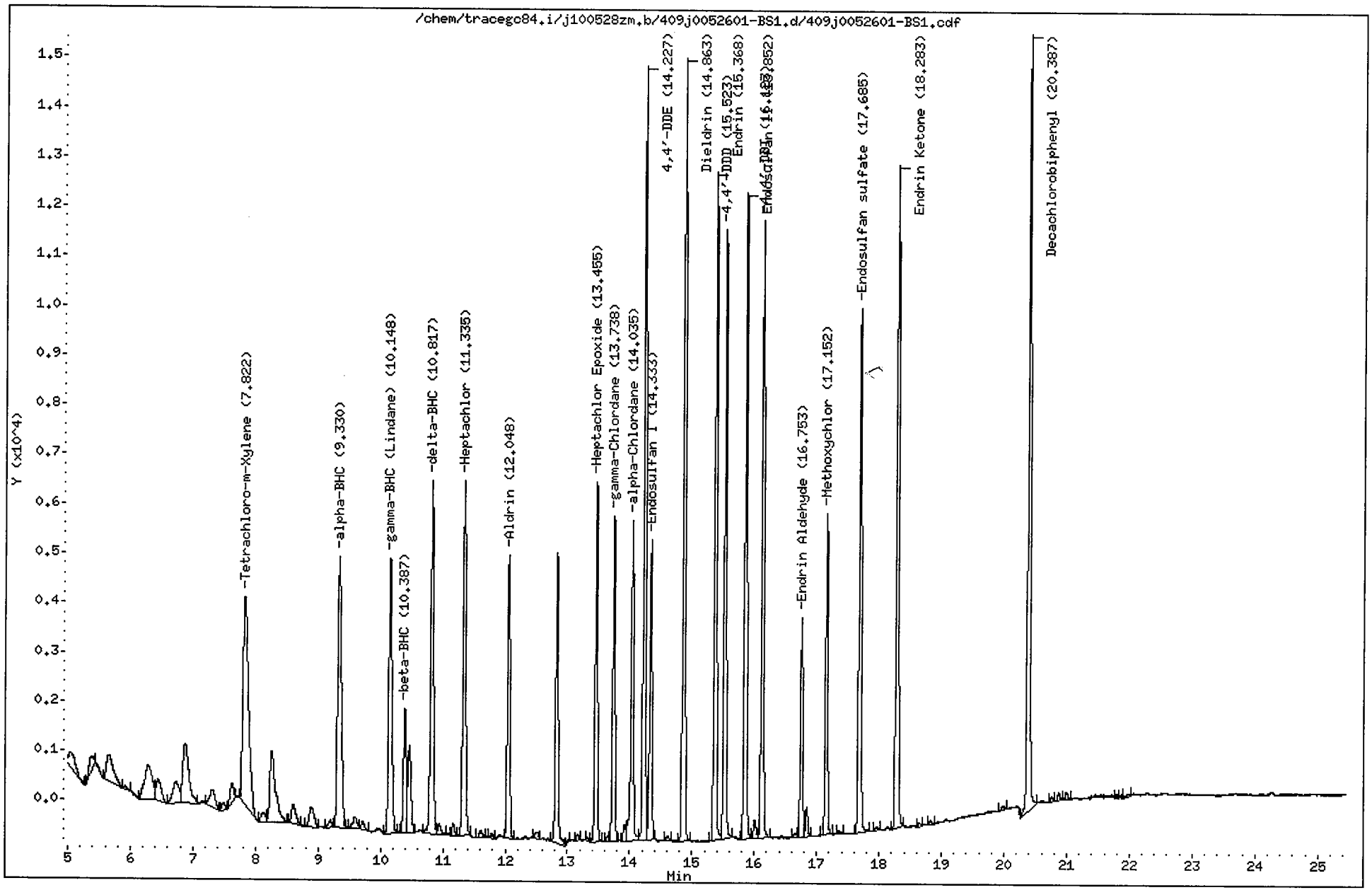
GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	4.3	
319-85-7	beta-BHC	4.3	
319-84-6	alpha-BHC	4.8	B
319-86-8	delta-BHC	5.4	
58-89-9	gamma-BHC (Lindane)	4.5	
72-54-8	4,4'-DDD	12	
72-55-9	4,4'-DDE	12	
50-29-3	4,4'-DDT	11	
60-57-1	Dieldrin	13	
959-98-8	Endosulfan I	4.6	
33213-65-9	Endosulfan II	12	
1031-07-8	Endosulfan sulfate	12	
72-20-8	Endrin	12	
7421-93-4	Endrin Aldehyde	5.3	
76-44-8	Heptachlor	5.3	
1024-57-3	Heptachlor Epoxide	5.2	
72-43-5	Methoxychlor	13	J
8001-35-2	Toxaphene	83	U
53494-70-5	Endrin Ketone	13	
5103-74-2	gamma-Chlordane	4.8	
5103-71-9	alpha-Chlordane	5.6	

Data File: /chem/tracegc84.i/j100528zm.b/409j0052601-BS1.d
Date : 11-JUN-2010 01:20
Client ID: PCTLCS
Sample Info: 0052601-BS1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0052601-BS1 Client Smp Id : PCTLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 11-JUN-2010 01:20 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528zm.b/8081A_clpestv6.m
Misc. Info : PCTLCS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.48			35288								
1.66			12476								
2.08			849945								
2.95			385								
2.99			488								
3.63			5936								
4.24			5060								
4.49			652								
4.75			6476								
5.04			2915								
5.38			1555								
5.65			4213								
5.92			228								
6.28			6137								
6.45			2489								
6.73			2942								
6.87			8021								
7.30			2163								
7.49			550								
7.62			1567								
7.82	7.77	7.91	25755	522758	Tetrachloro-m-Xylene	0.049266	8.210945		82.1	70 - 125	
8.12			934								
8.26			9181								
8.60			1868								
8.89			2186								
9.20			544								
9.33	9.29	9.43	22472	775960	alpha-BHC	0.028959	4.826494	1.700000	96.5	60 - 125	
9.59			1012								
9.71			535								
10.15	10.11	10.25	19550	729192	gamma-BHC (Lindane)	0.026810	4.468413	1.700000	89.4	60 - 125	
10.39	10.34	10.48	7829	300532	beta-BHC	0.026050	4.341738	1.700000	86.8	60 - 125	
10.46			5973								
10.82	10.77	10.91	22885	689518	delta-BHC	0.033190	5.531646	1.700000	110.6	55 - 130	
10.94			680								
11.16			694								
11.34	11.29	11.43	22154	695465	Heptachlor	0.031855	5.309158	1.700000	106.2	50 - 140	
11.61			470								

6/11/10

CompuChem

Lab Smp Id : 0052601-BS1 Client Smp Id : PCTLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 11-JUN-2010 01:20 Inst ID :
Operator : AHW Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528zm.b/8081A_clpestv6.m
Misc. Info : PCTLCS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.78		250								
12.05	12.01 12.15	16237	636570	Aldrin	0.025507	4.251169	1.700000	85.0	45 - 140	
12.49		512								
12.82		16753								
13.02		140								
13.17		332								
13.32		178								
13.46	13.42 13.56	18522	593700	Heptachlor Epoxide	0.031198	5.199596	1.700000	104.0	65 - 130	
13.64		277								
13.74	13.70 13.84	17110	594875	gamma-Chlordane	0.028762	4.793724	1.700000	95.9	65 - 125	
13.91		806								
14.04	14.00 14.14	18277	516712	alpha-Chlordane	0.035370	5.894961	1.700000	117.9	65 - 120	
14.23	14.19 14.33	37892	523741	4,4'-DDE	0.072349	12.05812	3.300000	96.5	70 - 125	
14.33	14.29 14.43	15484	548162	Endosulfan I	0.028247	4.707850	1.700000	94.2	15 - 135	
14.61		238								
14.86	14.82 14.96	39543	515556	Dieldrin	0.076700	12.78328	3.300000	102.3	65 - 125	
15.37	15.33 15.47	34375	463071	Endrin	0.074230	12.37175	3.300000	99.0	60 - 135	
15.52	15.48 15.62	29470	393458	4,4'-DDD	0.074898	12.48292	3.300000	99.9	30 - 135	
15.85	15.81 15.95	32833	450326	Endosulfan II	0.072907	12.15119	3.300000	97.2	35 - 140	
16.01		1076								
16.12	16.08 16.22	30285	454781	4,4'-DDT	0.066590	11.09838	3.300000	88.8	45 - 140	
16.65		262								
16.75	16.71 16.85	11016	348470	Endrin Aldehyde	0.031612	5.268746	3.300000	42.1	35 - 145	
16.84		1480								
17.15	17.11 17.25	15803	194359	Methoxychlor	0.081303	13.55053	17.00000	108.4	55 - 145	J
17.36		179								
17.68	17.65 17.79	27154	392055	Endosulfan sulfate	0.069261	11.54345	3.300000	92.3	60 - 135	
17.96		195								
18.28	18.24 18.38	34997	457258	Endrin Ketone	0.076537	12.75612	3.300000	102.0	65 - 135	
18.65		160								
18.82		266								
19.99		233								
20.39	20.33 20.47	41124	408350	Decachlorobiphenyl	0.100705	16.78421		83.9	55 - 130	
20.77		239								
20.87		409								
21.00		422								
21.77		124								

CompuChem

Lab Smp Id : 0052601-BS1 Client Smp Id : PCTLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 11-JUN-2010 01:20 Inst ID :
Operator : AHW Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528zm.b/8081A_clpestv6.m
Misc. Info : PCTLCS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
21.99		229								

Data File: /chem/tracegc84.i/j100528zm_2C.b/409j0052601-BS1.d

Date : 11-JUN-2010 01:20

Client ID: PCTLCS

Sample Info: 0052601-BS1

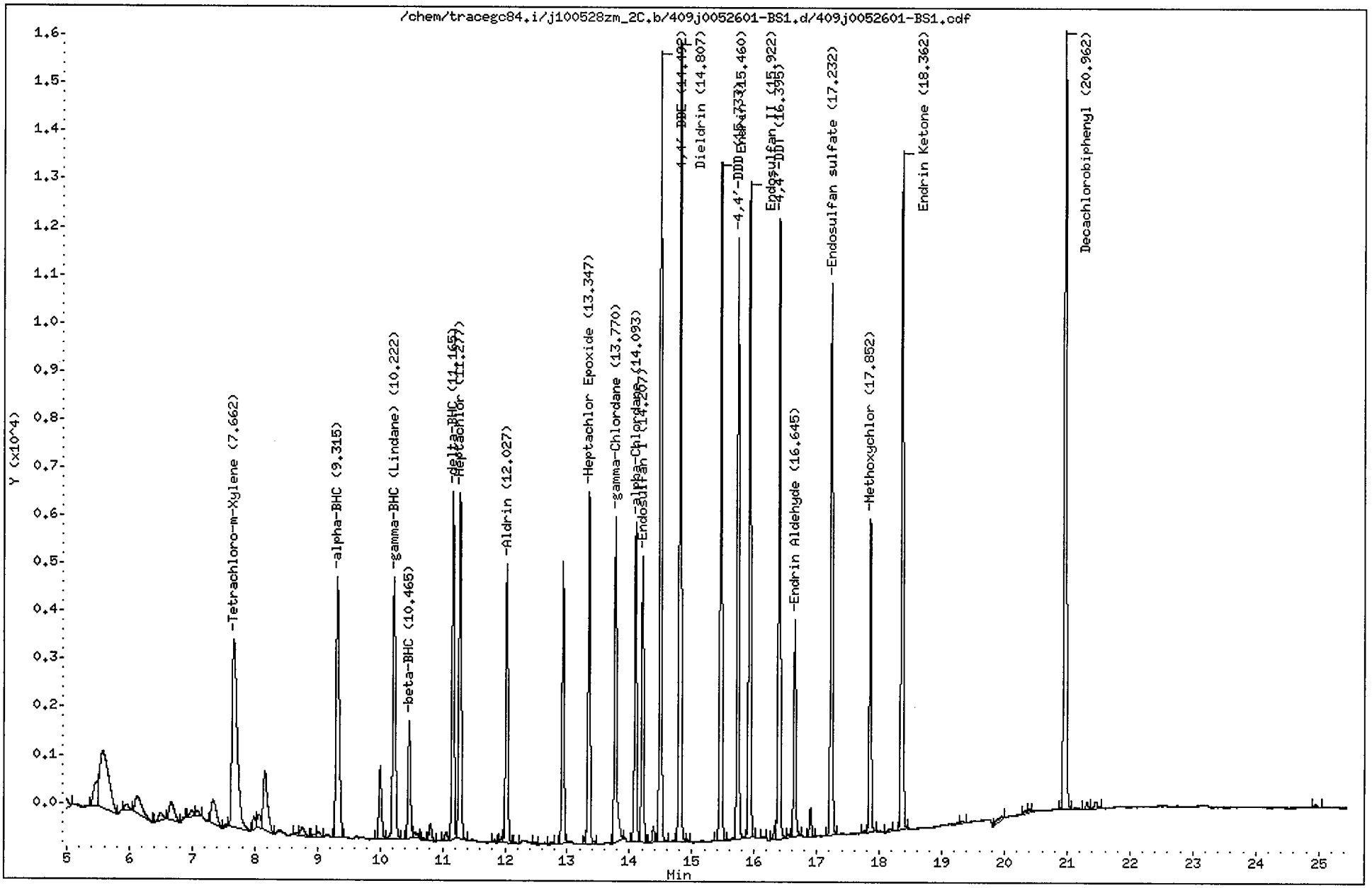
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0052601-BS1 Client Smp Id : PCTLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 11-JUN-2010 01:20 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528zm_2C.b/8081A_clpest2v6.m
Misc. Info : PCTLCS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.90			906544								
3.01			81472								
3.28			22727								
3.38			78313								
4.02			39066								
4.67			3667								
4.79			10055								
5.48			2342								
5.57			11987								
5.95			525								
6.13			2722								
6.50			738								
6.67			2277								
6.88			143								
7.00			461								
7.08			452								
7.33			2890								
7.52			164								
7.66	7.61	7.75	22381	416798	Tetrachloro-m-Xylene	0.053695	8.949190		89.5	70 - 125	
7.99			817								
8.07			1065								
8.16			5782								
8.66			190								
8.76			904								
8.95			181								
9.01			429								
9.32	9.26	9.40	18847	607758	alpha-BHC	0.031011	5.168454	1.700000	103.4	60 - 125	
10.00			4488								
10.22	10.17	10.31	16302	585542	gamma-BHC (Lindane)	0.027841	4.640141	1.700000	92.8	60 - 125	
10.46	10.41	10.55	6939	248610	beta-BHC	0.027907	4.651194	1.700000	93.0	60 - 125	
10.56			454								
10.69			139								
10.81			1041								
11.06			560								
11.16	11.11	11.25	17724	551235	delta-BHC	0.032153	5.358876	1.700000	107.2	55 - 130	
11.28	11.22	11.36	18860	579497	Heptachlor	0.032545	5.424242	1.700000	108.5	50 - 140	
11.83			154								

6/11/10

CompuChem

Lab Smp Id : 0052601-BS1 Client Smp Id : PCTLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 11-JUN-2010 01:20 Inst ID :
Operator : AHW Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528zm_2C.b/8081A_clpest2v6.m
Misc. Info : PCTLCS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.96		304								
12.03	11.97 12.11	14260	542192	Aldrin	0.026299	4.383130	1.700000	87.7	45 - 140	
12.16		92								
12.48		113								
12.75		176								
12.93		13729								
13.29		250								
13.35	13.29 13.43	16666	511912	Heptachlor Epoxide	0.032554	5.425732	1.700000	108.5	65 - 130	
13.77	13.71 13.85	16686	513150	gamma-Chlordane	0.032515	5.419143	1.700000	108.4	65 - 125	
14.09	14.04 14.18	15015	446248	alpha-Chlordane	0.033647	5.607875	1.700000	112.2	65 - 120	
14.21	14.15 14.29	13281	477982	Endosulfan I	0.027786	4.630923	1.700000	92.6	15 - 135	
14.38		713								
14.49	14.43 14.57	35229	468602	4,4'-DDE	0.075179	12.52981	3.300000	100.2	70 - 125	
14.81	14.75 14.89	37284	461929	Dieldrin	0.080714	13.45229	3.300000	107.6	65 - 125	
14.92		102								
15.46	15.40 15.54	31611	408649	Endrin	0.077355	12.89249	3.300000	103.1	60 - 135	
15.73	15.67 15.81	26804	340626	4,4'-DDD	0.078690	13.11506	3.300000	104.9	30 - 135	
15.92	15.86 16.00	30550	404930	Endosulfan II	0.075445	12.57419	3.300000	100.6	35 - 140	
16.13		111								
16.33		583								
16.40	16.33 16.47	28046	405929	4,4'-DDT	0.069088	11.51475	3.300000	92.1	45 - 140	
16.55		214								
16.64	16.59 16.73	10477	316985	Endrin Aldehyde	0.033052	5.508673	3.300000	44.1	35 - 145	
16.90		1300								
17.23	17.17 17.31	26011	366674	Endosulfan sulfate	0.070938	11.82295	3.300000	94.6	60 - 135	
17.76		95								
17.85	17.79 17.93	14310	182916	Methoxychlor	0.078227	13.03788	17.00000	104.3	55 - 145	J
18.17		216								
18.36	18.30 18.44	32878	419519	Endrin Ketone	0.078371	13.06179	3.300000	104.5	65 - 135	
19.33		163								
19.96		583								
20.34		167								
20.40		193								
20.96	20.90 21.04	41637	406698	Decachlorobiphenyl	0.102376	17.06264		85.3	55 - 130	
21.31		357								
21.46		436								
24.95		222								

c. Matrix Spike Data

- Tabulated Results (Form I)

- Chromatograms and data system printout(s)

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB73-9-10MS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 0052601-MS1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 20 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	5.2	
319-85-7	beta-BHC	6.1	
319-84-6	alpha-BHC	6.3	B
319-86-8	delta-BHC	7.2	
58-89-9	gamma-BHC (Lindane)	5.7	
72-54-8	4,4'-DDD	17	
72-55-9	4,4'-DDE	16	
50-29-3	4,4'-DDT	15	
60-57-1	Dieldrin	17	
959-98-8	Endosulfan I	5.9	
33213-65-9	Endosulfan II	16	
1031-07-8	Endosulfan sulfate	16	
72-20-8	Endrin	16	
7421-93-4	Endrin Aldehyde	5.6	
76-44-8	Heptachlor	7.1	
1024-57-3	Heptachlor Epoxide	6.7	
72-43-5	Methoxychlor	17	J
8001-35-2	Toxaphene	100	U
53494-70-5	Endrin Ketone	18	
5103-74-2	gamma-Chlordane	6.1	
5103-71-9	alpha-Chlordane	7.3	

FORM I PEST

Data File: /chem/tracegc84.i/j100528zf.b/341j0052601-MS1.d

Date : 08-JUN-2010 16:00

Client ID: S873-9-10MS

Sample Info: 0052601-MS1

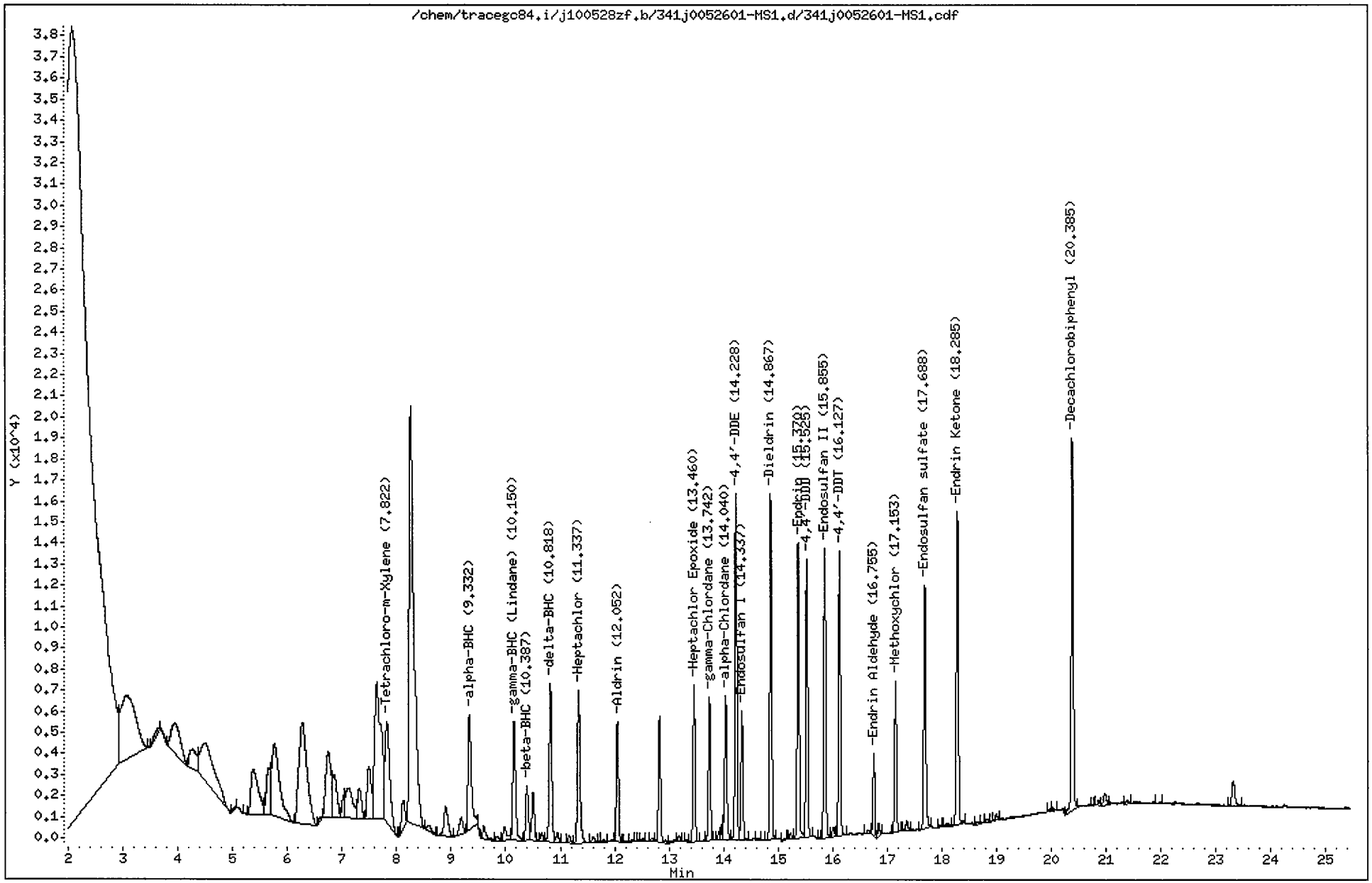
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

7/7/10

Lab Smp Id : 0052601-MS1 Client Smp Id : SS73-9-10MS
Sample Type : MS Sublist : DODPEST
Inj Date : 08-JUN-2010 16:00 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528zf.b/8081A_clpestv6.m
Misc. Info : SS73-9-10MS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 20(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.50			25571								
1.56			9591								
2.08			1374265								
3.06			58223								
3.64			1871								
3.95			17126								
4.26			8516								
4.49			34642								
5.04			316								
5.24			144								
5.38			20472								
5.67			11233								
5.76			35004								
6.28			50889								
6.62			485								
6.75			21044								
6.86			11171								
7.03			3711								
7.12			12766								
7.31			7028								
7.49			12563								
7.63			54778								
7.82	7.77	7.91	29624	522758	Tetrachloro-m-Xylene	0.056667	11.80559		94.4	70 - 125	
8.12			5637								
8.26			118719								
8.58			1458								
8.90			7576								
9.19			3578								
9.33	9.29	9.43	23397	775960	alpha-BHC	0.030152	6.281735	2.125000	100.5	60 - 125	
9.60			2333								
9.85			837								
9.97			3117								
10.15	10.11	10.25	20044	729192	gamma-BHC (Lindane)	0.027487	5.726369	2.125000	91.6	60 - 125	
10.39	10.34	10.48	8789	300532	beta-BHC	0.029245	6.092658	1.063750	97.5	60 - 125	
10.50			7297								
10.66			1111								
10.82	10.77	10.91	23833	689518	delta-BHC	0.034565	7.200990	2.125000	115.2	55 - 130	

6/10/10

CompuChem

B @R 7/7/10

Lab Smp Id : 0052601-MS1 Client Smp Id : SS73-9-10MS
Sample Type : MS Sublist : DODPEST
Inj Date : 08-JUN-2010 16:00 Inst ID :
Operator : AHW Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528zf.b/8081A_clpestv6.m
Misc. Info : SS73-9-10MS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 20(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
10.95		1419								
11.16		1094								
11.34	11.29 11.43	23608	695465	Heptachlor	0.033944	7.071707	2.125000	113.1	50 - 140	
11.61		885								
11.72		167								
11.81		246								
12.05	12.01 12.15	15861	636570	Aldrin	0.024916	5.190906	2.125000	83.1	45 - 140	
12.20		152								
12.33		278								
12.45		139								
12.52		329								
12.69		393								
12.83		16584								
13.09		623								
13.18		884								
13.32		142								
13.46	13.42 13.56	19138	593700	Heptachlor Epoxide	0.032233	6.715302	2.125000	107.4	65 - 130	
13.74	13.70 13.84	17317	594875	gamma-Chlordane	0.029109	6.064299	2.125000	97.0	65 - 125	
13.91		1009								
13.99		1805								
14.04	14.00 14.14	19315	516712	alpha-Chlordane	0.037381	7.787616	2.125000	124.6*	65 - 120	R
14.23	14.19 14.33	39760	523741	4,4'-DDE	0.075915	15.81570	4.125000	101.2	70 - 125	
14.34	14.29 14.43	15639	548162	Endosulfan I	0.028528	5.943341	2.125000	95.1	15 - 135	
14.61		217								
14.87	14.82 14.96	40975	515556	Dieldrin	0.079477	16.55776	4.125000	106.0	65 - 125	
15.13		124								
15.23		529								
15.37	15.33 15.47	35602	463071	Endrin	0.076880	16.01670	4.125000	102.5	60 - 135	
15.52	15.48 15.62	31401	393458	4,4'-DDD	0.079805	16.62611	4.125000	106.4	30 - 135	
15.75		121								
15.86	15.81 15.95	35230	450326	Endosulfan II	0.078232	16.29837	4.125000	104.3	35 - 140	
16.01		1456								
16.13	16.08 16.22	32136	454781	4,4'-DDT	0.070660	14.72091	4.125000	94.2	45 - 140	
16.65		591								
16.76	16.71 16.85	9287	348470	Endrin Aldehyde	0.026651	5.552247	4.125000	35.5	35 - 145	
16.85		1516								
17.15	17.11 17.25	17102	194359	Methoxychlor	0.087992	18.33163	21.25000	117.3	55 - 145	J

CompuChem

B 7/7/10

Lab Smp Id : 0052601-MS1 Client Smp Id : SS73-9-10MS
Sample Type : MS Sublist : DODPEST
Inj Date : 08-JUN-2010 16:00 Inst ID :
Operator : AHW Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528zf.b/8081A_clpestv6.m
Misc. Info : SS73-9-10MS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 20(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
17.36		1245								
17.69	17.65 17.79	29984	392055	Endosulfan sulfate	0.076477	15.93261	4.125000	102.0	60 - 135	
17.96		306								
18.08		536								
18.28	18.24 18.38	38627	457258	Endrin Ketone	0.084475	17.59904	4.125000	112.6	65 - 135	
18.65		340								
18.82		443								
19.00		653								
19.98		304								
20.03		430								
20.38	20.33 20.47	46379	408350	Decachlorobiphenyl	0.113574	23.66128		94.6	55 - 130	
20.76		146								
20.87		555								
20.97		2097								
21.39		508								
21.98		196								
23.32		4528								

Data File: /chem/tracegc84.i/j100528zf_2C.b/341j0052601-MS1.d

Date : 08-JUN-2010 16:00

Client ID: S873-9-10MS

Instrument: tracegc84.i

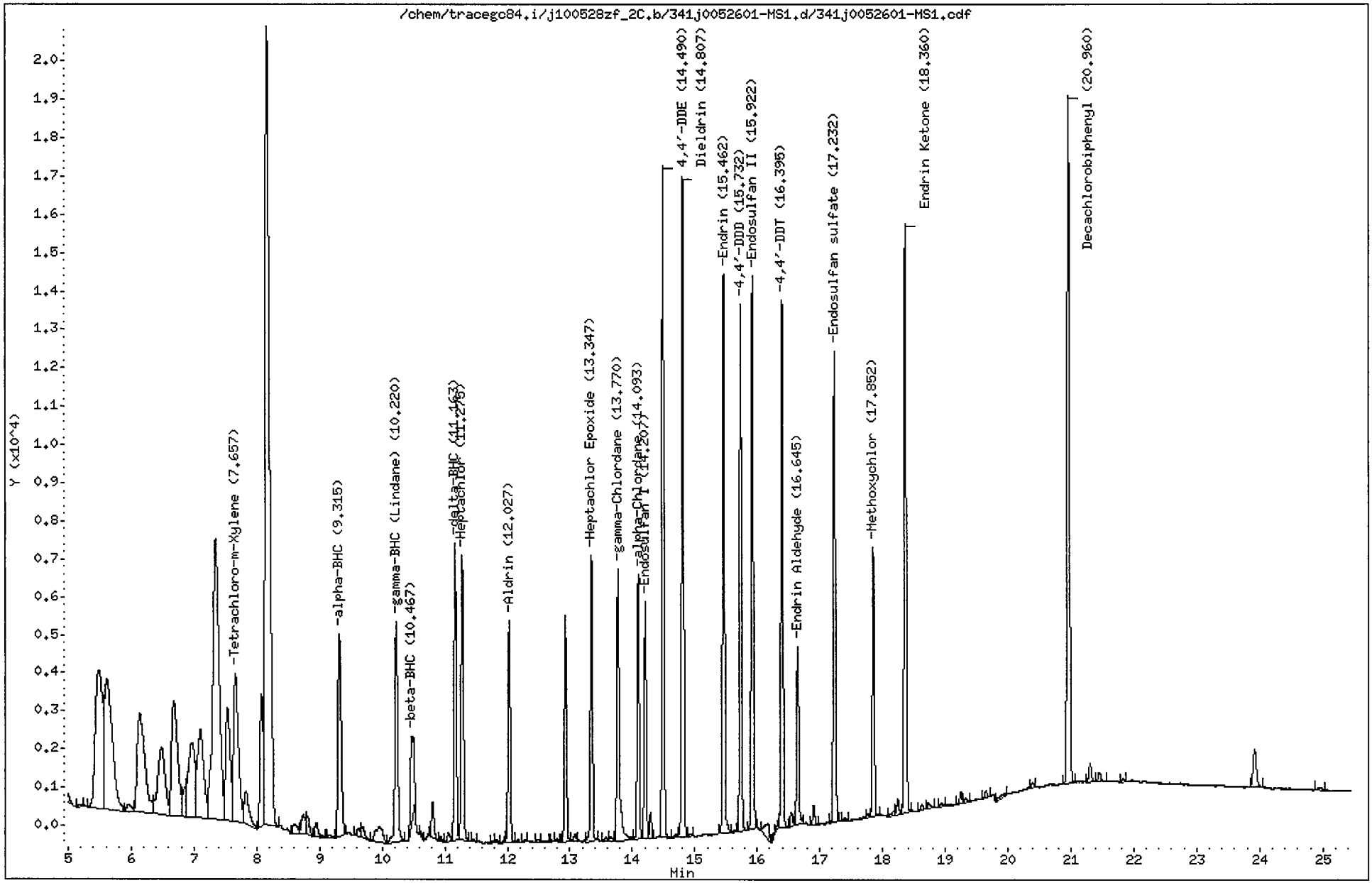
Sample Info: 0052601-MS1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

B 7/7/10

Lab Smp Id : 0052601-MS1 Client Smp Id : SS73-9-10MS
Sample Type : MS Sublist : DODPEST
Inj Date : 08-JUN-2010 16:00 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528zf_2C.b/8081A_clpest2v6.m
Misc. Info : SS73-9-10MS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 20(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.89			1017608								
2.69			967								
3.40			3398								
3.51			142								
3.59			755								
4.80			20563								
5.21			204								
5.50			28448								
5.62			30806								
5.95			976								
6.13			21735								
6.48			14372								
6.68			20269								
6.86			2353								
6.97			15132								
7.10			15952								
7.34			52576								
7.53			14830								
7.66	7.61	7.75	21394	416798	Tetrachloro-m-Xylene	0.051329	10.69364		85.5	70 - 125	
7.83			4746								
8.07			10601								
8.16			102456								
8.60			1353								
8.74			2085								
8.80			1791								
8.95			1525								
9.16			361								
9.32	9.26	9.40	18654	607758	alpha-BHC	0.030692	6.394066	2.125000	102.3	60 - 125	
9.62			647								
9.69			1003								
9.95			3212								
10.22	10.17	10.31	17539	585542	gamma-BHC (Lindane)	0.029953	6.240296	2.125000	99.8	60 - 125	
10.47	10.41	10.55	8816	248610	beta-BHC	0.035461	7.387743	2.125000	118.2	60 - 125	
10.62			325								
10.73			196								
10.80			2717								
10.93			319								

6/10/10

CompuChem

B 7/7/10

Lab Smp Id : 0052601-MS1 Client Smp Id : SS73-9-10MS
Sample Type : MS Sublist : DODPEST
Inj Date : 08-JUN-2010 16:00 Inst ID :
Operator : AHW Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528zf_2C.b/8081A_clpest2v6.m
Misc. Info : SS73-9-10MS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 20(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.06		616								
11.16	11.11 11.25	19013	551235	delta-BHC	0.034490	7.185381	2.125000	115.0	55 - 130	
11.28	11.22 11.36	19710	579497	Heptachlor	0.034012	7.085883	2.125000	113.4	50 - 140	
11.46		119								
11.77		120								
11.83		274								
11.96		321								
12.03	11.97 12.11	14138	542192	Aldrin	0.026074	5.432034	2.125000	86.9	45 - 140	
12.17		177								
12.29		176								
12.48		248								
12.57		294								
12.70		125								
12.79		192								
12.93		14141								
13.09		529								
13.35	13.29 13.43	17502	511912	Heptachlor Epoxide	0.034189	7.122799	2.125000	114.0	65 - 130	
13.58		321								
13.65		394								
13.77	13.71 13.85	19166	513150	gamma-Chlordane	0.037350	7.781188	2.125000	124.5	65 - 125	
14.09	14.04 14.18	15612	446248	alpha-Chlordane	0.034985	7.288556	2.125000	116.6	65 - 120	
14.21	14.15 14.29	13860	477982	Endosulfan I	0.028997	6.041016	2.125000	96.7	15 - 135	
14.29		1532								
14.49	14.43 14.57	37250	468602	4,4'-DDE	0.079492	16.56077	4.125000	106.0	70 - 125	
14.70		182								
14.81	14.75 14.89	39020	461929	Dieldrin	0.084470	17.59786	4.125000	112.6	65 - 125	
14.92		129								
15.46	15.40 15.54	33237	408649	Endrin	0.081331	16.94405	4.125000	108.4	60 - 135	
15.64		151								
15.73	15.67 15.81	29223	340626	4,4'-DDD	0.085792	17.87333	4.125000	114.4	30 - 135	
15.92	15.86 16.00	32834	404930	Endosulfan II	0.081086	16.89284	4.125000	108.1	35 - 140	
16.17		2094								
16.27		147								
16.33		417								
16.40	16.33 16.47	30038	405929	4,4'-DDT	0.073998	15.41629	4.125000	98.7	45 - 140	
16.54		883								
16.64	16.59 16.73	10766	316985	Endrin Aldehyde	0.033961	7.075124	4.125000	45.3	35 - 145	

CompuChem

B @ 7/7/10

Lab Smp Id : 0052601-MS1 Client Smp Id : SS73-9-10MS
Sample Type : MS Sublist : DODPEST
Inj Date : 08-JUN-2010 16:00 Inst ID :
Operator : AHW Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528zf_2C.b/8081A_clpest2v6.m
Misc. Info : SS73-9-10MS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 20(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
16.90		1164								
17.23	17.17 17.31	28064	366674	Endosulfan sulfate	0.076534	15.94458	4.125000	102.0	60 - 135	
17.39		189								
17.77		148								
17.85	17.79 17.93	15328	182916	Methoxychlor	0.083798	17.45795	21.25000	111.7	55 - 145	J
18.17		471								
18.24		954								
18.36	18.30 18.44	36095	419519	Endrin Ketone	0.086037	17.92431	4.125000	114.7	65 - 135	
18.63		388								
18.73		512								
18.94		223								
19.25		694								
19.33		296								
19.65		454								
19.95		508								
20.39		272								
20.96	20.90 21.04	46463	406698	Decachlorobiphenyl	0.114245	23.80096		95.2	55 - 130	
21.30		1347								
21.45		736								
21.83		227								
23.92		3612								
24.95		230								

d. Matrix Spike Duplicate Data

- Tabulated Results (Form I)

- Chromatograms and data system printout(s)

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB73-9-10MSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix: (soil/water) SOIL Lab Sample ID: 0052601-MSD1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 20 decanted: (Y/N) N Date Received: 05/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/26/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	3.9	
319-85-7	beta-BHC	4.7	
319-84-6	alpha-BHC	4.5	B
319-86-8	delta-BHC	5.2	
58-89-9	gamma-BHC (Lindane)	4.2	
72-54-8	4,4'-DDD	12	
72-55-9	4,4'-DDE	11	
50-29-3	4,4'-DDT	11	
60-57-1	Dieldrin	11	
959-98-8	Endosulfan I	4.2	
33213-65-9	Endosulfan II	12	
1031-07-8	Endosulfan sulfate	11	
72-20-8	Endrin	11	
7421-93-4	Endrin Aldehyde	4.2	
76-44-8	Heptachlor	5.2	
1024-57-3	Heptachlor Epoxide	5.0	
72-43-5	Methoxychlor	11	J
8001-35-2	Toxaphene	100	U
53494-70-5	Endrin Ketone	13	
5103-74-2	gamma-Chlordane	4.3	
5103-71-9	alpha-Chlordane	5.2	

Data File: /chem/tracegc84.i/j100528zf.b/342j0052601-MSD1.d

Date : 08-JUN-2010 16:28

Client ID: S873-9-10MSD

Instrument: tracegc84.i

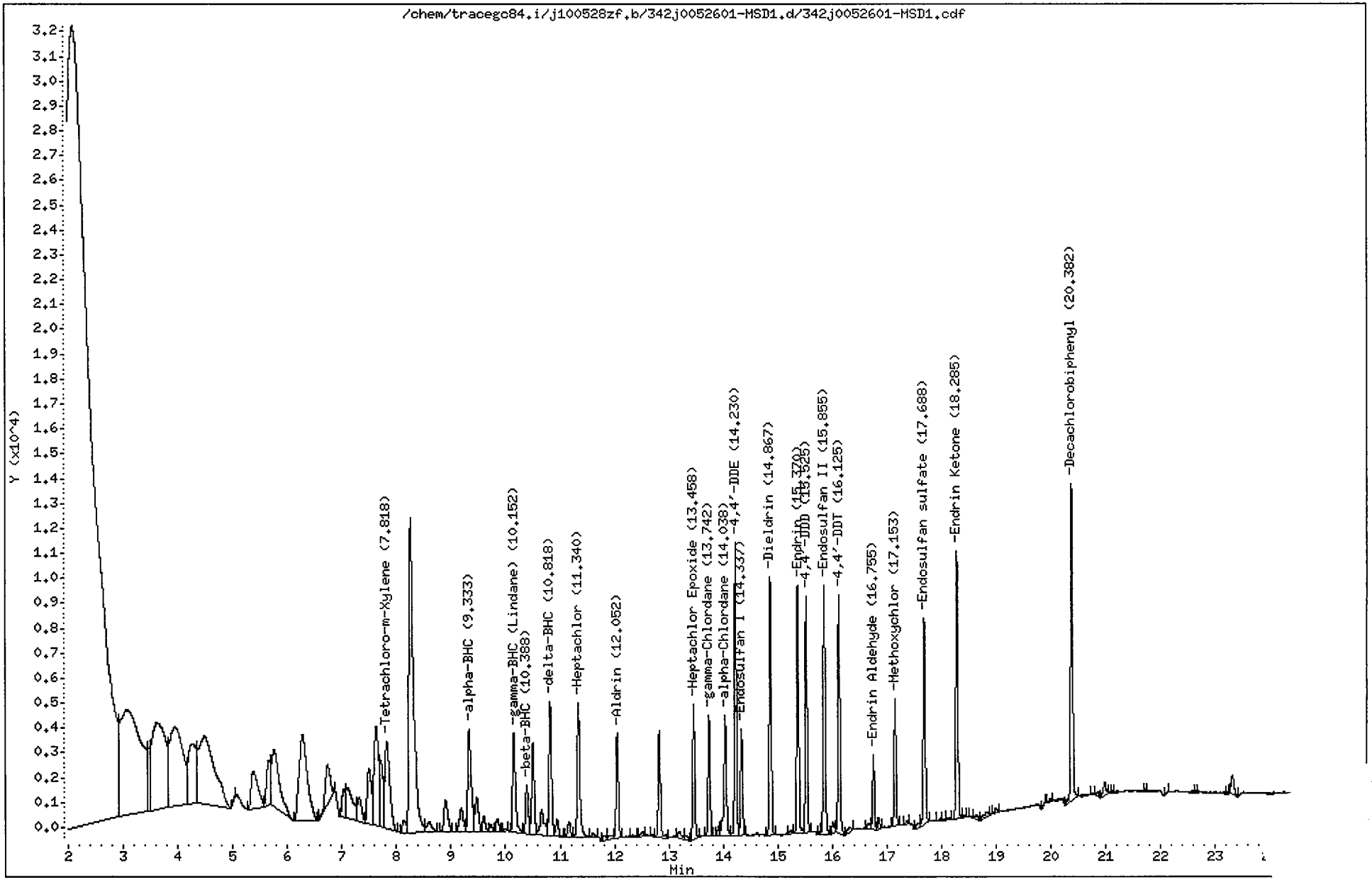
Sample Info: 0052601-MSD1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

@ 7/7/10

Lab Smp Id : 0052601-MSD1 Client Smp Id : SS73-9-10MSD
Sample Type : MSD Sublist : DODPEST
Inj Date : 08-JUN-2010 16:28 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528zf.b/8081A_clpestv6.m
Misc. Info : SS73-9-10MSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 20(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.48			39139								
2.09			1205589								
3.07			107359								
3.49			7531								
3.61			59482								
3.94			56296								
4.26			24611								
4.48			54497								
5.04			358								
5.37			13421								
5.67			9760								
5.76			22545								
6.27			36288								
6.74			10063								
7.03			4174								
7.09			11654								
7.32			5390								
7.50			11677								
7.63			23377								
7.71			11669								
7.82	7.77	7.91	22128	522758	Tetrachloro-m-Xylene	0.042327	8.818222		70.5	70 - 125	
8.13			2290								
8.26			74391								
8.59			2422								
8.90			6272								
9.19			4587								
9.33	9.29	9.43	18424	775960	alpha-BHC	0.023742	4.946292	2.125000	79.1	60 - 125	
9.47			5786								
9.60			2004								
9.72			870								
9.85			1991								
9.97			357								
10.15	10.11	10.25	14788	729192	gamma-BHC (Lindane)	0.020279	4.224707	2.125000	67.6	60 - 125	
10.39	10.34	10.48	6780	300532	beta-BHC	0.022560	4.699991	1.063750	75.2	60 - 125	
10.50			11834								
10.66			5380								
10.82	10.77	10.91	17438	689518	delta-BHC	0.025289	5.268479	2.125000	84.3	55 - 130	

6/10/10

CompuChem

B @ 7/7/10

Lab Smp Id : 0052601-MSD1 Client Smp Id : SS73-9-10MSD
Sample Type : MSD Sublist : DODPEST
Inj Date : 08-JUN-2010 16:28 Inst ID :
Operator : AHW Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528zf.b/8081A_clpestv6.m
Misc. Info : SS73-9-10MSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 20(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
10.95		2245								
11.16		2060								
11.34	11.29 11.43	18237	695465	Heptachlor	0.026221	5.462772	2.125000	87.4	50 - 140	
11.61		556								
11.81		696								
11.91		1063								
12.05	12.01 12.15	12044	636570	Aldrin	0.018919	3.941371	2.125000	63.1	45 - 140	
12.33		261								
12.53		783								
12.69		183								
12.83		12163								
13.19		1206								
13.32		729								
13.46	13.42 13.56	14273	593700	Heptachlor Epoxide	0.024039	5.008141	2.125000	80.1	65 - 130	
13.74	13.70 13.84	12332	594875	gamma-Chlordane	0.020729	4.318484	2.125000	69.1	65 - 125	
13.91		963								
14.04	14.00 14.14	15489	516712	alpha-Chlordane	0.029976	6.245011	2.125000	99.9	65 - 120	
14.23	14.19 14.33	28320	523741	4,4'-DDE	0.054073	11.26510	4.125000	72.1	70 - 125	
14.34	14.29 14.43	11031	548162	Endosulfan I	0.020124	4.192416	2.125000	67.1	15 - 135	
14.87	14.82 14.96	26439	515556	Dieldrin	0.051282	10.68385	4.125000	68.4	65 - 125	
15.23		396								
15.37	15.33 15.47	25272	463071	Endrin	0.054575	11.36974	4.125000	72.8	60 - 135	
15.52	15.48 15.62	22408	393458	4,4'-DDD	0.056949	11.86437	4.125000	75.9	30 - 135	
15.76		202								
15.86	15.81 15.95	26087	450326	Endosulfan II	0.057927	12.06810	4.125000	77.2	35 - 140	
16.01		1435								
16.12	16.08 16.22	23736	454781	4,4'-DDT	0.052192	10.87336	4.125000	69.6	45 - 140	
16.32		911								
16.68		707								
16.76	16.71 16.85	7035	348470	Endrin Aldehyde	0.020188	4.205886	4.125000	26.9*	35 - 145	R
16.85		1157								
17.15	17.11 17.25	12275	194359	Methoxychlor	0.063151	13.15650	21.25000	84.2	55 - 145	J
17.36		379								
17.59		612								
17.69	17.65 17.79	21744	392055	Endosulfan sulfate	0.055462	11.55450	4.125000	73.9	60 - 135	
17.96		217								
18.13		227								

CompuChem

B @ 7/7/10

Lab Smp Id : 0052601-MSD1 Client Smp Id : SS73-9-10MSD
Sample Type : MSD Sublist : DODPEST
Inj Date : 08-JUN-2010 16:28 Inst ID :
Operator : AHW Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528zf.b/8081A_clpestv6.m
Misc. Info : SS73-9-10MSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 20(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
18.28	18.24 18.38	27595	457258	Endrin Ketone	0.060347	12.57224	4.125000	80.5	65 - 135	
18.41		225								
18.55		147								
18.64		576								
18.82		1276								
19.00		476								
19.89		200								
19.98		266								
20.38	20.33 20.47	34068	408350	Decachlorobiphenyl	0.083426	17.38041		69.5	55 - 130	
20.76		130								
20.85		521								
20.99		1780								
21.12		197								
21.70		222								
22.14		124								
22.64		174								
23.23		127								
23.32		2990								
25.10		273								

Data File: /chem/tracegc84.i/j100528zf_2C.b/342j0052601-MSD1.d

Date : 08-JUN-2010 16:28

Client ID: S873-9-10MSD

Instrument: tracegc84.i

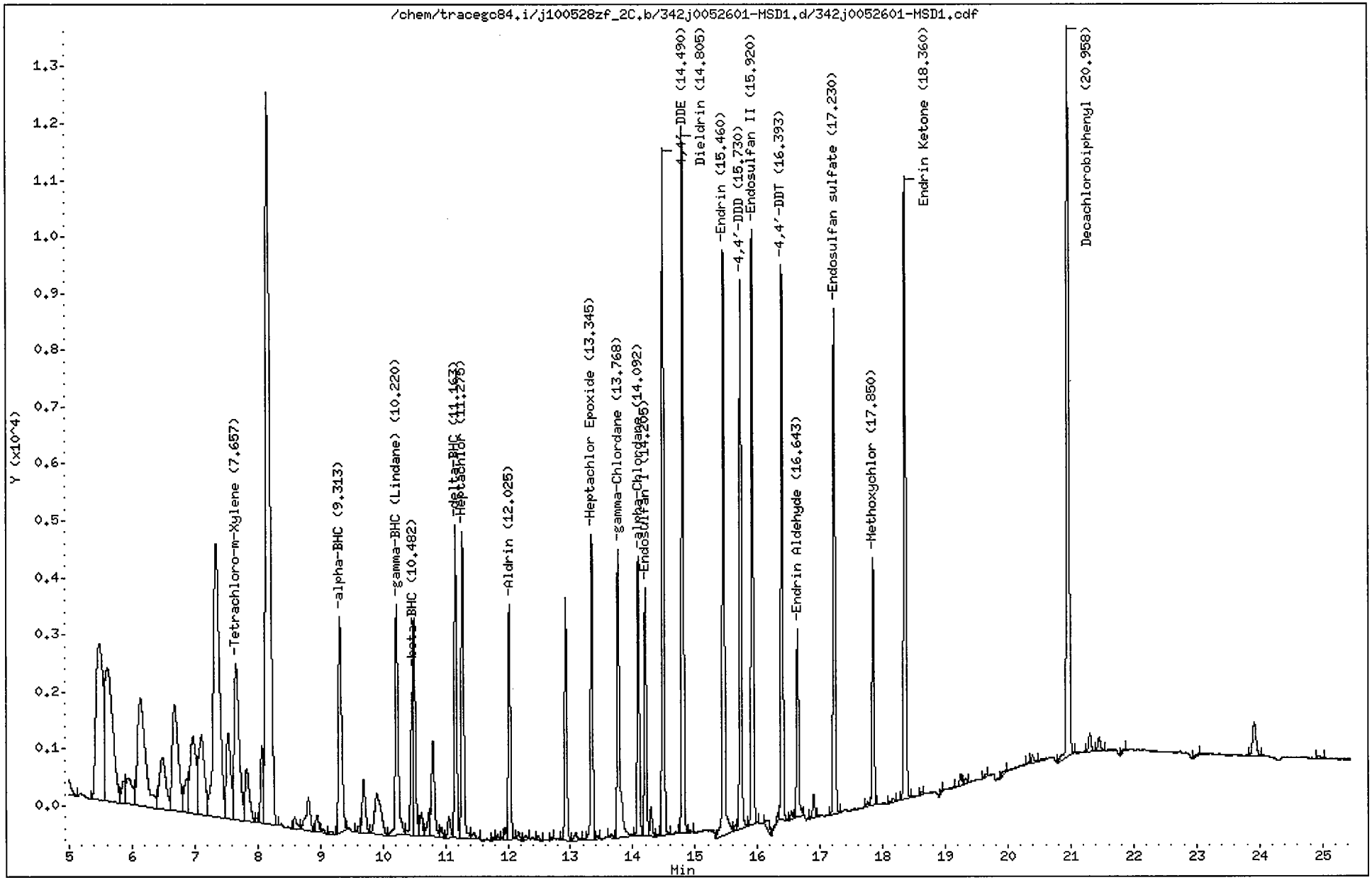
Sample Info: 0052601-MSD1

Volume Injected (uL): 1.0

Operator: System

Column phase: clpest2

Column diameter: 0.32



CompuChem

B 7/7/10

Lab Smp Id : 0052601-MSD1 Client Smp Id : SS73-9-10MSD
Sample Type : MSD Sublist : DODPEST
Inj Date : 08-JUN-2010 16:28 Inst ID : TRACEGC84
Operator : System Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528zf_2C.b/8081A_clpest2v6.m
Misc. Info : SS73-9-10MSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 20(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.90			991435								
3.29			544								
3.38			221								
3.61			472								
3.84			256								
4.81			18037								
5.49			21374								
5.61			20712								
5.87			1501								
5.95			3375								
6.13			16692								
6.49			6661								
6.68			12364								
6.88			2732								
6.97			8753								
7.11			9484								
7.34			32580								
7.53			7355								
7.66	7.61	7.75	15235	416798	Tetrachloro-m-Xylene	0.036551	7.614884		60.9*	70 - 125	R
7.83			4601								
7.98			189								
8.08			4253								
8.16			61052								
8.59			823								
8.81			2886								
8.95			942								
9.04			195								
9.16			265								
9.31	9.26	9.40	13272	607758	alpha-BHC	0.021838	4.549495	2.125000	72.8	60 - 125	
9.62			345								
9.69			3323								
9.90			5057								
10.22	10.17	10.31	12922	585542	gamma-BHC (Lindane)	0.022069	4.597677	2.125000	73.6	60 - 125	
10.48	10.41	10.55	6271	248610	beta-BHC	0.025225	5.255177	2.125000	84.1	60 - 125	M
10.50			9852								
10.61			1378								
10.73			1282								

2nd 6/10/10

CompuChem

B @ 7/2/10

Lab Smp Id : 0052601-MSD1 Client Smp Id : SS73-9-10MSD
Sample Type : MSD Sublist : DODPEST
Inj Date : 08-JUN-2010 16:28 Inst ID :
Operator : System Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528zf_2C.b/8081A_clpest2v6.m
Misc. Info : SS73-9-10MSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 20(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
10.80		5974								
10.93		489								
11.05		1174								
11.16	11.11 11.25	13718	551235	delta-BHC	0.024886	5.184552	2.125000	83.0	55 - 130	
11.28	11.22 11.36	14393	579497	Heptachlor	0.024837	5.174474	2.125000	82.8	50 - 140	
11.46		377								
11.77		133								
11.83		259								
11.96		448								
12.02	11.97 12.11	10139	542192	Aldrin	0.018699	3.895680	2.125000	62.3	45 - 140	
12.17		335								
12.29		179								
12.48		204								
12.71		100								
12.93		10166								
13.09		452								
13.34	13.29 13.43	12262	511912	Heptachlor Epoxide	0.023953	4.990253	2.125000	79.8	65 - 130	
13.43		144								
13.65		144								
13.77	13.71 13.85	13971	513150	gamma-Chlordane	0.027225	5.671932	2.125000	90.8	65 - 125	
14.09	14.04 14.18	11047	446248	alpha-Chlordane	0.024754	5.157125	2.125000	82.5	65 - 120	
14.20	14.15 14.29	9850	477982	Endosulfan I	0.020608	4.293349	2.125000	68.7	15 - 135	
14.29		1215								
14.39		119								
14.49	14.43 14.57	26061	468602	4,4'-DDE	0.055614	11.58618	4.125000	74.2	70 - 125	
14.80	14.75 14.89	27212	461929	Dieldrin	0.058909	12.27270	4.125000	78.5	65 - 125	
14.93		106								
15.46	15.40 15.54	24957	408649	Endrin	0.061072	12.72326	4.125000	81.4	60 - 135	
15.65		327								
15.73	15.67 15.81	20821	340626	4,4'-DDD	0.061126	12.73457	4.125000	81.5	30 - 135	
15.92	15.86 16.00	23171	404930	Endosulfan II	0.057222	11.92135	4.125000	76.3	35 - 140	
16.13		824								
16.33		661								
16.39	16.33 16.47	20776	405929	4,4'-DDT	0.051181	10.66261	4.125000	68.2	45 - 140	
16.54		296								
16.64	16.59 16.73	7653	316985	Endrin Aldehyde	0.024142	5.029681	4.125000	32.2*	35 - 145	R
16.90		995								

CompuChem

B @ 7/7/10

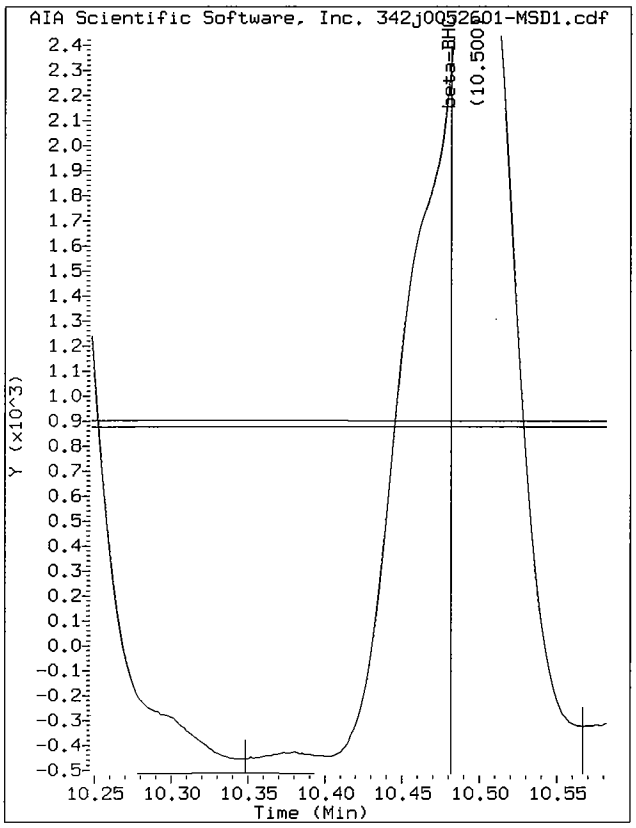
Lab Smp Id : 0052601-MSD1 Client Smp Id : SS73-9-10MSD
Sample Type : MSD Sublist : DODPEST
Inj Date : 08-JUN-2010 16:28 Inst ID :
Operator : System Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528zf_2C.b/8081A_clpest2v6.m
Misc. Info : SS73-9-10MSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 20(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
17.23	17.17 17.31	19886	366674	Endosulfan sulfate	0.054233	11.29859	4.125000	72.3	60 - 135	
17.76		175								
17.85	17.79 17.93	9473	182916	Methoxychlor	0.051790	10.78963	21.25000	69.1	55 - 145	J
18.17		267								
18.36	18.30 18.44	25623	419519	Endrin Ketone	0.061077	12.72433	4.125000	81.4	65 - 135	
18.63		143								
18.96		103								
19.25		542								
19.33		241								
19.65		157								
19.95		247								
20.32		94								
20.39		373								
20.96	20.90 21.04	34304	406698	Decachlorobiphenyl	0.084348	17.57254		70.3	55 - 130	
21.30		927								
21.45		736								
21.83		153								
23.02		133								
23.92		2246								
24.94		145								

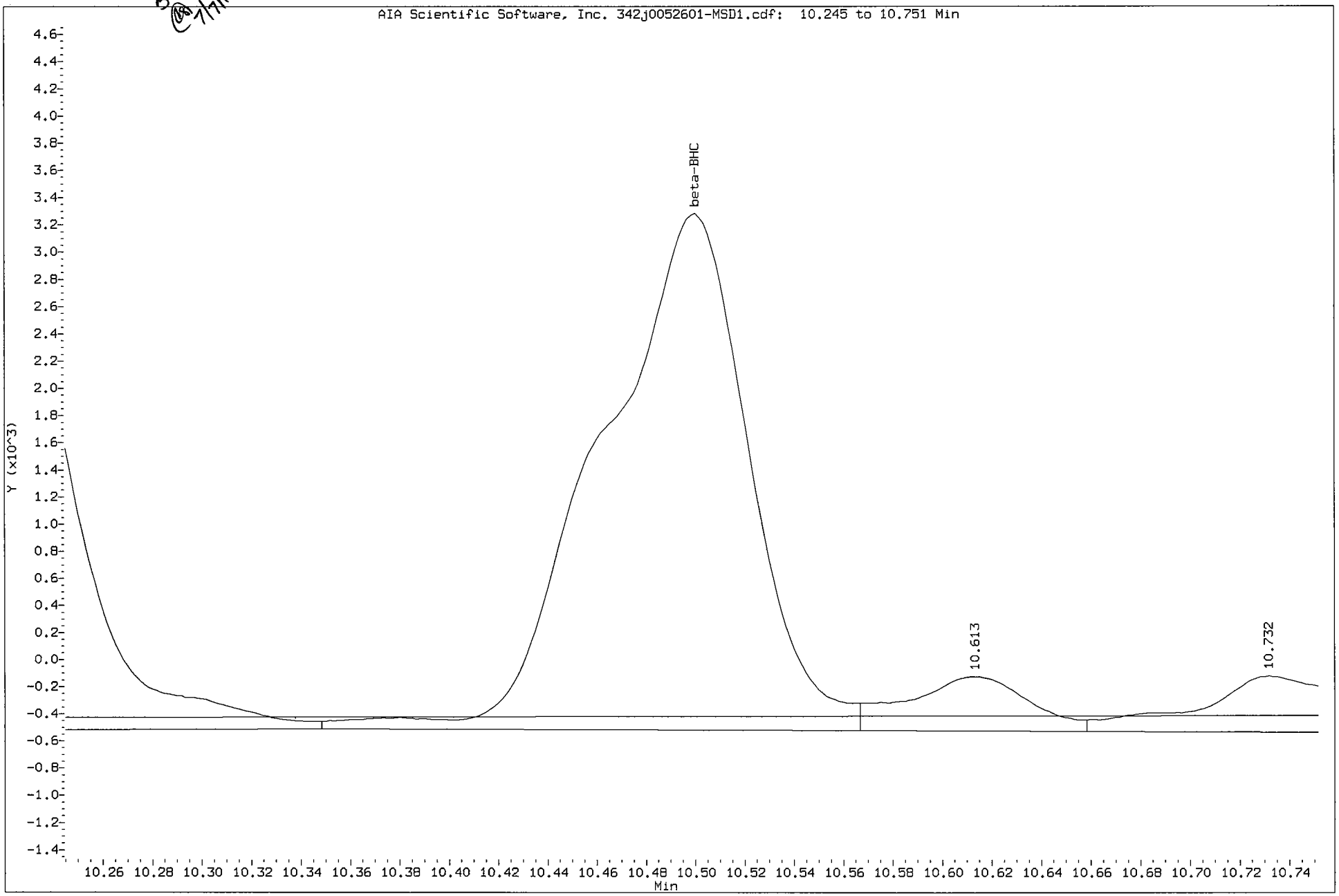
Manually Integrated Peaks



Start: 10.35 Stop: 10.48

Data File: /chem/tracegc84.i/j100528zf_2C.b/342j0052601-MSD1.d/342j0052601-MSD1.cdf
Injection Date: 08-JUN-2010 16:28
Instrument: tracegc84.i
Client Sample ID: S873-9-10MSD

B @ 7/7/10



CompuChem

A Division Of

Liberty Analytical Corp.

7/7/2010

REBEKHA SHAW

CH2M HILL, INC.

5700 CLEVELAND STREET, SUITE 101

VIRGINIA BEACH, VA 23462

Subject:

Report of Data - Project: CTO-094 MCB CAMP LEJEUNE/395307.S, WorkOrder: 1005157

Attn.: REBEKHA SHAW

Enclosed are the results of analytical work performed in accordance with the referenced account number. This report covers sample(s) appearing on the listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097

Sincerely,

Compuchem

a division of Liberty Analytical Corporation

Attachment

TOTAL NUMBER

OF PAGES _____

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

CompuChem, a division of Liberty Analytical

Client: CH2M HILL, INC. **Work:** 1005157

Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM **Sdg:** 1005157

Lab ID	Client ID	Matrix	Date Sampled	Date Received
1005157-01	SB73-9-10	Soil	05/17/2010 15:00	05/19/2010 09:05
1005157-02	SS51-0-1	Soil	05/19/2010 16:30	05/21/2010 16:05
1005157-03	SS51D-0-1	Soil	05/19/2010 16:35	05/21/2010 16:05
1005157-04	SS90-0-1	Soil	05/19/2010 14:55	05/21/2010 16:05
1005157-05	SB90-2-3	Soil	05/19/2010 15:00	05/21/2010 16:05
1005157-06	SS70-0-1	Soil	05/20/2010 12:00	05/21/2010 16:05
1005157-07	SB70-1-2	Soil	05/20/2010 12:10	05/21/2010 16:05
1005157-08	SS69-0-1	Soil	05/20/2010 16:10	05/21/2010 16:05
1005157-09	SB69-2-3	Soil	05/20/2010 16:20	05/21/2010 16:05
1005157-10	SB64-1-2	Soil	05/20/2010 18:20	05/21/2010 16:05
1005157-11	SB65-1-2	Soil	05/20/2010 17:45	05/21/2010 16:05
1005157-12	SS64-0-1	Soil	05/20/2010 18:15	05/21/2010 16:05
1005157-13	SS66-0-1	Soil	05/20/2010 17:20	05/21/2010 16:05
1005157-14	SS65-0-1	Soil	05/20/2010 17:40	05/21/2010 16:05
1005157-15	SS82-0-1	Soil	05/21/2010 08:25	05/21/2010 16:05
1005157-16	SS82D-0-1	Soil	05/21/2010 08:30	05/21/2010 16:05
1005157-17	SB82-2-3	Soil	05/21/2010 08:40	05/21/2010 16:05
1005157-18	SB82D-2-3	Soil	05/21/2010 08:45	05/21/2010 16:05

CompuChem, a Division of Liberty Analytical Corporation

I. SAMPLE DATA SUMMARY PACKAGE

GC/MS by SW-846

Modified For Selected Ion Monitoring (SIM)

The sample data summary package shall contain data for all samples in one Sample Delivery Group (SDG) of the Case, as follows:

A. SDG Narrative

B. Tabulated target compound results (Form I)

C. Surrogate spike analysis results (Form II)
By matrix (Water or Soil), and
by concentration (Low or Medium)

D. Spike results MS / MSD / LCS (Form III)

E. Blank data (Form IV)
Tabulated blank results (Form I)

F. Internal standard area response and retention time data (Form VIII)

LAB CODE: LIBRTY METHOD: 8270C

SDG # : 1005157

A. SDG Narrative

CompuChem
a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG # 1005157
PROTOCOL: SW-846
Date: July 07, 2010

SAMPLE IDENTIFICATIONS:

SB64-1-2, SB65-1-2, SB69-2-3, SB70-1-2, SB73-9-10, SB73-9-10MS, SB73-9-10MSD, SB82-2-3, SB82D-2-3, SB90-2-3, SS51-0-1, SS51D-0-1, SS64-0-1, SS65-0-1, SS66-0-1, SS69-0-1, SS70-0-1, SS82-0-1, SS82D-0-1, and SS90-0-1

The twenty (20) soil samples listed above were received intact, in sealed shipping containers, on May 19 and 21, 2010. The cooler temperatures associated with these samples were 4.3, 3.9, 3.1, 0.3, and 1.3 °C.

The client identifications for samples SB73-9-10, SB73-9-10MS, and SB73-9-10MSD did not match between the COC and the sample labels. Samples SB73-9-10, SB73-9-10MS, and SB73-9-10MSD were listed as SS73-9-10, SS73-9-10MS, and SS73-9-10MSD, respectively, on the chain-of-custody (COC) document and were labeled as SB73-9-10, SB73-9-10MS, and SB73-9-10MSD on the sample labels. Our policy is to use the identification found on the sample labels in these circumstances. The Client was contacted and the analysis was preceded as requested.

The samples listed above were scheduled for the requested analysis of the semivolatile Selected Ion Monitoring (SIM) fraction.

SW-846, 3rd Edition, Update 3, Sonication extraction (Method 3550B), and Method 8270C Selected Ion Monitoring (SIM) were used to prepare and analyze these samples, with the exceptions and/or additions requested by the client. This portion of the narrative deals with the semivolatile Selected Ion Monitoring (SIM) fraction only.

The percent moisture value for these samples ranged from 2 to 50.

Semivolatile SIM

Extraction and analysis holding time requirements were met for these samples.

The semivolatile SIM target compound list (TCL) analytes Fluoranthene and Pyrene were identified above the Contract Required Quantitation Limits (CRQLs) in samples SS51-0-1 and SS51D-0-1.

In the continuing calibration standards associated with these samples for the SIM analysis, Benzo(b)fluoranthene and Benzo(k)fluoranthene were chromatographically resolved and were identified as separate peaks with different retention times. However, in sample SS64-0-1, these isomers could not be chromatographically resolved. This is indicated with an "X" flag on the Form I.

Manual integrations were performed on one or more of the process files associated with this SDG. Please see the detailed Manual Integration Summary report that is located behind this SDG narrative. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

Mass assignments were verified by the injections of Perfluorotributylamine for the SIM analysis.

Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All of the surrogates met recovery criteria in the analyses of these samples, with the exception of SCULCS. In the analysis of the LCS sample SCULCS, the recovery of the surrogate, 2-Fluorobiphenyl, was bias low and failed quality control criteria. Since the recovery of this surrogate met our in-house quality control criteria, the results are being reported without any corrective action.

All of the internal standards met response and retention time criteria in the analyses of these samples.

The associated method blank met all quality control criteria.

Sample SB73-9-10 was used as the original to prepare the duplicate matrix spikes as requested. The associated duplicate matrix spikes met all accuracy and precision criteria.

The associated Laboratory Control Sample, prepared and analyzed along with these samples, met overall accuracy criteria. The recoveries of the spike compounds Naphthalene, 2-Methylnaphthalene, Acenaphthylene, Acenaphthene, and Fluorene in the laboratory control sample SCULCS were bias low and failed the quality control criteria. These compounds were flagged as outliers in the SCULCS laboratory control sample. None of these compounds were detected above the CRQLs in the associated samples.

An uncertainty of these test results may be estimated from the recovery of the surrogates added to the sample prior to sample preparation or from the recovery of spiked compound(s) in the associated laboratory control sample. Further information is available upon request.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Furthermore, I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice. Release of the data contained in this hardcopy data package and in the computer-readable data submitted electronically has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

S. A Parikh

Saroj A. Parikh
Data Reviewer
July 07, 2010

(SIM)

Manual Integrations											
SDG: 100157											
				Samples							
	0G01012-CC01	BLCCU	CULCS	#1	MS	MSD	2	3	4	5	6
Compound											
Naphthalene											
2-Methylnaphthalene											
1-Methylnaphthalene											
Acenaphthylene											
Acenaphthene											
Fluorene											
Phenanthrene											
Anthracene											
Fluoranthene											
Pyrene											
Benzo(a)anthracene											
Chrysene											
Benzo(b)fluoranthene							✓				
Benzo(k)fluoranthene			✓				✓				
Benzo(a)pyrene											
Indeno(1,2,3-cd)pyrene	✓		✓		✓	✓	RM 5/6/10				
Dibenzo(a,h)anthracene							✓	✓			
Benzo(g,h,i)perylene											
1,4-Dichlorobenzene-d4											
Naphthalene-d8											
Acenaphthene-d10											
Phenanthrene-d10											
Chrysene-d12											
Perylene-d12											
2-Fluorophenol											
Phenol-d5											
Nitrobenzene-d5											
2,4,6-Tribromophenol											
2-Fluorobiphenyl											
Terphenyl-d14											
"✓" Denotes a manual integration for the compound											

"✓" SRP 07/06/10

Manual Integrations											
SDG: 1005157											
				Samples							
	06/02/2006	#11	#12	#15							
Compound											
Naphthalene											
2-Methylnaphthalene											
1-Methylnaphthalene											
Acenaphthylene											
Acenaphthene											
Fluorene											
Phenanthrene											
Anthracene											
Fluoranthene											
Pyrene											
Benzo(a)anthracene											
Chrysene											
Benzo(b)fluoranthene		✓		✓							
Benzo(k)fluoranthene		✓		✓							
Benzo(a)pyrene		✓									
Indeno(1,2,3-cd)pyrene	✓										
Dibenzo(a,h)anthracene											
Benzo(g,h,i)perylene											
1,4-Dichlorobenzene-d4											
Naphthalene-d8											
Acenaphthene-d10			✓								
Phenanthrene-d10											
Chrysene-d12											
Perylene-d12											
2-Fluorophenol											
Phenol-d5											
Nitrobenzene-d5											
2,4,6-Tribromophenol											
2-Fluorobiphenyl											
Terphenyl-d14											
"✓" Denotes a manual integration for the compound											

"✓" SAP 07/06/10

GC and GC/MS Column and Trap Specifications Table

SDG #:	1005157							
				COLUMNS				
Columns Utilized	Brand Name	Coating Material		ID (mm)	Film Thickness (um)			Length (m)
	GC Laboratory							
	Restek	RTX-5		0.53	1.0			30
	Restek	RTX-SMS		0.53	1.0			30
	Restek	clpest		0.32	0.5			30
	Restek	clpest2		0.32	0.42			30
	J&W	DB-210		0.53	1.0			30
	J&W	GS-GASPRO		0.32	N/A			30
	GC Volatiles Laboratory							
	Restek	RTX-Volatiles		0.53	2.0			30
	GC/MS Volatiles Laboratory							
	Restek	RTX-VMS		0.18	1.0			20
	Supelco	SPB-624		0.32	1.8			60
	Supelco	SPB-624		0.53	3.0			75
	Phenomonex	ZB-624		0.32	1.8			60
	GC/MS Semivolatiles Laboratory							
X	Restek	RTX-5MS		0.32	0.25			30
	Phenomonex	ZB-5MS		0.32	0.25			30
	HPLC Laboratory							
	Supelco	Supelcosil LC-PAH		4.6	5.0			15 cm
	Supelco	Discovery RP Amide C16		4.6	5.0			25 cm
	Restek	Pinnacle Cyano		4.6	5.0			25 cm
	Restek	Allure C18		4.6	5.0			25 cm
			TRAPS *					
	GC and GC/MS Volatiles Laboratory							
	Supelco J (BETXTRAP™)		* 7.7 cm Carbopack C					
			* 1.2 cm Carbopack B					
	Supelco K (Vocarb3000)		* 10 cm of Carbopack B (Graphitized Carbons)					
			* 6 cm of Carboxen 1000 (Carbon molecular sieves)					
			* 1 cm of Carboxen 1001 (Carbon molecular sieves)					
								Rev. 28

* This table contains the GC columns (and volatile organic trap) used for the analysis of volatiles, semi-voaltiles, pesticides, and Aroclors by the SOM01.2 SOW.

Please see the SDG Narrative(s) for the specific fractions(s) relative to this SDG.

CompuChem

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CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.).

Revision 6 (12/6/2005)

Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC chemists. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC analysis. The manual editing/integration flags are:

M - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak.

H - Denotes that the data reviewer, GC/MS operator, or GC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

MH - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.

L - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

The EPA CLP SOW documents require additional explanations for manual editing/integration. In the accompanying raw data packages, additional codes have been applied to the "M" flag and carry the following meanings;

M1 - The compound was not found by the automatic integration routine.

M2 - The compound was incorrectly integrated by the automatic integration routine.

M3 - The co-eluting compounds were incorrectly integrated by the automatic integration routine.

These codes will appear in the GC/MS and GC raw data.

DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each compound. The qualifiers used are:

U : This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J : This flag indicates an estimated value. The flag is used as detailed below:

1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1:1 is assumed for the TIC analyte,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide and/or Aroclor or other GC or HPLC identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.

N : This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search and must be used with the J flag. For generic characterization of a TIC such as "chlorinated hydrocarbon" (or for an "unknown," with no matches ≥85% in the SOM01.1 SOW), the N flag is not used.

P : In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the Form I and flagged with a P.
For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the higher of the two values is reported and flagged with a P. When the RPD is equal to or less than 40%, our policy is to also report the higher of the two values, although the choice could be a project specific issue. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

DATA REPORTING QUALIFIERS (continued)

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations (responses in the SOM01.1 SOW) exceed the upper level of the calibration range (exceed the response of the high ICAL standard in the SOM01.1 SOW) of the instrument for that specific analysis. If one or more compounds have a response greater than the upper level of the calibration range (greater than the response of the highest ICAL standard in the SOM01.1 SOW), the sample or extract will be diluted and reanalyzed. All such compounds with a response greater than the upper level of the calibration range (with responses greater than the response of the highest ICAL standard in the SOM01.1 SOW) will have the concentration (result in the SOM01.1 SOW) flagged with an E on Form I for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration (response in the SOM01.1 SOW) of an analyte exceeds the upper calibration range (exceeds the response of the highest ICAL standard in the SOM01.1 SOW), the DL suffix is appended to the sample number on the Form I for the more diluted sample, and **all** reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.

NOTE 1: The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.

NOTE 2: Separate Forms I are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses <u>are not combined</u> on a single Form I.

A: This flag indicates that a TIC is a suspected aldol-condensation product.

S: In the SOM01.1 SOW, this flag is used to indicate an estimated value for Aroclor target compounds where a valid 5-point initial calibration was not performed prior to the analytes detection in a sample. If an "S" flag is used for a specific Aroclor, then a reanalysis of the sample is required after a valid 5-point calibration is performed for the detected Aroclor.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y, and Z.

B. Form I

Organic Analysis Data Sheet (OADS)
- All samples in alphanumeric order
- Matrix Spike/Matrix Spike Duplicate
- Laboratory Control Sample(s)

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SB64-1-2

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005157-10
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005157-10A70
Analyst: OWS

% Moisture: 13 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.82	9.5	ND	U
91-57-6	2-Methylnaphthalene	0.79	9.5	ND	U
208-96-8	Acenaphthylene	0.61	9.5	ND	U
83-32-9	Acenaphthene	0.69	9.5	ND	U
86-73-7	Fluorene	0.52	9.5	ND	U
85-01-8	Phenanthrene	1.5	9.5	ND	U
120-12-7	Anthracene	0.50	9.5	ND	U
206-44-0	Fluoranthene	1.5	9.5	ND	U
129-00-0	Pyrene	0.65	9.5	ND	U
56-55-3	Benzo(a)anthracene	0.65	9.5	ND	U
218-01-9	Chrysene	0.73	9.5	ND	U
205-99-2	Benzo(b)fluoranthene	0.65	9.5	ND	U
207-08-9	Benzo(k)fluoranthene	0.50	9.5	ND	U
50-32-8	Benzo(a)pyrene	0.44	9.5	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.42	9.5	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.38	9.5	ND	U
191-24-2	Benzo(g,h,i)perylene	0.44	9.5	ND	U

ND = Not Detected
Q = Qualifier

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SB65-1-2

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005157-11
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005157-11A70
Analyst: OWS

% Moisture: 20 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.90	10	ND	U
91-57-6	2-Methylnaphthalene	0.85	10	ND	U
208-96-8	Acenaphthylene	0.67	10	ND	U
83-32-9	Acenaphthene	0.75	10	ND	U
86-73-7	Fluorene	0.56	10	ND	U
85-01-8	Phenanthrene	1.6	10	1.9	J
120-12-7	Anthracene	0.54	10	ND	U
206-44-0	Fluoranthene	1.7	10	2.1	J
129-00-0	Pyrene	0.71	10	2.1	J
56-55-3	Benzo(a)anthracene	0.71	10	1.1	J
218-01-9	Chrysene	0.79	10	1.5	J
205-99-2	Benzo(b)fluoranthene	0.71	10	0.99	J
207-08-9	Benzo(k)fluoranthene	0.54	10	0.76	J
50-32-8	Benzo(a)pyrene	0.48	10	0.60	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.46	10	5.6	J
53-70-3	Dibenzo(a,h)anthracene	0.42	10	ND	U
191-24-2	Benzo(g,h,i)perylene	0.48	10	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SB69-2-3

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005157-09
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005157-09A70
Analyst: OWS

% Moisture: 18 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.87	10	ND	U
91-57-6	2-Methylnaphthalene	0.83	10	ND	U
208-96-8	Acenaphthylene	0.65	10	ND	U
83-32-9	Acenaphthene	0.73	10	ND	U
86-73-7	Fluorene	0.55	10	ND	U
85-01-8	Phenanthrene	1.6	10	ND	U
120-12-7	Anthracene	0.53	10	ND	U
206-44-0	Fluoranthene	1.6	10	ND	U
129-00-0	Pyrene	0.69	10	ND	U
56-55-3	Benzo(a)anthracene	0.69	10	ND	U
218-01-9	Chrysene	0.77	10	ND	U
205-99-2	Benzo(b)fluoranthene	0.69	10	ND	U
207-08-9	Benzo(k)fluoranthene	0.53	10	ND	U
50-32-8	Benzo(a)pyrene	0.47	10	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.45	10	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.41	10	ND	U
191-24-2	Benzo(g,h,i)perylene	0.47	10	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SB70-1-2

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005157-07
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005157-07A70
Analyst: OWS

% Moisture: 11 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.81	9.3	ND	U
91-57-6	2-Methylnaphthalene	0.77	9.3	ND	U
208-96-8	Acenaphthylene	0.60	9.3	ND	U
83-32-9	Acenaphthene	0.67	9.3	ND	U
86-73-7	Fluorene	0.51	9.3	ND	U
85-01-8	Phenanthrene	1.5	9.3	ND	U
120-12-7	Anthracene	0.49	9.3	ND	U
206-44-0	Fluoranthene	1.5	9.3	ND	U
129-00-0	Pyrene	0.64	9.3	ND	U
56-55-3	Benzo(a)anthracene	0.64	9.3	ND	U
218-01-9	Chrysene	0.71	9.3	ND	U
205-99-2	Benzo(b)fluoranthene	0.64	9.3	ND	U
207-08-9	Benzo(k)fluoranthene	0.49	9.3	ND	U
50-32-8	Benzo(a)pyrene	0.43	9.3	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.41	9.3	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.37	9.3	ND	U
191-24-2	Benzo(g,h,i)perylene	0.43	9.3	ND	U

ND = Not Detected
Q = Qualifier

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SB73-9-10

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/17/10

Lab Sample ID: 1005157-01
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005157-01B70
Analyst: TD

% Moisture: 20 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.90	10	ND	U
91-57-6	2-Methylnaphthalene	0.85	10	ND	U
208-96-8	Acenaphthylene	0.67	10	ND	U
83-32-9	Acenaphthene	0.75	10	ND	U
86-73-7	Fluorene	0.56	10	ND	U
85-01-8	Phenanthrene	1.6	10	ND	U
120-12-7	Anthracene	0.54	10	ND	U
206-44-0	Fluoranthene	1.7	10	ND	U
129-00-0	Pyrene	0.71	10	ND	U
56-55-3	Benzo(a)anthracene	0.71	10	ND	U
218-01-9	Chrysene	0.79	10	ND	U
205-99-2	Benzo(b)fluoranthene	0.71	10	ND	U
207-08-9	Benzo(k)fluoranthene	0.54	10	ND	U
50-32-8	Benzo(a)pyrene	0.48	10	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.46	10	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.42	10	ND	U
191-24-2	Benzo(g,h,i)perylene	0.48	10	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SB82-2-3

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/21/10

Lab Sample ID: 1005157-17
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005157-17A70
Analyst: OWS

% Moisture: 14 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.83	9.7	ND	U
91-57-6	2-Methylnaphthalene	0.79	9.7	ND	U
208-96-8	Acenaphthylene	0.62	9.7	ND	U
83-32-9	Acenaphthene	0.70	9.7	ND	U
86-73-7	Fluorene	0.52	9.7	ND	U
85-01-8	Phenanthrene	1.5	9.7	ND	U
120-12-7	Anthracene	0.50	9.7	ND	U
206-44-0	Fluoranthene	1.6	9.7	ND	U
129-00-0	Pyrene	0.66	9.7	ND	U
56-55-3	Benzo(a)anthracene	0.66	9.7	ND	U
218-01-9	Chrysene	0.74	9.7	ND	U
205-99-2	Benzo(b)fluoranthene	0.66	9.7	ND	U
207-08-9	Benzo(k)fluoranthene	0.50	9.7	ND	U
50-32-8	Benzo(a)pyrene	0.45	9.7	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.43	9.7	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.39	9.7	ND	U
191-24-2	Benzo(g,h,i)perylene	0.45	9.7	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SB82D-2-3

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/21/10

Lab Sample ID: 1005157-18
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005157-18A70
Analyst: OWS

% Moisture: 14 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.83	9.7	ND	U
91-57-6	2-Methylnaphthalene	0.79	9.7	ND	U
208-96-8	Acenaphthylene	0.62	9.7	ND	U
83-32-9	Acenaphthene	0.70	9.7	ND	U
86-73-7	Fluorene	0.52	9.7	ND	U
85-01-8	Phenanthrene	1.5	9.7	ND	U
120-12-7	Anthracene	0.50	9.7	ND	U
206-44-0	Fluoranthene	1.6	9.7	ND	U
129-00-0	Pyrene	0.66	9.7	ND	U
56-55-3	Benzo(a)anthracene	0.66	9.7	ND	U
218-01-9	Chrysene	0.74	9.7	ND	U
205-99-2	Benzo(b)fluoranthene	0.66	9.7	ND	U
207-08-9	Benzo(k)fluoranthene	0.50	9.7	ND	U
50-32-8	Benzo(a)pyrene	0.45	9.7	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.43	9.7	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.39	9.7	ND	U
191-24-2	Benzo(g,h,i)perylene	0.45	9.7	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SB90-2-3

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/19/10

Lab Sample ID: 1005157-05
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005157-05B70
Analyst: TD

% Moisture: 16 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.85	9.9	0.89	J
91-57-6	2-Methylnaphthalene	0.81	9.9	ND	U
208-96-8	Acenaphthylene	0.63	9.9	ND	U
83-32-9	Acenaphthene	0.71	9.9	ND	U
86-73-7	Fluorene	0.54	9.9	ND	U
85-01-8	Phenanthrene	1.6	9.9	ND	U
120-12-7	Anthracene	0.52	9.9	ND	U
206-44-0	Fluoranthene	1.6	9.9	ND	U
129-00-0	Pyrene	0.67	9.9	ND	U
56-55-3	Benzo(a)anthracene	0.67	9.9	ND	U
218-01-9	Chrysene	0.75	9.9	ND	U
205-99-2	Benzo(b)fluoranthene	0.67	9.9	ND	U
207-08-9	Benzo(k)fluoranthene	0.52	9.9	ND	U
50-32-8	Benzo(a)pyrene	0.46	9.9	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.44	9.9	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.40	9.9	ND	U
191-24-2	Benzo(g,h,i)perylene	0.46	9.9	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SS51-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/19/10

Lab Sample ID: 1005157-02
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005157-02B70
Analyst: TD

% Moisture: 28 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	1.00	12	1.4	J
91-57-6	2-Methylnaphthalene	0.95	12	1.1	J
208-96-8	Acenaphthylene	0.74	12	0.83	J
83-32-9	Acenaphthene	0.83	12	ND	U
86-73-7	Fluorene	0.63	12	ND	U
85-01-8	Phenanthrene	1.8	12	4.0	J
120-12-7	Anthracene	0.60	12	1.6	J
206-44-0	Fluoranthene	1.9	12	14	
129-00-0	Pyrene	0.79	12	15	
56-55-3	Benzo(a)anthracene	0.79	12	6.6	J
218-01-9	Chrysene	0.88	12	9.3	J
205-99-2	Benzo(b)fluoranthene	0.79	12	11	J
207-08-9	Benzo(k)fluoranthene	0.60	12	6.6	J
50-32-8	Benzo(a)pyrene	0.53	12	5.8	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.51	12	10	J
53-70-3	Dibenzo(a,h)anthracene	0.46	12	2.0	J
191-24-2	Benzo(g,h,i)perylene	0.53	12	5.2	J

ND = Not Detected
Q = Qualifier

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SS51D-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/19/10

Lab Sample ID: 1005157-03
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005157-03B70
Analyst: TD

% Moisture: 23 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.93	11	1.3	J
91-57-6	2-Methylnaphthalene	0.89	11	1.6	J
208-96-8	Acenaphthylene	0.69	11	ND	U
83-32-9	Acenaphthene	0.78	11	0.92	J
86-73-7	Fluorene	0.58	11	0.77	J
85-01-8	Phenanthrene	1.7	11	7.8	J
120-12-7	Anthracene	0.56	11	2.5	J
206-44-0	Fluoranthene	1.7	11	13	
129-00-0	Pyrene	0.74	11	11	
56-55-3	Benzo(a)anthracene	0.74	11	7.4	J
218-01-9	Chrysene	0.82	11	8.2	J
205-99-2	Benzo(b)fluoranthene	0.74	11	ND	U
207-08-9	Benzo(k)fluoranthene	0.56	11	ND	U
50-32-8	Benzo(a)pyrene	0.50	11	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.48	11	8.5	J
53-70-3	Dibenzo(a,h)anthracene	0.43	11	1.9	J
191-24-2	Benzo(g,h,i)perylene	0.50	11	3.8	J

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SS64-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005157-12
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005157-12A70
Analyst: OWS

% Moisture: 9 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.79	9.1	ND	U
91-57-6	2-Methylnaphthalene	0.75	9.1	ND	U
208-96-8	Acenaphthylene	0.59	9.1	ND	U
83-32-9	Acenaphthene	0.66	9.1	ND	U
86-73-7	Fluorene	0.49	9.1	ND	U
85-01-8	Phenanthrene	1.4	9.1	2.0	J
120-12-7	Anthracene	0.48	9.1	ND	U
206-44-0	Fluoranthene	1.5	9.1	ND	U
129-00-0	Pyrene	0.62	9.1	ND	U
56-55-3	Benzo(a)anthracene	0.62	9.1	ND	U
218-01-9	Chrysene	0.70	9.1	ND	U
205-99-2	Benzo(b)fluoranthene	0.62	9.1	0.81	JX
207-08-9	Benzo(k)fluoranthene	0.48	9.1	0.66	JX
50-32-8	Benzo(a)pyrene	0.42	9.1	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.40	9.1	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.37	9.1	ND	U
191-24-2	Benzo(g,h,i)perylene	0.42	9.1	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SS65-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005157-14
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005157-14A70
Analyst: OWS

% Moisture: 14 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.83	9.7	ND	U
91-57-6	2-Methylnaphthalene	0.79	9.7	ND	U
208-96-8	Acenaphthylene	0.62	9.7	ND	U
83-32-9	Acenaphthene	0.70	9.7	ND	U
86-73-7	Fluorene	0.52	9.7	ND	U
85-01-8	Phenanthrene	1.5	9.7	ND	U
120-12-7	Anthracene	0.50	9.7	ND	U
206-44-0	Fluoranthene	1.6	9.7	ND	U
129-00-0	Pyrene	0.66	9.7	ND	U
56-55-3	Benzo(a)anthracene	0.66	9.7	ND	U
218-01-9	Chrysene	0.74	9.7	ND	U
205-99-2	Benzo(b)fluoranthene	0.66	9.7	ND	U
207-08-9	Benzo(k)fluoranthene	0.50	9.7	ND	U
50-32-8	Benzo(a)pyrene	0.45	9.7	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.43	9.7	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.39	9.7	ND	U
191-24-2	Benzo(g,h,i)perylene	0.45	9.7	ND	U

ND = Not Detected
Q = Qualifier

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SS66-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005157-13
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005157-13A70
Analyst: OWS

% Moisture: 50 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	1.4	17	ND	U
91-57-6	2-Methylnaphthalene	1.4	17	ND	U
208-96-8	Acenaphthylene	1.1	17	ND	U
83-32-9	Acenaphthene	1.2	17	ND	U
86-73-7	Fluorene	0.90	17	ND	U
85-01-8	Phenanthrene	2.6	17	ND	U
120-12-7	Anthracene	0.87	17	ND	U
206-44-0	Fluoranthene	2.7	17	ND	U
129-00-0	Pyrene	1.1	17	ND	U
56-55-3	Benzo(a)anthracene	1.1	17	ND	U
218-01-9	Chrysene	1.3	17	ND	U
205-99-2	Benzo(b)fluoranthene	1.1	17	ND	U
207-08-9	Benzo(k)fluoranthene	0.87	17	ND	U
50-32-8	Benzo(a)pyrene	0.77	17	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.73	17	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.67	17	ND	U
191-24-2	Benzo(g,h,i)perylene	0.77	17	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SS69-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005157-08
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005157-08A70
Analyst: OWS

% Moisture: 14 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.83	9.7	1.1	J
91-57-6	2-Methylnaphthalene	0.79	9.7	ND	U
208-96-8	Acenaphthylene	0.62	9.7	ND	U
83-32-9	Acenaphthene	0.70	9.7	ND	U
86-73-7	Fluorene	0.52	9.7	ND	U
85-01-8	Phenanthrene	1.5	9.7	ND	U
120-12-7	Anthracene	0.50	9.7	ND	U
206-44-0	Fluoranthene	1.6	9.7	ND	U
129-00-0	Pyrene	0.66	9.7	ND	U
56-55-3	Benzo(a)anthracene	0.66	9.7	ND	U
218-01-9	Chrysene	0.74	9.7	ND	U
205-99-2	Benzo(b)fluoranthene	0.66	9.7	ND	U
207-08-9	Benzo(k)fluoranthene	0.50	9.7	ND	U
50-32-8	Benzo(a)pyrene	0.45	9.7	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.43	9.7	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.39	9.7	ND	U
191-24-2	Benzo(g,h,i)perylene	0.45	9.7	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SS70-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005157-06
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005157-06B70
Analyst: TD

% Moisture: 2 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.73	8.5	ND	U
91-57-6	2-Methylnaphthalene	0.70	8.5	ND	U
208-96-8	Acenaphthylene	0.54	8.5	ND	U
83-32-9	Acenaphthene	0.61	8.5	ND	U
86-73-7	Fluorene	0.46	8.5	ND	U
85-01-8	Phenanthrene	1.3	8.5	ND	U
120-12-7	Anthracene	0.44	8.5	ND	U
206-44-0	Fluoranthene	1.4	8.5	ND	U
129-00-0	Pyrene	0.58	8.5	ND	U
56-55-3	Benzo(a)anthracene	0.58	8.5	ND	U
218-01-9	Chrysene	0.65	8.5	ND	U
205-99-2	Benzo(b)fluoranthene	0.58	8.5	ND	U
207-08-9	Benzo(k)fluoranthene	0.44	8.5	ND	U
50-32-8	Benzo(a)pyrene	0.39	8.5	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.5	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.34	8.5	ND	U
191-24-2	Benzo(g,h,i)perylene	0.39	8.5	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SS82-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/21/10

Lab Sample ID: 1005157-15
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005157-15A70
Analyst: OWS

% Moisture: 3 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.74	8.6	ND	U
91-57-6	2-Methylnaphthalene	0.70	8.6	ND	U
208-96-8	Acenaphthylene	0.55	8.6	ND	U
83-32-9	Acenaphthene	0.62	8.6	ND	U
86-73-7	Fluorene	0.46	8.6	ND	U
85-01-8	Phenanthrene	1.4	8.6	ND	U
120-12-7	Anthracene	0.45	8.6	ND	U
206-44-0	Fluoranthene	1.4	8.6	4.4	J
129-00-0	Pyrene	0.58	8.6	4.2	J
56-55-3	Benzo(a)anthracene	0.58	8.6	2.6	J
218-01-9	Chrysene	0.65	8.6	2.4	J
205-99-2	Benzo(b)fluoranthene	0.58	8.6	2.5	J
207-08-9	Benzo(k)fluoranthene	0.45	8.6	2.0	J
50-32-8	Benzo(a)pyrene	0.40	8.6	2.3	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	8.6	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.34	8.6	ND	U
191-24-2	Benzo(g,h,i)perylene	0.40	8.6	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SS82D-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/21/10

Lab Sample ID: 1005157-16
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005157-16A70
Analyst: OWS

% Moisture: 3 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.74	8.6	ND	U
91-57-6	2-Methylnaphthalene	0.70	8.6	ND	U
208-96-8	Acenaphthylene	0.55	8.6	ND	U
83-32-9	Acenaphthene	0.62	8.6	ND	U
86-73-7	Fluorene	0.46	8.6	ND	U
85-01-8	Phenanthrene	1.4	8.6	1.8	J
120-12-7	Anthracene	0.45	8.6	ND	U
206-44-0	Fluoranthene	1.4	8.6	4.0	J
129-00-0	Pyrene	0.58	8.6	3.4	J
56-55-3	Benzo(a)anthracene	0.58	8.6	2.1	J
218-01-9	Chrysene	0.65	8.6	2.3	J
205-99-2	Benzo(b)fluoranthene	0.58	8.6	ND	U
207-08-9	Benzo(k)fluoranthene	0.45	8.6	ND	U
50-32-8	Benzo(a)pyrene	0.40	8.6	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	8.6	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.34	8.6	ND	U
191-24-2	Benzo(g,h,i)perylene	0.40	8.6	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SS90-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/19/10

Lab Sample ID: 1005157-04
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005157-04B70
Analyst: TD

% Moisture: 5 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.75	8.7	ND	U
91-57-6	2-Methylnaphthalene	0.72	8.7	ND	U
208-96-8	Acenaphthylene	0.56	8.7	ND	U
83-32-9	Acenaphthene	0.63	8.7	ND	U
86-73-7	Fluorene	0.47	8.7	ND	U
85-01-8	Phenanthrene	1.4	8.7	ND	U
120-12-7	Anthracene	0.46	8.7	ND	U
206-44-0	Fluoranthene	1.4	8.7	ND	U
129-00-0	Pyrene	0.60	8.7	ND	U
56-55-3	Benzo(a)anthracene	0.60	8.7	ND	U
218-01-9	Chrysene	0.67	8.7	ND	U
205-99-2	Benzo(b)fluoranthene	0.60	8.7	ND	U
207-08-9	Benzo(k)fluoranthene	0.46	8.7	ND	U
50-32-8	Benzo(a)pyrene	0.40	8.7	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.39	8.7	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.35	8.7	ND	U
191-24-2	Benzo(g,h,i)perylene	0.40	8.7	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SB73-9-10MS

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/17/10

Lab Sample ID: 0052604-MS1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 0052604-MS1B70
Analyst: TD

% Moisture: 20 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.90	10	11	
91-57-6	2-Methylnaphthalene	0.85	10	11	
208-96-8	Acenaphthylene	0.67	10	13	
83-32-9	Acenaphthene	0.75	10	13	
86-73-7	Fluorene	0.56	10	14	
85-01-8	Phenanthrene	1.6	10	15	
120-12-7	Anthracene	0.54	10	20	
206-44-0	Fluoranthene	1.7	10	20	
129-00-0	Pyrene	0.71	10	19	
56-55-3	Benzo(a)anthracene	0.71	10	20	
218-01-9	Chrysene	0.79	10	19	
205-99-2	Benzo(b)fluoranthene	0.71	10	17	
207-08-9	Benzo(k)fluoranthene	0.54	10	20	
50-32-8	Benzo(a)pyrene	0.48	10	18	
193-39-5	Indeno(1,2,3-cd)pyrene	0.46	10	19	
53-70-3	Dibenzo(a,h)anthracene	0.42	10	18	
191-24-2	Benzo(g,h,i)perylene	0.48	10	16	

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SB73-9-10MSD

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/17/10

Lab Sample ID: 0052604-MSD1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 0052604-MSD1B70
Analyst: TD

% Moisture: 20 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.90	10	10	J
91-57-6	2-Methylnaphthalene	0.85	10	10	J
208-96-8	Acenaphthylene	0.67	10	13	
83-32-9	Acenaphthene	0.75	10	12	
86-73-7	Fluorene	0.56	10	13	
85-01-8	Phenanthrene	1.6	10	14	
120-12-7	Anthracene	0.54	10	19	
206-44-0	Fluoranthene	1.7	10	19	
129-00-0	Pyrene	0.71	10	17	
56-55-3	Benzo(a)anthracene	0.71	10	19	
218-01-9	Chrysene	0.79	10	19	
205-99-2	Benzo(b)fluoranthene	0.71	10	16	
207-08-9	Benzo(k)fluoranthene	0.54	10	18	
50-32-8	Benzo(a)pyrene	0.48	10	17	
193-39-5	Indeno(1,2,3-cd)pyrene	0.46	10	19	
53-70-3	Dibenzo(a,h)anthracene	0.42	10	17	
191-24-2	Benzo(g,h,i)perylene	0.48	10	16	

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SCULCS

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0052604-BS1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0052604-BS1B70
Analyst: TD

% Moisture: 0 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	5.9	J
91-57-6	2-Methylnaphthalene	0.68	8.3	6.1	J
208-96-8	Acenaphthylene	0.53	8.3	6.0	J
83-32-9	Acenaphthene	0.60	8.3	5.6	J
86-73-7	Fluorene	0.45	8.3	6.2	J
85-01-8	Phenanthrene	1.3	8.3	10	
120-12-7	Anthracene	0.43	8.3	13	
206-44-0	Fluoranthene	1.3	8.3	15	
129-00-0	Pyrene	0.57	8.3	14	
56-55-3	Benzo(a)anthracene	0.57	8.3	15	
218-01-9	Chrysene	0.63	8.3	14	
205-99-2	Benzo(b)fluoranthene	0.57	8.3	13	
207-08-9	Benzo(k)fluoranthene	0.43	8.3	13	
50-32-8	Benzo(a)pyrene	0.38	8.3	13	
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	14	
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	12	
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	11	

ND = Not Detected
Q = Qualifier

FORM I SV-1

C. Form II

Surrogate spike analysis

- By level (low, medium) -

FORM 2
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Level:(low/med) LOW

	CLIENT SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	SBLKCU	61	58	90						0
02	SCULCS	39	35*	90						1
03	SB73-9-10	59	55	101						0
04	SB73-9-10MS	61	59	101						0
05	SB73-9-10MSD	56	53	88						0
06	SS51-0-1	62	78	104						0
07	SS51D-0-1	57	64	98						0
08	SS90-0-1	65	66	99						0
09	SB90-2-3	71	67	104						0
10	SS70-0-1	66	71	102						0
11	SB70-1-2	55	59	102						0
12	SS69-0-1	71	82	106						0
13	SB69-2-3	61	55	103						0
14	SB64-1-2	73	72	103						0
15	SB65-1-2	46	57	100						0
16	SS64-0-1	66	78	105						0
17	SS66-0-1	49	56	95						0
18	SS65-0-1	60	68	111						0
19	SS82-0-1	63	64	103						0
20	SS82D-0-1	68	72	98						0
21	SB82-2-3	68	63	99						0
22	SB82D-2-3	57	54	88						0
23										
24										
25										
26										
27										
28										

	QC LIMITS
S1 (NBZ) = Nitrobenzene-d5	(35-100)
S2 (FBP) = 2-Fluorobiphenyl	(45-105)
S3 (TPH) = Terphenyl-d14	(30-125)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

D. Form III

Matrix Spike/Matrix Spike Duplicate results
- By level (low, medium) -
Laboratory Control Sample(s)

FORM 3
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix Spike - Sample No.: SB73-9-10 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Naphthalene	20.83	0	10.99	53	40-105
2-Methylnaphthalene	20.83	0	10.97	53	45-105
Acenaphthylene	20.83	0	13.46	65	50-105
Acenaphthene	20.83	0	12.53	60	45-110
Fluorene	20.83	0	13.6	65	50-110
Phenanthrene	20.83	0	15.15	73	50-110
Anthracene	20.83	0	20.18	97	55-105
Fluoranthene	20.83	0	19.58	94	55-115
Pyrene	20.83	0	19.22	92	45-125
Benzo(a)anthracene	20.83	0	20.09	96	50-110
Chrysene	20.83	0	19.04	91	55-110
Benzo(b)fluoranthene	20.83	0	17.39	83	45-115
Benzo(k)fluoranthene	20.83	0	19.94	96	45-125
Benzo(a)pyrene	20.83	0	17.99	86	50-110
Indeno(1,2,3-cd)pyrene	20.83	0	18.8	90	40-125
Dibenzo(a,h)anthracene	20.83	0	17.55	84	40-125
Benzo(g,h,i)perylene	20.83	0	15.55	75	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix Spike - Sample No.: SB73-9-10 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Naphthalene	20.83	10.45	50	5	30	40-105
2-Methylnaphthalene	20.83	10.3	49	6	30	45-105
Acenaphthylene	20.83	12.55	60	7	30	50-105
Acenaphthene	20.83	11.74	56	6	30	45-110
Fluorene	20.83	13.18	63	3	30	50-110
Phenanthrene	20.83	14.14	68	7	30	50-110
Anthracene	20.83	19.18	92	5	30	55-105
Fluoranthene	20.83	18.81	90	4	30	55-115
Pyrene	20.83	17.47	84	10	30	45-125
Benzo(a)anthracene	20.83	18.94	91	6	30	50-110
Chrysene	20.83	18.56	89	2	30	55-110
Benzo(b)fluoranthene	20.83	15.73	76	10	30	45-115
Benzo(k)fluoranthene	20.83	18.2	87	9	30	45-125
Benzo(a)pyrene	20.83	16.96	81	6	30	50-110
Indeno(1,2,3-cd)pyrene	20.83	19.23	92	2	30	40-125
Dibenzo(a,h)anthracene	20.83	17.36	83	1	30	40-125
Benzo(g,h,i)perylene	20.83	15.65	75	1	30	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 17 outside limits
Spike Recovery: 0 out of 34 outside limits

COMMENTS: _____

3D
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

SCULCS

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Naphthalene	16.67	5.901	35*	40-105
2-Methylnaphthalene	16.67	6.106	37*	45-105
Acenaphthylene	16.67	6.048	36*	50-105
Acenaphthene	16.67	5.635	34*	45-110
Fluorene	16.67	6.238	37*	50-110
Phenanthrene	16.67	10.01	60	50-110
Anthracene	16.67	12.84	77	55-105
Fluoranthene	16.67	14.59	88	55-115
Pyrene	16.67	13.65	82	45-125
Benzo(a)anthracene	16.67	15.03	90	50-110
Chrysene	16.67	13.65	82	55-110
Benzo(b)fluoranthene	16.67	13.11	79	45-115
Benzo(k)fluoranthene	16.67	13.06	78	45-125
Benzo(a)pyrene	16.67	13.18	79	50-110
Indeno(1,2,3-cd)pyrene	16.67	14.04	84	40-125
Dibenzo(a,h)anthracene	16.67	11.64	70	40-125
Benzo(g,h,i)perylene	16.67	10.54	63	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

Spike Recovery: 5 out of 17 outside limits

COMMENTS: _____

E. Form IV

Method Blank Results
Form IV and Form I

Method blank summary, OADS
- In chronological order of analysis

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

SBLKCU

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab File ID: 0052604-BLK1B70 Lab Sample ID: 0052604-BLK1

Instrument ID: 5972HP70 Date Extracted: 05/26/10

Matrix: (soil/water) SOIL Date Analyzed: 07/02/10

Level:(low/med) LOW Time Analyzed: 0421

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SCULCS	0052604-BS1	0052604-BS1B	07/02/10
02	SB73-9-10	1005157-01	1005157-01B7	07/02/10
03	SB73-9-10MS	0052604-MS1	0052604-MS1B	07/02/10
04	SB73-9-10MSD	0052604-MSD1	0052604-MSD1	07/02/10
05	SS51-0-1	1005157-02	1005157-02B7	07/02/10
06	SS51D-0-1	1005157-03	1005157-03B7	07/02/10
07	SS90-0-1	1005157-04	1005157-04B7	07/02/10
08	SB90-2-3	1005157-05	1005157-05B7	07/02/10
09	SS70-0-1	1005157-06	1005157-06B7	07/02/10
10	SB70-1-2	1005157-07	1005157-07A7	07/02/10
11	SS69-0-1	1005157-08	1005157-08A7	07/02/10
12	SB69-2-3	1005157-09	1005157-09A7	07/02/10
13	SB64-1-2	1005157-10	1005157-10A7	07/02/10
14	SB65-1-2	1005157-11	1005157-11A7	07/02/10
15	SS64-0-1	1005157-12	1005157-12A7	07/02/10
16	SS66-0-1	1005157-13	1005157-13A7	07/02/10
17	SS65-0-1	1005157-14	1005157-14A7	07/02/10
18	SS82-0-1	1005157-15	1005157-15A7	07/02/10
19	SS82D-0-1	1005157-16	1005157-16A7	07/02/10
20	SB82-2-3	1005157-17	1005157-17A7	07/02/10
21	SB82D-2-3	1005157-18	1005157-18A7	07/02/10
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SBLKCU

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0052604-BLK1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0052604-BLK1B70
Analyst: TD

% Moisture: _____ decanted: (Y/N) ___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	ND	U
91-57-6	2-Methylnaphthalene	0.68	8.3	ND	U
208-96-8	Acenaphthylene	0.53	8.3	ND	U
83-32-9	Acenaphthene	0.60	8.3	ND	U
86-73-7	Fluorene	0.45	8.3	ND	U
85-01-8	Phenanthrene	1.3	8.3	ND	U
120-12-7	Anthracene	0.43	8.3	ND	U
206-44-0	Fluoranthene	1.3	8.3	ND	U
129-00-0	Pyrene	0.57	8.3	ND	U
56-55-3	Benzo(a)anthracene	0.57	8.3	ND	U
218-01-9	Chrysene	0.63	8.3	ND	U
205-99-2	Benzo(b)fluoranthene	0.57	8.3	ND	U
207-08-9	Benzo(k)fluoranthene	0.43	8.3	ND	U
50-32-8	Benzo(a)pyrene	0.38	8.3	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	ND	U
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

F. Form VIII

Internal standard area and retention time data

(VOA and SV only)

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab File ID (Standard): 0G01012-CCV1B70 Date Analyzed: 07/01/10

Instrument ID: 5972HP70 Time Analyzed: 2148

		IS1(CRY) AREA #	RT #	IS2(PRY) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	211544	19.50	196172	22.34	42728	4.85
	UPPER LIMIT	423088	20.00	392344	22.84	85456	5.35
	LOWER LIMIT	105772	19.00	98086	21.84	21364	4.35
	CLIENT SAMPLE NO.						
01	SBLKCU	133684	19.50	119311	22.35	34937	4.85
02	SCULCS	157007	19.49	140235	22.34	37367	4.84
03	SB73-9-10	135353	19.49	120442	22.34	38586	4.85
04	SB73-9-10MS	130071	19.50	112114	22.35	34254	4.85
05	SB73-9-10MSD	137294	19.50	126509	22.34	34350	4.85
06	SS51-0-1	140451	19.49	119368	22.34	41172	4.85
07	SS51D-0-1	150371	19.49	144057	22.34	39229	4.85
08	SS90-0-1	126739	19.49	114580	22.34	38185	4.84
09	SB90-2-3	144808	19.51	127892	22.36	42205	4.85
10	SS70-0-1	125674	19.50	113999	22.35	35348	4.85
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab File ID (Standard): 0G01012-CCV1B70 Date Analyzed: 07/01/10

Instrument ID: 5972HP70 Time Analyzed: 2148

		IS4(NPT) AREA #	RT #	IS5(ANT) AREA #	RT #	IS6(PHN) AREA #	RT #
	12 HOUR STD	174563	7.16	120567	10.78	248062	13.87
	UPPER LIMIT	349126	7.66	241134	11.28	496124	14.37
	LOWER LIMIT	87281	6.66	60283	10.28	124031	13.37
	CLIENT SAMPLE NO.						
01	SBLKCU	136107	7.15	82217	10.78	171596	13.87
02	SCULCS	146603	7.14	91847	10.77	192246	13.86
03	SB73-9-10	149867	7.14	89564	10.77	179591	13.86
04	SB73-9-10MS	134317	7.15	79897	10.77	167425	13.86
05	SB73-9-10MSD	130643	7.15	78862	10.77	166433	13.86
06	SS51-0-1	159866	7.14	93198	10.77	188270	13.85
07	SS51D-0-1	157039	7.15	96294	10.76	185481	13.85
08	SS90-0-1	148400	7.15	87572	10.77	172527	13.86
09	SB90-2-3	164684	7.15	98867	10.77	198417	13.87
10	SS70-0-1	137711	7.15	80494	10.78	163155	13.87
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab File ID (Standard): 0G02006-CCV1A70 Date Analyzed: 07/02/10

Instrument ID: 5972HP70 Time Analyzed: 1030

		IS1(CRY) AREA	#	RT	#	IS2(PRY) AREA	#	RT	#	IS3(DCB) AREA	#	RT	#
	12 HOUR STD	111435		19.52		109271		22.37		21727		4.84	
	UPPER LIMIT	222870		20.02		218542		22.87		43454		5.34	
	LOWER LIMIT	55717		19.02		54635		21.87		10863		4.34	
	CLIENT SAMPLE NO.												
01	SB70-1-2	92467		19.51		78379		22.36		25886		4.84	
02	SS69-0-1	106762		19.51		85827		22.36		37698		4.85	
03	SB69-2-3	103403		19.51		90007		22.36		28348		4.85	
04	SB64-1-2	98734		19.51		85749		22.37		30330		4.85	
05	SB65-1-2	106576		19.51		95267		22.36		33194		4.85	
06	SS64-0-1	110994		19.52		99545		22.36		32593		4.85	
07	SS66-0-1	115254		19.51		101704		22.37		38974		4.86	
08	SS65-0-1	88330		19.52		77829		22.37		24156		4.86	
09	SS82-0-1	112574		19.51		100362		22.37		32613		4.86	
10	SS82D-0-1	99165		19.52		88593		22.37		26941		4.86	
11	SB82-2-3	159773		19.52		139378		22.38		40046		4.87	
12	SB82D-2-3	134805		19.52		124978		22.38		31205		4.86	
13													
14													
15													
16													
17													
18													
19													
20													

IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab File ID (Standard): 0G02006-CCV1A70 Date Analyzed: 07/02/10

Instrument ID: 5972HP70 Time Analyzed: 1030

		IS4(NPT) AREA #	RT #	IS5(ANT) AREA #	RT #	IS6(PHN) AREA #	RT #
	12 HOUR STD	98104	7.15	66515	10.79	136843	13.88
	UPPER LIMIT	196208	7.65	133030	11.29	273686	14.38
	LOWER LIMIT	49052	6.65	33257	10.29	68421	13.38
	CLIENT SAMPLE NO.						
01	SB70-1-2	99339	7.15	60888	10.78	124983	13.88
02	SS69-0-1	148213	7.15	83681	10.77	156329	13.86
03	SB69-2-3	106838	7.15	65329	10.78	135875	13.88
04	SB64-1-2	112003	7.15	63732	10.78	129157	13.88
05	SB65-1-2	129073	7.14	75980	10.78	148778	13.87
06	SS64-0-1	125715	7.15	69050	10.78	151592	13.87
07	SS66-0-1	146492	7.16	84016	10.78	161087	13.87
08	SS65-0-1	91023	7.16	54800	10.78	115062	13.88
09	SS82-0-1	126042	7.16	74806	10.78	153684	13.88
10	SS82D-0-1	103385	7.16	61816	10.78	126506	13.88
11	SB82-2-3	160203	7.16	95993	10.78	198970	13.88
12	SB82D-2-3	125620	7.16	77765	10.79	159712	13.89
13							
14							
15							
16							
17							
18							
19							
20							

IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV

CompuChem, a Division of Liberty Analytical Corporation

I. SAMPLE DATA PACKAGE

GC/MS by SW-846

Modified For Selected Ion Monitoring (SIM)

The sample data package shall include data for all analyses of all samples in one Sample Delivery Group (SDG), including field samples, dilutions, reanalyses, blanks, matrix spikes, matrix spike duplicates, and laboratory control samples. The sample data package consists of the following:

A. SDG Narrative

B. Chain-of-Custody Documentation

C. SDG Data

LAB CODE: LIBRTY METHOD: 8270C

SDG # : 1005157

A. SDG Narrative

CompuChem

a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG # 1005157
PROTOCOL: SW-846
Date: July 07, 2010

SAMPLE IDENTIFICATIONS:

SB64-1-2, SB65-1-2, SB69-2-3, SB70-1-2, SB73-9-10, SB73-9-10MS, SB73-9-10MSD, SB82-2-3, SB82D-2-3, SB90-2-3, SS51-0-1, SS51D-0-1, SS64-0-1, SS65-0-1, SS66-0-1, SS69-0-1, SS70-0-1, SS82-0-1, SS82D-0-1, and SS90-0-1

The twenty (20) soil samples listed above were received intact, in sealed shipping containers, on May 19 and 21, 2010. The cooler temperatures associated with these samples were 4.3, 3.9, 3.1, 0.3, and 1.3 °C.

The client identifications for samples SB73-9-10, SB73-9-10MS, and SB73-9-10MSD did not match between the COC and the sample labels. Samples SB73-9-10, SB73-9-10MS, and SB73-9-10MSD were listed as SS73-9-10, SS73-9-10MS, and SS73-9-10MSD, respectively, on the chain-of-custody (COC) document and were labeled as SB73-9-10, SB73-9-10MS, and SB73-9-10MSD on the sample labels. Our policy is to use the identification found on the sample labels in these circumstances. The Client was contacted and the analysis was preceded as requested.

The samples listed above were scheduled for the requested analysis of the semivolatile Selected Ion Monitoring (SIM) fraction.

SW-846, 3rd Edition, Update 3, Sonication extraction (Method 3550B), and Method 8270C Selected Ion Monitoring (SIM) were used to prepare and analyze these samples, with the exceptions and/or additions requested by the client. This portion of the narrative deals with the semivolatile Selected Ion Monitoring (SIM) fraction only.

The percent moisture value for these samples ranged from 2 to 50.

Semivolatile SIM

Extraction and analysis holding time requirements were met for these samples.

The semivolatile SIM target compound list (TCL) analytes Fluoranthene and Pyrene were identified above the Contract Required Quantitation Limits (CRQLs) in samples SS51-0-1 and SS51D-0-1.

In the continuing calibration standards associated with these samples for the SIM analysis, Benzo(b)fluoranthene and Benzo(k)fluoranthene were chromatographically resolved and were identified as separate peaks with different retention times. However, in sample SS64-0-1, these isomers could not be chromatographically resolved. This is indicated with an "X" flag on the Form I.

Manual integrations were performed on one or more of the process files associated with this SDG. Please see the detailed Manual Integration Summary report that is located behind this SDG narrative. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

Mass assignments were verified by the injections of Perfluorotributylamine for the SIM analysis.

Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All of the surrogates met recovery criteria in the analyses of these samples, with the exception of SCULCS. In the analysis of the LCS sample SCULCS, the recovery of the surrogate, 2-Fluorobiphenyl, was bias low and failed quality control criteria. Since the recovery of this surrogate met our in-house quality control criteria, the results are being reported without any corrective action.

All of the internal standards met response and retention time criteria in the analyses of these samples.

The associated method blank met all quality control criteria.

Sample SB73-9-10 was used as the original to prepare the duplicate matrix spikes as requested. The associated duplicate matrix spikes met all accuracy and precision criteria.

The associated Laboratory Control Sample, prepared and analyzed along with these samples, met overall accuracy criteria. The recoveries of the spike compounds Naphthalene, 2-Methylnaphthalene, Acenaphthylene, Acenaphthene, and Fluorene in the laboratory control sample SCULCS were bias low and failed the quality control criteria. These compounds were flagged as outliers in the SCULCS laboratory control sample. None of these compounds were detected above the CRQLs in the associated samples.

An uncertainty of these test results may be estimated from the recovery of the surrogates added to the sample prior to sample preparation or from the recovery of spiked compound(s) in the associated laboratory control sample. Further information is available upon request.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Furthermore, I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice. Release of the data contained in this hardcopy data package and in the computer-readable data submitted electronically has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

S. A. Parikh

Saroj A. Parikh
Data Reviewer
July 07, 2010

(SIM)

Manual Integrations											
SDG: 100157											
				Samples							
	0G01012-CCV1	BLCCU	CULCS	#1	MS	MSD	2	3	4	5	6
Compound											
Naphthalene											
2-Methylnaphthalene											
1-Methylnaphthalene											
Acenaphthylene											
Acenaphthene											
Fluorene											
Phenanthrene											
Anthracene											
Fluoranthene											
Pyrene											
Benzo(a)anthracene											
Chrysene											
Benzo(b)fluoranthene											
Benzo(k)fluoranthene							✓				
Benzo(a)pyrene			✓				✓				
Indeno(1,2,3-cd)pyrene	✓		✓		✓	✓	BLTIR				
Dibenzo(a,h)anthracene											
Benzo(g,h,i)perylene							✓	✓			
1,4-Dichlorobenzene-d4											
Naphthalene-d8											
Acenaphthene-d10											
Phenanthrene-d10											
Chrysene-d12											
Perylene-d12											
2-Fluorophenol											
Phenol-d5											
Nitrobenzene-d5											
2,4,6-Tribromophenol											
2-Fluorobiphenyl											
Terphenyl-d14											
"✓" Denotes a manual integration for the compound											

"✓" SMP 07/06/10

Manual Integrations											
SDG: 1005157											
				Samples							
	060200604	#11	#12	#15							
Compound											
Naphthalene											
2-Methylnaphthalene											
1-Methylnaphthalene											
Acenaphthylene											
Acenaphthene											
Fluorene											
Phenanthrene											
Anthracene											
Fluoranthene											
Pyrene											
Benzo(a)anthracene											
Chrysene											
Benzo(b)fluoranthene		✓		✓							
Benzo(k)fluoranthene		✓		✓							
Benzo(a)pyrene		✓									
Indeno(1,2,3-cd)pyrene	✓										
Dibenzo(a,h)anthracene											
Benzo(g,h,i)perylene											
1,4-Dichlorobenzene-d4											
Naphthalene-d8											
Acenaphthene-d10			✓								
Phenanthrene-d10											
Chrysene-d12											
Perylene-d12											
2-Fluorophenol											
Phenol-d5											
Nitrobenzene-d5											
2,4,6-Tribromophenol											
2-Fluorobiphenyl											
Terphenyl-d14											
✓ Denotes a manual integration for the compound											

"✓" SAP 07/06/10

GC and GC/MS Column and Trap Specifications Table

SDG #:	1005157							
			COLUMNS					
Columns Utilized	Brand Name	Coating Material		ID (mm)	Film Thickness (um)			Length (m)
	GC Laboratory							
	Restek	RTX-5		0.53	1.0			30
	Restek	RTX-SMS		0.53	1.0			30
	Restek	clpest		0.32	0.5			30
	Restek	clpest2		0.32	0.42			30
	J&W	DB-210		0.53	1.0			30
	J&W	GS-GASPRO		0.32	N/A			30
	GC Volatiles Laboratory							
	Restek	RTX-Volatiles		0.53	2.0			30
	GC/MS Volatiles Laboratory							
	Restek	RTX-VMS		0.18	1.0			20
	Supelco	SPB-624		0.32	1.8			60
	Supelco	SPB-624		0.53	3.0			75
	Phenomonex	ZB-624		0.32	1.8			60
	GC/MS Semivolatiles Laboratory							
X	Restek	RTX-5MS		0.32	0.25			30
	Phenomonex	ZB-5MS		0.32	0.25			30
	HPLC Laboratory							
	Supelco	Supelcosil LC-PAH		4.6	5.0			15 cm
	Supelco	Discovery RP Amide C16		4.6	5.0			25 cm
	Restek	Pinnacle Cyano		4.6	5.0			25 cm
	Restek	Allure C18		4.6	5.0			25 cm
			TRAPS *					
	GC and GC/MS Volatiles Laboratory							
	Supelco J (BETXTRAP™)		* 7.7 cm Carbopack C					
			* 1.2 cm Carbopack B					
	Supelco K (Vocarb3000)		* 10 cm of Carbopack B (Graphitized Carbons)					
			* 6 cm of Carboxen 1000 (Carbon molecular sieves)					
			* 1 cm of Carboxen 1001 (Carbon molecular sieves)					
								Rev. 28

* This table contains the GC columns (and volatile organic trap) used for the analysis of volatiles, semi-voaltiles, pesticides, and Aroclors by the SOM01.2 SOW.

Please see the SDG Narrative(s) for the specific fractions(s) relative to this SDG.

CompuChem

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CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.).

Revision 6 (12/6/2005)

Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC chemists. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC analysis. The manual editing/integration flags are:

M - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak.

H - Denotes that the data reviewer, GC/MS operator, or GC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

MH - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.

L - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

The EPA CLP SOW documents require additional explanations for manual editing/integration. In the accompanying raw data packages, additional codes have been applied to the "M" flag and carry the following meanings;

M1 - The compound was not found by the automatic integration routine.

M2 - The compound was incorrectly integrated by the automatic integration routine.

M3 - The co-eluting compounds were incorrectly integrated by the automatic integration routine.

These codes will appear in the GC/MS and GC raw data.

DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each compound. The qualifiers used are:

U : This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J : This flag indicates an estimated value. The flag is used as detailed below:

1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1:1 is assumed for the TIC analyte,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide and/or Aroclor or other GC or HPLC identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.

N : This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search and must be used with the J flag. For generic characterization of a TIC such as "chlorinated hydrocarbon" (or for an "unknown," with no matches ≥85% in the SOM01.1 SOW), the N flag is not used.

P : In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the Form I and flagged with a P.
For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the higher of the two values is reported and flagged with a P. When the RPD is equal to or less than 40%, our policy is to also report the higher of the two values, although the choice could be a project specific issue. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

DATA REPORTING QUALIFIERS (continued)

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations (responses in the SOM01.1 SOW) exceed the upper level of the calibration range (exceed the response of the high ICAL standard in the SOM01.1 SOW) of the instrument for that specific analysis. If one or more compounds have a response greater than the upper level of the calibration range (greater than the response of the highest ICAL standard in the SOM01.1 SOW), the sample or extract will be diluted and reanalyzed. All such compounds with a response greater than the upper level of the calibration range (with responses greater than the response of the highest ICAL standard in the SOM01.1 SOW) will have the concentration (result in the SOM01.1 SOW) flagged with an E on Form I for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration (response in the SOM01.1 SOW) of an analyte exceeds the upper calibration range (exceeds the response of the highest ICAL standard in the SOM01.1 SOW), the DL suffix is appended to the sample number on the Form I for the more diluted sample, and **all** reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.

NOTE 1: The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.

NOTE 2: Separate Forms I are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses <u>are not combined</u> on a single Form I.

A: This flag indicates that a TIC is a suspected aldol-condensation product.

S: In the SOM01.1 SOW, this flag is used to indicate an estimated value for Aroclor target compounds where a valid 5-point initial calibration was not performed prior to the analytes detection in a sample. If an "S" flag is used for a specific Aroclor, then a reanalysis of the sample is required after a valid 5-point calibration is performed for the detected Aroclor.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y, and Z.

B. Chains-of-Custody

The laboratory shall include a copy of the Chain-of-Custody (CoC) documentation for all of the samples in the SDG. The CoC documents shall be arranged in increasing Client Sample ID number order, considering both letters and numbers.

24783

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CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page 1 of 2

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: VA BEACH State: VA Zip: 23462
Project Contact: REBEKHA SHAW
Phone #: 757-671-6279
Sampler's Name: K ROGERS/RDU

Project Information

Project Name: CTO-94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Matrix
GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

Columbia Analytical Ref. (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Tot Metals 6010B (Share 2oz)	Tot Chromium 6010B	Chrom. VI 7196A	SIM PAH 8270 C (Share 80z.)	TIC Pest. 8081A	Grain Size ASTM D422 (1-8oz.)			Grain Size	Comments (Lab Use)
1005134-06	BBG-SS33-0-1-10B	5.17	1150	SO	3								X	X	X	X	X			1005211-08	
-07	BBG-SB33-5-10B	5.17	1200	SO	3								X	X	X	X	X			-09	
-08	BBG-SB31-5-6-10B	5.17	1240	SO	3								X	X	X	X	X			-10	
-09	BBG-SS31-0-1-10B	5.17	1225	SO	3								X	X	X	X	X			-11	
1005138-01	BBG-SB73-9-10-10B	5.17	1500	SO	3							X		X	X	X	X		✓	-12	
-01	BBG-SB73-9-10-10B-MS	5.17	1500	SO	2							X		X	X	X					
-01	BBG-SB73-9-10-10B-SD	5.17	1500	SO	2							X		X	X	X					
1005134-10	BBG-SS32-0-1-10B	5.18	1100	SO	3								X	X	X	X	X			1005211-13	
-11	BBG-SS32D-0-1-10B	5-18	1105	SO	3								X	X	X	X	X (2nd)				
-12	BBG-SB32-2.5-3.5-10B	5.18	1110	SO	3								X	X	X	X	X			1005211-14	

Lab Use Only

Sample Unpacked By: K Manning
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Sample Custody

Relinquished by:	Date/Time: 5.18.10 1420	Received by: K Manning	Date/Time: 5.19.10 0905
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontract? (Y) or N If yes, where? Grain size to CT Labs
Custody Seal(s) intact? (Y) or N
On Ice? (Y) or N
Cooler Temp: 4.3 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

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CHAIN OF CUSTODY

Page ____ of ____

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501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information
Company Name: CH2M HILL	Project Name: CTO 94
Address: 5700 Cleveland St, 101	Sampling Location: MCB CAMP LEJEUNE
City: VA BEACH State: VA Zip: 23462	Turnaround time: PER Contract
Project Contact: Rebekkha Shaw	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 757-671-6279	Are aqueous samples field filtered for metals? Y or (N)
Sampler's Name: K. ROGERS	Are high concentrations expected? Y or (N) If yes, which ID(s)?

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No. (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Requested Analysis: Metals 6010B (Share 1-20z.)	Tot Cr 6010B	Cr VI 7196A	PAH 8270C (Share 1-80z. KM 5.21.10)	TCL Pest 8081A	Grain Size ASTM D422 (1-80z.)		Grain Size	Sample Int.
1005133-14	BBG-SS88-0-1-10B	5.19	0910	SO	3							X		X	X	X	X		1005210-09	
-15	BBG-SB88-2.5-3.5-10B	5.19	0925	SO	3							X		X	X	X	X			-10
-16	BBG-SS76-0-1-10B	5.19	0955	SO	3							X		X	X	X	X			-11
-17	BBG-SB76-6-7-10B	5.19	1045	SO	3							X		X	X	X	X			-12
-18	BBG-SS87-0-1-10B	5.19	1145	SO	3							X		X	X	X	X			-13
-19	BBG-SB87-3-4-10B	5.19	1155	SO	3							X		X	X	X	X			-14
1005134-15	BBG-SS12-0-1-10B	5.19	1245	SO	3								X	X	X	X	X			-15
-16	BBG-SB12-2-3-10B	5.19	1255	SO	3								X	X	X	X	X			-16
1005157-02	BBG-SS51-0-1-10B	5.19	1630	SO	3							X		X	X	X	X		✓	-17
-03	BBG-SS51D-0-1-10B	5.19	1635	SO	2							X		X	X	X			—	

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Remarks

Sample Custody

Relinquished by:	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5.21.10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? (Y) or N If yes, where? Grain size to CT LABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 3.9 °C

Samples stored 60 days after date report mailed at no extra charge.

KM 5.21.10 - Client Delivery

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SN0015

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CHAIN OF CUSTODY

Page ____ of ____

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501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: Va Beach State: VA Zip: 23462
Project Contact: REBEKAH SHAW
Phone #: 757-671-6279
Sampler's Name: K. ROGERS

Project Information

Project Name: CTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Matrices

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

Lab Sample No. (Lab Use Only)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Required Analysis (include selected Method No.): Metals 6010B (Shane 1-2082)	tot Cr 6010B	Cr VI 7196A	SIM PAH 8270C (Shane 1-8082)	DCL PEST 8081A	Grain Size ASTM D422		Grain size	Lab Sample No. (Lab Use Only)
1005157-04	BBG-SS90-0-1-10B	5.19	1455	SO	3							X		X	X	X	X		1005212-18	
-05	BBG-SB90-2-3-10B	5.19	1500	SO	3							X		X	X	X	X		√ -19	
1005134-17	BBG-SS44-0-1-10B	5.20	0810	SO	3								X	X	X	X	X		√ -20	
1005134-18	BBG-SB44-5-6-10B	5.20	0825	SO	3								X	X	X	X	X		1005213-01	
	BBG-SB44-5-6-10B-MS	5.20	0825	SO	3								X	X	X	X			—	
	BBG-SB44-5-6-10B-SD	5.20	0825	SO	3								X	X	X	X			—	
1005133-20	BBG-SS68-0-1-10B	5.20	0935 0930	SO	3							X		X	X	X	X		1005213-02	
1005134-19	BBG-SS43-0-1-10B	5.20	1035	SO	3								X	X	X	X	X		√ -03	
-20	BBG-SB43-3-4-10B	5.20	1045	SO	3								X	X	X	X	X		√ -04	

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (N/A)
625 & Phenol samples checked for chlorine? Y or (N/A)
608 samples checked for pH between 5.0-9.0? Y or (N/A)

Comments

Sample Custody

Relinquished by:	Date/Time:	Received by:	Date/Time:
	5.21.10 1600	K. Manning	5.21.10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? (Y) or N If yes, where? Grain size to CT LABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 3.1 °C

Samples stored 60 days after date report mailed at no extra charge.

Client Delivery - KM 5/21/10

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CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St Ste 107
City: Va Beach State: VA Zip: 23462
Project Contact: Rebekha Shaw
Phone #: 757-671-6279
Sampler's Name: K. Rogers

Project Information

Project Name: CTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N)? If yes, which ID(s)?

Matrices

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

Requested Analysis (include method and bottle no.)

Sample Number (Data Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B	Tot Cr 6010B	Cr VI 7196A	SIM PAH 8270C (Share 1-80z.)	TCL PEST 8081A (1-80z.)	Grain Size ASTMD422 (Share 1-20z.)		Gran size
1005157-05	BBG-SS70-0-1-10B	5.20	1200	SO	3							X		X	X	X	X		1005213-05
-06	BBG-SB70-1-2-10B	5.20	1210	SO	3							X		X	X	X	X		-06
1005180-01	BBG-SS41-0-1-10B	5.20	1520	SO	3								X	X	X	X	X		-07
	~~BBG-SB41-1-2-10B~~	~~5.20~~	~~125~~	~~SO~~															
1005180-02	BBG-SB41-1-2-10B	5.20	1525	SO	3								X	X	X	X	X		1005213-08
1005157-08	BBG-SS69-0-1-10B	5.20	1610	SO	3							X		X	X	X	X		-09
-09	BBG-SB69-2-3-10B	5.20	1620	SO	3							X		X	X	X	X		-10
-10	BBG-SB69-1-2-10B	5.20	1820	SO	3							X		X	X	X	X		-11
-11	BBG-SB65-1-2-10B	5.20	1745	SO	3							X		X	X	X	X		-12
-12	BBG-SS64-0-1-10B	5.20	1815	SO	3							X		X	X	X	X		-13

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (N/A)
625 & Phenol samples checked for chlorine? Y or (N/A)
608 samples checked for pH between 5.0-9.0? Y or (N/A)

Comments

Sample Custody

Relinquished by:	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5-21-10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:
Subcontract? Y or (N) If yes, where? Gran size to CT LABS	Custody Seal(s) intact? Y or (N)	On Ice? (Y) or N	Cooler Temp: 0.3 °C

Samples stored 60 days after date report mailed at no extra charge.

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SUBMITTED

24789

Page 1 of 1

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CHAIN OF CUSTODY

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501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information
Company Name: CH2M HILL	Project Name: CTO 94
Address: 5700 Cleveland St, 101	Sampling Location: MCB CAMP LEJEUNE
City: Va Beach State: VA Zip: 23462	Turnaround time: PER CONTRACT
Project Contact: Rebekha Shaw	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 757-671-6279	Are aqueous samples field filtered for metals? Y or (N)
Sampler's Name: K. ROGERS	Are high concentrations expected? Y or (N)? If yes, which ID(s)?

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

Comments/Special Instructions (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Requested Analyses: 6010B metals (Shaw 202)	tot cr 6010B	Cr VI 7196A	SIM PAH 8270C (Shaw 802)	TCL PEST 8081A	TCL Grain Size ASTM D422 (1-802)	Gram size	Lab Sample ID (Lab Use)
1005180-03	BBG-SS35-0-1-10B	5.20	1650	SO	3								X	X	X	X	X		1005213-14
1005157-13	BBG-SS66-0-1-10B	5.20	1720	SO	3							X		X	X	X	X		-15
↓ -14	BBG-SS65-0-1-10B	5.20	1740	SO	3							X		X	X	X	X		-16
1005180-04	BBG-SB35-2-3-10B	5.20	1700	SO	3								X	X	X	X	X		-17
1005157-15	BBG-SS82-0-1-10B	5.20	0825	SO	3							X	X	X	X	X	X	↓	-18
-16	BBG-SS82D-0-1-10B	5.21	0830	SO	2							X	X	X	X	X			
-17	BBG-SB82-2-3-10B	5.21	0840	SO	3							X		X	X	X	X	1005213-19	
↓ -18	BBG-SB82D-2-3-10B	5.21	0845	SO	2							X		X	X	X			

Lab Use Only

Sample Unpacked By: K Manning
Sample Order Entry By: Patty Doty
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments:

Sample Custody

Relinquished by:	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5.21.10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? (Y) or N If yes, where? Gram size to CT LABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 1.3 °C

Samples stored 60 days after date report mailed at no extra charge.

KM 5.21.10 - Client Delivery

White & Yellow copy to lab • Pink copy for customer SN0015

1005157

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005157** **CASE:**	**Status:**	**Reported**

Report To:
CH2M HILL, INC.
REBEKHA SHAW
5700 CLEVELAND STREET, SUITE 101
VIRGINIA BEACH, VA 23462
Phone: 757-671-8311
Fax: -

Invoice To:
CH2M HILL, INC.
ACCOUNTS PAYABLE
P.O. BOX 241329
DENVER, CO 80224
Phone :757-671-8311
Fax: -

Date Due: 06/10/2010 00:00 (20 day TAT)

Received By: Cathy Dover — Date Received: 05/21/2010 16:00

Logged In By: Cathy Dover — Date Logged In: 05/20/2010 11:35

J & B Flags?: **YES**	TICS?:**NO**	Deliverable: **Style 9 PQL/MDL Forms**	EDD : **30) CH2 SNEDD**
Metals ND to? **RL/CRQL**	Spike Level: **FULL Spike**		

DOD CRITERIA*USE 1005157-01 FOR QC*SIM 8270C=PAH.SUB*PEST 8081A*TAL METALS*HEXAVALENT Cr 7196A + Cr+3 REPORTED ON FORMS & EDD

Analysis	Due	TAT	Expires	Received	Comments
1005157-01 SB73-9-10 [Soil] Sampled 05/17/2010 15:00 Eastern					**USE FOR QC**
GC-8081A/PEST	06/10/2010 16:00	20	05/31/2010 15:00	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/13/2010 15:00	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/31/2010 15:00	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/13/2010 15:00	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/13/2010 15:00	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/14/2010 15:00	05/19/2010 09:05	
1005157-02 SS51-0-1 [Soil] Sampled 05/19/2010 16:30 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 16:30	05/21/2010 16:05	
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 16:30	05/21/2010 16:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 16:30	05/21/2010 16:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 16:30	05/21/2010 16:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 16:30	05/21/2010 16:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 16:30	05/21/2010 16:05	

1005157

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005157** **CASE:**	**Status:**	**Reported**

Analysis	Due	TAT	Expires	Comments
1005157-03 SS51D-0-1 [Soil] Sampled 05/19/2010 16:35 Eastern				
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 16:35	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 16:35	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 16:35	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 16:35	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 16:35	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 16:35	05/21/2010 16:05
1005157-04 SS90-0-1 [Soil] Sampled 05/19/2010 14:55 Eastern				
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 14:55	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 14:55	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 14:55	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 14:55	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 14:55	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 14:55	05/21/2010 16:05
1005157-05 SB90-2-3 [Soil] Sampled 05/19/2010 15:00 Eastern				
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 15:00	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 15:00	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 15:00	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 15:00	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 15:00	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 15:00	05/21/2010 16:05
1005157-06 SS70-0-1 [Soil] Sampled 05/20/2010 12:00 Eastern				
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 12:00	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 12:00	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 12:00	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 12:00	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 12:00	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 12:00	05/21/2010 16:05

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COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005157** **CASE:**	**Status:**	**Reported**

Analysis	Due	TAT	Expires	Comments
1005157-07 SB70-1-2 [Soil] Sampled 05/20/2010 12:10 Eastern				
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 12:10	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 12:10	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 12:10	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 12:10	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 12:10	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 12:10	05/21/2010 16:05
1005157-08 SS69-0-1 [Soil] Sampled 05/20/2010 16:10 Eastern				
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 16:10	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 16:10	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 16:10	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 16:10	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 16:10	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 16:10	05/21/2010 16:05
1005157-09 SB69-2-3 [Soil] Sampled 05/20/2010 16:20 Eastern				
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 16:20	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 16:20	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 16:20	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 16:20	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 16:20	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 16:20	05/21/2010 16:05
1005157-10 SB64-1-2 [Soil] Sampled 05/20/2010 18:20 Eastern				
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 18:20	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 18:20	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 18:20	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 18:20	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 18:20	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 18:20	05/21/2010 16:05

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COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005157** **CASE:**	**Status:**	**Reported**

Analysis	Due	TAT	Expires	Comments
1005157-11 SB65-1-2 [Soil] Sampled 05/20/2010 17:45 Eastern				
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 17:45	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 17:45	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 17:45	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 17:45	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 17:45	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 17:45	05/21/2010 16:05
1005157-12 SS64-0-1 [Soil] Sampled 05/20/2010 18:15 Eastern				
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 18:15	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 18:15	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 18:15	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 18:15	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 18:15	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 18:15	05/21/2010 16:05
1005157-13 SS66-0-1 [Soil] Sampled 05/20/2010 17:20 Eastern				
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 17:20	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 17:20	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 17:20	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 17:20	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 17:20	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 17:20	05/21/2010 16:05
1005157-14 SS65-0-1 [Soil] Sampled 05/20/2010 17:40 Eastern				
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 17:40	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 17:40	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 17:40	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 17:40	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 17:40	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 17:40	05/21/2010 16:05

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COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005157** **CASE:**	**Status:**	**Reported**

Analysis	Due	TAT	Expires	Comments
1005157-15 SS82-0-1 [Soil] Sampled 05/21/2010 08:25 Eastern				
6010B METALS TAL	06/10/2010 16:00	20	11/17/2010 08:25	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/04/2010 08:25	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/17/2010 08:25	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/17/2010 08:25	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/04/2010 08:25	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/18/2010 08:25	05/21/2010 16:05
1005157-16 SS82D-0-1 [Soil] Sampled 05/21/2010 08:30 Eastern				
Solids, Dry Weight	06/03/2010 16:00	13	11/17/2010 08:30	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/04/2010 08:30	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/17/2010 08:30	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/04/2010 08:30	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/18/2010 08:30	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/17/2010 08:30	05/21/2010 16:05
1005157-17 SB82-2-3 [Soil] Sampled 05/21/2010 08:40 Eastern				
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/17/2010 08:40	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/17/2010 08:40	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/04/2010 08:40	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/17/2010 08:40	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/18/2010 08:40	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/04/2010 08:40	05/21/2010 16:05
1005157-18 SB82D-2-3 [Soil] Sampled 05/21/2010 08:45 Eastern				
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/04/2010 08:45	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/18/2010 08:45	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/04/2010 08:45	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/17/2010 08:45	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/17/2010 08:45	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/17/2010 08:45	05/21/2010 16:05

Analysis groups included in this work order

TRIVALENT CHROMIUM Cr3 7196A

Total Cr by Metals HEXAVALENT CHROMI

CompuChem
A Division Of
Liberty Analytical Corp.

Sample ID Cross Reference

LAB WO	Project	Sample #	Field ID	Sample Date	Rec Date	DueDate	Chain of Custody ID
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-01	SB73-9-10	05/17/2010	05/19/2010	06/03/2010	BBG-SB73-9-10-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-01	SB73-9-10	05/17/2010	05/19/2010	06/10/2010	BBG-SB73-9-10-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-02	SS51-0-1	05/19/2010	05/21/2010	06/03/2010	BBG-SS51-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-02	SS51-0-1	05/19/2010	05/21/2010	06/10/2010	BBG-SS51-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-03	SS51D-0-1	05/19/2010	05/21/2010	06/03/2010	BBG-SS51D-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-03	SS51D-0-1	05/19/2010	05/21/2010	06/10/2010	BBG-SS51D-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-04	SS90-0-1	05/19/2010	05/21/2010	06/03/2010	BBG-SS90-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-04	SS90-0-1	05/19/2010	05/21/2010	06/10/2010	BBG-SS90-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-05	SB90-2-3	05/19/2010	05/21/2010	06/03/2010	BBG-SB90-2-3-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-05	SB90-2-3	05/19/2010	05/21/2010	06/10/2010	BBG-SB90-2-3-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-06	SS70-0-1	05/20/2010	05/21/2010	06/03/2010	BBG-SS70-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-06	SS70-0-1	05/20/2010	05/21/2010	06/10/2010	BBG-SS70-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-07	SB70-1-2	05/20/2010	05/21/2010	06/03/2010	BBG-SB70-1-2-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-07	SB70-1-2	05/20/2010	05/21/2010	06/10/2010	BBG-SB70-1-2-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-08	SS69-0-1	05/20/2010	05/21/2010	06/03/2010	BBG-SS69-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-08	SS69-0-1	05/20/2010	05/21/2010	06/10/2010	BBG-SS69-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-09	SB69-2-3	05/20/2010	05/21/2010	06/03/2010	BBG-SB69-2-3-10B

LAB WO	Project	Sample #	Field ID	Sample Date	Rec Date	DueDate	Chain of Custody ID
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-09	SB69-2-3	05/20/2010	05/21/2010	06/10/2010	BBG-SB69-2-3-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-10	SB64-1-2	05/20/2010	05/21/2010	06/03/2010	BBG-SB64-1-2-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-10	SB64-1-2	05/20/2010	05/21/2010	06/10/2010	BBG-SB64-1-2-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-11	SB65-1-2	05/20/2010	05/21/2010	06/03/2010	BBG-SB65-1-2-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-11	SB65-1-2	05/20/2010	05/21/2010	06/10/2010	BBG-SB65-1-2-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-12	SS64-0-1	05/20/2010	05/21/2010	06/03/2010	BBG-SS64-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-12	SS64-0-1	05/20/2010	05/21/2010	06/10/2010	BBG-SS64-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-13	SS66-0-1	05/20/2010	05/21/2010	06/03/2010	BBG-SS66-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-13	SS66-0-1	05/20/2010	05/21/2010	06/10/2010	BBG-SS66-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-14	SS65-0-1	05/20/2010	05/21/2010	06/03/2010	BBG-SS65-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-14	SS65-0-1	05/20/2010	05/21/2010	06/10/2010	BBG-SS65-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-15	SS82-0-1	05/21/2010	05/21/2010	06/03/2010	BBG-SS82-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-15	SS82-0-1	05/21/2010	05/21/2010	06/10/2010	BBG-SS82-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-16	SS82D-0-1	05/21/2010	05/21/2010	06/03/2010	BBG-SS82D-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-16	SS82D-0-1	05/21/2010	05/21/2010	06/10/2010	BBG-SS82D-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-17	SB82-2-3	05/21/2010	05/21/2010	06/03/2010	BBG-SB82-2-3-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-17	SB82-2-3	05/21/2010	05/21/2010	06/10/2010	BBG-SB82-2-3-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-18	SB82D-2-3	05/21/2010	05/21/2010	06/03/2010	BBG-SB82D-2-3-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-18	SB82D-2-3	05/21/2010	05/21/2010	06/10/2010	BBG-SB82D-2-3-10B

Client: CH2M HILL, INC.

Work Order 1005157

Sdg: DRAFT 1005157

Sample Summary

Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM

Case:

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Lab Number	Client Id	Sampled	Recieved	Extracted	Initial	Extract	Final	Spike	%Moist	PH	Batch	Analysis
1005157-01	DRAFT: SB73-9-10	5/17/10	5/19/10	5/26/10	10	1.34	10		20		0052608	Solids, Dry Weight
1005157-02	DRAFT: SS51-0-1	5/19/10	5/21/10	5/26/10	10	1.33	10		28		0052608	Solids, Dry Weight
1005157-03	DRAFT: SS51D-0-1	5/19/10	5/21/10	5/26/10	10	1.33	10		23		0052608	Solids, Dry Weight
1005157-04	DRAFT: SS90-0-1	5/19/10	5/21/10	5/26/10	10	1.28	10		5		0052608	Solids, Dry Weight
1005157-05	DRAFT: SB90-2-3	5/19/10	5/21/10	5/26/10	10	1.29	10		16		0052608	Solids, Dry Weight
1005157-06	DRAFT: SS70-0-1	5/20/10	5/21/10	5/26/10	10	1.33	10		2		0052608	Solids, Dry Weight
1005157-07	DRAFT: SB70-1-2	5/20/10	5/21/10	5/26/10	10	1.33	10		11		0052608	Solids, Dry Weight
1005157-08	DRAFT: SS69-0-1	5/20/10	5/21/10	5/26/10	10	1.33	10		14		0052608	Solids, Dry Weight
1005157-09	DRAFT: SB69-2-3	5/20/10	5/21/10	5/26/10	10	1.32	10		18		0052608	Solids, Dry Weight
1005157-10	DRAFT: SB64-1-2	5/20/10	5/21/10	5/26/10	10	1.31	10		13		0052608	Solids, Dry Weight
1005157-11	DRAFT: SB65-1-2	5/20/10	5/21/10	5/26/10	10	1.33	10		20		0052608	Solids, Dry Weight
1005157-12	DRAFT: SS64-0-1	5/20/10	5/21/10	5/26/10	10	1.32	10		9		0052608	Solids, Dry Weight
1005157-13	DRAFT: SS66-0-1	5/20/10	5/21/10	5/26/10	10	1.34	10		50		0052608	Solids, Dry Weight
1005157-14	DRAFT: SS65-0-1	5/20/10	5/21/10	5/26/10	10	1.31	10		14		0052608	Solids, Dry Weight
1005157-15	DRAFT: SS82-0-1	5/21/10	5/21/10	5/26/10	10	1.32	10		3		0052608	Solids, Dry Weight
1005157-16	DRAFT: SS82D-0-1	5/21/10	5/21/10	5/26/10	10	1.34	10		3		0052608	Solids, Dry Weight
1005157-17	DRAFT: SB82-2-3	5/21/10	5/21/10	5/26/10	10	1.34	10		14		0052608	Solids, Dry Weight
1005157-18	DRAFT: SB82D-2-3	5/21/10	5/21/10	5/26/10	10	1.33	10		14		0052608	Solids, Dry Weight

CompuChem, a Division of Liberty Analytical Corp.

EXTRACT COC

DEPT: EXTR 5-26-2 **DATE:** 5-26-10

BATCH: 0052604

	COMPUCHEM NUMBER	CLIENT SAMPLE ID	PARAMETER	
1	0052604-BLK1	SBLKCU		
2	0052604-BS1	SCULCS		
3	0052604-MS1	~~SS73-9-10MS~~ SB73-9-10MS	SIM 0710710	
4	0052604-MSD1	~~SS73-9-10MSD~~ SB73-9-10MSD		
5	1005157-01	~~SS73-9-10~~ SB73-9-10		
6	1005157-02	SS51-0-1		
7	1005157-03	SS51D-0-1		
8	1005157-04	SS90-0-1		
9	1005157-05	SB90-2-3		
10	1005157-06	SS70-0-1		
11	1005157-07	SB70-1-2		
12	1005157-08	SS69-0-1		
13	1005157-09	SB69-2-3		
14	1005157-10	SB64-1-2		
15	1005157-11	SB65-1-2		
16	1005157-12	SS64-0-1		
17	1005157-13	SS66-0-1		
18	1005157-14	SS65-0-1		
19	1005157-15	SS82-0-1		
20	1005157-16	SS82D-0-1		
21	1005157-17	SB82-2-3		
22	1005157-18	SB82D-2-3		
23				
24				
25				
26				
27				
28				

RELINQUISHED BY	DATE/TIME	REC. BY	REASON
T. WILLIAM	5-26-10 2445	GC REFRIG. #3	STORAGE
Gcms #3	7-2-10 240	B	Analysis
B	7-2-10 350	Gcms #3	Storage

Rev. 7/28/03:dce

C. SDG Data

1. QC Summary
2. Sample Data
3. Standards Data
4. Raw QC Data

LAB CODE: LIBRTY METHOD: 8270C

SDG # : 1005157

1. QC Summary

a. Surrogate Percent Recovery Summary (Form II SV)

b. Spike Summary - MS / MSD / LCS
(Form III SV)

c. Method Blank Summary (Form IV SV)

d. Internal Standard Area and RT Summary
(Form VIII SV)

a. Surrogate Percent Recovery Summary

(Form II SV)

FORM 2
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Level:(low/med) LOW

	CLIENT SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	SBLKCU	61	58	90						0
02	SCULCS	39	35*	90						1
03	SB73-9-10	59	55	101						0
04	SB73-9-10MS	61	59	101						0
05	SB73-9-10MSD	56	53	88						0
06	SS51-0-1	62	78	104						0
07	SS51D-0-1	57	64	98						0
08	SS90-0-1	65	66	99						0
09	SB90-2-3	71	67	104						0
10	SS70-0-1	66	71	102						0
11	SB70-1-2	55	59	102						0
12	SS69-0-1	71	82	106						0
13	SB69-2-3	61	55	103						0
14	SB64-1-2	73	72	103						0
15	SB65-1-2	46	57	100						0
16	SS64-0-1	66	78	105						0
17	SS66-0-1	49	56	95						0
18	SS65-0-1	60	68	111						0
19	SS82-0-1	63	64	103						0
20	SS82D-0-1	68	72	98						0
21	SB82-2-3	68	63	99						0
22	SB82D-2-3	57	54	88						0
23										
24										
25										
26										
27										
28										

	QC LIMITS
S1 (NBZ) = Nitrobenzene-d5	(35-100)
S2 (FBP) = 2-Fluorobiphenyl	(45-105)
S3 (TPH) = Terphenyl-d14	(30-125)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

b. Spike Summary - MS / MSD / LCS
(Form III SV)

FORM 3
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix Spike - Sample No.: SB73-9-10 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Naphthalene	20.83	0	10.99	53	40-105
2-Methylnaphthalene	20.83	0	10.97	53	45-105
Acenaphthylene	20.83	0	13.46	65	50-105
Acenaphthene	20.83	0	12.53	60	45-110
Fluorene	20.83	0	13.6	65	50-110
Phenanthrene	20.83	0	15.15	73	50-110
Anthracene	20.83	0	20.18	97	55-105
Fluoranthene	20.83	0	19.58	94	55-115
Pyrene	20.83	0	19.22	92	45-125
Benzo(a)anthracene	20.83	0	20.09	96	50-110
Chrysene	20.83	0	19.04	91	55-110
Benzo(b)fluoranthene	20.83	0	17.39	83	45-115
Benzo(k)fluoranthene	20.83	0	19.94	96	45-125
Benzo(a)pyrene	20.83	0	17.99	86	50-110
Indeno(1,2,3-cd)pyrene	20.83	0	18.8	90	40-125
Dibenzo(a,h)anthracene	20.83	0	17.55	84	40-125
Benzo(g,h,i)perylene	20.83	0	15.55	75	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix Spike - Sample No.: SB73-9-10 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Naphthalene	20.83	10.45	50	5	30	40-105
2-Methylnaphthalene	20.83	10.3	49	6	30	45-105
Acenaphthylene	20.83	12.55	60	7	30	50-105
Acenaphthene	20.83	11.74	56	6	30	45-110
Fluorene	20.83	13.18	63	3	30	50-110
Phenanthrene	20.83	14.14	68	7	30	50-110
Anthracene	20.83	19.18	92	5	30	55-105
Fluoranthene	20.83	18.81	90	4	30	55-115
Pyrene	20.83	17.47	84	10	30	45-125
Benzo(a)anthracene	20.83	18.94	91	6	30	50-110
Chrysene	20.83	18.56	89	2	30	55-110
Benzo(b)fluoranthene	20.83	15.73	76	10	30	45-115
Benzo(k)fluoranthene	20.83	18.2	87	9	30	45-125
Benzo(a)pyrene	20.83	16.96	81	6	30	50-110
Indeno(1,2,3-cd)pyrene	20.83	19.23	92	2	30	40-125
Dibenzo(a,h)anthracene	20.83	17.36	83	1	30	40-125
Benzo(g,h,i)perylene	20.83	15.65	75	1	30	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 17 outside limits
Spike Recovery: 0 out of 34 outside limits

COMMENTS: _____

3D
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

SCULCS

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Naphthalene	16.67	5.901	35*	40-105
2-Methylnaphthalene	16.67	6.106	37*	45-105
Acenaphthylene	16.67	6.048	36*	50-105
Acenaphthene	16.67	5.635	34*	45-110
Fluorene	16.67	6.238	37*	50-110
Phenanthrene	16.67	10.01	60	50-110
Anthracene	16.67	12.84	77	55-105
Fluoranthene	16.67	14.59	88	55-115
Pyrene	16.67	13.65	82	45-125
Benzo(a)anthracene	16.67	15.03	90	50-110
Chrysene	16.67	13.65	82	55-110
Benzo(b)fluoranthene	16.67	13.11	79	45-115
Benzo(k)fluoranthene	16.67	13.06	78	45-125
Benzo(a)pyrene	16.67	13.18	79	50-110
Indeno(1,2,3-cd)pyrene	16.67	14.04	84	40-125
Dibenzo(a,h)anthracene	16.67	11.64	70	40-125
Benzo(g,h,i)perylene	16.67	10.54	63	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

Spike Recovery: 5 out of 17 outside limits

COMMENTS: _____

c. Method Blank Summary (Form IV SV)

If more than a single form is necessary, forms shall be arranged in chronological order by date of analysis of the blanks and by instrument.

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

SBLKCU

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab File ID: 0052604-BLK1B70 Lab Sample ID: 0052604-BLK1

Instrument ID: 5972HP70 Date Extracted: 05/26/10

Matrix: (soil/water) SOIL Date Analyzed: 07/02/10

Level:(low/med) LOW Time Analyzed: 0421

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SCULCS	0052604-BS1	0052604-BS1B	07/02/10
02	SB73-9-10	1005157-01	1005157-01B7	07/02/10
03	SB73-9-10MS	0052604-MS1	0052604-MS1B	07/02/10
04	SB73-9-10MSD	0052604-MSD1	0052604-MSD1	07/02/10
05	SS51-0-1	1005157-02	1005157-02B7	07/02/10
06	SS51D-0-1	1005157-03	1005157-03B7	07/02/10
07	SS90-0-1	1005157-04	1005157-04B7	07/02/10
08	SB90-2-3	1005157-05	1005157-05B7	07/02/10
09	SS70-0-1	1005157-06	1005157-06B7	07/02/10
10	SB70-1-2	1005157-07	1005157-07A7	07/02/10
11	SS69-0-1	1005157-08	1005157-08A7	07/02/10
12	SB69-2-3	1005157-09	1005157-09A7	07/02/10
13	SB64-1-2	1005157-10	1005157-10A7	07/02/10
14	SB65-1-2	1005157-11	1005157-11A7	07/02/10
15	SS64-0-1	1005157-12	1005157-12A7	07/02/10
16	SS66-0-1	1005157-13	1005157-13A7	07/02/10
17	SS65-0-1	1005157-14	1005157-14A7	07/02/10
18	SS82-0-1	1005157-15	1005157-15A7	07/02/10
19	SS82D-0-1	1005157-16	1005157-16A7	07/02/10
20	SB82-2-3	1005157-17	1005157-17A7	07/02/10
21	SB82D-2-3	1005157-18	1005157-18A7	07/02/10
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

d. Internal Standard Area and RT Summary (Form VIII SV)

If more than a single form is necessary, forms shall be arranged in chronological order, by instrument.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab File ID (Standard): 0G01012-CCV1B70 Date Analyzed: 07/01/10

Instrument ID: 5972HP70 Time Analyzed: 2148

		IS1(CRY) AREA	#	RT	#	IS2(PRY) AREA	#	RT	#	IS3(DCB) AREA	#	RT	#
	12 HOUR STD	211544		19.50		196172		22.34		42728		4.85	
	UPPER LIMIT	423088		20.00		392344		22.84		85456		5.35	
	LOWER LIMIT	105772		19.00		98086		21.84		21364		4.35	
	CLIENT SAMPLE NO.												
01	SBLKCU	133684		19.50		119311		22.35		34937		4.85	
02	SCULCS	157007		19.49		140235		22.34		37367		4.84	
03	SB73-9-10	135353		19.49		120442		22.34		38586		4.85	
04	SB73-9-10MS	130071		19.50		112114		22.35		34254		4.85	
05	SB73-9-10MSD	137294		19.50		126509		22.34		34350		4.85	
06	SS51-0-1	140451		19.49		119368		22.34		41172		4.85	
07	SS51D-0-1	150371		19.49		144057		22.34		39229		4.85	
08	SS90-0-1	126739		19.49		114580		22.34		38185		4.84	
09	SB90-2-3	144808		19.51		127892		22.36		42205		4.85	
10	SS70-0-1	125674		19.50		113999		22.35		35348		4.85	
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab File ID (Standard): 0G01012-CCV1B70 Date Analyzed: 07/01/10

Instrument ID: 5972HP70 Time Analyzed: 2148

		IS4(NPT) AREA	#	RT	#	IS5(ANT) AREA	#	RT	#	IS6(PHN) AREA	#	RT	#
	12 HOUR STD	174563		7.16		120567		10.78		248062		13.87	
	UPPER LIMIT	349126		7.66		241134		11.28		496124		14.37	
	LOWER LIMIT	87281		6.66		60283		10.28		124031		13.37	
	CLIENT SAMPLE NO.												
01	SBLKCU	136107		7.15		82217		10.78		171596		13.87	
02	SCULCS	146603		7.14		91847		10.77		192246		13.86	
03	SB73-9-10	149867		7.14		89564		10.77		179591		13.86	
04	SB73-9-10MS	134317		7.15		79897		10.77		167425		13.86	
05	SB73-9-10MSD	130643		7.15		78862		10.77		166433		13.86	
06	SS51-0-1	159866		7.14		93198		10.77		188270		13.85	
07	SS51D-0-1	157039		7.15		96294		10.76		185481		13.85	
08	SS90-0-1	148400		7.15		87572		10.77		172527		13.86	
09	SB90-2-3	164684		7.15		98867		10.77		198417		13.87	
10	SS70-0-1	137711		7.15		80494		10.78		163155		13.87	
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab File ID (Standard): 0G02006-CCV1A70 Date Analyzed: 07/02/10

Instrument ID: 5972HP70 Time Analyzed: 1030

		IS1(CRY) AREA #	RT #	IS2(PRY) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	111435	19.52	109271	22.37	21727	4.84
	UPPER LIMIT	222870	20.02	218542	22.87	43454	5.34
	LOWER LIMIT	55717	19.02	54635	21.87	10863	4.34
	CLIENT SAMPLE NO.						
01	SB70-1-2	92467	19.51	78379	22.36	25886	4.84
02	SS69-0-1	106762	19.51	85827	22.36	37698	4.85
03	SB69-2-3	103403	19.51	90007	22.36	28348	4.85
04	SB64-1-2	98734	19.51	85749	22.37	30330	4.85
05	SB65-1-2	106576	19.51	95267	22.36	33194	4.85
06	SS64-0-1	110994	19.52	99545	22.36	32593	4.85
07	SS66-0-1	115254	19.51	101704	22.37	38974	4.86
08	SS65-0-1	88330	19.52	77829	22.37	24156	4.86
09	SS82-0-1	112574	19.51	100362	22.37	32613	4.86
10	SS82D-0-1	99165	19.52	88593	22.37	26941	4.86
11	SB82-2-3	159773	19.52	139378	22.38	40046	4.87
12	SB82D-2-3	134805	19.52	124978	22.38	31205	4.86
13							
14							
15							
16							
17							
18							
19							
20							

IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Lab File ID (Standard): 0G02006-CCV1A70 Date Analyzed: 07/02/10

Instrument ID: 5972HP70 Time Analyzed: 1030

		IS4(NPT) AREA	#	RT	#	IS5(ANT) AREA	#	RT	#	IS6(PHN) AREA	#	RT	#
	12 HOUR STD	98104		7.15		66515		10.79		136843		13.88	
	UPPER LIMIT	196208		7.65		133030		11.29		273686		14.38	
	LOWER LIMIT	49052		6.65		33257		10.29		68421		13.38	
	CLIENT SAMPLE NO.												
01	SB70-1-2	99339		7.15		60888		10.78		124983		13.88	
02	SS69-0-1	148213		7.15		83681		10.77		156329		13.86	
03	SB69-2-3	106838		7.15		65329		10.78		135875		13.88	
04	SB64-1-2	112003		7.15		63732		10.78		129157		13.88	
05	SB65-1-2	129073		7.14		75980		10.78		148778		13.87	
06	SS64-0-1	125715		7.15		69050		10.78		151592		13.87	
07	SS66-0-1	146492		7.16		84016		10.78		161087		13.87	
08	SS65-0-1	91023		7.16		54800		10.78		115062		13.88	
09	SS82-0-1	126042		7.16		74806		10.78		153684		13.88	
10	SS82D-0-1	103385		7.16		61816		10.78		126506		13.88	
11	SB82-2-3	160203		7.16		95993		10.78		198970		13.88	
12	SB82D-2-3	125620		7.16		77765		10.79		159712		13.89	
13													
14													
15													
16													
17													
18													
19													
20													

IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

2. Sample Data

Sample data shall be arranged in packets with the Organic Analysis Data Sheet (Form I SV), followed by the raw data for semivolatile samples. These sample packets shall be placed in increasing Client Sample ID number order, considering both letters and numbers.

a. Target Analyte Results (Form I SV)

Tabulated results (identification and quantitation) shall be included.

b. Chromatograms

Include for each sample or sample extract, including dilutions and reanalyses. The chromatogram shall contain the following header information: Client Sample ID number, date and time of analysis, GC/MS instrument identifier, lab file identifier, and analyst ID.

c. Quantitation Report showing calculations for target analytes

- Include a printout of the Enhanced Ion Current Profile (EICP) for all manual changes to the compounds, internal standard, and/or surrogate compound.

d. Copies of raw spectra and copies of background-subtracted mass spectra of target analytes identified in the sample.

- The spectra shall include the following information: Client Sample ID number, Lab file ID, date and time of analysis, and instrument ID.
- The compound name must be clearly marked.

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SB64-1-2

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005157-10
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005157-10A70
Analyst: OWS

% Moisture: 13 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

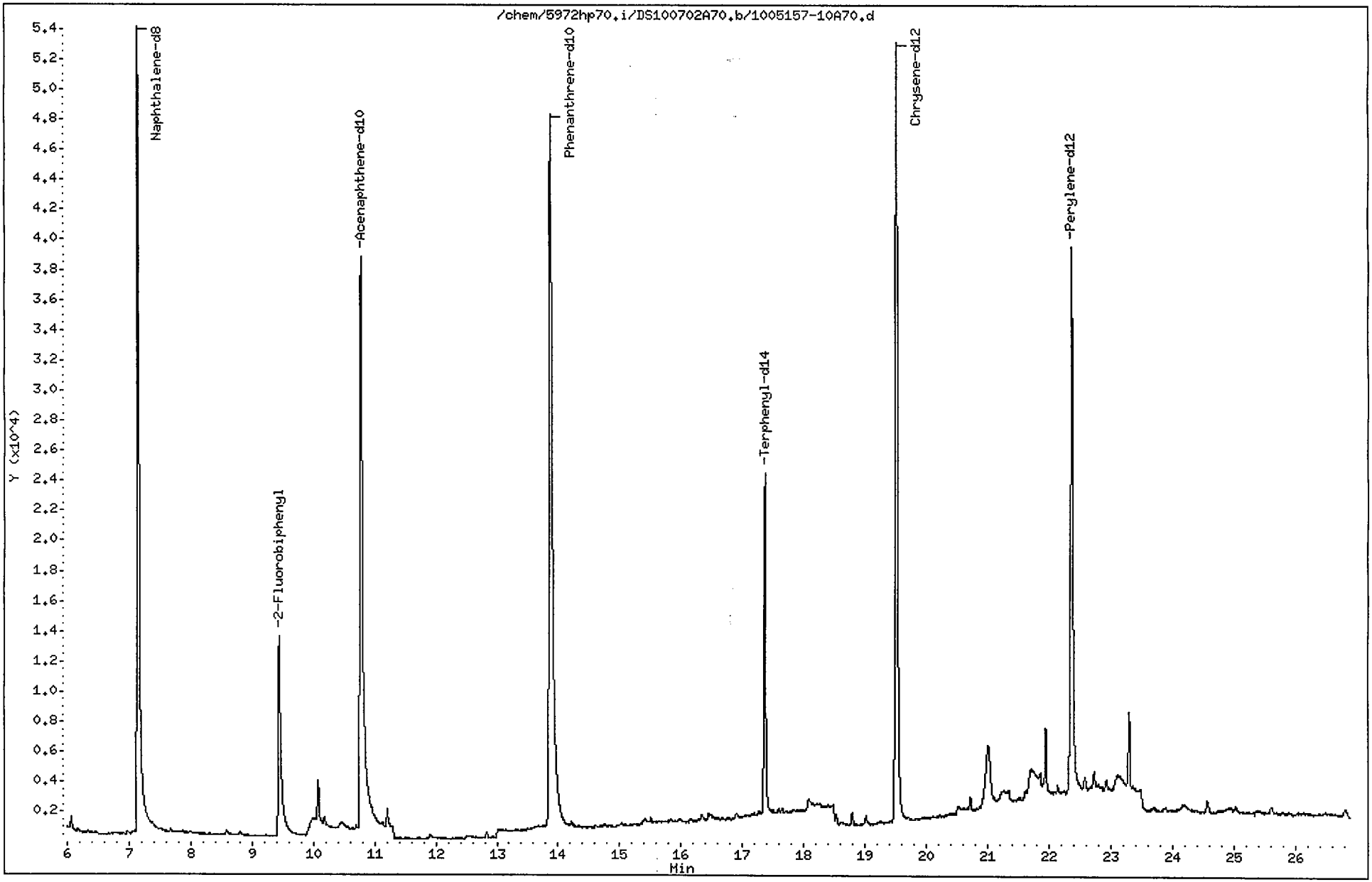
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.82	9.5	ND	U
91-57-6	2-Methylnaphthalene	0.79	9.5	ND	U
208-96-8	Acenaphthylene	0.61	9.5	ND	U
83-32-9	Acenaphthene	0.69	9.5	ND	U
86-73-7	Fluorene	0.52	9.5	ND	U
85-01-8	Phenanthrene	1.5	9.5	ND	U
120-12-7	Anthracene	0.50	9.5	ND	U
206-44-0	Fluoranthene	1.5	9.5	ND	U
129-00-0	Pyrene	0.65	9.5	ND	U
56-55-3	Benzo(a)anthracene	0.65	9.5	ND	U
218-01-9	Chrysene	0.73	9.5	ND	U
205-99-2	Benzo(b)fluoranthene	0.65	9.5	ND	U
207-08-9	Benzo(k)fluoranthene	0.50	9.5	ND	U
50-32-8	Benzo(a)pyrene	0.44	9.5	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.42	9.5	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.38	9.5	ND	U
191-24-2	Benzo(g,h,i)perylene	0.44	9.5	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100702A70.b/1005157-10A70.d
Date : 02-JUL-2010 12:52
Client ID: SB64-1-2
Sample Info: 1005157-10:MW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100702A70.b/1005157-10A70.d
Report Date: 06-Jul-2010 16:54

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100702A70.b/1005157-10A70.d
Lab Smp Id: 1005157-10 Client Smp ID: SB64-1-2
Inj Date : 02-JUL-2010 12:52
Operator : OWS Inst ID: 5972hp70.i
Smp Info : 1005157-10:MW
Misc Info : SB64-1-2
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100702A70.b/SIM_8270Cv3DOD.m
Meth Date : 06-Jul-2010 16:42 mead Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	13.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
* 1 1,4-Dichlorobenzene-d4	152	4.848	4.836	(1.000)	30330	2.00000		(a)
* 2 Naphthalene-d8	136	7.146	7.153	(1.000)	112003	2.00000		(a)
* 3 Acenaphthene-d10	164	10.777	10.790	(1.000)	63732	2.00000		(a)
* 4 Phenanthrene-d10	188	13.876	13.885	(1.000)	129157	2.00000		(a)
* 5 Chrysene-d12	240	19.510	19.516	(1.000)	98734	2.00000		(a)
* 6 Perylene-d12	264	22.366	22.366	(1.000)	85749	2.00000		(a)
$ 9 Nitrobenzene-d5	82	5.880	5.881	(0.823)	26396	0.72827	14	
$ 10 2-Fluorobiphenyl	172	9.442	9.468	(0.876)	31640	0.72035	14	
$ 12 Terphenyl-d14	244	17.363	17.371	(0.890)	36312	1.03320	20	
13 Naphthalene	128	Compound Not Detected.						
15 2-Methylnaphthalene	141	Compound Not Detected.						
17 Acenaphthylene	152	Compound Not Detected.						
18 Acenaphthene	154	Compound Not Detected.						

RW 7/6/10

Data File: /chem/5972hp70.i/DS100702A70.b/1005157-10A70.d
Report Date: 06-Jul-2010 16:54

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SB65-1-2

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005157-11
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005157-11A70
Analyst: OWS

% Moisture: 20 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

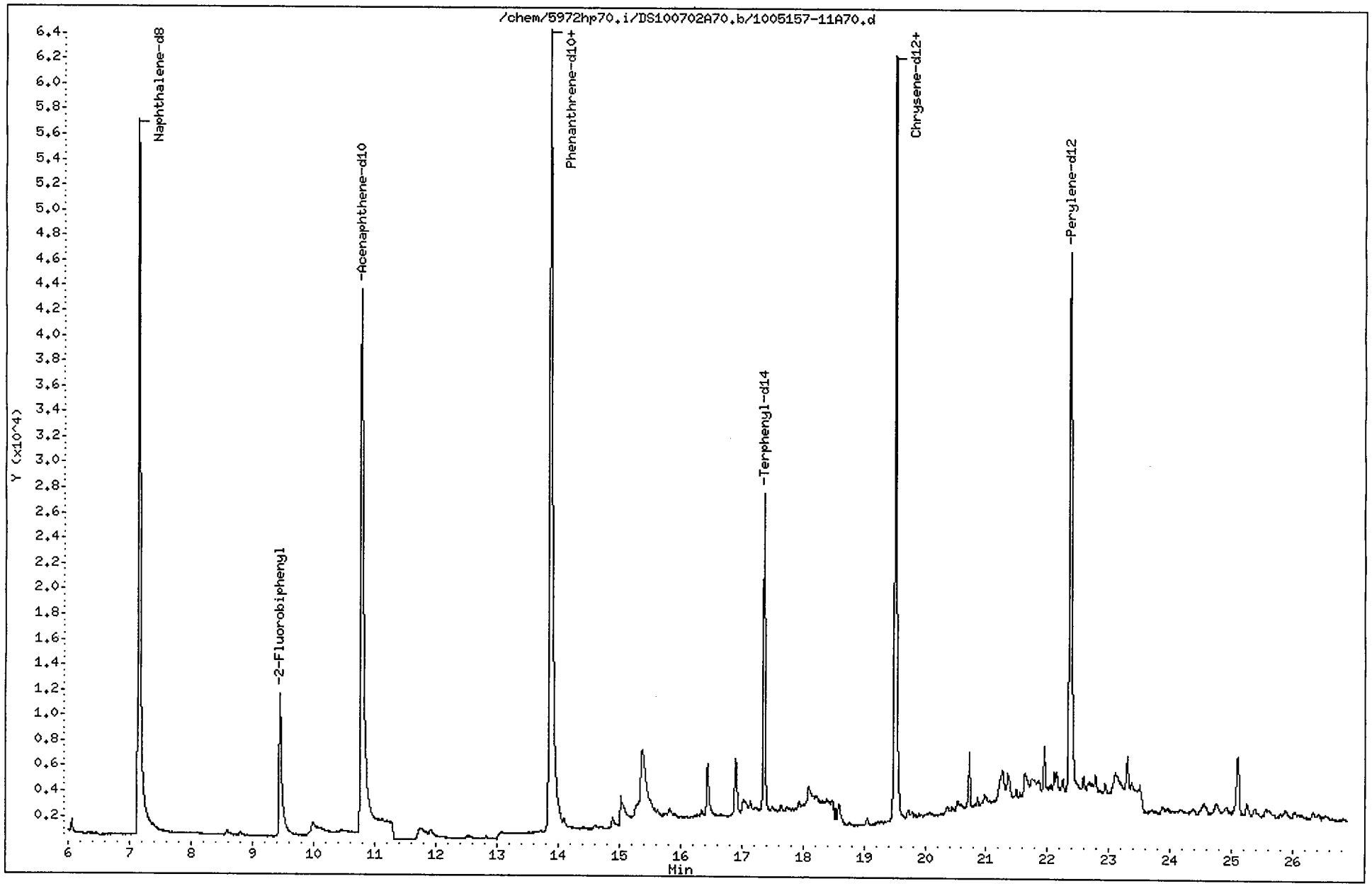
Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.90	10	ND	U
91-57-6	2-Methylnaphthalene	0.85	10	ND	U
208-96-8	Acenaphthylene	0.67	10	ND	U
83-32-9	Acenaphthene	0.75	10	ND	U
86-73-7	Fluorene	0.56	10	ND	U
85-01-8	Phenanthrene	1.6	10	1.9	J
120-12-7	Anthracene	0.54	10	ND	U
206-44-0	Fluoranthene	1.7	10	2.1	J
129-00-0	Pyrene	0.71	10	2.1	J
56-55-3	Benzo(a)anthracene	0.71	10	1.1	J
218-01-9	Chrysene	0.79	10	1.5	J
205-99-2	Benzo(b)fluoranthene	0.71	10	0.99	J
207-08-9	Benzo(k)fluoranthene	0.54	10	0.76	J
50-32-8	Benzo(a)pyrene	0.48	10	0.60	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.46	10	5.6	J
53-70-3	Dibenzo(a,h)anthracene	0.42	10	ND	U
191-24-2	Benzo(g,h,i)perylene	0.48	10	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp70.i/DS100702A70.b/1005157-11A70.d
Date : 02-JUL-2010 13:28
Client ID: SB65-1-2
Sample Info: 1005157-11:MW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100702A70.b/1005157-11A70.d
Report Date: 06-Jul-2010 16:54

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100702A70.b/1005157-11A70.d
Lab Smp Id: 1005157-11 Client Smp ID: SB65-1-2
Inj Date : 02-JUL-2010 13:28
Operator : OWS Inst ID: 5972hp70.i
Smp Info : 1005157-11:MW
Misc Info : SB65-1-2
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100702A70.b/SIM_8270Cv3DOD.m
Meth Date : 06-Jul-2010 16:42 mead Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	20.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	4.845	4.836	(1.000)	33194	2.00000	
* 2 Naphthalene-d8	136	7.145	7.153	(1.000)	129073	2.00000	
* 3 Acenaphthene-d10	164	10.776	10.790	(1.000)	75980	2.00000	
* 4 Phenanthrene-d10	188	13.873	13.885	(1.000)	148778	2.00000	
* 5 Chrysene-d12	240	19.510	19.516	(1.000)	106576	2.00000	
* 6 Perylene-d12	264	22.362	22.366	(1.000)	95267	2.00000	
$ 9 Nitrobenzene-d5	82	5.878	5.881	(0.823)	19084	0.45690	9.5
$ 10 2-Fluorobiphenyl	172	9.445	9.468	(0.877)	30084	0.57451	12
$ 12 Terphenyl-d14	244	17.363	17.371	(0.890)	37989	1.00138	21
13 Naphthalene	128	Compound Not Detected.					
15 2-Methylnaphthalene	141	Compound Not Detected.					
17 Acenaphthylene	152	Compound Not Detected.					
18 Acenaphthene	154	Compound Not Detected.					

RM 7/6/10

Data File: /chem/5972hp70.i/DS100702A70.b/1005157-11A70.d
Report Date: 06-Jul-2010 16:54

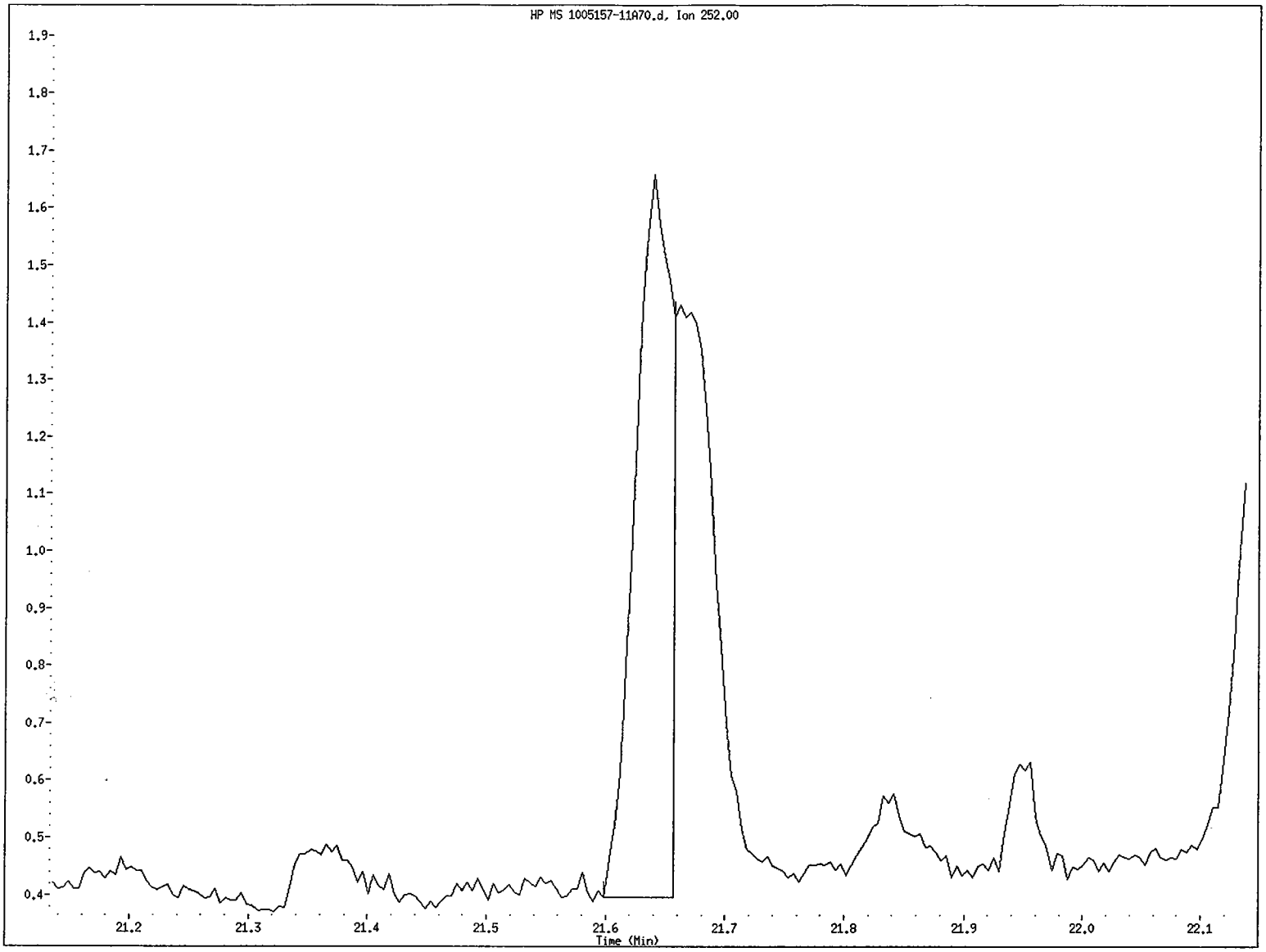
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	13.921	13.929	(1.003)	7362	0.09066	1.9(a)
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	16.450	16.458	(1.186)	7995	0.10027	2.1(a)
28 Pyrene	202	16.904	16.908	(0.866)	7729	0.10035	2.1(a)
29 Benzo(a)anthracene	228	19.475	19.481	(0.998)	2983	0.05316	1.1(a)
30 Chrysene	228	19.554	19.565	(1.002)	4663	0.06980	1.5(a)
31 Benzo(b)fluoranthene	252	21.639	21.638	(0.968)	2652	0.04757	0.99(aM)
32 Benzo(k)fluoranthene	252	21.661	21.682	(0.969)	2521	0.03656	0.76(aM)
33 Benzo(a)pyrene	252	22.238	22.242	(0.994)	1520	0.02886	0.60(aM)
34 Indeno(1,2,3-cd)pyrene	276	24.746	24.741	(1.107)	2132	0.26858	5.6(a)
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

2) Ben 7/6/10

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

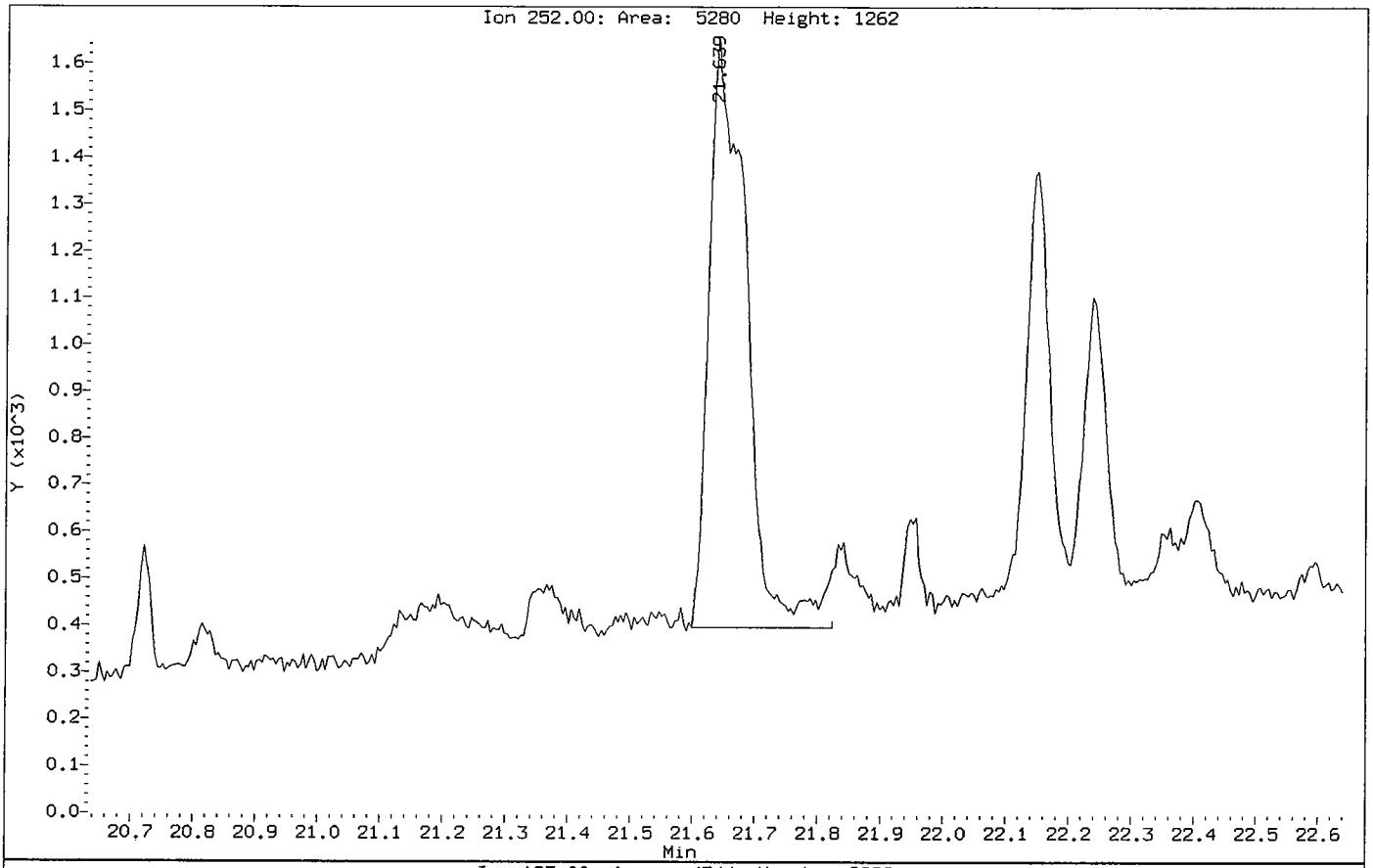
Benzo(b)fluoranthene CAS Number 205-99-2 Area = 2652 Manually integrated

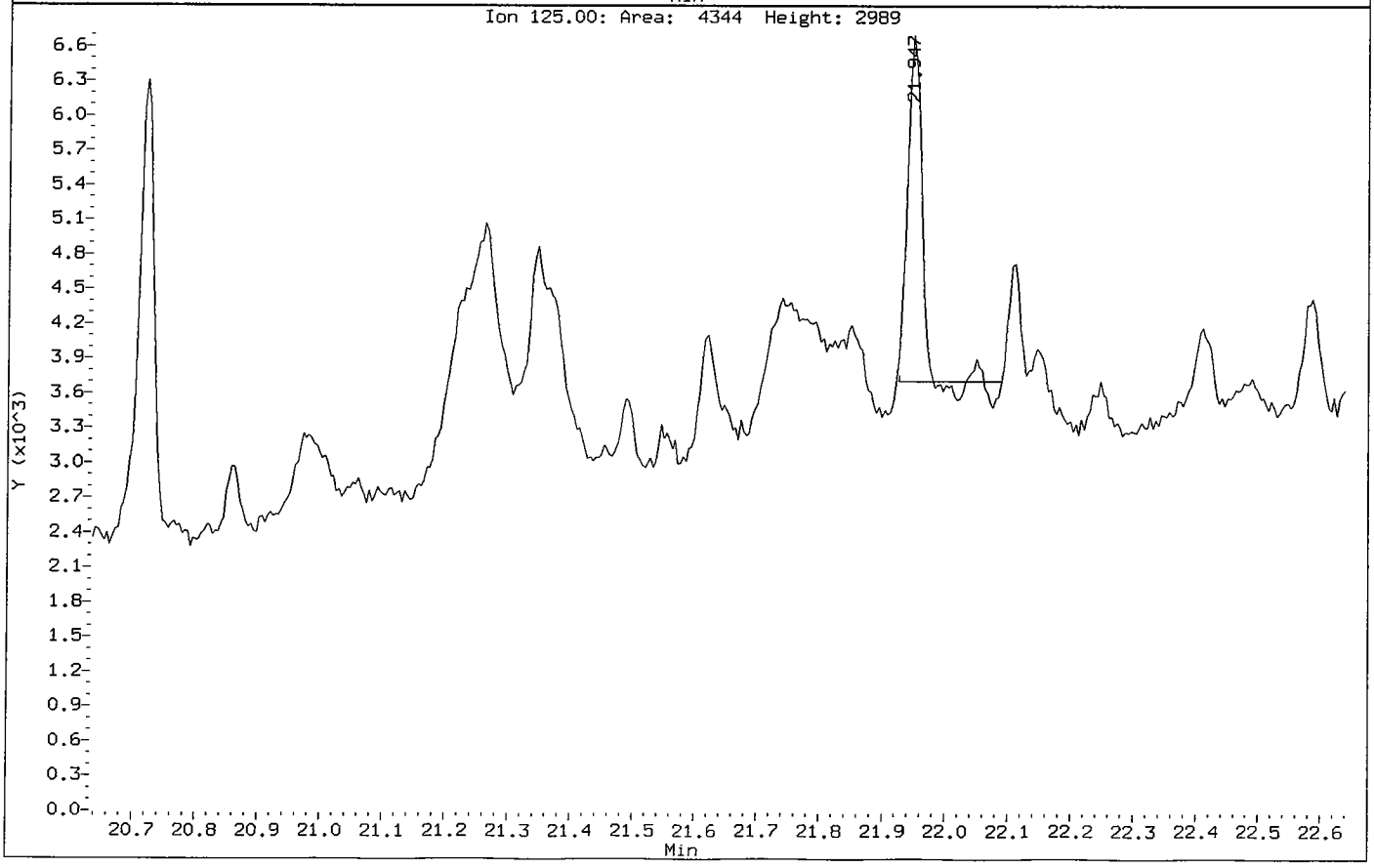


File name: /chem/5972hp70.i/DS100702A70.b/1005157-11A70.d
Client ID: SB65-1-2
Instrument ID: 5972hp70.i
Injection Date and Time: 02-JUL-2010 13:28
Retention Time: 21.64
Operator ID: OWS

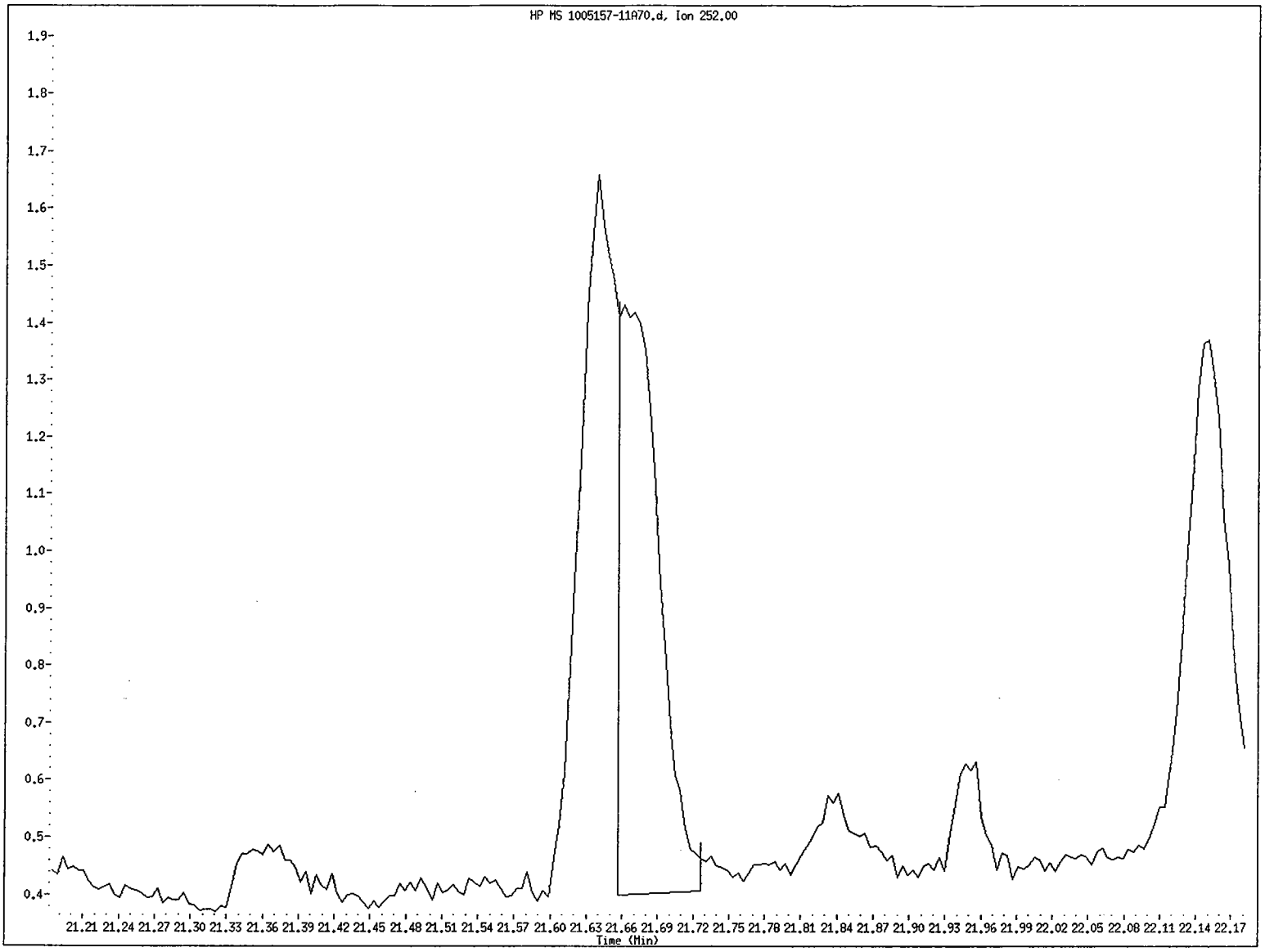
Data File: /chem/5972hp70.i/DS100702A70.b/1005157-11A70.d
Injection Date: 02-JUL-2010 13:28
Instrument: 5972hp70.i
Client Sample ID: SB65-1-2

Compound: Benzo(b)fluoranthene
CAS Number: 205-99-2





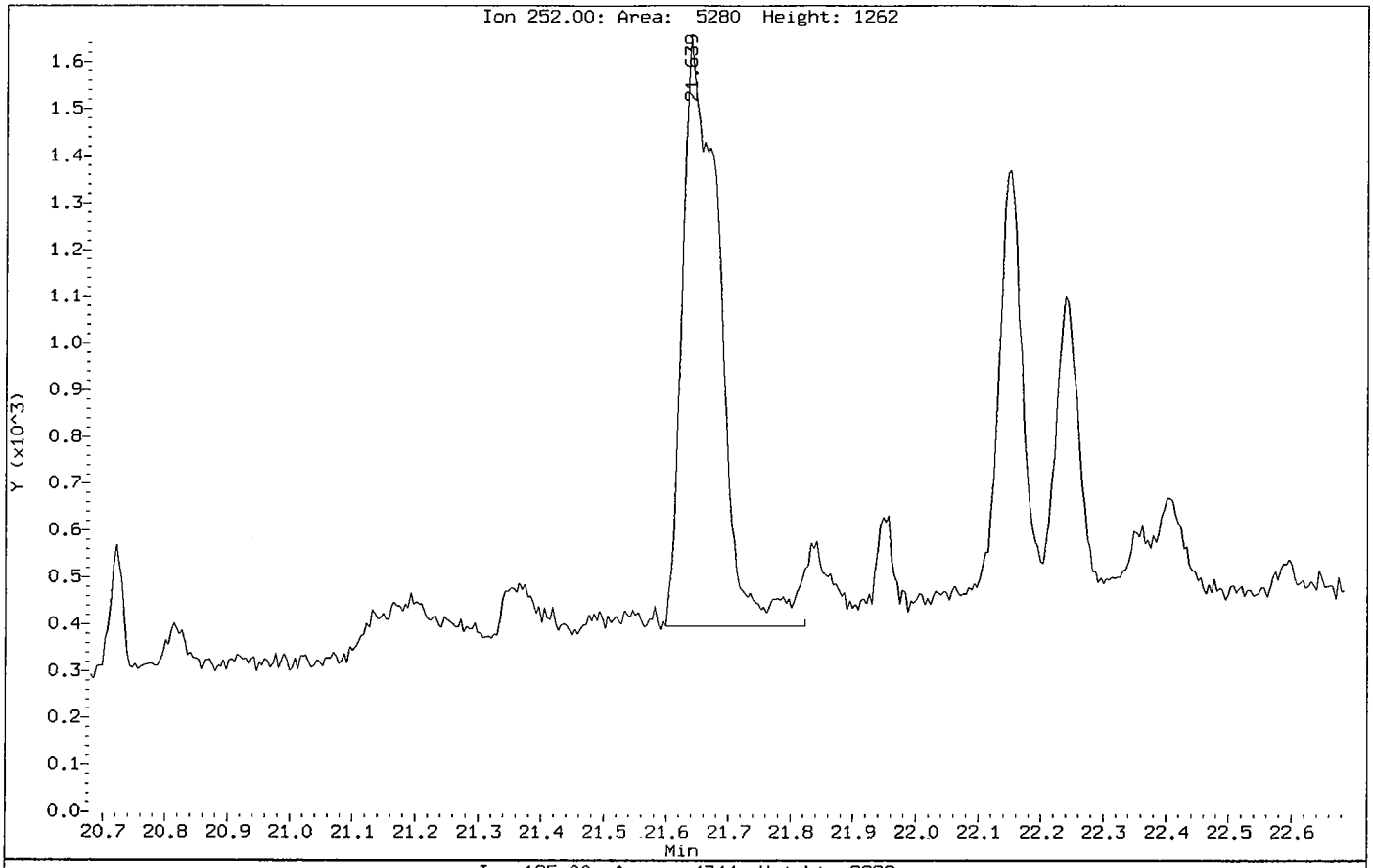
Benzo(k)fluoranthene CAS Number 207-08-9 Area = 2521 Manually integrated

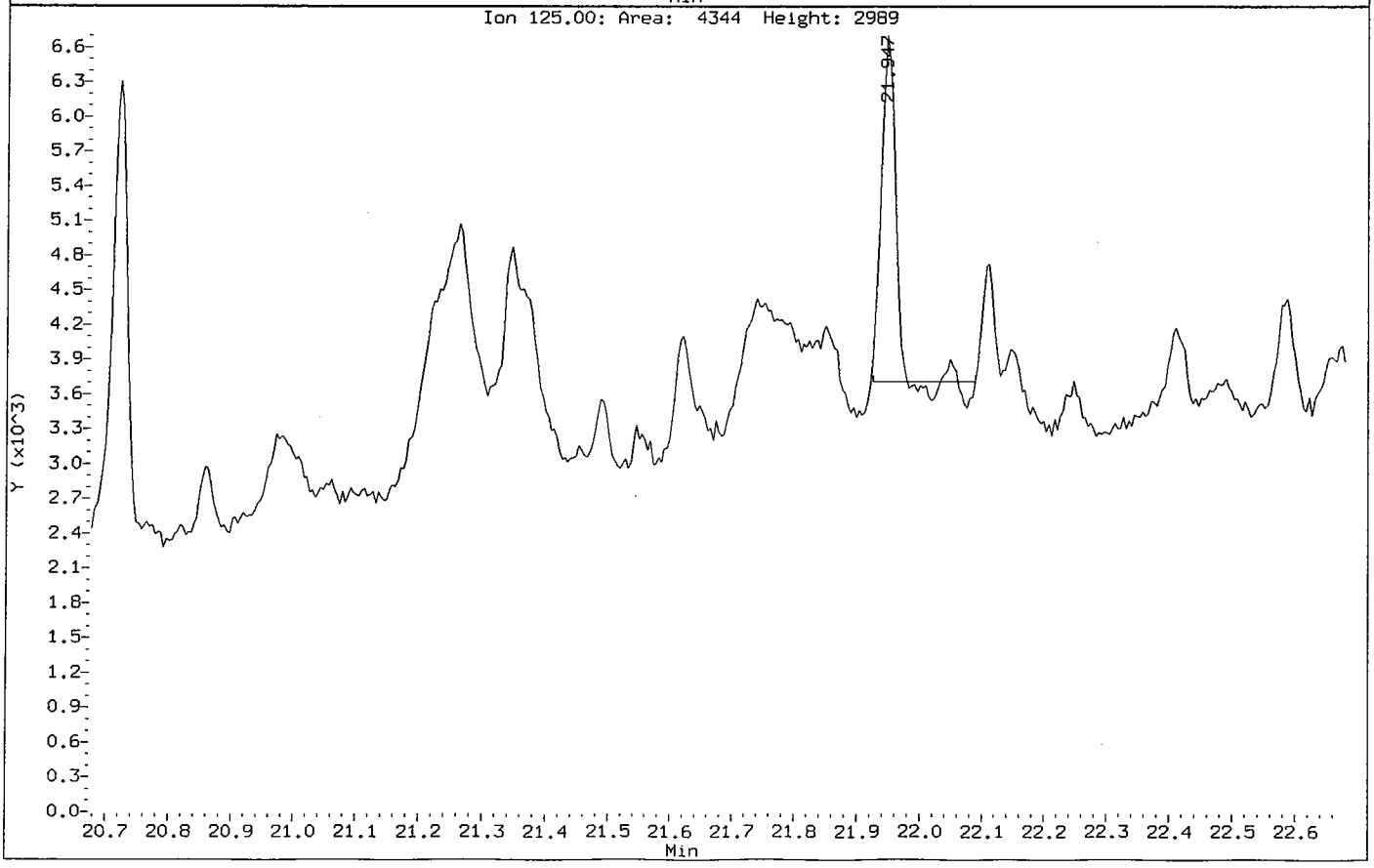


File name: /chem/5972hp70.i/DS100702A70.b/1005157-11A70.d
Client ID: SB65-1-2
Instrument ID: 5972hp70.i
Injection Date and Time: 02-JUL-2010 13:28
Retention Time: 21.66
Operator ID: OWS

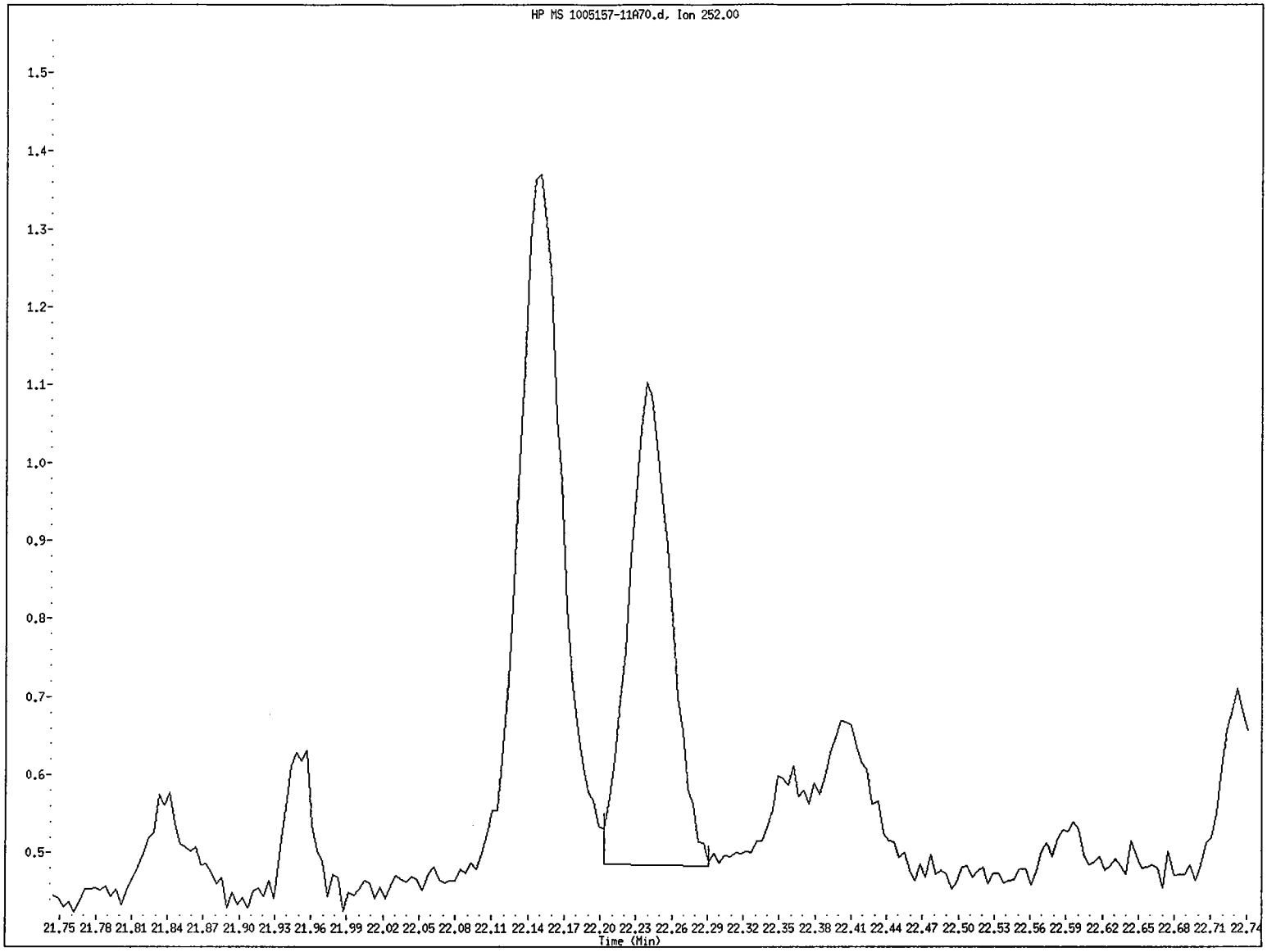
Data File: /chem/5972hp70.i/DS100702A70.b/1005157-11A70.d
Injection Date: 02-JUL-2010 13:28
Instrument: 5972hp70.i
Client Sample ID: SB65-1-2

Compound: Benzo(k)fluoranthene
CAS Number: 207-08-9





Benzo(a)pyrene CAS Number 50-32-8 Area = 1520 Manually integrated



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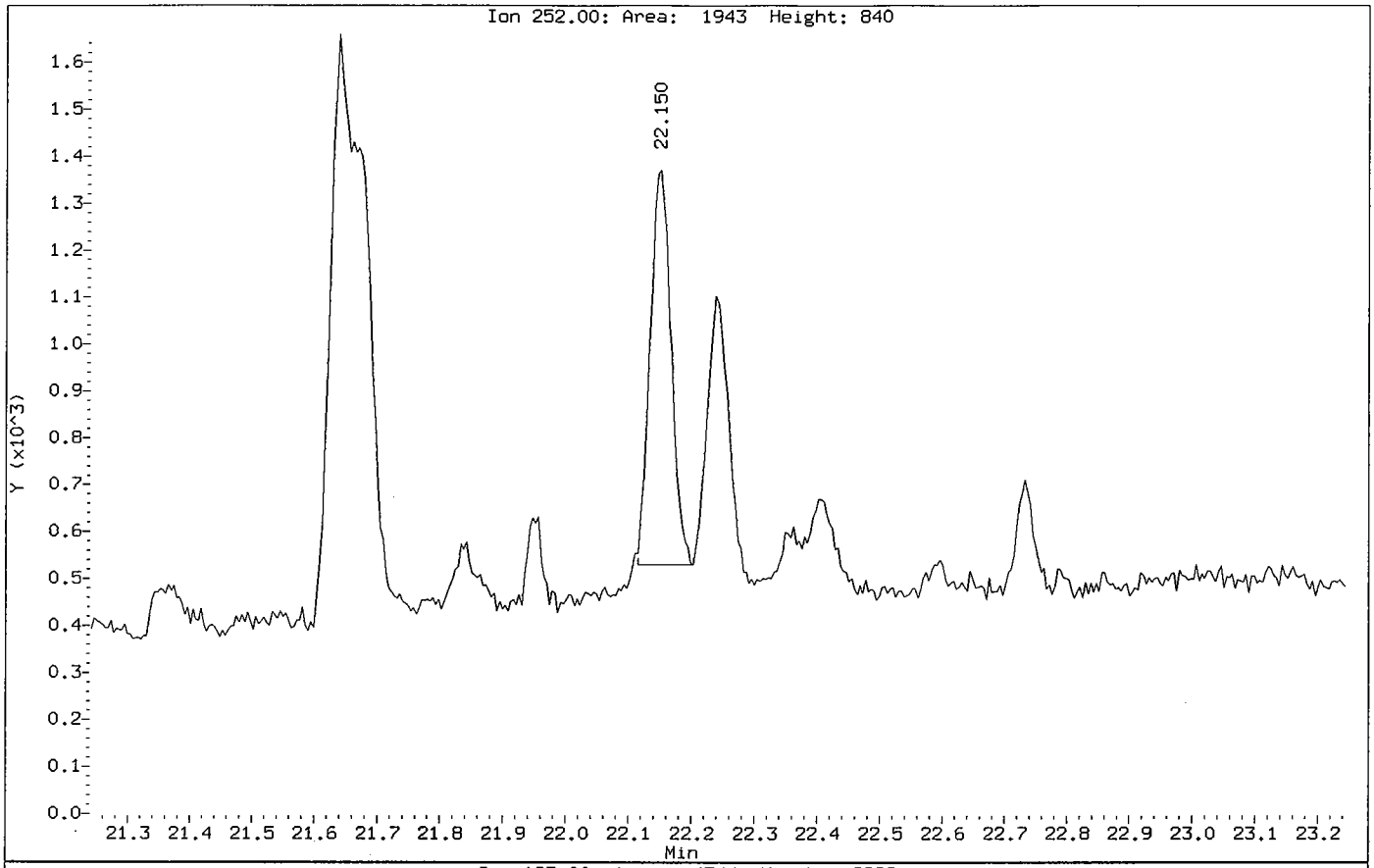
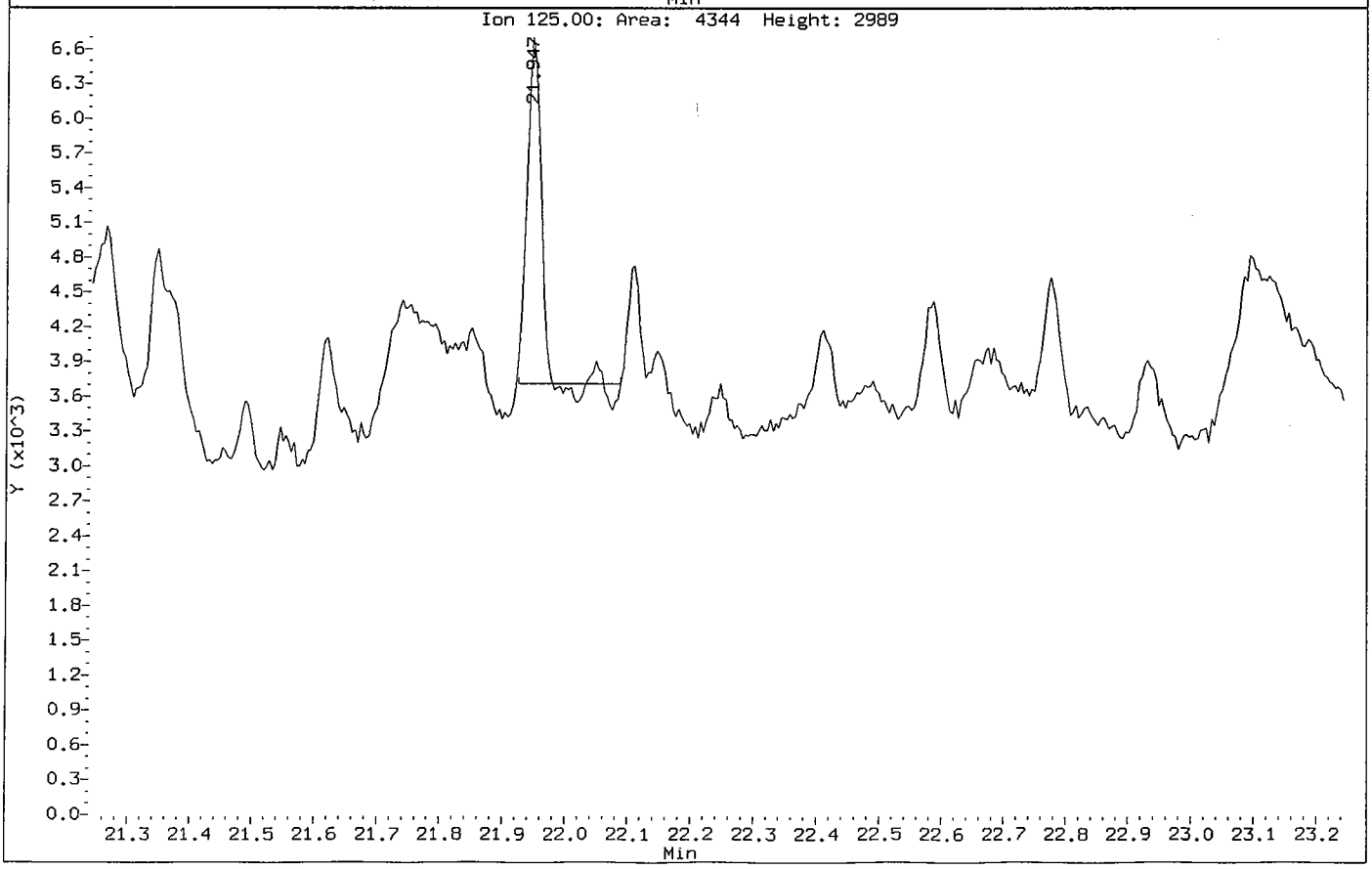
Client ID: SB65-1-2
Instrument ID: 5972hp70.i
Injection Date and Time: 02-JUL-2010 13:28
Retention Time: 22.24
Operator ID: OWS

Data File: /chem/5972hp70.i/DS100702A70.b/1005157-11A70.d
Injection Date: 02-JUL-2010 13:28
Instrument: 5972hp70.i
Client Sample ID: SB65-1-2

Compound: Benzo(a)pyrene
CAS Number: 50-32-8





Data File: /chem/5972hp70.i/DS100702A70.b/1005157-11A70.d

Date : 02-JUL-2010 13:28

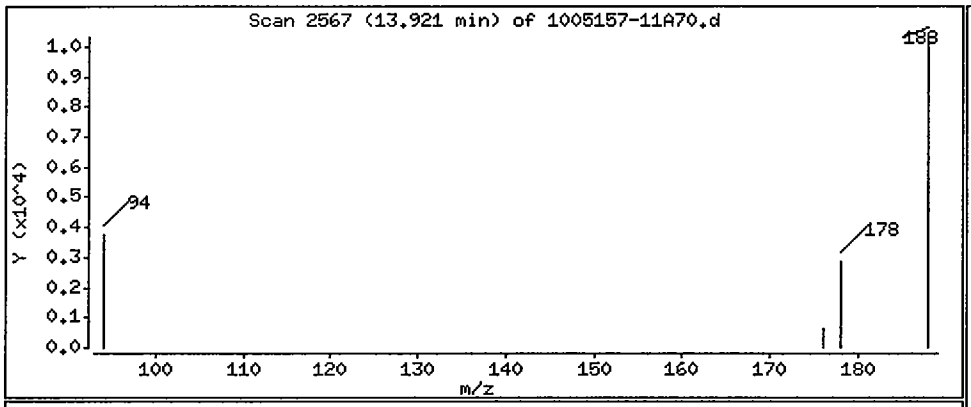
Client ID: SB65-1-2 Instrument: 5972hp70.i

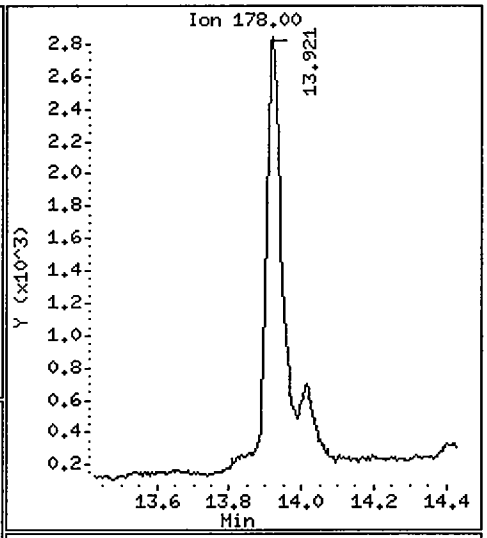
Sample Info: 1005157-11:MW

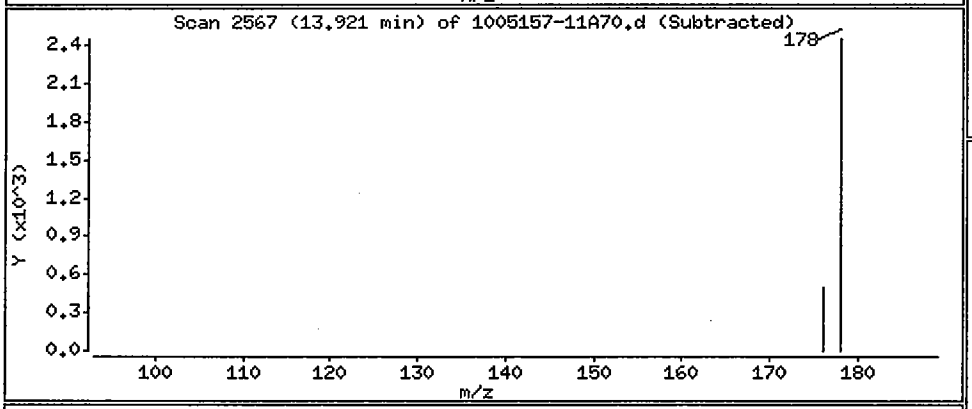
Volume Injected (uL): 2.0 Operator: OWS

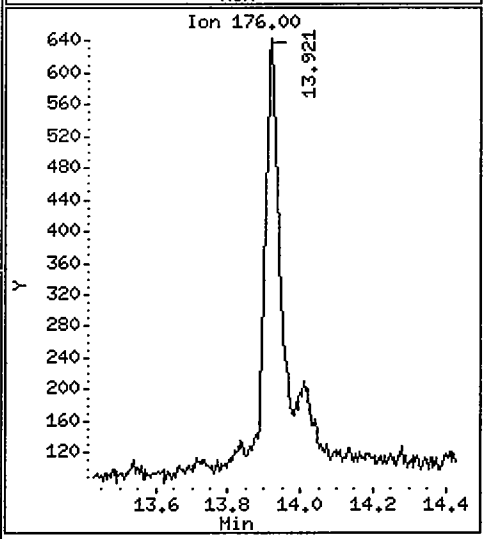
Column phase: Rtx-5MS Column diameter: 0.32

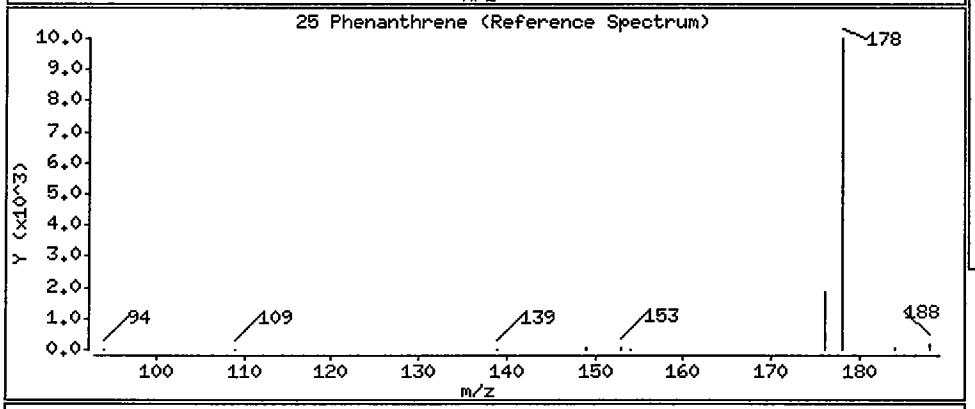
25 Phenanthrene Concentration: 1.9 ug/Kg

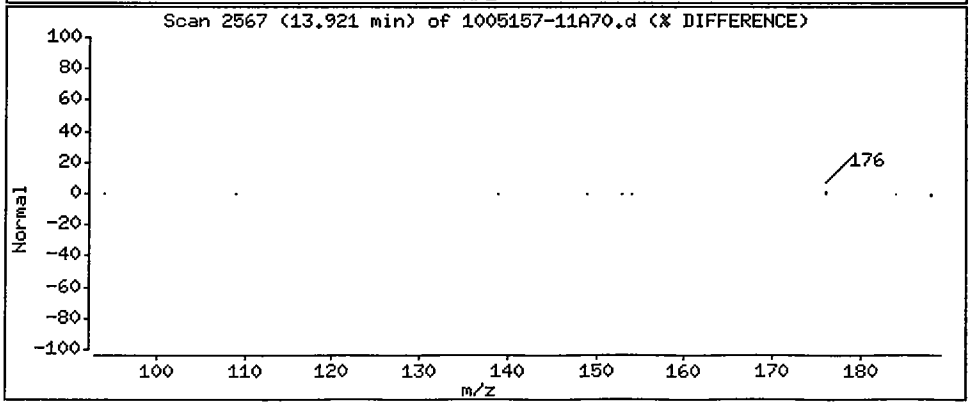












Data File: /chem/5972hp70.i/DS100702A70.b/1005157-11A70.d

Date : 02-JUL-2010 13:28

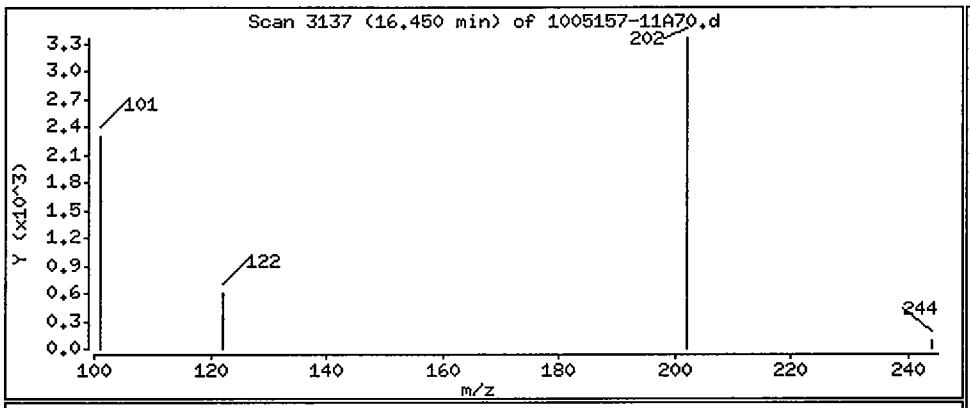
Client ID: SB65-1-2 Instrument: 5972hp70.i

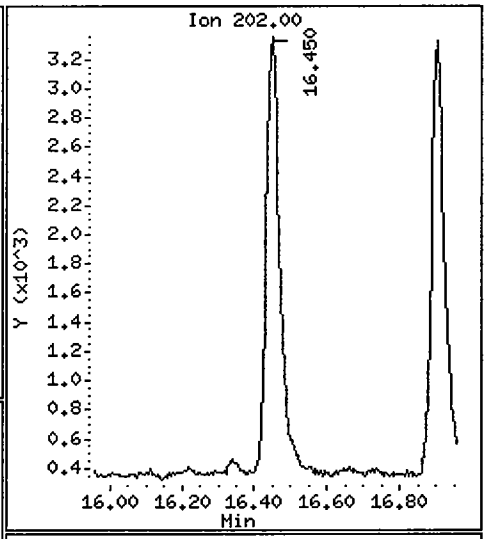
Sample Info: 1005157-11:MW

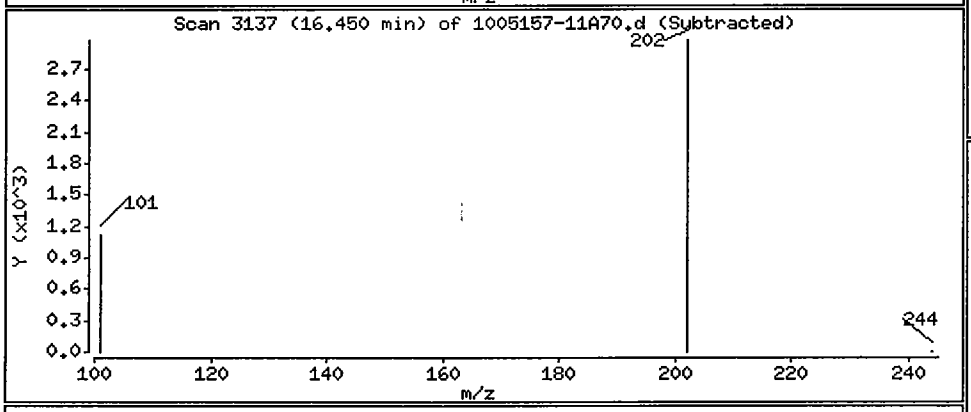
Volume Injected (uL): 2.0 Operator: OWS

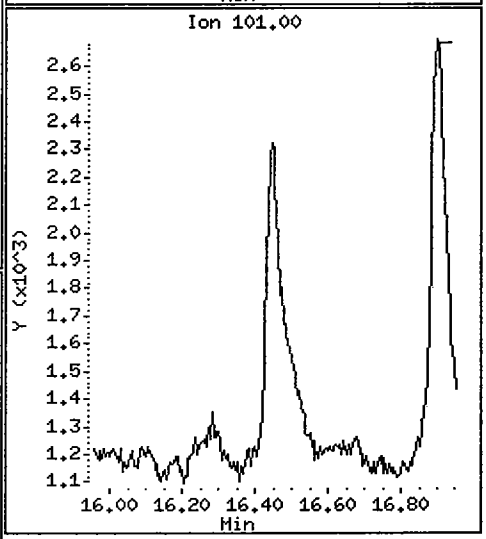
Column phase: Rtx-5MS Column diameter: 0.32

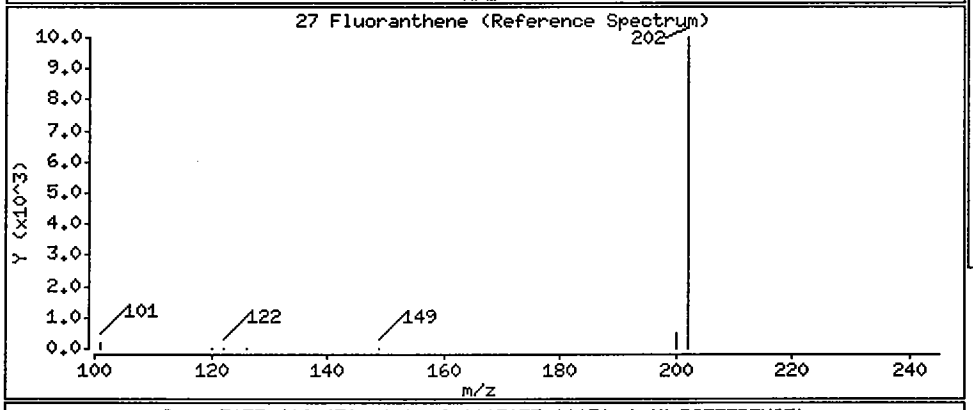
27 Fluoranthene Concentration: 2.1 ug/Kg

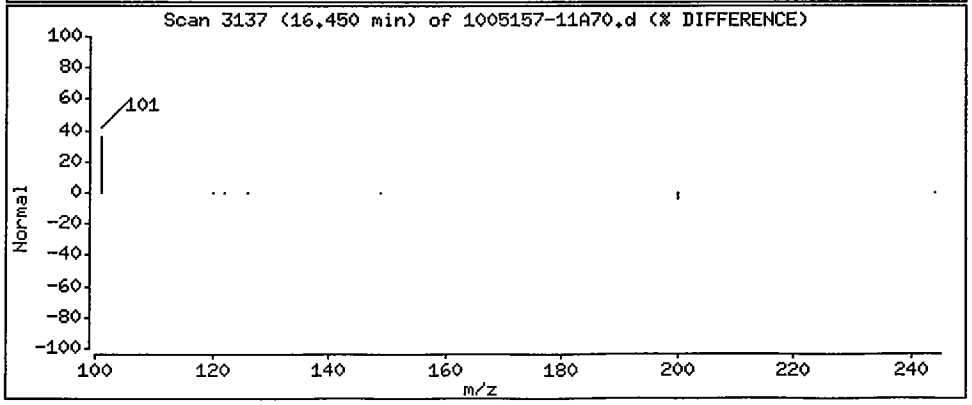












Data File: /chem/5972hp70.i/DS100702A70.b/1005157-11A70.d

Date : 02-JUL-2010 13:28

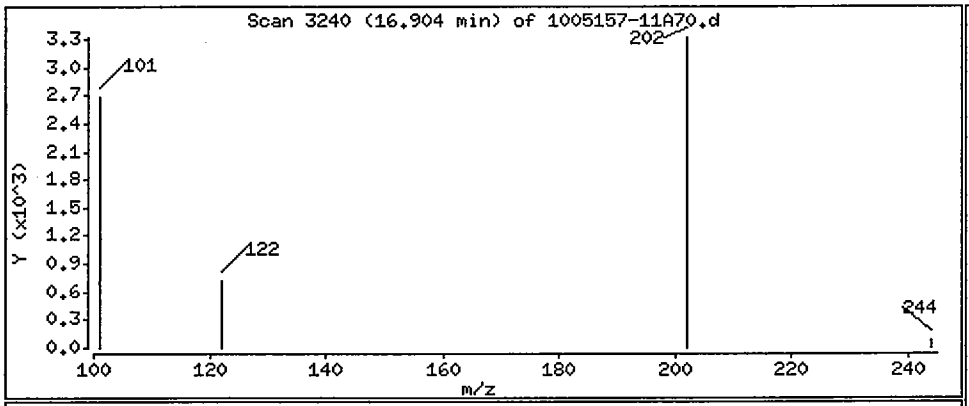
Client ID: SB65-1-2 Instrument: 5972hp70.i

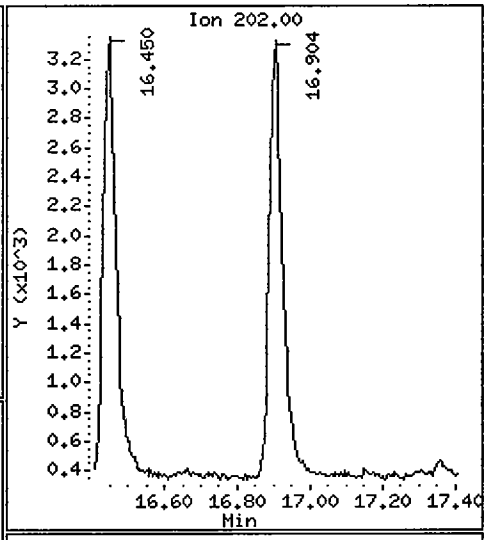
Sample Info: 1005157-11:MW

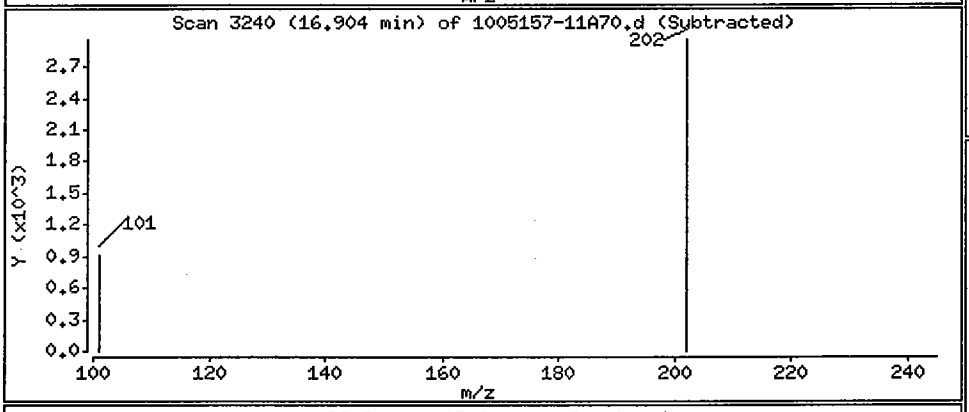
Volume Injected (uL): 2.0 Operator: OWS

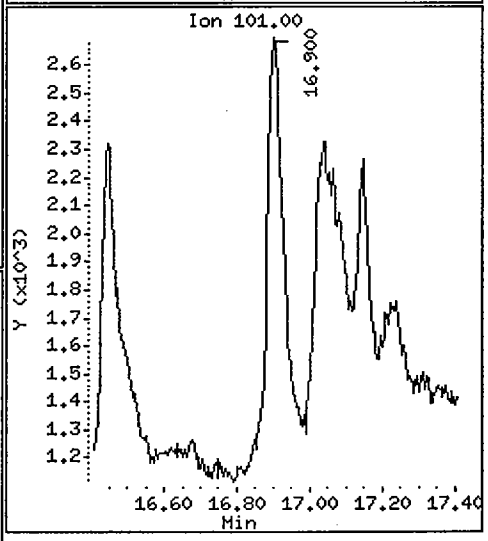
Column phase: Rtx-5MS Column diameter: 0.32

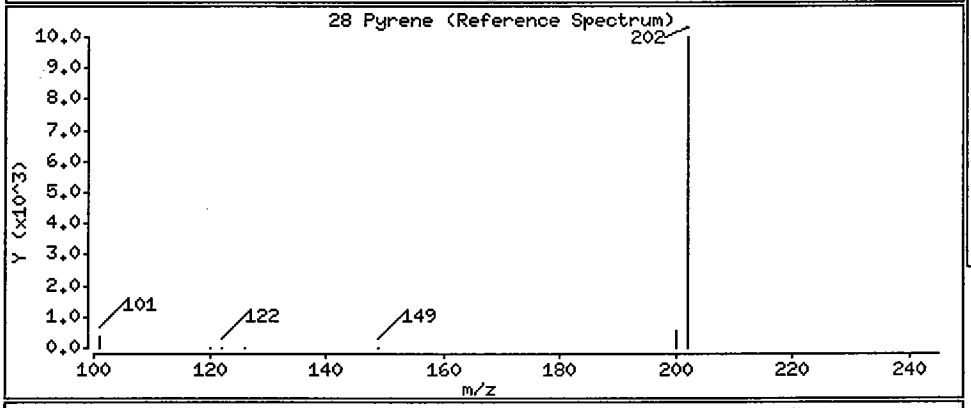
28 Pyrene Concentration: 2.1 ug/Kg

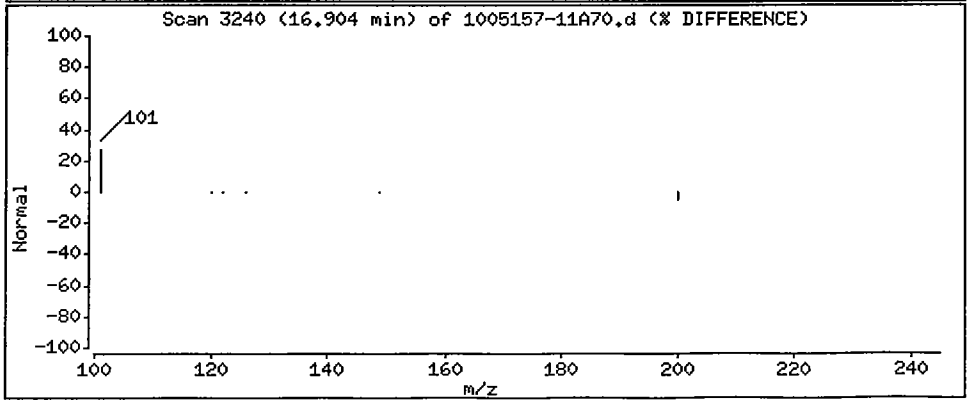












Data File: /chem/5972hp70.i/DS100702A70.b/1005157-11A70.d

Date : 02-JUL-2010 13:28

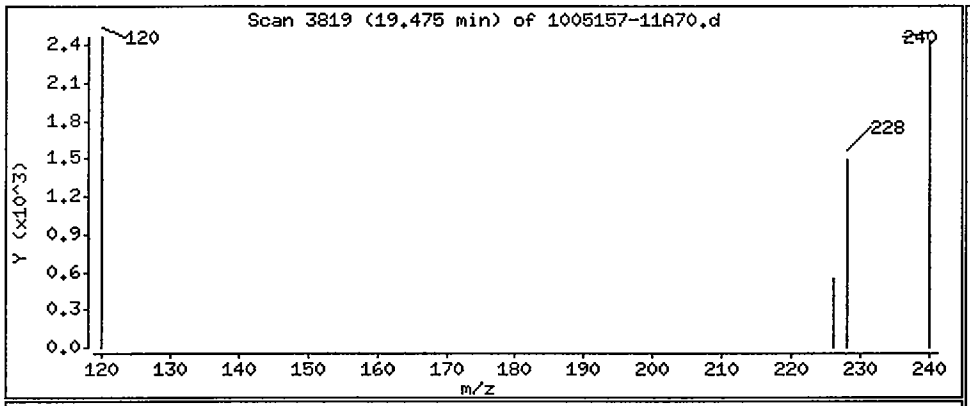
Client ID: SB65-1-2 Instrument: 5972hp70.i

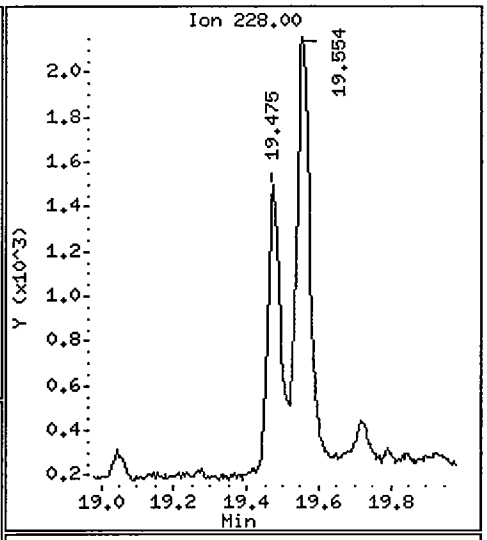
Sample Info: 1005157-11:MW

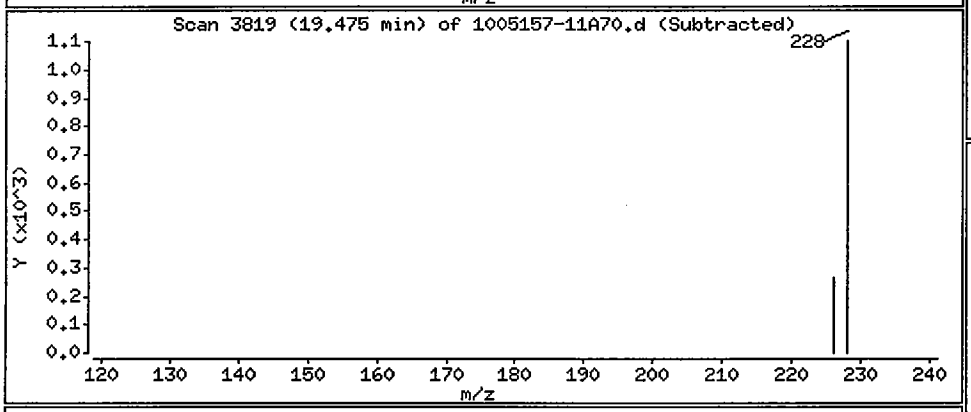
Volume Injected (uL): 2.0 Operator: OWS

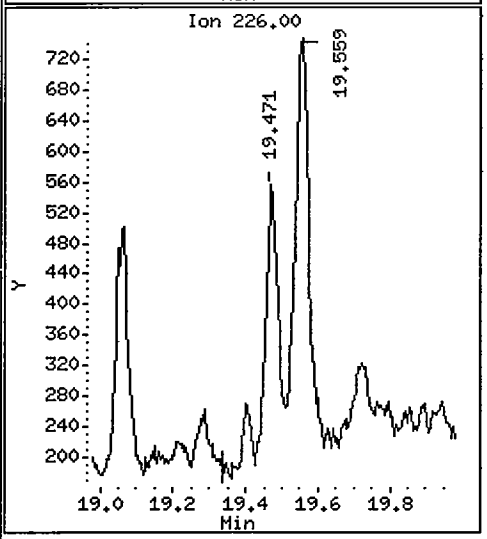
Column phase: Rtx-5MS Column diameter: 0.32

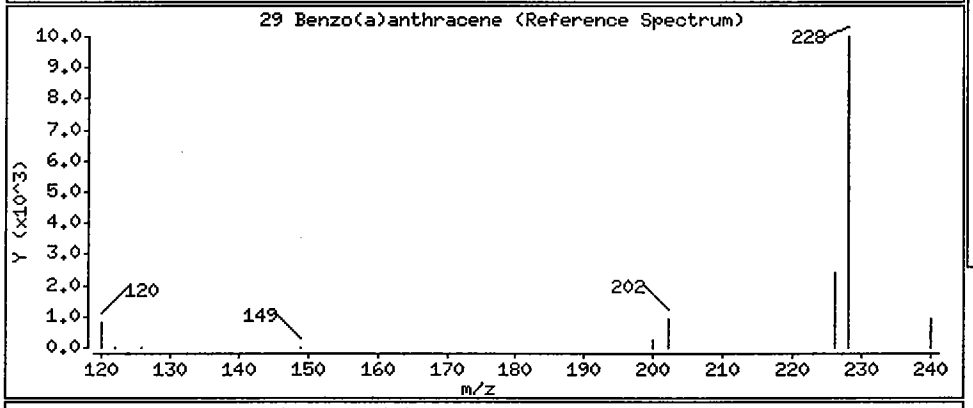
29 Benzo(a)anthracene Concentration: 1.1 ug/Kg

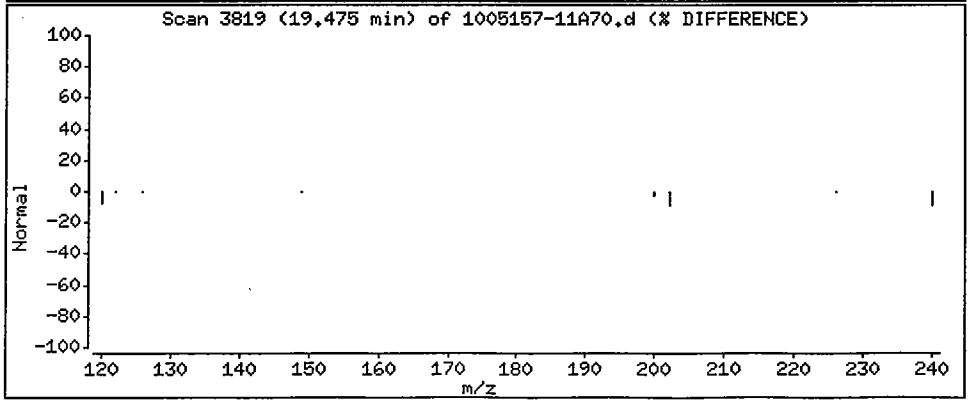












Data File: /chem/5972hp70.i/DS100702A70.b/1005157-11A70.d

Date : 02-JUL-2010 13:28

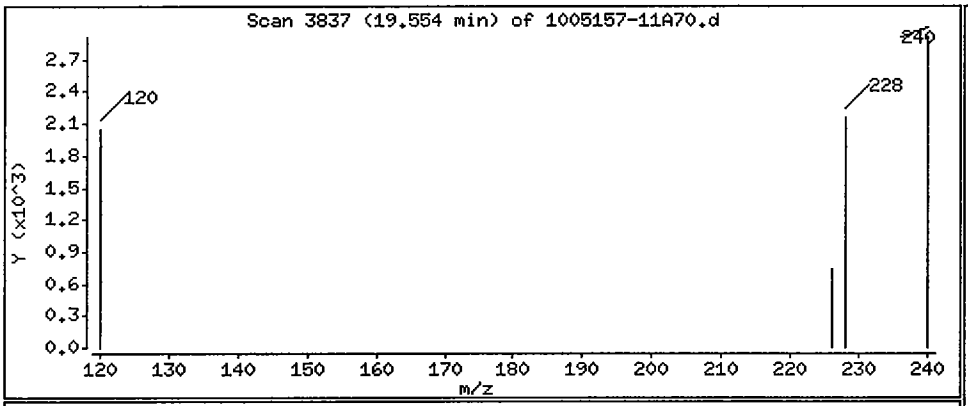
Client ID: SB65-1-2 Instrument: 5972hp70.i

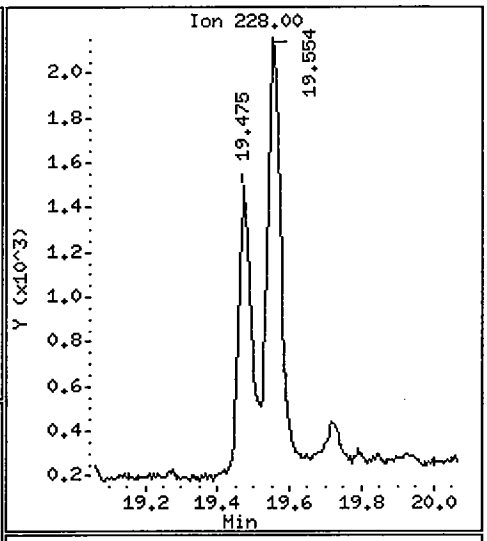
Sample Info: 1005157-11:MW

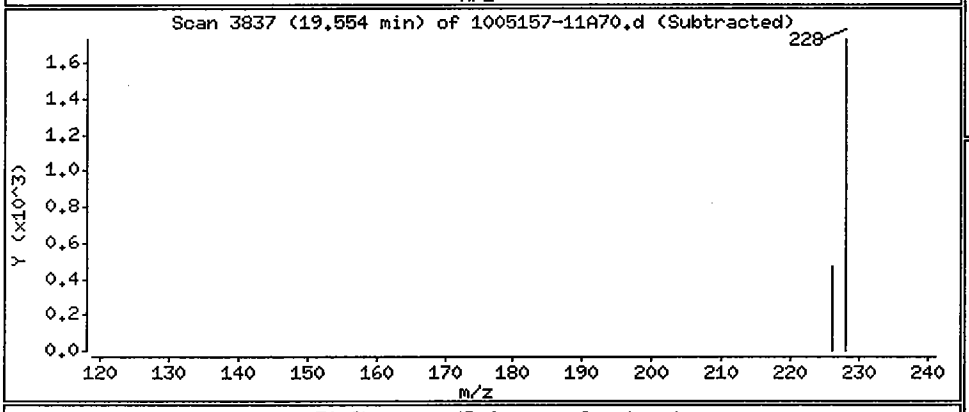
Volume Injected (uL): 2.0 Operator: OWS

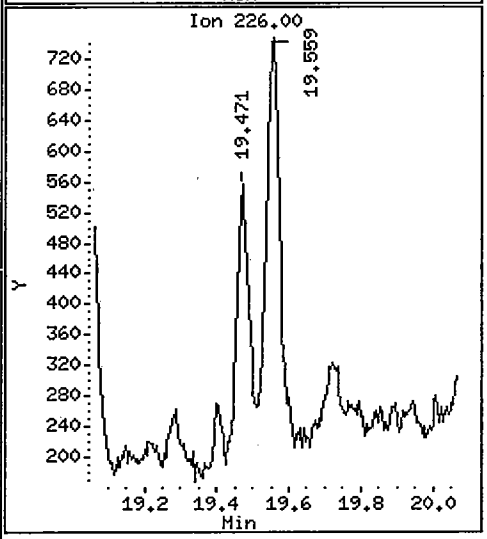
Column phase: Rtx-5MS Column diameter: 0.32

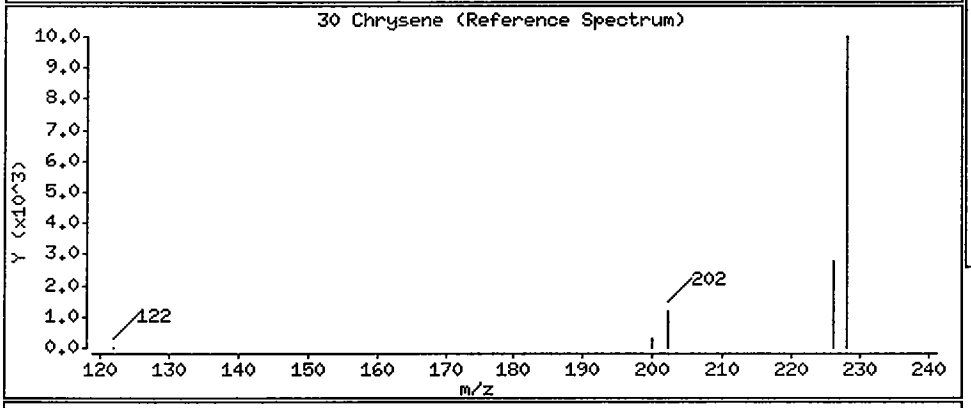
30 Chrysene Concentration: 1.5 ug/Kg

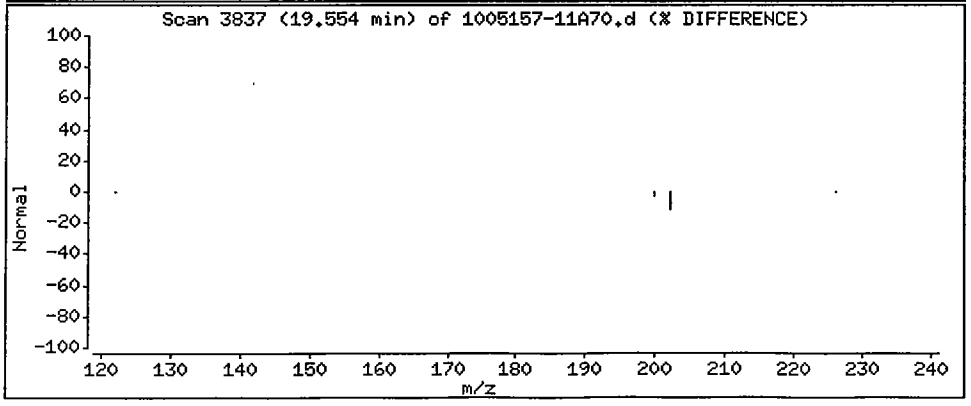












Data File: /chem/5972hp70.i/DS100702A70.b/1005157-11A70.d

Date : 02-JUL-2010 13:28

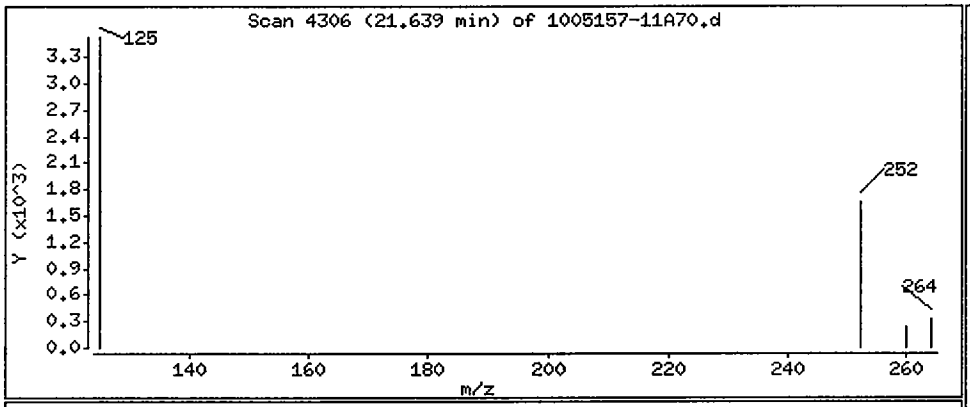
Client ID: SB65-1-2 Instrument: 5972hp70.i

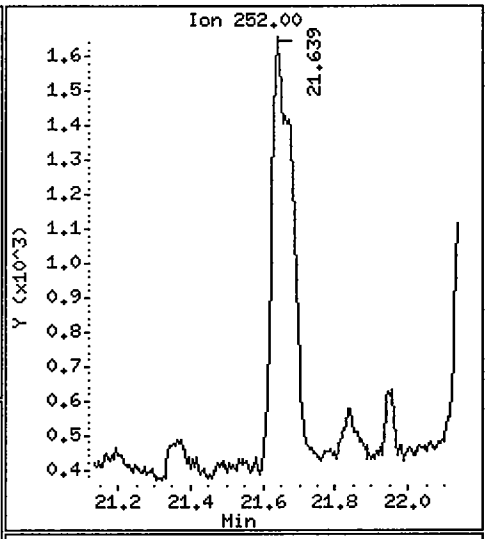
Sample Info: 1005157-11:MW

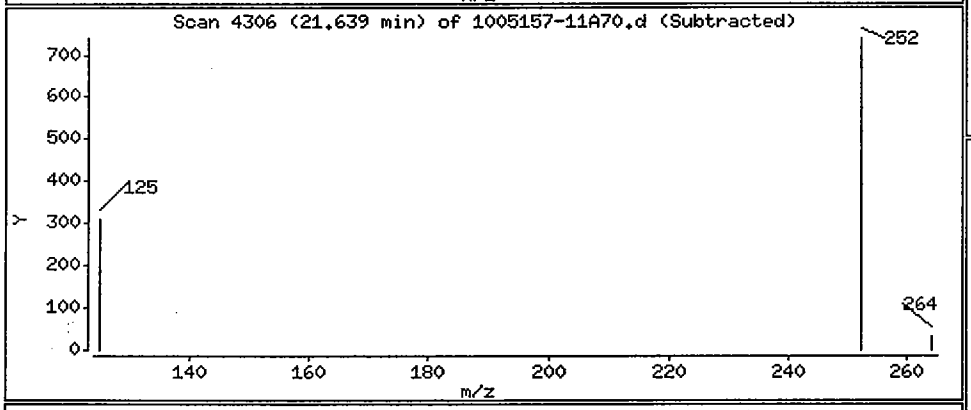
Volume Injected (uL): 2.0 Operator: OWS

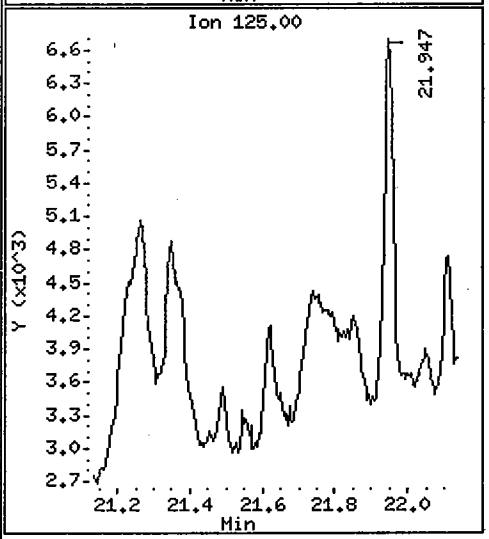
Column phase: Rtx-5MS Column diameter: 0.32

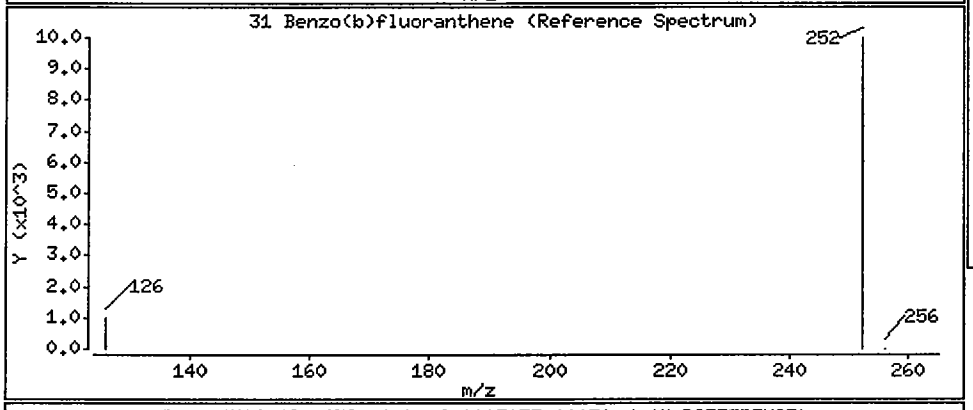
31 Benzo(b)fluoranthene Concentration: 0.99 ug/Kg

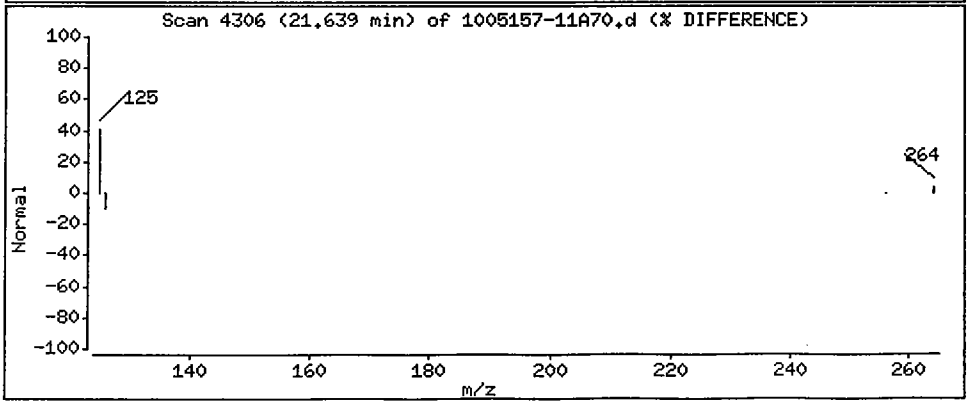












Data File: /chem/5972hp70.i/DS100702A70.b/1005157-11A70.d

Date : 02-JUL-2010 13:28

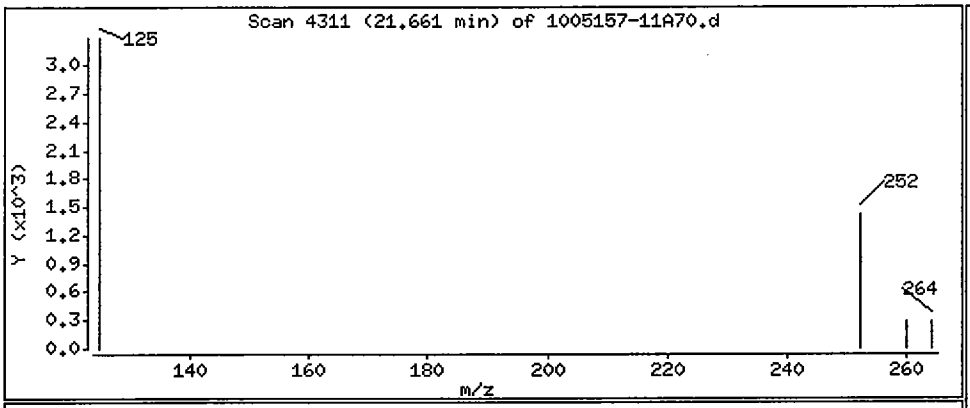
Client ID: SB65-1-2 Instrument: 5972hp70.i

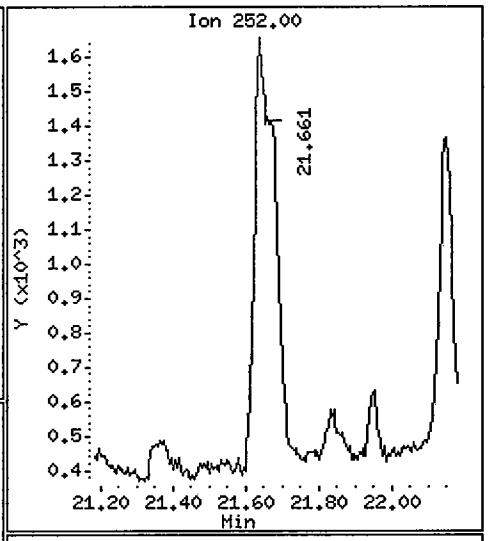
Sample Info: 1005157-11:MW

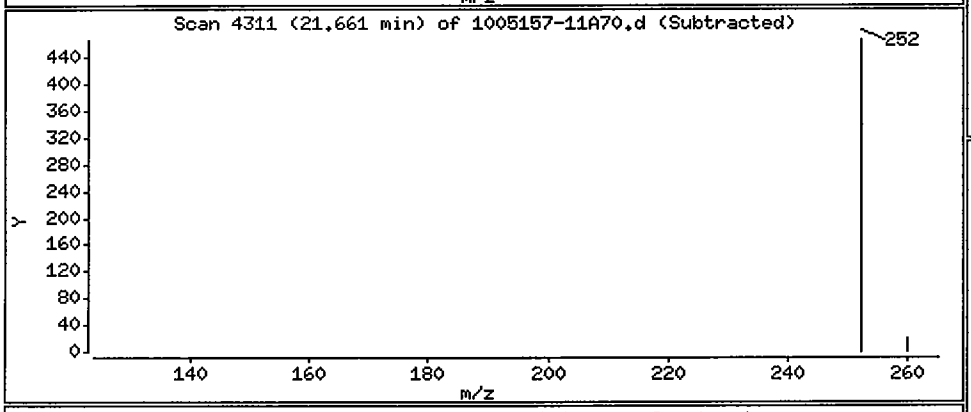
Volume Injected (uL): 2.0 Operator: OWS

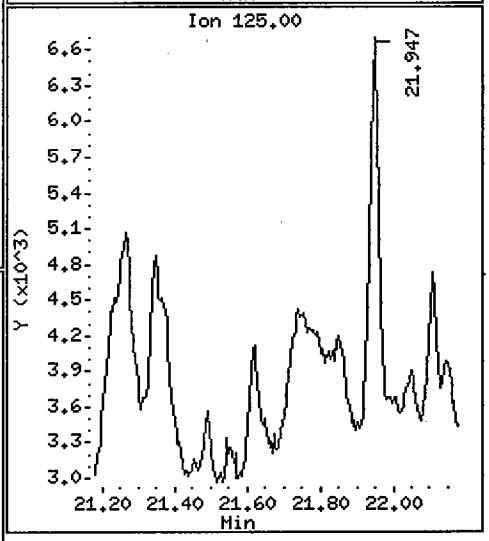
Column phase: Rtx-5MS Column diameter: 0.32

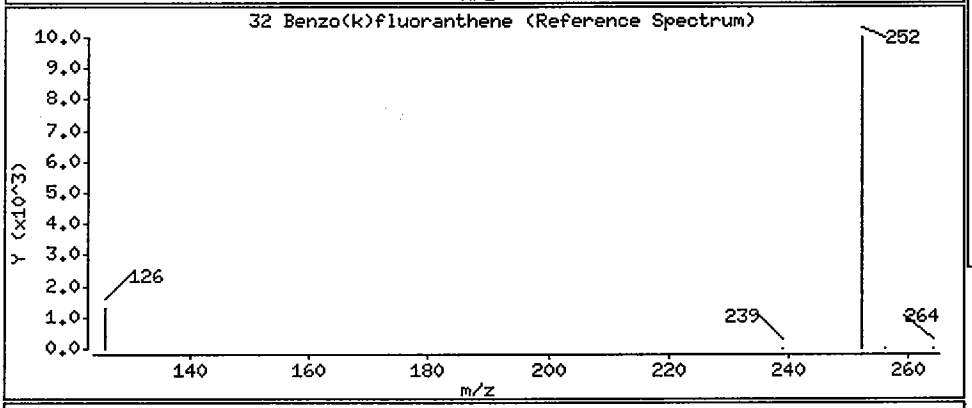
32 Benzo(k)fluoranthene Concentration: 0.76 ug/Kg

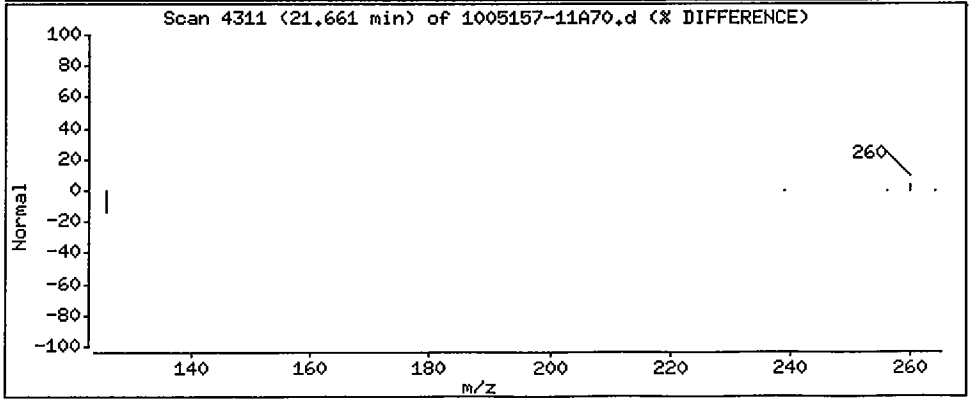












Data File: /chem/5972hp70.i/DS100702A70.b/1005157-11A70.d

Date : 02-JUL-2010 13:28

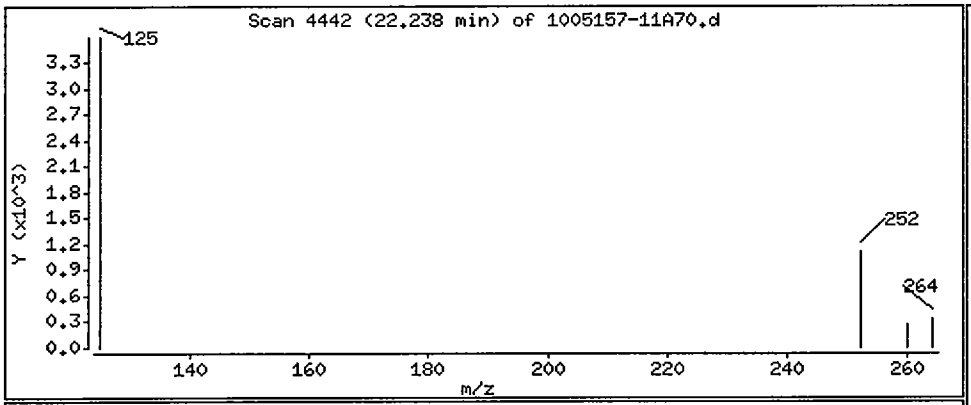
Client ID: SB65-1-2 Instrument: 5972hp70.i

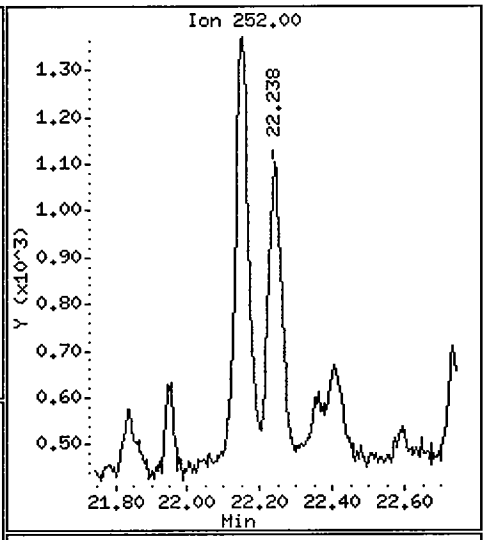
Sample Info: 1005157-11:MW

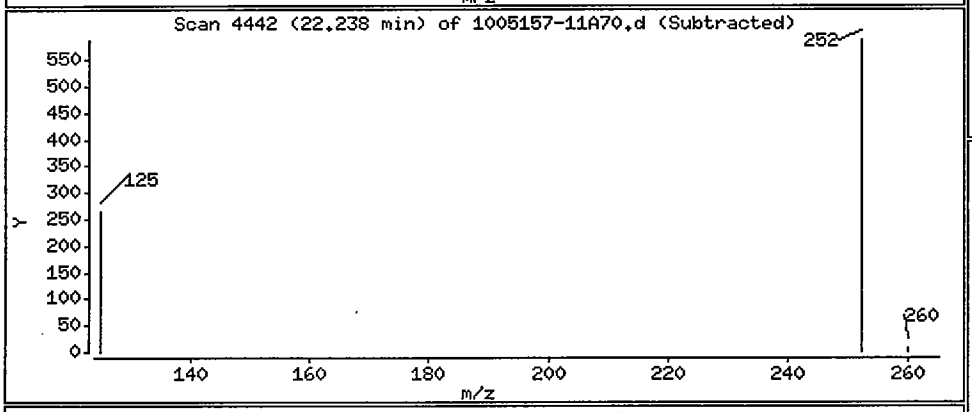
Volume Injected (uL): 2.0 Operator: OWS

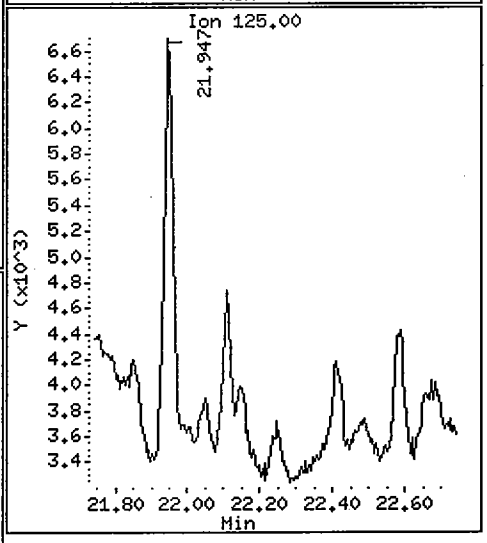
Column phase: Rtx-5MS Column diameter: 0.32

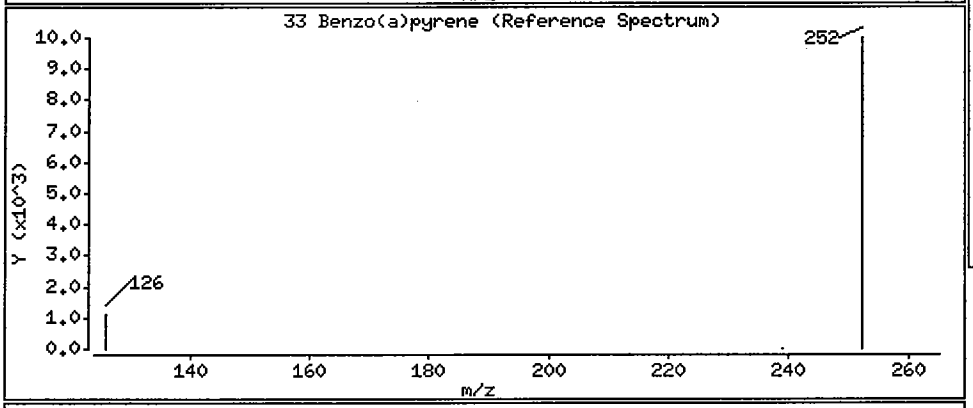
33 Benzo(a)pyrene Concentration: 0.60 ug/Kg

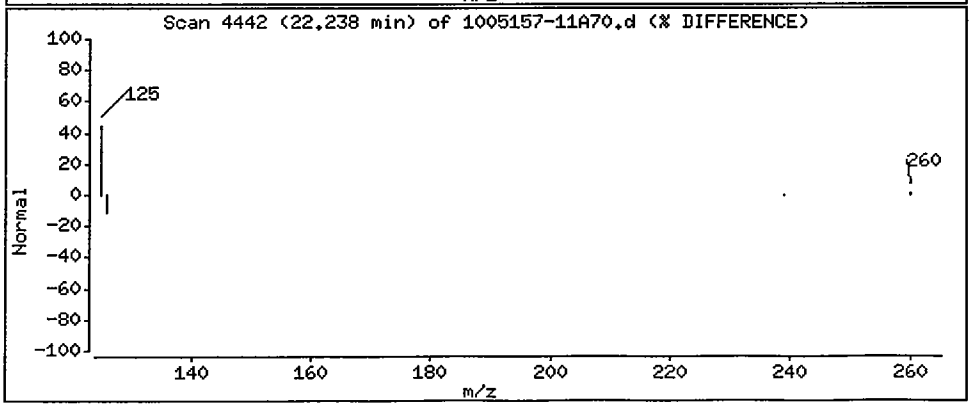












Data File: /chem/5972hp70.i/DS100702A70.b/1005157-11A70.d

Date : 02-JUL-2010 13:28

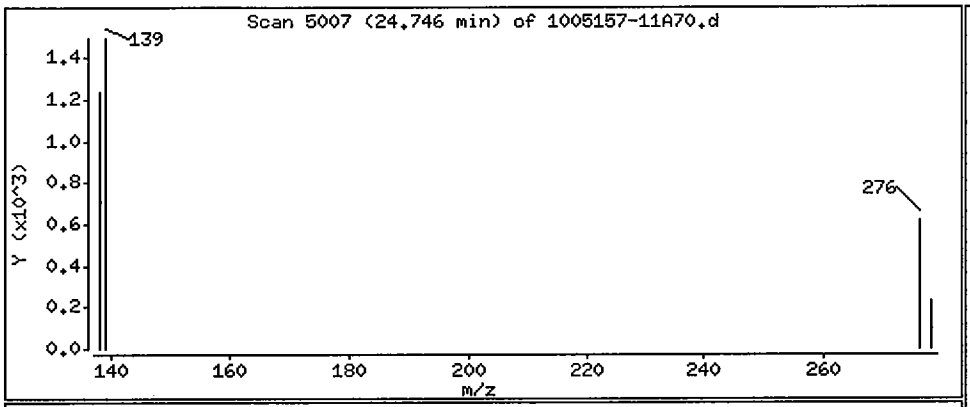
Client ID: SB65-1-2 Instrument: 5972hp70.i

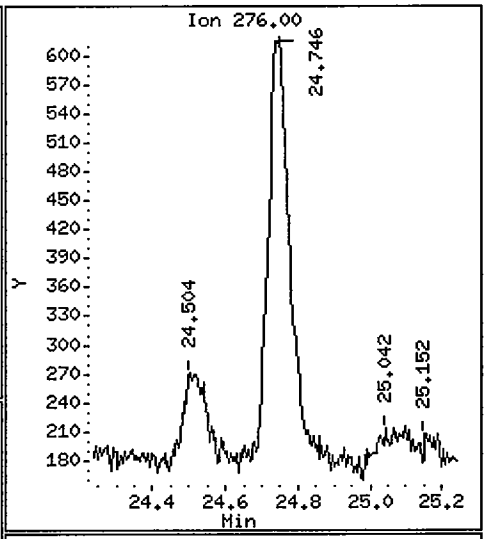
Sample Info: 1005157-11:MW

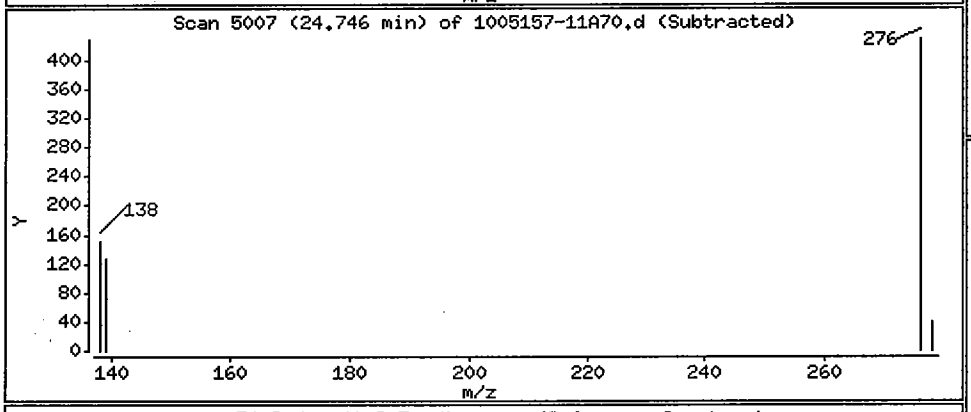
Volume Injected (uL): 2.0 Operator: OWS

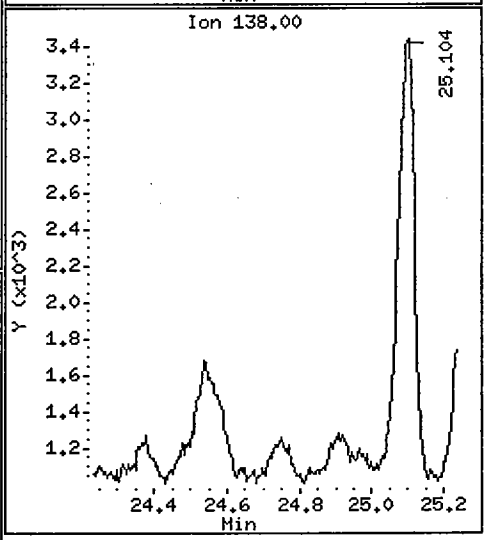
Column phase: Rtx-5MS Column diameter: 0.32

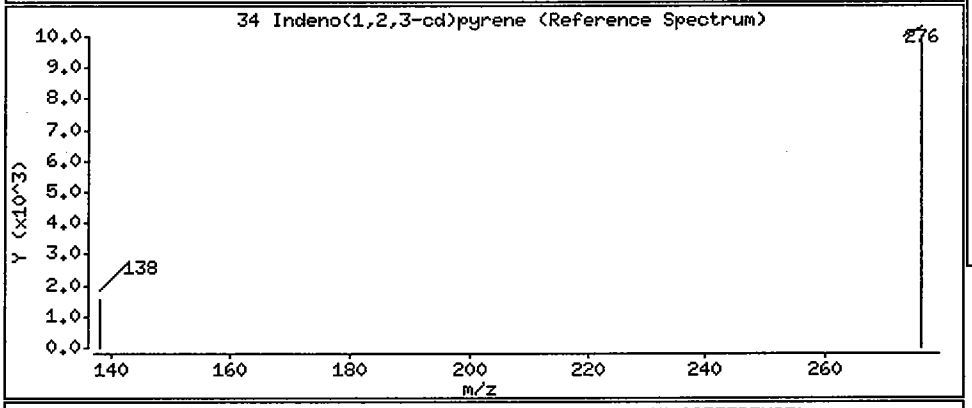
34 Indeno(1,2,3-cd)pyrene Concentration: 5.6 ug/Kg

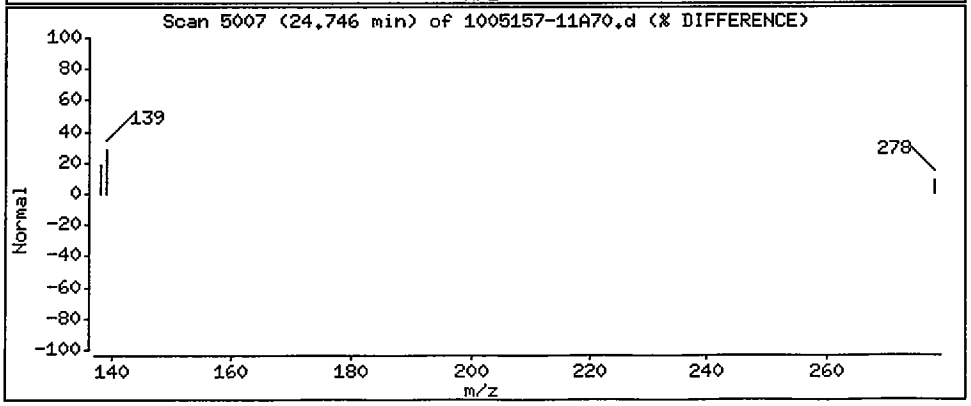












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SB69-2-3

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005157-09
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005157-09A70
Analyst: OWS

% Moisture: 18 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

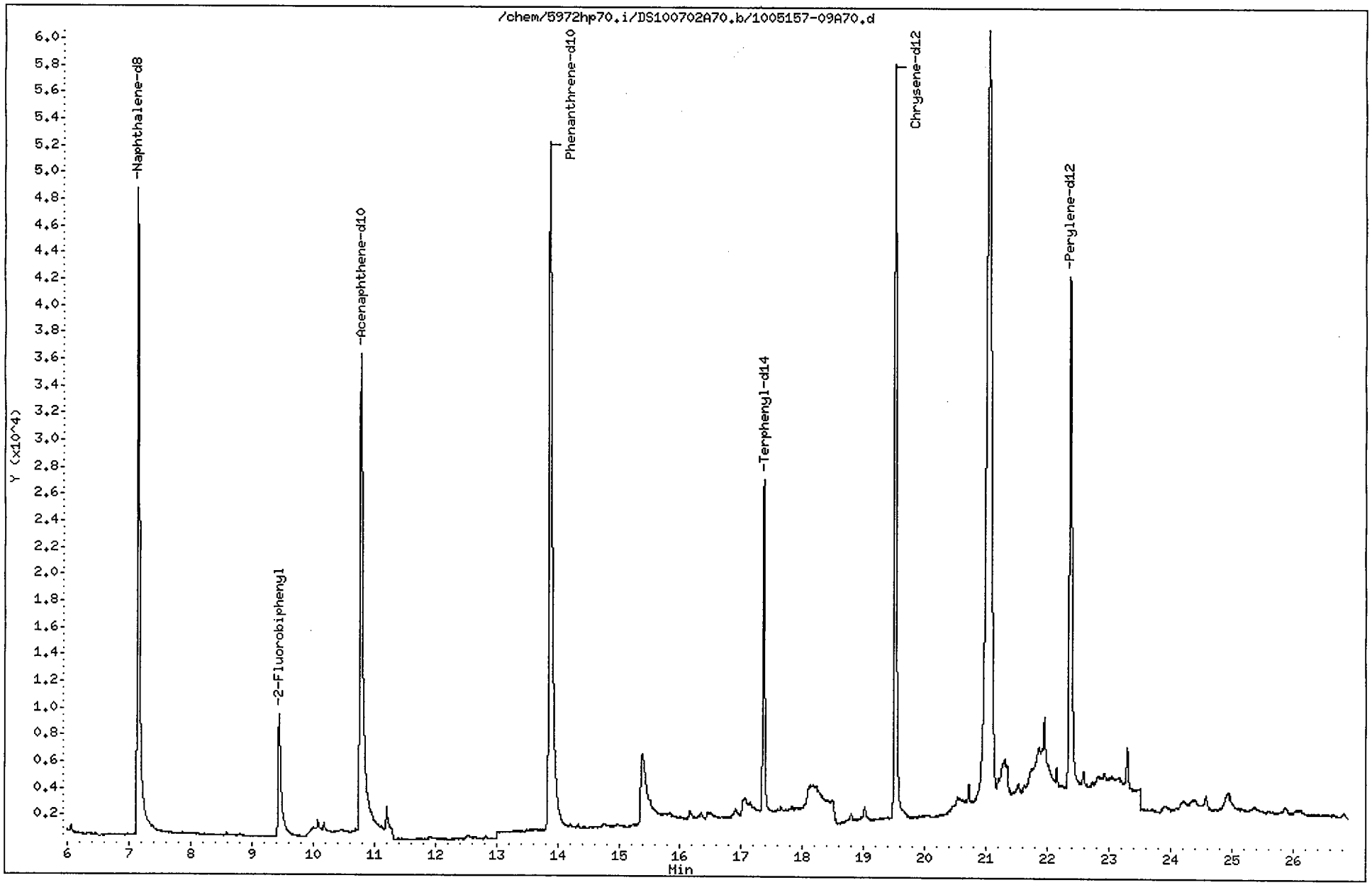
Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.87	10	ND	U
91-57-6	2-Methylnaphthalene	0.83	10	ND	U
208-96-8	Acenaphthylene	0.65	10	ND	U
83-32-9	Acenaphthene	0.73	10	ND	U
86-73-7	Fluorene	0.55	10	ND	U
85-01-8	Phenanthrene	1.6	10	ND	U
120-12-7	Anthracene	0.53	10	ND	U
206-44-0	Fluoranthene	1.6	10	ND	U
129-00-0	Pyrene	0.69	10	ND	U
56-55-3	Benzo(a)anthracene	0.69	10	ND	U
218-01-9	Chrysene	0.77	10	ND	U
205-99-2	Benzo(b)fluoranthene	0.69	10	ND	U
207-08-9	Benzo(k)fluoranthene	0.53	10	ND	U
50-32-8	Benzo(a)pyrene	0.47	10	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.45	10	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.41	10	ND	U
191-24-2	Benzo(g,h,i)perylene	0.47	10	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp70.i/DS100702A70.b/1005157-09A70.d
Date : 02-JUL-2010 12:17
Client ID: SB69-2-3
Sample Info: 1005157-09:MW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100702A70.b/1005157-09A70.d
Report Date: 06-Jul-2010 16:54

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100702A70.b/1005157-09A70.d
Lab Smp Id: 1005157-09 Client Smp ID: SB69-2-3
Inj Date : 02-JUL-2010 12:17
Operator : OWS Inst ID: 5972hp70.i
Smp Info : 1005157-09:MW
Misc Info : SB69-2-3
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100702A70.b/SIM_8270Cv3DOD.m
Meth Date : 06-Jul-2010 16:42 mead Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	18.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	4.846	4.836	(1.000)	28348	2.00000	
* 2 Naphthalene-d8	136	7.146	7.153	(1.000)	106838	2.00000	
* 3 Acenaphthene-d10	164	10.776	10.790	(1.000)	65329	2.00000	
* 4 Phenanthrene-d10	188	13.877	13.885	(1.000)	135875	2.00000	
* 5 Chrysene-d12	240	19.507	19.516	(1.000)	103403	2.00000	
* 6 Perylene-d12	264	22.362	22.366	(1.000)	90007	2.00000	
$ 9 Nitrobenzene-d5	82	5.878	5.881	(0.823)	20997	0.60732	12
$ 10 2-Fluorobiphenyl	172	9.445	9.468	(0.877)	24801	0.55084	11
$ 12 Terphenyl-d14	244	17.361	17.371	(0.890)	38058	1.03399	21
13 Naphthalene	128	Compound Not Detected.					
15 2-Methylnaphthalene	141	Compound Not Detected.					
17 Acenaphthylene	152	Compound Not Detected.					
18 Acenaphthene	154	Compound Not Detected.					

pm 7/6/10

Data File: /chem/5972hp70.i/DS100702A70.b/1005157-09A70.d
Report Date: 06-Jul-2010 16:54

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SB70-1-2

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005157-07
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005157-07A70
Analyst: OWS

% Moisture: 11 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

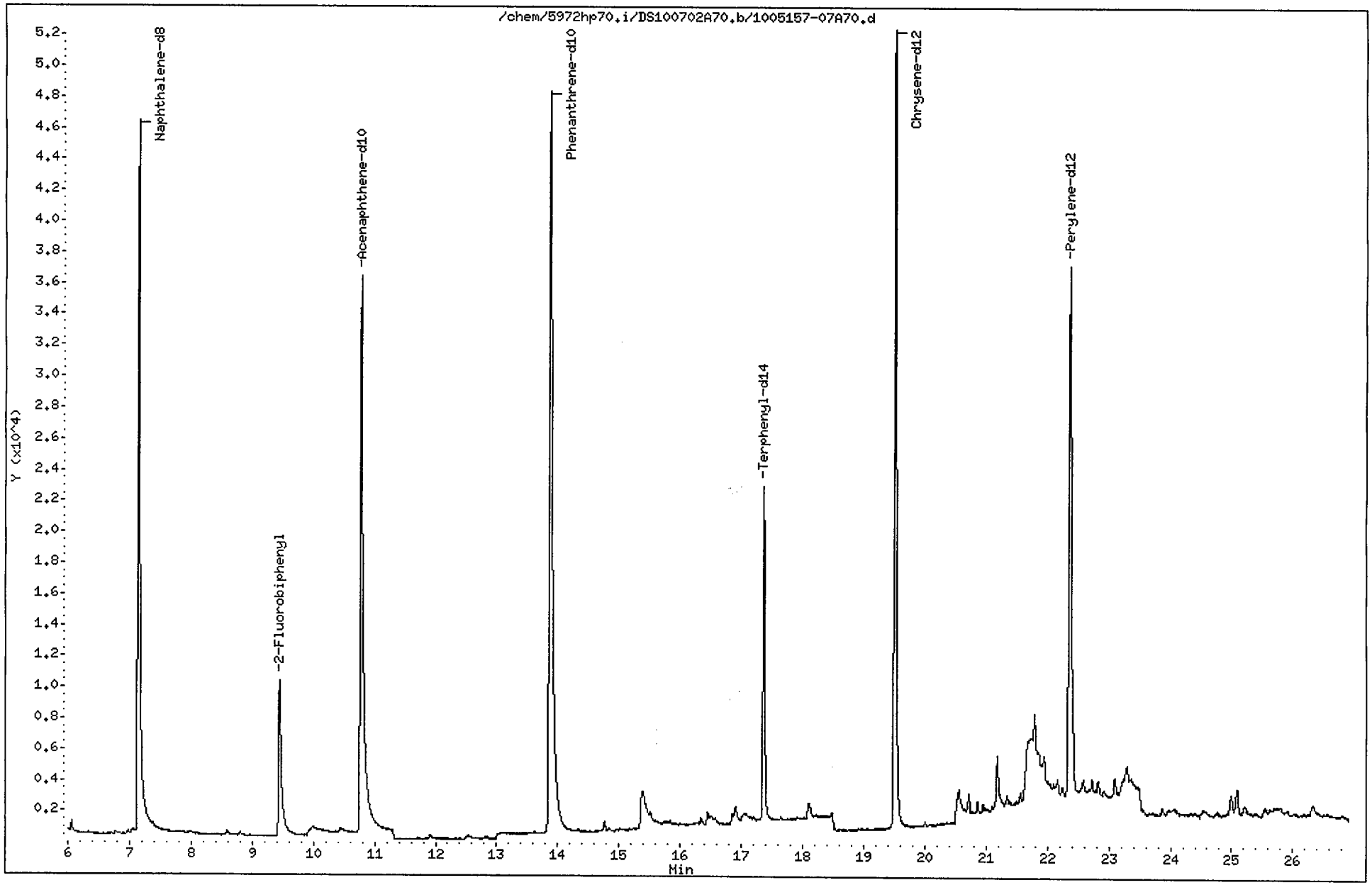
Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.81	9.3	ND	U
91-57-6	2-Methylnaphthalene	0.77	9.3	ND	U
208-96-8	Acenaphthylene	0.60	9.3	ND	U
83-32-9	Acenaphthene	0.67	9.3	ND	U
86-73-7	Fluorene	0.51	9.3	ND	U
85-01-8	Phenanthrene	1.5	9.3	ND	U
120-12-7	Anthracene	0.49	9.3	ND	U
206-44-0	Fluoranthene	1.5	9.3	ND	U
129-00-0	Pyrene	0.64	9.3	ND	U
56-55-3	Benzo(a)anthracene	0.64	9.3	ND	U
218-01-9	Chrysene	0.71	9.3	ND	U
205-99-2	Benzo(b)fluoranthene	0.64	9.3	ND	U
207-08-9	Benzo(k)fluoranthene	0.49	9.3	ND	U
50-32-8	Benzo(a)pyrene	0.43	9.3	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.41	9.3	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.37	9.3	ND	U
191-24-2	Benzo(g,h,i)perylene	0.43	9.3	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp70.i/DS100702A70.b/1005157-07A70.d
Date : 02-JUL-2010 11:06
Client ID: SB70-1-2
Sample Info: 1005157-07:MW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100702A70.b/1005157-07A70.d
Report Date: 06-Jul-2010 16:54

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100702A70.b/1005157-07A70.d
Lab Smp Id: 1005157-07 Client Smp ID: SB70-1-2
Inj Date : 02-JUL-2010 11:06
Operator : OWS Inst ID: 5972hp70.i
Smp Info : 1005157-07:MW
Misc Info : SB70-1-2
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100702A70.b/SIM_8270Cv3DOD.m
Meth Date : 06-Jul-2010 16:42 mead Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	11.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
* 1 1,4-Dichlorobenzene-d4	152	4.843	4.836	(1.000)	25886	2.00000		(a)
* 2 Naphthalene-d8	136	7.147	7.153	(1.000)	99339	2.00000		(a)
* 3 Acenaphthene-d10	164	10.775	10.790	(1.000)	60888	2.00000		(a)
* 4 Phenanthrene-d10	188	13.877	13.885	(1.000)	124983	2.00000		(a)
* 5 Chrysene-d12	240	19.506	19.516	(1.000)	92467	2.00000		(a)
* 6 Perylene-d12	264	22.358	22.366	(1.000)	78379	2.00000		(a)
$ 9 Nitrobenzene-d5	82	5.875	5.881	(0.822)	17831	0.55468	10	
$ 10 2-Fluorobiphenyl	172	9.445	9.468	(0.877)	24724	0.58918	11	
$ 12 Terphenyl-d14	244	17.359	17.371	(0.890)	33732	1.02484	19	
13 Naphthalene	128	Compound Not Detected.						
15 2-Methylnaphthalene	141	Compound Not Detected.						
17 Acenaphthylene	152	Compound Not Detected.						
18 Acenaphthene	154	Compound Not Detected.						

RW 7/6/10

Data File: /chem/5972hp70.i/DS100702A70.b/1005157-07A70.d
Report Date: 06-Jul-2010 16:54

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SB73-9-10

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/17/10

Lab Sample ID: 1005157-01
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 1005157-01B70
Analyst: TD

% Moisture: 20 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

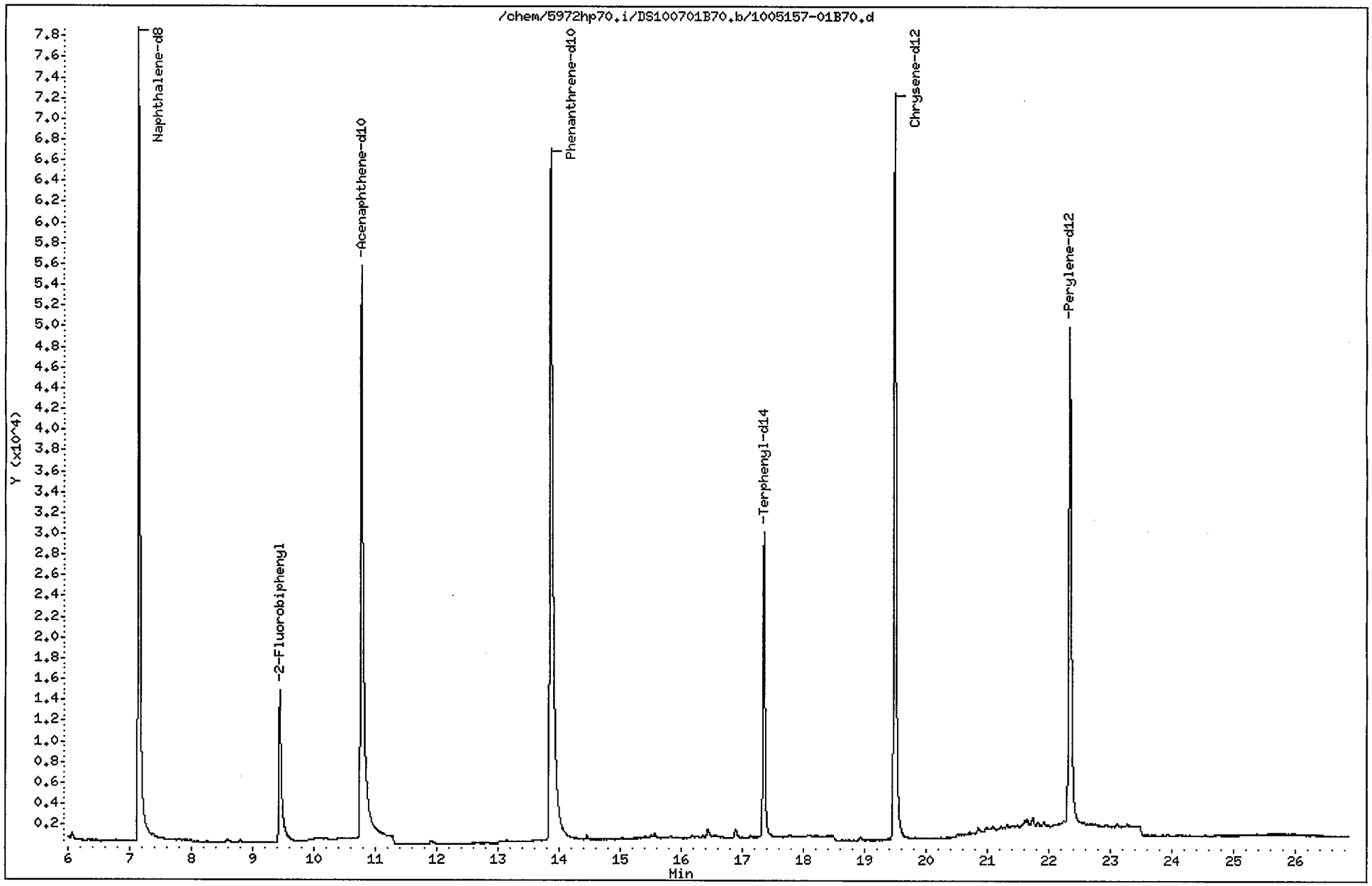
Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.90	10	ND	U
91-57-6	2-Methylnaphthalene	0.85	10	ND	U
208-96-8	Acenaphthylene	0.67	10	ND	U
83-32-9	Acenaphthene	0.75	10	ND	U
86-73-7	Fluorene	0.56	10	ND	U
85-01-8	Phenanthrene	1.6	10	ND	U
120-12-7	Anthracene	0.54	10	ND	U
206-44-0	Fluoranthene	1.7	10	ND	U
129-00-0	Pyrene	0.71	10	ND	U
56-55-3	Benzo(a)anthracene	0.71	10	ND	U
218-01-9	Chrysene	0.79	10	ND	U
205-99-2	Benzo(b)fluoranthene	0.71	10	ND	U
207-08-9	Benzo(k)fluoranthene	0.54	10	ND	U
50-32-8	Benzo(a)pyrene	0.48	10	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.46	10	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.42	10	ND	U
191-24-2	Benzo(g,h,i)perylene	0.48	10	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp70.i/DS100701B70.b/1005157-01B70.d
Date : 02-JUL-2010 05:32
Client ID: SB73-9-10
Sample Info: 1005157-01:TD
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: TD
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701B70.b/1005157-01B70.d
Report Date: 07-Jul-2010 09:56

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701B70.b/1005157-01B70.d
Lab Smp Id: 1005157-01 Client Smp ID: SB73-9-10
Inj Date : 02-JUL-2010 05:32
Operator : TD Inst ID: 5972hp70.i
Smp Info : 1005157-01:TD
Misc Info : SB73-9-10
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701B70.b/SIM_8270Cv3DOD.m
Meth Date : 07-Jul-2010 09:56 parikh Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	20.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
*	1 1,4-Dichlorobenzene-d4	152	4.849	4.848	(1.000)	38586	2.00000	
*	2 Naphthalene-d8	136	7.145	7.162	(1.000)	149867	2.00000	
*	3 Acenaphthene-d10	164	10.770	10.784	(1.000)	89564	2.00000	
*	4 Phenanthrene-d10	188	13.864	13.872	(1.000)	179591	2.00000	
*	5 Chrysene-d12	240	19.493	19.499	(1.000)	135353	2.00000	
*	6 Perylene-d12	264	22.344	22.344	(1.000)	120442	2.00000	
$	9 Nitrobenzene-d5	82	5.881	5.880	(0.823)	28599	0.58970	12
$	10 2-Fluorobiphenyl	172	9.441	9.460	(0.877)	34068	0.55192	11
$	12 Terphenyl-d14	244	17.353	17.362	(0.890)	48580	1.00831	21
	13 Naphthalene	128	Compound Not Detected.					
	15 2-Methylnaphthalene	141	Compound Not Detected.					
	17 Acenaphthylene	152	Compound Not Detected.					
	18 Acenaphthene	154	Compound Not Detected.					

SK
07/07/10

Data File: /chem/5972hp70.i/DS100701B70.b/1005157-01B70.d
Report Date: 07-Jul-2010 09:56

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SB82-2-3

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/21/10

Lab Sample ID: 1005157-17
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005157-17A70
Analyst: OWS

% Moisture: 14 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

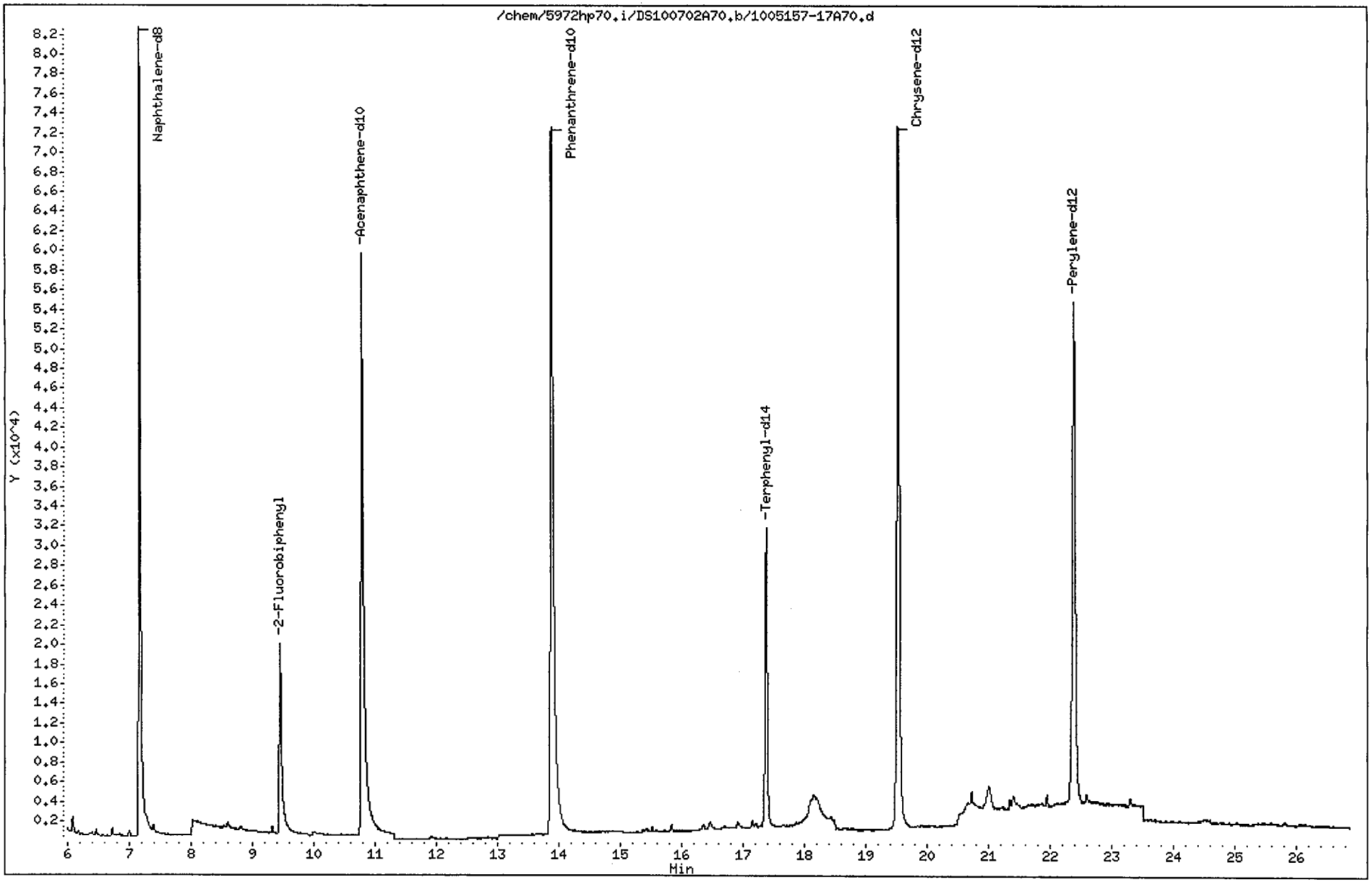
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.83	9.7	ND	U
91-57-6	2-Methylnaphthalene	0.79	9.7	ND	U
208-96-8	Acenaphthylene	0.62	9.7	ND	U
83-32-9	Acenaphthene	0.70	9.7	ND	U
86-73-7	Fluorene	0.52	9.7	ND	U
85-01-8	Phenanthrene	1.5	9.7	ND	U
120-12-7	Anthracene	0.50	9.7	ND	U
206-44-0	Fluoranthene	1.6	9.7	ND	U
129-00-0	Pyrene	0.66	9.7	ND	U
56-55-3	Benzo(a)anthracene	0.66	9.7	ND	U
218-01-9	Chrysene	0.74	9.7	ND	U
205-99-2	Benzo(b)fluoranthene	0.66	9.7	ND	U
207-08-9	Benzo(k)fluoranthene	0.50	9.7	ND	U
50-32-8	Benzo(a)pyrene	0.45	9.7	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.43	9.7	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.39	9.7	ND	U
191-24-2	Benzo(g,h,i)perylene	0.45	9.7	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100702A70.b/1005157-17A70.d
Date : 02-JUL-2010 17:01
Client ID: SB82-2-3
Sample Info: 1005157-17:MW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100702A70.b/1005157-17A70.d
Report Date: 06-Jul-2010 16:55

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100702A70.b/1005157-17A70.d
Lab Smp Id: 1005157-17 Client Smp ID: SB82-2-3
Inj Date : 02-JUL-2010 17:01
Operator : OWS Inst ID: 5972hp70.i
Smp Info : 1005157-17:MW
Misc Info : SB82-2-3
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100702A70.b/SIM_8270Cv3DOD.m
Meth Date : 06-Jul-2010 16:42 mead Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL) (1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	14.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 1	1,4-Dichlorobenzene-d4	152	4.866	4.836	(1.000)	40046	2.00000	
* 2	Naphthalene-d8	136	7.162	7.153	(1.000)	160203	2.00000	
* 3	Acenaphthene-d10	164	10.782	10.790	(1.000)	95993	2.00000	
* 4	Phenanthrene-d10	188	13.881	13.885	(1.000)	198970	2.00000	
* 5	Chrysene-d12	240	19.524	19.516	(1.000)	159773	2.00000	
* 6	Perylene-d12	264	22.380	22.366	(1.000)	139378	2.00000	
$ 9	Nitrobenzene-d5	82	5.907	5.881	(0.825)	35215	0.67927	13
$ 10	2-Fluorobiphenyl	172	9.449	9.468	(0.876)	41885	0.63312	12
$ 12	Terphenyl-d14	244	17.371	17.371	(0.890)	56337	0.99059	19
13	Naphthalene	128	Compound Not Detected.					
15	2-Methylnaphthalene	141	Compound Not Detected.					
17	Acenaphthylene	152	Compound Not Detected.					
18	Acenaphthene	154	Compound Not Detected.					

pm 7/6/10

Data File: /chem/5972hp70.i/DS100702A70.b/1005157-17A70.d
Report Date: 06-Jul-2010 16:55

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SB82D-2-3

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/21/10

Lab Sample ID: 1005157-18
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005157-18A70
Analyst: OWS

% Moisture: 14 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

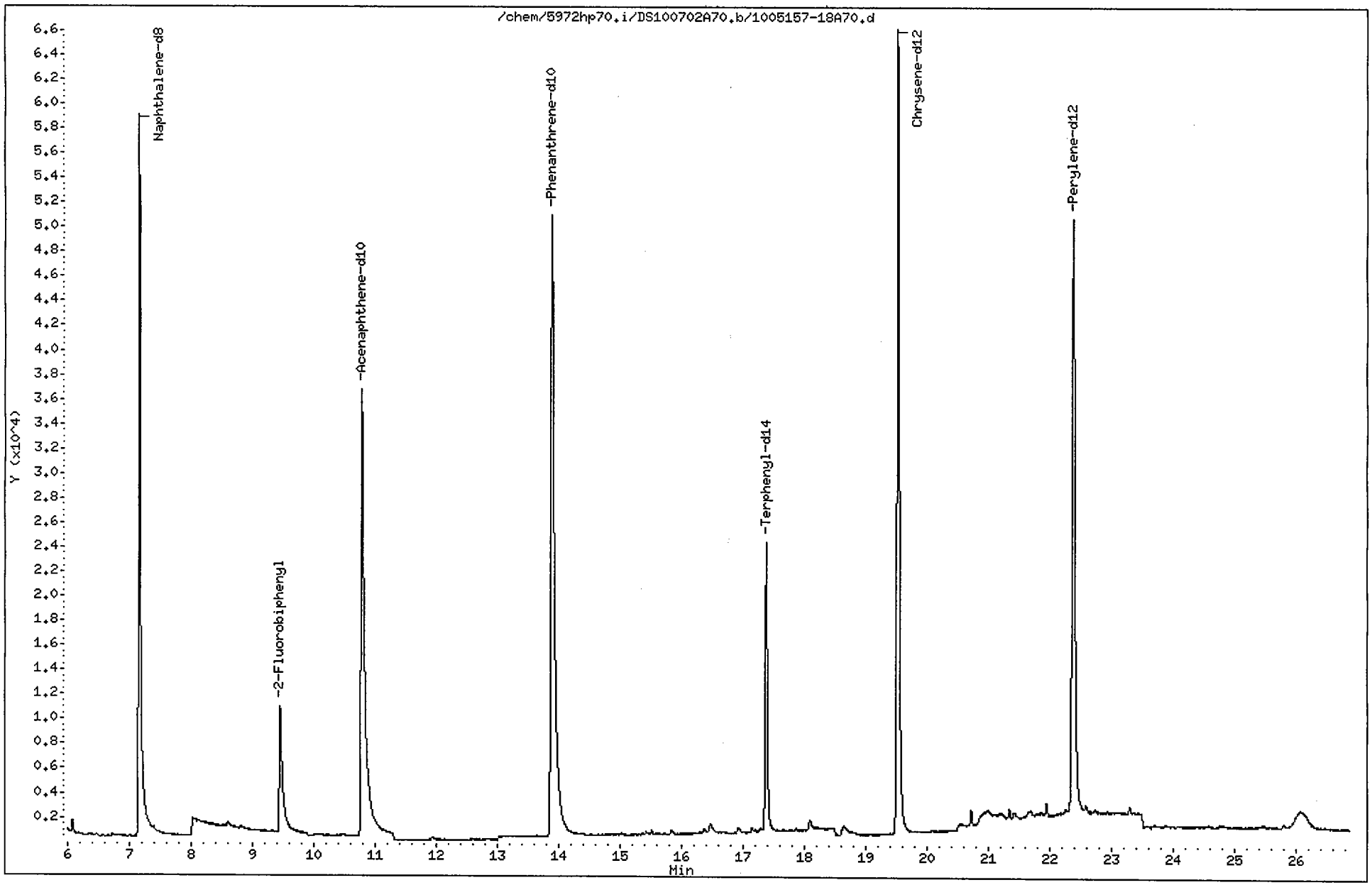
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.83	9.7	ND	U
91-57-6	2-Methylnaphthalene	0.79	9.7	ND	U
208-96-8	Acenaphthylene	0.62	9.7	ND	U
83-32-9	Acenaphthene	0.70	9.7	ND	U
86-73-7	Fluorene	0.52	9.7	ND	U
85-01-8	Phenanthrene	1.5	9.7	ND	U
120-12-7	Anthracene	0.50	9.7	ND	U
206-44-0	Fluoranthene	1.6	9.7	ND	U
129-00-0	Pyrene	0.66	9.7	ND	U
56-55-3	Benzo(a)anthracene	0.66	9.7	ND	U
218-01-9	Chrysene	0.74	9.7	ND	U
205-99-2	Benzo(b)fluoranthene	0.66	9.7	ND	U
207-08-9	Benzo(k)fluoranthene	0.50	9.7	ND	U
50-32-8	Benzo(a)pyrene	0.45	9.7	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.43	9.7	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.39	9.7	ND	U
191-24-2	Benzo(g,h,i)perylene	0.45	9.7	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100702A70.b/1005157-18A70.d
Date : 02-JUL-2010 17:36
Client ID: SB82D-2-3
Sample Info: 1005157-18:MW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100702A70.b/1005157-18A70.d
Report Date: 06-Jul-2010 16:55

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100702A70.b/1005157-18A70.d
Lab Smp Id: 1005157-18 Client Smp ID: SB82D-2-3
Inj Date : 02-JUL-2010 17:36
Operator : OWS Inst ID: 5972hp70.i
Smp Info : 1005157-18:MW
Misc Info : SB82D-2-3
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100702A70.b/SIM_8270Cv3DOD.m
Meth Date : 06-Jul-2010 16:42 mead Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	14.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 1	1,4-Dichlorobenzene-d4	152	4.860	4.836	(1.000)	31205	2.00000	
* 2	Naphthalene-d8	136	7.161	7.153	(1.000)	125620	2.00000	
* 3	Acenaphthene-d10	164	10.790	10.790	(1.000)	77765	2.00000	
* 4	Phenanthrene-d10	188	13.889	13.885	(1.000)	159712	2.00000	
* 5	Chrysene-d12	240	19.525	19.516	(1.000)	134805	2.00000	
* 6	Perylene-d12	264	22.379	22.366	(1.000)	124978	2.00000	
$ 9	Nitrobenzene-d5	82	5.901	5.881	(0.824)	23306	0.57332	11
$ 10	2-Fluorobiphenyl	172	9.455	9.468	(0.876)	29045	0.54194	11
$ 12	Terphenyl-d14	244	17.375	17.371	(0.890)	42313	0.88180	17
13	Naphthalene	128	Compound Not Detected.					
15	2-Methylnaphthalene	141	Compound Not Detected.					
17	Acenaphthylene	152	Compound Not Detected.					
18	Acenaphthene	154	Compound Not Detected.					

pm 7/6/10

Data File: /chem/5972hp70.i/DS100702A70.b/1005157-18A70.d
Report Date: 06-Jul-2010 16:55

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SB90-2-3

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/19/10

Lab Sample ID: 1005157-05
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005157-05B70
Analyst: TD

% Moisture: 16 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

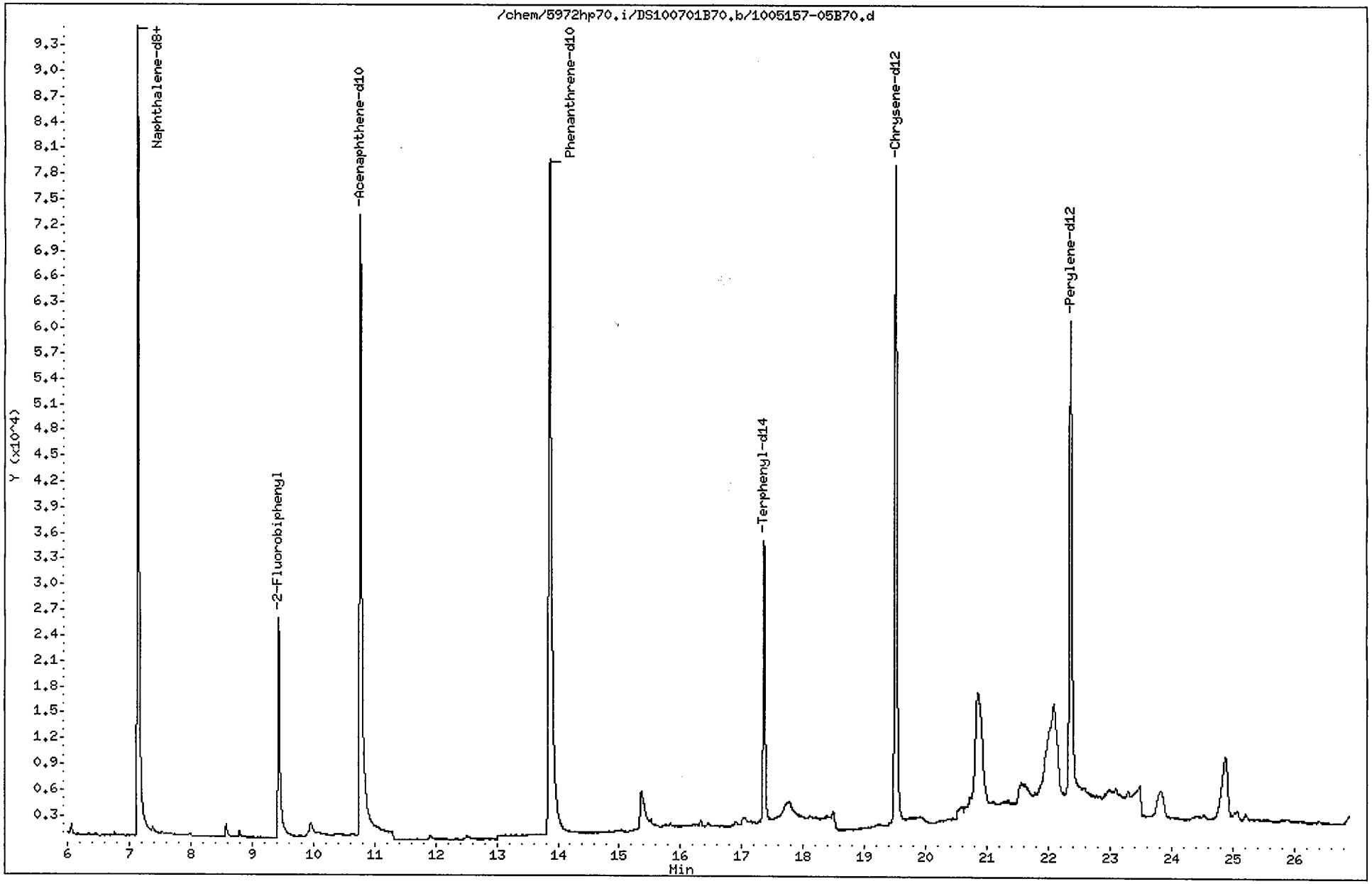
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.85	9.9	0.89	J
91-57-6	2-Methylnaphthalene	0.81	9.9	ND	U
208-96-8	Acenaphthylene	0.63	9.9	ND	U
83-32-9	Acenaphthene	0.71	9.9	ND	U
86-73-7	Fluorene	0.54	9.9	ND	U
85-01-8	Phenanthrene	1.6	9.9	ND	U
120-12-7	Anthracene	0.52	9.9	ND	U
206-44-0	Fluoranthene	1.6	9.9	ND	U
129-00-0	Pyrene	0.67	9.9	ND	U
56-55-3	Benzo(a)anthracene	0.67	9.9	ND	U
218-01-9	Chrysene	0.75	9.9	ND	U
205-99-2	Benzo(b)fluoranthene	0.67	9.9	ND	U
207-08-9	Benzo(k)fluoranthene	0.52	9.9	ND	U
50-32-8	Benzo(a)pyrene	0.46	9.9	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.44	9.9	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.40	9.9	ND	U
191-24-2	Benzo(g,h,i)perylene	0.46	9.9	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100701B70.b/1005157-05B70.d
Date : 02-JUL-2010 09:05
Client ID: SB90-2-3
Sample Info: 1005157-05:TD
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: TD
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701B70.b/1005157-05B70.d
Report Date: 06-Jul-2010 16:23

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701B70.b/1005157-05B70.d
Lab Smp Id: 1005157-05 Client Smp ID: SB90-2-3
Inj Date : 02-JUL-2010 09:05
Operator : TD Inst ID: 5972hp70.i
Smp Info : 1005157-05:TD
Misc Info : SB90-2-3
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701B70.b/SIM_8270Cv3DOD.m
Meth Date : 06-Jul-2010 15:50 mead Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL) (1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	16.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	4.854	4.848	(1.000)	42205	2.00000	
* 2 Naphthalene-d8	136	7.146	7.162	(1.000)	164684	2.00000	
* 3 Acenaphthene-d10	164	10.770	10.784	(1.000)	98867	2.00000	
* 4 Phenanthrene-d10	188	13.868	13.872	(1.000)	198417	2.00000	
* 5 Chrysene-d12	240	19.507	19.499	(1.000)	144808	2.00000	
* 6 Perylene-d12	264	22.357	22.344	(1.000)	127892	2.00000	
$ 9 Nitrobenzene-d5	82	5.878	5.880	(0.823)	37748	0.70832	14
$ 10 2-Fluorobiphenyl	172	9.438	9.460	(0.876)	45884	0.67340	13
$ 12 Terphenyl-d14	244	17.358	17.362	(0.890)	53843	1.04457	21
13 Naphthalene	128	7.177	7.193	(1.004)	4700	0.04469	0.89(a)
15 2-Methylnaphthalene	141	Compound Not Detected.					
17 Acenaphthylene	152	Compound Not Detected.					
18 Acenaphthene	154	Compound Not Detected.					

RM 7/6/10

Data File: /chem/5972hp70.i/DS100701B70.b/1005157-05B70.d
Report Date: 06-Jul-2010 16:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /chem/5972hp70.i/DS100701B70.b/1005157-05B70.d

Date : 02-JUL-2010 09:05

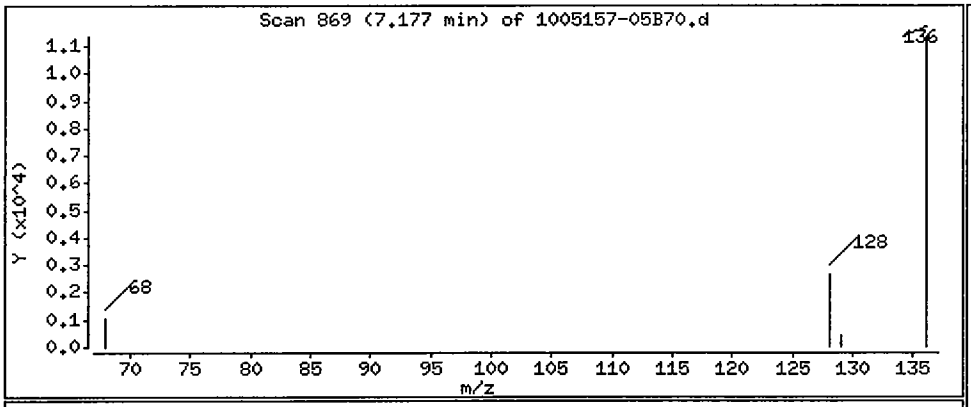
Client ID: SB90-2-3 Instrument: 5972hp70.i

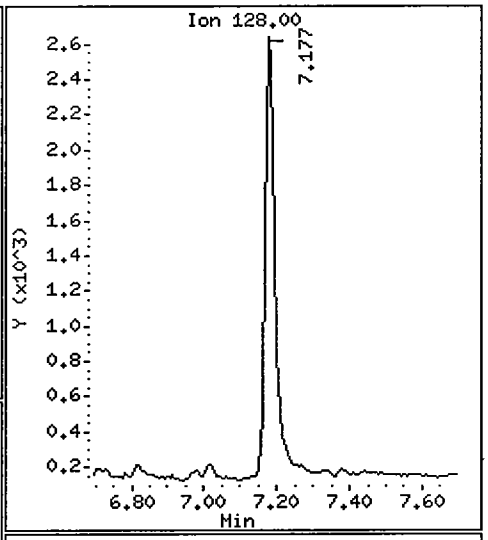
Sample Info: 1005157-05:TD

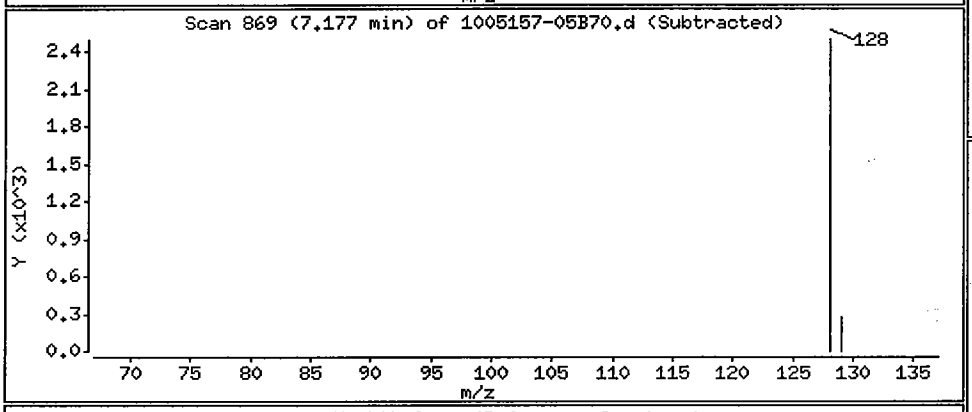
Volume Injected (uL): 2.0 Operator: TD

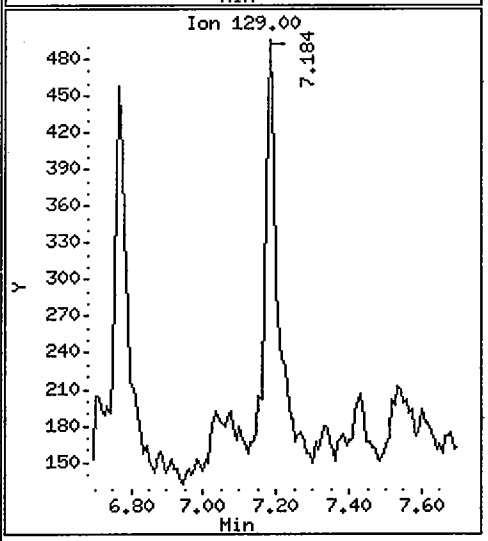
Column phase: Rtx-5MS Column diameter: 0.32

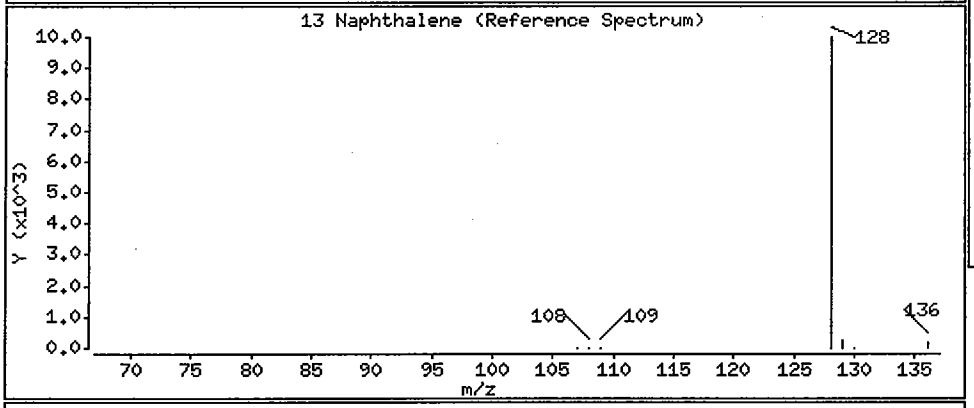
13 Naphthalene Concentration: 0.89 ug/Kg

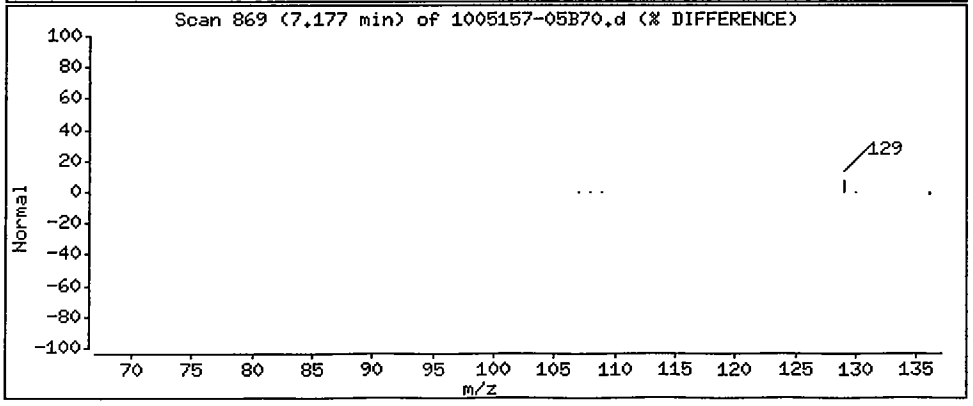












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SS51-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/19/10

Lab Sample ID: 1005157-02
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005157-02B70
Analyst: TD

% Moisture: 28 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

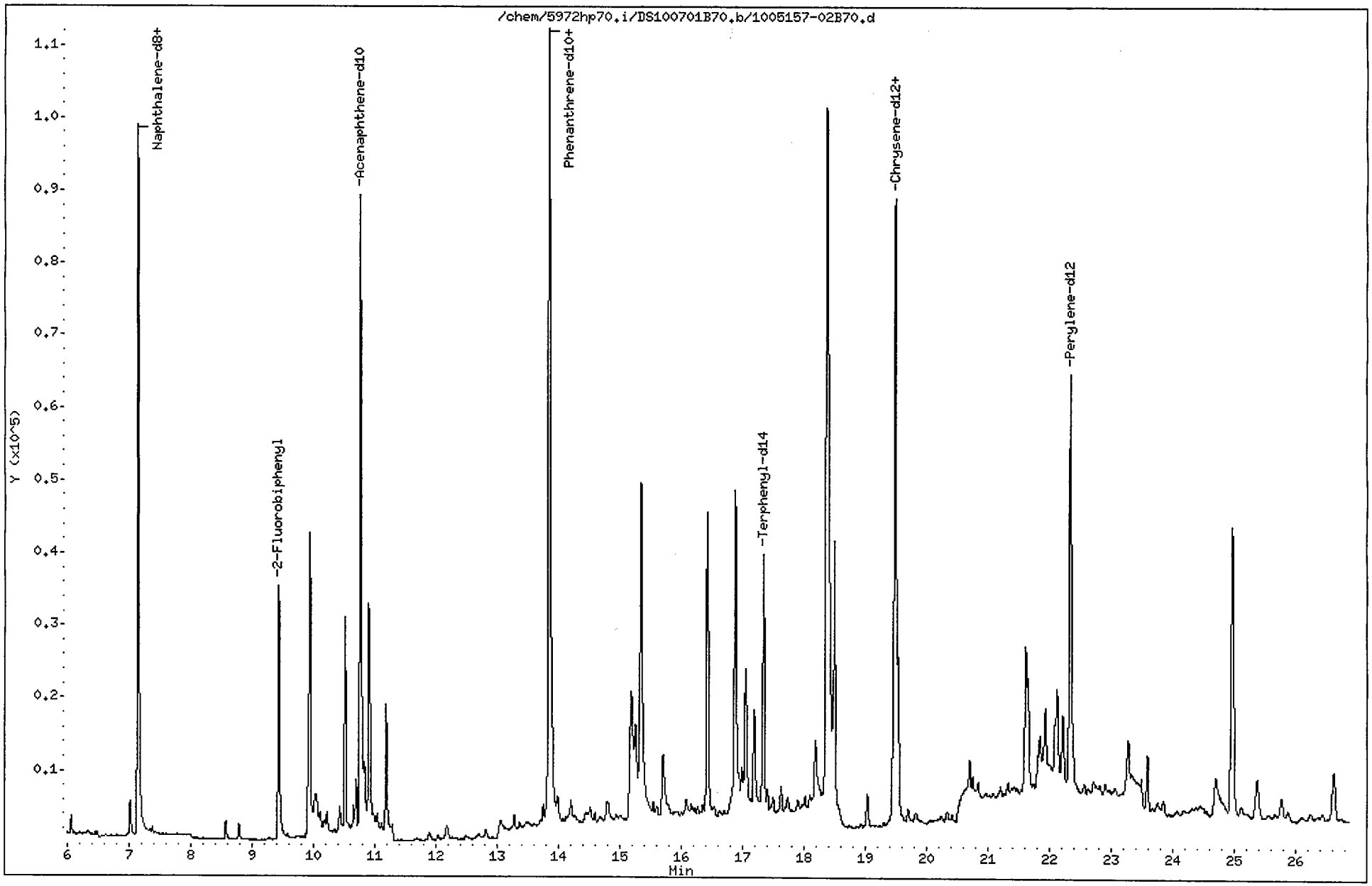
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	1.00	12	1.4	J
91-57-6	2-Methylnaphthalene	0.95	12	1.1	J
208-96-8	Acenaphthylene	0.74	12	0.83	J
83-32-9	Acenaphthene	0.83	12	ND	U
86-73-7	Fluorene	0.63	12	ND	U
85-01-8	Phenanthrene	1.8	12	4.0	J
120-12-7	Anthracene	0.60	12	1.6	J
206-44-0	Fluoranthene	1.9	12	14	
129-00-0	Pyrene	0.79	12	15	
56-55-3	Benzo(a)anthracene	0.79	12	6.6	J
218-01-9	Chrysene	0.88	12	9.3	J
205-99-2	Benzo(b)fluoranthene	0.79	12	11	J
207-08-9	Benzo(k)fluoranthene	0.60	12	6.6	J
50-32-8	Benzo(a)pyrene	0.53	12	5.8	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.51	12	10	J
53-70-3	Dibenzo(a,h)anthracene	0.46	12	2.0	J
191-24-2	Benzo(g,h,i)perylene	0.53	12	5.2	J

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100701B70.b/1005157-02B70.d
Date : 02-JUL-2010 07:19
Client ID: SS51-0-1
Sample Info: 1005157-02:TD
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: TD
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701B70.b/1005157-02B70.d
Report Date: 06-Jul-2010 16:23

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701B70.b/1005157-02B70.d
Lab Smp Id: 1005157-02 Client Smp ID: SS51-0-1
Inj Date : 02-JUL-2010 07:19
Operator : TD Inst ID: 5972hp70.i
Smp Info : 1005157-02:TD
Misc Info : SS51-0-1
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701B70.b/SIM_8270Cv3DOD.m
Meth Date : 06-Jul-2010 15:50 mead Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	28.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	4.848	4.848	(1.000)	41172	2.00000	(a)
* 2 Naphthalene-d8	136	7.139	7.162	(1.000)	159866	2.00000	(a)
* 3 Acenaphthene-d10	164	10.769	10.784	(1.000)	93198	2.00000	(a)
* 4 Phenanthrene-d10	188	13.850	13.872	(1.000)	188270	2.00000	(a)
* 5 Chrysene-d12	240	19.488	19.499	(1.000)	140451	2.00000	(a)
* 6 Perylene-d12	264	22.340	22.344	(1.000)	119368	2.00000	(a)
$ 9 Nitrobenzene-d5	82	5.872	5.880	(0.823)	31823	0.61513	14
$ 10 2-Fluorobiphenyl	172	9.432	9.460	(0.876)	50048	0.77919	18
$ 12 Terphenyl-d14	244	17.345	17.362	(0.890)	51870	1.03751	24
13 Naphthalene	128	7.177	7.193	(1.005)	6214	0.06087	1.4(a)
15 2-Methylnaphthalene	141	8.572	8.596	(1.201)	2273	0.04724	1.1(a)
17 Acenaphthylene	152	10.428	10.455	(0.968)	3160	0.03594	0.83(a)
18 Acenaphthene	154	Compound Not Detected.					

pm 7/6/10

Data File: /chem/5972hp70.i/DS100701B70.b/1005157-02B70.d
Report Date: 06-Jul-2010 16:23

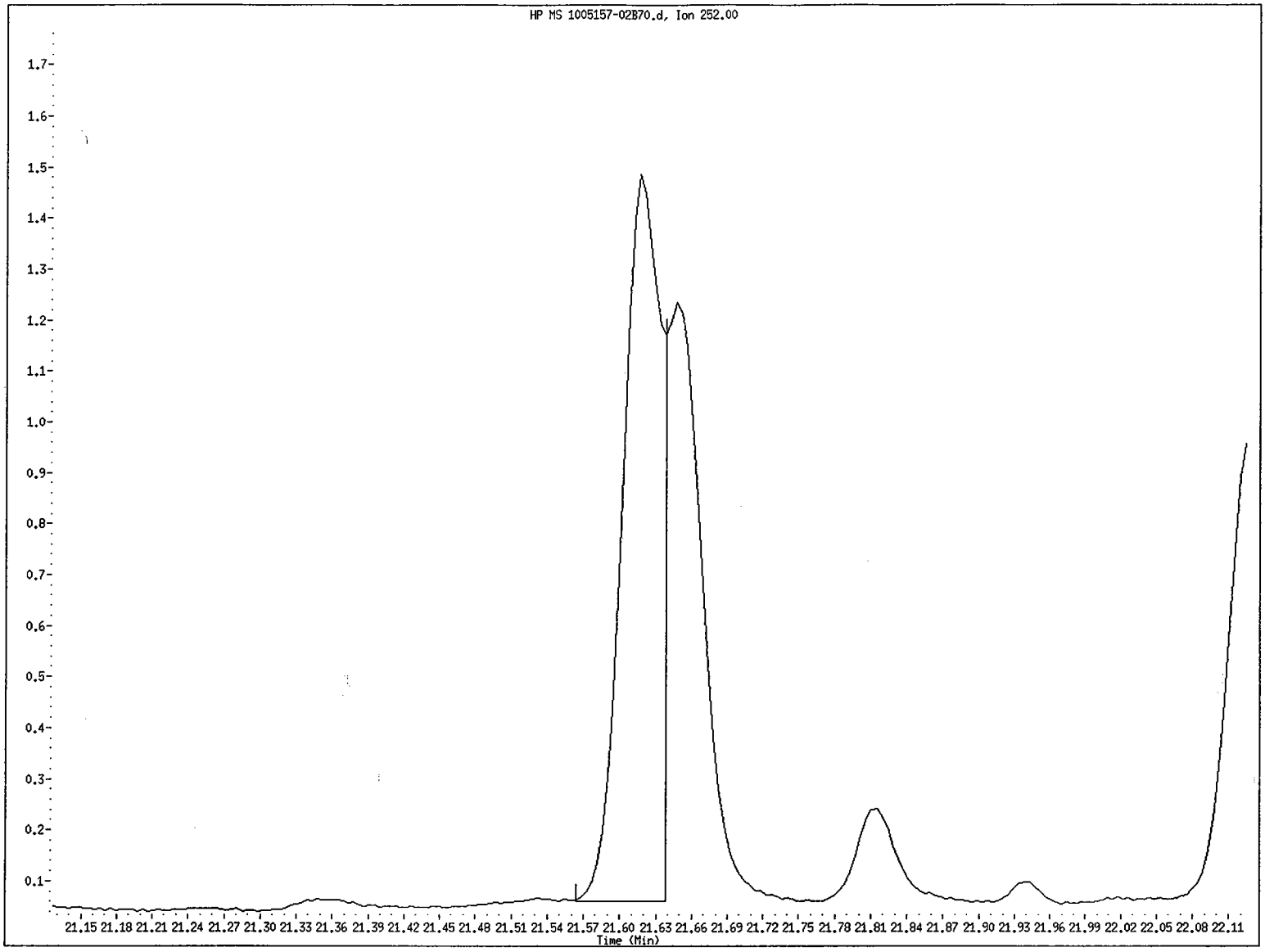
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	13.899	13.916	(1.004)	17835	0.17356	4.0(a)
26 Anthracene	178	13.991	14.009	(1.010)	6448	0.06838	1.6(a)
27 Fluoranthene	202	16.427	16.440	(1.186)	61626	0.61074	14
28 Pyrene	202	16.882	16.894	(0.866)	64439	0.63486	15
29 Benzo(a)anthracene	228	19.453	19.468	(0.998)	20958	0.28340	6.6(a)
30 Chrysene	228	19.537	19.552	(1.002)	35420	0.40233	9.3(a)
31 Benzo(b)fluoranthene	252	21.616	21.625	(0.968)	33070	0.47342	11(aM)
32 Benzo(k)fluoranthene	252	21.647	21.665	(0.969)	24597	0.28469	6.6(aM)
33 Benzo(a)pyrene	252	22.216	22.225	(0.994)	16606	0.25167	5.8(a)
34 Indeno(1,2,3-cd)pyrene	276	24.702	24.710	(1.106)	13386	0.43923	10(a)
35 Dibenzo(a,h)anthracene	278	24.764	24.776	(1.108)	5117	0.08769	2.0(aM)
36 Benzo(g,h,i)perylene	276	25.377	25.385	(1.136)	14397	0.22321	5.2(a)

2 2 2 RLM 7/6/10

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Benzo(b)fluoranthene CAS Number 205-99-2 Area = 33070 Manually integrated



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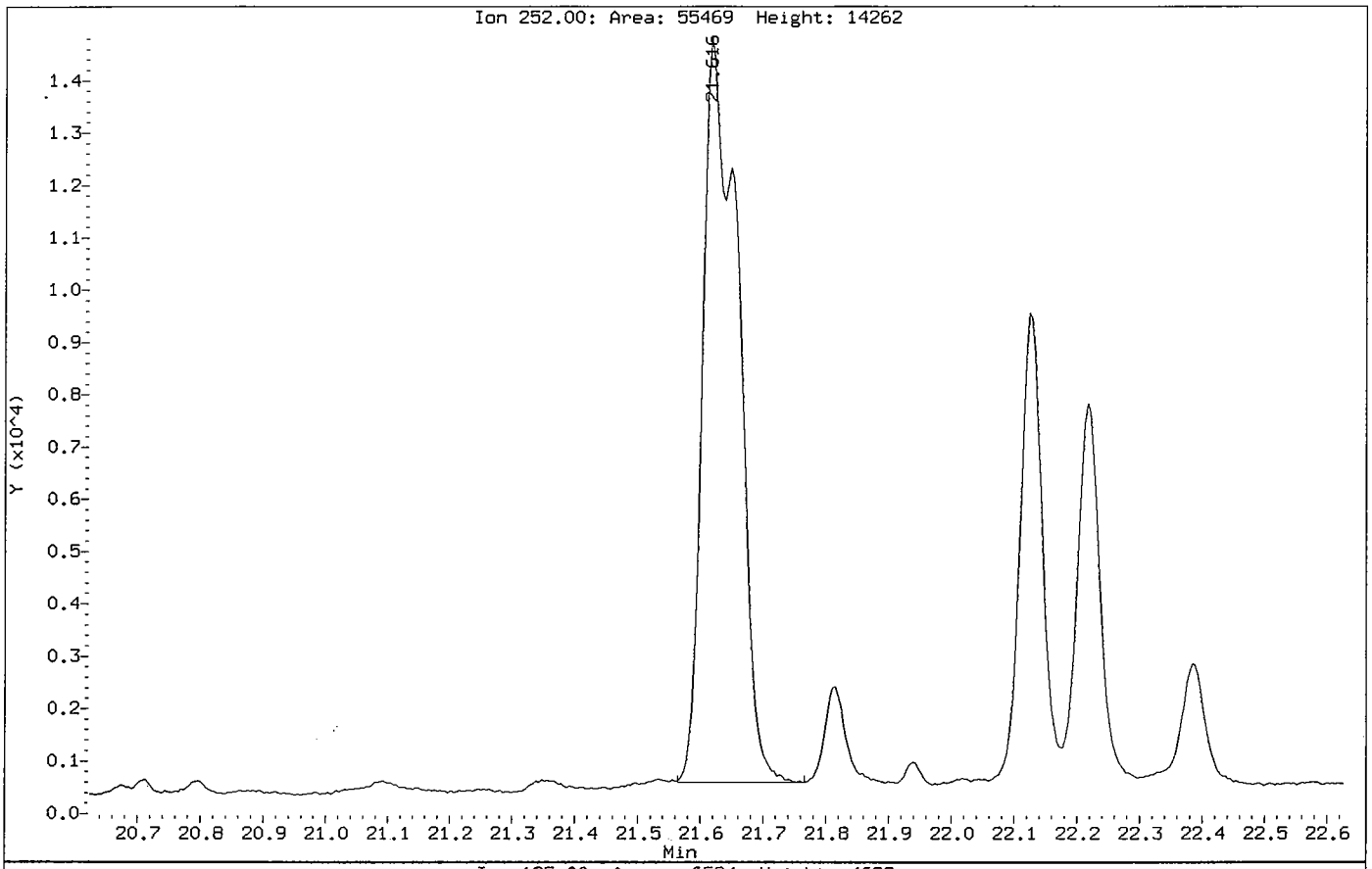
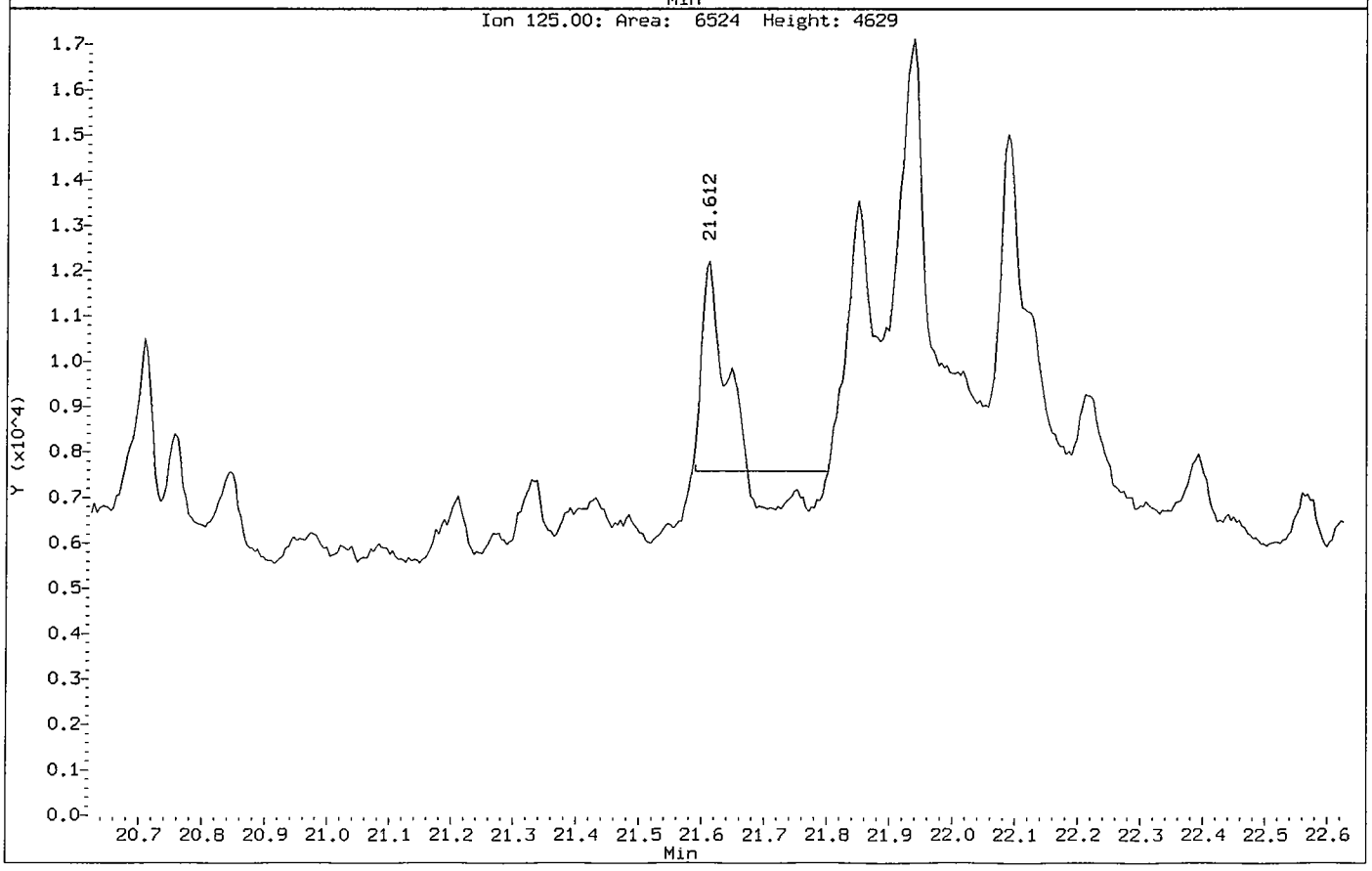
Client ID: SS51-0-1
Instrument ID: 5972hp70.i
Injection Date and Time: 02-JUL-2010 07:19
Retention Time: 21.62
Operator ID: TD

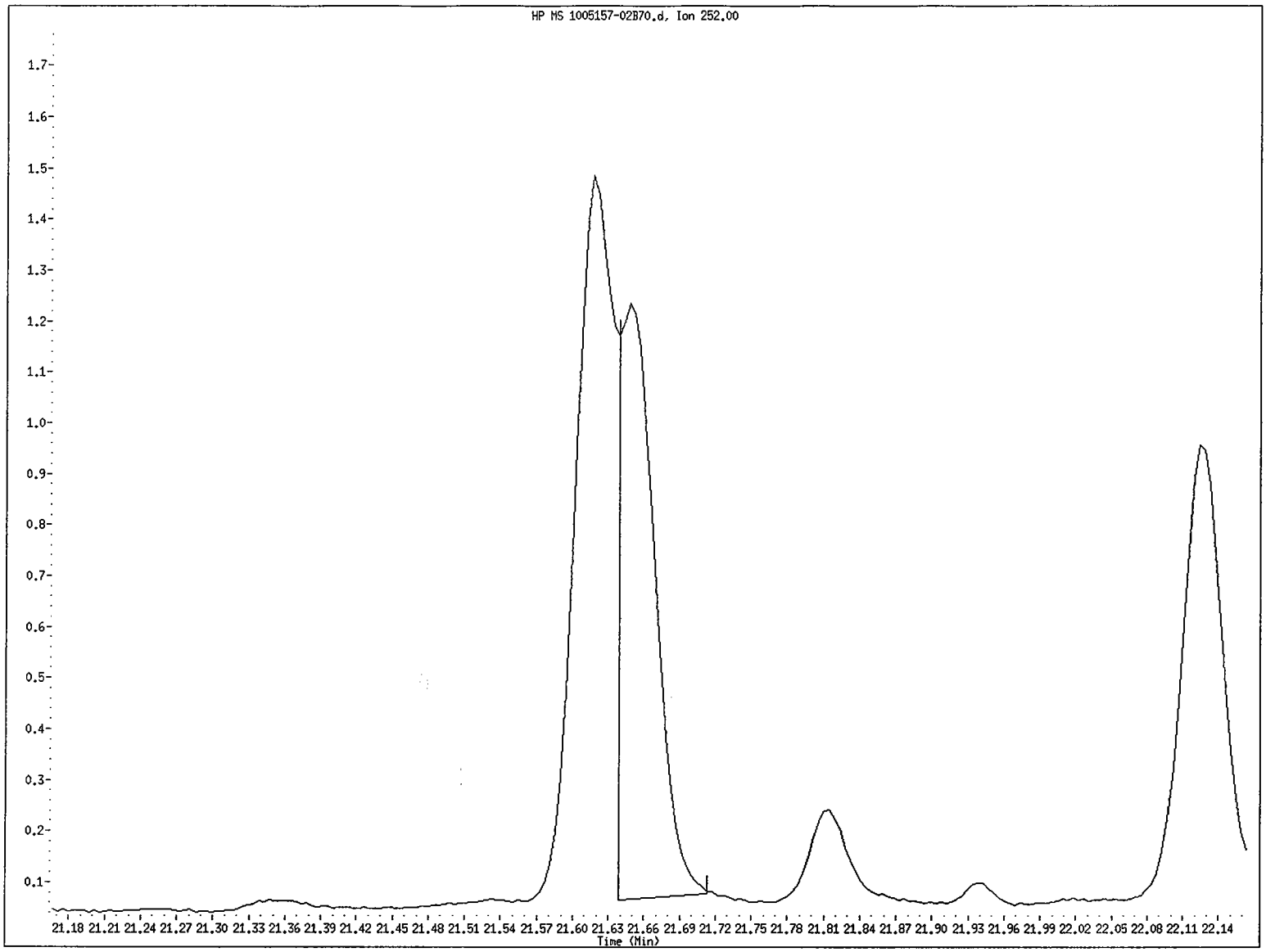
Data File: /chem/5972hp70.i/DS100701B70.b/1005157-02B70.d
Injection Date: 02-JUL-2010 07:19
Instrument: 5972hp70.i
Client Sample ID: SS51-0-1

Compound: Benzo(b)fluoranthene
CAS Number: 205-99-2





Benzo(k)fluoranthene CAS Number 207-08-9 Area = 24597 Manually integrated



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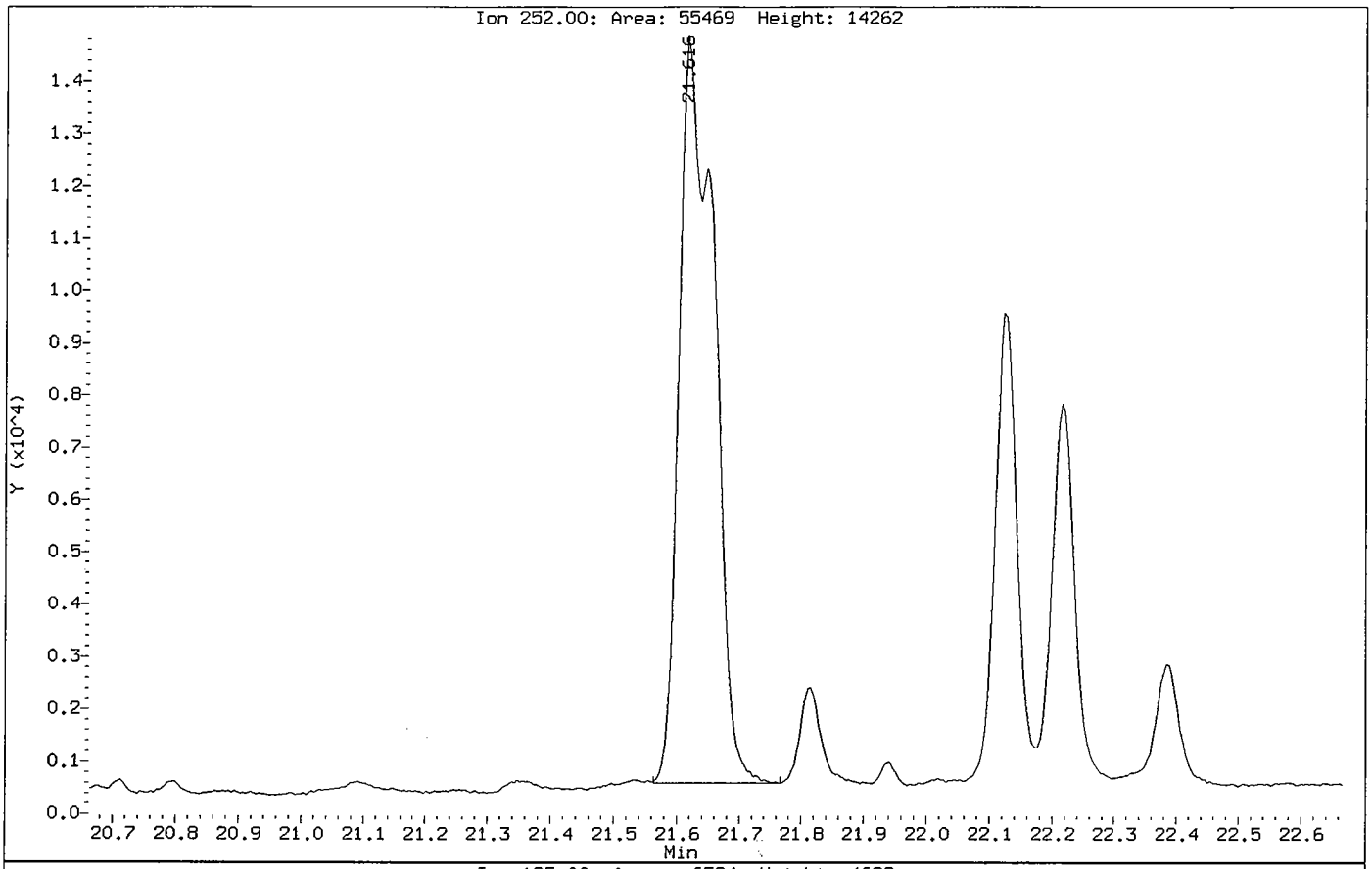
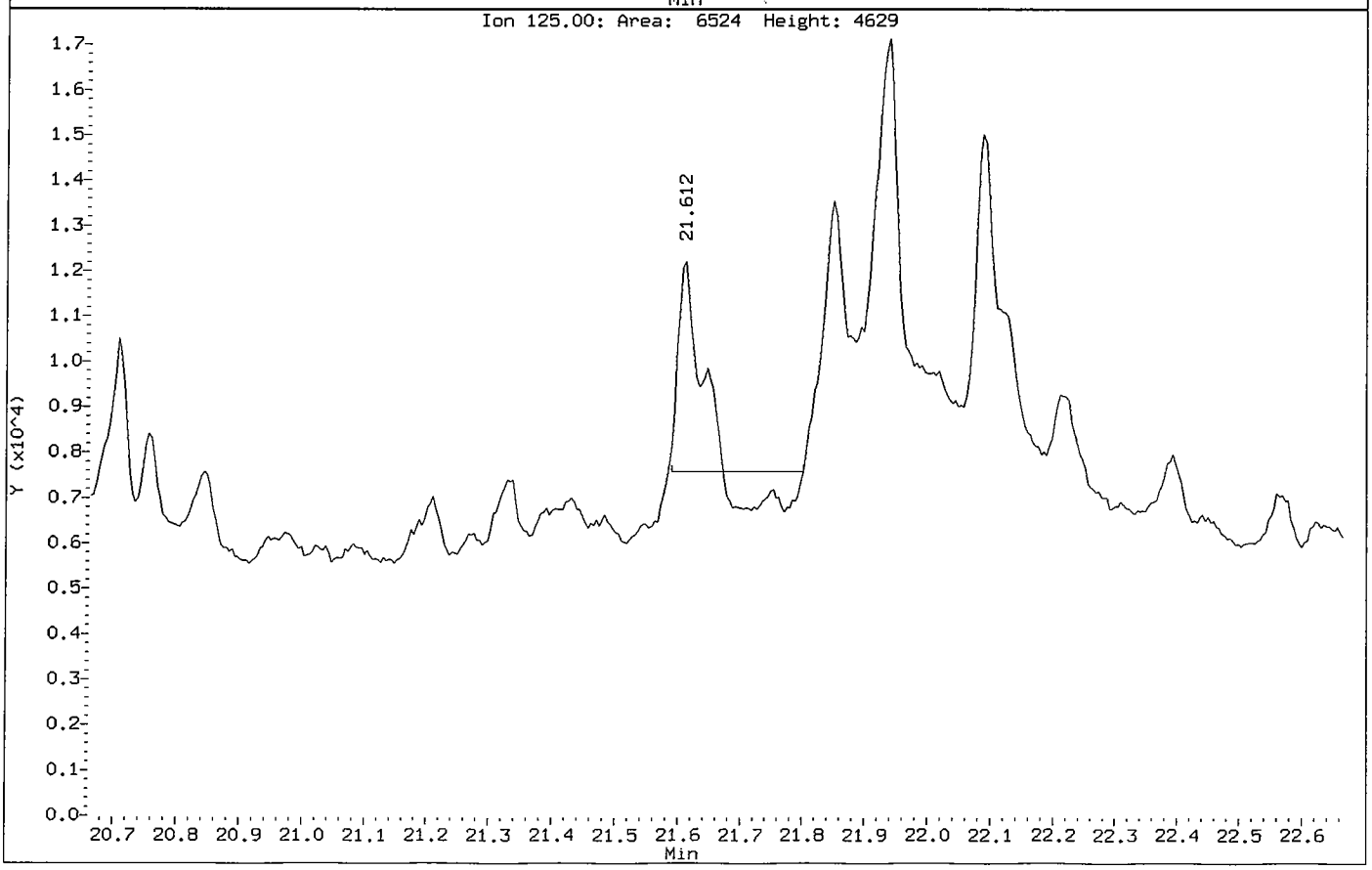
Client ID: SS51-0-1
Instrument ID: 5972hp70.i
Injection Date and Time: 02-JUL-2010 07:19
Retention Time: 21.65
Operator ID: TD

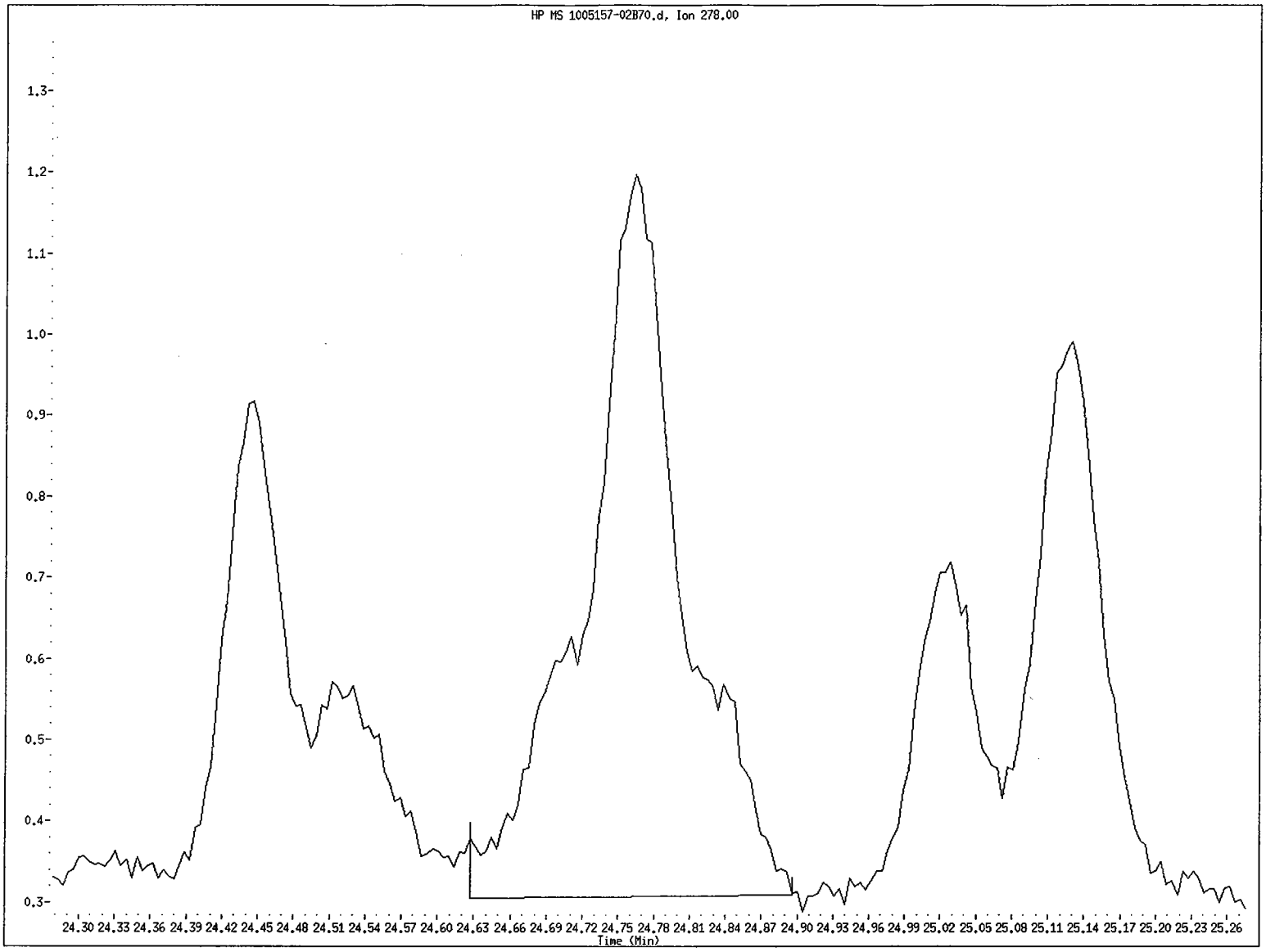
Data File: /chem/5972hp70.i/DS100701B70.b/1005157-02B70.d
Injection Date: 02-JUL-2010 07:19
Instrument: 5972hp70.i
Client Sample ID: SS51-0-1

Compound: Benzo(k)fluoranthene
CAS Number: 207-08-9





Dibenzo(a,h)anthracene CAS Number 53-70-3 Area = 5117 Manually integrated



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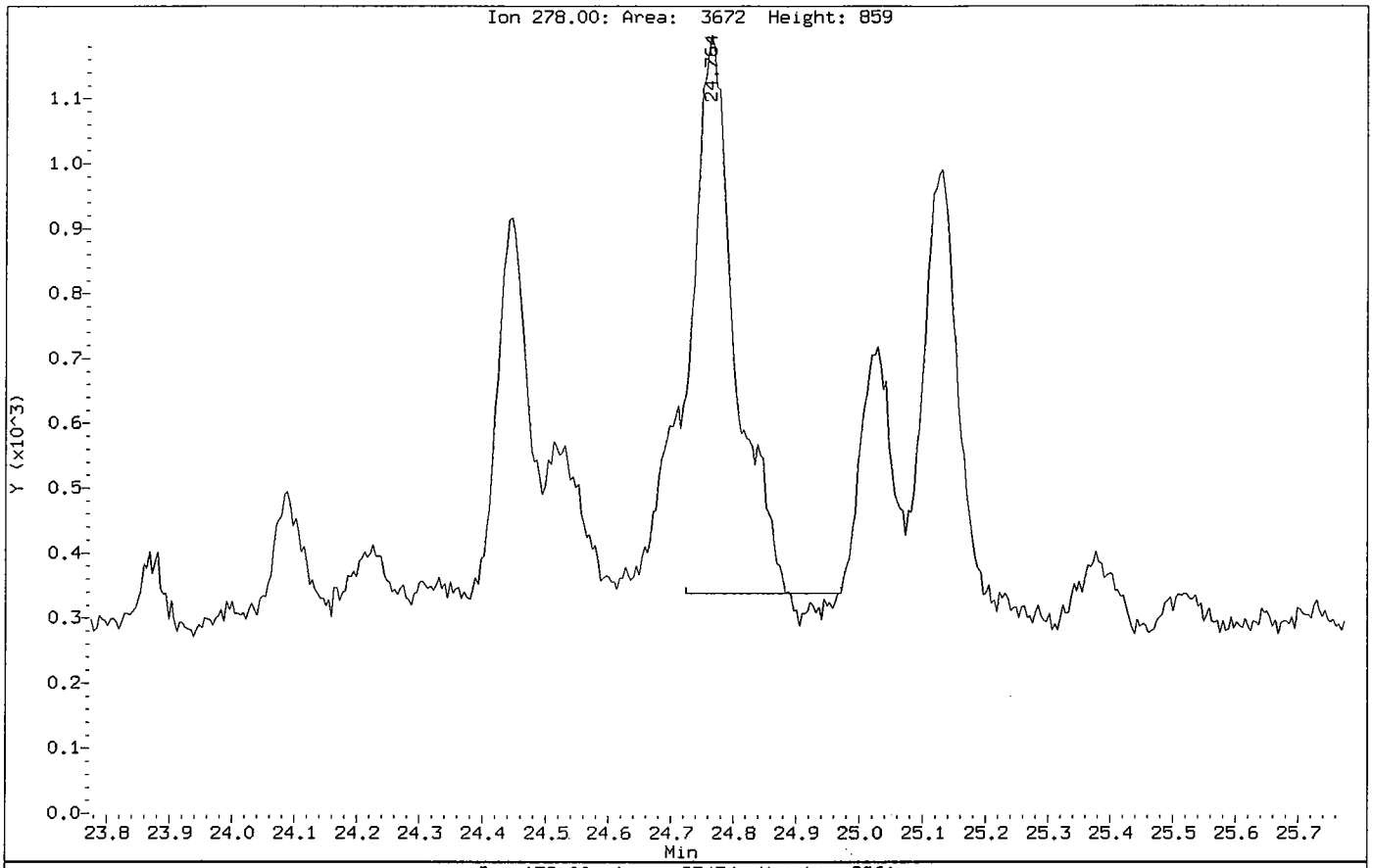
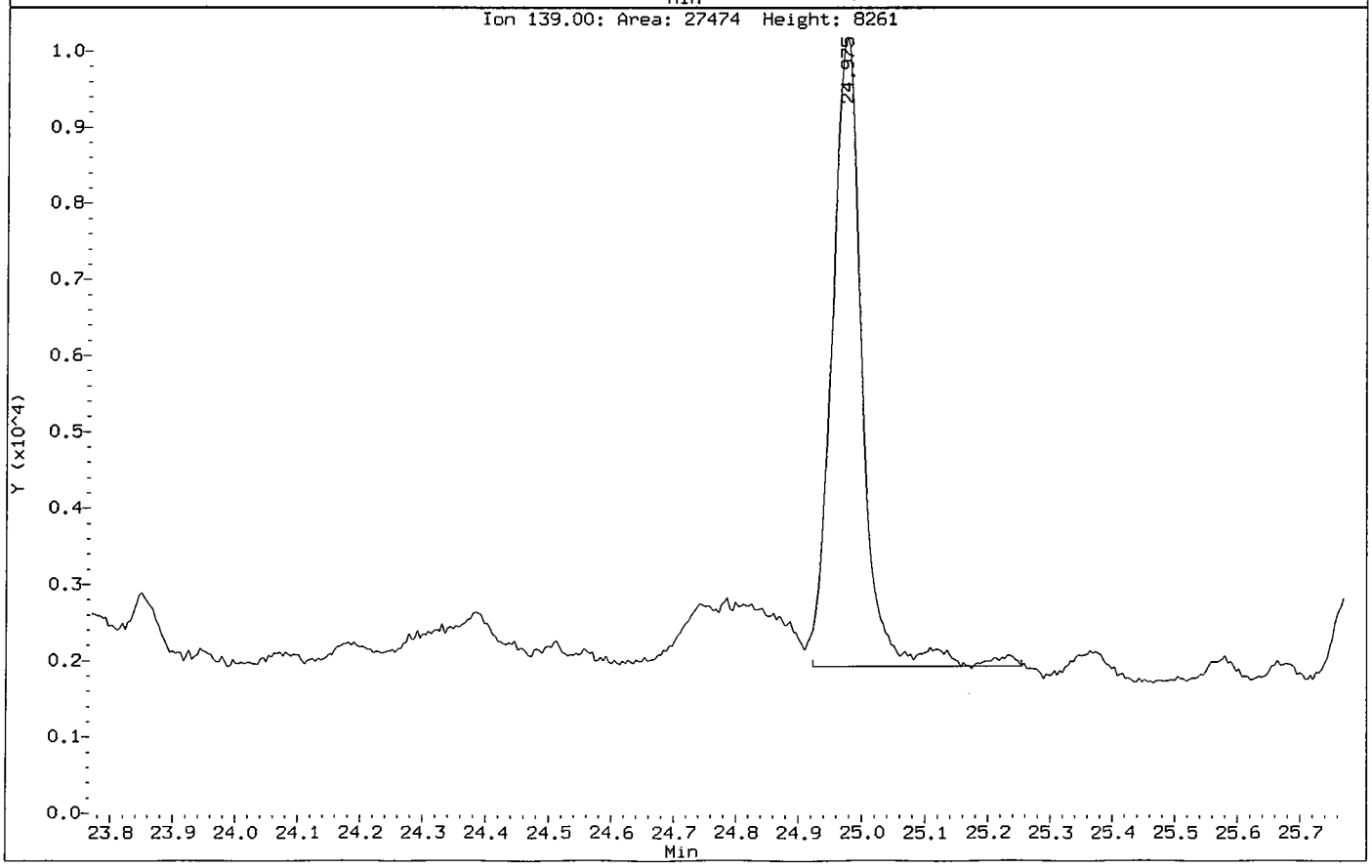
Client ID: SS51-0-1
Instrument ID: 5972hp70.i
Injection Date and Time: 02-JUL-2010 07:19
Retention Time: 24.76
Operator ID: TD

Data File: /chem/5972hp70.i/DS100701B70.b/1005157-02B70.d
Injection Date: 02-JUL-2010 07:19
Instrument: 5972hp70.i
Client Sample ID: SS51-0-1

Compound: Dibenzo(a,h)anthracene
CAS Number: 53-70-3





Data File: /chem/5972hp70.i/DS100701B70.b/1005157-02B70.d

Date : 02-JUL-2010 07:19

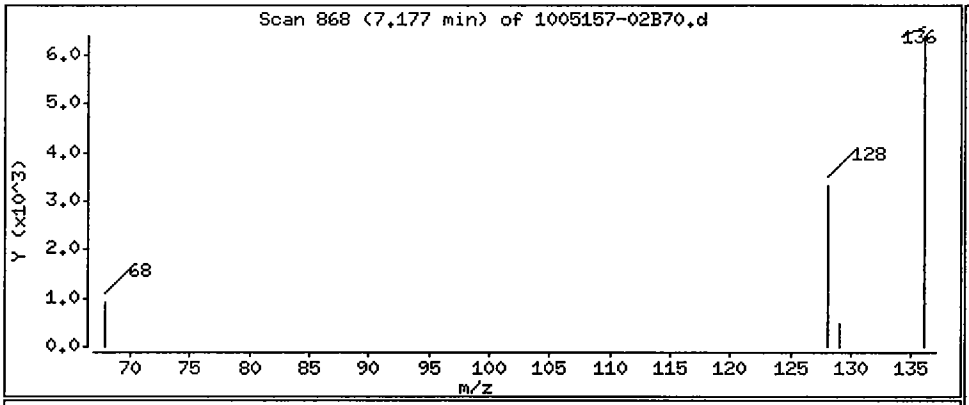
Client ID: SS51-0-1 Instrument: 5972hp70.i

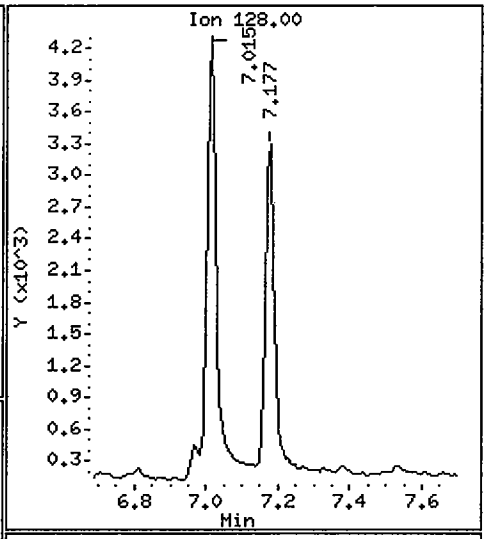
Sample Info: 1005157-02:TD

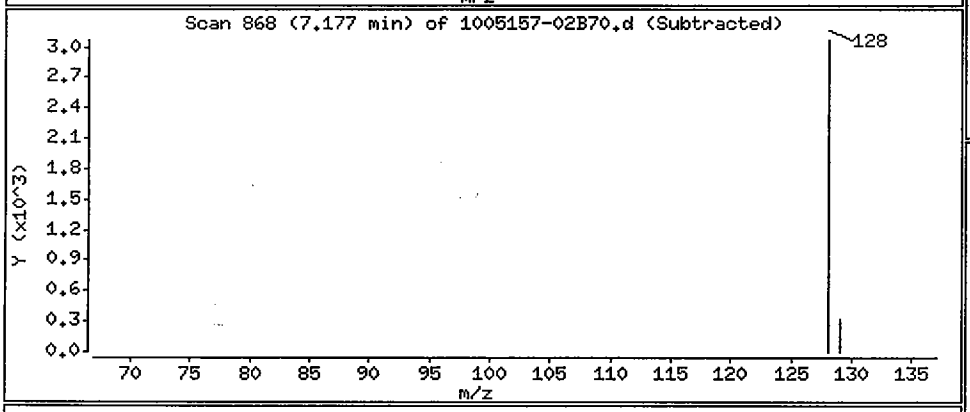
Volume Injected (uL): 2.0 Operator: TD

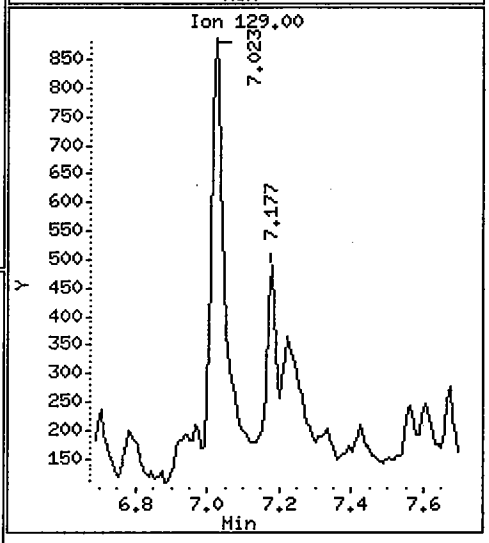
Column phase: Rtx-5MS Column diameter: 0.32

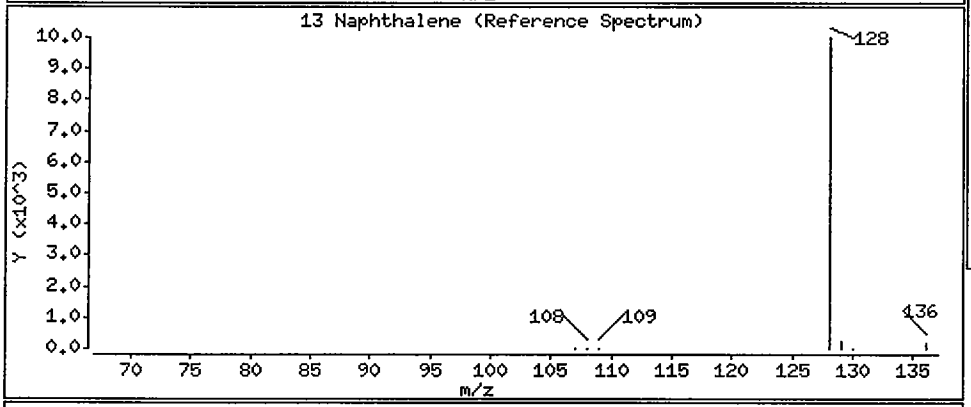
13 Naphthalene Concentration: 1.4 ug/Kg

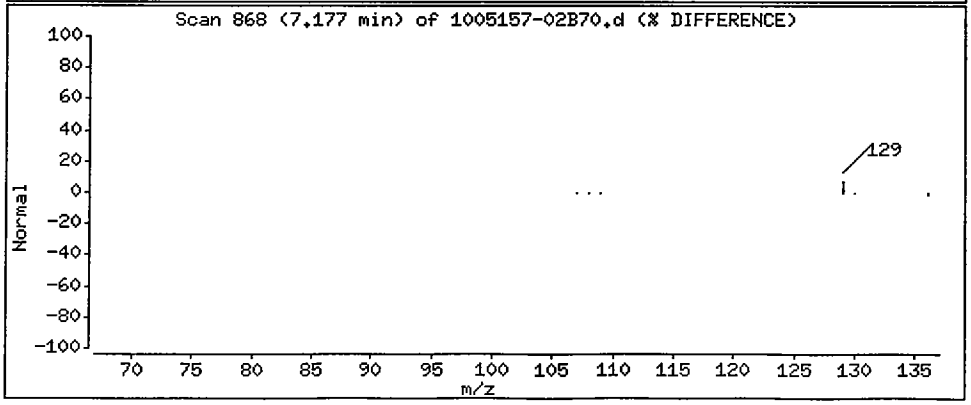












Data File: /chem/5972hp70.i/DS100701B70.b/1005157-02B70.d

Date : 02-JUL-2010 07:19

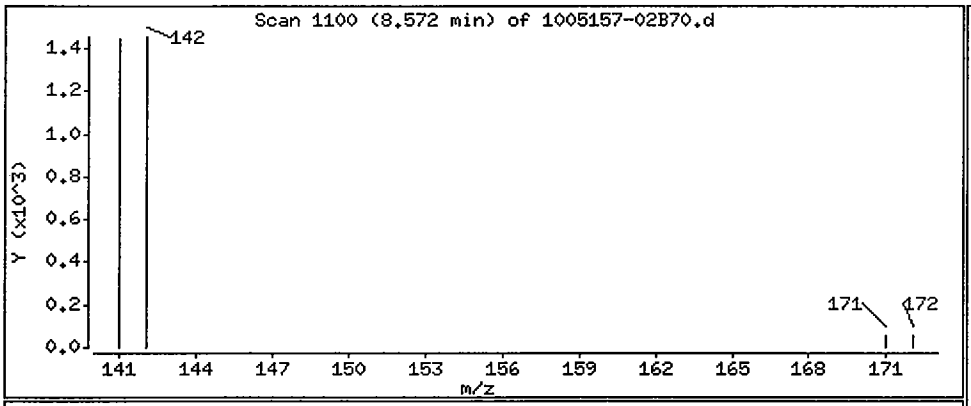
Client ID: SS51-0-1 Instrument: 5972hp70.i

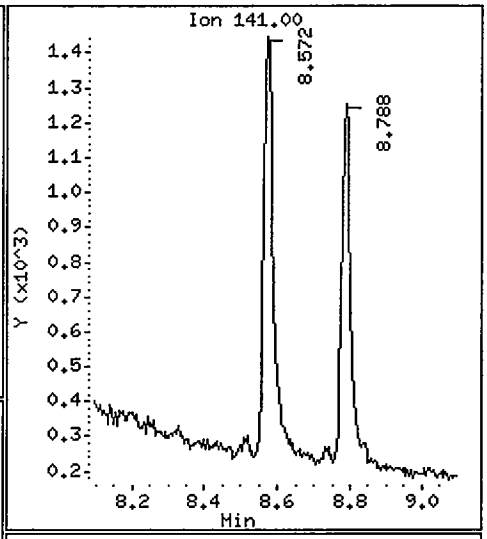
Sample Info: 1005157-02:TD

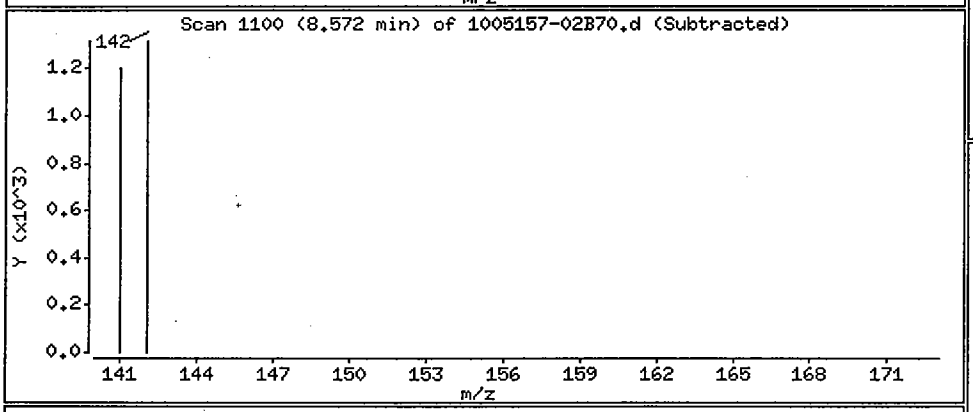
Volume Injected (uL): 2.0 Operator: TD

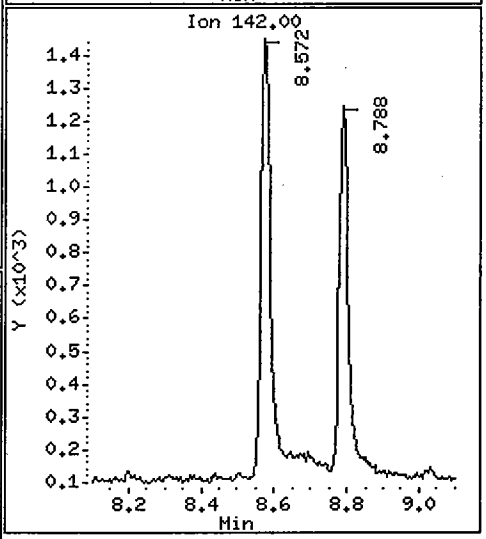
Column phase: Rtx-5MS Column diameter: 0.32

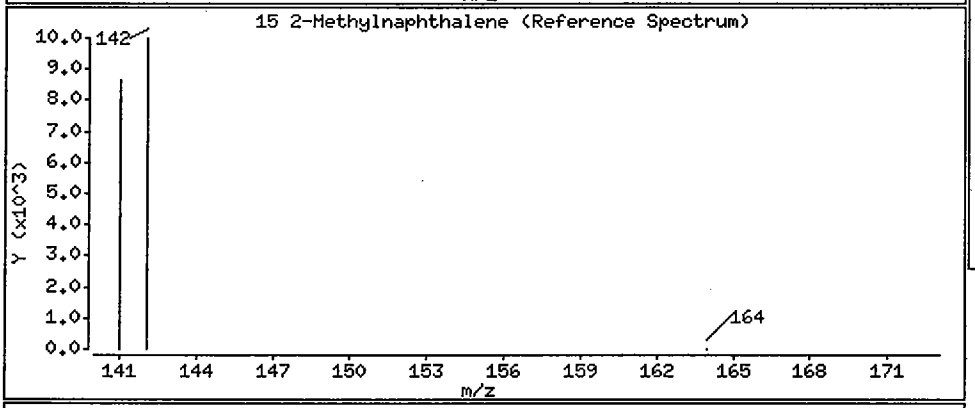
15 2-Methylnaphthalene Concentration: 1.1 ug/Kg

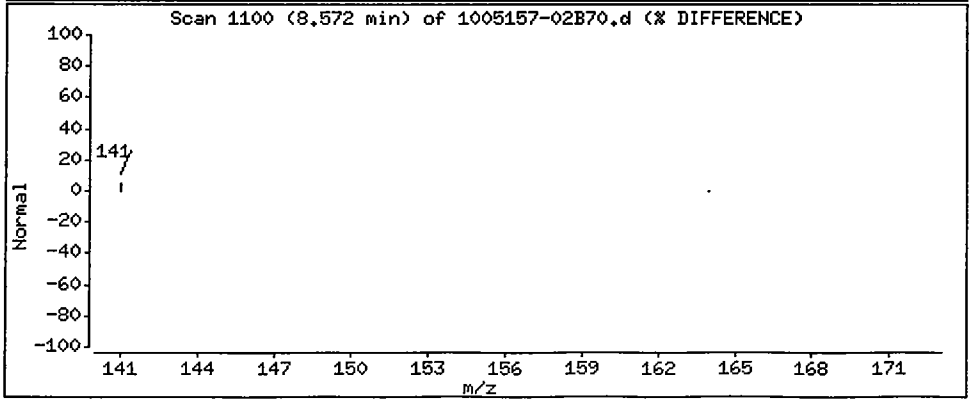












Data File: /chem/5972hp70.i/DS100701B70.b/1005157-02B70.d

Date : 02-JUL-2010 07:19

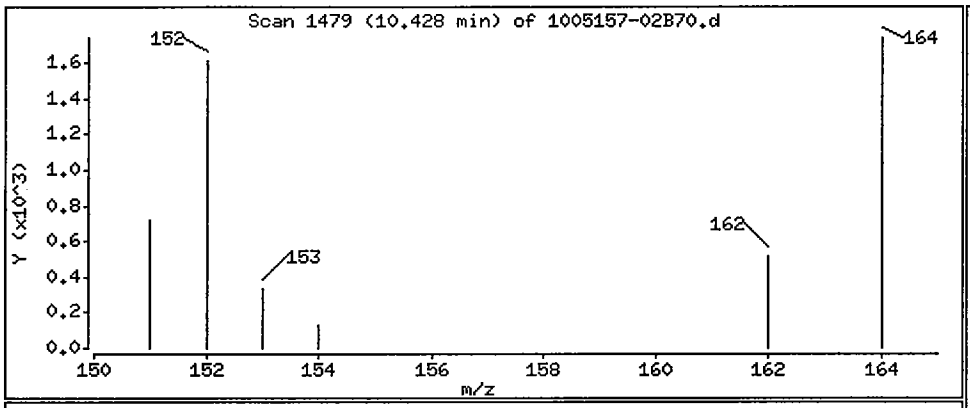
Client ID: SS51-0-1 Instrument: 5972hp70.i

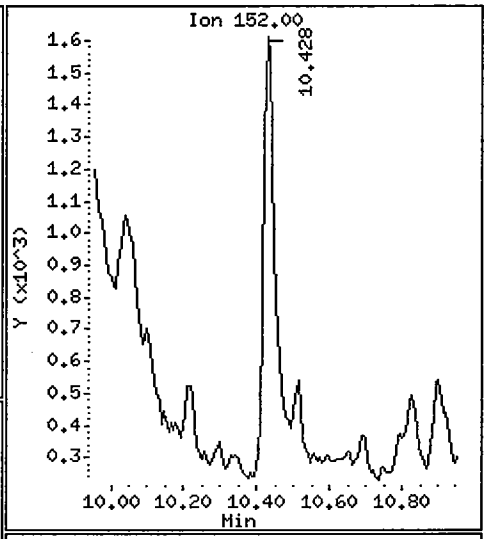
Sample Info: 1005157-02:TD

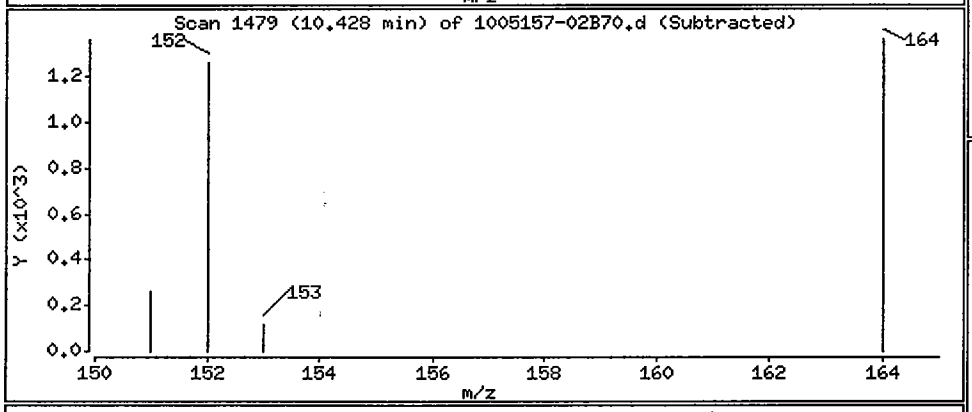
Volume Injected (uL): 2.0 Operator: TD

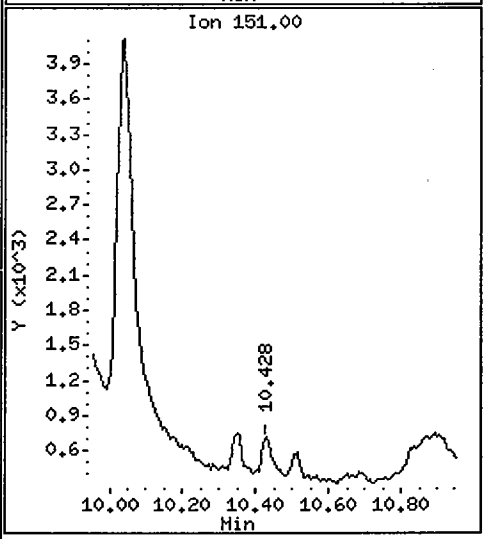
Column phase: Rtx-5MS Column diameter: 0.32

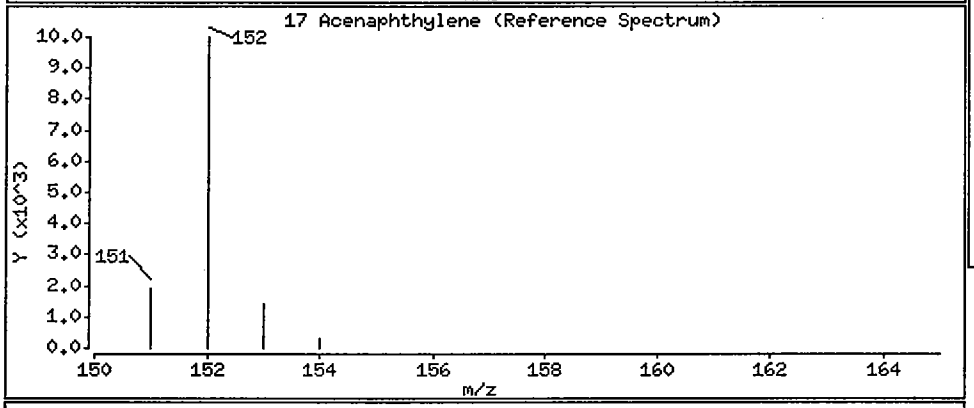
17 Acenaphthylene Concentration: 0.83 ug/Kg

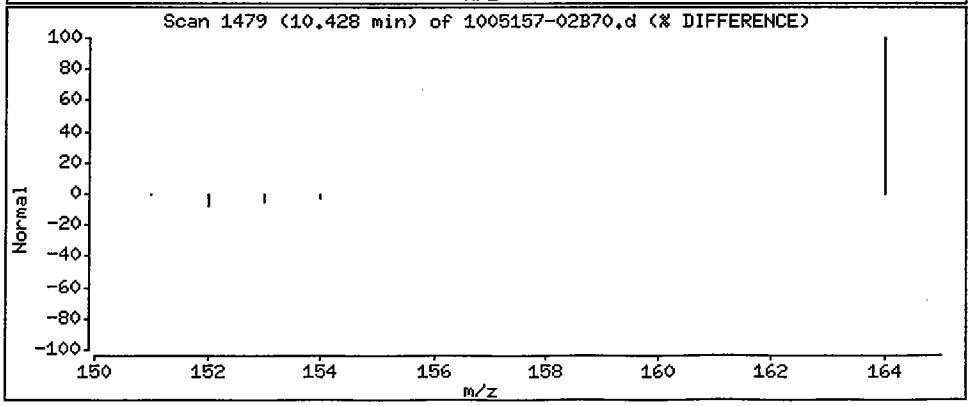












Data File: /chem/5972hp70.i/DS100701B70.b/1005157-02B70.d

Date : 02-JUL-2010 07:19

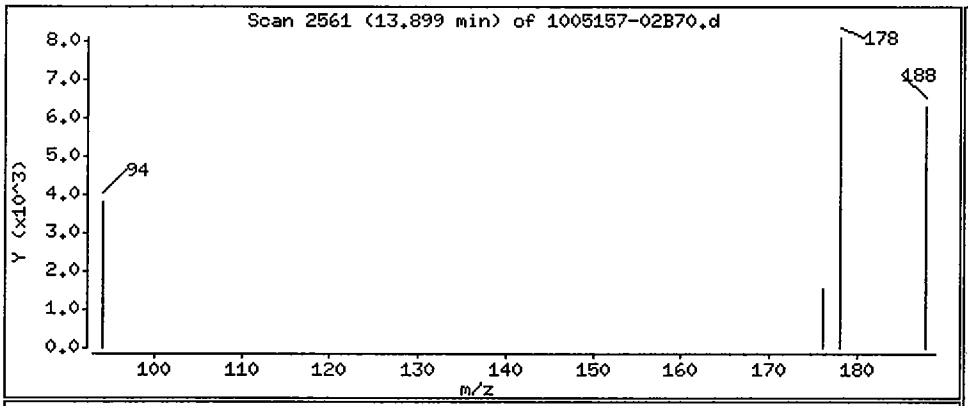
Client ID: SS51-0-1 Instrument: 5972hp70.i

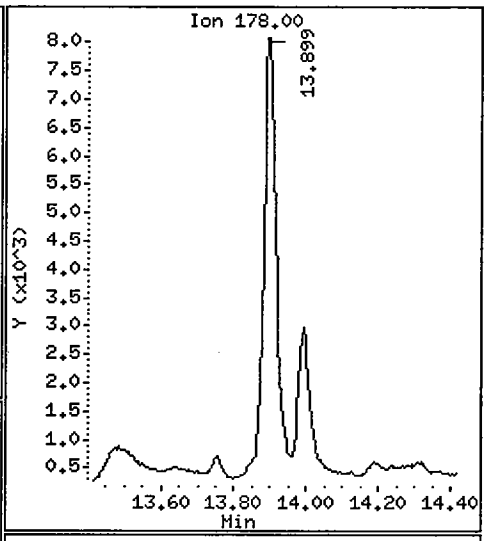
Sample Info: 1005157-02:TD

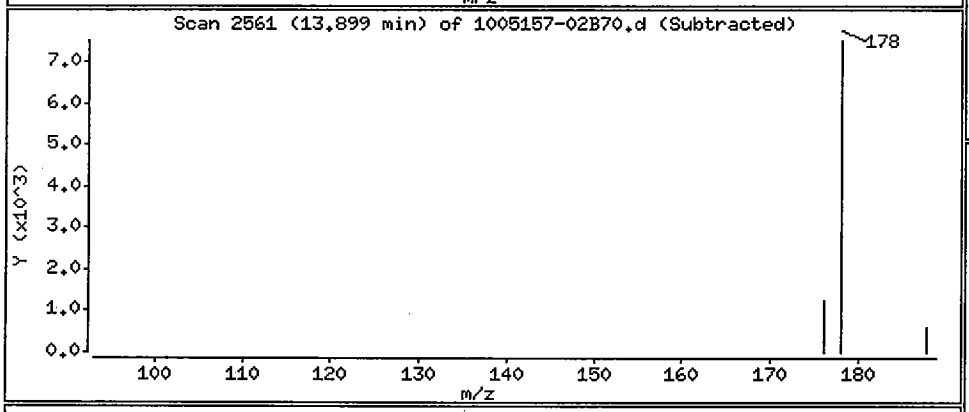
Volume Injected (uL): 2.0 Operator: TD

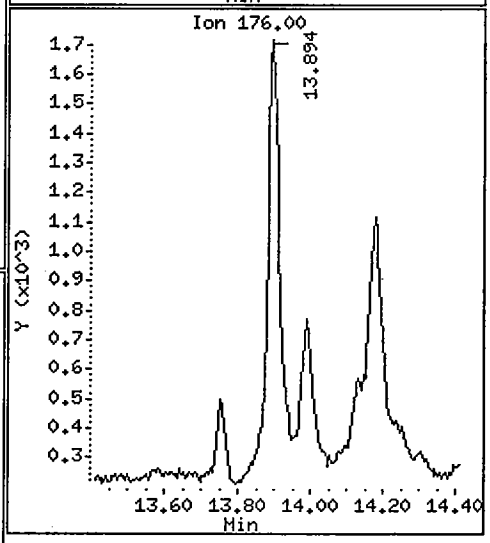
Column phase: Rtx-5MS Column diameter: 0.32

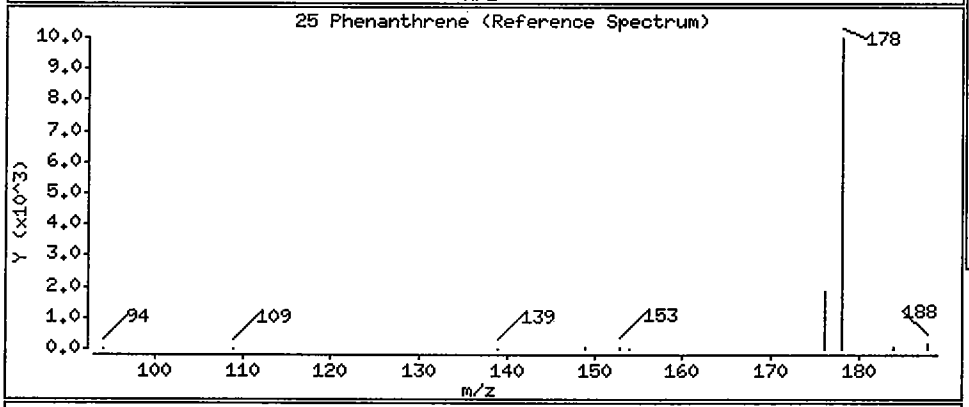
25 Phenanthrene Concentration: 4.0 ug/Kg

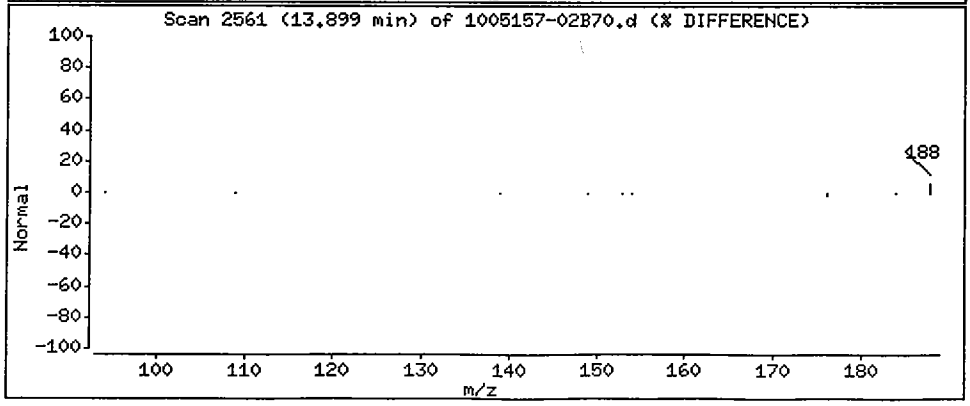












Data File: /chem/5972hp70.i/DS100701B70.b/1005157-02B70.d

Date : 02-JUL-2010 07:19

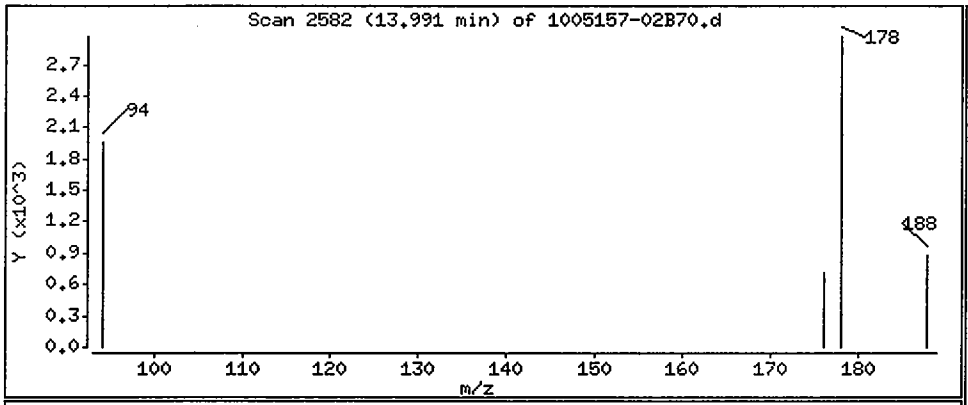
Client ID: SS51-0-1 Instrument: 5972hp70.i

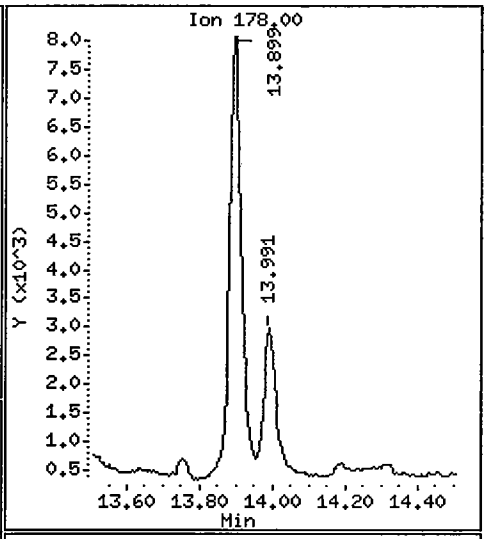
Sample Info: 1005157-02:TD

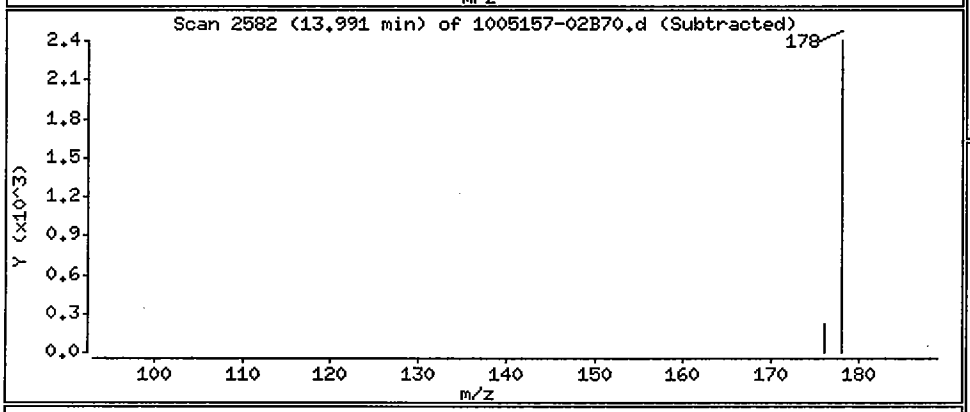
Volume Injected (uL): 2.0 Operator: TD

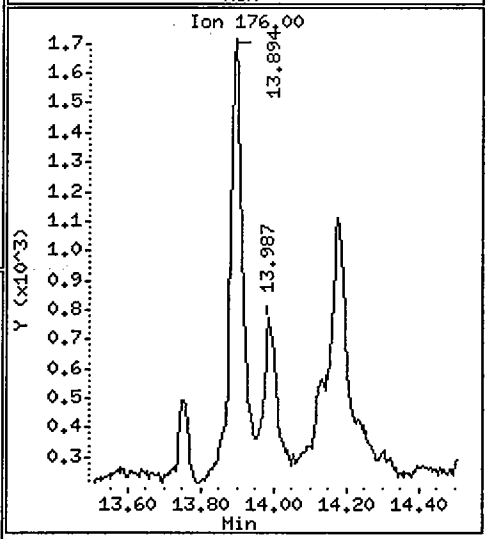
Column phase: Rtx-5MS Column diameter: 0.32

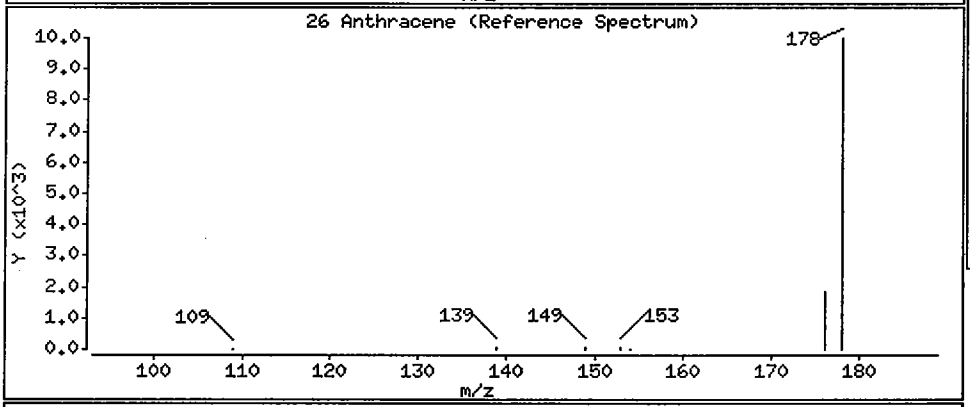
26 Anthracene Concentration: 1.6 ug/Kg

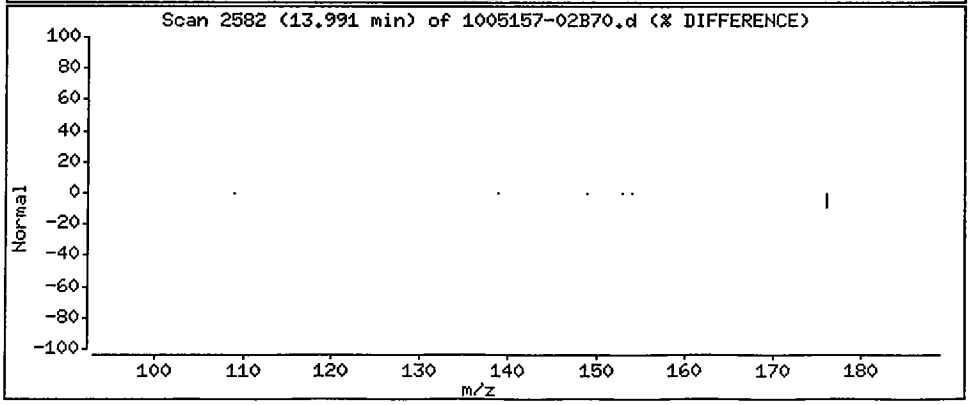












Data File: /chem/5972hp70.i/DS100701B70.b/1005157-02B70.d

Date : 02-JUL-2010 07:19

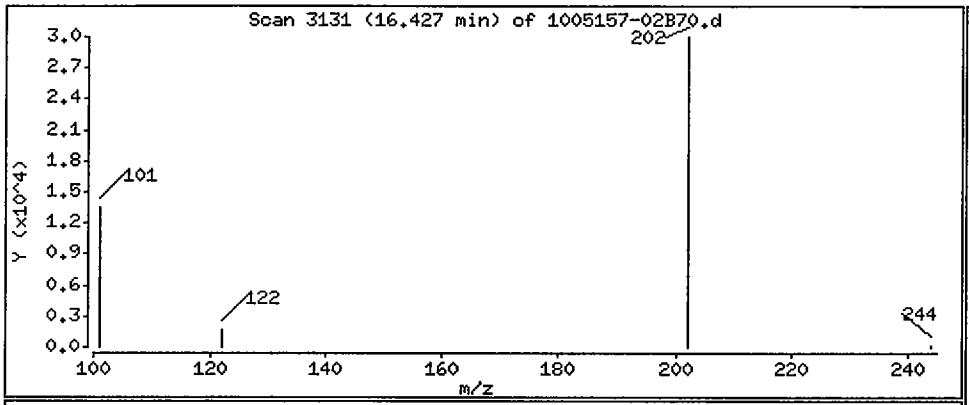
Client ID: SS51-0-1 Instrument: 5972hp70.i

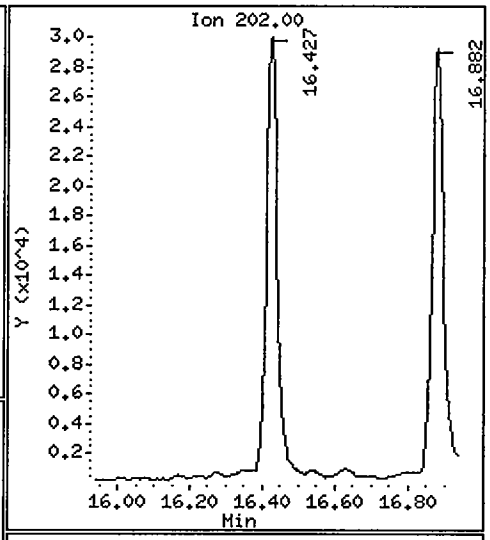
Sample Info: 1005157-02:TD

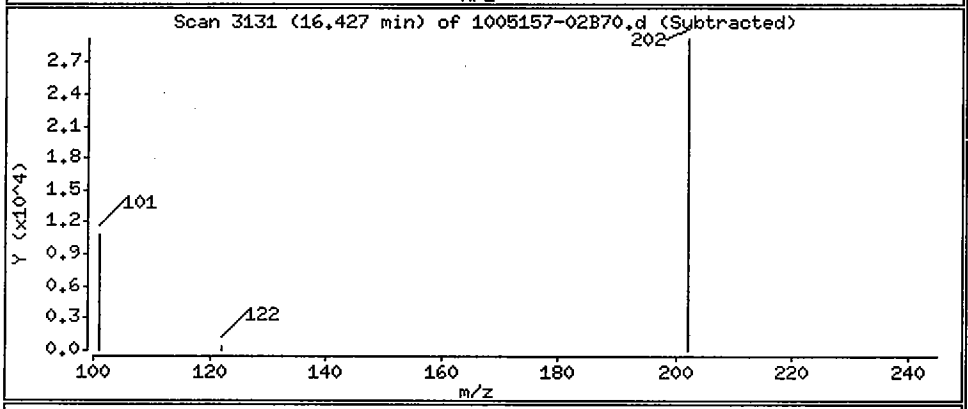
Volume Injected (uL): 2.0 Operator: TD

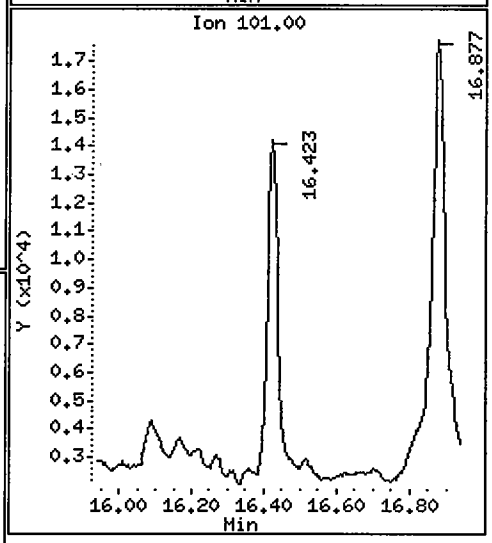
Column phase: Rtx-5MS Column diameter: 0.32

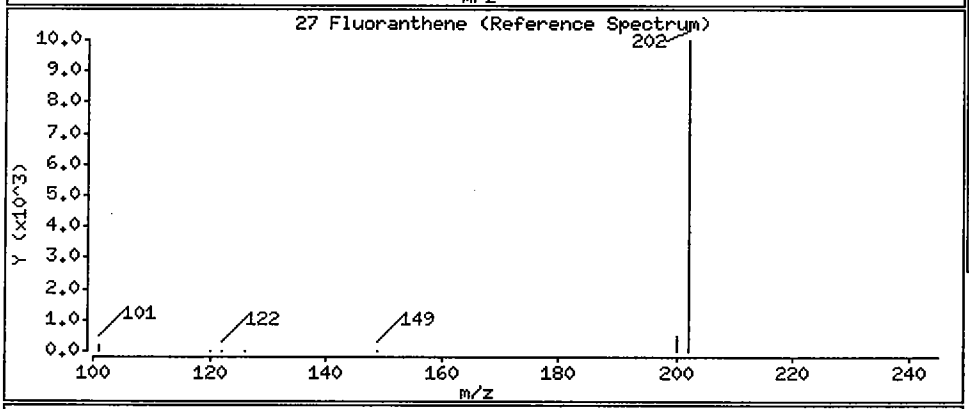
27 Fluoranthene Concentration: 14 ug/Kg

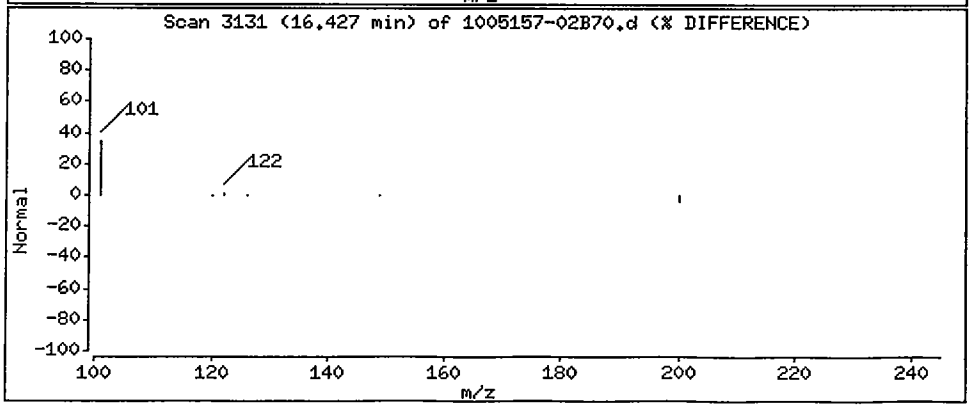












Data File: /chem/5972hp70.i/DS100701B70.b/1005157-02B70.d

Date : 02-JUL-2010 07:19

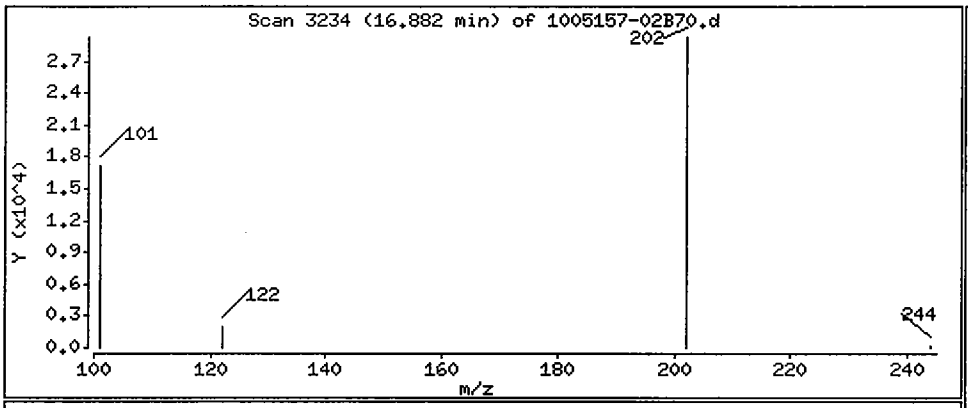
Client ID: SS51-0-1 Instrument: 5972hp70.i

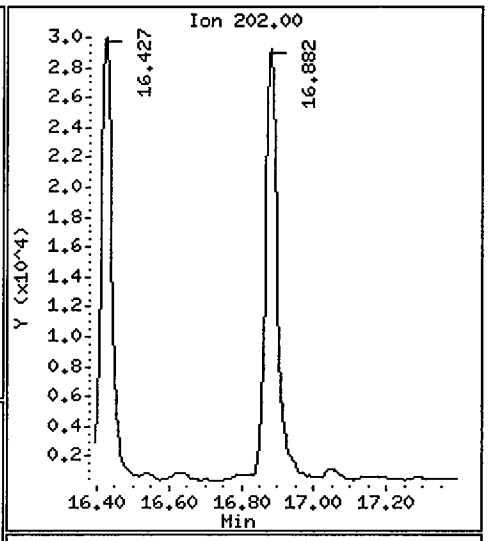
Sample Info: 1005157-02:TD

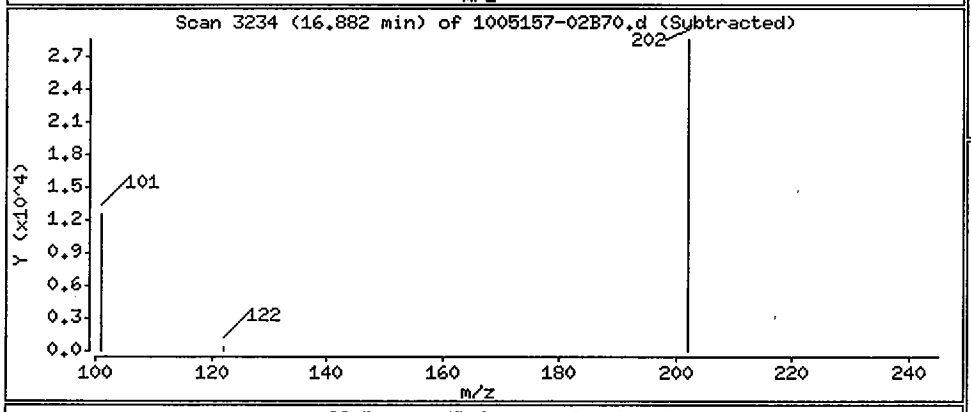
Volume Injected (uL): 2.0 Operator: TD

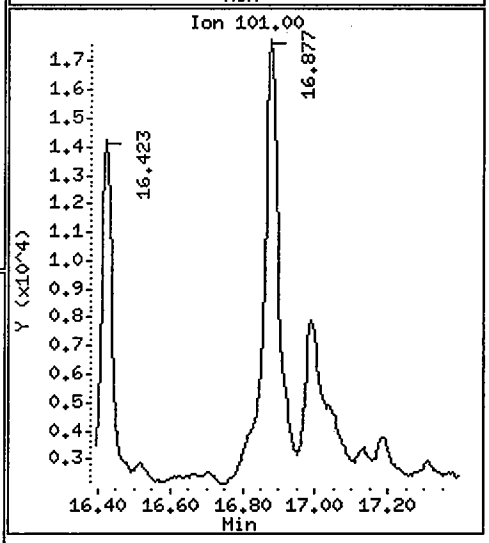
Column phase: Rtx-5MS Column diameter: 0.32

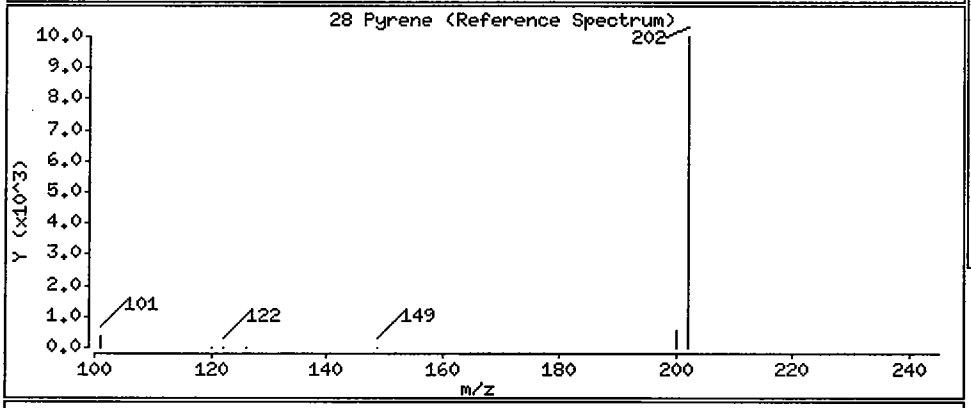
28 Pyrene Concentration: 15 ug/Kg

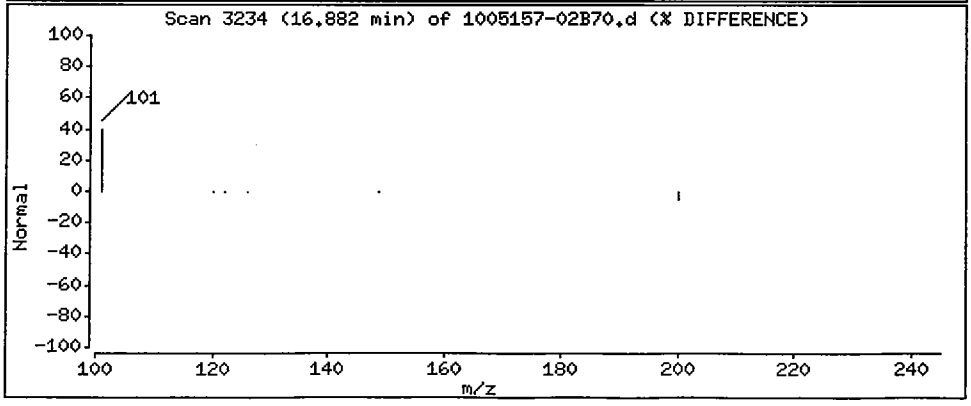












Data File: /chem/5972hp70.i/DS100701B70.b/1005157-02B70.d

Date : 02-JUL-2010 07:19

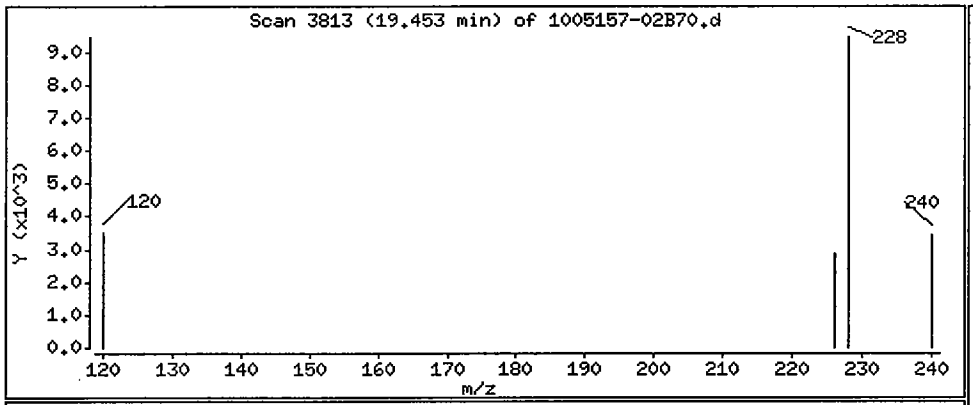
Client ID: SS51-0-1 Instrument: 5972hp70.i

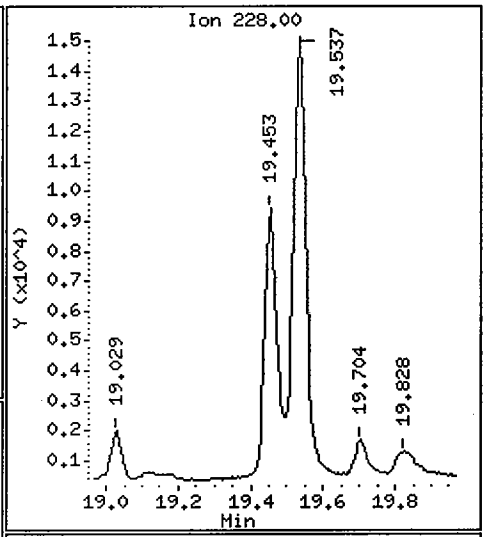
Sample Info: 1005157-02:TD

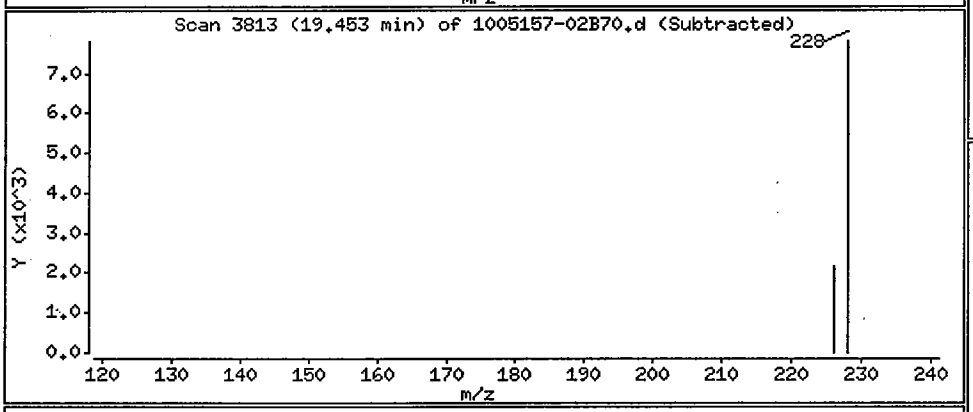
Volume Injected (uL): 2.0 Operator: TD

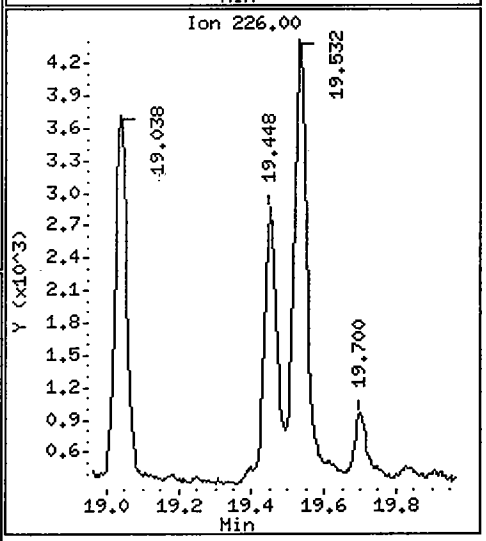
Column phase: Rtx-5MS Column diameter: 0.32

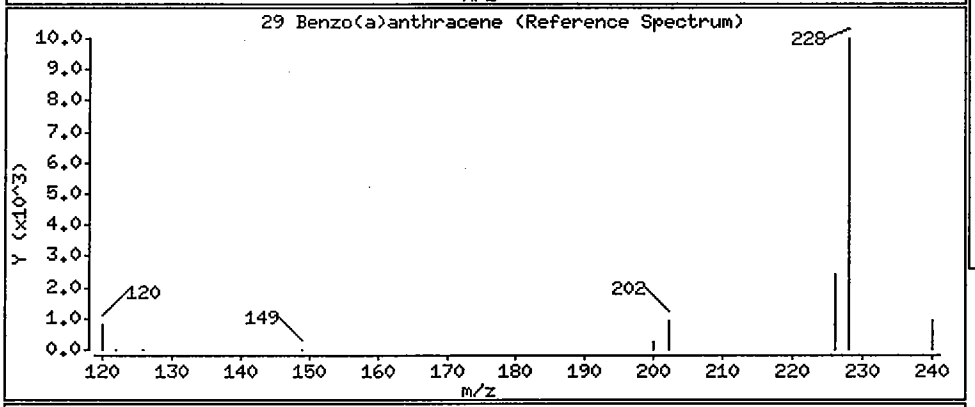
29 Benzo(a)anthracene Concentration: 6.6 ug/Kg

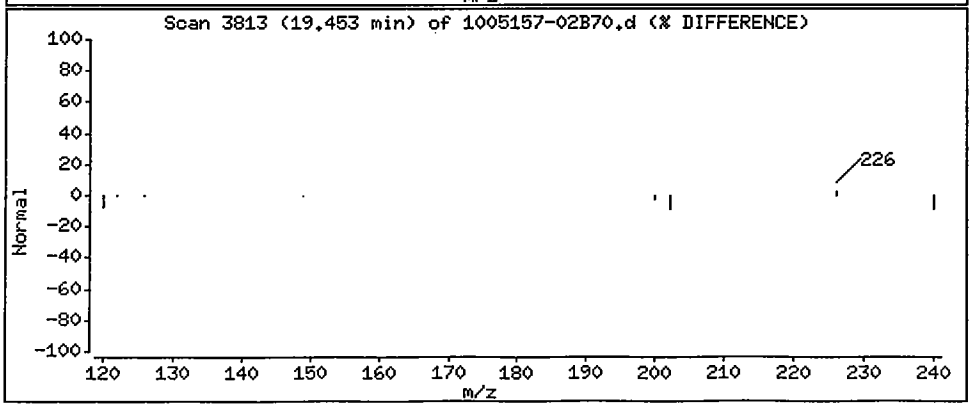












Data File: /chem/5972hp70.i/DS100701B70.b/1005157-02B70.d

Date : 02-JUL-2010 07:19

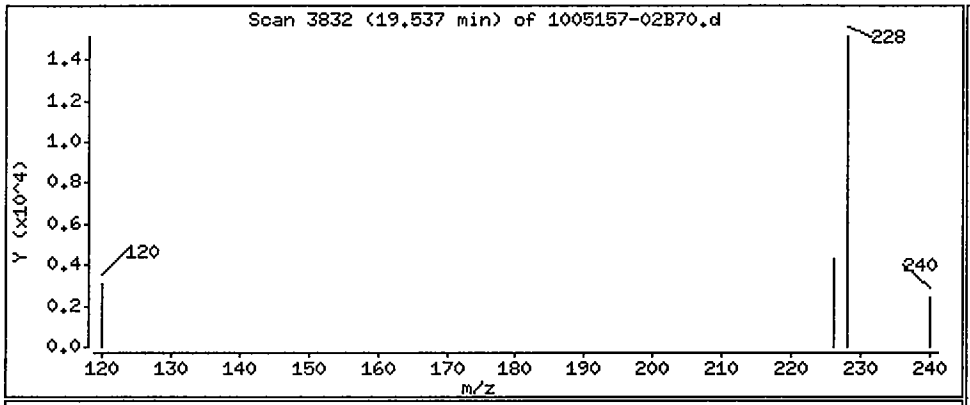
Client ID: SS51-0-1 Instrument: 5972hp70.i

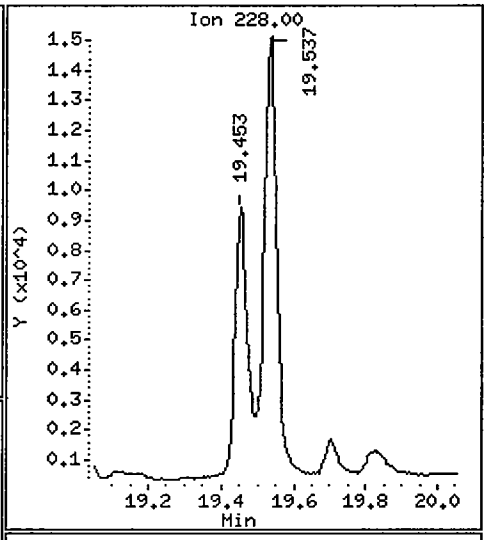
Sample Info: 1005157-02:TD

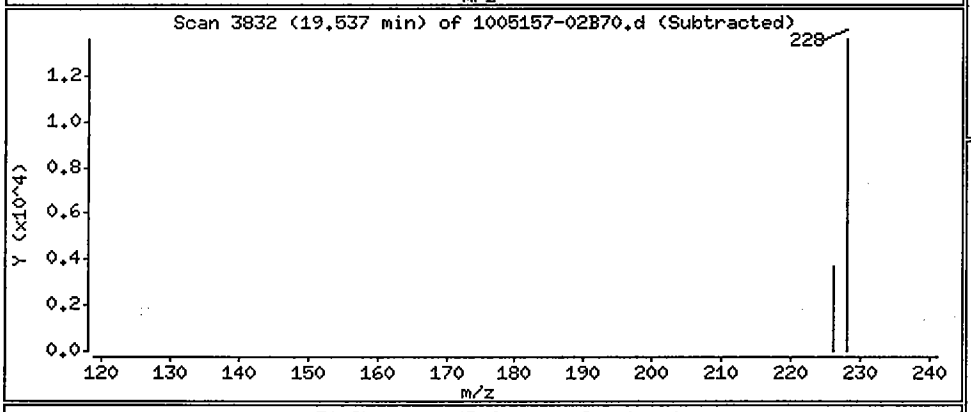
Volume Injected (uL): 2.0 Operator: TD

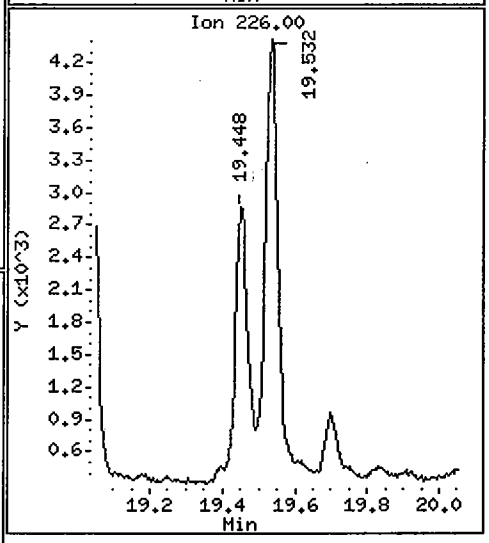
Column phase: Rtx-5MS Column diameter: 0.32

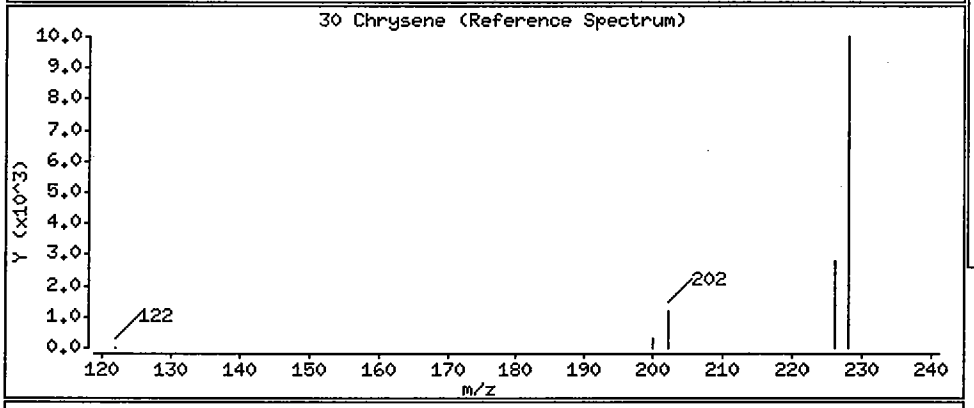
30 Chrysene Concentration: 9.3 ug/Kg

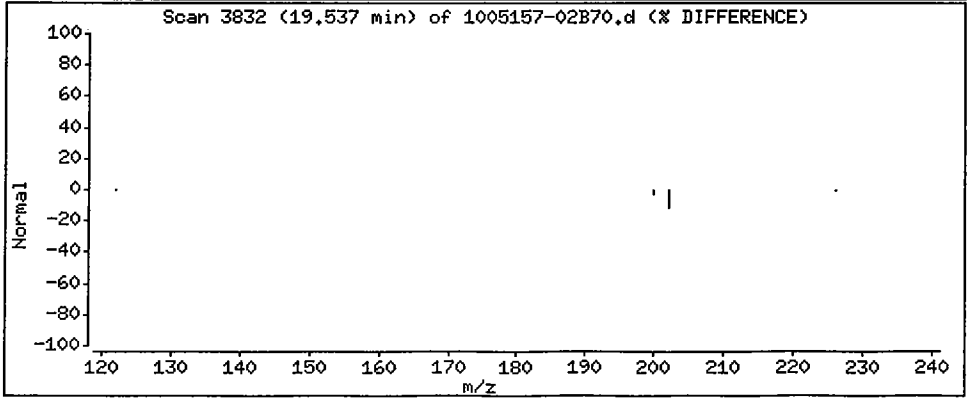












Data File: /chem/5972hp70.i/DS100701B70.b/1005157-02B70.d

Date : 02-JUL-2010 07:19

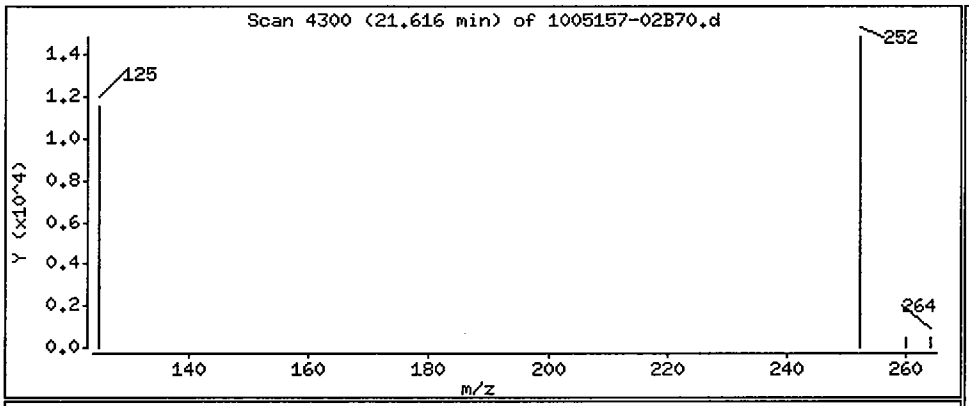
Client ID: SS51-0-1 Instrument: 5972hp70.i

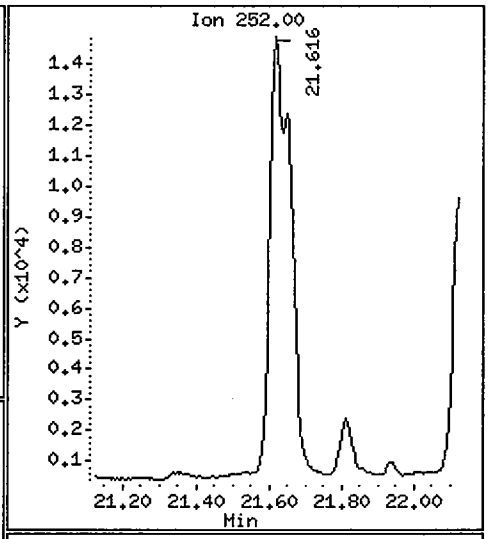
Sample Info: 1005157-02:TD

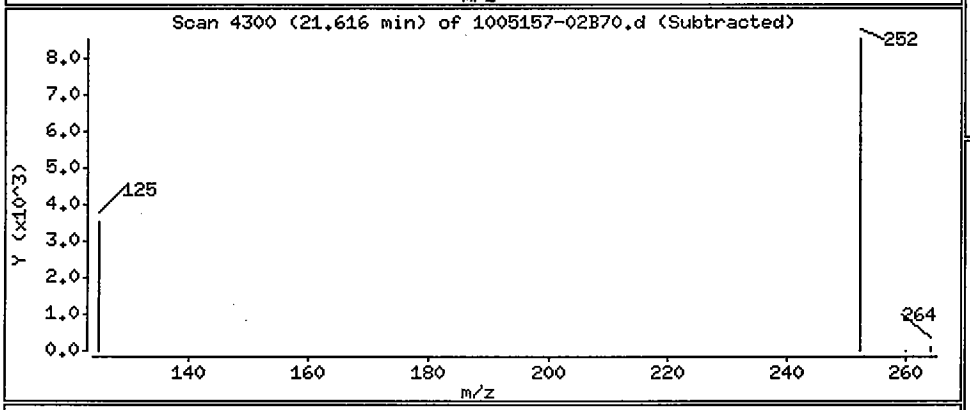
Volume Injected (uL): 2.0 Operator: TD

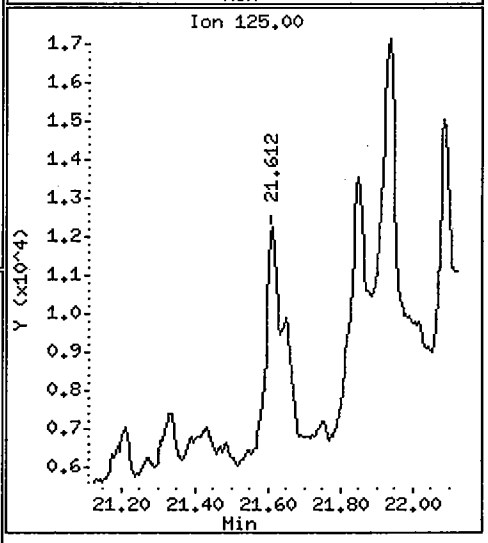
Column phase: Rtx-5MS Column diameter: 0.32

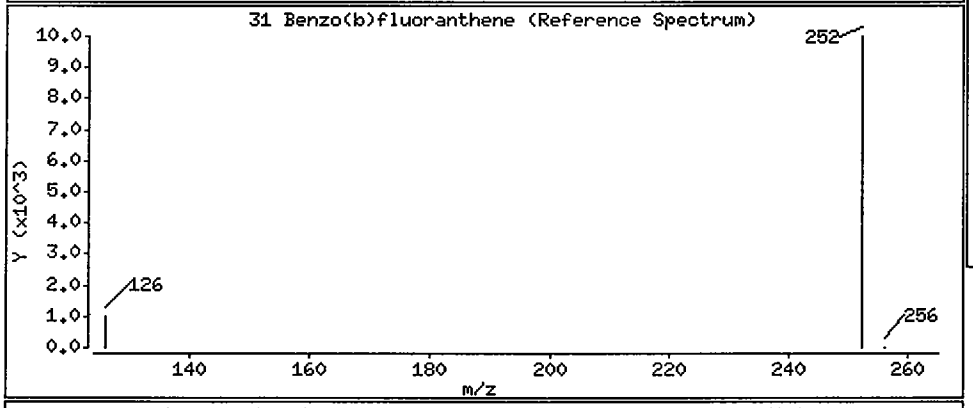
31 Benzo(b)fluoranthene Concentration: 11 ug/Kg

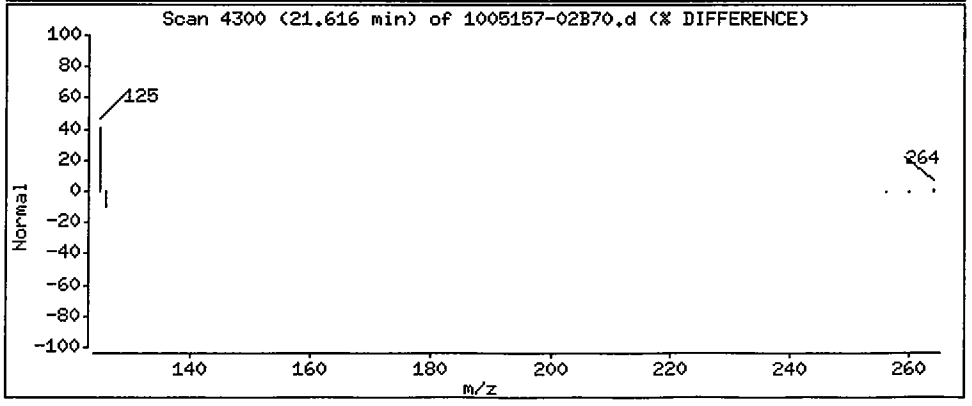












Data File: /chem/5972hp70.i/DS100701B70.b/1005157-02B70.d

Date : 02-JUL-2010 07:19

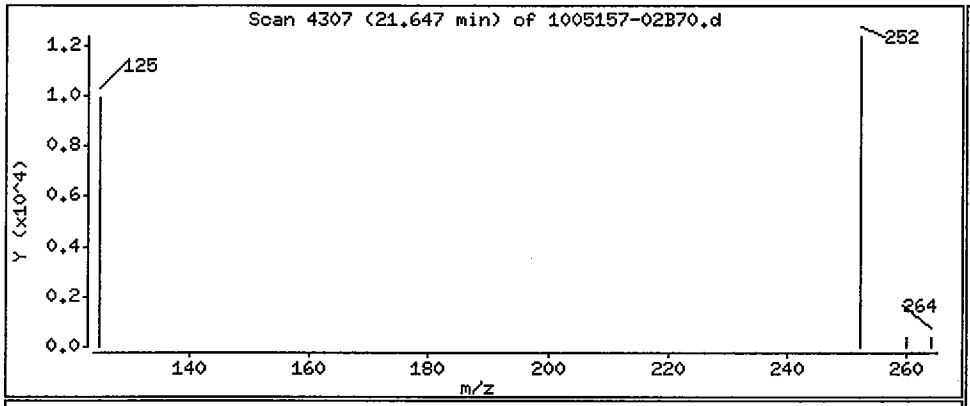
Client ID: SS51-0-1 Instrument: 5972hp70.i

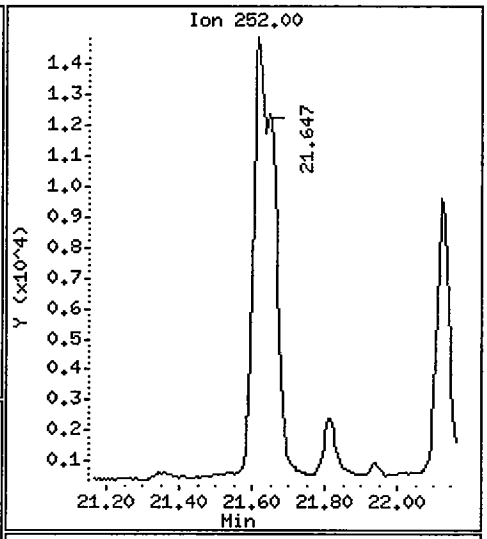
Sample Info: 1005157-02:TD

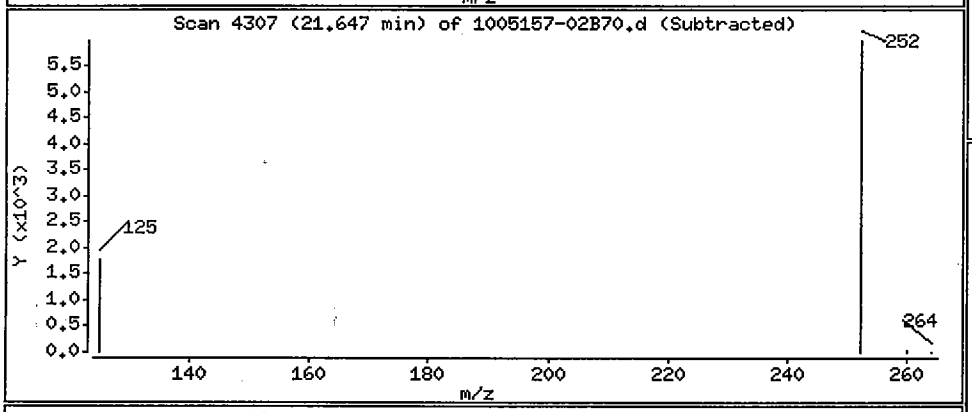
Volume Injected (uL): 2.0 Operator: TD

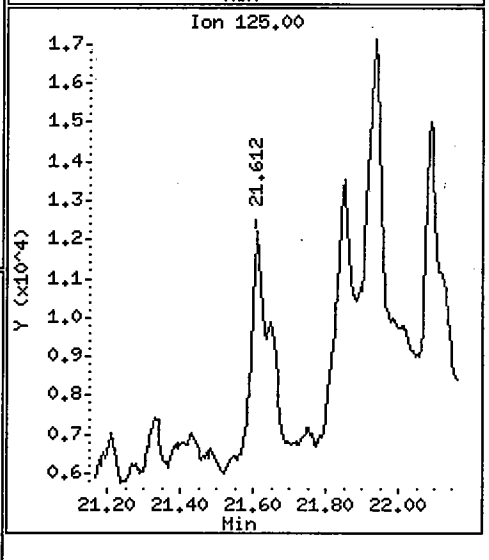
Column phase: Rtx-5MS Column diameter: 0.32

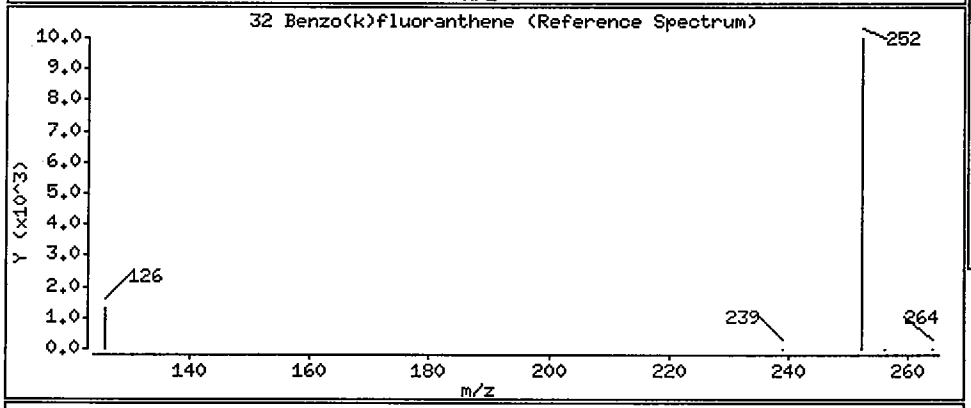
32 Benzo(k)fluoranthene Concentration: 6.6 ug/Kg

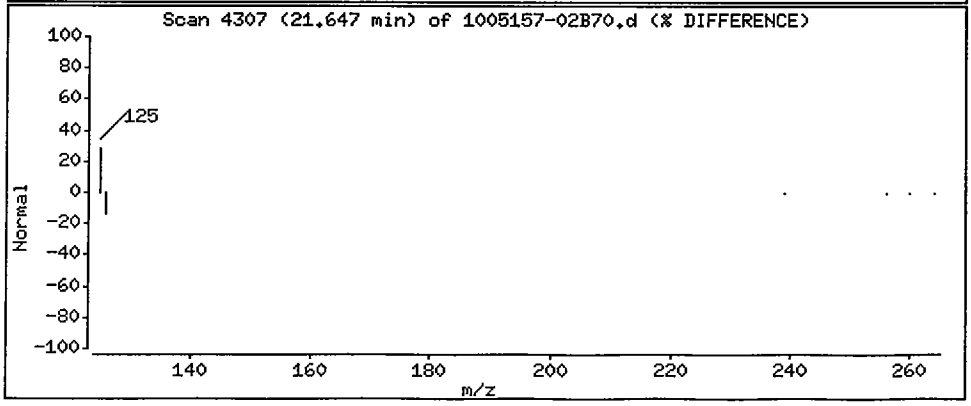












Data File: /chem/5972hp70.i/DS100701B70.b/1005157-02B70.d

Date : 02-JUL-2010 07:19

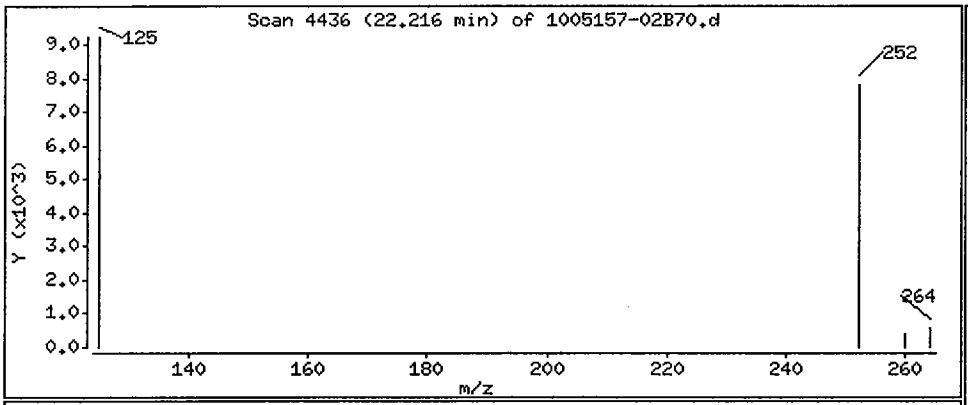
Client ID: SS51-0-1 Instrument: 5972hp70.i

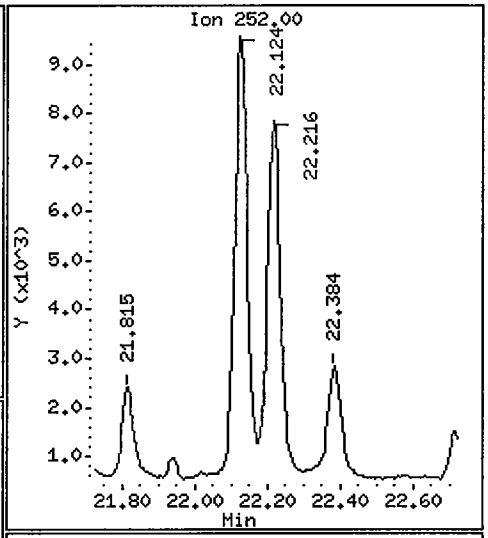
Sample Info: 1005157-02:TD

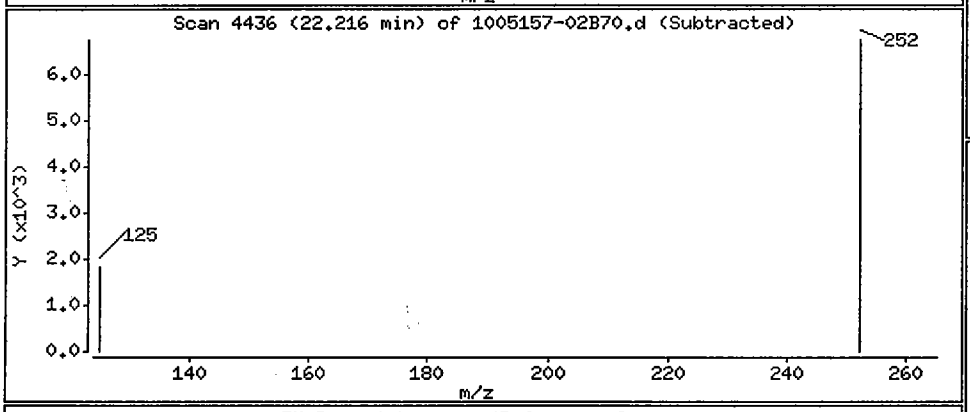
Volume Injected (uL): 2.0 Operator: TD

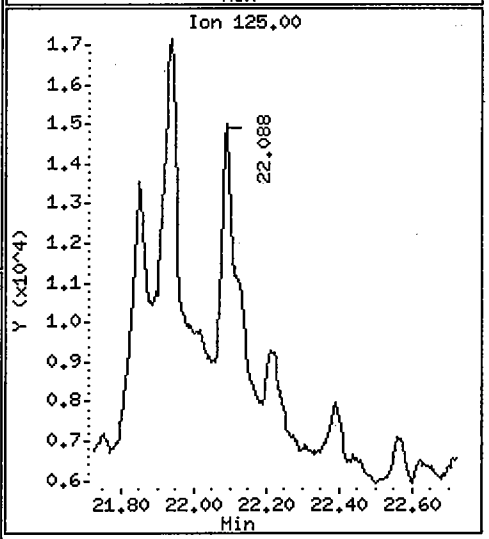
Column phase: Rtx-5MS Column diameter: 0.32

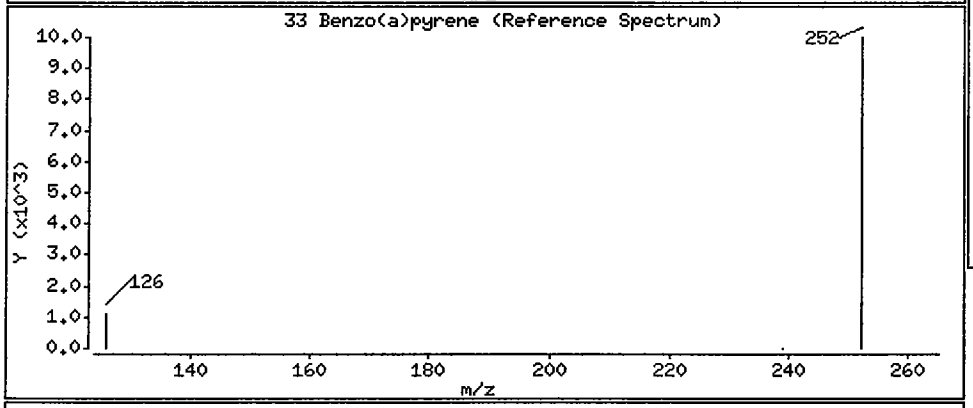
33 Benzo(a)pyrene Concentration: 5.8 ug/Kg

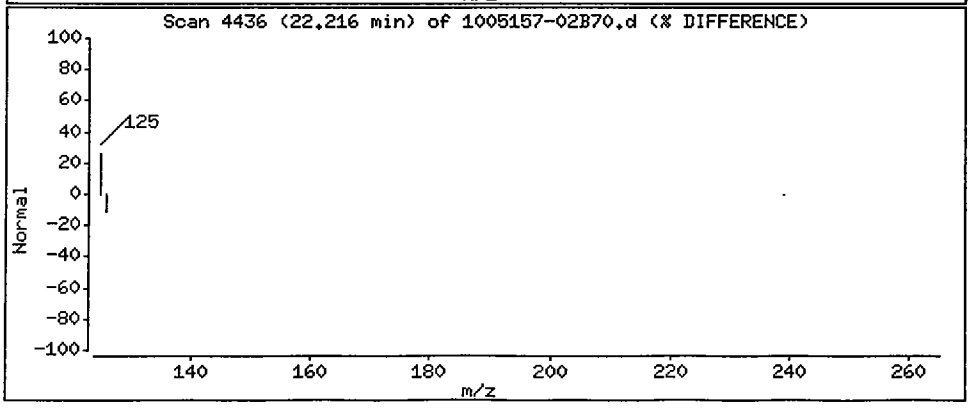












Data File: /chem/5972hp70.i/DS100701B70.b/1005157-02B70.d

Date : 02-JUL-2010 07:19

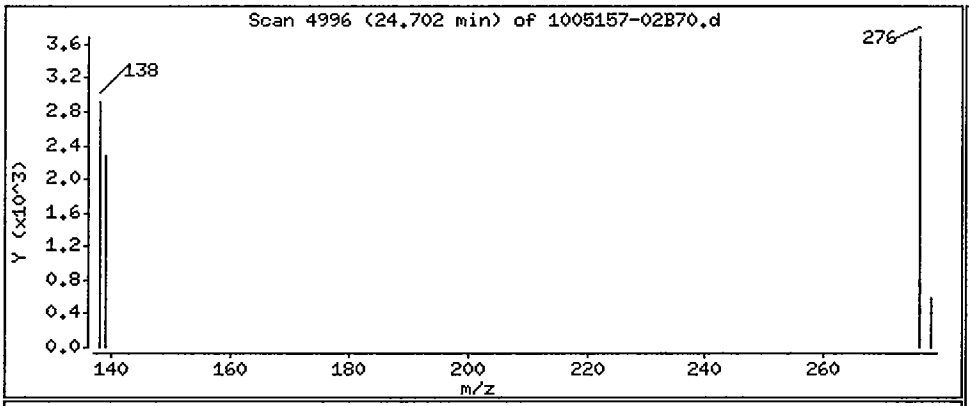
Client ID: SS51-0-1 Instrument: 5972hp70.i

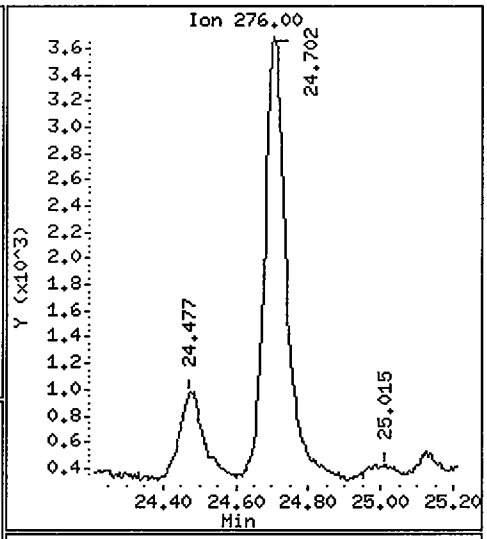
Sample Info: 1005157-02:TD

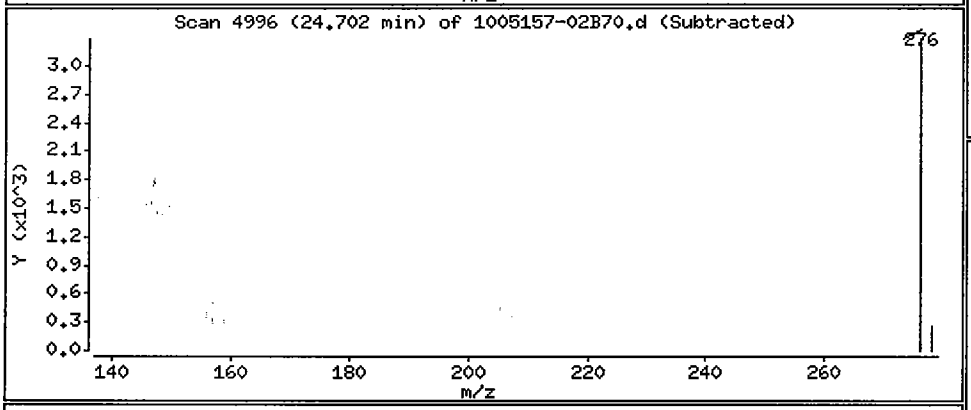
Volume Injected (uL): 2.0 Operator: TD

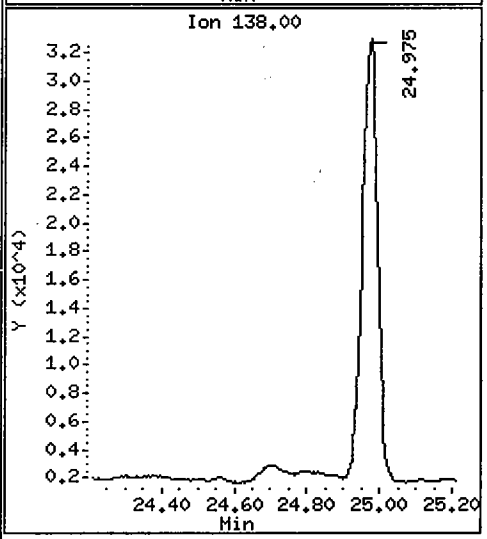
Column phase: Rtx-5MS Column diameter: 0.32

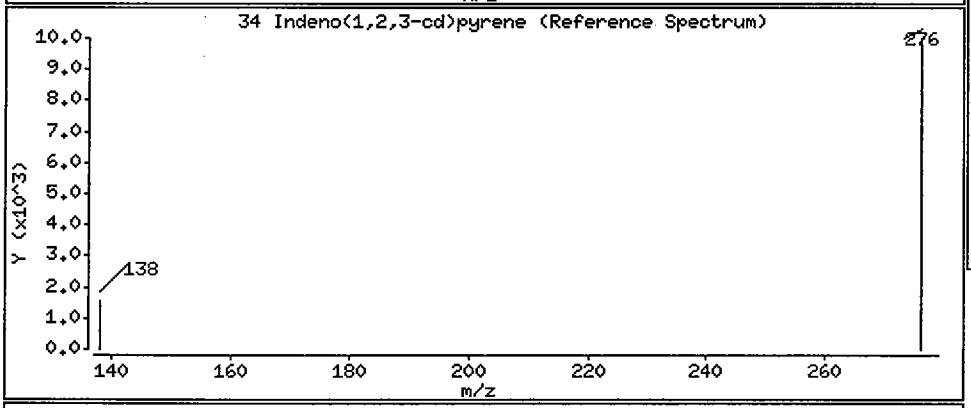
34 Indeno(1,2,3-cd)pyrene Concentration: 10 ug/Kg

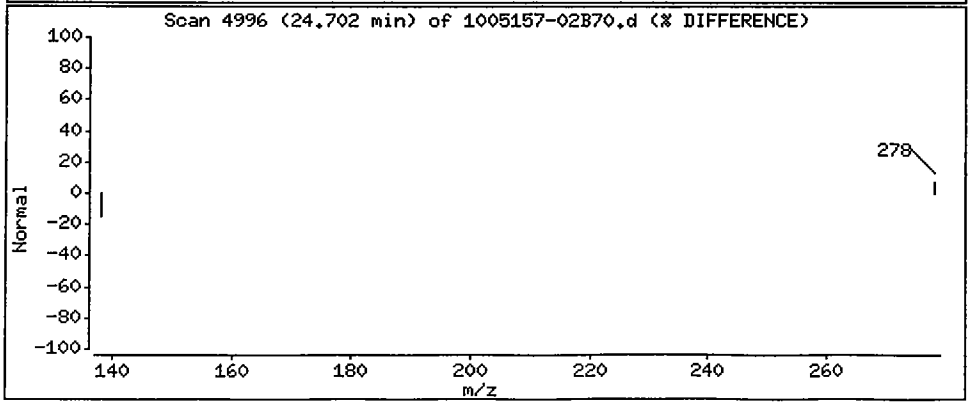












Data File: /chem/5972hp70.i/DS100701B70.b/1005157-02B70.d

Date : 02-JUL-2010 07:19

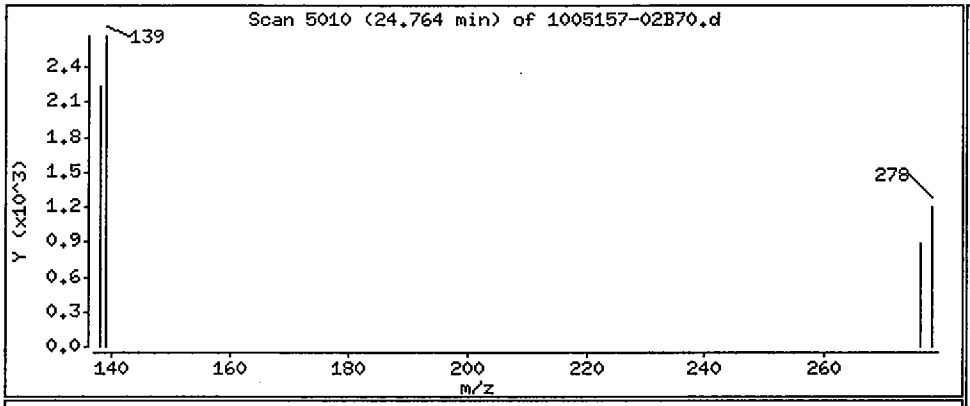
Client ID: SS51-0-1 Instrument: 5972hp70.i

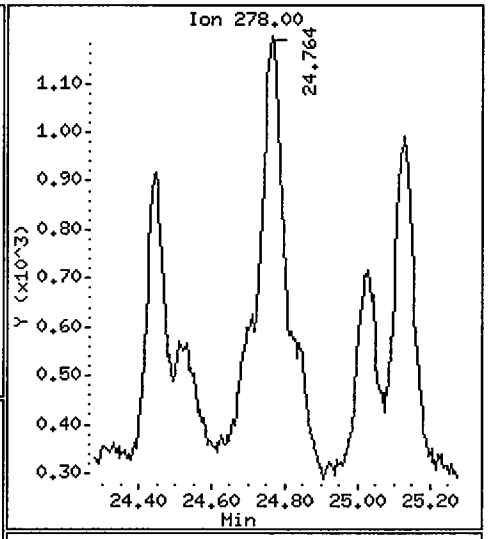
Sample Info: 1005157-02:TD

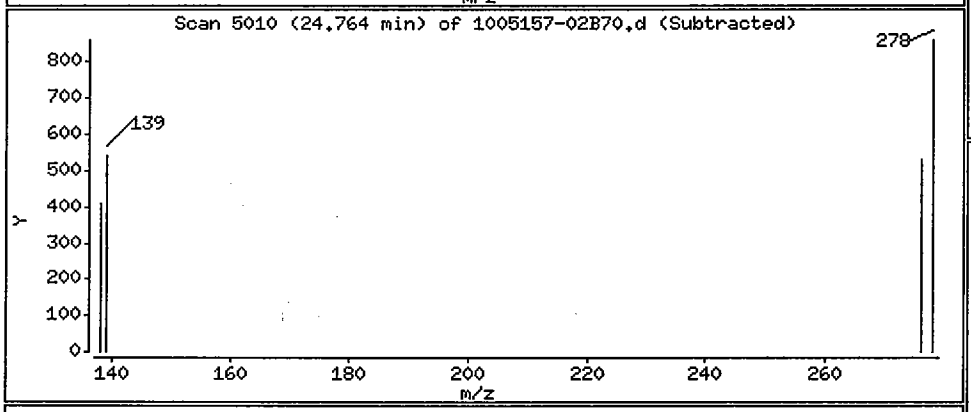
Volume Injected (uL): 2.0 Operator: TD

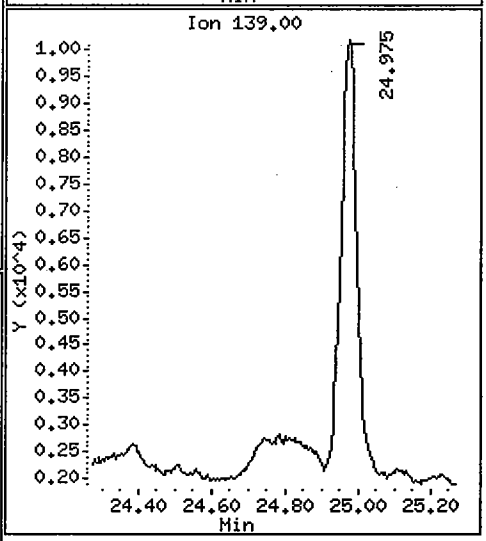
Column phase: Rtx-5MS Column diameter: 0.32

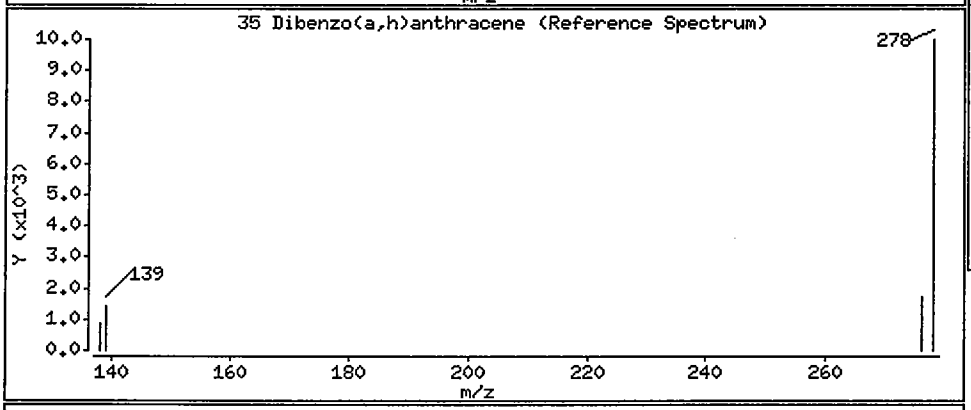
35 Dibenzo(a,h)anthracene Concentration: 2.0 ug/Kg

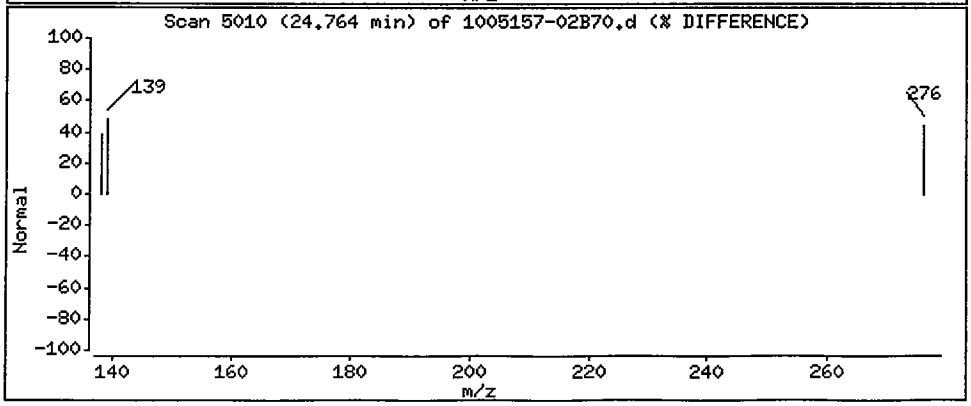












Data File: /chem/5972hp70.i/DS100701B70.b/1005157-02B70.d

Date : 02-JUL-2010 07:19

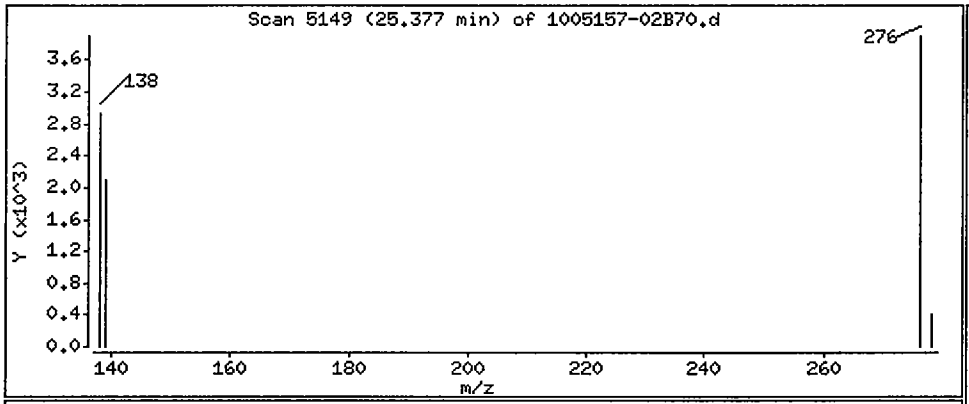
Client ID: SS51-0-1 Instrument: 5972hp70.i

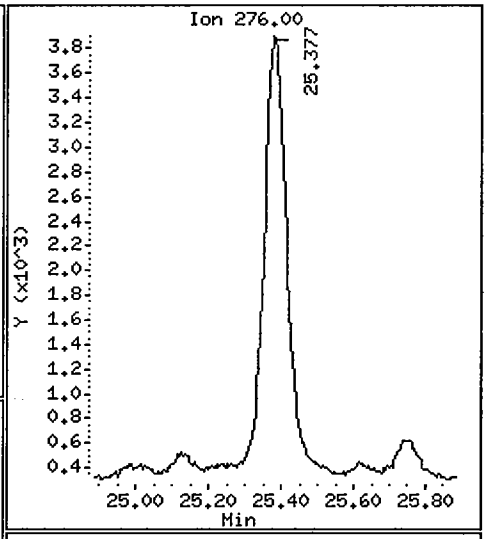
Sample Info: 1005157-02:TD

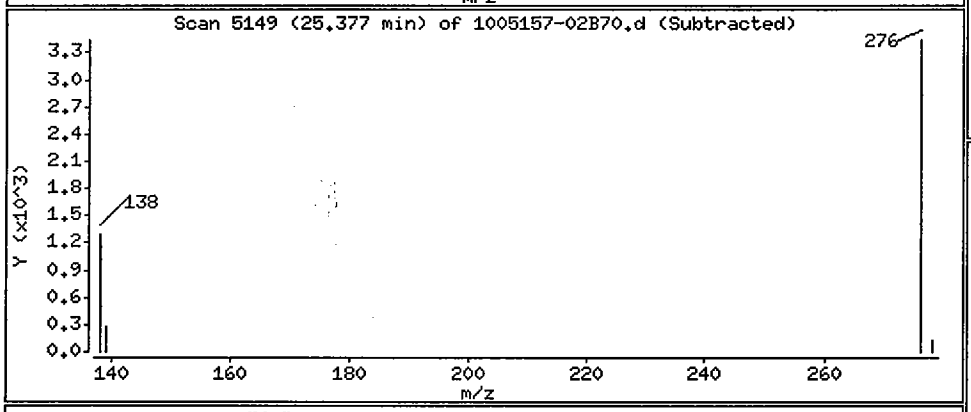
Volume Injected (uL): 2.0 Operator: TD

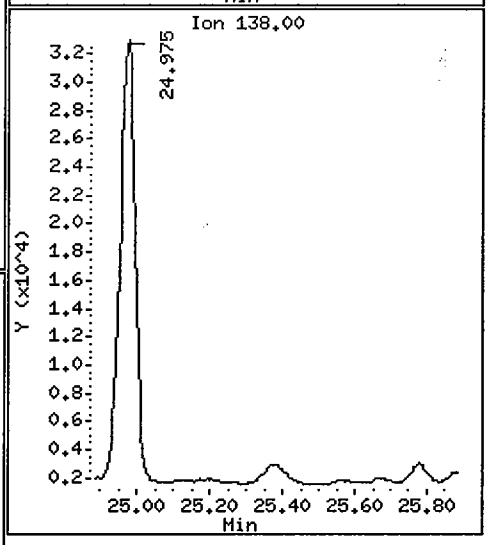
Column phase: Rtx-5MS Column diameter: 0.32

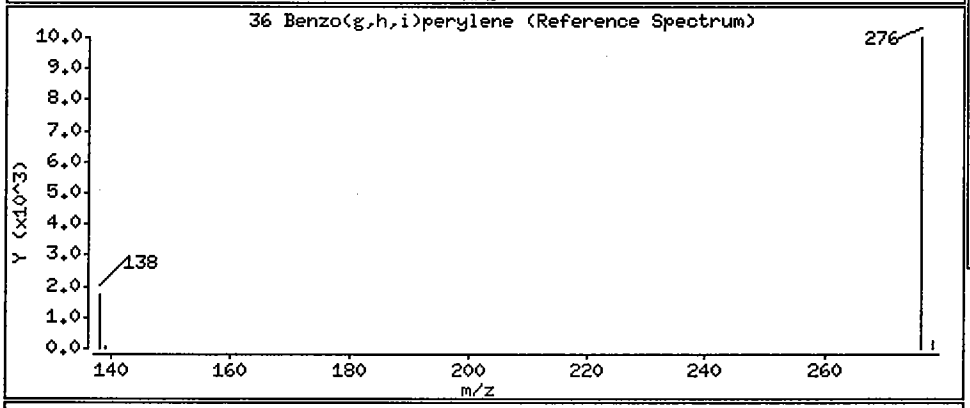
36 Benzo(g,h,i)perylene Concentration: 5.2 ug/Kg

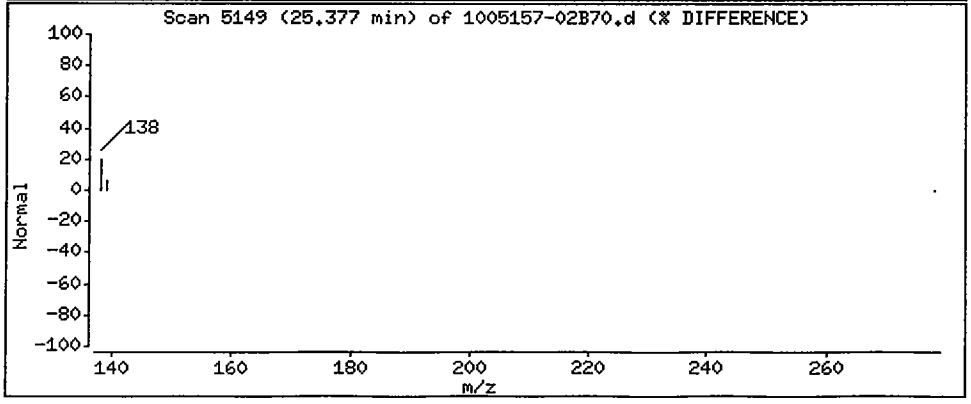












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SS51D-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/19/10

Lab Sample ID: 1005157-03
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005157-03B70
Analyst: TD

% Moisture: 23 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

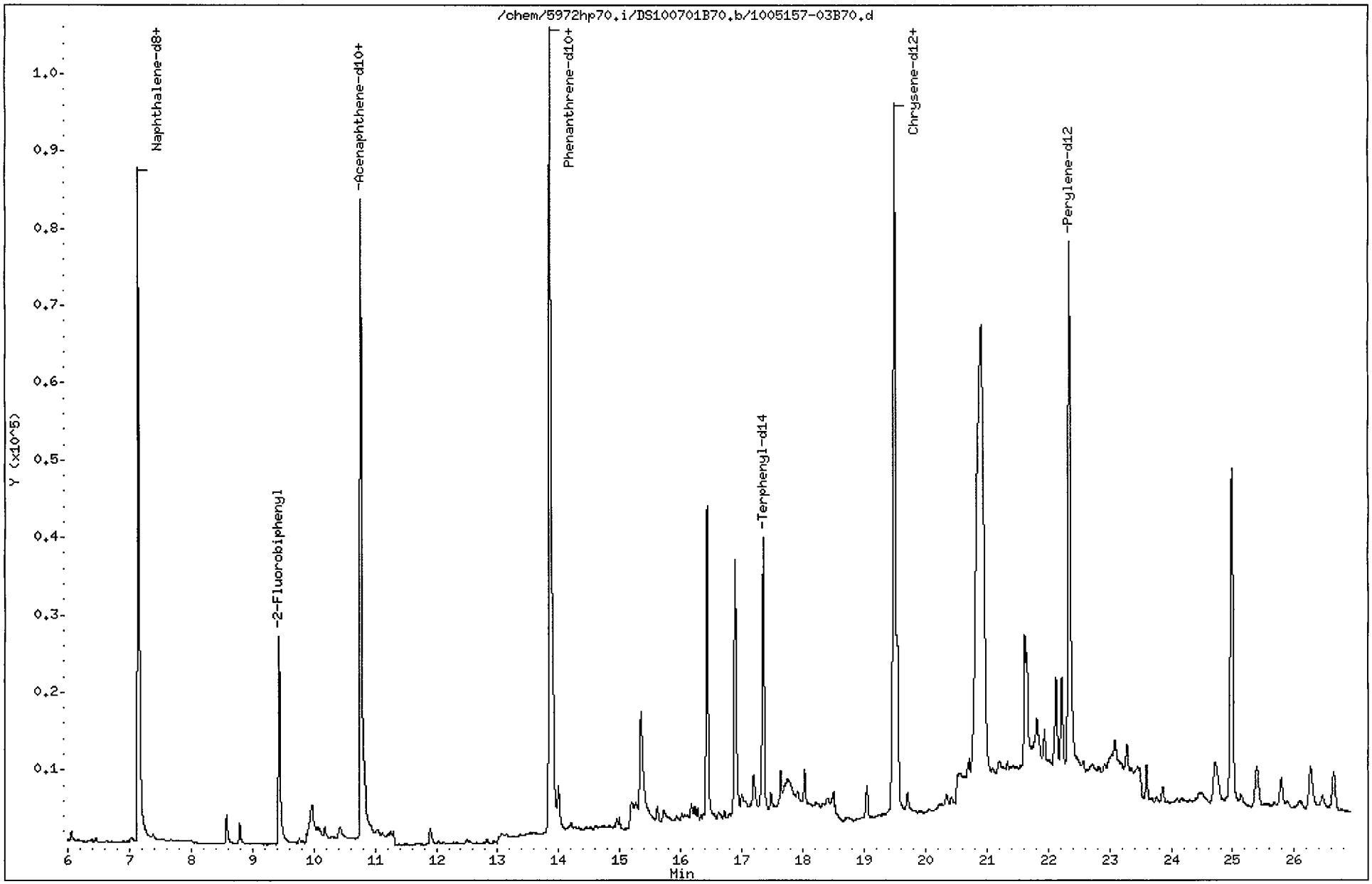
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.93	11	1.3	J
91-57-6	2-Methylnaphthalene	0.89	11	1.6	J
208-96-8	Acenaphthylene	0.69	11	ND	U
83-32-9	Acenaphthene	0.78	11	0.92	J
86-73-7	Fluorene	0.58	11	0.77	J
85-01-8	Phenanthrene	1.7	11	7.8	J
120-12-7	Anthracene	0.56	11	2.5	J
206-44-0	Fluoranthene	1.7	11	13	
129-00-0	Pyrene	0.74	11	11	
56-55-3	Benzo(a)anthracene	0.74	11	7.4	J
218-01-9	Chrysene	0.82	11	8.2	J
205-99-2	Benzo(b)fluoranthene	0.74	11	ND	U
207-08-9	Benzo(k)fluoranthene	0.56	11	ND	U
50-32-8	Benzo(a)pyrene	0.50	11	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.48	11	8.5	J
53-70-3	Dibenzo(a,h)anthracene	0.43	11	1.9	J
191-24-2	Benzo(g,h,i)perylene	0.50	11	3.8	J

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100701B70.b/1005157-03B70.d
Date : 02-JUL-2010 07:54
Client ID: SS51D-0-1
Sample Info: 1005157-03:TD
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: TD
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701B70.b/1005157-03B70.d
Report Date: 06-Jul-2010 17:59

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701B70.b/1005157-03B70.d
Lab Smp Id: 1005157-03 Client Smp ID: SS51D-0-1
Inj Date : 02-JUL-2010 07:54
Operator : TD Inst ID: 5972hp70.i
Smp Info : 1005157-03:TD
Misc Info : SS51D-0-1
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701B70.b/SIM_8270Cv3DOD.m
Meth Date : 06-Jul-2010 17:58 parikh Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	23.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	4.849	4.848	(1.000)	39229	2.00000	(a)
* 2 Naphthalene-d8	136	7.146	7.162	(1.000)	157039	2.00000	(a)
* 3 Acenaphthene-d10	164	10.763	10.784	(1.000)	96294	2.00000	(a)
* 4 Phenanthrene-d10	188	13.854	13.872	(1.000)	185481	2.00000	(a)
* 5 Chrysene-d12	240	19.494	19.499	(1.000)	150371	2.00000	(a)
* 6 Perylene-d12	264	22.344	22.344	(1.000)	144057	2.00000	(a)
$ 9 Nitrobenzene-d5	82	5.872	5.880	(0.822)	28960	0.56987	12
$ 10 2-Fluorobiphenyl	172	9.433	9.460	(0.876)	42796	0.64486	14
$ 12 Terphenyl-d14	244	17.349	17.362	(0.890)	52452	0.97994	21
13 Naphthalene	128	7.177	7.193	(1.004)	6068	0.06051	1.3(a)
15 2-Methylnaphthalene	141	8.578	8.596	(1.200)	3590	0.07596	1.6(a)
17 Acenaphthylene	152	Compound Not Detected.					
18 Acenaphthene	154	10.829	10.849	(1.006)	2456	0.04260	0.92(a)

SAP 07/06/10

Data File: /chem/5972hp70.i/DS100701B70.b/1005157-03B70.d
Report Date: 06-Jul-2010 17:59

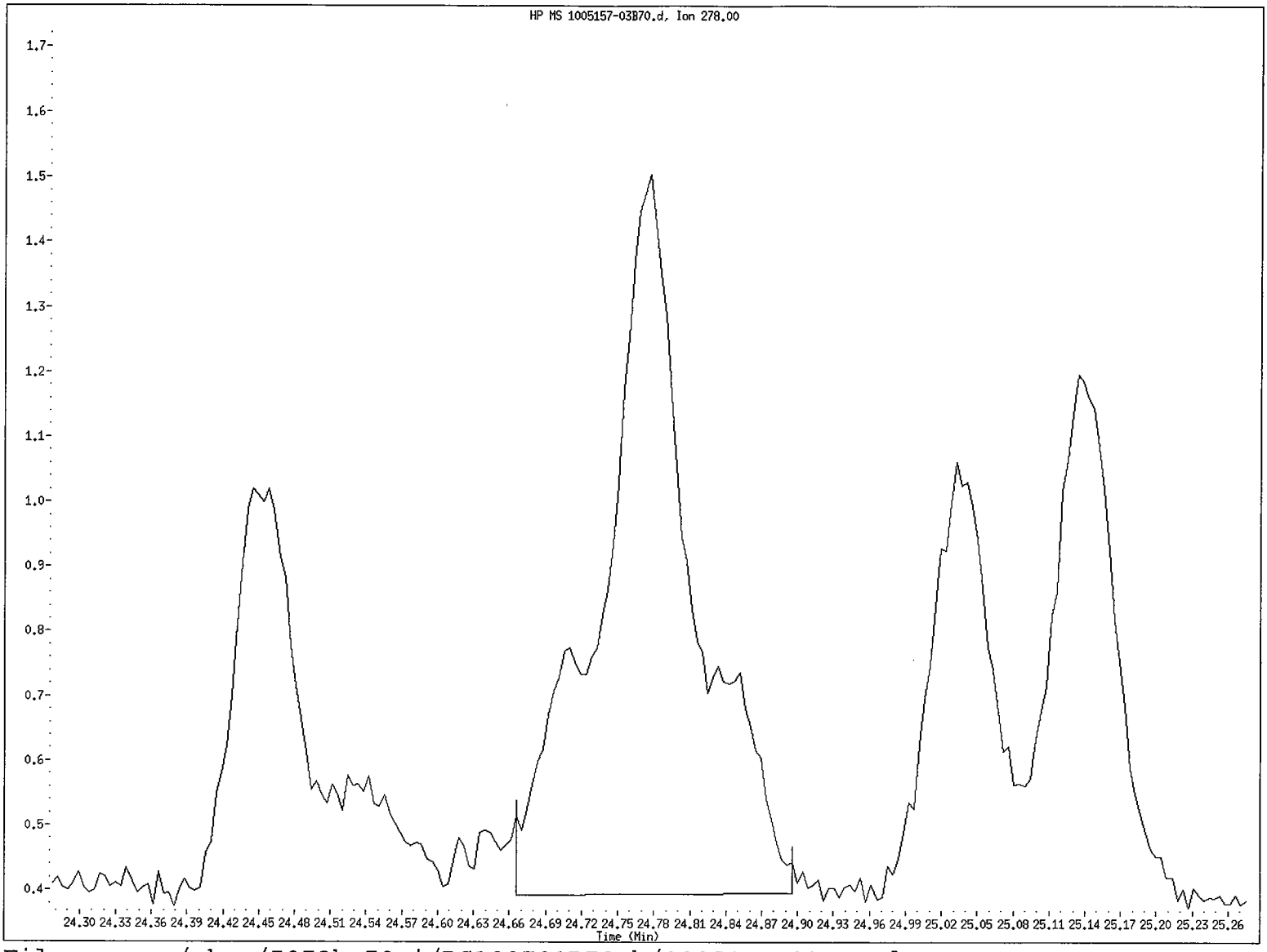
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	11.900	11.918	(1.106)	2583	0.03566	0.77(a)
25 Phenanthrene	178	13.902	13.916	(1.004)	36295	0.35852	7.8(a)
26 Anthracene	178	13.995	14.009	(1.010)	10681	0.11498	2.5(a)
27 Fluoranthene	202	16.431	16.440	(1.186)	59159	0.59511	13
28 Pyrene	202	16.886	16.894	(0.866)	52909	0.48688	11
29 Benzo(a)anthracene	228	19.459	19.468	(0.998)	27032	0.34142	7.4(a)
30 Chrysene	228	19.543	19.552	(1.002)	35544	0.37711	8.2(a)
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	24.714	24.710	(1.106)	12560	0.39179	8.5(a)
35 Dibenzo(a,h)anthracene	278	24.776	24.776	(1.109)	6023	0.08553	1.9(aM) 2
36 Benzo(g,h,i)perylene	276	25.390	25.385	(1.136)	13583	0.17450	3.8(a)

SAP
07/06/10

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

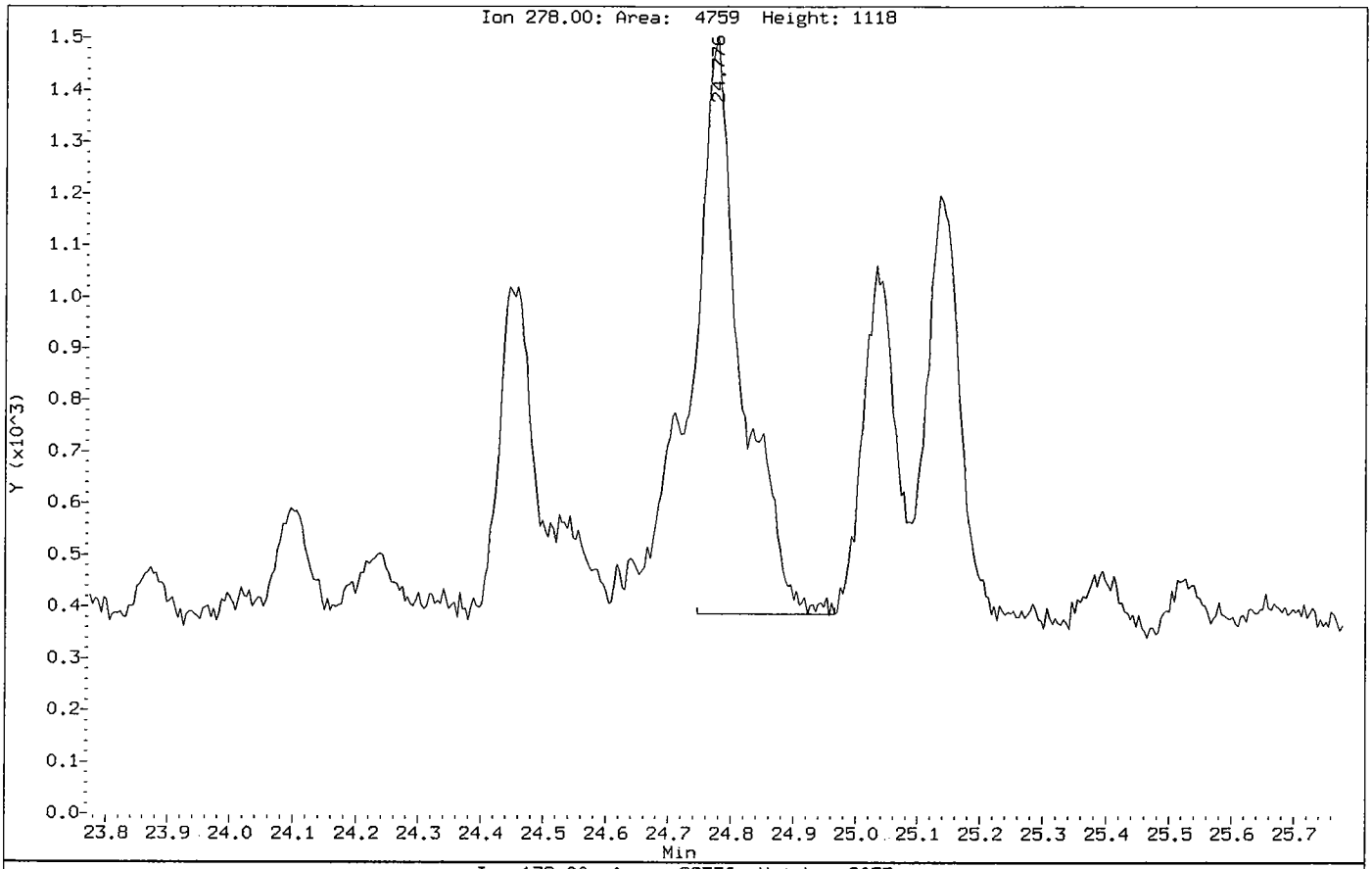
Dibenzo(a,h)anthracene CAS Number 53-70-3 Area = 6023 Manually integrated

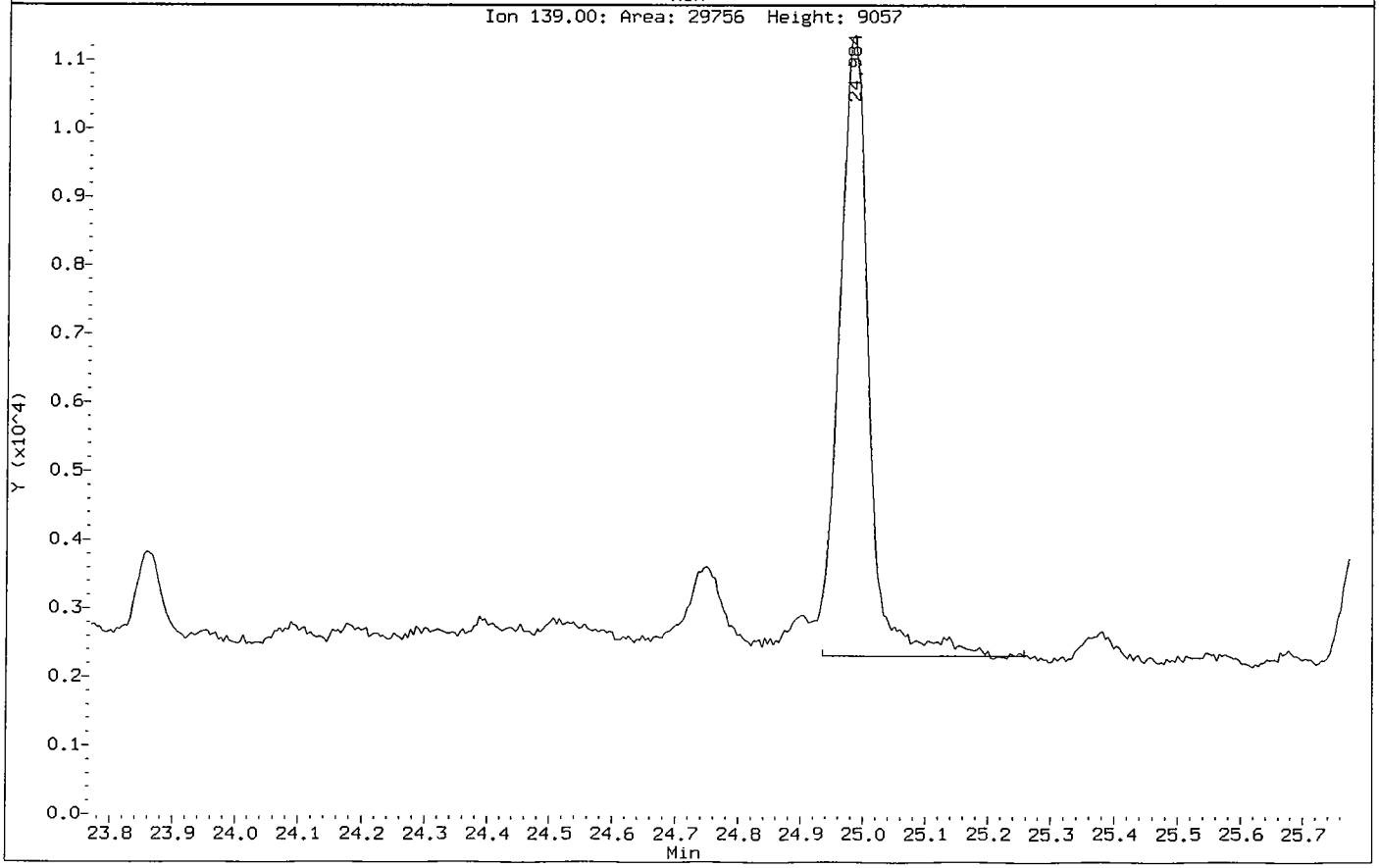


File name: /chem/5972hp70.i/DS100701B70.b/1005157-03B70.d
Client ID: SS51D-0-1
Instrument ID: 5972hp70.i
Injection Date and Time: 02-JUL-2010 07:54
Retention Time: 24.78
Operator ID: TD

Data File: /chem/5972hp70.i/DS100701B70.b/1005157-03B70.d
Injection Date: 02-JUL-2010 07:54
Instrument: 5972hp70.i
Client Sample ID: SS51D-0-1

Compound: Dibenzo(a,h)anthracene
CAS Number: 53-70-3





Data File: /chem/5972hp70.i/DS100701B70.b/1005157-03B70.d

Date : 02-JUL-2010 07:54

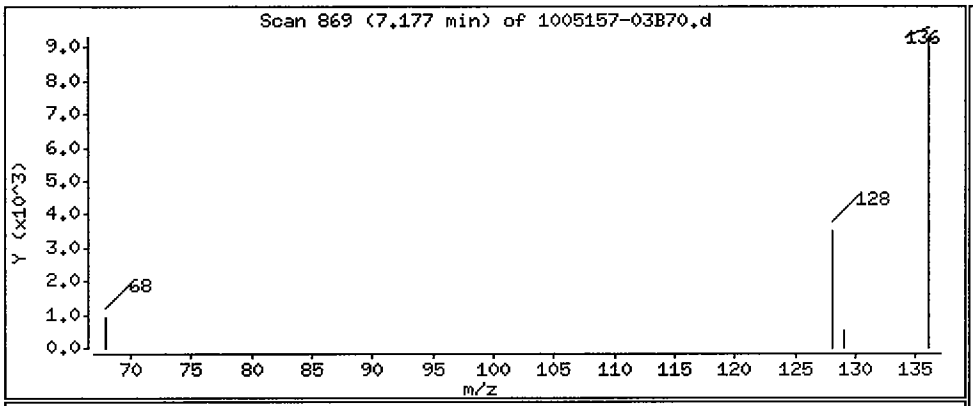
Client ID: SS51D-0-1 Instrument: 5972hp70.i

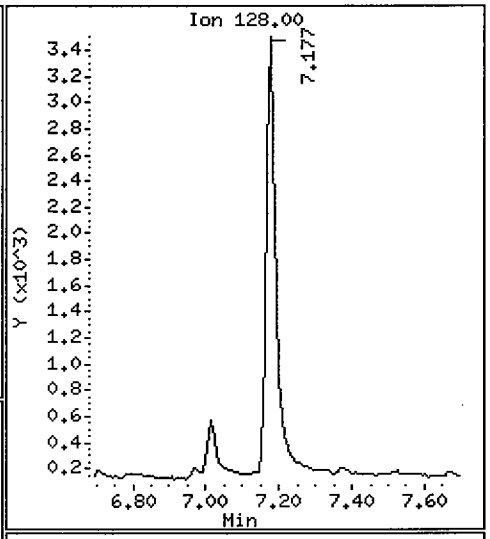
Sample Info: 1005157-03:TD

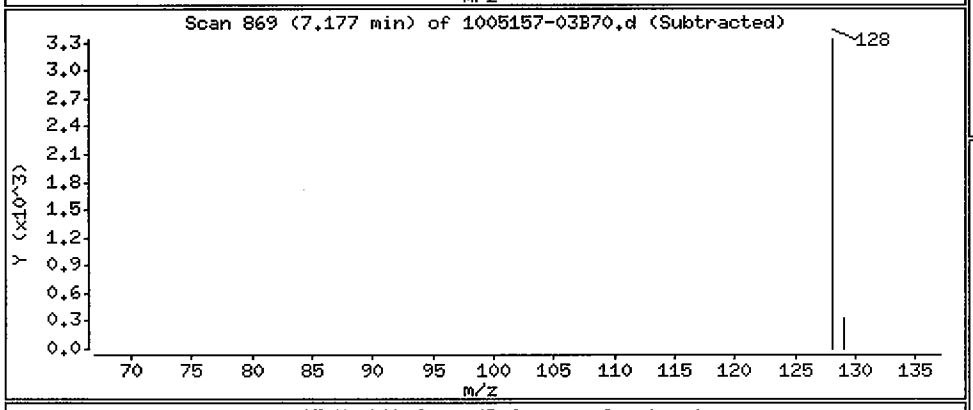
Volume Injected (uL): 2.0 Operator: TD

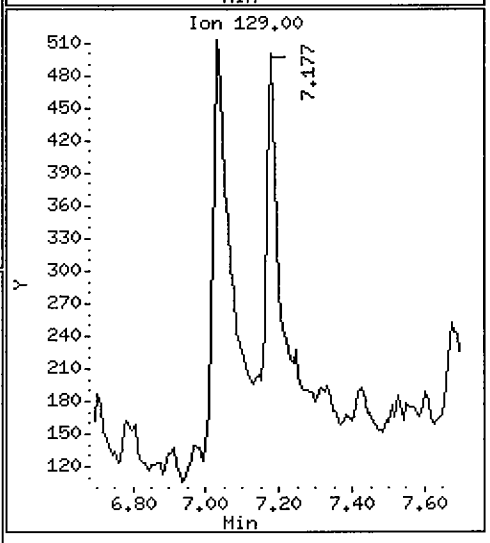
Column phase: Rtx-5MS Column diameter: 0.32

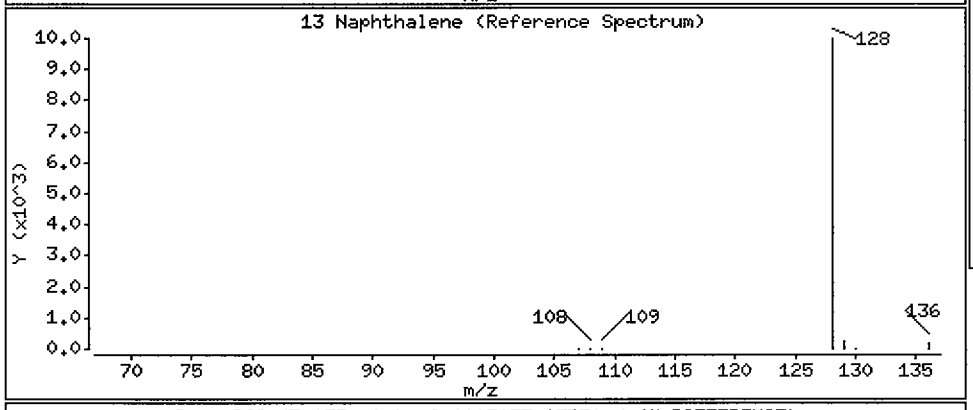
13 Naphthalene Concentration: 1.3 ug/Kg

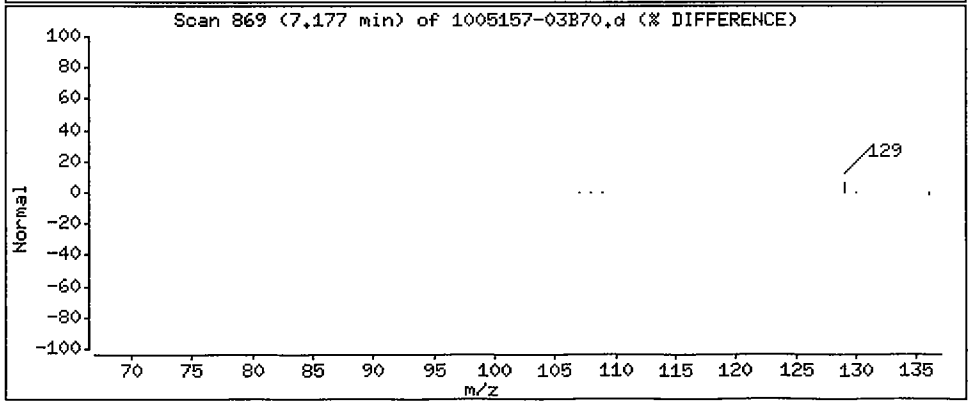












Data File: /chem/5972hp70.i/DS100701B70.b/1005157-03B70.d

Date : 02-JUL-2010 07:54

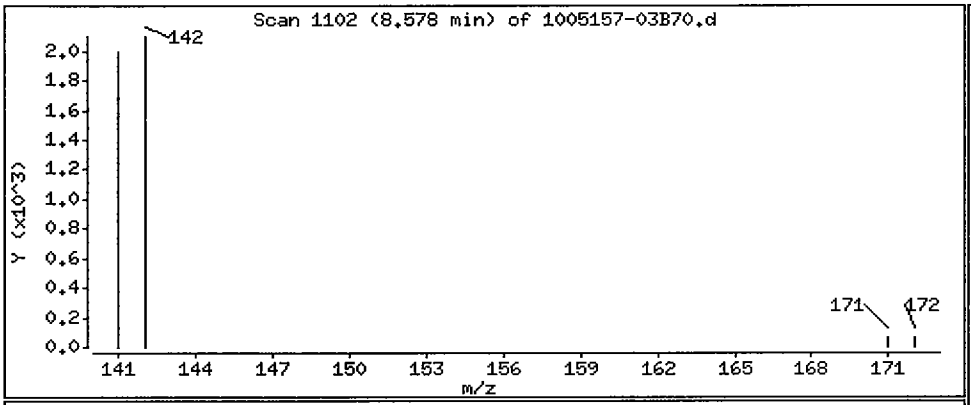
Client ID: SS51D-0-1 Instrument: 5972hp70.i

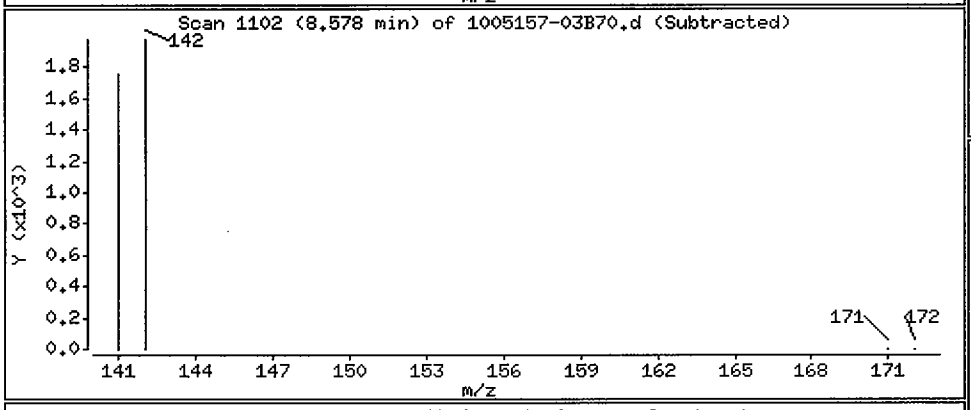
Sample Info: 1005157-03:TD

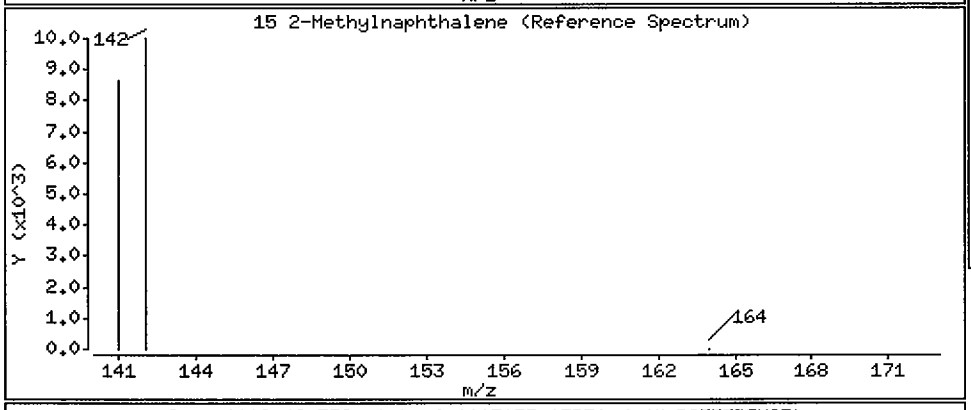
Volume Injected (uL): 2.0 Operator: TD

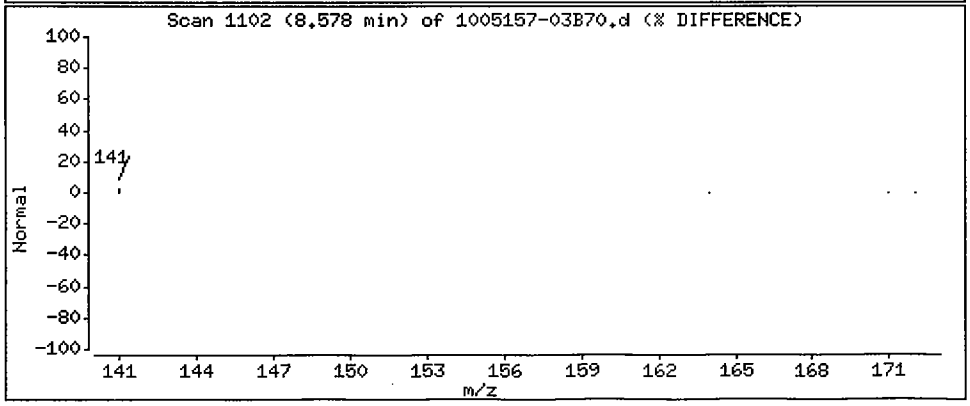
Column phase: Rtx-5MS Column diameter: 0.32

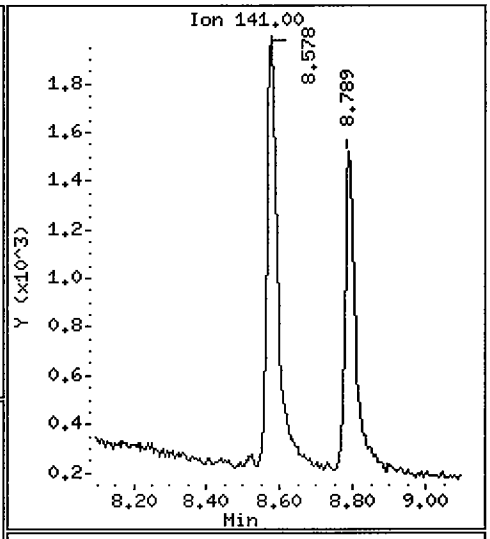
15 2-Methylnaphthalene Concentration: 1.6 ug/Kg

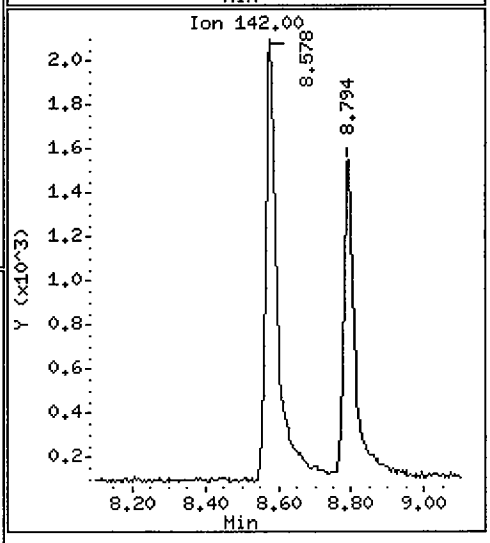












Data File: /chem/5972hp70.i/DS100701B70.b/1005157-03B70.d

Date : 02-JUL-2010 07:54

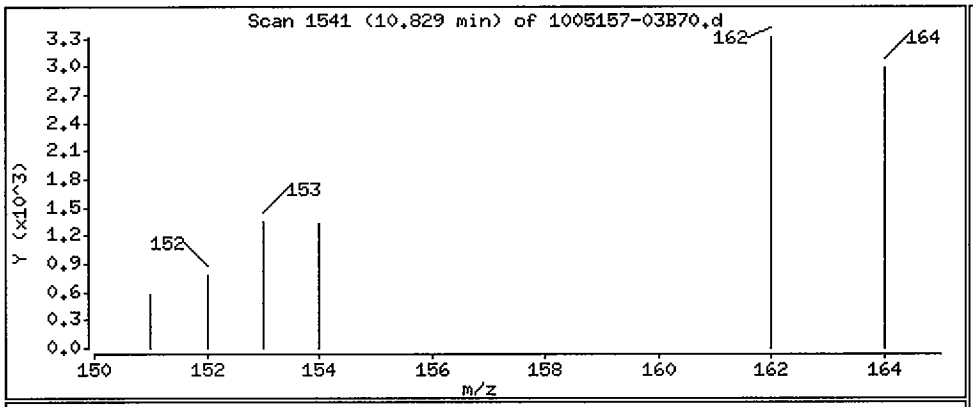
Client ID: SS51D-0-1 Instrument: 5972hp70.i

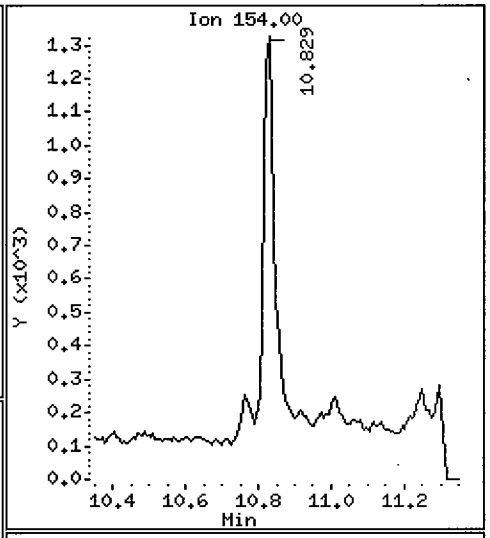
Sample Info: 1005157-03:TD

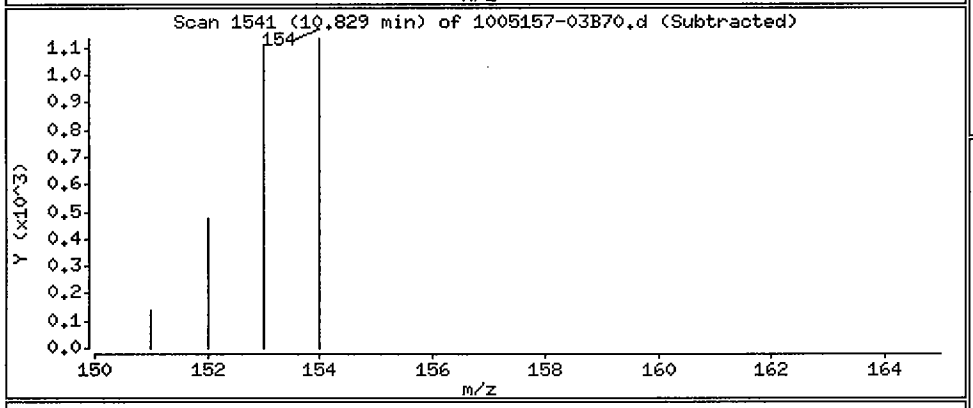
Volume Injected (uL): 2.0 Operator: TD

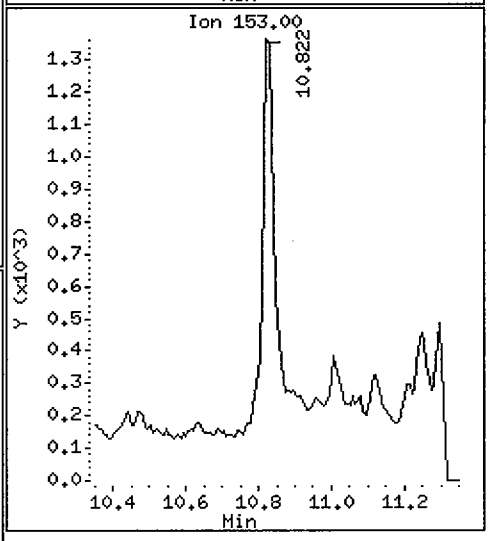
Column phase: Rtx-5MS Column diameter: 0.32

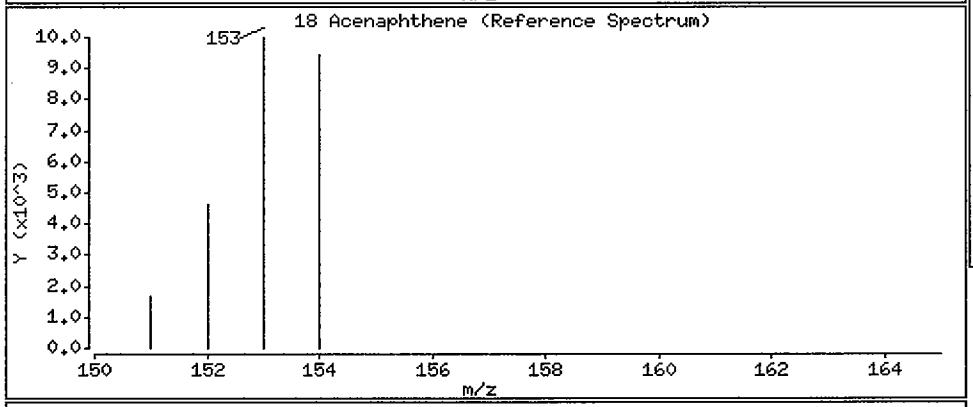
18 Acenaphthene Concentration: 0.92 ug/Kg

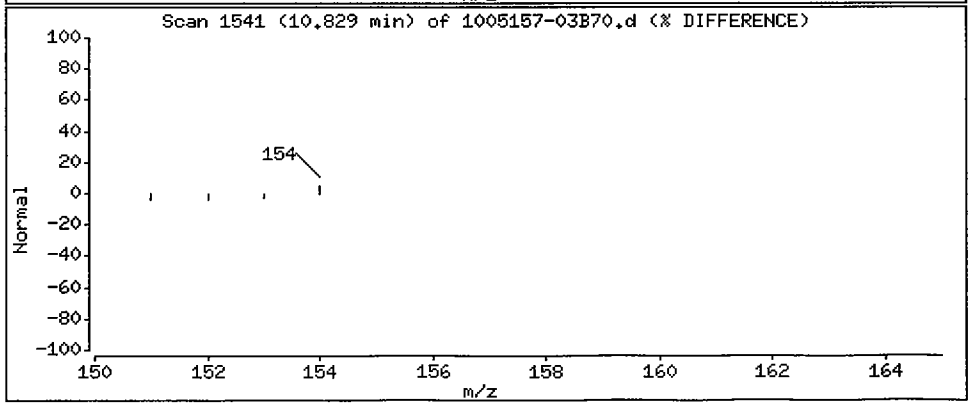












Data File: /chem/5972hp70.i/DS100701B70.b/1005157-03B70.d

Date : 02-JUL-2010 07:54

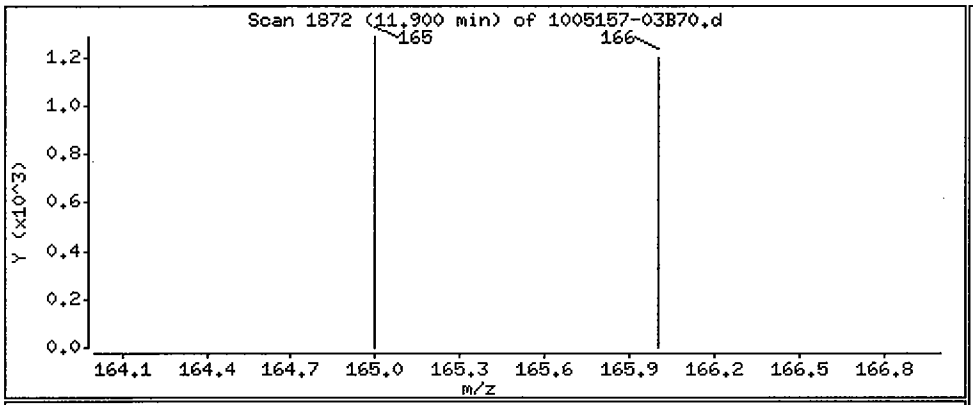
Client ID: SS51D-0-1 Instrument: 5972hp70.i

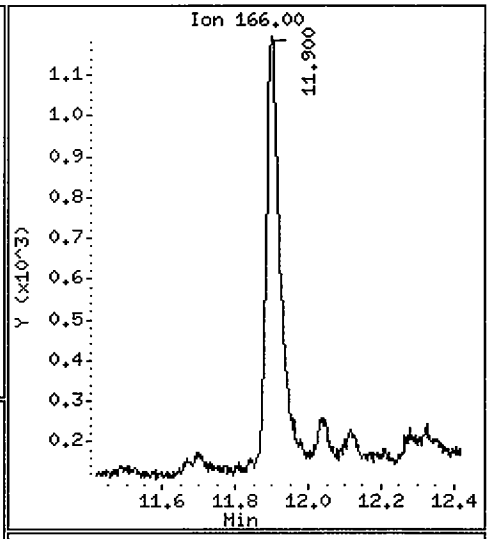
Sample Info: 1005157-03:TD

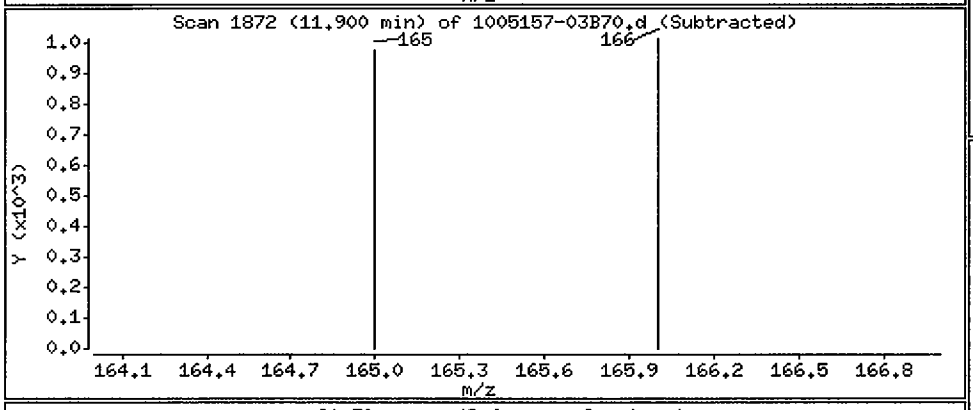
Volume Injected (uL): 2.0 Operator: TD

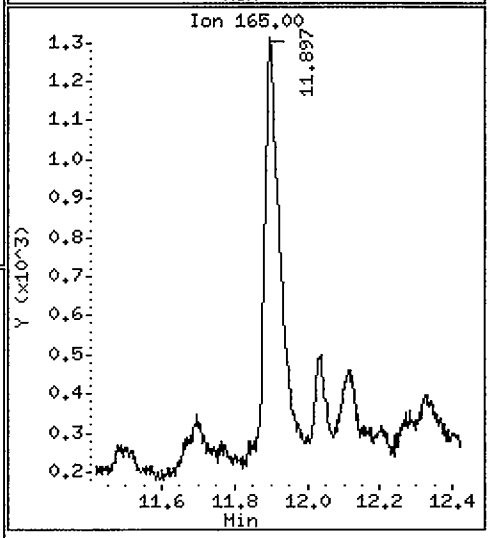
Column phase: Rtx-5MS Column diameter: 0.32

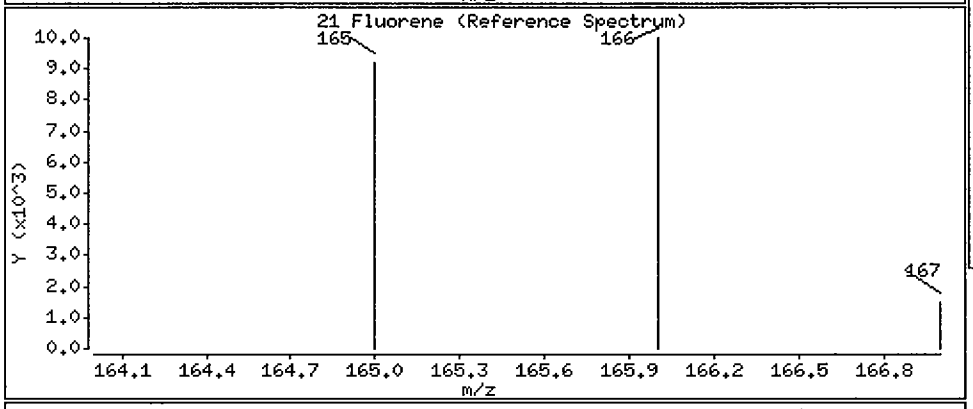
21 Fluorene Concentration: 0.77 ug/Kg

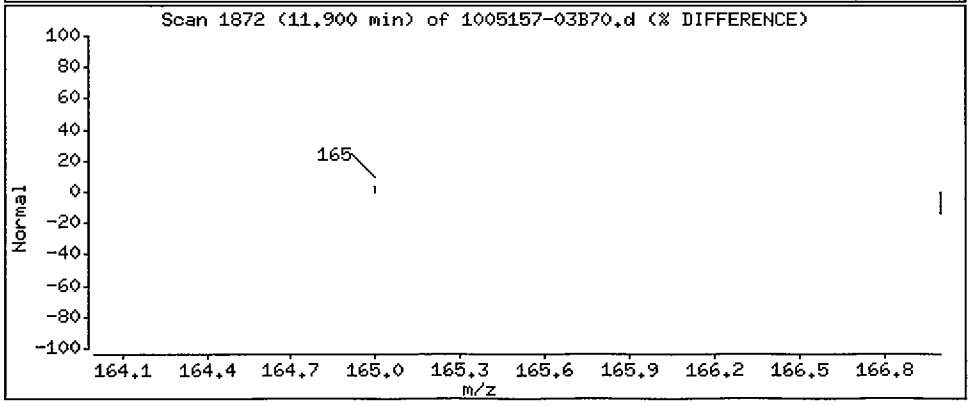












Data File: /chem/5972hp70.i/DS100701B70.b/1005157-03B70.d

Date : 02-JUL-2010 07:54

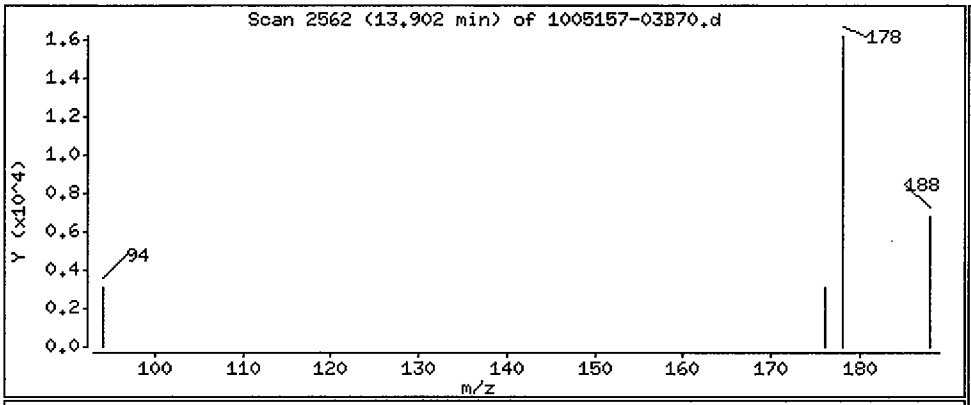
Client ID: SS51D-0-1 Instrument: 5972hp70.i

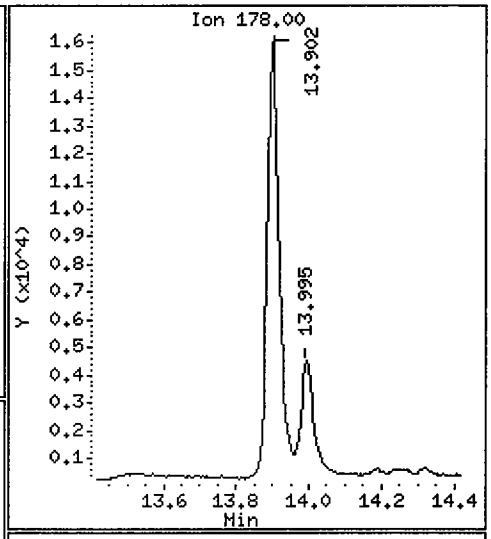
Sample Info: 1005157-03:TD

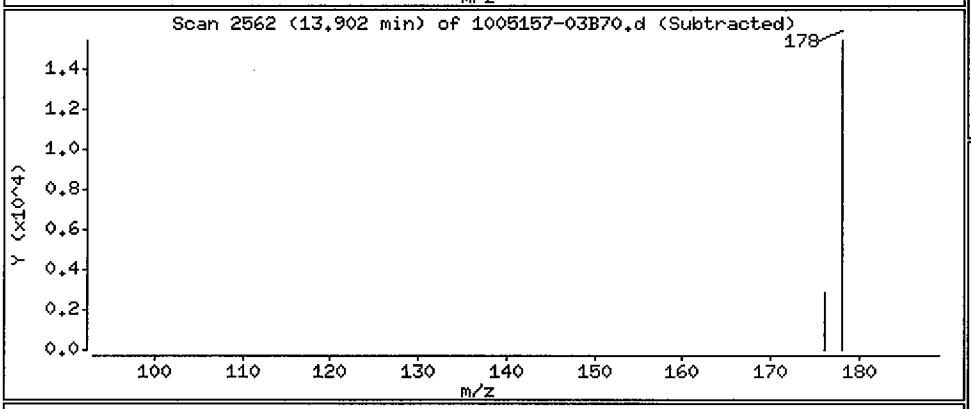
Volume Injected (uL): 2.0 Operator: TD

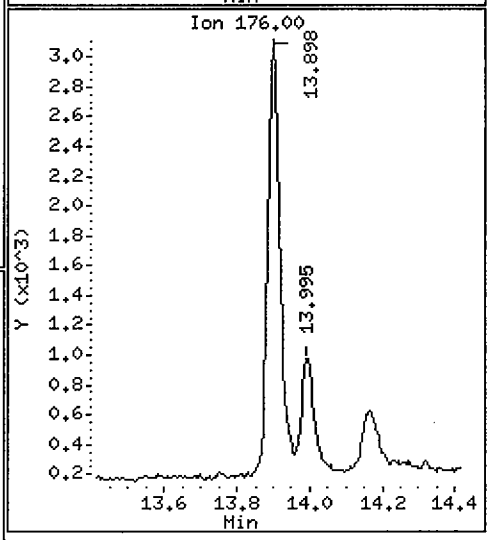
Column phase: Rtx-5MS Column diameter: 0.32

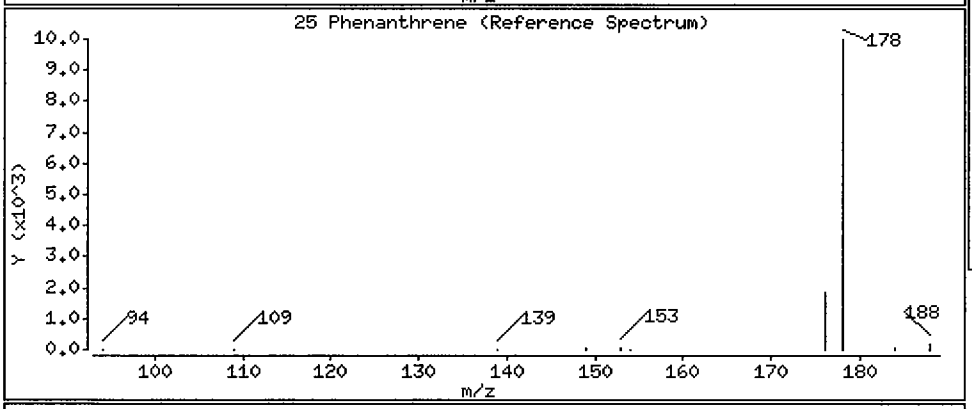
25 Phenanthrene Concentration: 7.8 ug/Kg

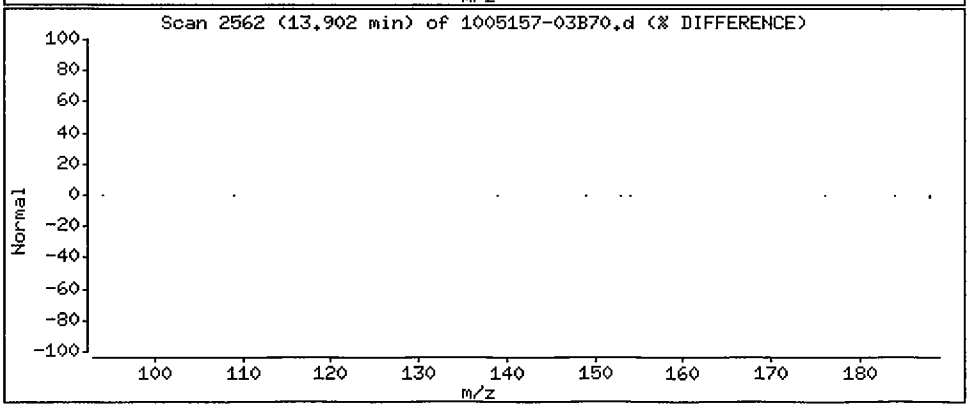












Data File: /chem/5972hp70.i/DS100701B70.b/1005157-03B70.d

Date : 02-JUL-2010 07:54

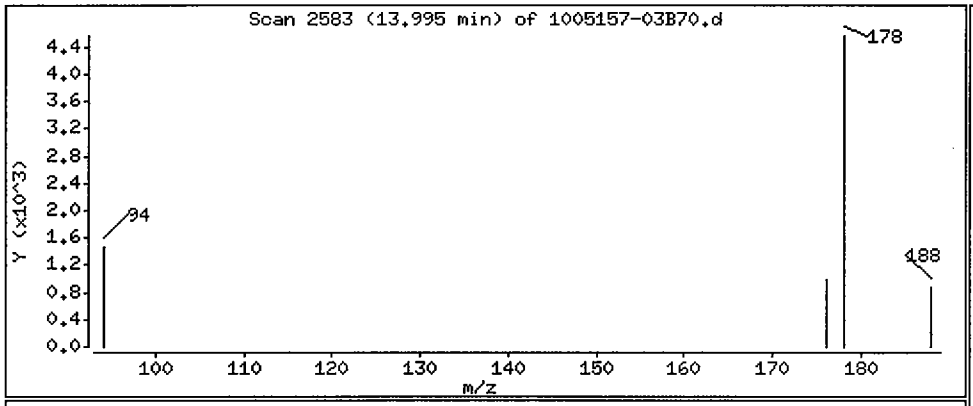
Client ID: SS51D-0-1 Instrument: 5972hp70.i

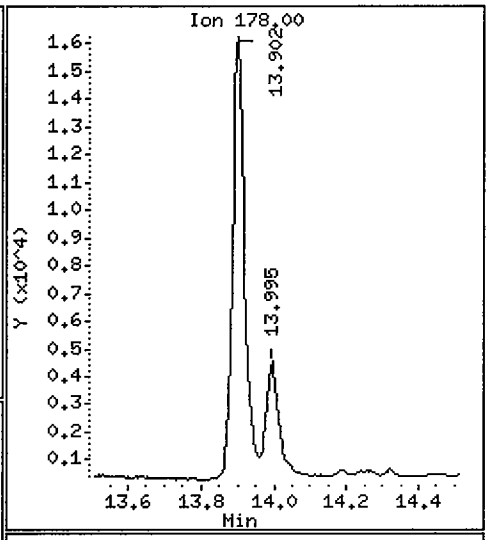
Sample Info: 1005157-03:TD

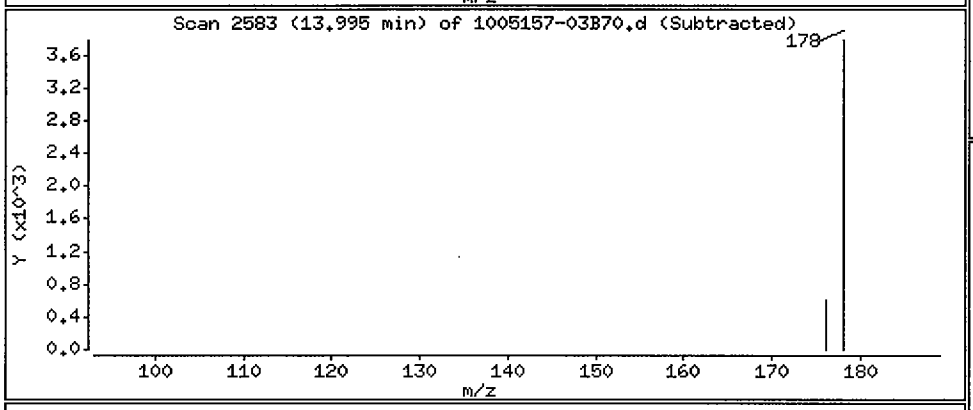
Volume Injected (uL): 2.0 Operator: TD

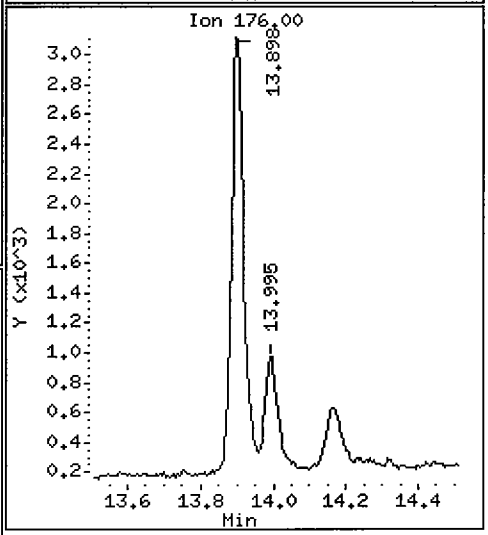
Column phase: Rtx-5MS Column diameter: 0.32

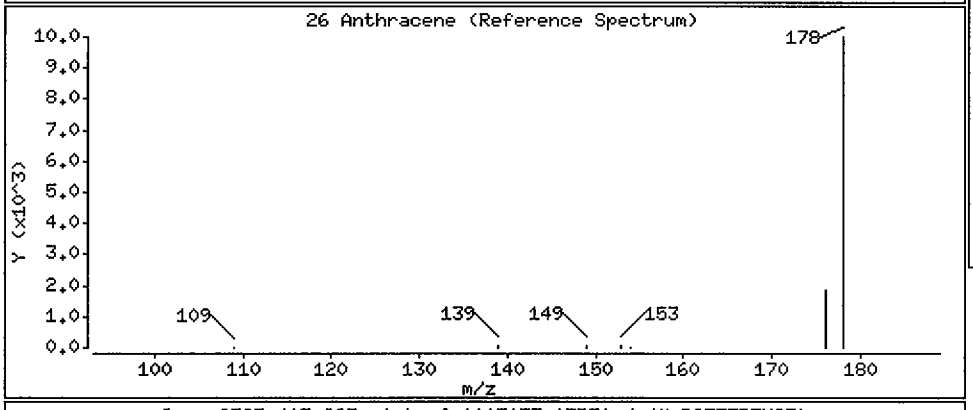
26 Anthracene Concentration: 2.5 ug/Kg

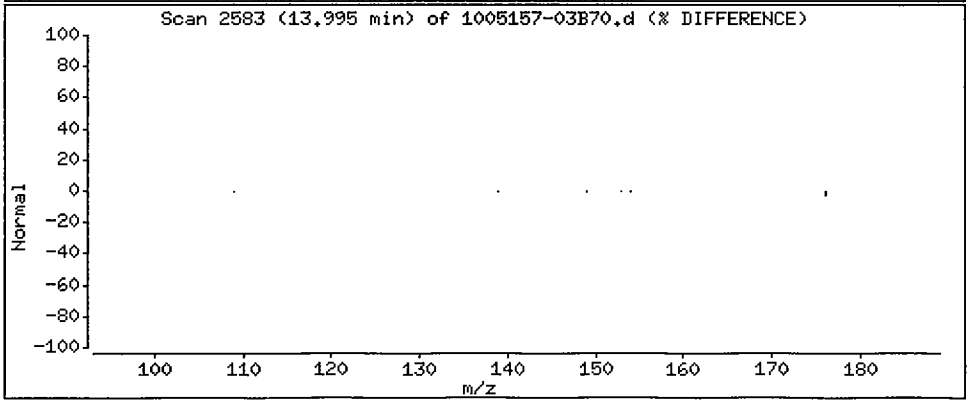












Data File: /chem/5972hp70.i/DS100701B70.b/1005157-03B70.d

Date : 02-JUL-2010 07:54

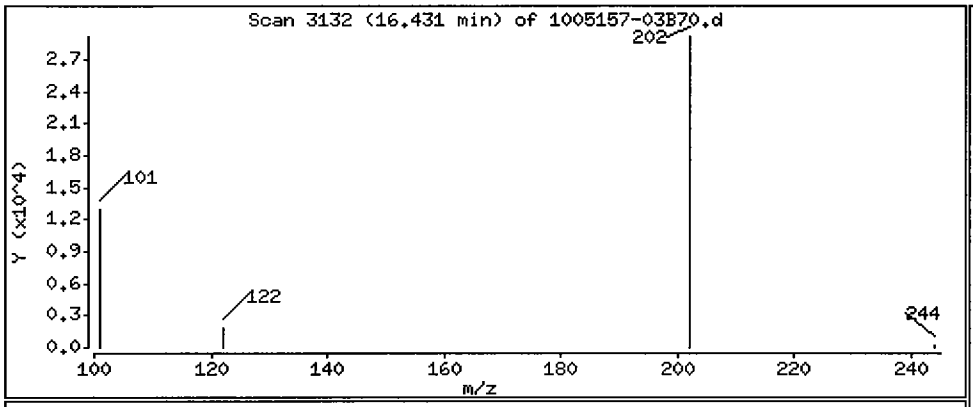
Client ID: SS51D-0-1 Instrument: 5972hp70.i

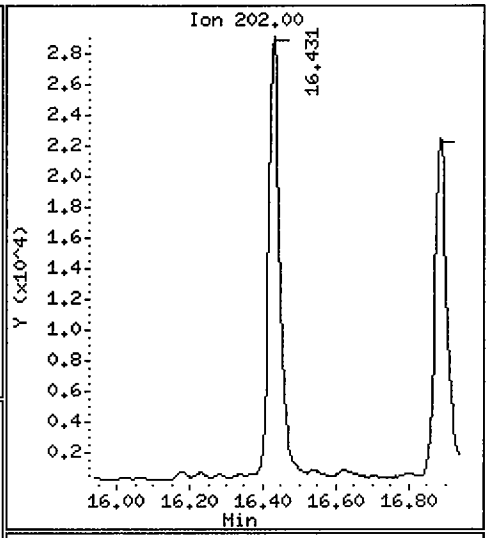
Sample Info: 1005157-03:TD

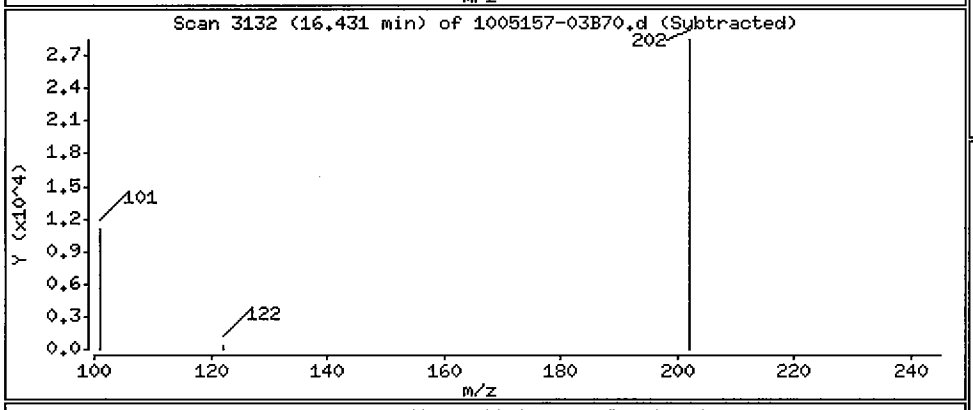
Volume Injected (uL): 2.0 Operator: TD

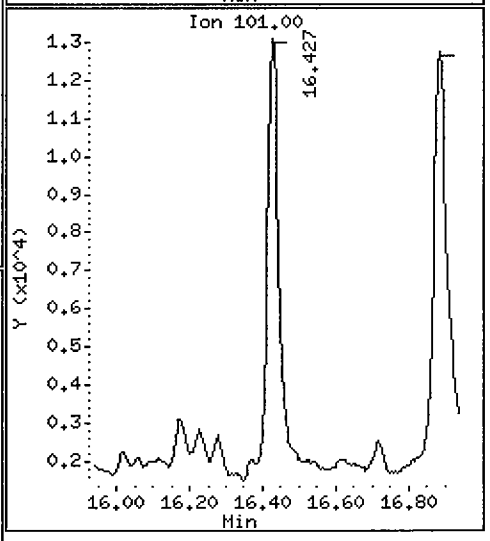
Column phase: Rtx-5MS Column diameter: 0.32

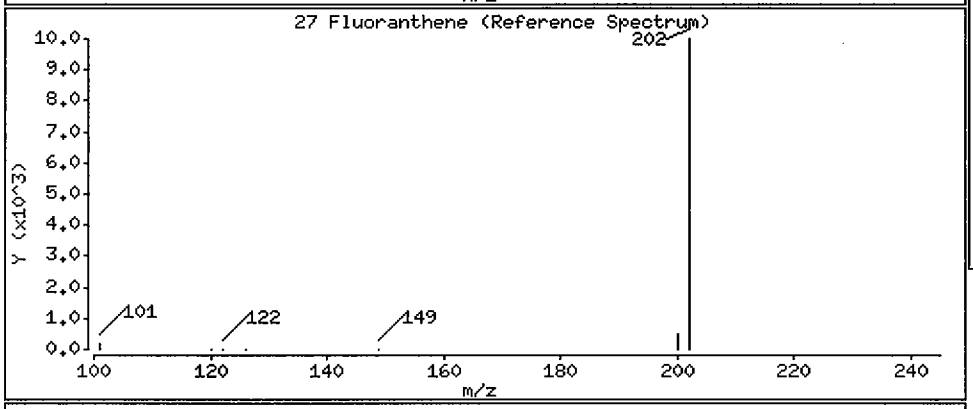
27 Fluoranthene Concentration: 13 ug/Kg

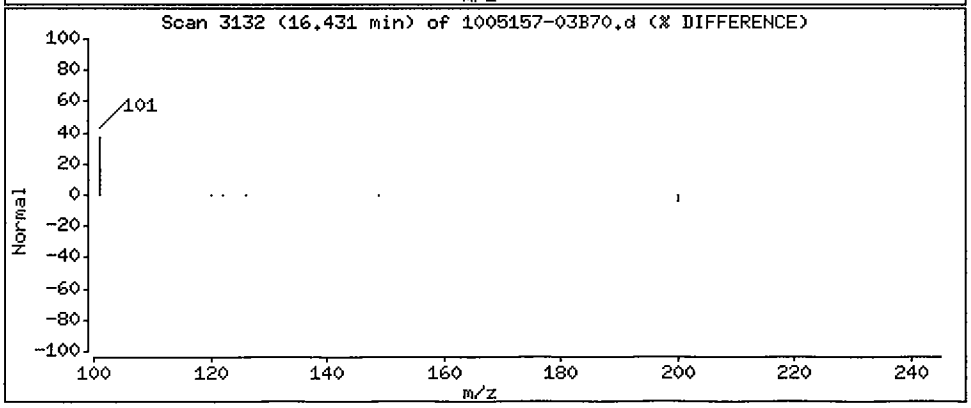












Data File: /chem/5972hp70.i/DS100701B70.b/1005157-03B70.d

Date : 02-JUL-2010 07:54

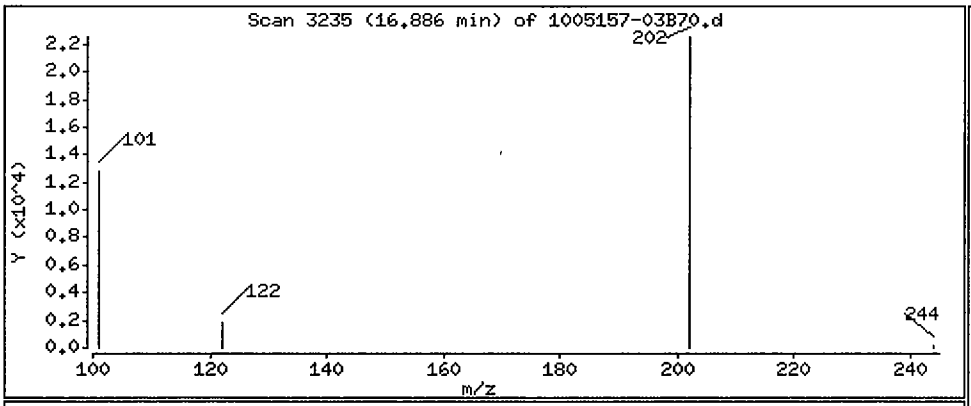
Client ID: SS51D-0-1 Instrument: 5972hp70.i

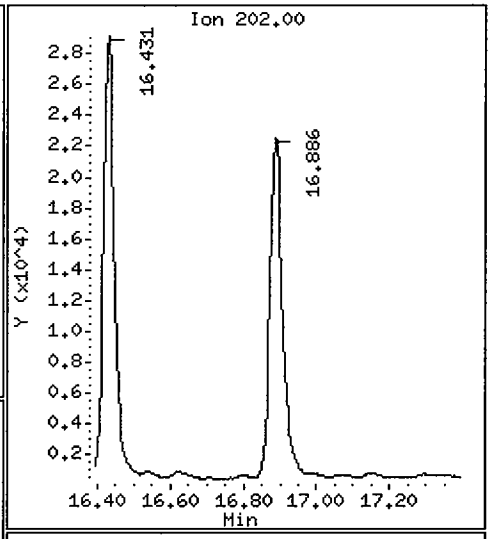
Sample Info: 1005157-03:TD

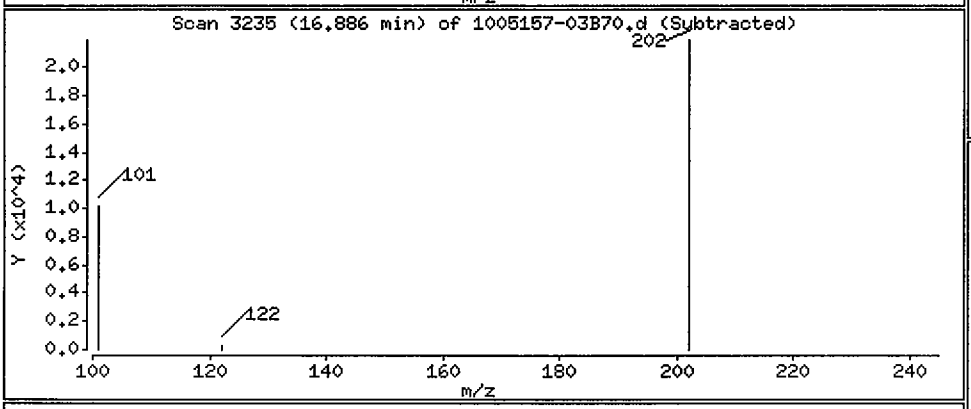
Volume Injected (uL): 2.0 Operator: TD

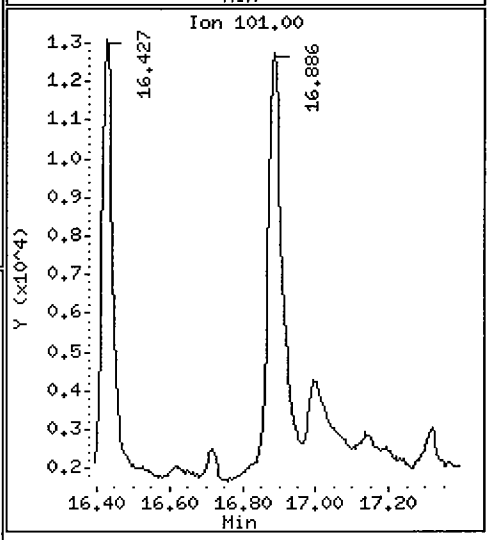
Column phase: Rtx-5MS Column diameter: 0.32

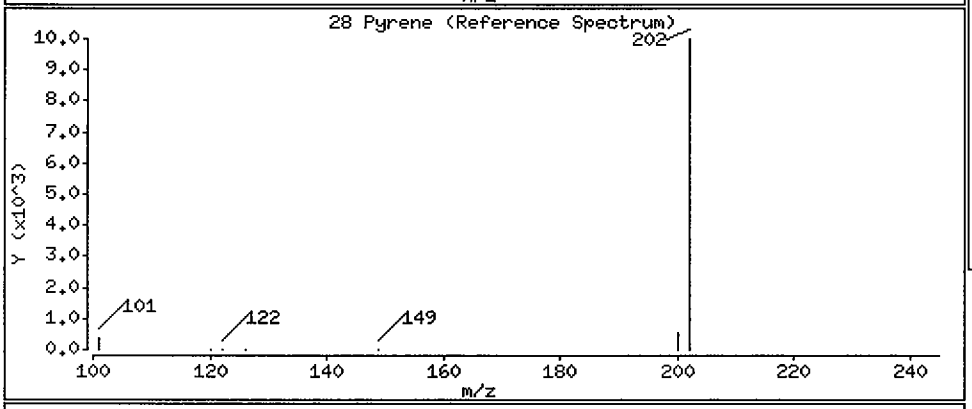
28 Pyrene Concentration: 11 ug/Kg

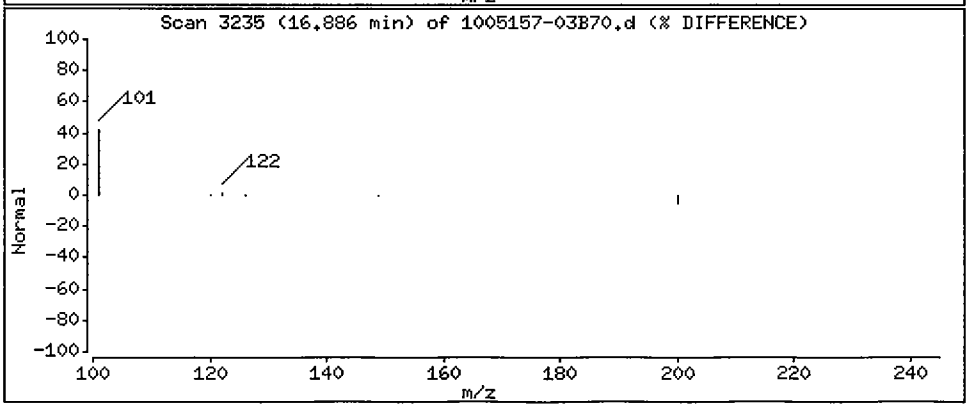












Data File: /chem/5972hp70.i/DS100701B70.b/1005157-03B70.d

Date : 02-JUL-2010 07:54

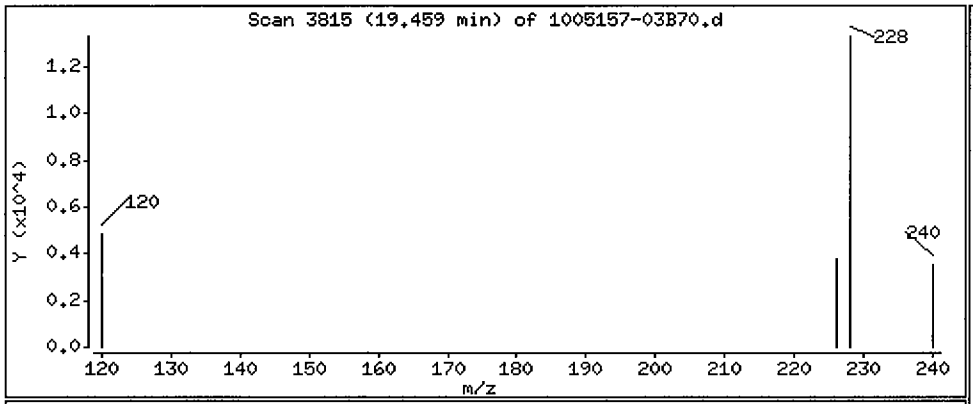
Client ID: SS51D-0-1 Instrument: 5972hp70.i

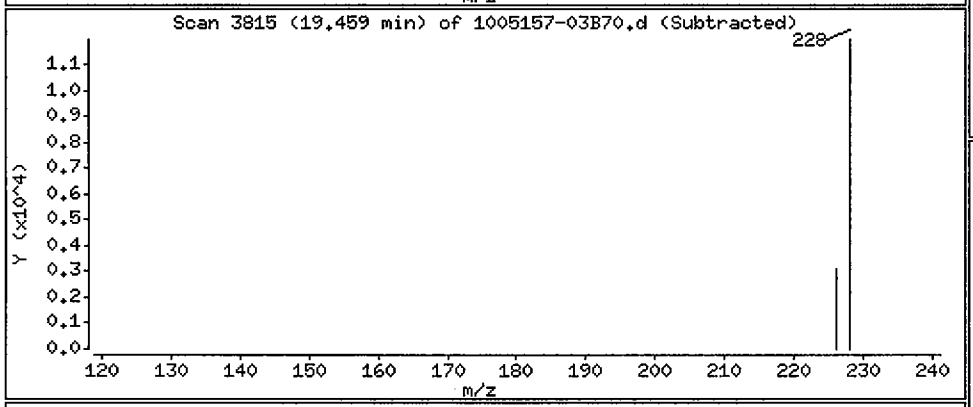
Sample Info: 1005157-03:TD

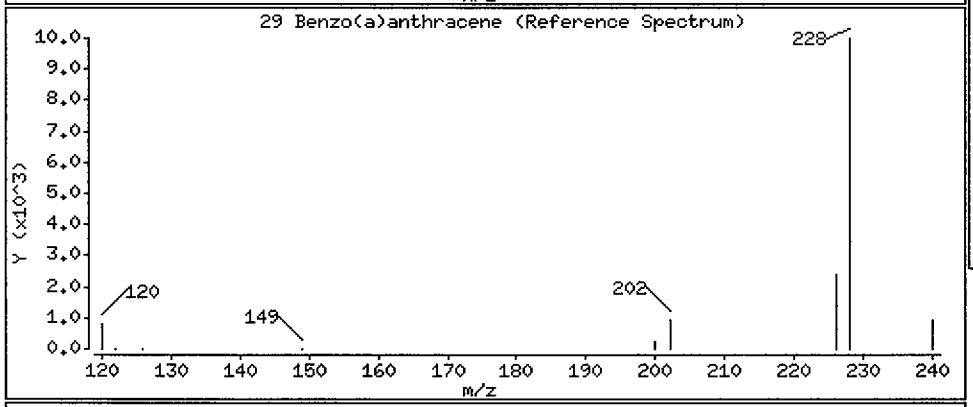
Volume Injected (uL): 2.0 Operator: TD

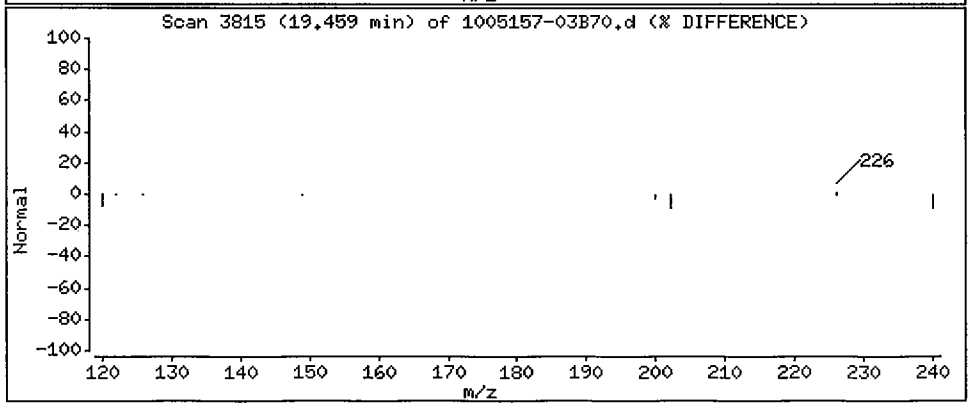
Column phase: Rtx-5MS Column diameter: 0.32

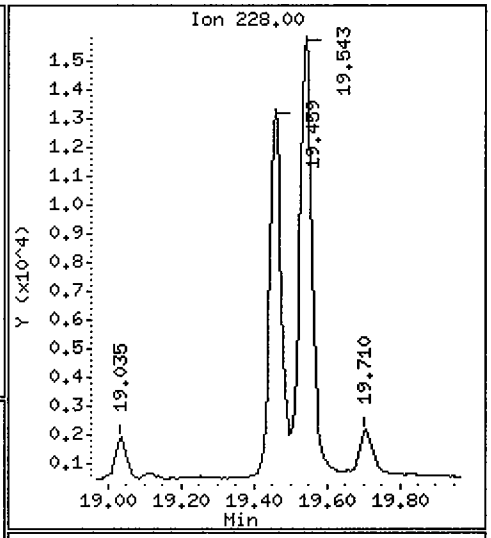
29 Benzo(a)anthracene Concentration: 7.4 ug/Kg

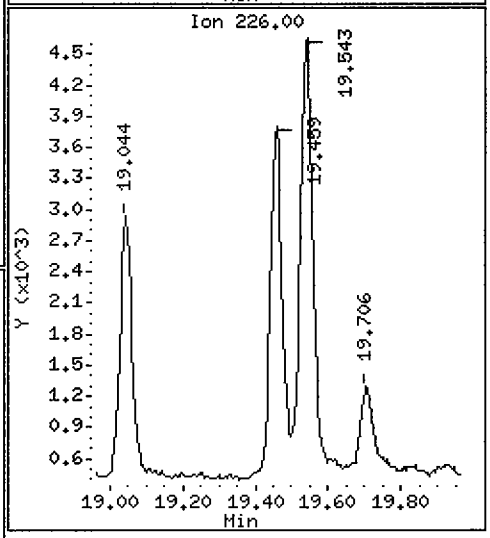












Data File: /chem/5972hp70.i/DS100701B70.b/1005157-03B70.d

Date : 02-JUL-2010 07:54

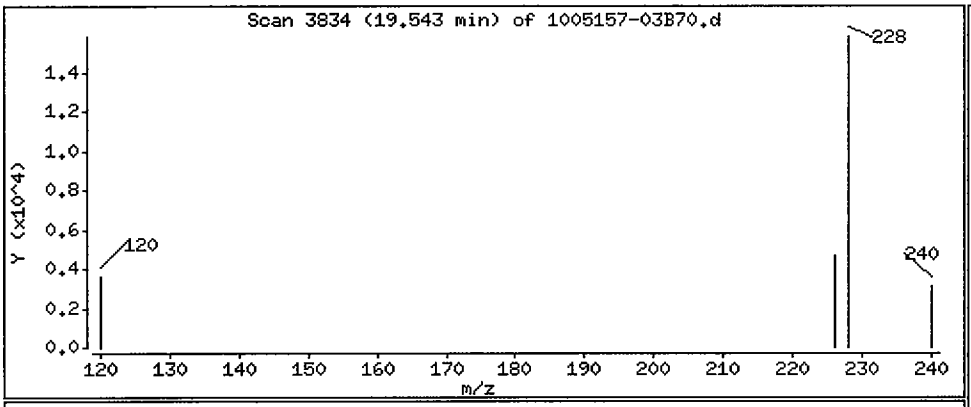
Client ID: SS51D-0-1 Instrument: 5972hp70.i

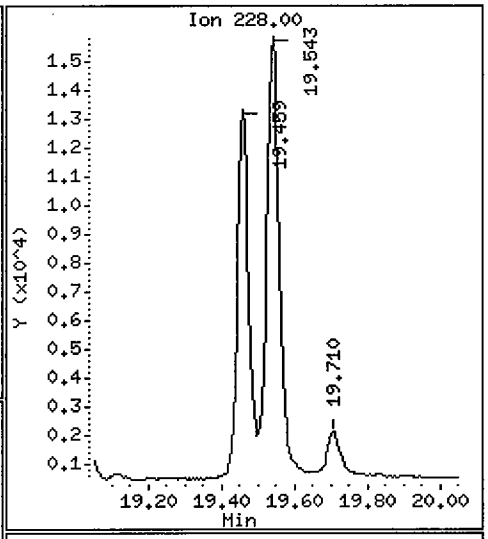
Sample Info: 1005157-03:TD

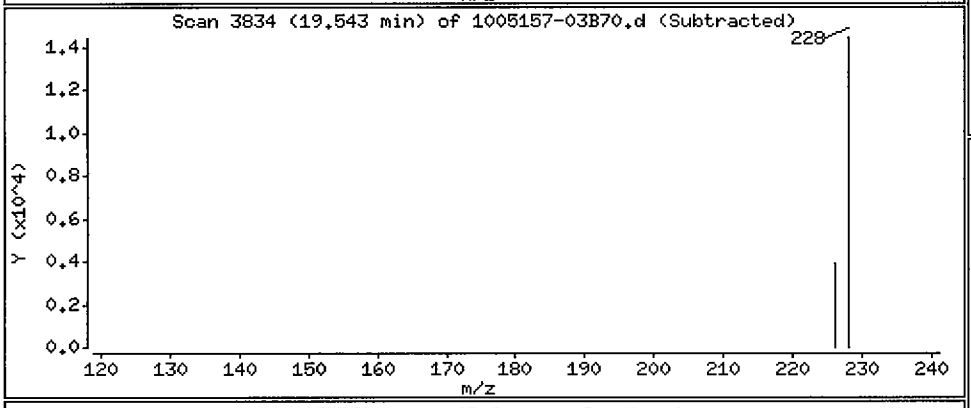
Volume Injected (uL): 2.0 Operator: TD

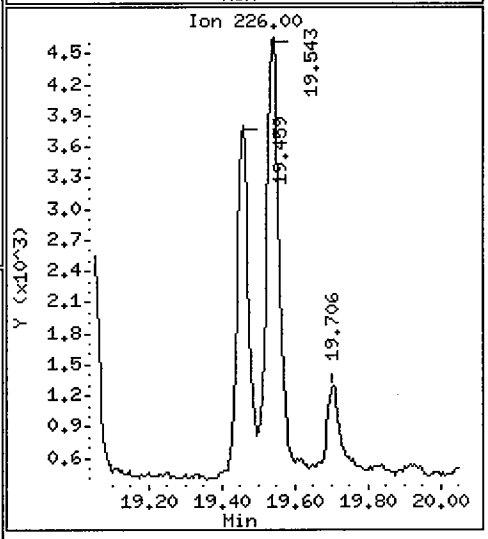
Column phase: Rtx-5MS Column diameter: 0.32

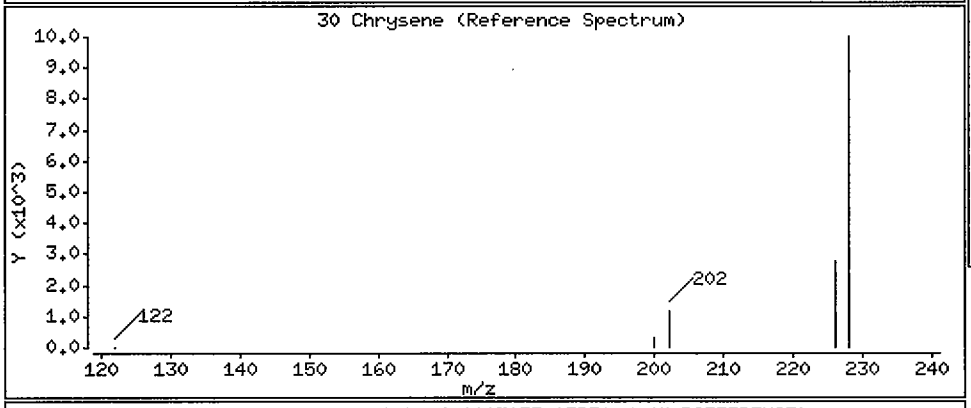
30 Chrysene Concentration: 8.2 ug/Kg

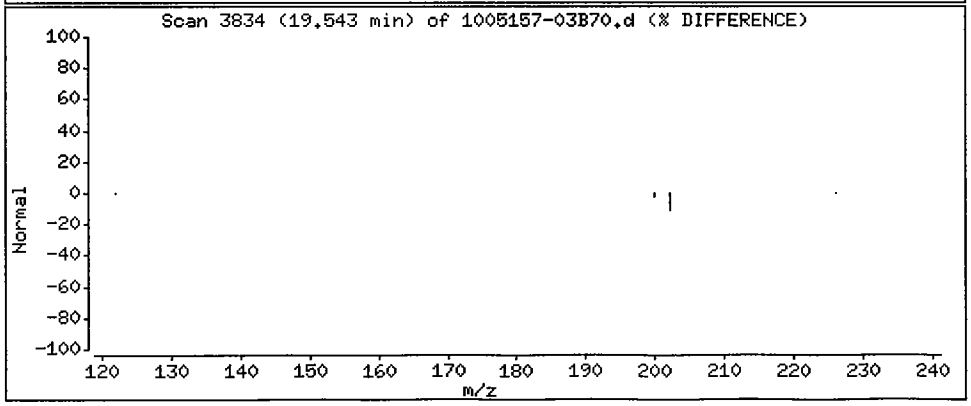












Data File: /chem/5972hp70.i/DS100701B70.b/1005157-03B70.d

Date : 02-JUL-2010 07:54

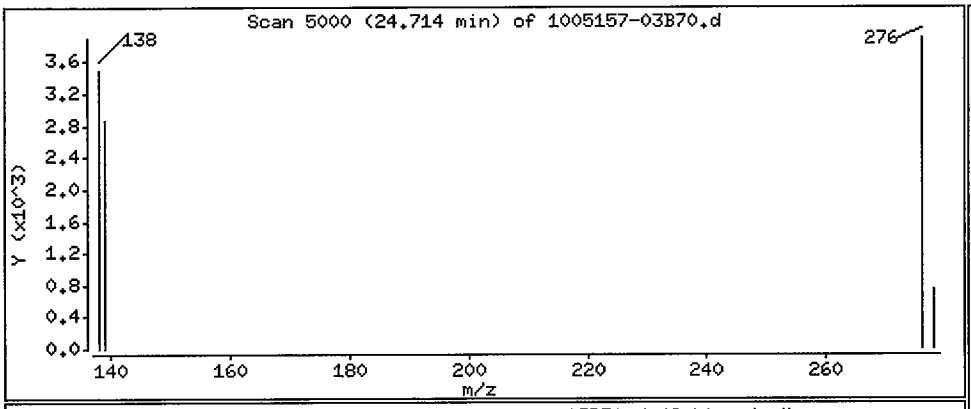
Client ID: SS51D-0-1 Instrument: 5972hp70.i

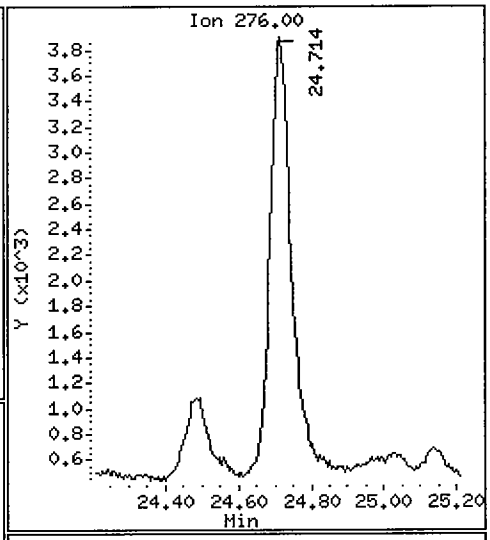
Sample Info: 1005157-03:TD

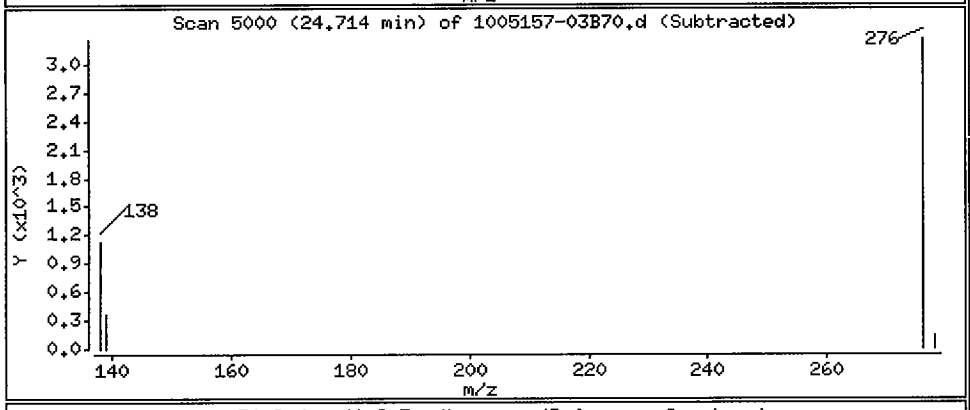
Volume Injected (uL): 2.0 Operator: TD

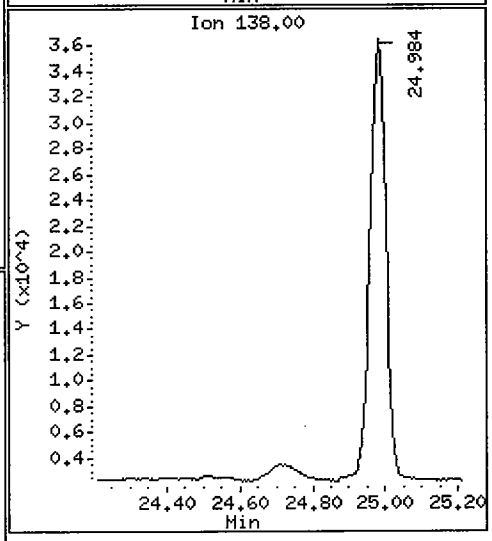
Column phase: Rtx-5MS Column diameter: 0.32

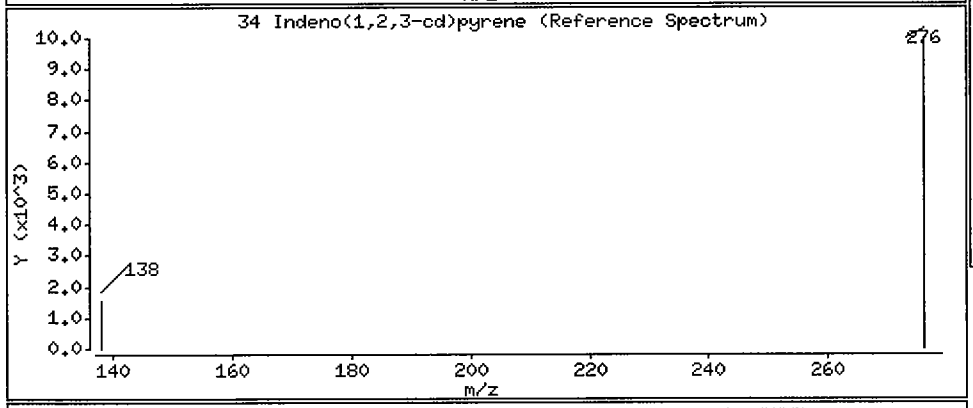
34 Indeno(1,2,3-cd)pyrene Concentration: 8.5 ug/Kg

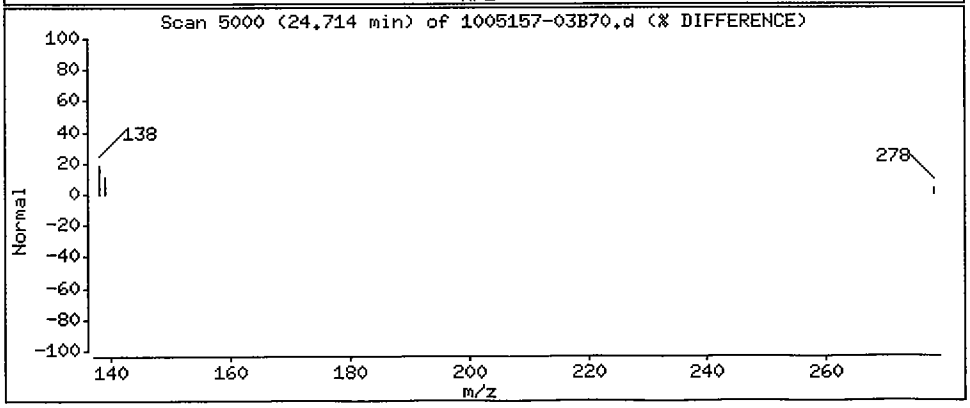












Data File: /chem/5972hp70.i/DS100701B70.b/1005157-03B70.d

Date : 02-JUL-2010 07:54

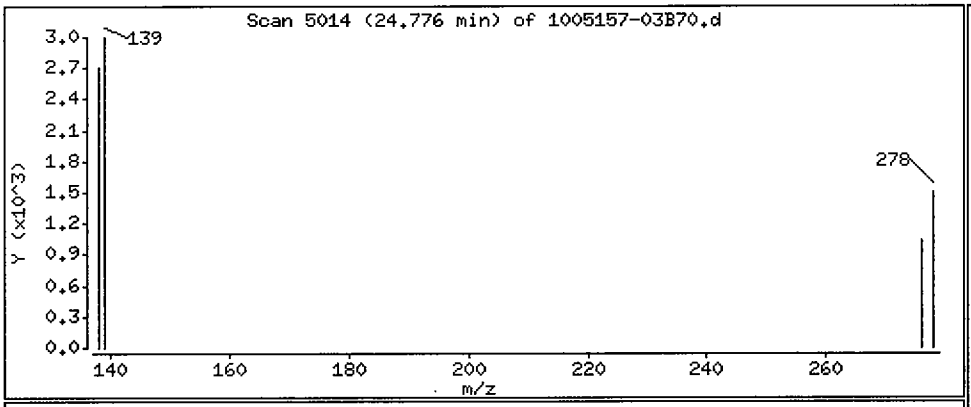
Client ID: SS51D-0-1 Instrument: 5972hp70.i

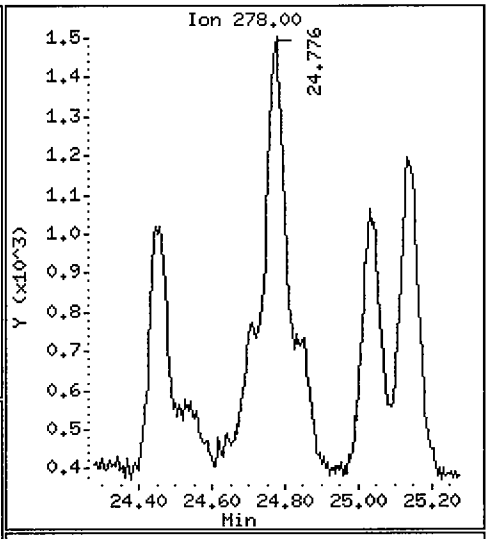
Sample Info: 1005157-03:TD

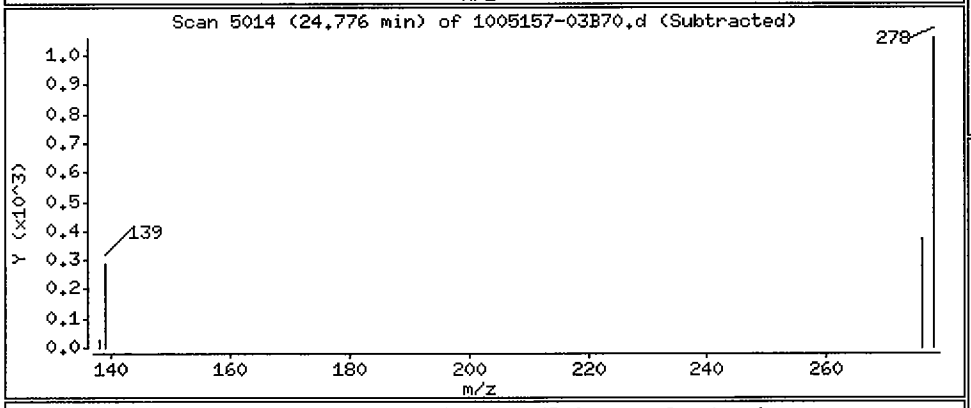
Volume Injected (uL): 2.0 Operator: TD

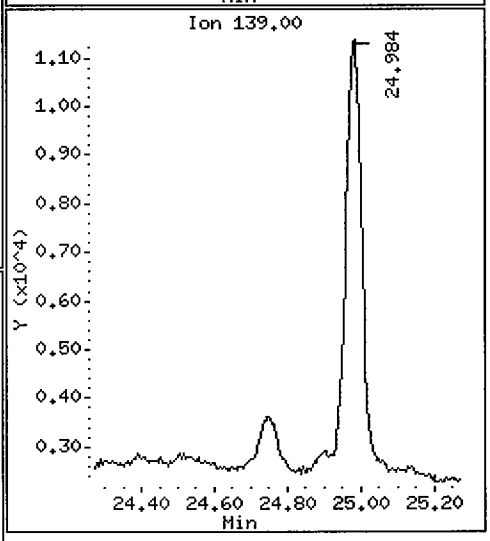
Column phase: Rtx-5MS Column diameter: 0.32

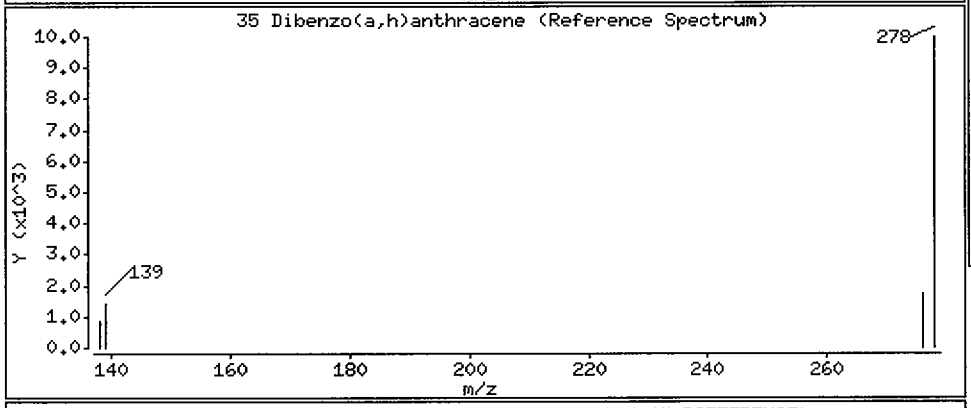
35 Dibenzo(a,h)anthracene Concentration: 1.9 ug/Kg

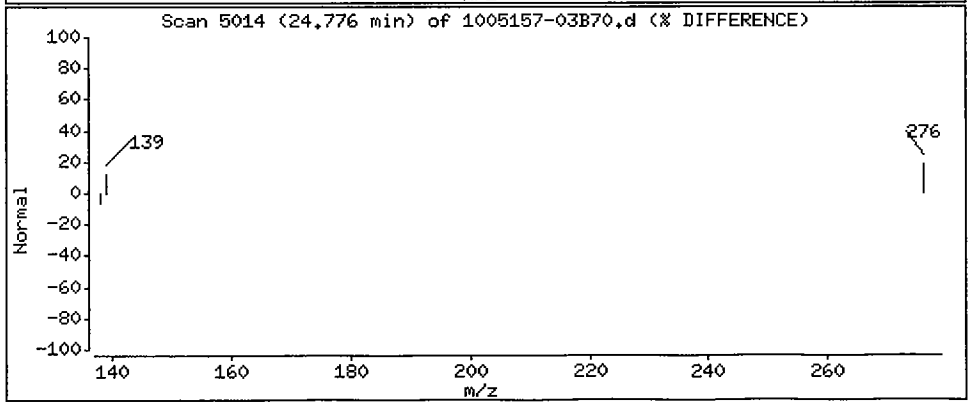












Data File: /chem/5972hp70.i/DS100701B70.b/1005157-03B70.d

Date : 02-JUL-2010 07:54

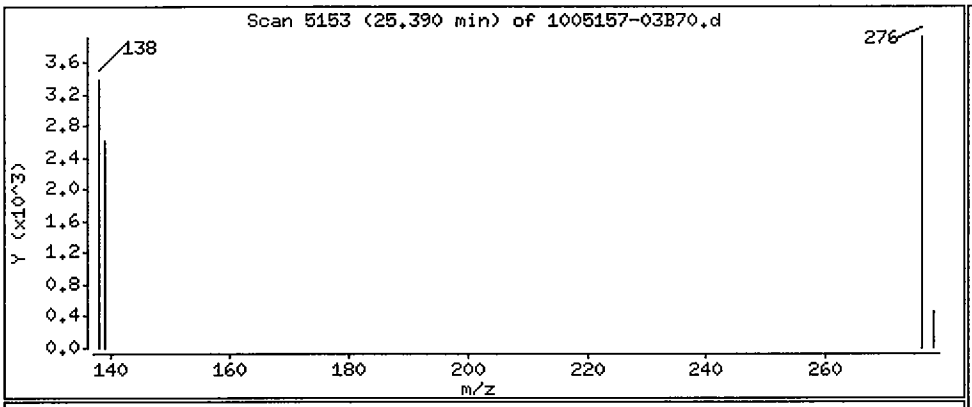
Client ID: SS51D-0-1 Instrument: 5972hp70.i

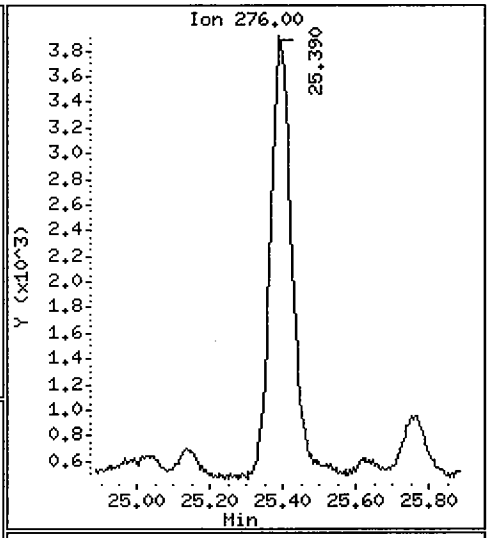
Sample Info: 1005157-03:TD

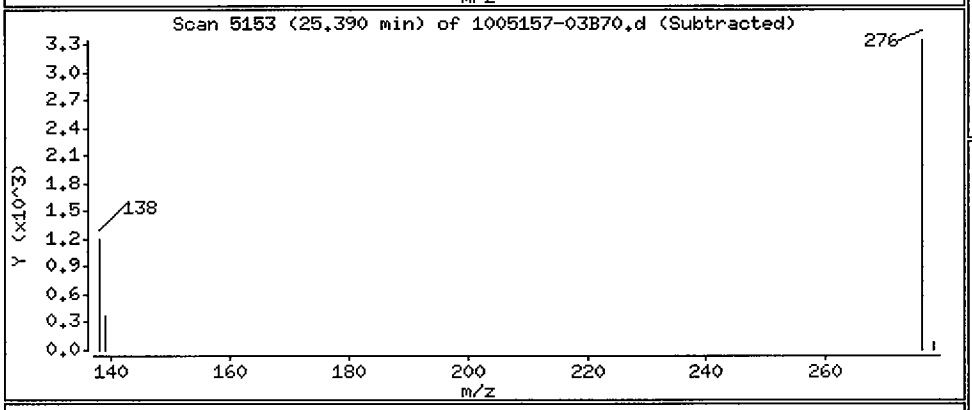
Volume Injected (uL): 2.0 Operator: TD

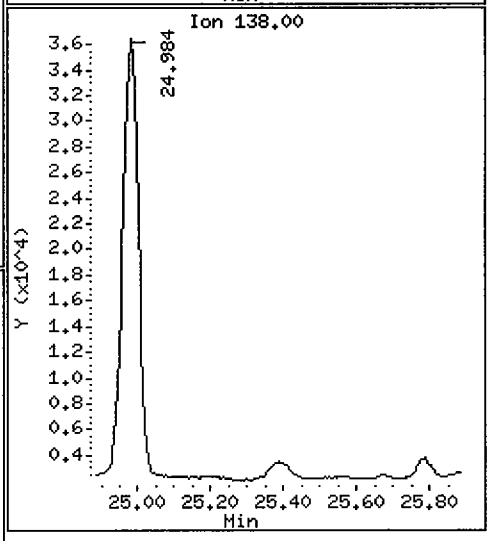
Column phase: Rtx-5MS Column diameter: 0.32

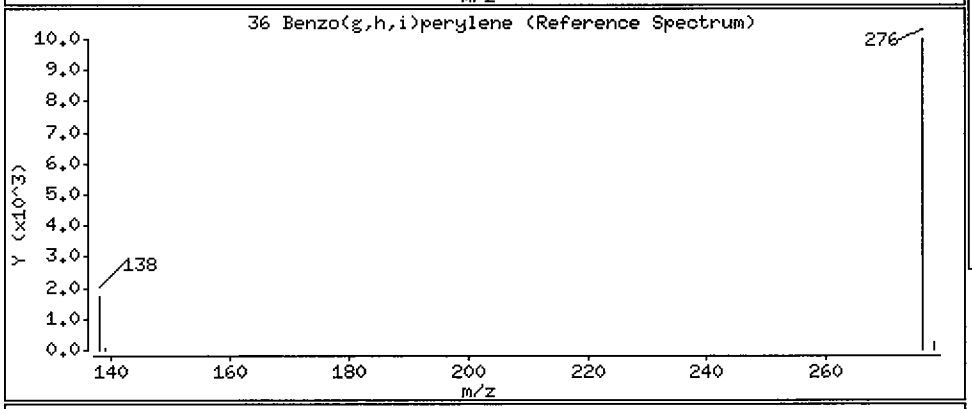
36 Benzo(g,h,i)perylene Concentration: 3.8 ug/Kg

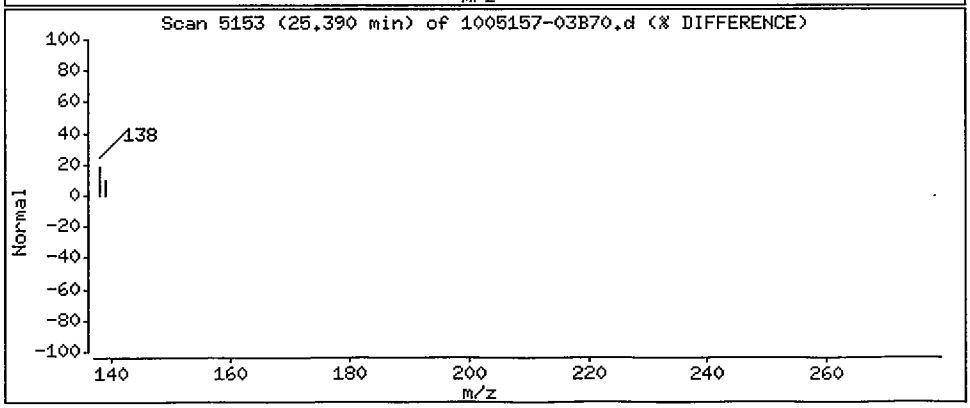












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SS64-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005157-12
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005157-12A70
Analyst: OWS

% Moisture: 9 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

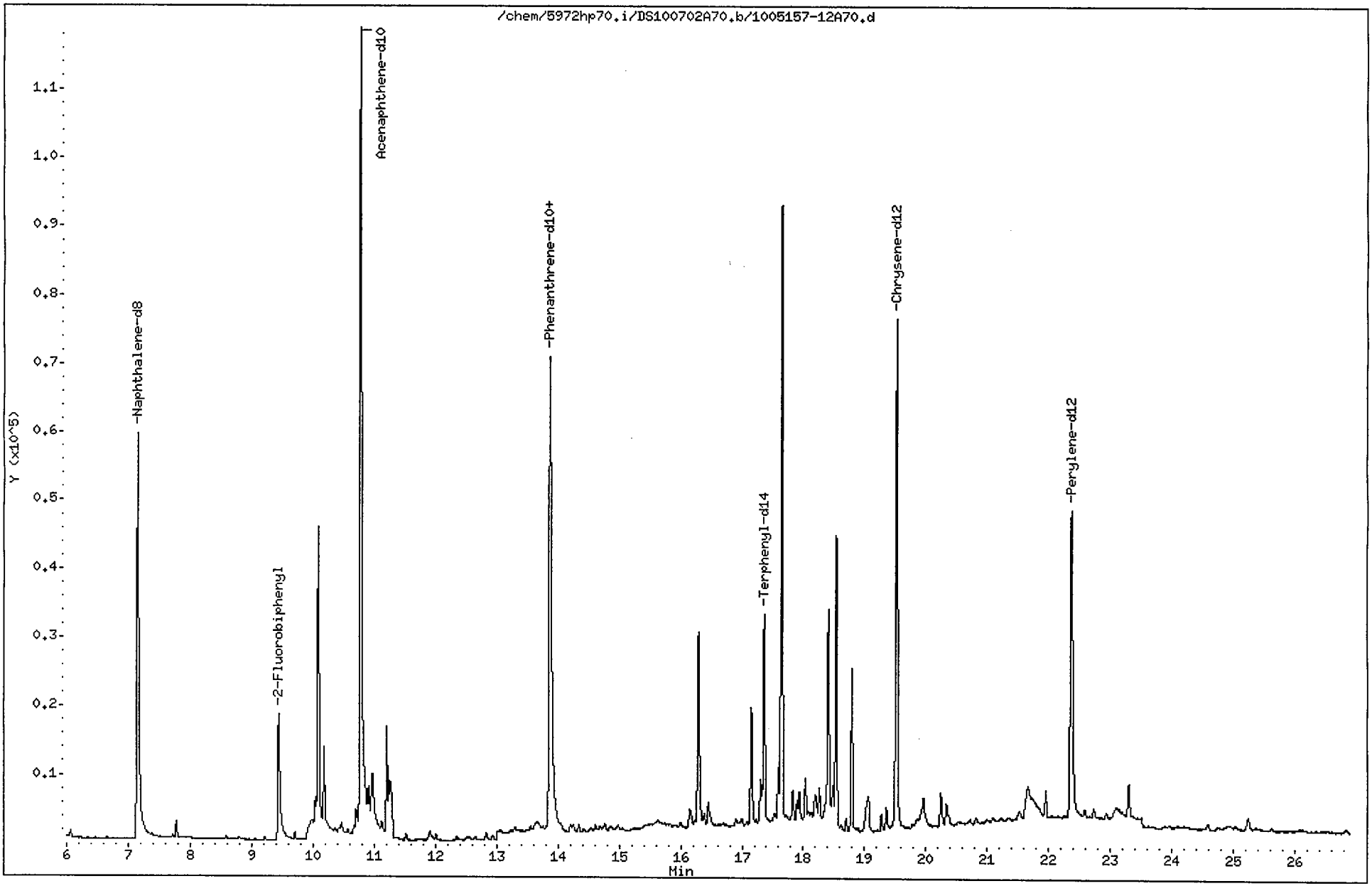
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.79	9.1	ND	U
91-57-6	2-Methylnaphthalene	0.75	9.1	ND	U
208-96-8	Acenaphthylene	0.59	9.1	ND	U
83-32-9	Acenaphthene	0.66	9.1	ND	U
86-73-7	Fluorene	0.49	9.1	ND	U
85-01-8	Phenanthrene	1.4	9.1	2.0	J
120-12-7	Anthracene	0.48	9.1	ND	U
206-44-0	Fluoranthene	1.5	9.1	ND	U
129-00-0	Pyrene	0.62	9.1	ND	U
56-55-3	Benzo(a)anthracene	0.62	9.1	ND	U
218-01-9	Chrysene	0.70	9.1	ND	U
205-99-2	Benzo(b)fluoranthene	0.62	9.1	0.81	JX
207-08-9	Benzo(k)fluoranthene	0.48	9.1	0.66	JX
50-32-8	Benzo(a)pyrene	0.42	9.1	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.40	9.1	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.37	9.1	ND	U
191-24-2	Benzo(g,h,i)perylene	0.42	9.1	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100702A70.b/1005157-12A70.d
Date : 02-JUL-2010 14:03
Client ID: SS64-0-1
Sample Info: 1005157-12:MW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100702A70.b/1005157-12A70.d
Report Date: 06-Jul-2010 16:54

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100702A70.b/1005157-12A70.d
Lab Smp Id: 1005157-12 Client Smp ID: SS64-0-1
Inj Date : 02-JUL-2010 14:03
Operator : OWS Inst ID: 5972hp70.i
Smp Info : 1005157-12:MW
Misc Info : SS64-0-1
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100702A70.b/SIM_8270Cv3DOD.m
Meth Date : 06-Jul-2010 16:42 mead Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	9.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
*	1 1,4-Dichlorobenzene-d4	152	4.850	4.836	(1.000)	32593	2.00000		
*	2 Naphthalene-d8	136	7.153	7.153	(1.000)	125715	2.00000		
*	3 Acenaphthene-d10	164	10.776	10.790	(1.000)	69050	2.00000		(M)
*	4 Phenanthrene-d10	188	13.873	13.885	(1.000)	151592	2.00000		
*	5 Chrysene-d12	240	19.520	19.516	(1.000)	110994	2.00000		
*	6 Perylene-d12	264	22.363	22.366	(1.000)	99545	2.00000		
$	9 Nitrobenzene-d5	82	5.878	5.881	(0.822)	26813	0.65909	12	
$	10 2-Fluorobiphenyl	172	9.445	9.468	(1.000)	37134	0.78032	14	
$	12 Terphenyl-d14	244	17.361	17.371	(0.889)	41491	1.05016	19	
	13 Naphthalene	128	Compound Not Detected.						
	15 2-Methylnaphthalene	141	Compound Not Detected.						
	17 Acenaphthylene	152	Compound Not Detected.						
	18 Acenaphthene	154	Compound Not Detected.						

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pm 7/6/10

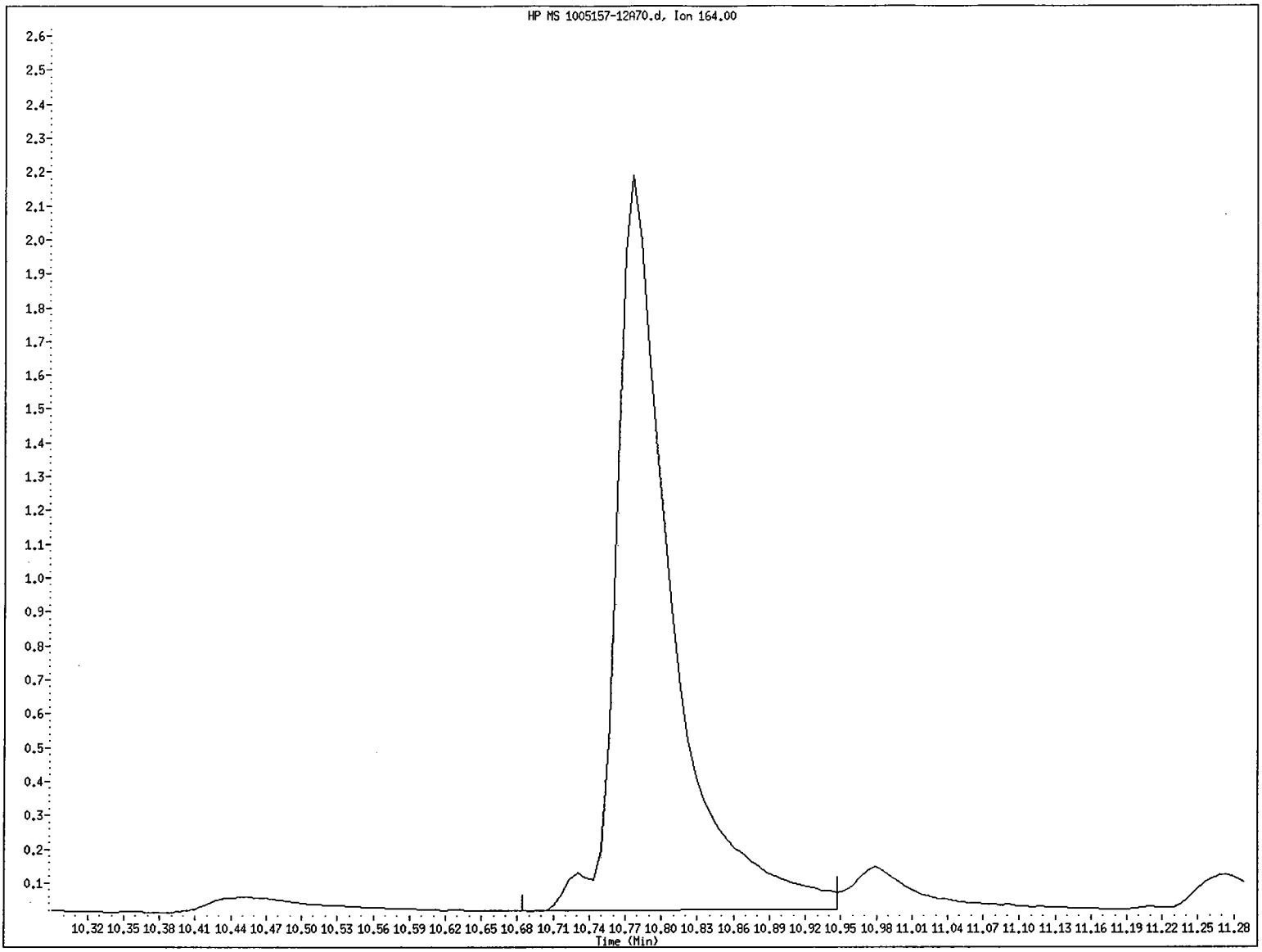
Data File: /chem/5972hp70.i/DS100702A70.b/1005157-12A70.d
Report Date: 06-Jul-2010 16:54

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	13.917	13.929	(1.003)	8817	0.10656	2.0(a)
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	21.661	21.638	(0.969)	2590	0.04446	0.81(a)
32 Benzo(k)fluoranthene	252	21.661	21.682	(0.969)	2590	0.03595	0.66(a)
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Acenaphthene-d10 CAS Number 15067-26-2 Area = 69050 Manually integrated



File name: /chem/5972hp70.i/DS100702A70.b/1005157-12A70.d
Client ID: SS64-0-1
Instrument ID: 5972hp70.i
Injection Date and Time: 02-JUL-2010 14:03
Retention Time: 10.78
Operator ID: OWS

Data File: /chem/5972hp70.i/DS100702A70.b/1005157-12A70.d

Date : 02-JUL-2010 14:03

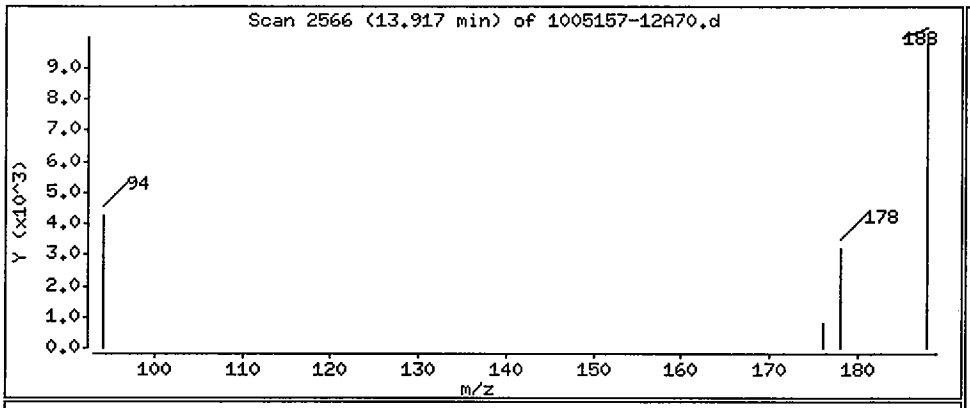
Client ID: SS64-0-1 Instrument: 5972hp70.i

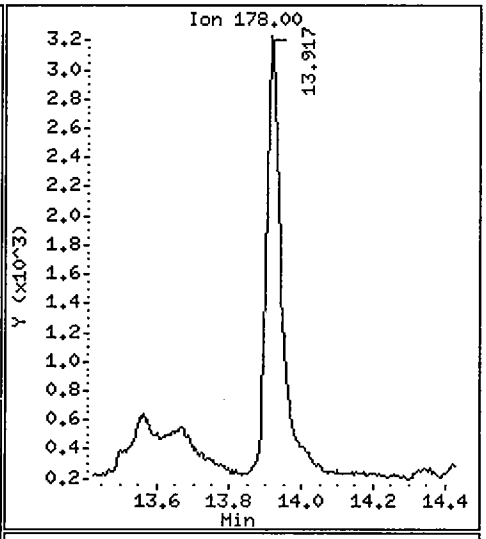
Sample Info: 1005157-12:MW

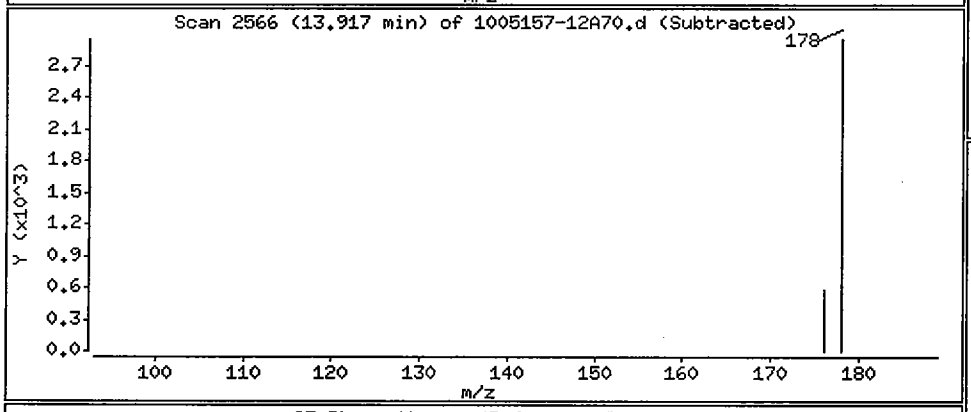
Volume Injected (uL): 2.0 Operator: OWS

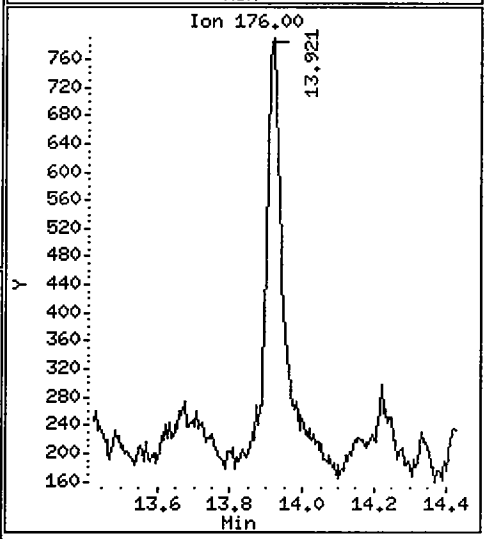
Column phase: Rtx-5MS Column diameter: 0.32

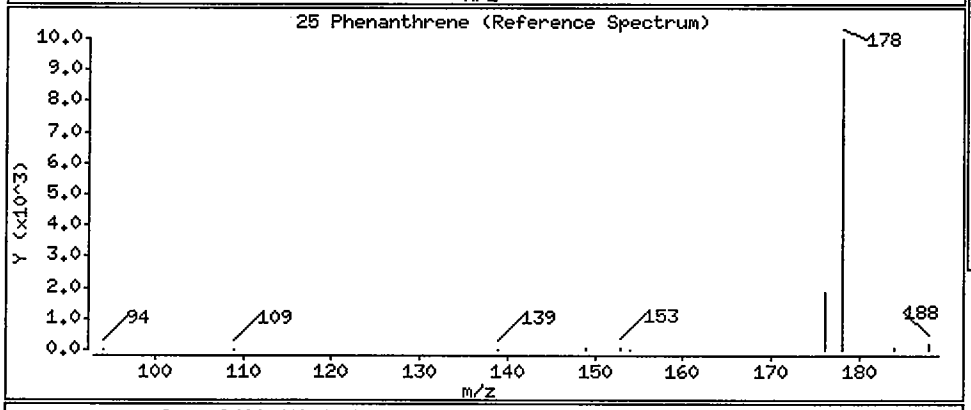
25 Phenanthrene Concentration: 2.0 ug/Kg

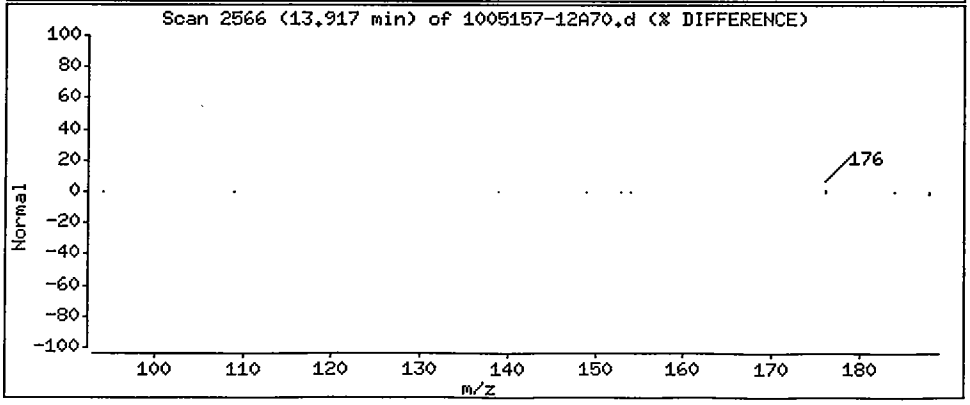












Data File: /chem/5972hp70.i/DS100702A70.b/1005157-12A70.d

Date : 02-JUL-2010 14:03

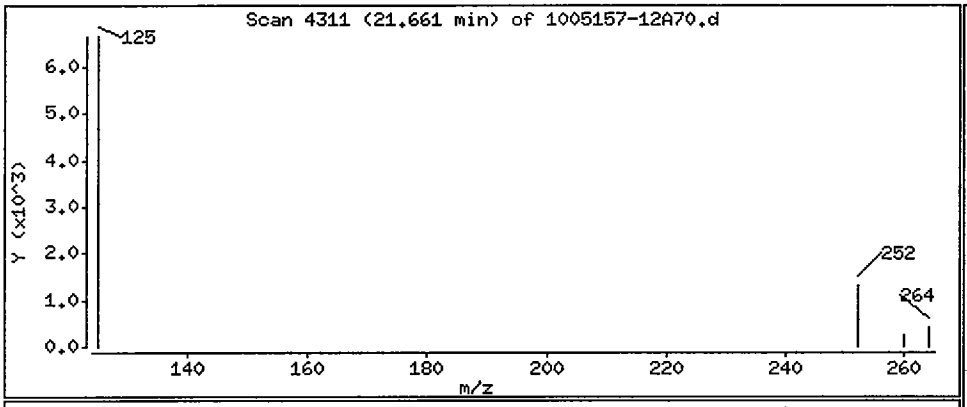
Client ID: SS64-0-1 Instrument: 5972hp70.i

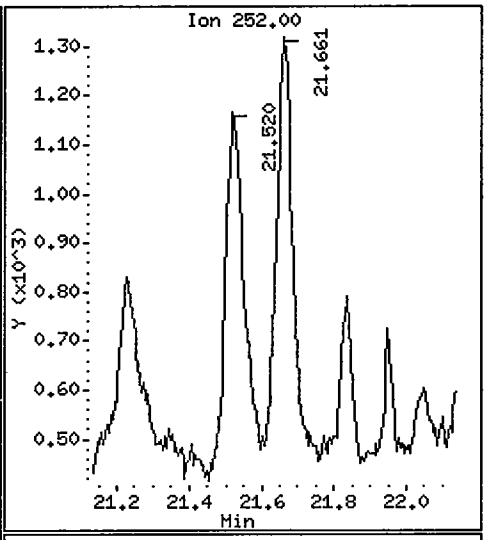
Sample Info: 1005157-12:MW

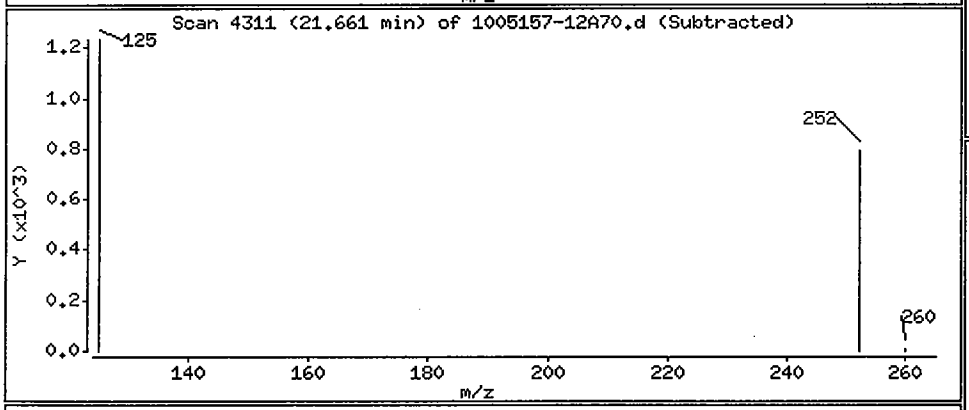
Volume Injected (uL): 2.0 Operator: OWS

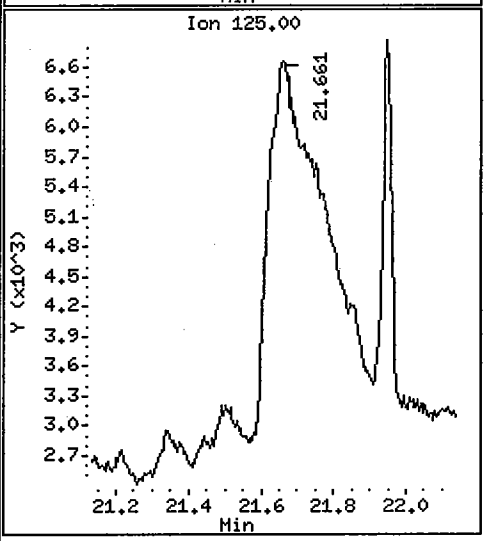
Column phase: Rtx-5MS Column diameter: 0.32

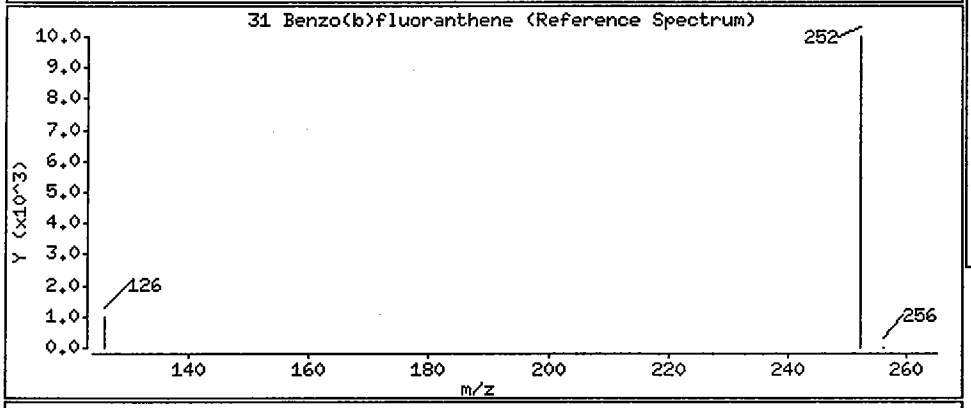
31 Benzo(b)fluoranthene Concentration: 0.81 ug/Kg

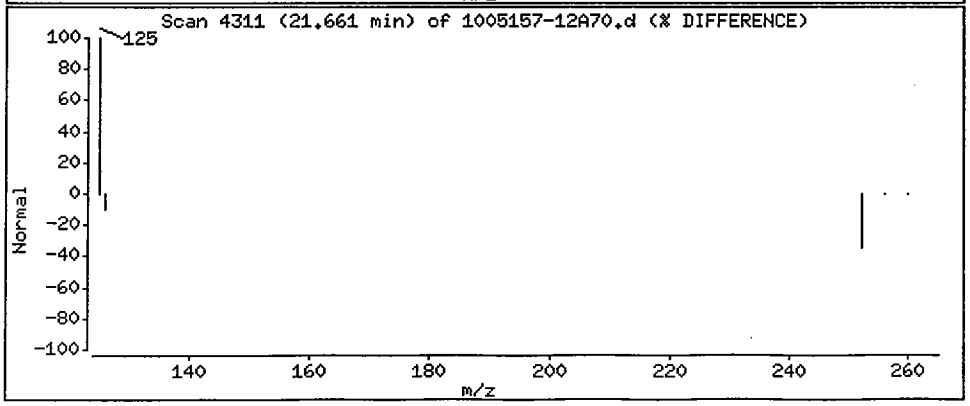












Data File: /chem/5972hp70.i/DS100702A70.b/1005157-12A70.d

Date : 02-JUL-2010 14:03

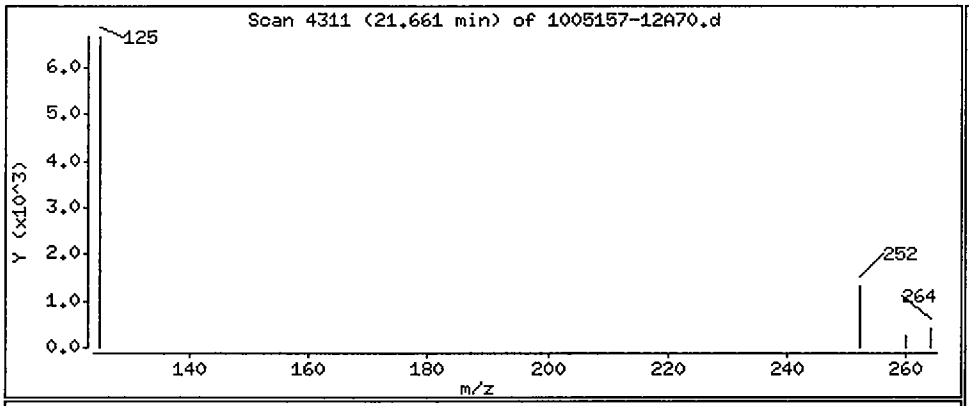
Client ID: SS64-0-1 Instrument: 5972hp70.i

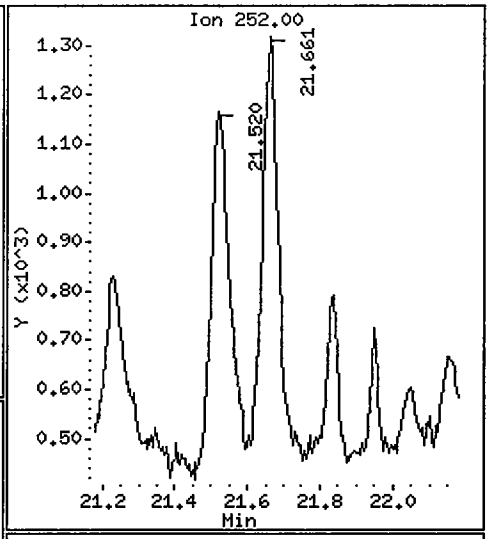
Sample Info: 1005157-12:MW

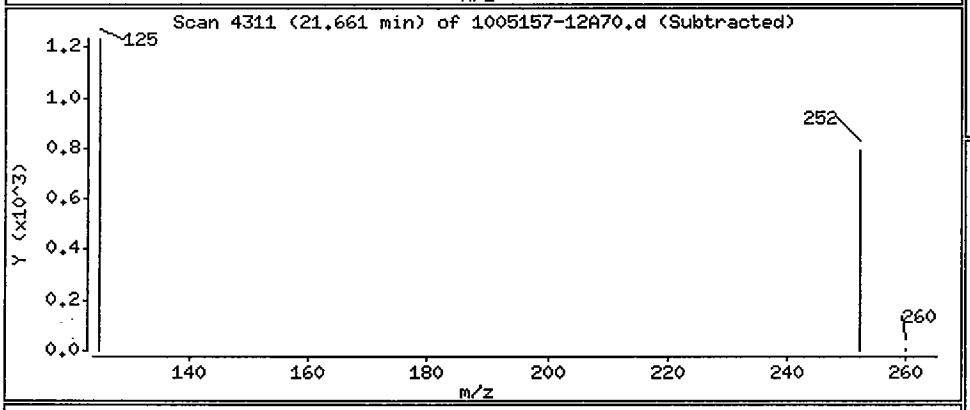
Volume Injected (uL): 2.0 Operator: OWS

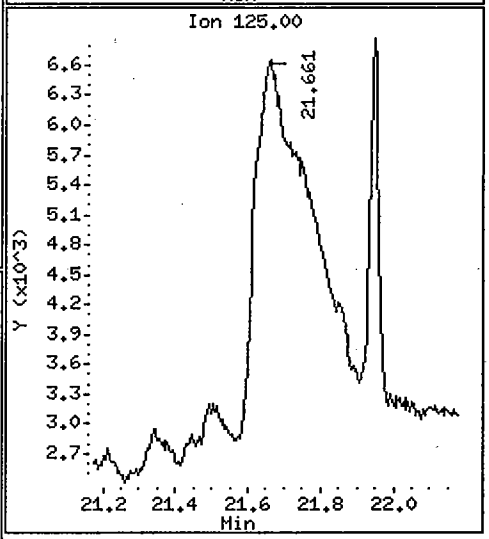
Column phase: Rtx-5MS Column diameter: 0.32

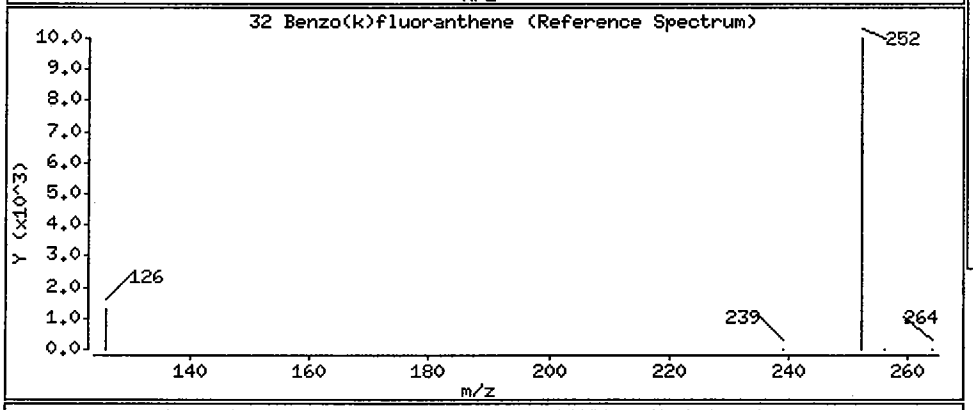
32 Benzo(k)fluoranthene Concentration: 0.66 ug/Kg

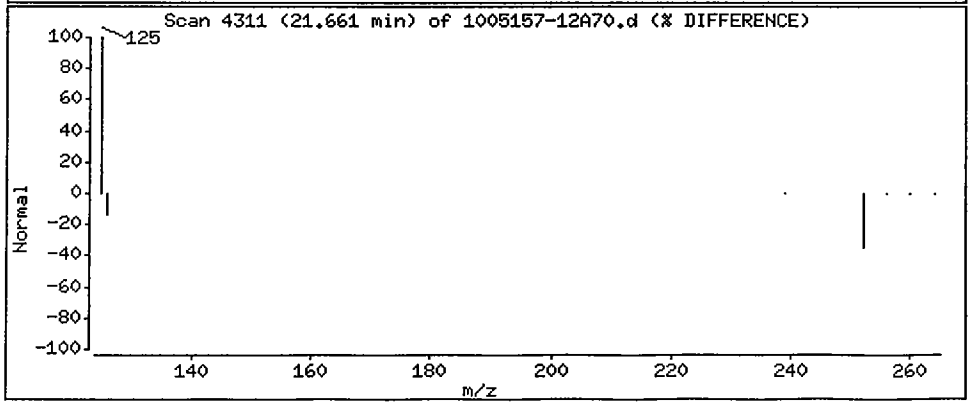












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SS65-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005157-14
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005157-14A70
Analyst: OWS

% Moisture: 14 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

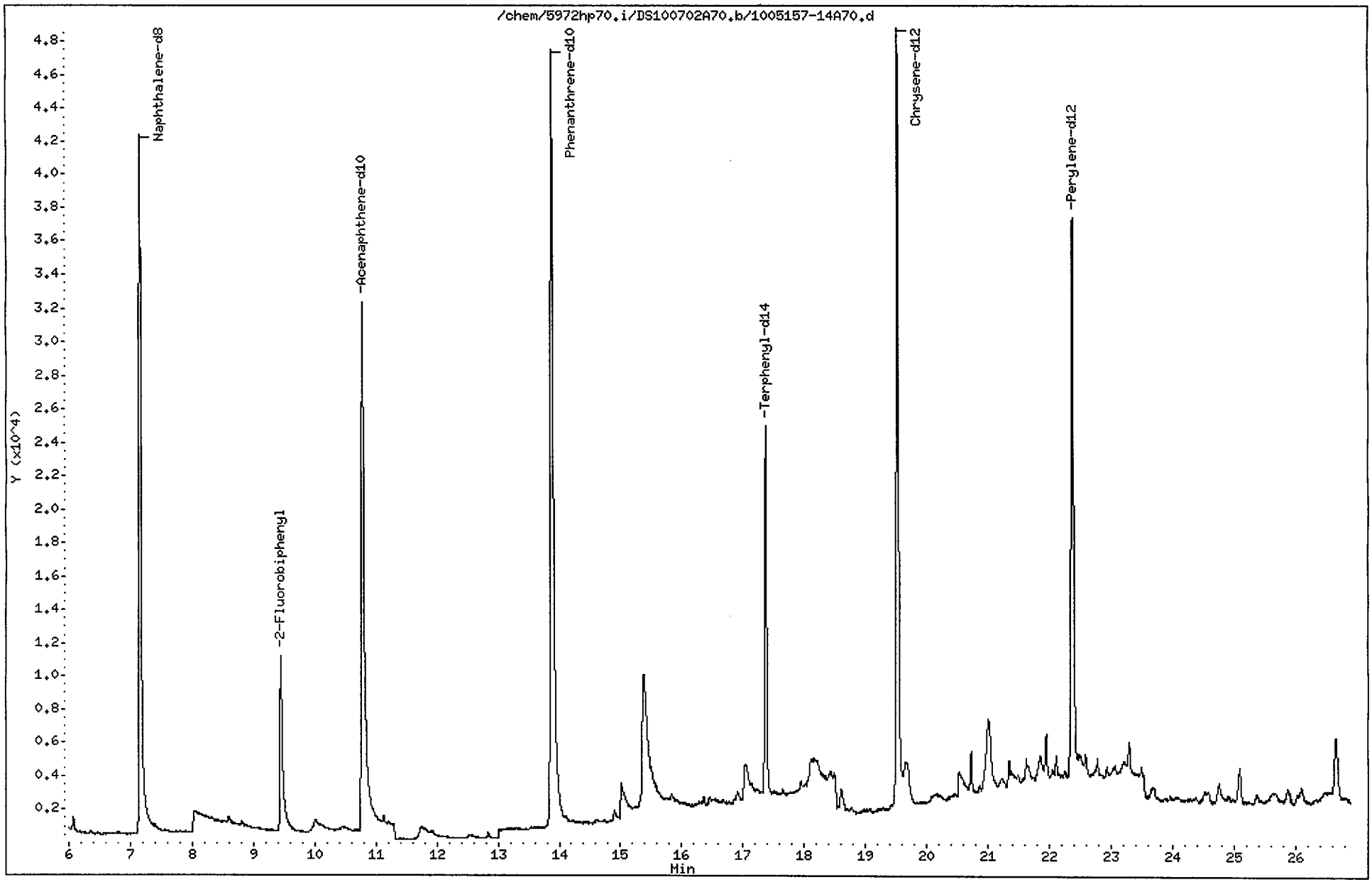
Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.83	9.7	ND	U
91-57-6	2-Methylnaphthalene	0.79	9.7	ND	U
208-96-8	Acenaphthylene	0.62	9.7	ND	U
83-32-9	Acenaphthene	0.70	9.7	ND	U
86-73-7	Fluorene	0.52	9.7	ND	U
85-01-8	Phenanthrene	1.5	9.7	ND	U
120-12-7	Anthracene	0.50	9.7	ND	U
206-44-0	Fluoranthene	1.6	9.7	ND	U
129-00-0	Pyrene	0.66	9.7	ND	U
56-55-3	Benzo(a)anthracene	0.66	9.7	ND	U
218-01-9	Chrysene	0.74	9.7	ND	U
205-99-2	Benzo(b)fluoranthene	0.66	9.7	ND	U
207-08-9	Benzo(k)fluoranthene	0.50	9.7	ND	U
50-32-8	Benzo(a)pyrene	0.45	9.7	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.43	9.7	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.39	9.7	ND	U
191-24-2	Benzo(g,h,i)perylene	0.45	9.7	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp70.i/DS100702A70.b/1005157-14A70.d
Date : 02-JUL-2010 15:14
Client ID: SS65-0-1
Sample Info: 1005157-14:MW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100702A70.b/1005157-14A70.d
Report Date: 06-Jul-2010 16:54

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100702A70.b/1005157-14A70.d
Lab Smp Id: 1005157-14 Client Smp ID: SS65-0-1
Inj Date : 02-JUL-2010 15:14
Operator : OWS Inst ID: 5972hp70.i
Smp Info : 1005157-14:MW
Misc Info : SS65-0-1
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100702A70.b/SIM_8270Cv3DOD.m
Meth Date : 06-Jul-2010 16:42 mead Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	14.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	4.860	4.836	(1.000)	24156	2.00000	
* 2 Naphthalene-d8	136	7.161	7.153	(1.000)	91023	2.00000	
* 3 Acenaphthene-d10	164	10.783	10.790	(1.000)	54800	2.00000	
* 4 Phenanthrene-d10	188	13.881	13.885	(1.000)	115062	2.00000	
* 5 Chrysene-d12	240	19.516	19.516	(1.000)	88330	2.00000	
* 6 Perylene-d12	264	22.371	22.366	(1.000)	77829	2.00000	
$ 9 Nitrobenzene-d5	82	5.892	5.881	(0.823)	17834	0.60546	12
$ 10 2-Fluorobiphenyl	172	9.451	9.468	(0.876)	25610	0.67810	13
$ 12 Terphenyl-d14	244	17.367	17.371	(0.890)	35032	1.11419	22
13 Naphthalene	128	Compound Not Detected.					
15 2-Methylnaphthalene	141	Compound Not Detected.					
17 Acenaphthylene	152	Compound Not Detected.					
18 Acenaphthene	154	Compound Not Detected.					

pm 7/6/10

Data File: /chem/5972hp70.i/DS100702A70.b/1005157-14A70.d
Report Date: 06-Jul-2010 16:54

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SS66-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005157-13
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005157-13A70
Analyst: OWS

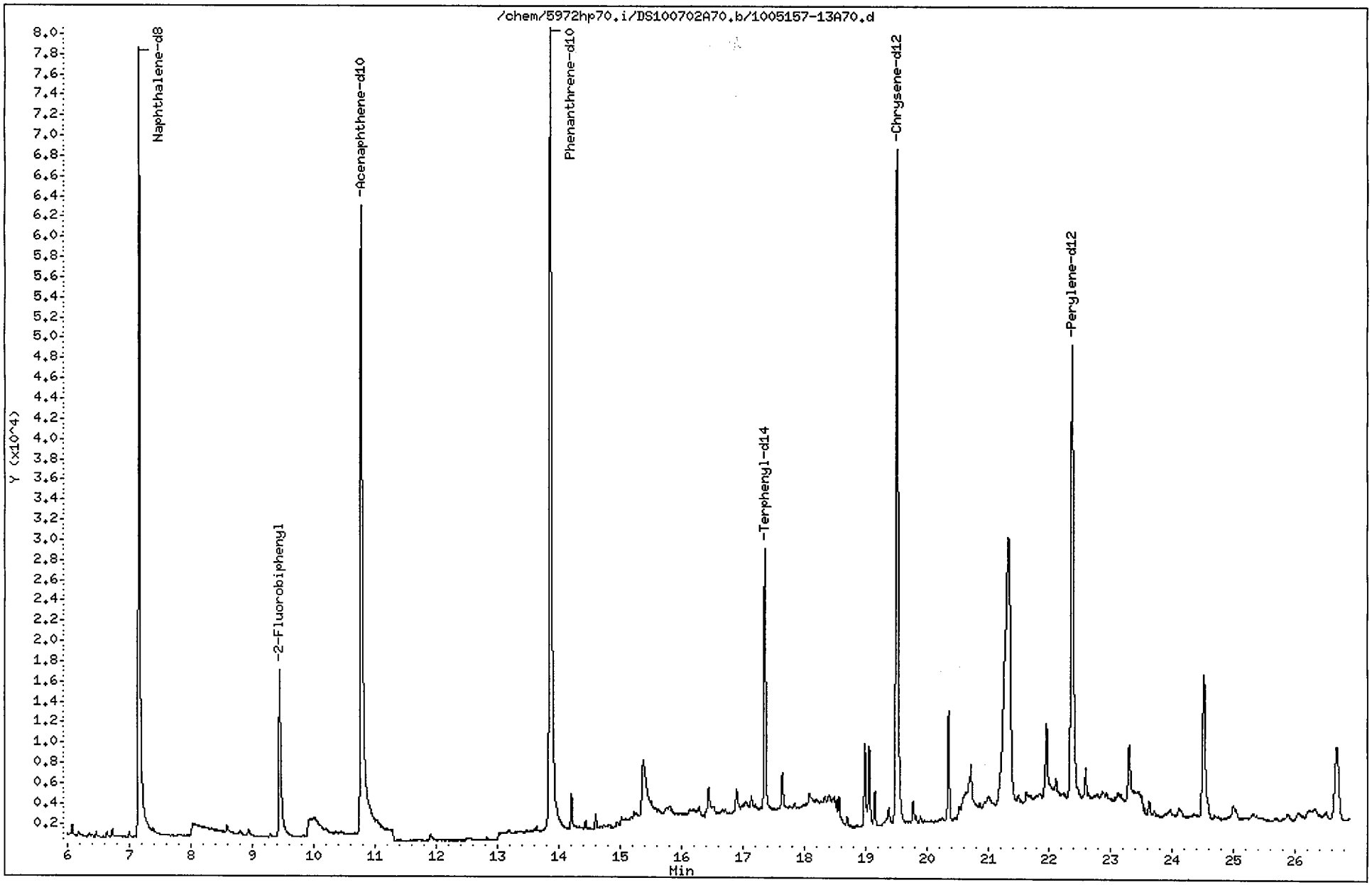
% Moisture: 50 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	1.4	17	ND	U
91-57-6	2-Methylnaphthalene	1.4	17	ND	U
208-96-8	Acenaphthylene	1.1	17	ND	U
83-32-9	Acenaphthene	1.2	17	ND	U
86-73-7	Fluorene	0.90	17	ND	U
85-01-8	Phenanthrene	2.6	17	ND	U
120-12-7	Anthracene	0.87	17	ND	U
206-44-0	Fluoranthene	2.7	17	ND	U
129-00-0	Pyrene	1.1	17	ND	U
56-55-3	Benzo(a)anthracene	1.1	17	ND	U
218-01-9	Chrysene	1.3	17	ND	U
205-99-2	Benzo(b)fluoranthene	1.1	17	ND	U
207-08-9	Benzo(k)fluoranthene	0.87	17	ND	U
50-32-8	Benzo(a)pyrene	0.77	17	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.73	17	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.67	17	ND	U
191-24-2	Benzo(g,h,i)perylene	0.77	17	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp70.i/DS100702A70.b/1005157-13A70.d
Date : 02-JUL-2010 14:39
Client ID: SS66-0-1
Instrument: 5972hp70.i
Sample Info: 1005157-13:MW
Volume Injected (uL): 2.0
Operator: OWS
Column phase: Rtx-5MS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100702A70.b/1005157-13A70.d
Report Date: 06-Jul-2010 16:54

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100702A70.b/1005157-13A70.d
Lab Smp Id: 1005157-13 Client Smp ID: SS66-0-1
Inj Date : 02-JUL-2010 14:39
Operator : OWS Inst ID: 5972hp70.i
Smp Info : 1005157-13:MW
Misc Info : SS66-0-1
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100702A70.b/SIM_8270Cv3DOD.m
Meth Date : 06-Jul-2010 16:42 mead Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	50.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	4.864	4.836	(1.000)	38974	2.00000	
* 2 Naphthalene-d8	136	7.162	7.153	(1.000)	146492	2.00000	
* 3 Acenaphthene-d10	164	10.776	10.790	(1.000)	84016	2.00000	
* 4 Phenanthrene-d10	188	13.873	13.885	(1.000)	161087	2.00000	
* 5 Chrysene-d12	240	19.511	19.516	(1.000)	115254	2.00000	
* 6 Perylene-d12	264	22.367	22.366	(1.000)	101704	2.00000	
$ 9 Nitrobenzene-d5	82	5.896	5.881	(0.823)	23401	0.49363	16
$ 10 2-Fluorobiphenyl	172	9.446	9.468	(0.877)	32283	0.55754	19
$ 12 Terphenyl-d14	244	17.361	17.371	(0.890)	38923	0.94875	32
13 Naphthalene	128	Compound Not Detected.					
15 2-Methylnaphthalene	141	Compound Not Detected.					
17 Acenaphthylene	152	Compound Not Detected.					
18 Acenaphthene	154	Compound Not Detected.					

pwr 7/6/10

Data File: /chem/5972hp70.i/DS100702A70.b/1005157-13A70.d
Report Date: 06-Jul-2010 16:54

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SS69-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005157-08
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005157-08A70
Analyst: OWS

% Moisture: 14 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

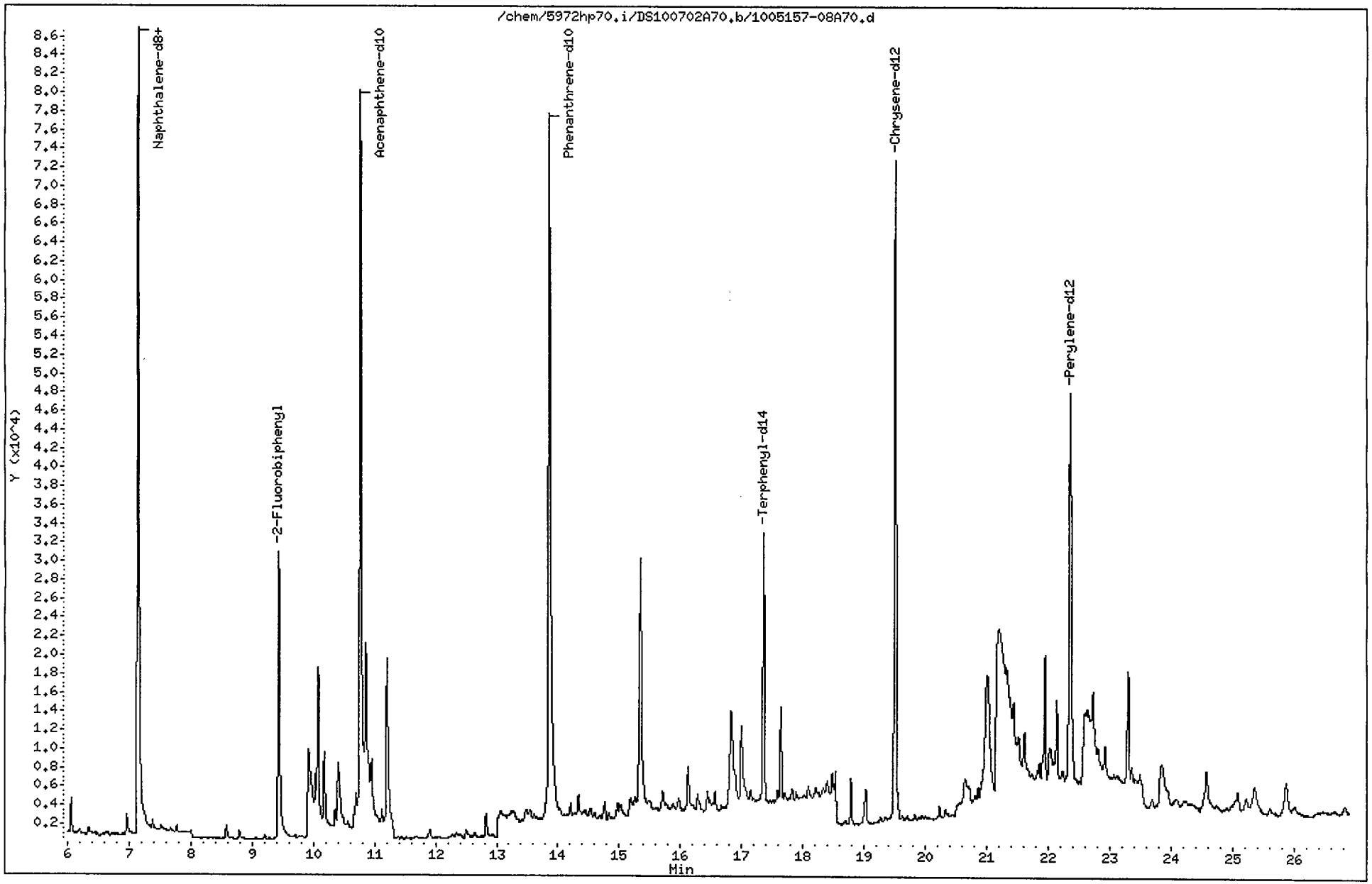
Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.83	9.7	1.1	J
91-57-6	2-Methylnaphthalene	0.79	9.7	ND	U
208-96-8	Acenaphthylene	0.62	9.7	ND	U
83-32-9	Acenaphthene	0.70	9.7	ND	U
86-73-7	Fluorene	0.52	9.7	ND	U
85-01-8	Phenanthrene	1.5	9.7	ND	U
120-12-7	Anthracene	0.50	9.7	ND	U
206-44-0	Fluoranthene	1.6	9.7	ND	U
129-00-0	Pyrene	0.66	9.7	ND	U
56-55-3	Benzo(a)anthracene	0.66	9.7	ND	U
218-01-9	Chrysene	0.74	9.7	ND	U
205-99-2	Benzo(b)fluoranthene	0.66	9.7	ND	U
207-08-9	Benzo(k)fluoranthene	0.50	9.7	ND	U
50-32-8	Benzo(a)pyrene	0.45	9.7	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.43	9.7	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.39	9.7	ND	U
191-24-2	Benzo(g,h,i)perylene	0.45	9.7	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp70.i/DS100702A70.b/1005157-08A70.d
Date : 02-JUL-2010 11:41
Client ID: SS69-0-1
Sample Info: 1005157-08:MW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100702A70.b/1005157-08A70.d
Report Date: 06-Jul-2010 16:54

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100702A70.b/1005157-08A70.d
Lab Smp Id: 1005157-08 Client Smp ID: SS69-0-1
Inj Date : 02-JUL-2010 11:41
Operator : OWS Inst ID: 5972hp70.i
Smp Info : 1005157-08:MW
Misc Info : SS69-0-1
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100702A70.b/SIM_8270Cv3DOD.m
Meth Date : 06-Jul-2010 16:42 mead Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	14.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 1	1,4-Dichlorobenzene-d4	152	4.846	4.836	(1.000)	37698	2.00000	
* 2	Naphthalene-d8	136	7.146	7.153	(1.000)	148213	2.00000	
* 3	Acenaphthene-d10	164	10.769	10.790	(1.000)	83681	2.00000	
* 4	Phenanthrene-d10	188	13.863	13.885	(1.000)	156329	2.00000	
* 5	Chrysene-d12	240	19.506	19.516	(1.000)	106762	2.00000	
* 6	Perylene-d12	264	22.358	22.366	(1.000)	85827	2.00000	
$ 9	Nitrobenzene-d5	82	5.874	5.881	(0.822)	34118	0.71135	14
$ 10	2-Fluorobiphenyl	172	9.436	9.468	(0.876)	47150	0.81756	16
$ 12	Terphenyl-d14	244	17.355	17.371	(0.890)	40234	1.05872	21
13	Naphthalene	128	7.177	7.192	(1.004)	5498	0.05809	1.1(a)
15	2-Methylnaphthalene	141	Compound Not Detected.					
17	Acenaphthylene	152	Compound Not Detected.					
18	Acenaphthene	154	Compound Not Detected.					

RM 7/6/10

Data File: /chem/5972hp70.i/DS100702A70.b/1005157-08A70.d
Report Date: 06-Jul-2010 16:54

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /chem/5972hp70.i/DS100702A70.b/1005157-08A70.d

Date : 02-JUL-2010 11:41

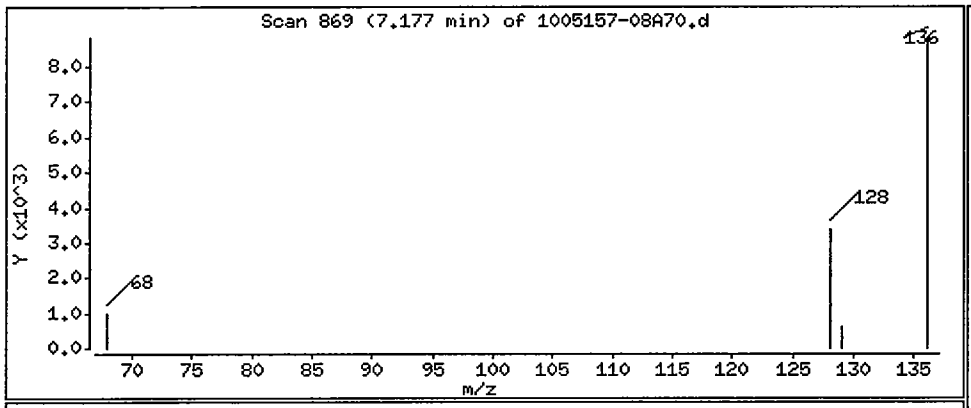
Client ID: SS69-0-1 Instrument: 5972hp70.i

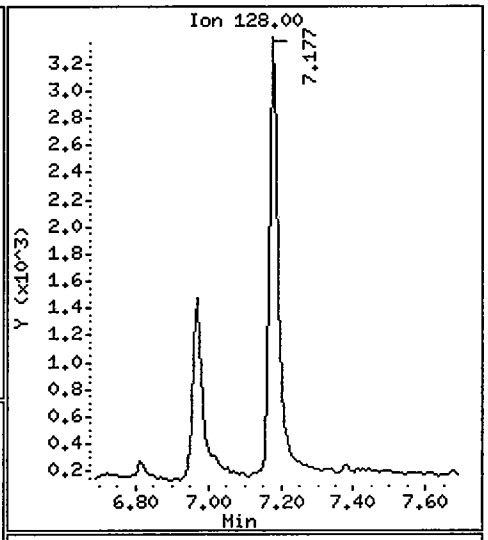
Sample Info: 1005157-08:MW

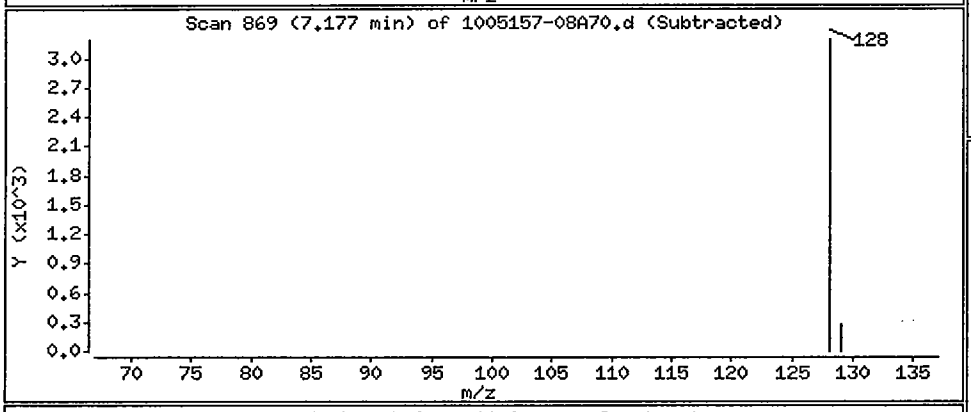
Volume Injected (uL): 2.0 Operator: OWS

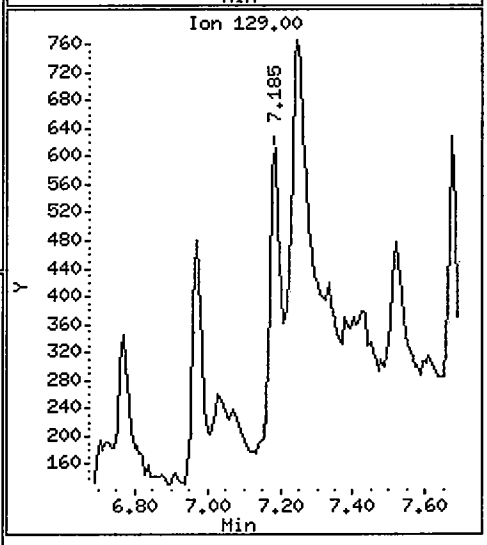
Column phase: Rtx-5MS Column diameter: 0.32

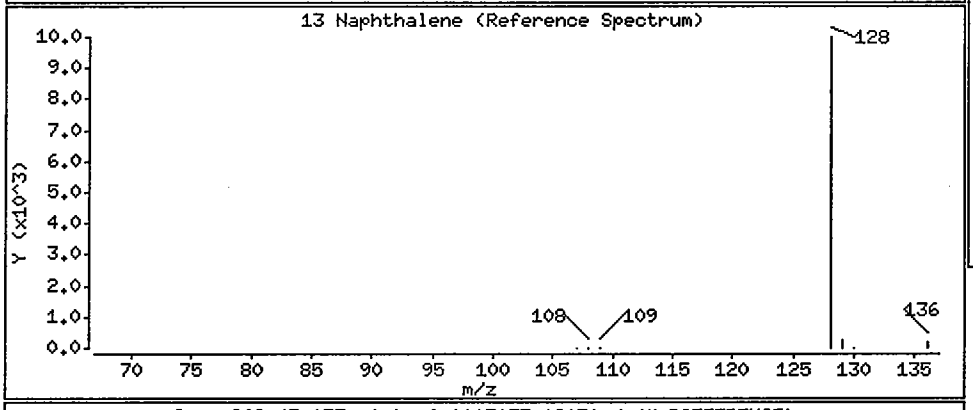
13 Naphthalene Concentration: 1.1 ug/Kg

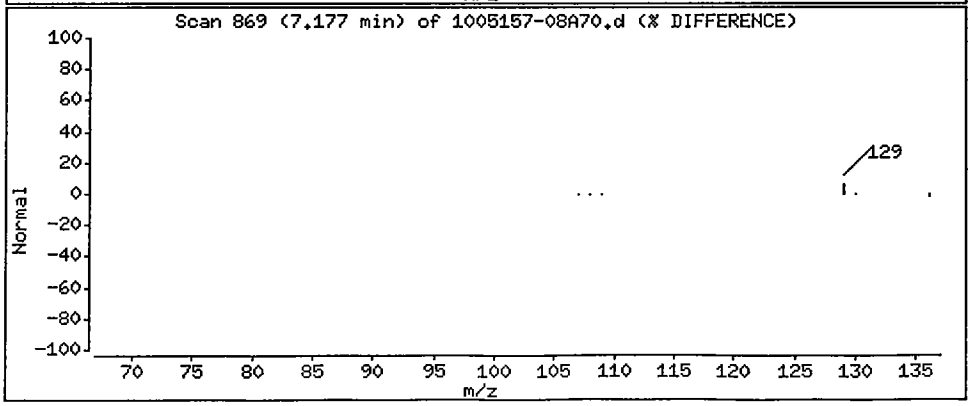












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SS70-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005157-06
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005157-06B70
Analyst: TD

% Moisture: 2 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

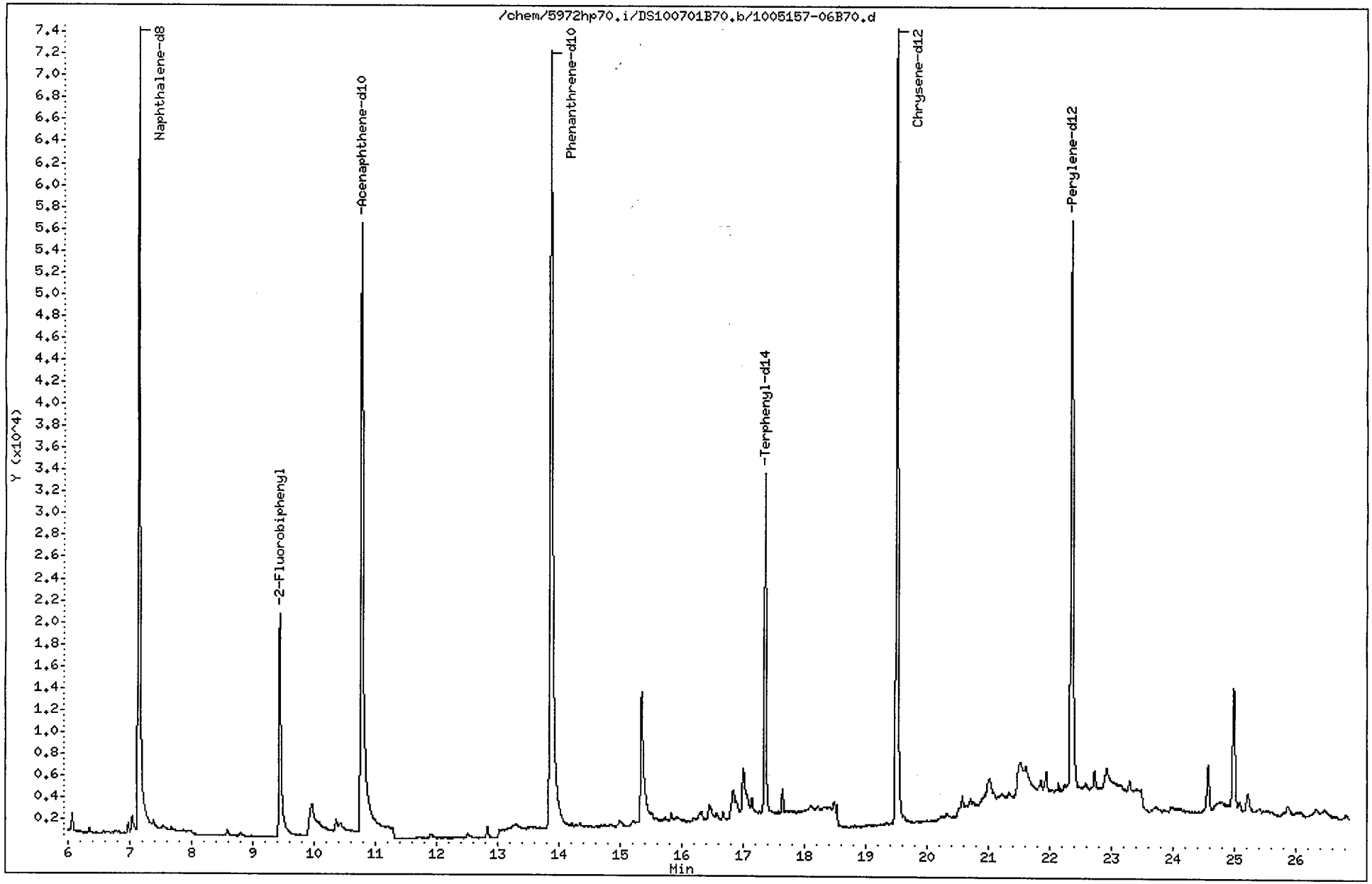
Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.73	8.5	ND	U
91-57-6	2-Methylnaphthalene	0.70	8.5	ND	U
208-96-8	Acenaphthylene	0.54	8.5	ND	U
83-32-9	Acenaphthene	0.61	8.5	ND	U
86-73-7	Fluorene	0.46	8.5	ND	U
85-01-8	Phenanthrene	1.3	8.5	ND	U
120-12-7	Anthracene	0.44	8.5	ND	U
206-44-0	Fluoranthene	1.4	8.5	ND	U
129-00-0	Pyrene	0.58	8.5	ND	U
56-55-3	Benzo(a)anthracene	0.58	8.5	ND	U
218-01-9	Chrysene	0.65	8.5	ND	U
205-99-2	Benzo(b)fluoranthene	0.58	8.5	ND	U
207-08-9	Benzo(k)fluoranthene	0.44	8.5	ND	U
50-32-8	Benzo(a)pyrene	0.39	8.5	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.5	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.34	8.5	ND	U
191-24-2	Benzo(g,h,i)perylene	0.39	8.5	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp70.i/DS100701B70.b/1005157-06B70.d
Date : 02-JUL-2010 09:40
Client ID: SS70-0-1
Sample Info: 1005157-06:TD
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: TD
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701B70.b/1005157-06B70.d
Report Date: 06-Jul-2010 16:23

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701B70.b/1005157-06B70.d
Lab Smp Id: 1005157-06 Client Smp ID: SS70-0-1
Inj Date : 02-JUL-2010 09:40
Operator : TD Inst ID: 5972hp70.i
Smp Info : 1005157-06:TD
Misc Info : SS70-0-1
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701B70.b/SIM_8270Cv3DOD.m
Meth Date : 06-Jul-2010 15:50 mead Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	2.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
*	1 1,4-Dichlorobenzene-d4	152	4.852	4.848	(1.000)	35348	2.00000	
*	2 Naphthalene-d8	136	7.145	7.162	(1.000)	137711	2.00000	
*	3 Acenaphthene-d10	164	10.777	10.784	(1.000)	80494	2.00000	
*	4 Phenanthrene-d10	188	13.867	13.872	(1.000)	163155	2.00000	
*	5 Chrysene-d12	240	19.503	19.499	(1.000)	125674	2.00000	
*	6 Perylene-d12	264	22.354	22.344	(1.000)	113999	2.00000	
$	9 Nitrobenzene-d5	82	5.875	5.880	(0.822)	29665	0.66567	11
$	10 2-Fluorobiphenyl	172	9.437	9.460	(0.876)	39631	0.71439	12
$	12 Terphenyl-d14	244	17.358	17.362	(0.890)	45731	1.02228	17
	13 Naphthalene	128	Compound Not Detected.					
	15 2-Methylnaphthalene	141	Compound Not Detected.					
	17 Acenaphthylene	152	Compound Not Detected.					
	18 Acenaphthene	154	Compound Not Detected.					

PLM 7/6/10

Data File: /chem/5972hp70.i/DS100701B70.b/1005157-06B70.d
Report Date: 06-Jul-2010 16:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SS82-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/21/10

Lab Sample ID: 1005157-15
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005157-15A70
Analyst: OWS

% Moisture: 3 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

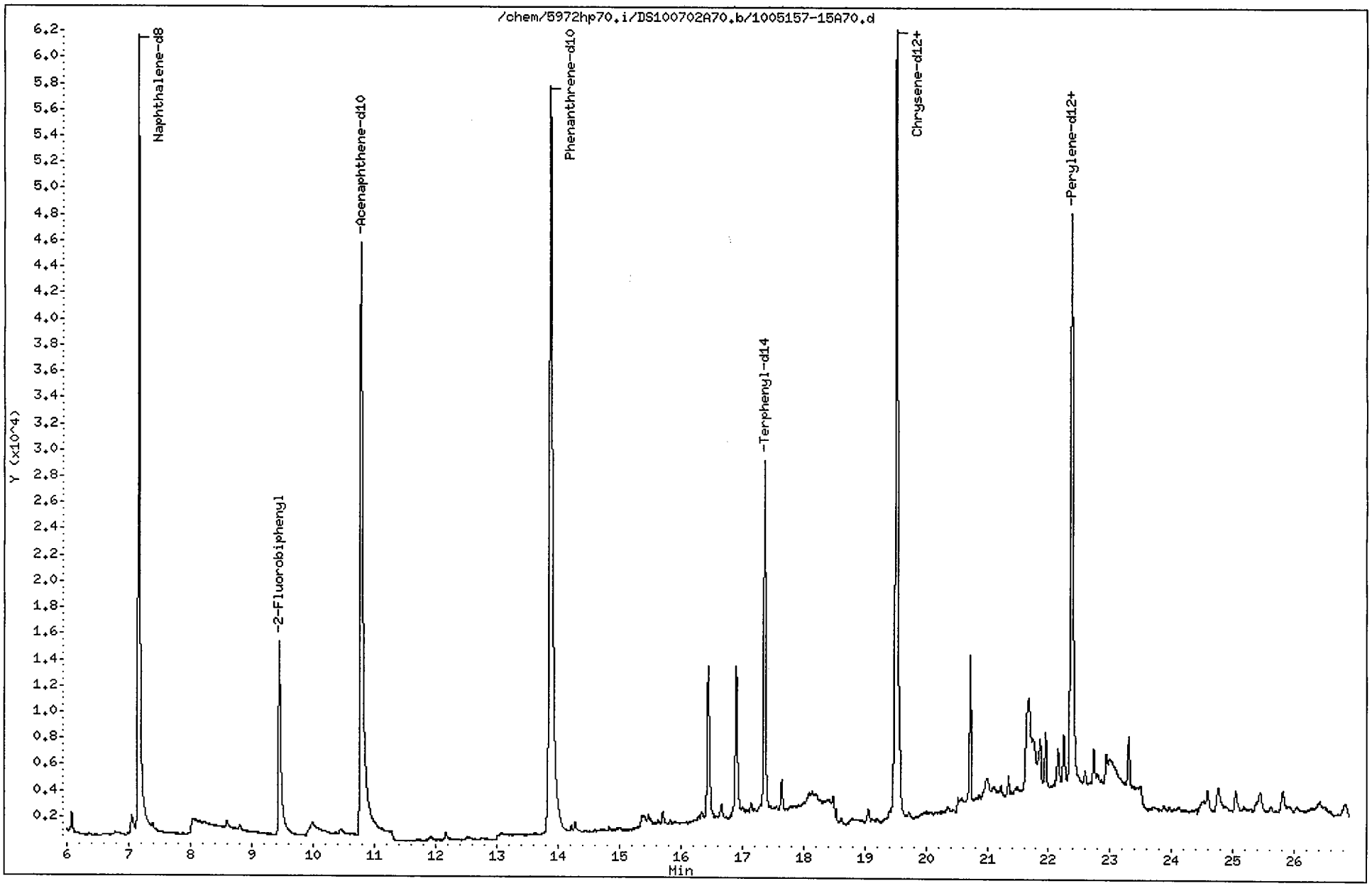
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.74	8.6	ND	U
91-57-6	2-Methylnaphthalene	0.70	8.6	ND	U
208-96-8	Acenaphthylene	0.55	8.6	ND	U
83-32-9	Acenaphthene	0.62	8.6	ND	U
86-73-7	Fluorene	0.46	8.6	ND	U
85-01-8	Phenanthrene	1.4	8.6	ND	U
120-12-7	Anthracene	0.45	8.6	ND	U
206-44-0	Fluoranthene	1.4	8.6	4.4	J
129-00-0	Pyrene	0.58	8.6	4.2	J
56-55-3	Benzo(a)anthracene	0.58	8.6	2.6	J
218-01-9	Chrysene	0.65	8.6	2.4	J
205-99-2	Benzo(b)fluoranthene	0.58	8.6	2.5	J
207-08-9	Benzo(k)fluoranthene	0.45	8.6	2.0	J
50-32-8	Benzo(a)pyrene	0.40	8.6	2.3	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	8.6	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.34	8.6	ND	U
191-24-2	Benzo(g,h,i)perylene	0.40	8.6	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100702A70.b/1005157-15A70.d
Date : 02-JUL-2010 15:50
Client ID: SS82-0-1
Sample Info: 1005157-15:MW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100702A70.b/1005157-15A70.d
Report Date: 06-Jul-2010 16:54

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100702A70.b/1005157-15A70.d
Lab Smp Id: 1005157-15 Client Smp ID: SS82-0-1
Inj Date : 02-JUL-2010 15:50
Operator : OWS Inst ID: 5972hp70.i
Smp Info : 1005157-15:MW
Misc Info : SS82-0-1
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100702A70.b/SIM_8270Cv3DOD.m
Meth Date : 06-Jul-2010 16:42 mead Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	3.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
*	1 1,4-Dichlorobenzene-d4	152	4.863	4.836	(1.000)	32613	2.00000		(a)
*	2 Naphthalene-d8	136	7.161	7.153	(1.000)	126042	2.00000		(a)
*	3 Acenaphthene-d10	164	10.783	10.790	(1.000)	74806	2.00000		(a)
*	4 Phenanthrene-d10	188	13.876	13.885	(1.000)	153684	2.00000		(a)
*	5 Chrysene-d12	240	19.512	19.516	(1.000)	112574	2.00000		(a)
*	6 Perylene-d12	264	22.367	22.366	(1.000)	100362	2.00000		(a)
$	9 Nitrobenzene-d5	82	5.895	5.881	(0.823)	25813	0.63286	11	
$	10 2-Fluorobiphenyl	172	9.446	9.468	(0.876)	32781	0.63584	11	
$	12 Terphenyl-d14	244	17.362	17.371	(0.890)	41292	1.03046	18	
	13 Naphthalene	128	Compound Not Detected.						
	15 2-Methylnaphthalene	141	Compound Not Detected.						
	17 Acenaphthylene	152	Compound Not Detected.						
	18 Acenaphthene	154	Compound Not Detected.						

RM 7/6/10

Data File: /chem/5972hp70.i/DS100702A70.b/1005157-15A70.d
Report Date: 06-Jul-2010 16:54

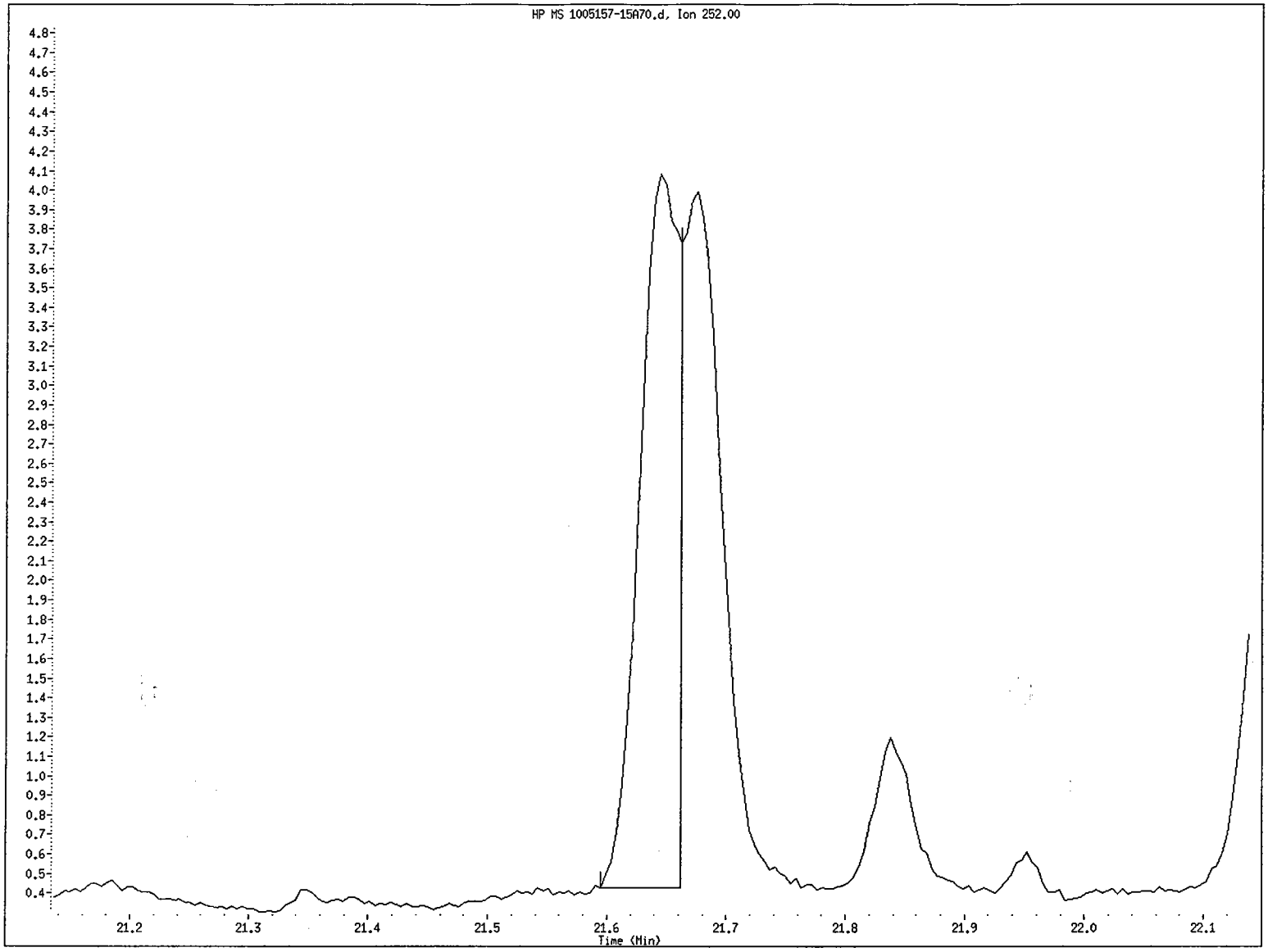
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	16.449	16.458	(1.185)	21046	0.25552	4.4(a)
28 Pyrene	202	16.908	16.908	(0.867)	19733	0.24255	4.2(a)
29 Benzo(a)anthracene	228	19.481	19.481	(0.998)	9057	0.15280	2.6(a)
30 Chrysene	228	19.565	19.565	(1.003)	10015	0.14193	2.4(a)
31 Benzo(b)fluoranthene	252	21.644	21.638	(0.968)	8377	0.14263	2.5(aM)
32 Benzo(k)fluoranthene	252	21.675	21.682	(0.969)	8263	0.11375	2.0(aM)
33 Benzo(a)pyrene	252	22.244	22.242	(0.994)	7325	0.13204	2.3(a)
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

2 2 3 pm 7/6/10

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Benzo(b)fluoranthene CAS Number 205-99-2 Area = 8377 Manually integrated



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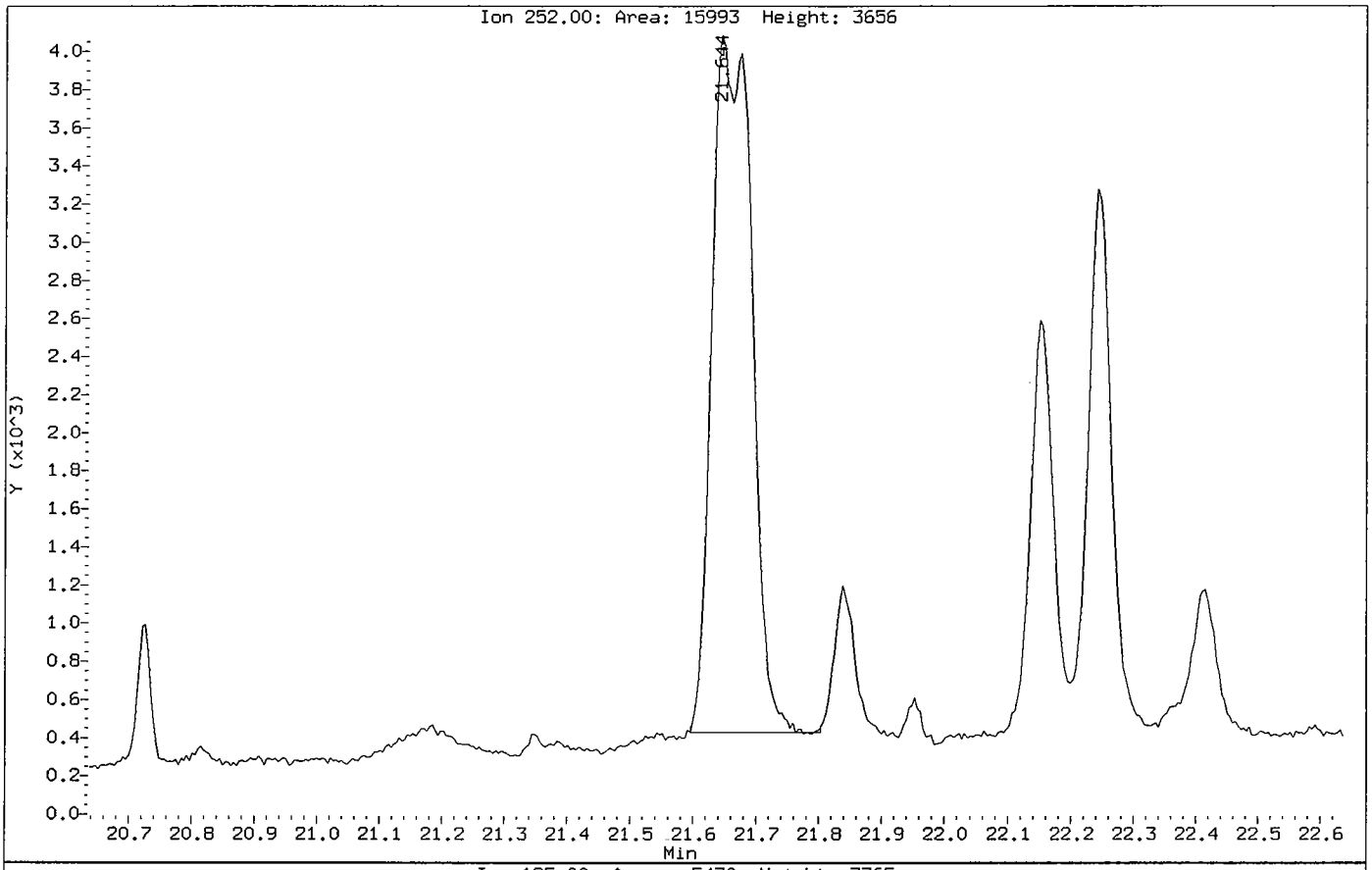
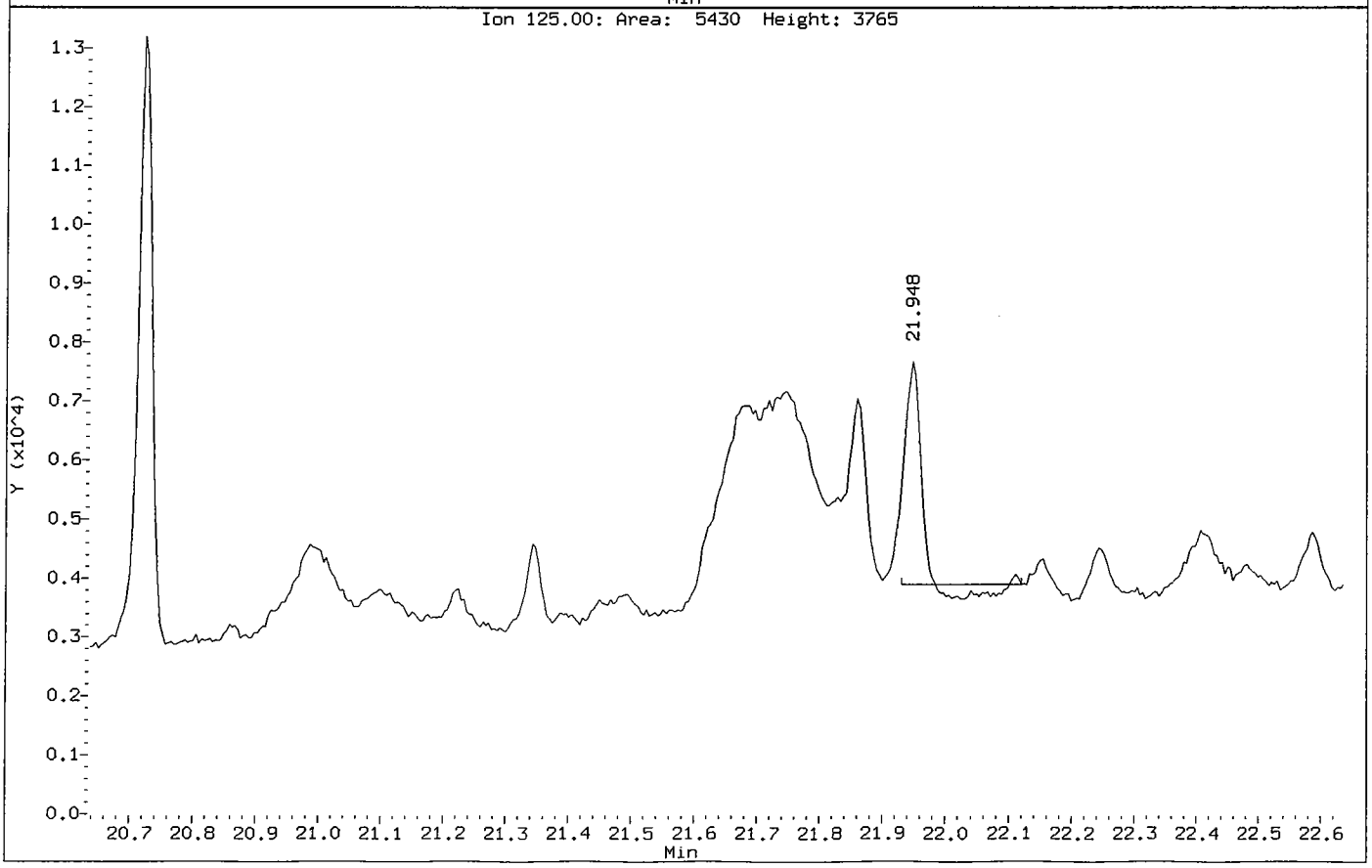
Client ID: SS82-0-1
Instrument ID: 5972hp70.i
Injection Date and Time: 02-JUL-2010 15:50
Retention Time: 21.64
Operator ID: OWS

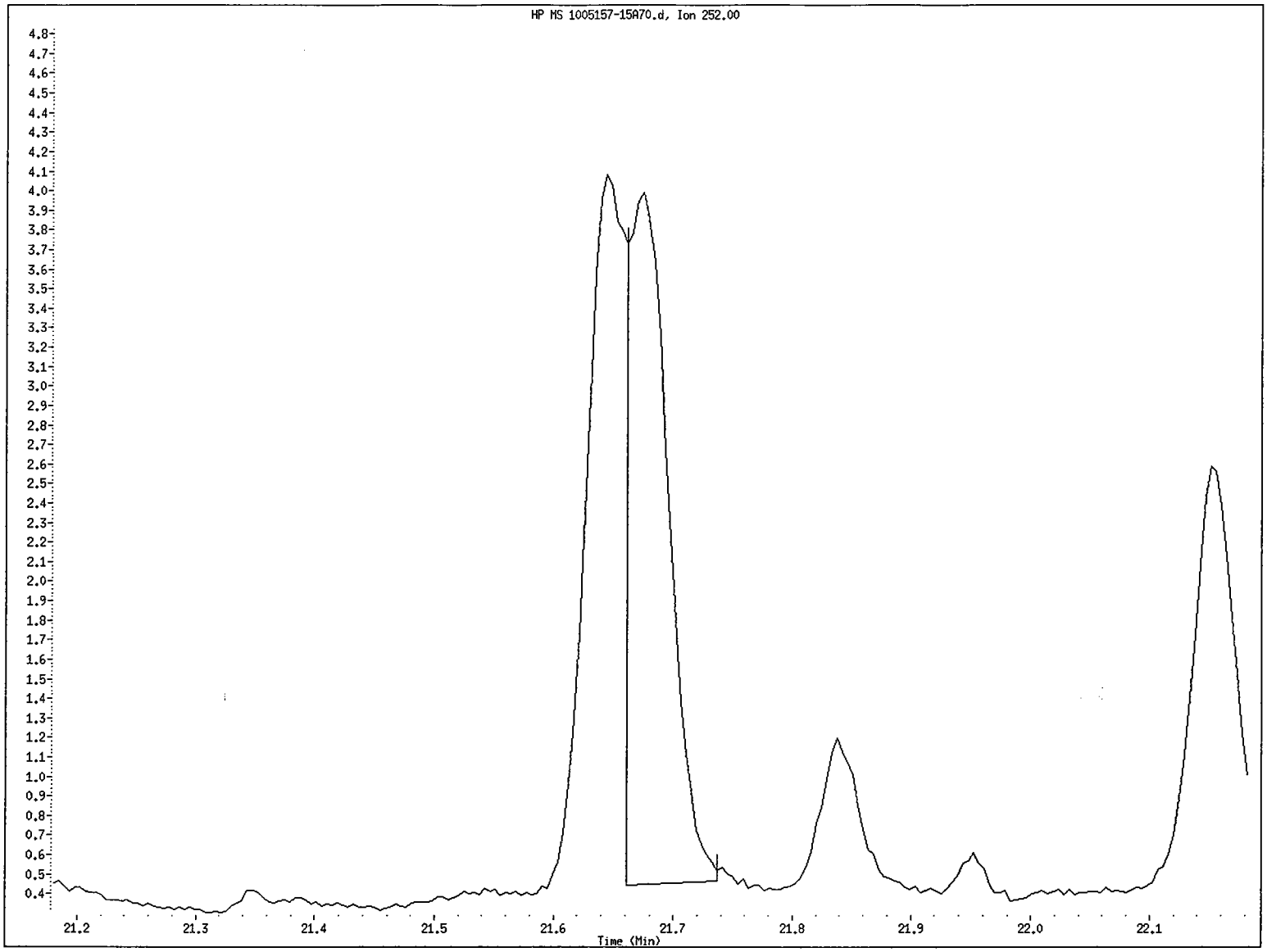
Data File: /chem/5972hp70.i/DS100702A70.b/1005157-15A70.d
Injection Date: 02-JUL-2010 15:50
Instrument: 5972hp70.i
Client Sample ID: SS82-0-1

Compound: Benzo(b)fluoranthene
CAS Number: 205-99-2





Benzo(k)fluoranthene CAS Number 207-08-9 Area = 8263 Manually integrated



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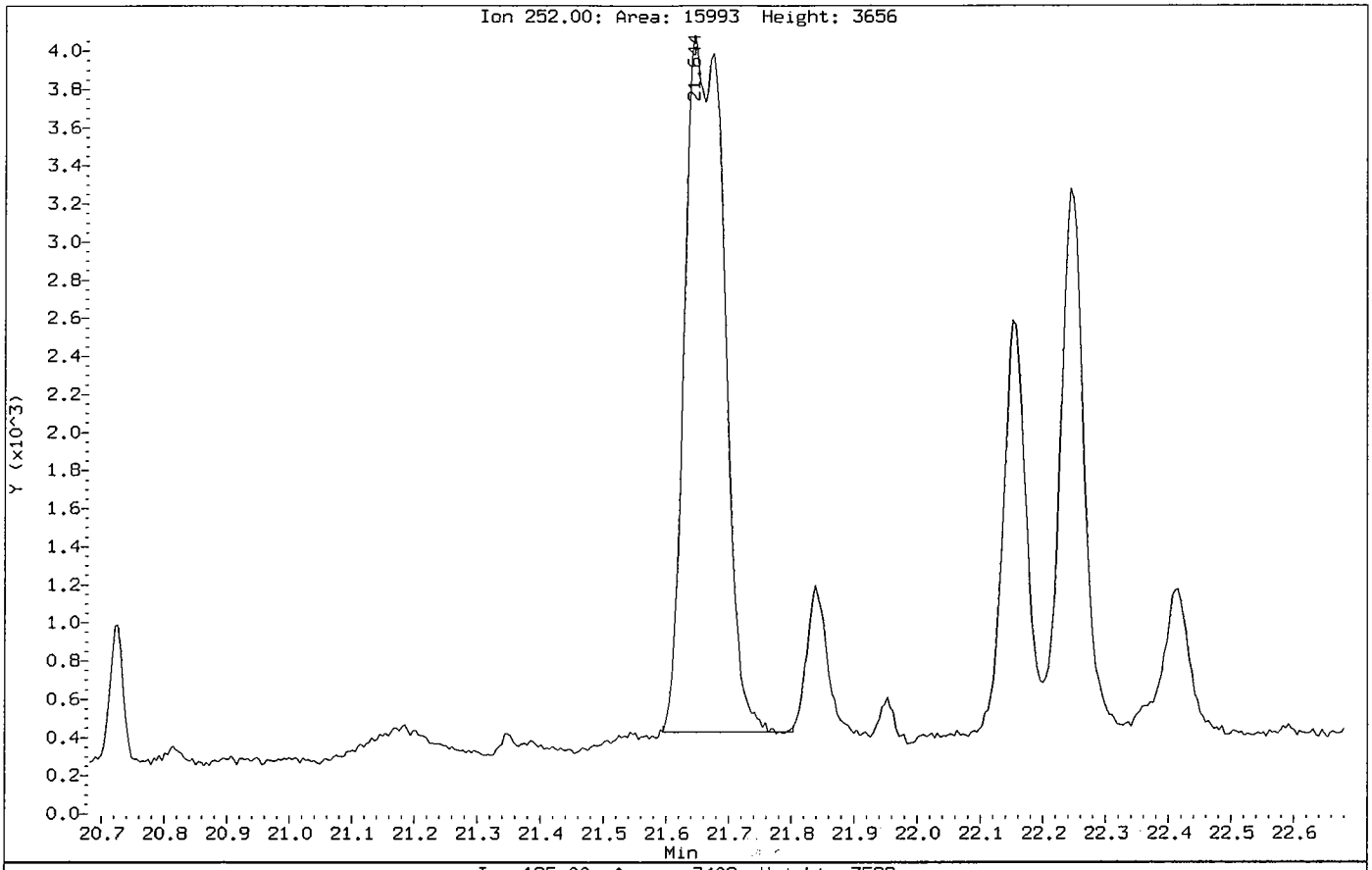
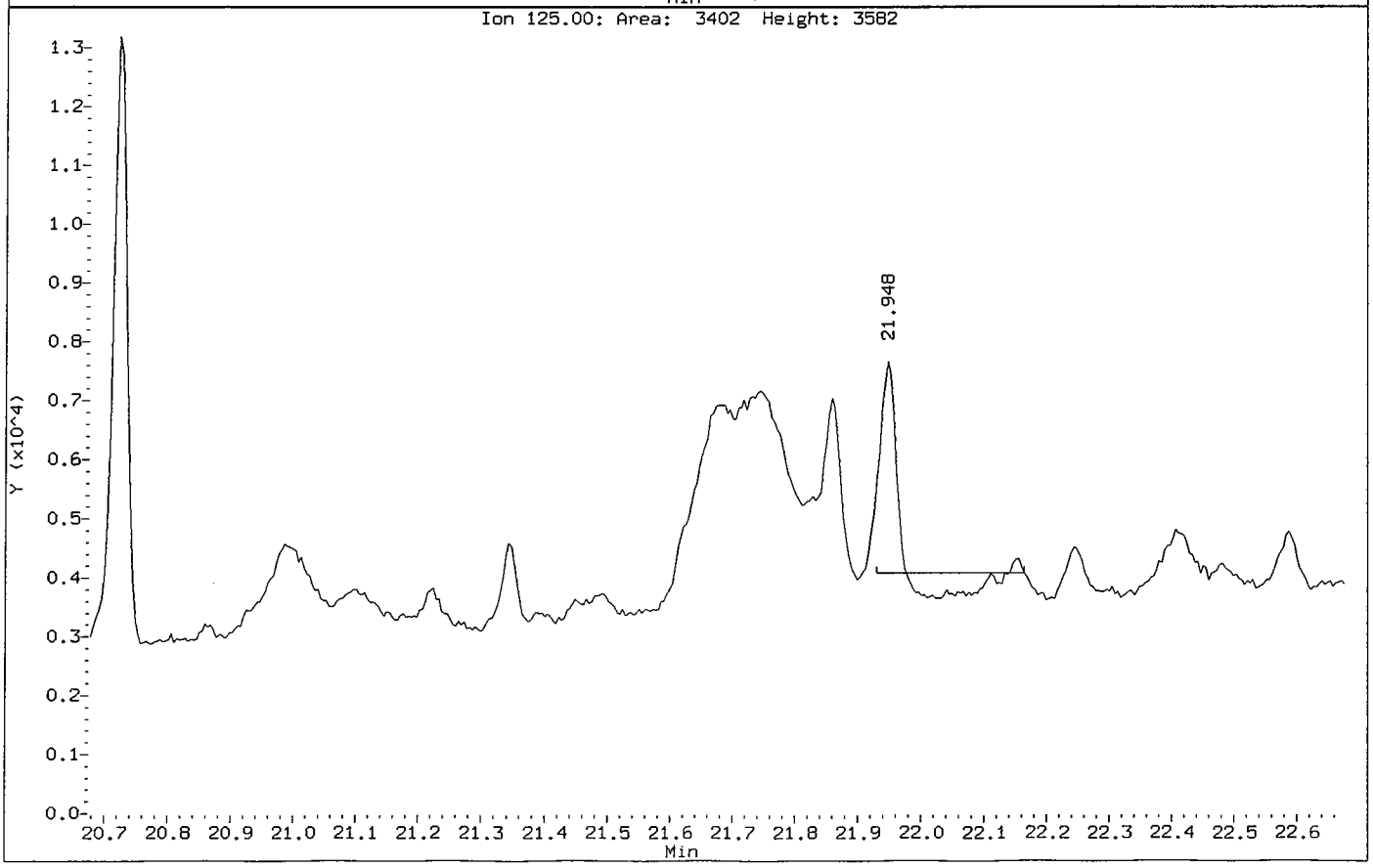
Instrument ID: 5972hp70.i
Injection Date and Time: 02-JUL-2010 15:50
Retention Time: 21.67
Operator ID: OWS

Data File: /chem/5972hp70.i/DS100702A70.b/1005157-15A70.d
Injection Date: 02-JUL-2010 15:50
Instrument: 5972hp70.i
Client Sample ID: SS82-0-1

Compound: Benzo(k)fluoranthene
CAS Number: 207-08-9





Data File: /chem/5972hp70.i/DS100702A70.b/1005157-15A70.d

Date : 02-JUL-2010 15:50

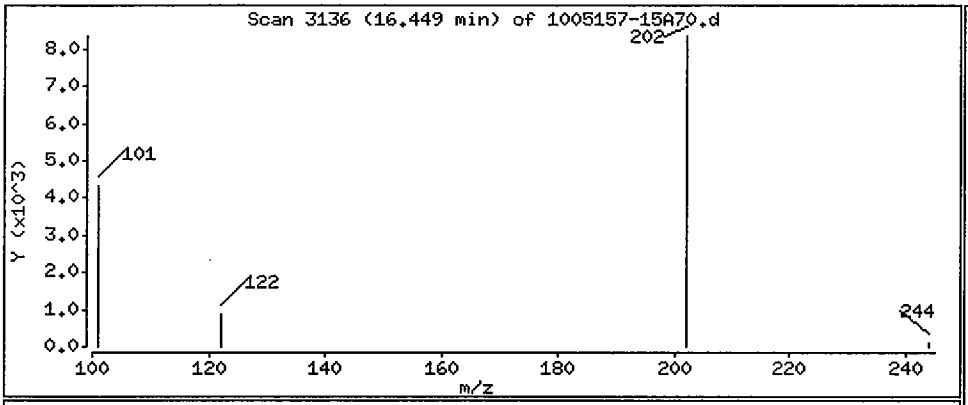
Client ID: SS82-0-1 Instrument: 5972hp70.i

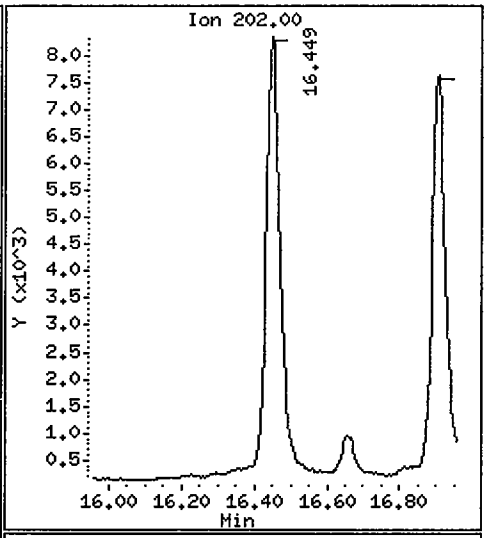
Sample Info: 1005157-15:MW

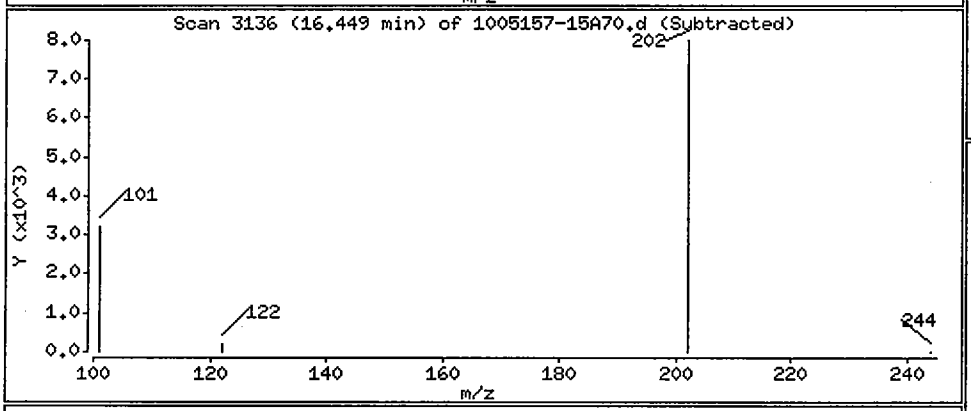
Volume Injected (uL): 2.0 Operator: OWS

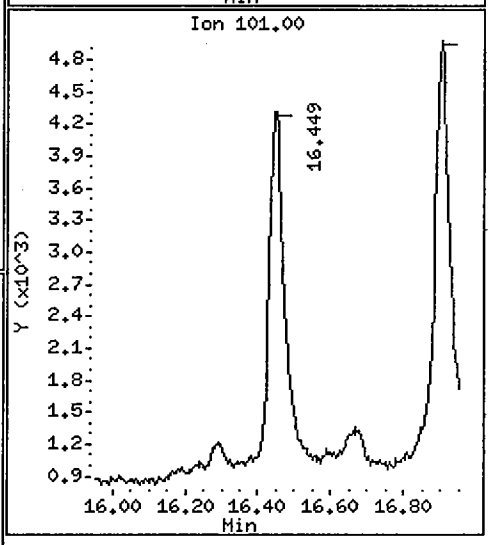
Column phase: Rtx-5MS Column diameter: 0.32

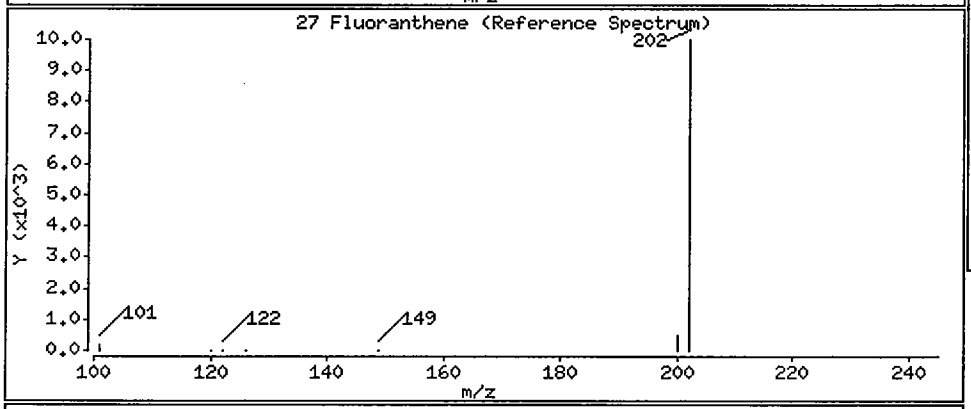
27 Fluoranthene Concentration: 4.4 ug/Kg

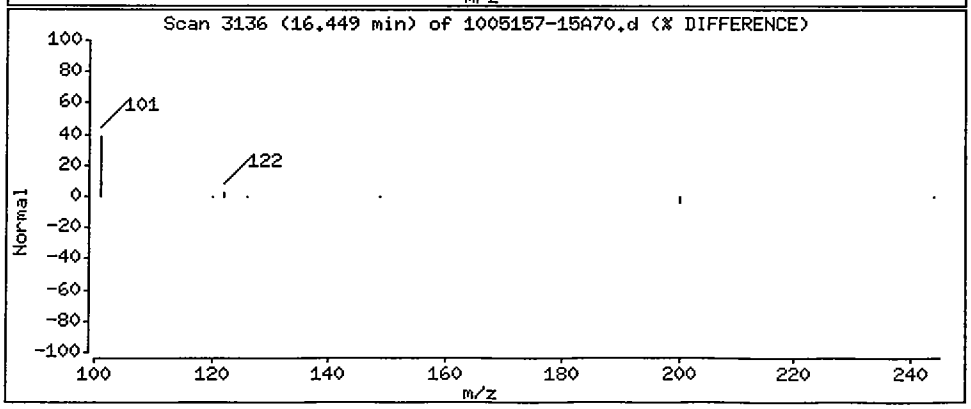












Data File: /chem/5972hp70.i/DS100702A70.b/1005157-15A70.d

Date : 02-JUL-2010 15:50

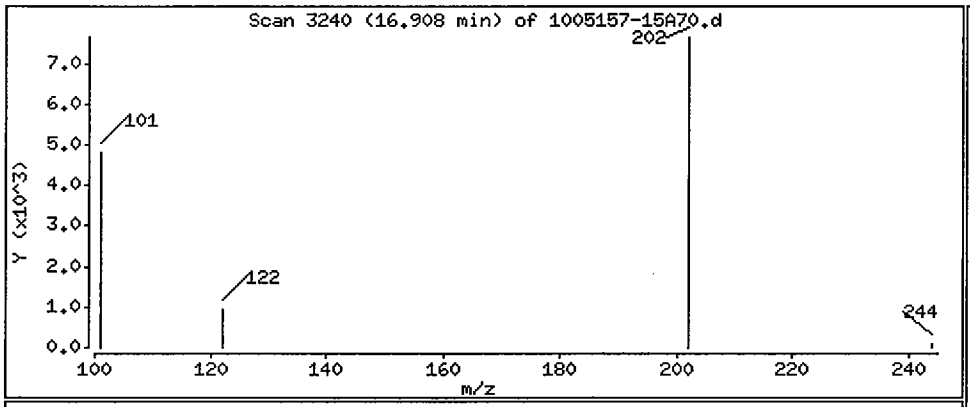
Client ID: SS82-0-1 Instrument: 5972hp70.i

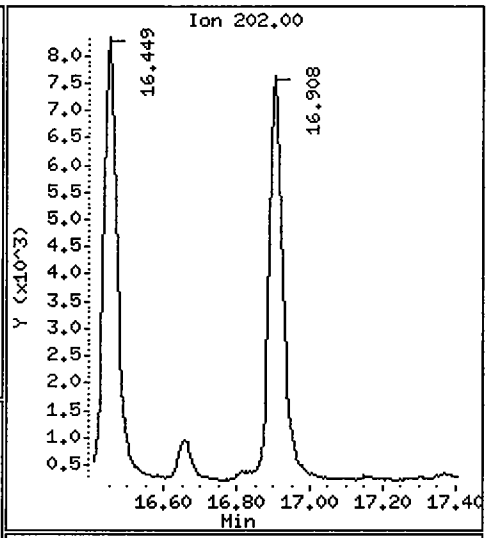
Sample Info: 1005157-15;MW

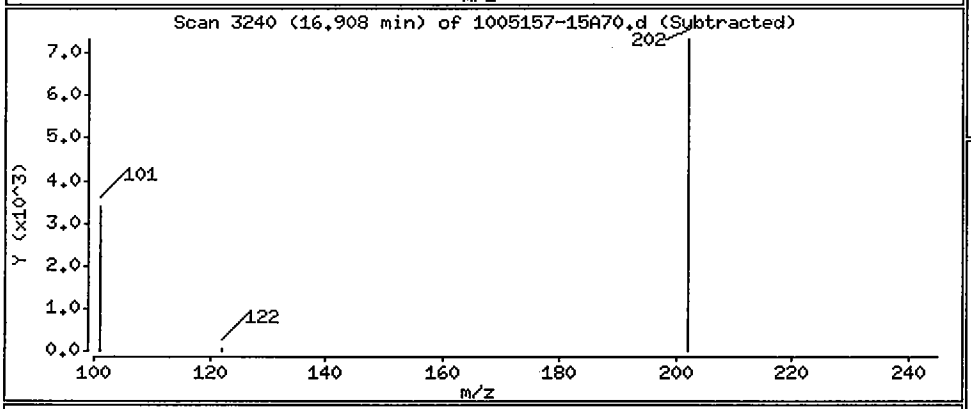
Volume Injected (uL): 2.0 Operator: OWS

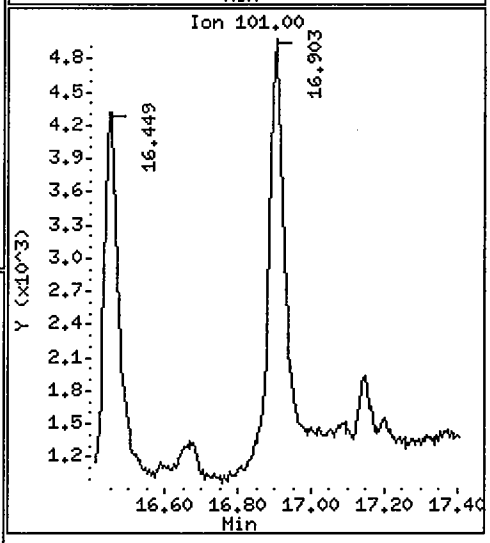
Column phase: Rtx-5MS Column diameter: 0.32

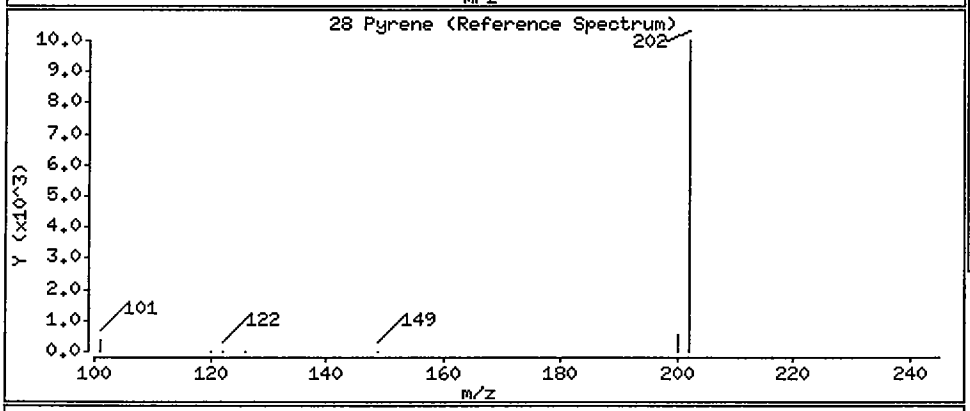
28 Pyrene Concentration: 4.2 ug/Kg

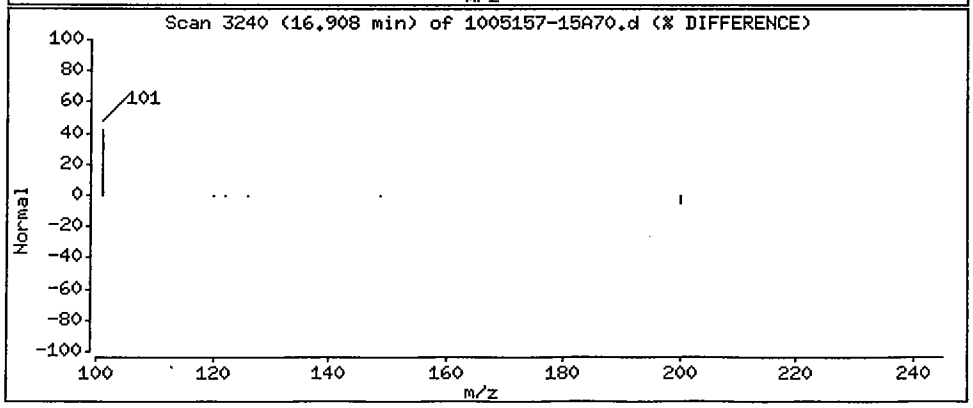












Data File: /chem/5972hp70.i/DS100702A70.b/1005157-15A70.d

Date : 02-JUL-2010 15:50

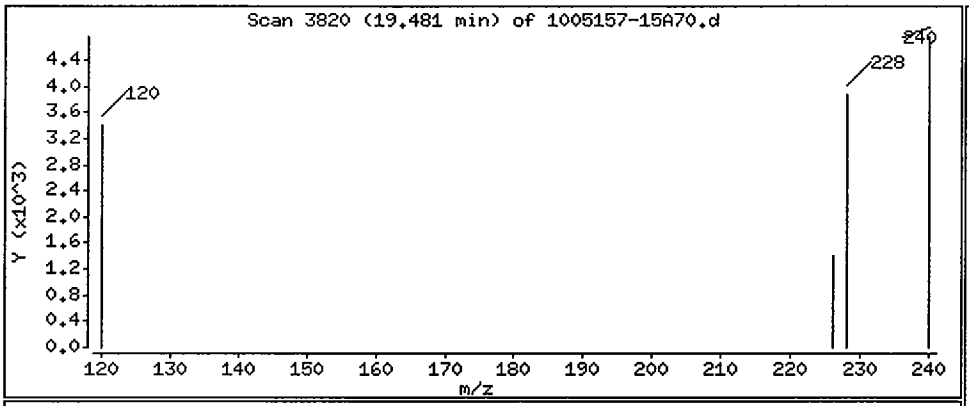
Client ID: SS82-0-1 Instrument: 5972hp70.i

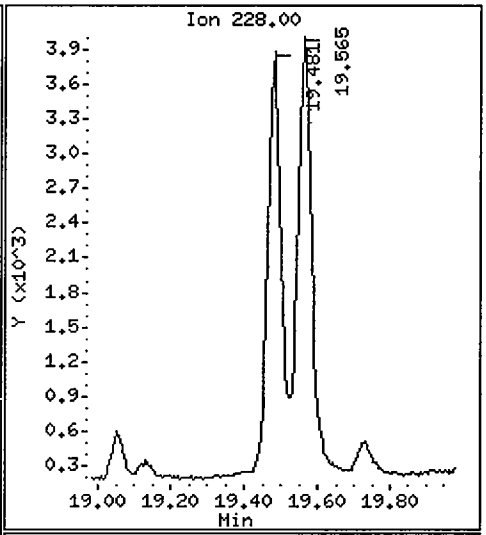
Sample Info: 1005157-15:MW

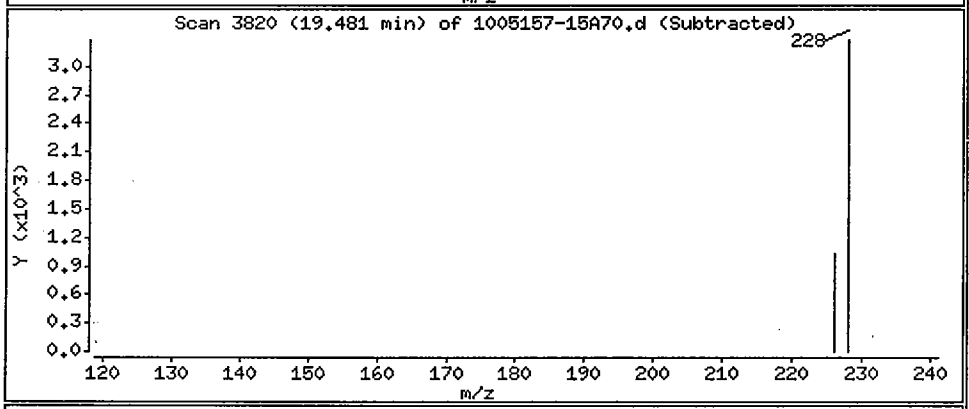
Volume Injected (uL): 2.0 Operator: OWS

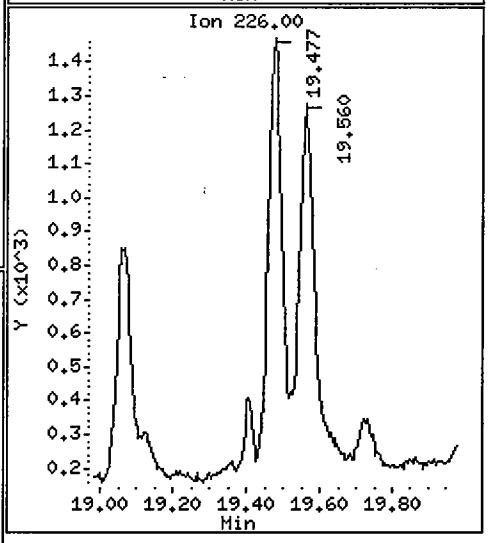
Column phase: Rtx-5MS Column diameter: 0.32

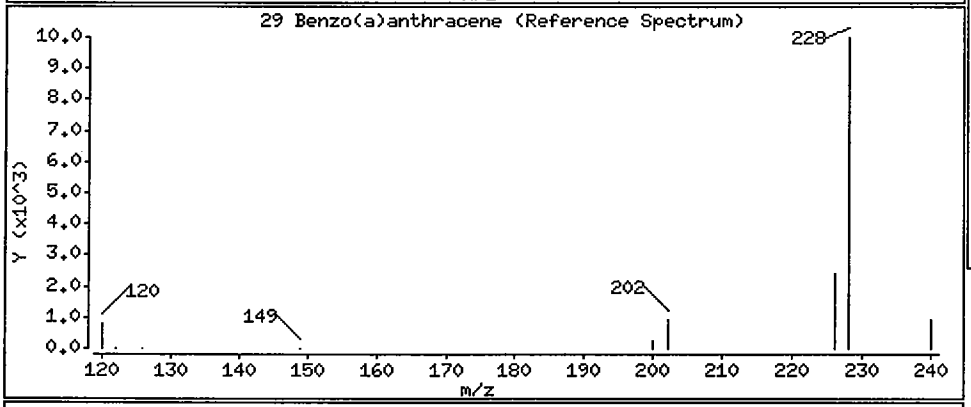
29 Benzo(a)anthracene Concentration: 2.6 ug/Kg

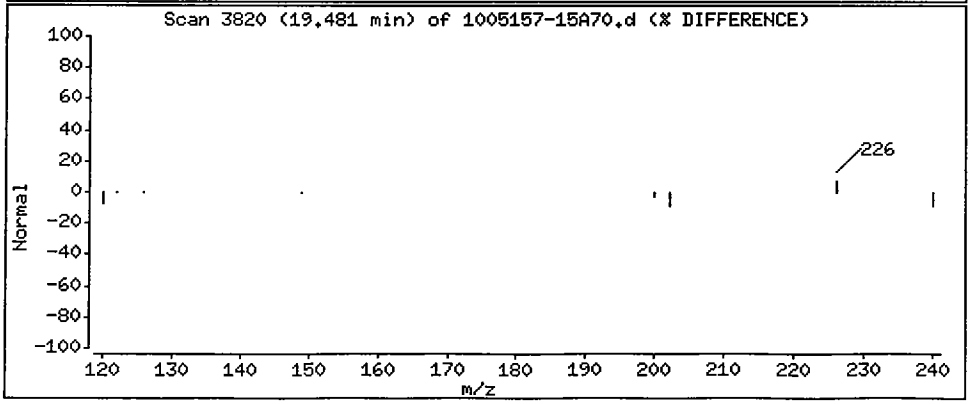












Data File: /chem/5972hp70.i/DS100702A70.b/1005157-15A70.d

Date : 02-JUL-2010 15:50

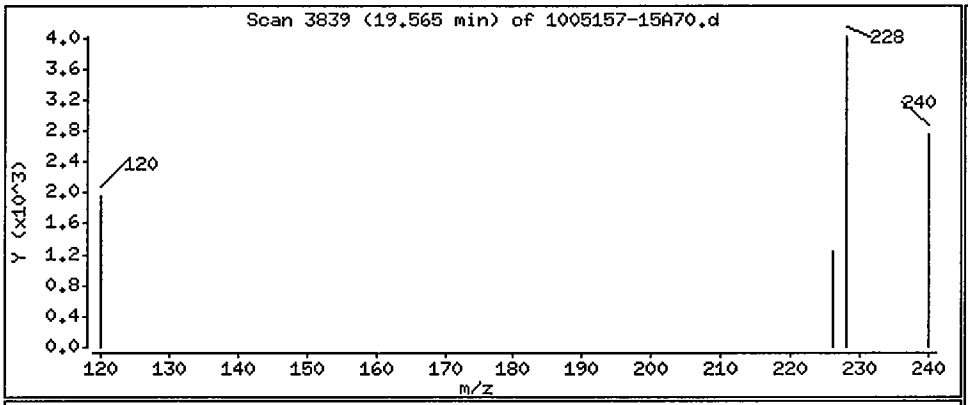
Client ID: SS82-0-1 Instrument: 5972hp70.i

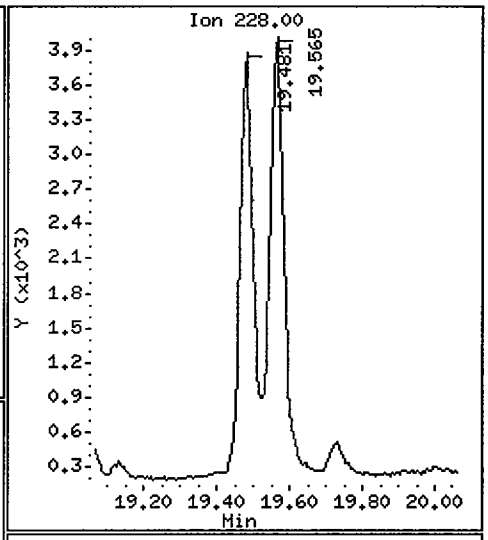
Sample Info: 1005157-15:MW

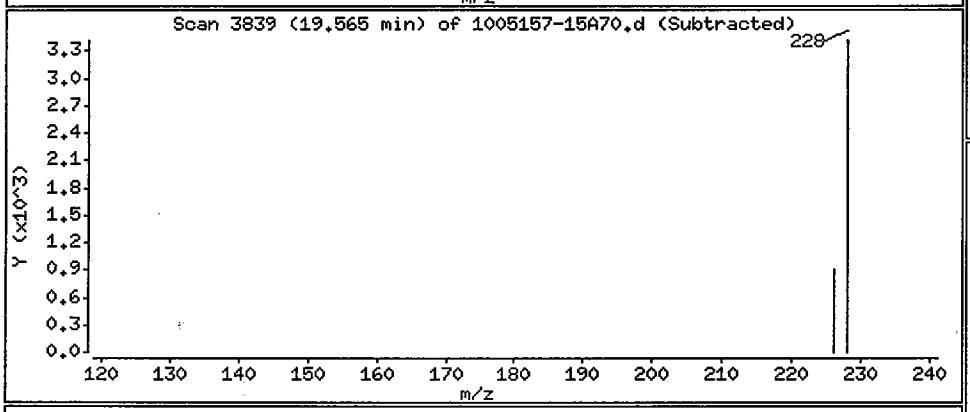
Volume Injected (uL): 2.0 Operator: OWS

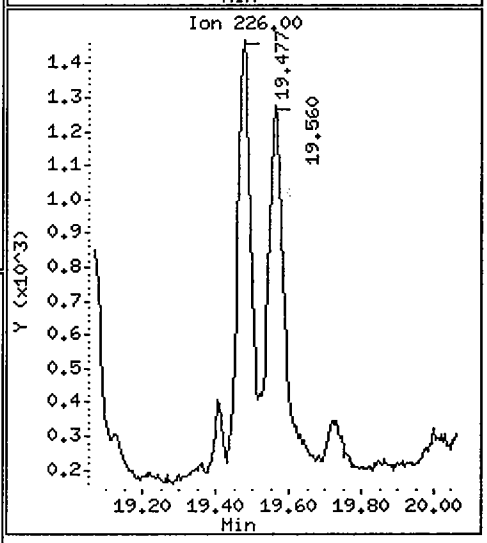
Column phase: Rtx-5MS Column diameter: 0.32

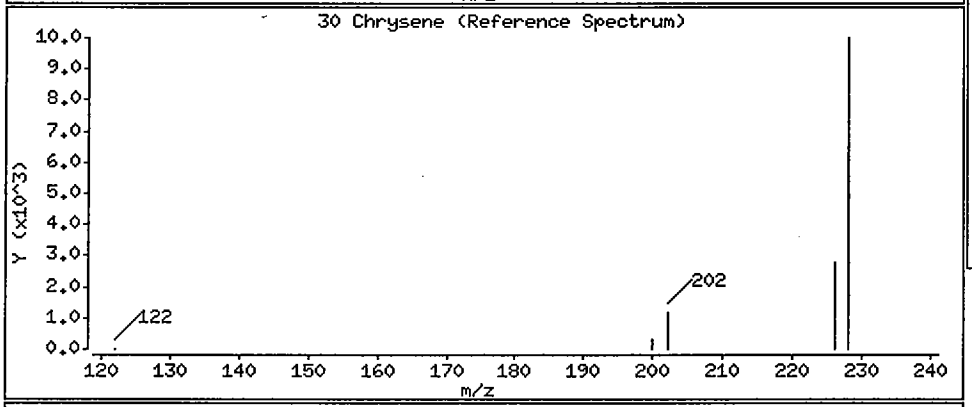
30 Chrysene Concentration: 2.4 ug/Kg

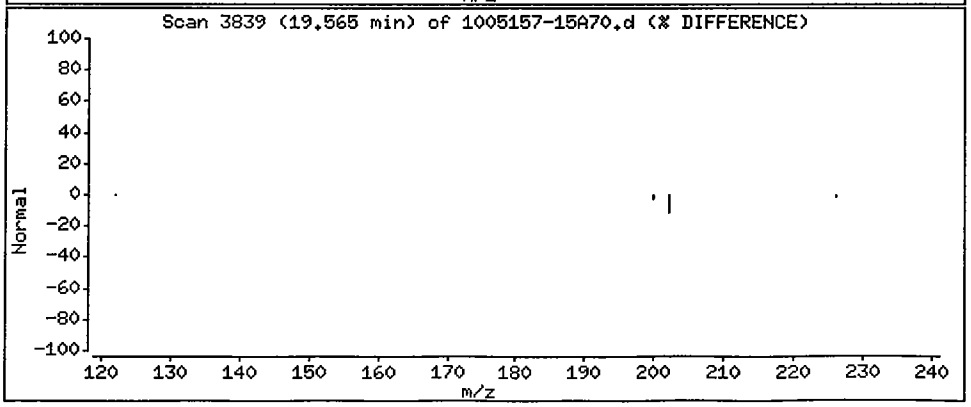












Data File: /chem/5972hp70.i/DS100702A70.b/1005157-15A70.d

Date : 02-JUL-2010 15:50

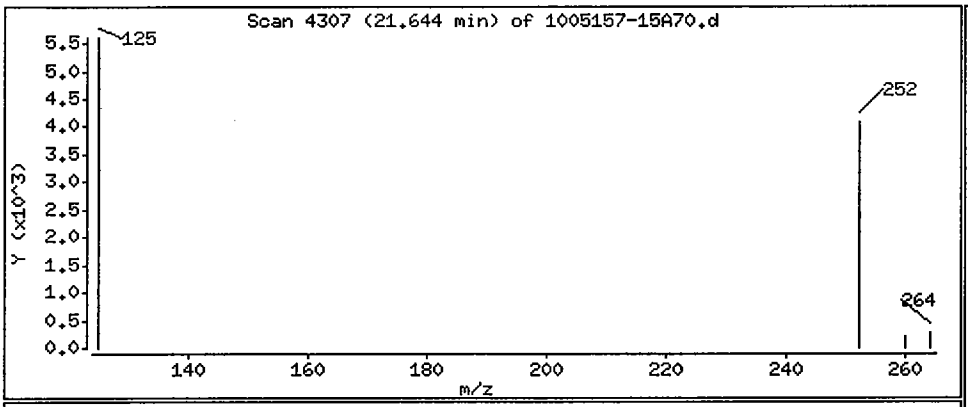
Client ID: SS82-0-1 Instrument: 5972hp70.i

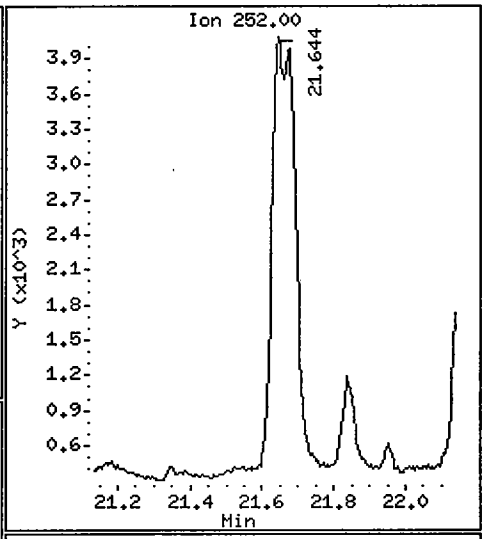
Sample Info: 1005157-15:MW

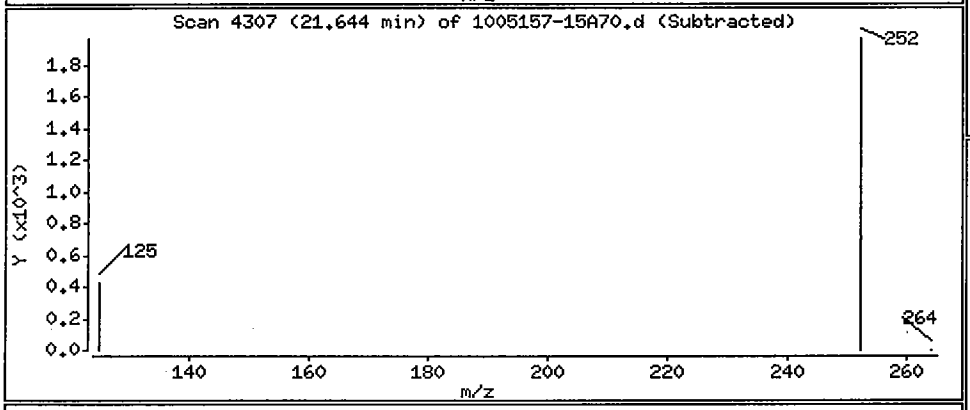
Volume Injected (uL): 2.0 Operator: OWS

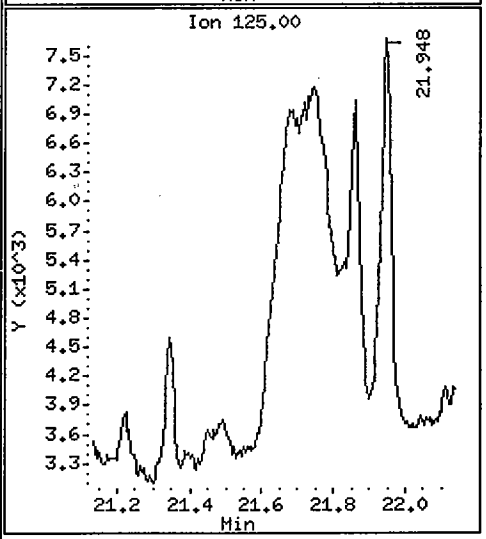
Column phase: Rtx-5MS Column diameter: 0.32

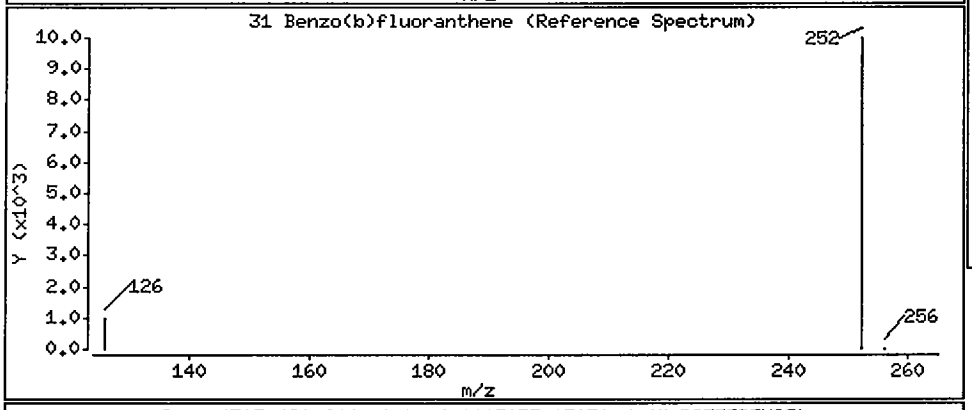
31 Benzo(b)fluoranthene Concentration: 2.5 ug/Kg

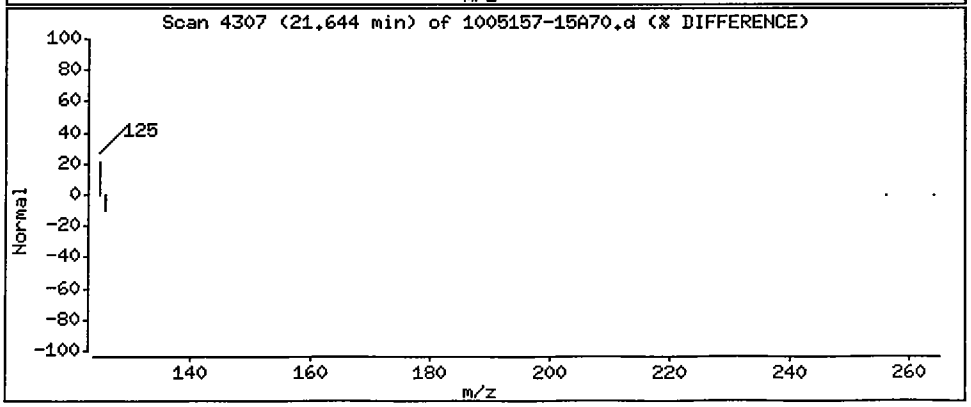












Data File: /chem/5972hp70.i/DS100702A70.b/1005157-15A70.d

Date : 02-JUL-2010 15:50

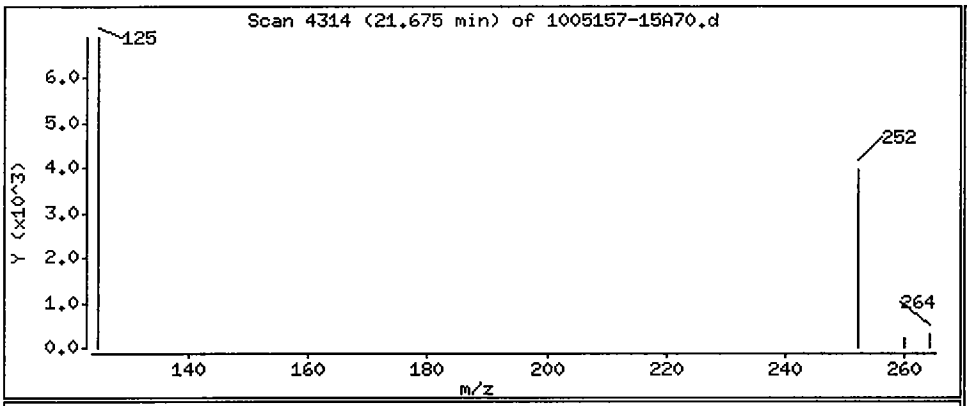
Client ID: SS82-0-1 Instrument: 5972hp70.i

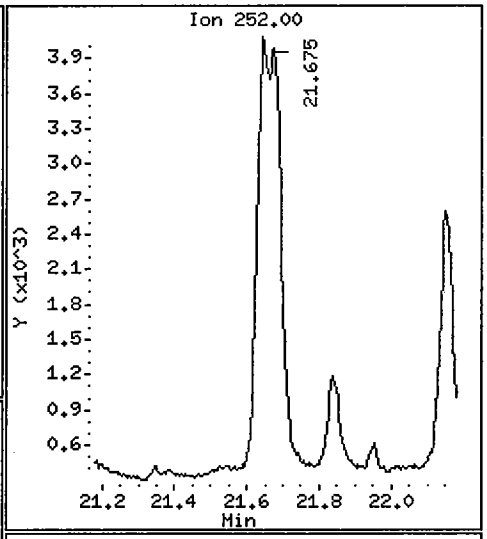
Sample Info: 1005157-15:MW

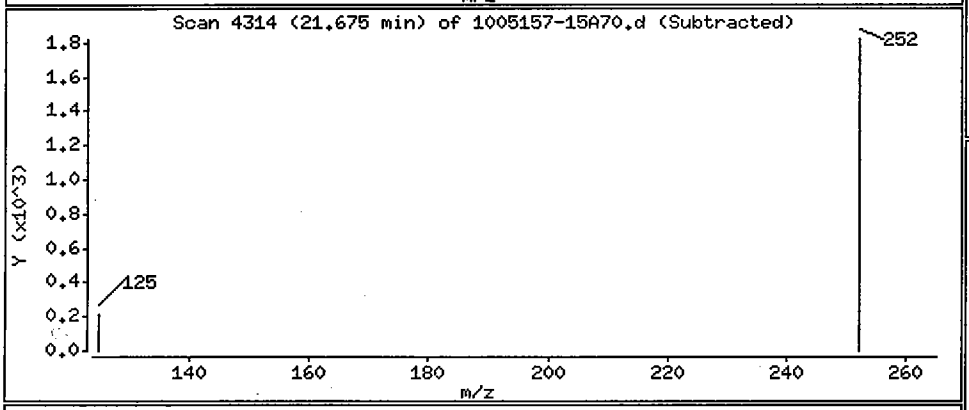
Volume Injected (uL): 2.0 Operator: OWS

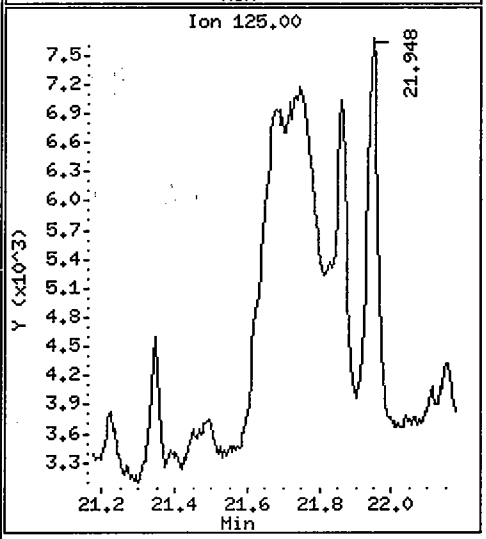
Column phase: Rtx-5MS Column diameter: 0.32

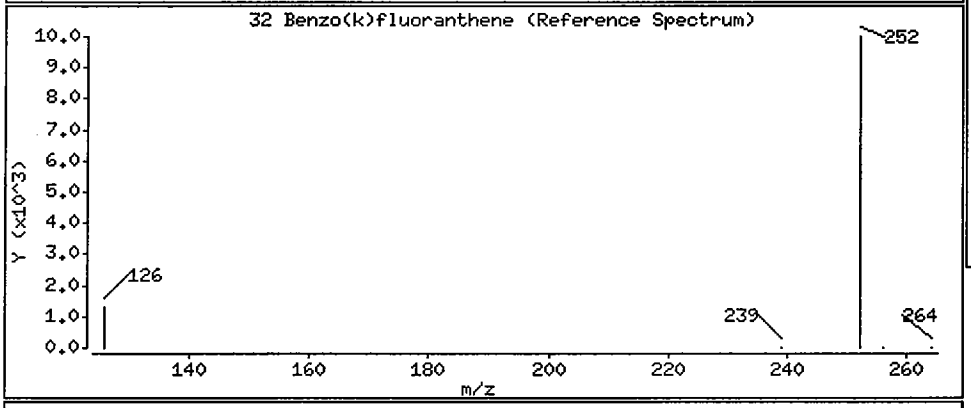
32 Benzo(k)fluoranthene Concentration: 2.0 ug/Kg

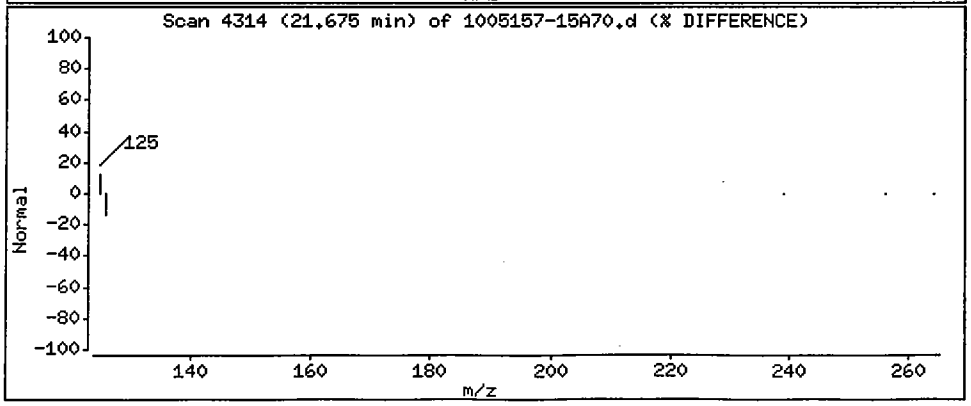












Data File: /chem/5972hp70.i/DS100702A70.b/1005157-15A70.d

Date : 02-JUL-2010 15:50

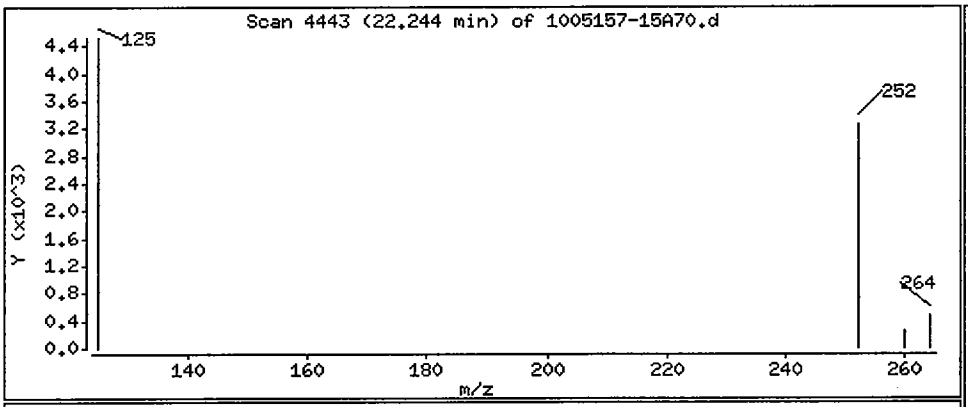
Client ID: SS82-0-1 Instrument: 5972hp70.i

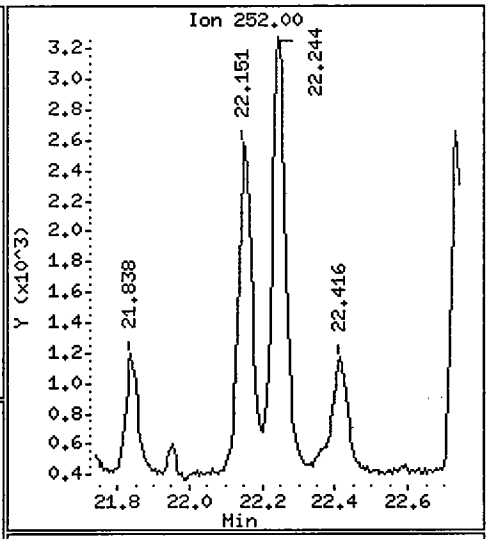
Sample Info: 1005157-15:MW

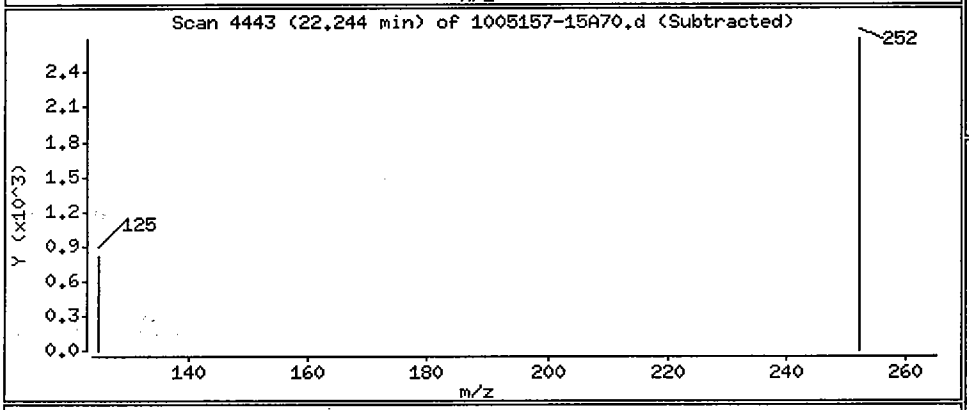
Volume Injected (uL): 2.0 Operator: OWS

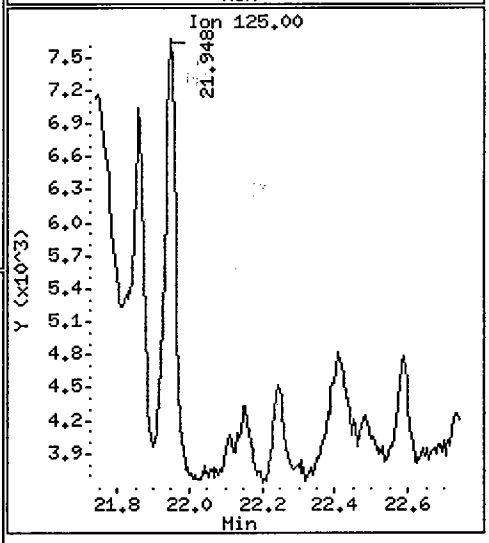
Column phase: Rtx-5MS Column diameter: 0.32

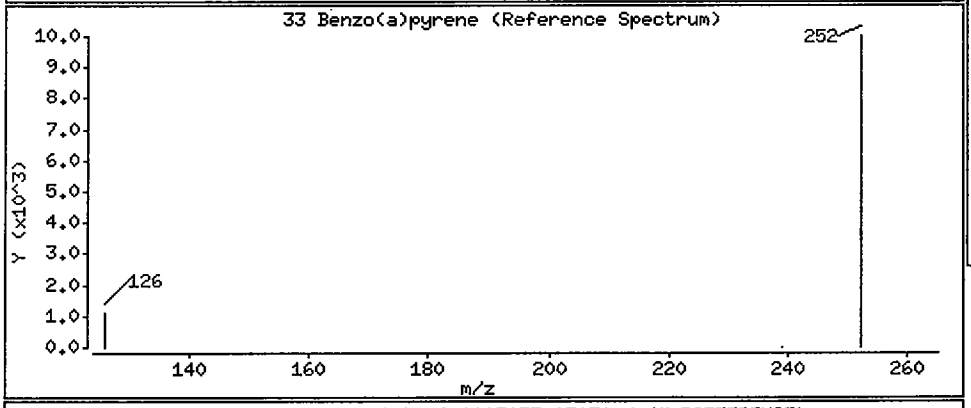
33 Benzo(a)pyrene Concentration: 2.3 ug/Kg

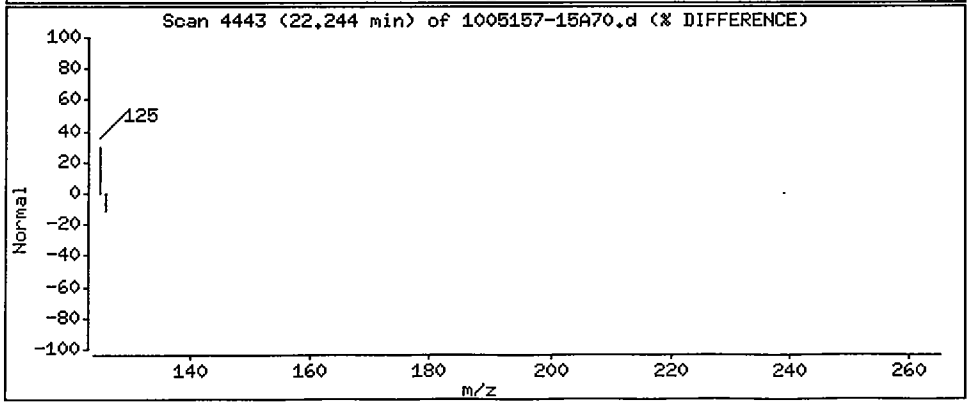












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SS82D-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/21/10

Lab Sample ID: 1005157-16
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005157-16A70
Analyst: OWS

% Moisture: 3 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

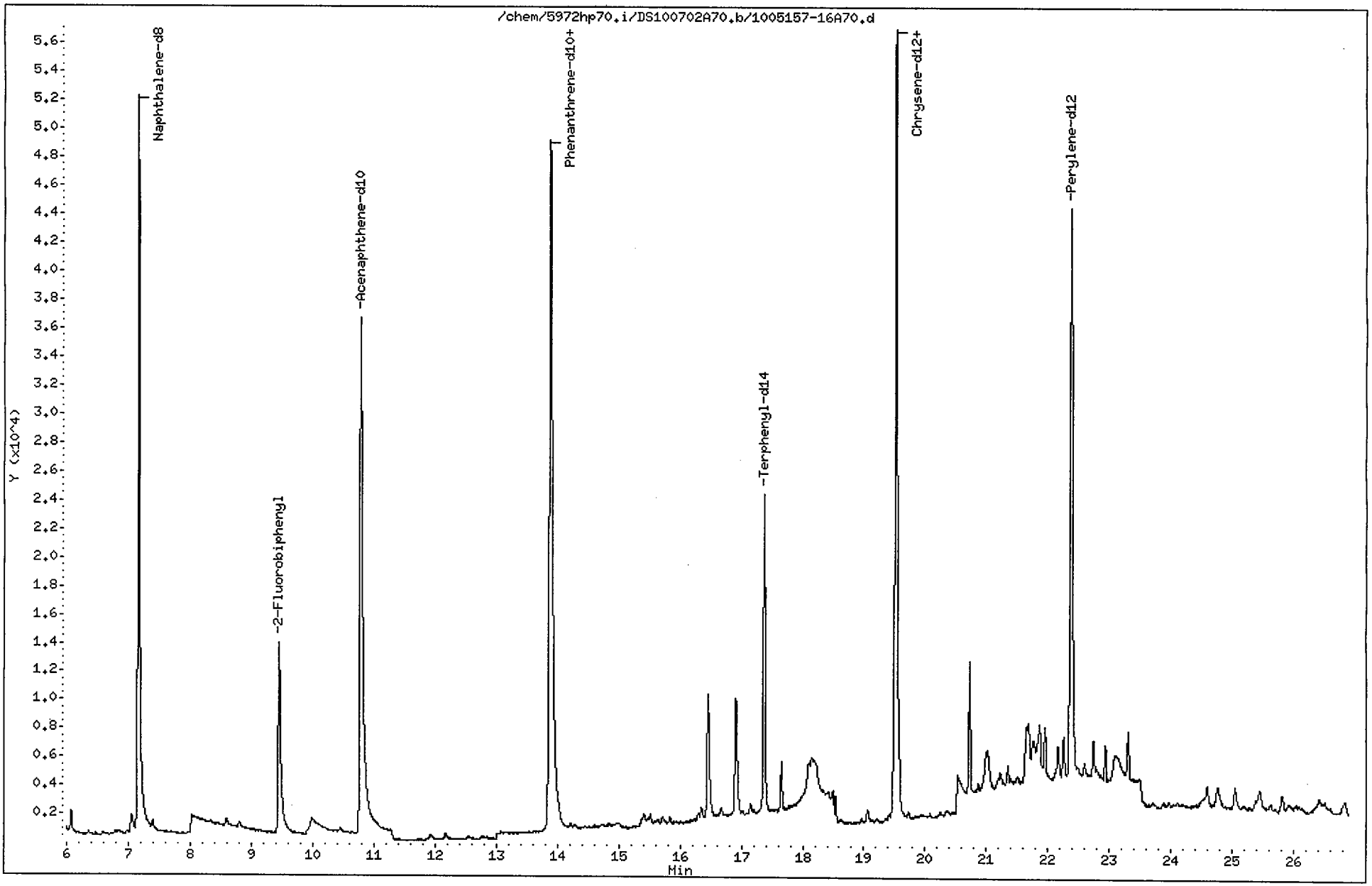
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.74	8.6	ND	U
91-57-6	2-Methylnaphthalene	0.70	8.6	ND	U
208-96-8	Acenaphthylene	0.55	8.6	ND	U
83-32-9	Acenaphthene	0.62	8.6	ND	U
86-73-7	Fluorene	0.46	8.6	ND	U
85-01-8	Phenanthrene	1.4	8.6	1.8	J
120-12-7	Anthracene	0.45	8.6	ND	U
206-44-0	Fluoranthene	1.4	8.6	4.0	J
129-00-0	Pyrene	0.58	8.6	3.4	J
56-55-3	Benzo(a)anthracene	0.58	8.6	2.1	J
218-01-9	Chrysene	0.65	8.6	2.3	J
205-99-2	Benzo(b)fluoranthene	0.58	8.6	ND	U
207-08-9	Benzo(k)fluoranthene	0.45	8.6	ND	U
50-32-8	Benzo(a)pyrene	0.40	8.6	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	8.6	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.34	8.6	ND	U
191-24-2	Benzo(g,h,i)perylene	0.40	8.6	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100702A70.b/1005157-16A70.d
Date : 02-JUL-2010 16:25
Client ID: SS82D-0-1
Sample Info: 1005157-16:MW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100702A70.b/1005157-16A70.d
Report Date: 06-Jul-2010 16:54

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100702A70.b/1005157-16A70.d
Lab Smp Id: 1005157-16 Client Smp ID: SS82D-0-1
Inj Date : 02-JUL-2010 16:25
Operator : OWS Inst ID: 5972hp70.i
Smp Info : 1005157-16:MW
Misc Info : SS82D-0-1
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100702A70.b/SIM_8270Cv3DOD.m
Meth Date : 06-Jul-2010 16:42 mead Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	3.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	4.864	4.836	(1.000)	26941	2.00000	(a)
* 2 Naphthalene-d8	136	7.161	7.153	(1.000)	103385	2.00000	(a)
* 3 Acenaphthene-d10	164	10.783	10.790	(1.000)	61816	2.00000	(a)
* 4 Phenanthrene-d10	188	13.882	13.885	(1.000)	126506	2.00000	(a)
* 5 Chrysene-d12	240	19.515	19.516	(1.000)	99165	2.00000	(a)
* 6 Perylene-d12	264	22.371	22.366	(1.000)	88593	2.00000	(a)
$ 9 Nitrobenzene-d5	82	5.900	5.881	(0.824)	22922	0.68514	12
$ 10 2-Fluorobiphenyl	172	9.450	9.468	(0.876)	30922	0.72582	12
$ 12 Terphenyl-d14	244	17.366	17.371	(0.890)	34508	0.97761	17
13 Naphthalene	128	Compound Not Detected.					
15 2-Methylnaphthalene	141	Compound Not Detected.					
17 Acenaphthylene	152	Compound Not Detected.					
18 Acenaphthene	154	Compound Not Detected.					

RM 7/6/10

Data File: /chem/5972hp70.i/DS100702A70.b/1005157-16A70.d
Report Date: 06-Jul-2010 16:54

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	13.930	13.929	(1.003)	7230	0.10471	1.8(a)
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	16.452	16.458	(1.185)	15639	0.23066	4.0(a)
28 Pyrene	202	16.907	16.908	(0.866)	14342	0.20013	3.4(a)
29 Benzo(a)anthracene	228	19.480	19.481	(0.998)	6374	0.12208	2.1(a)
30 Chrysene	228	19.564	19.565	(1.002)	8334	0.13408	2.3(a)
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /chem/5972hp70.i/DS100702A70.b/1005157-16A70.d

Date : 02-JUL-2010 16:25

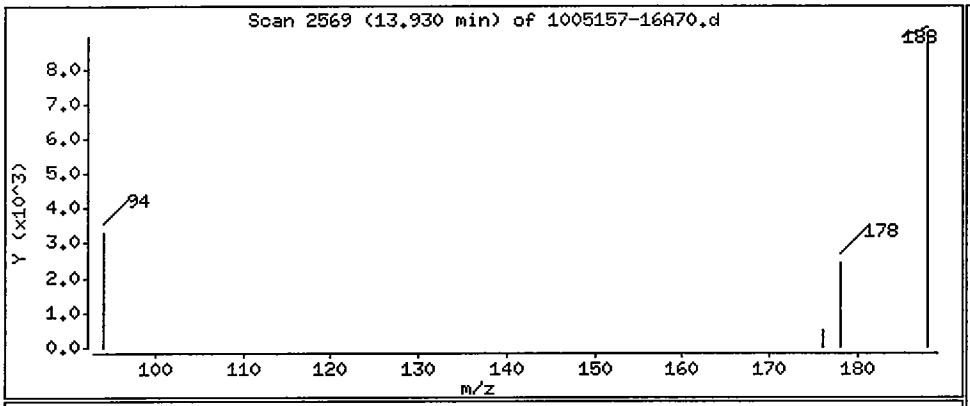
Client ID: SS82D-0-1 Instrument: 5972hp70.i

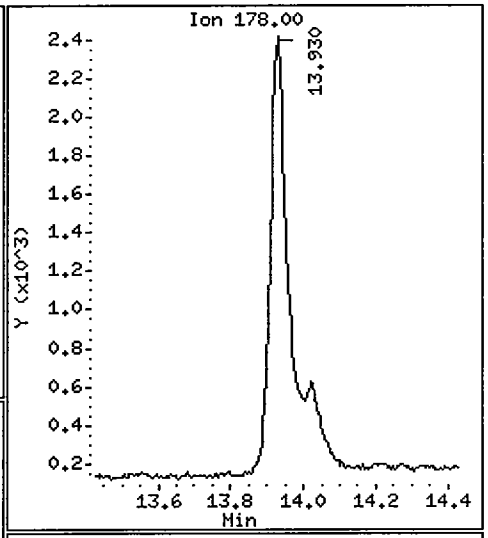
Sample Info: 1005157-16:MW

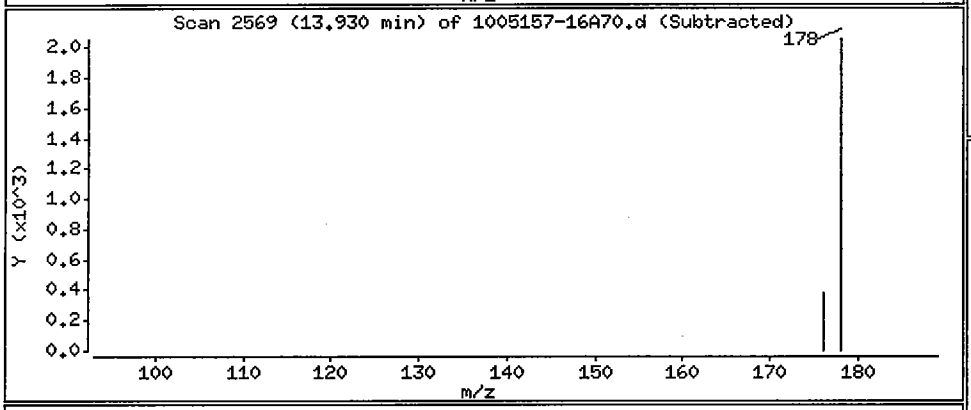
Volume Injected (uL): 2.0 Operator: OWS

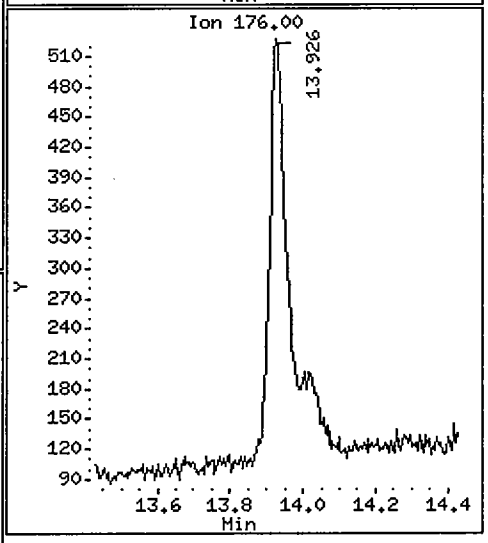
Column phase: Rtx-5MS Column diameter: 0.32

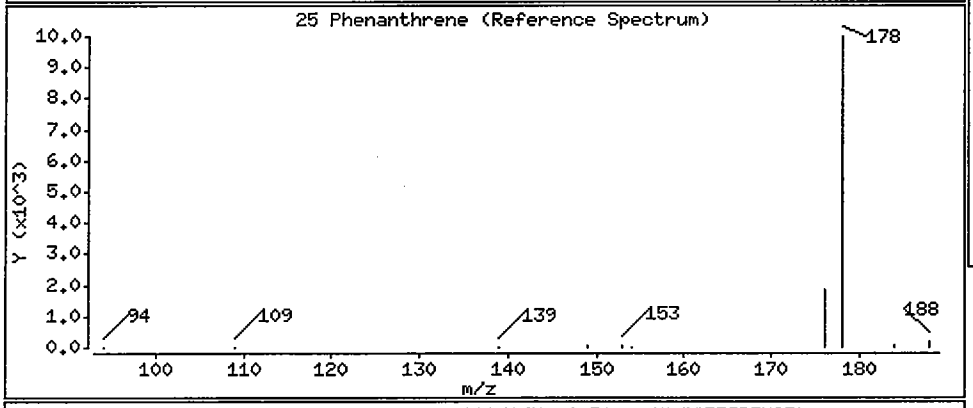
25 Phenanthrene Concentration: 1.8 ug/Kg

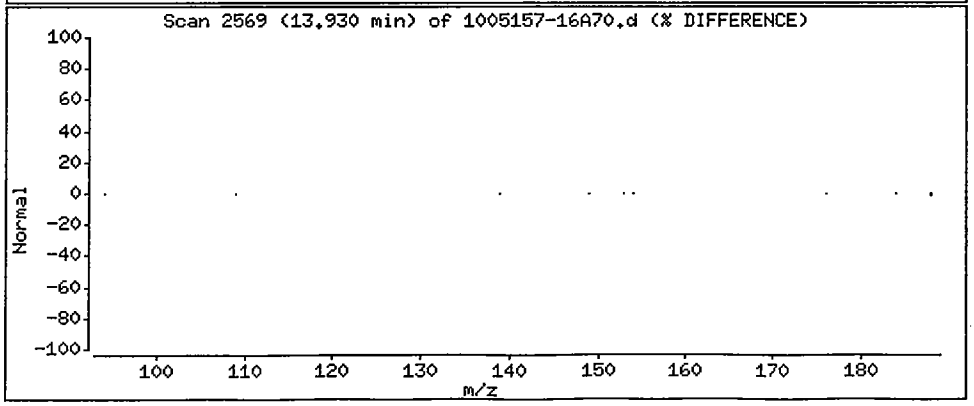












Data File: /chem/5972hp70.i/DS100702A70.b/1005157-16A70.d

Date : 02-JUL-2010 16:25

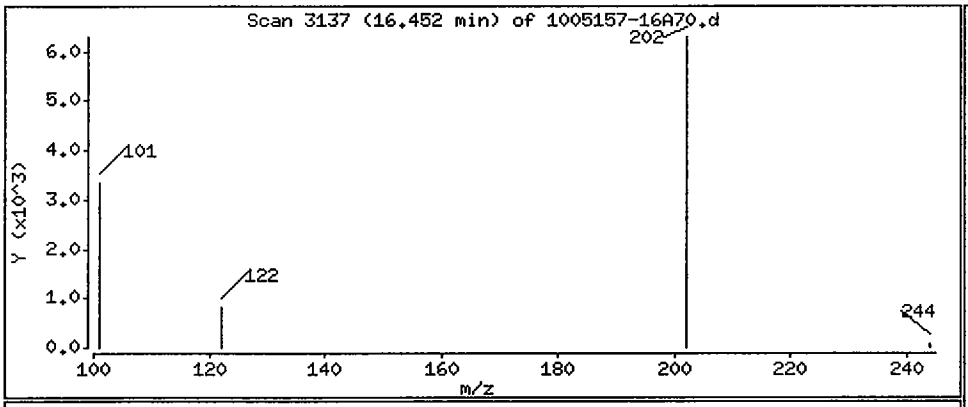
Client ID: SS82D-0-1 Instrument: 5972hp70.i

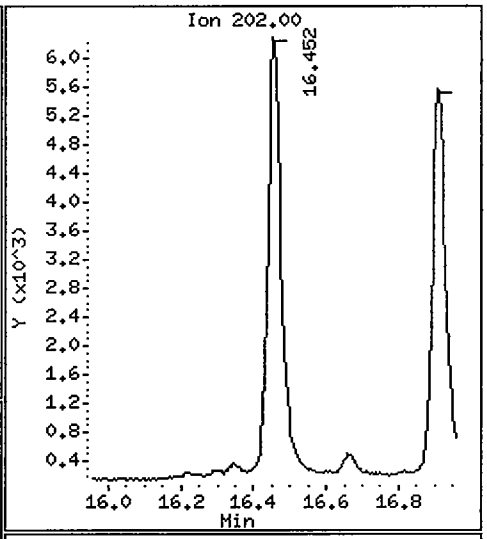
Sample Info: 1005157-16:MW

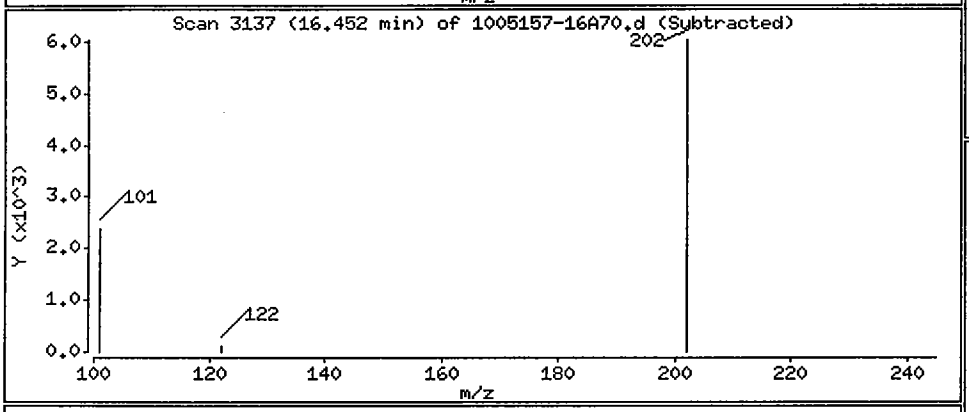
Volume Injected (uL): 2.0 Operator: OWS

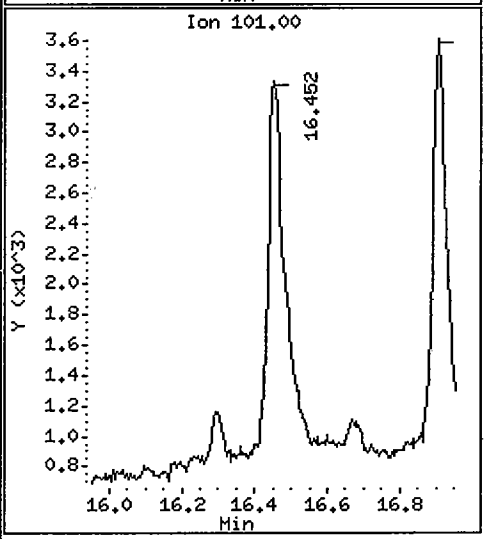
Column phase: Rtx-5MS Column diameter: 0.32

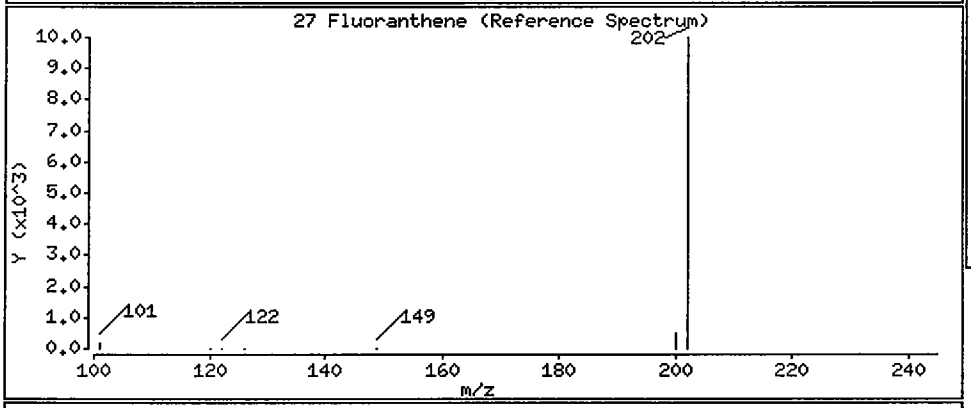
27 Fluoranthene Concentration: 4.0 ug/Kg

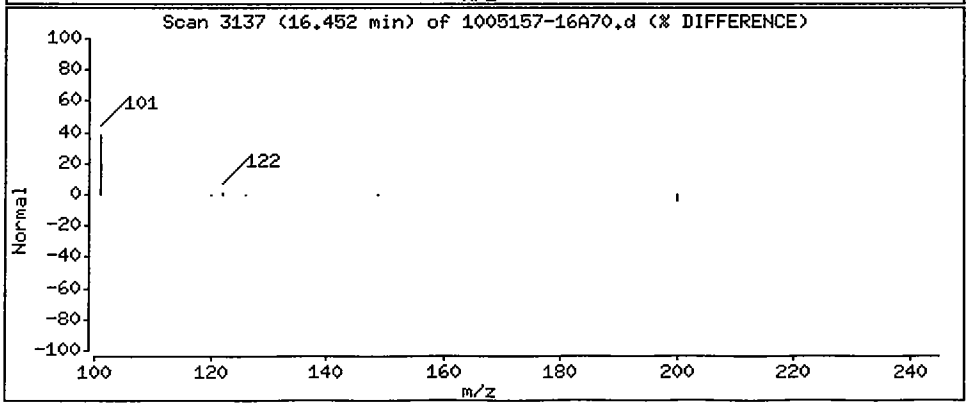












Data File: /chem/5972hp70.i/DS100702A70.b/1005157-16A70.d

Date : 02-JUL-2010 16:25

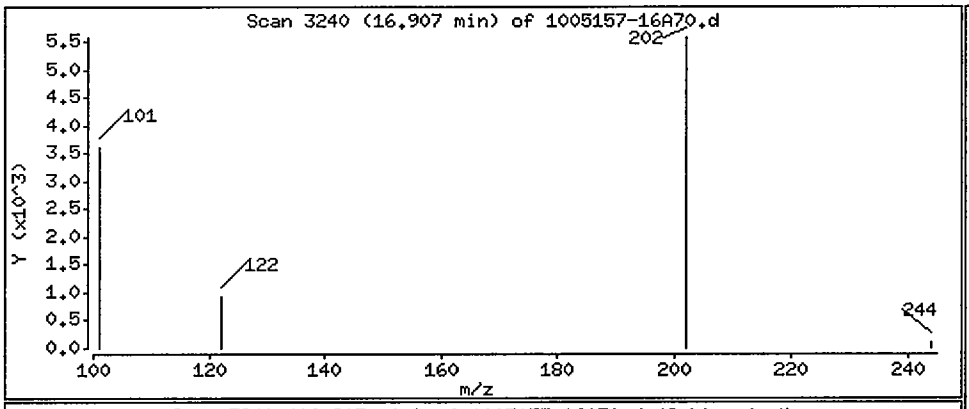
Client ID: SS82D-0-1 Instrument: 5972hp70.i

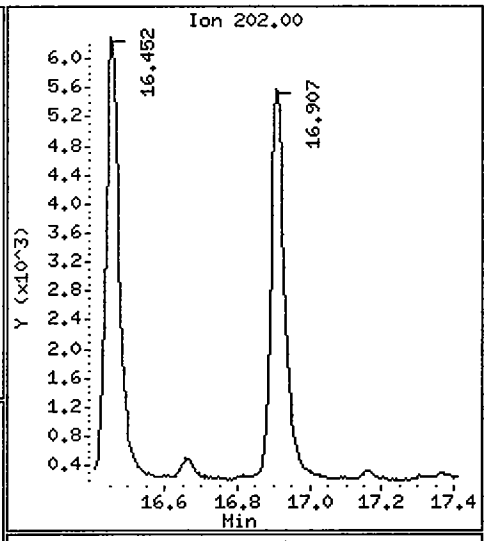
Sample Info: 1005157-16:MW

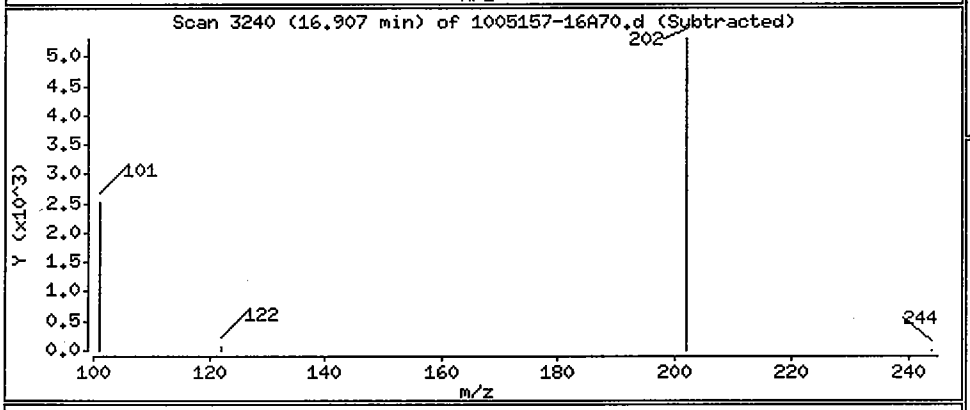
Volume Injected (uL): 2.0 Operator: OWS

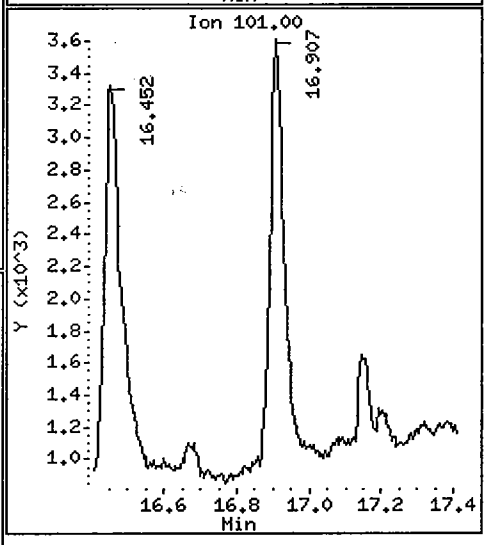
Column phase: Rtx-5MS Column diameter: 0.32

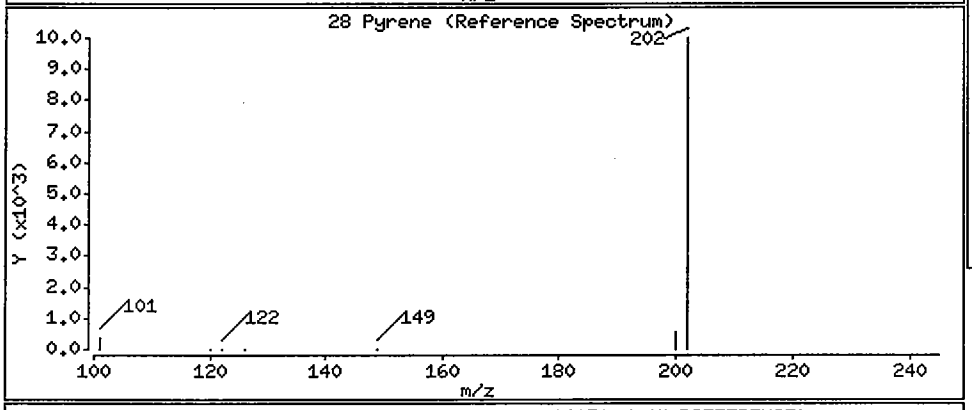
28 Pyrene Concentration: 3.4 ug/Kg

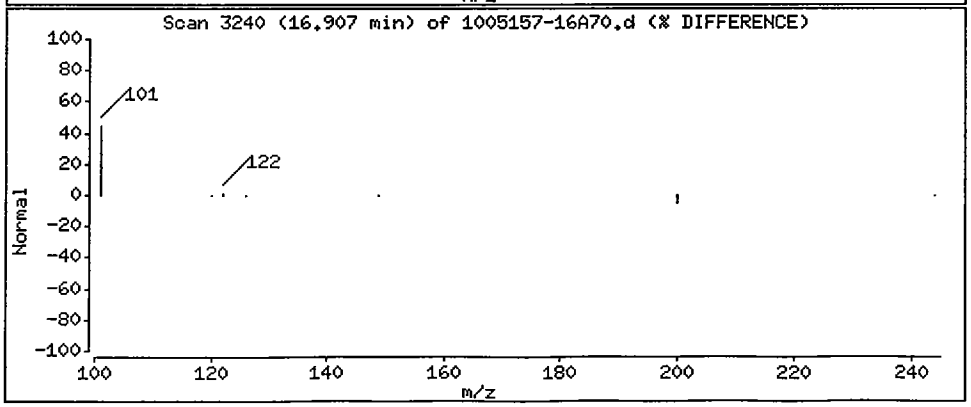












Data File: /chem/5972hp70.i/DS100702A70.b/1005157-16A70.d

Date : 02-JUL-2010 16:25

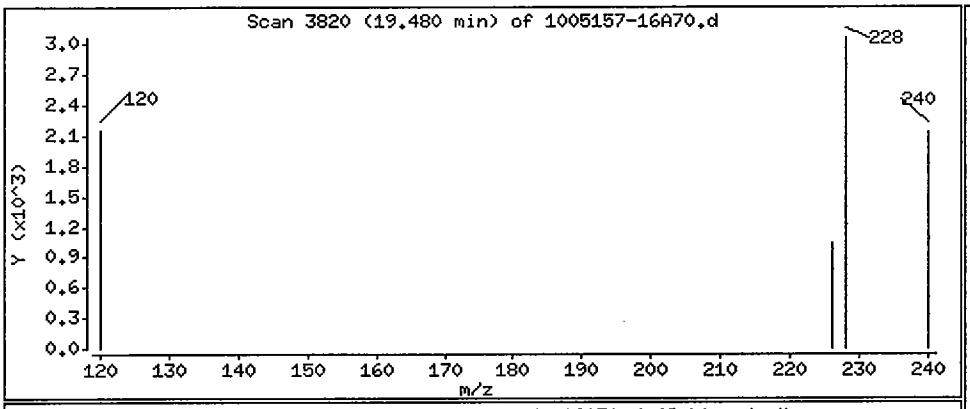
Client ID: SS82D-0-1 Instrument: 5972hp70.i

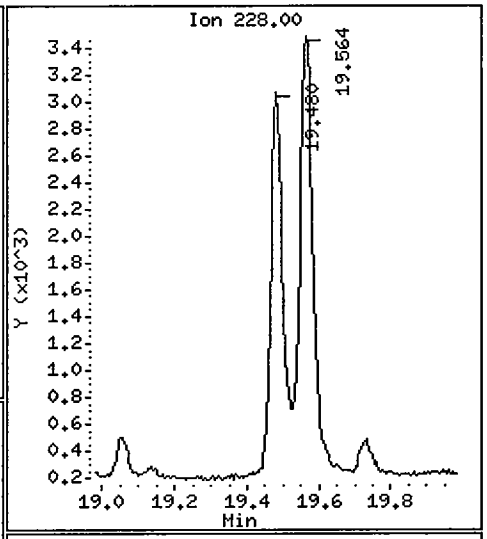
Sample Info: 1005157-16:MW

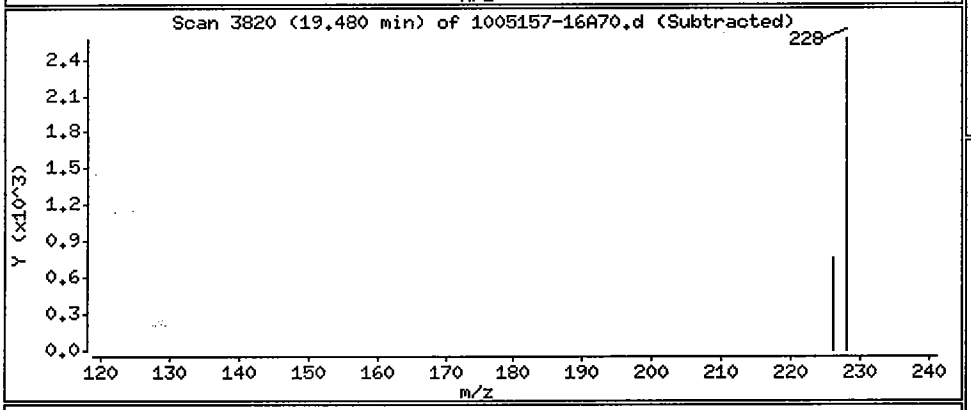
Volume Injected (uL): 2.0 Operator: OWS

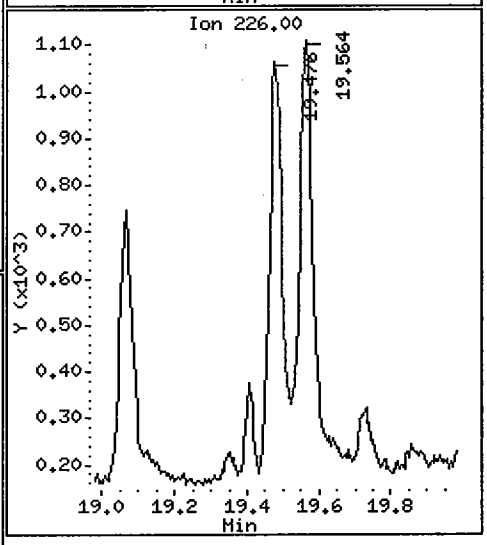
Column phase: Rtx-5MS Column diameter: 0.32

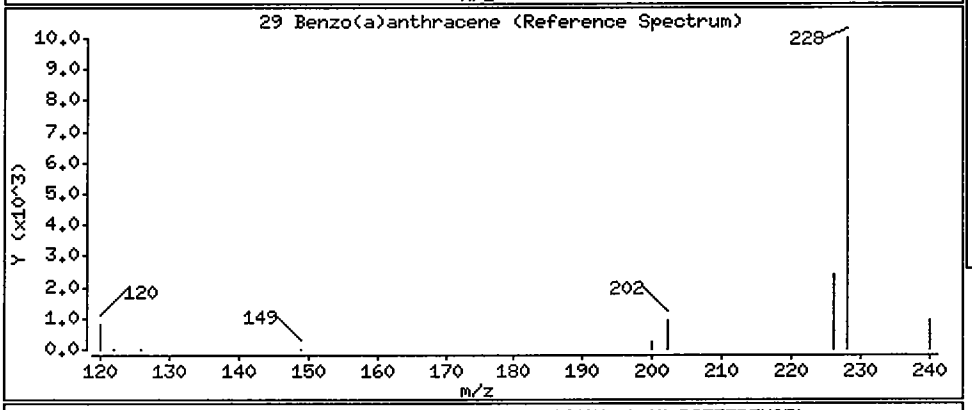
29 Benzo(a)anthracene Concentration: 2.1 ug/Kg

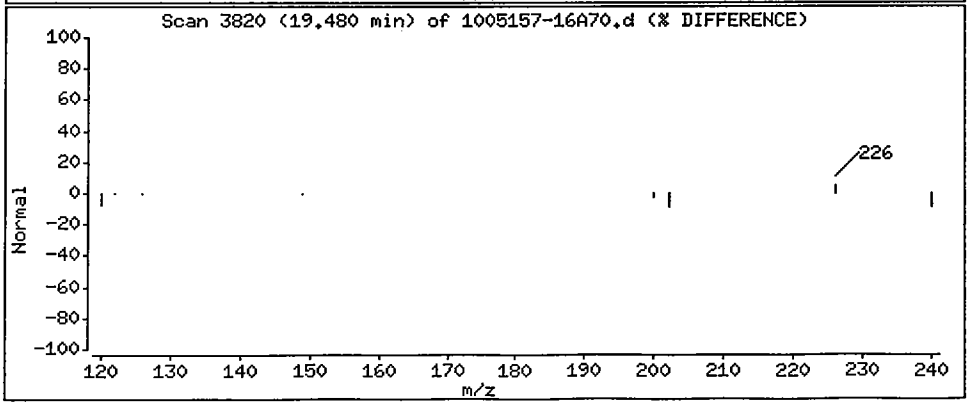












Data File: /chem/5972hp70.i/DS100702A70.b/1005157-16A70.d

Date : 02-JUL-2010 16:25

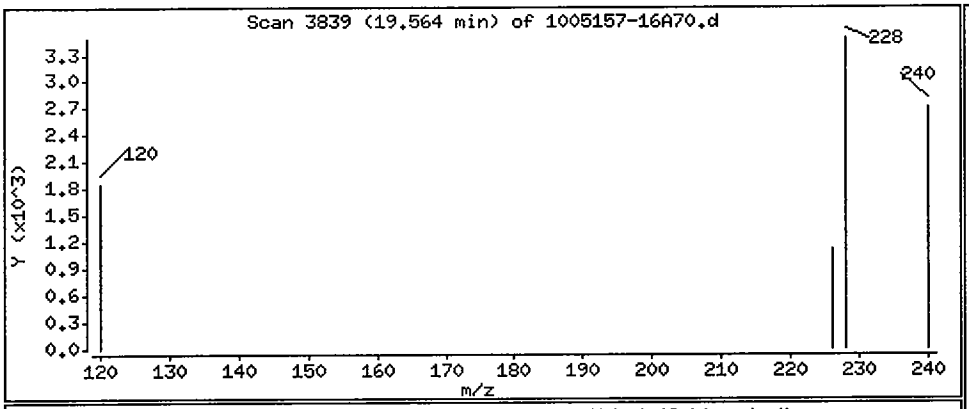
Client ID: SS82D-0-1 Instrument: 5972hp70.i

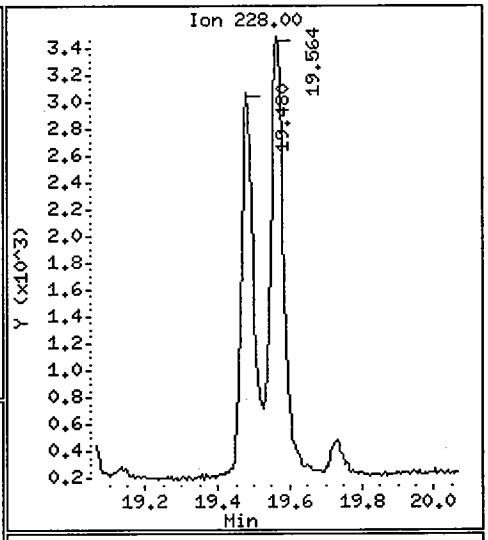
Sample Info: 1005157-16:MW

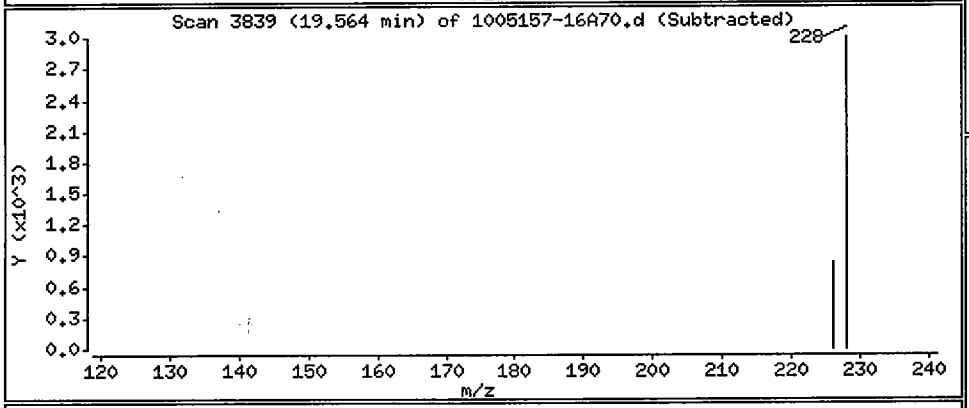
Volume Injected (uL): 2.0 Operator: OWS

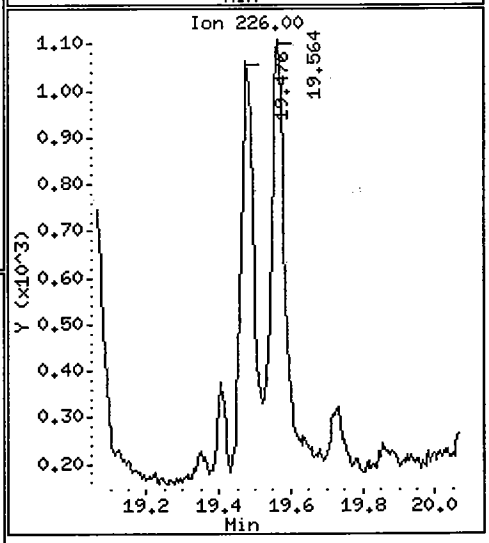
Column phase: Rtx-5MS Column diameter: 0.32

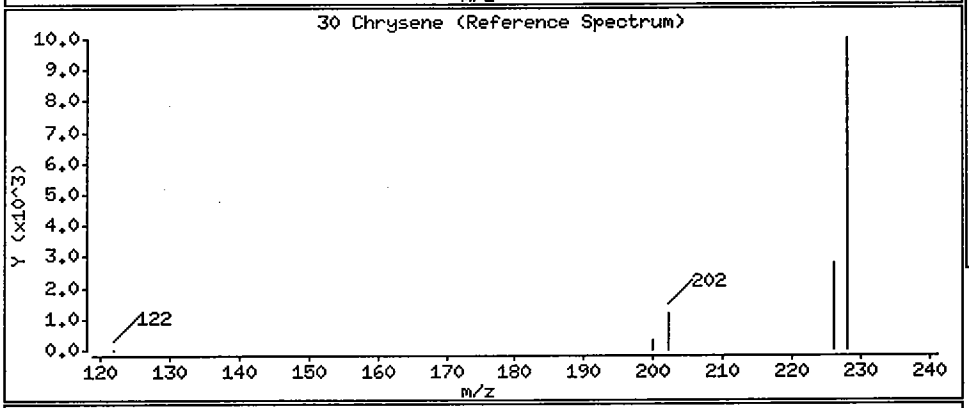
30 Chrysene Concentration: 2.3 ug/Kg

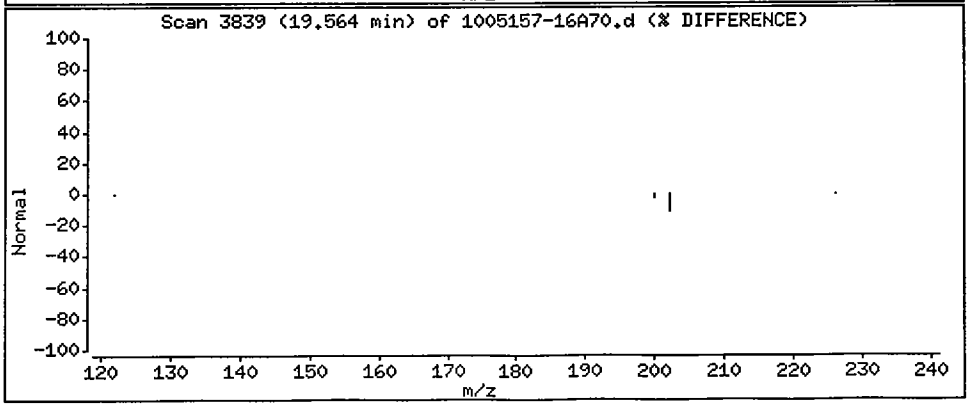












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SS90-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/19/10

Lab Sample ID: 1005157-04
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005157-04B70
Analyst: TD

% Moisture: 5 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

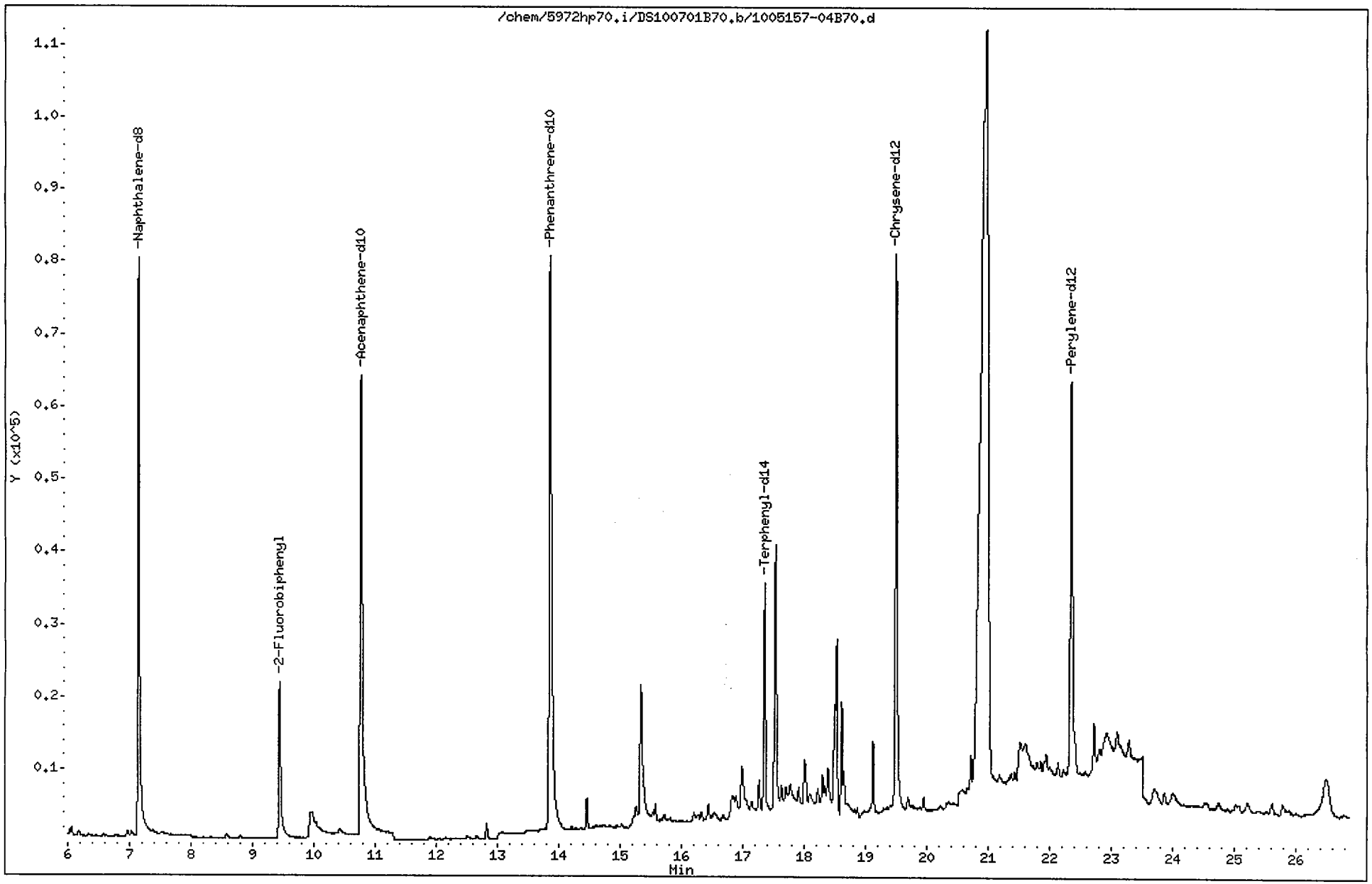
Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.75	8.7	ND	U
91-57-6	2-Methylnaphthalene	0.72	8.7	ND	U
208-96-8	Acenaphthylene	0.56	8.7	ND	U
83-32-9	Acenaphthene	0.63	8.7	ND	U
86-73-7	Fluorene	0.47	8.7	ND	U
85-01-8	Phenanthrene	1.4	8.7	ND	U
120-12-7	Anthracene	0.46	8.7	ND	U
206-44-0	Fluoranthene	1.4	8.7	ND	U
129-00-0	Pyrene	0.60	8.7	ND	U
56-55-3	Benzo(a)anthracene	0.60	8.7	ND	U
218-01-9	Chrysene	0.67	8.7	ND	U
205-99-2	Benzo(b)fluoranthene	0.60	8.7	ND	U
207-08-9	Benzo(k)fluoranthene	0.46	8.7	ND	U
50-32-8	Benzo(a)pyrene	0.40	8.7	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.39	8.7	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.35	8.7	ND	U
191-24-2	Benzo(g,h,i)perylene	0.40	8.7	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp70.i/DS100701B70.b/1005157-04B70.d
Date : 02-JUL-2010 08:29
Client ID: SS90-0-1
Sample Info: 1005157-04:TD
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: TD
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701B70.b/1005157-04B70.d
Report Date: 06-Jul-2010 16:23

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701B70.b/1005157-04B70.d
Lab Smp Id: 1005157-04 Client Smp ID: SS90-0-1
Inj Date : 02-JUL-2010 08:29
Operator : TD Inst ID: 5972hp70.i
Smp Info : 1005157-04:TD
Misc Info : SS90-0-1
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701B70.b/SIM_8270Cv3DOD.m
Meth Date : 06-Jul-2010 15:50 mead Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	5.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)	
* 1 1,4-Dichlorobenzene-d4	152	4.845	4.848	(1.000)	38185	2.00000		(a)
* 2 Naphthalene-d8	136	7.146	7.162	(1.000)	148400	2.00000		(a)
* 3 Acenaphthene-d10	164	10.770	10.784	(1.000)	87572	2.00000		(a)
* 4 Phenanthrene-d10	188	13.863	13.872	(1.000)	172527	2.00000		(a)
* 5 Chrysene-d12	240	19.494	19.499	(1.000)	126739	2.00000		(a)
* 6 Perylene-d12	264	22.344	22.344	(1.000)	114580	2.00000		(a)
$ 9 Nitrobenzene-d5	82	5.873	5.880	(0.822)	31433	0.65454	11	
$ 10 2-Fluorobiphenyl	172	9.433	9.460	(0.876)	39706	0.65789	12	
$ 12 Terphenyl-d14	244	17.349	17.362	(0.890)	44592	0.98844	17	
13 Naphthalene	128	Compound Not Detected.						
15 2-Methylnaphthalene	141	Compound Not Detected.						
17 Acenaphthylene	152	Compound Not Detected.						
18 Acenaphthene	154	Compound Not Detected.						

pm 7/6/10

Data File: /chem/5972hp70.i/DS100701B70.b/1005157-04B70.d
Report Date: 06-Jul-2010 16:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

3. Standards Data

a. Initial Calibration Data (Form VI SV)

b. Continuing Calibration Data (Form VII SV)

a. Initial Calibration Data (Form VI SV)

If more than one instrument is used, forms shall be arranged in order by instrument. Multiple initial calibrations from the same instrument shall be in chronological order. Within each initial calibration, the standards are in order by level, from lowest to highest.

(1) Chromatograms and quantitation reports for the initial (five-point) calibration.
Spectra not required.

(2) EICPs displaying each manual integration.

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Instrument ID: 5972HP70 Calibration Date(s): 06/30/10 06/30/10

Column: RTX-5MS ID: 0.32 (mm) Calibration Time(s): 1311 1533

LAB FILE ID: RF0.4: 0F30008-CALRF1.2: 0F30008-CALRF3: 0F30008-CAL3A
RF5: 0F30008-CAL4ARF10: 0F30008-CAL5

COMPOUND	RF0.4	RF1.2	RF3	RF5	RF10
Naphthalene	1.263	1.313	1.270	1.277	1.262
2-Methylnaphthalene	0.513	0.617	0.638	0.604	0.638
Acenaphthylene	1.677	1.859	1.926	1.944	2.029
Acenaphthene	1.167	1.214	1.196	1.207	1.203
Fluorene	1.331	1.562	1.565	1.524	1.539
Phenanthrene	1.105	1.125	1.080	1.084	1.063
Anthracene	0.900	1.012	1.033	1.026	1.038
Fluoranthene	0.977	1.072	1.100	1.055	1.155
Pyrene	1.348	1.438	1.475	1.494	1.471
Benzo(a)anthracene	0.884	1.044	1.097	1.068	1.171
Chrysene	1.273	1.271	1.233	1.252	1.239
Benzo(b)fluoranthene	0.974	1.123	1.226	1.188	1.341
Benzo(k)fluoranthene	1.413	1.433	1.448	1.461	1.483
Benzo(a)pyrene	0.885	1.055	1.138	1.196	1.254
Indeno(1,2,3-cd)pyrene	6977	58182	166154	155905	477815
Dibenzo(a,h)anthracene	0.793	0.898	0.979	1.120	1.098
Benzo(g,h,i)perylene	0.938	1.026	1.062	1.248	1.128
Nitrobenzene-d5	0.520	0.623	0.658	0.709	0.726
2-Fluorobiphenyl	1.266	1.407	1.398	1.399	1.422
Terphenyl-d14	0.703	0.714	0.728	0.681	0.734

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

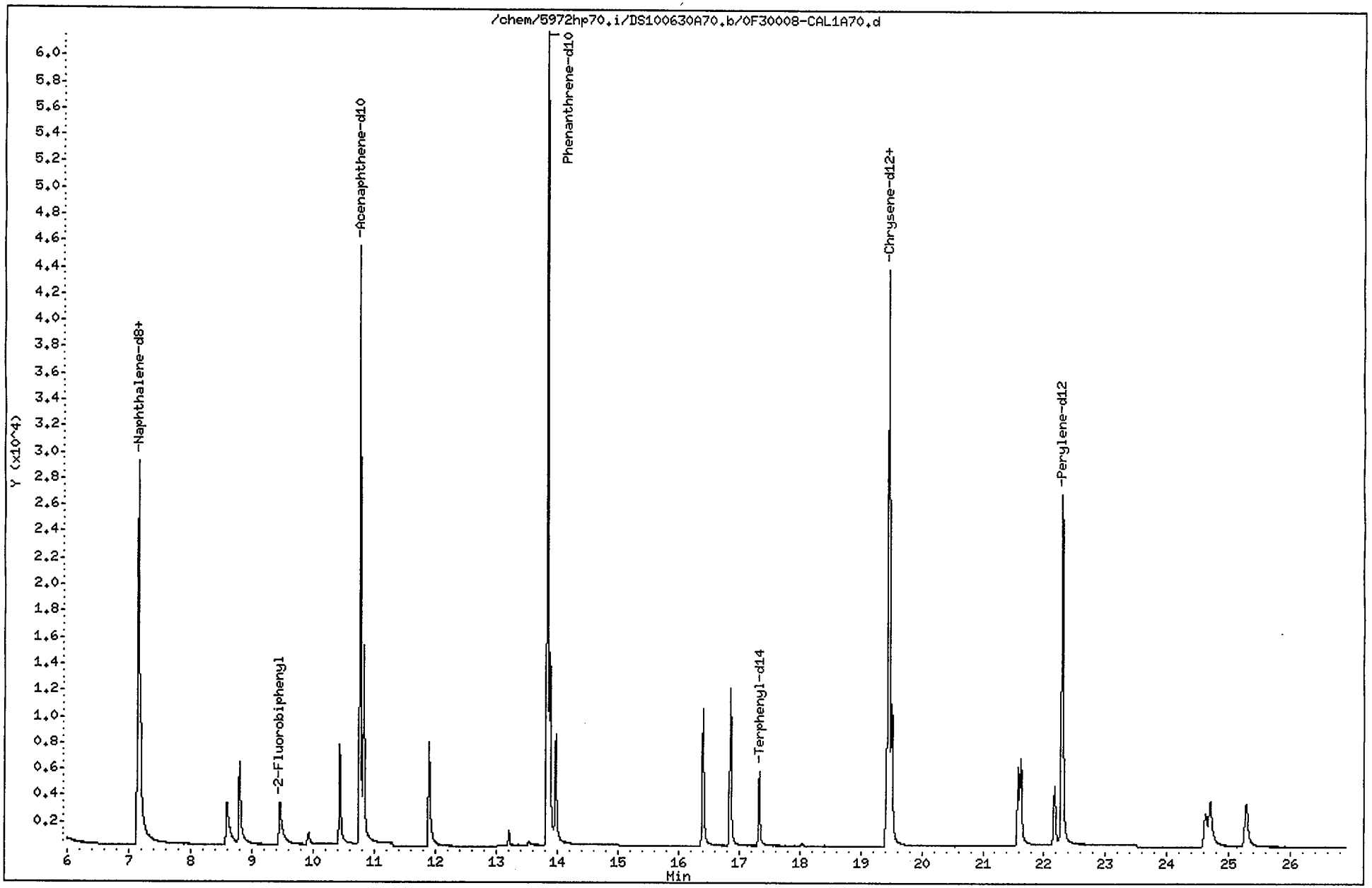
Instrument ID: 5972HP70 Calibration Date(s): 06/30/10 06/30/10

Column: RTX-5MS ID: 0.32 (mm) Calibration Time(s): 1311 1533

COMPOUND	CURVE	COEFFICENTS A0	COEFFICENTS A1	%RSD OR R^2	MAX %RSD OR R^2
Naphthalene	AVRG		1.27717478	1.628	15.000
2-Methylnaphthalene	AVRG		0.60191150	8.605	15.000
Acenaphthylene	AVRG		1.88689190	7.003	15.000
Acenaphthene	AVRG		1.19733480	1.517	30.000
Fluorene	AVRG		1.50425123	6.521	15.000
Phenanthrene	AVRG		1.09160974	2.220	15.000
Anthracene	AVRG		1.00167576	5.775	15.000
Fluoranthene	AVRG		1.07189825	6.072	30.000
Pyrene	AVRG		1.44535620	3.992	15.000
Benzo(a)anthracene	AVRG		1.05306053	10.032	15.000
Chrysene	AVRG		1.25362040	1.420	15.000
Benzo(b)fluoranthene	AVRG		1.17038559	11.560	15.000
Benzo(k)fluoranthene	AVRG		1.44760404	1.838	15.000
Benzo(a)pyrene	AVRG		1.10552810	12.979	30.000
Indeno(1,2,3-cd)pyrene	LINR	0.11301902	0.95056879	0.9992968	0.9950000
Dibenzo(a,h)anthracene	AVRG		0.97765934	14.014	15.000
Benzo(g,h,i)perylene	AVRG		1.08066444	10.753	15.000
Nitrobenzene-d5	AVRG		0.64720955	12.626	15.000
2-Fluorobiphenyl	AVRG		1.37837008	4.622	15.000
Terphenyl-d14	AVRG		0.71191384	3.000	15.000

Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL1A70.d
Date : 30-JUN-2010 13:11
Client ID: SSTD0.4Z4
Sample Info: SSTD0.4Z4:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL1A70.d
Report Date: 01-Jul-2010 13:45

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630A70.b/0F30008-CAL1A70.d
Lab Smp Id: 0F30008-CAL1 Client Smp ID: SSTD0.4Z4
Inj Date : 30-JUN-2010 13:11
Operator : MEW Inst ID: 5972hp70.i
Smp Info : SSTD0.4Z4:MEW
Misc Info : SSTD0.4Z4
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Meth Date : 01-Jul-2010 13:45 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 13:11 Cal File: 0F30008-CAL1A70.d
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.837	4.822	(1.000)	15129	2.00000	
* 2 Naphthalene-d8	136	7.145	7.129	(1.000)	59891	2.00000	
* 3 Acenaphthene-d10	164	10.763	10.757	(1.000)	38703	2.00000	
* 4 Phenanthrene-d10	188	13.837	13.829	(1.000)	81902	2.00000	
* 5 Chrysene-d12	240	19.454	19.454	(1.000)	63332	2.00000	
* 6 Perylene-d12	264	22.283	22.287	(1.000)	51238	2.00000	
$ 9 Nitrobenzene-d5	82	5.940	5.849	(0.831)	6234	0.40000	0.40 (M)
$ 10 2-Fluorobiphenyl	172	9.455	9.428	(0.878)	9797	0.40000	0.40
$ 12 Terphenyl-d14	244	17.335	17.326	(0.891)	8900	0.40000	0.40
13 Naphthalene	128	7.176	7.160	(1.004)	15134	0.40000	0.40
15 2-Methylnaphthalene	141	8.595	8.564	(1.203)	6144	0.40000	0.40
17 Acenaphthylene	152	10.435	10.415	(0.969)	12980	0.40000	0.40
18 Acenaphthene	154	10.829	10.816	(1.006)	9034	0.40000	0.40
21 Fluorene	166	11.897	11.879	(1.105)	10306	0.40000	0.40
25 Phenanthrene	178	13.881	13.873	(1.003)	18106	0.40000	0.40

2 07/1/10

7/1/10

Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL1A70.d
Report Date: 01-Jul-2010 13:45

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	13.974	13.966	(1.010)	14736	0.40000	0.40
27 Fluoranthene	202	16.404	16.399	(1.185)	16007	0.40000	0.40
28 Pyrene	202	16.858	16.854	(0.867)	17081	0.40000	0.40
29 Benzo(a)anthracene	228	19.418	19.419	(0.998)	11203	0.40000	0.40
30 Chrysene	228	19.507	19.507	(1.003)	16121	0.40000	0.40
31 Benzo(b)fluoranthene	252	21.572	21.577	(0.968)	9986	0.40000	0.40
32 Benzo(k)fluoranthene	252	21.617	21.621	(0.970)	14480	0.40000	0.40
33 Benzo(a)pyrene	252	22.164	22.168	(0.995)	9070	0.40000	0.40
34 Indeno(1,2,3-cd)pyrene	276	24.618	24.626	(1.105)	6977	0.40000	0.40 (M)
35 Dibenzo(a,h)anthracene	278	24.693	24.697	(1.108)	8130	0.40000	0.40 (M)
36 Benzo(g,h,i)perylene	276	25.275	25.288	(1.134)	9615	0.40000	0.40

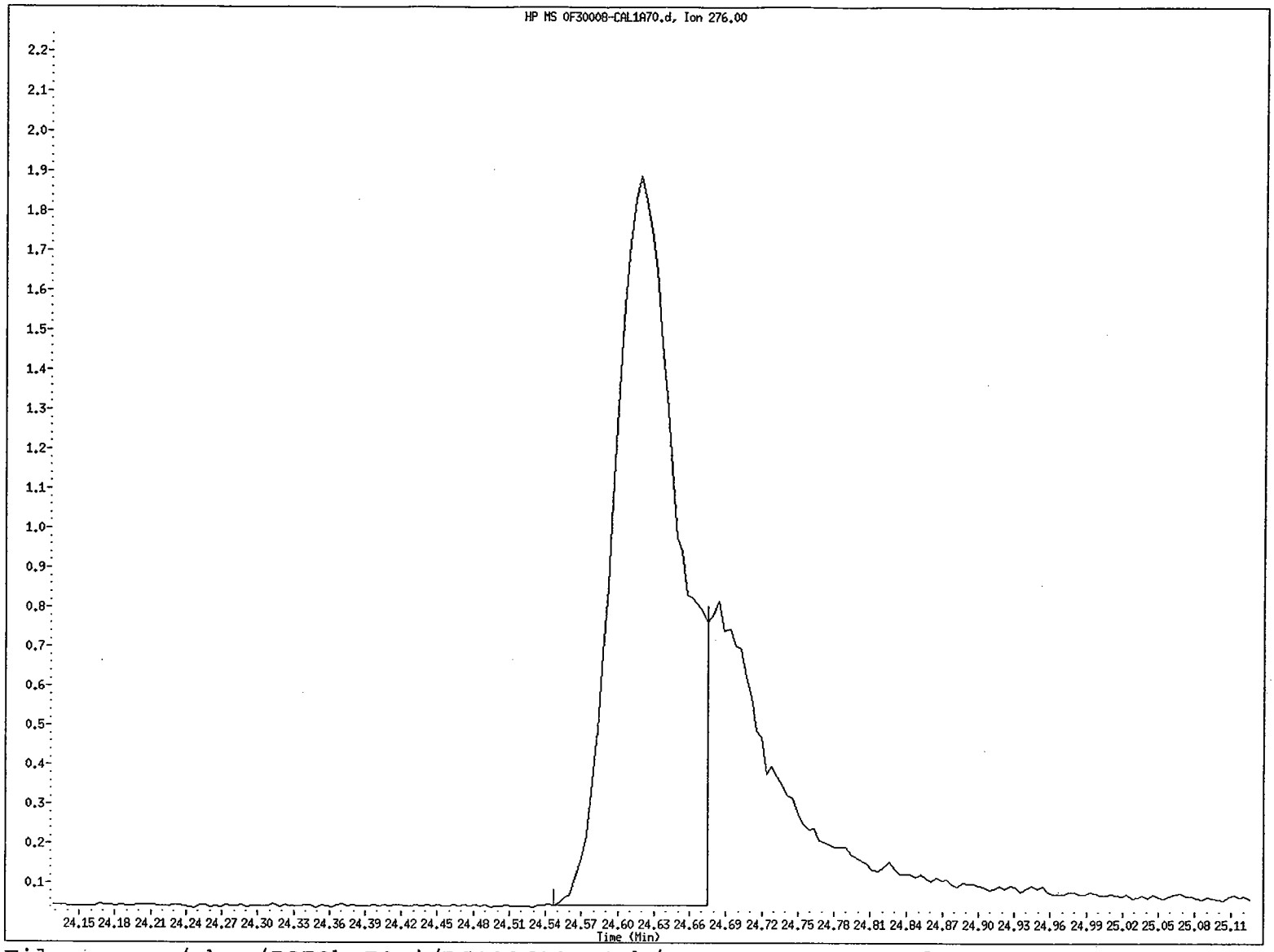
23.07 7/1/10

Rev 7/1/10

QC Flag Legend

M - Compound response manually integrated.

Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 6977 Manually integrated



File name: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL1A70.d
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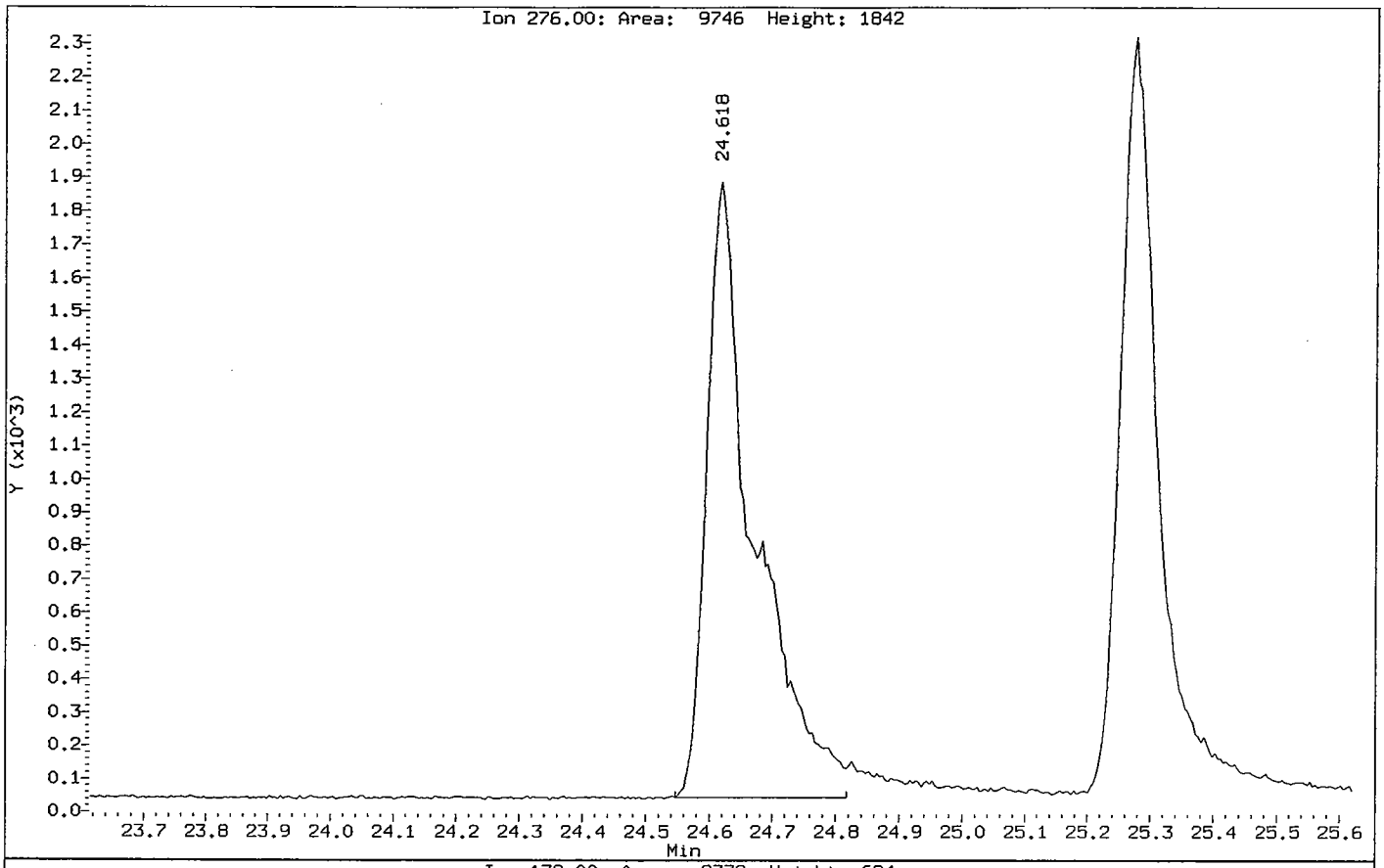
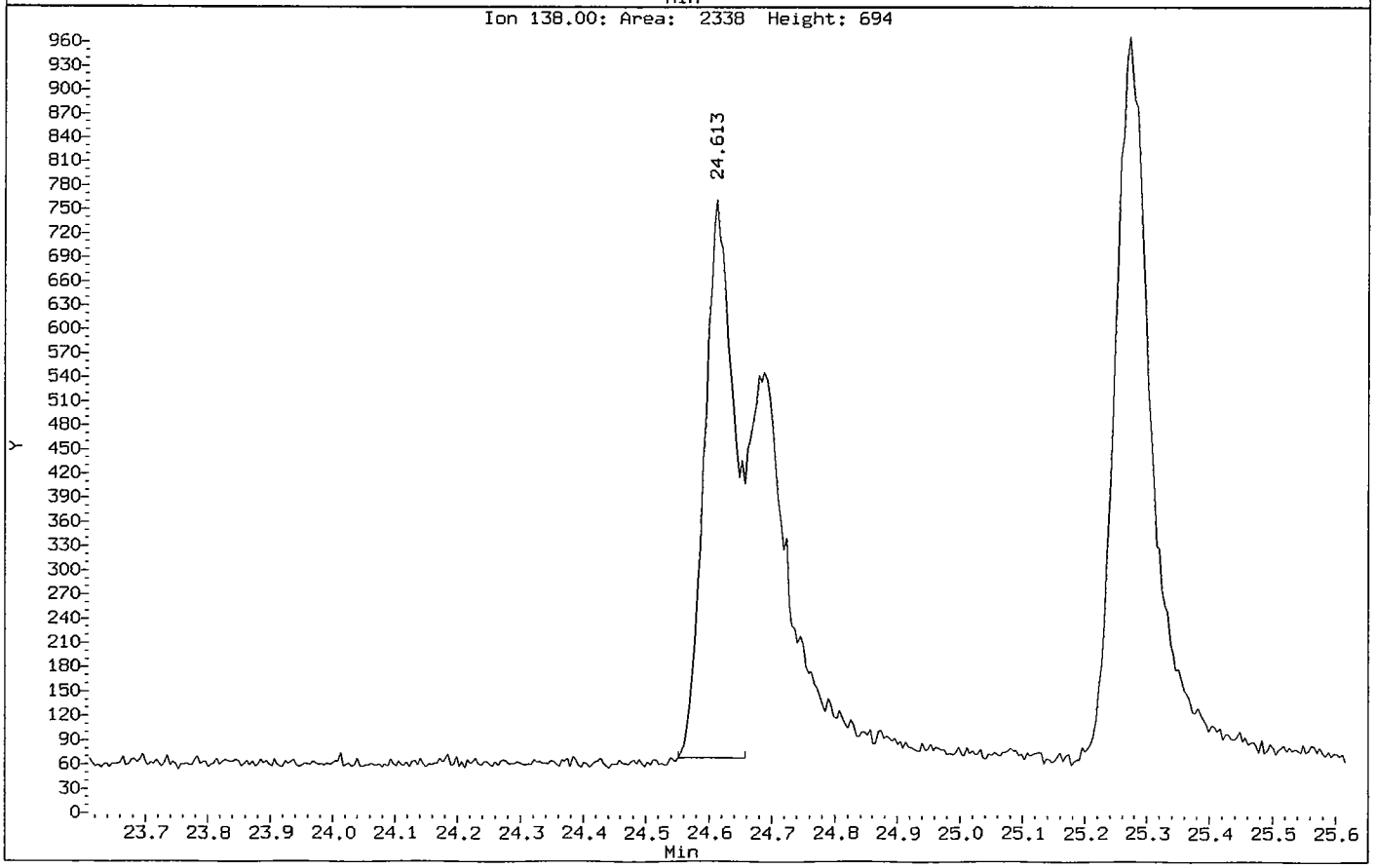
Instrument ID: 5972hp70.i
Injection Date and Time: 30-JUN-2010 13:11
Retention Time: 24.62
Operator ID: MEW

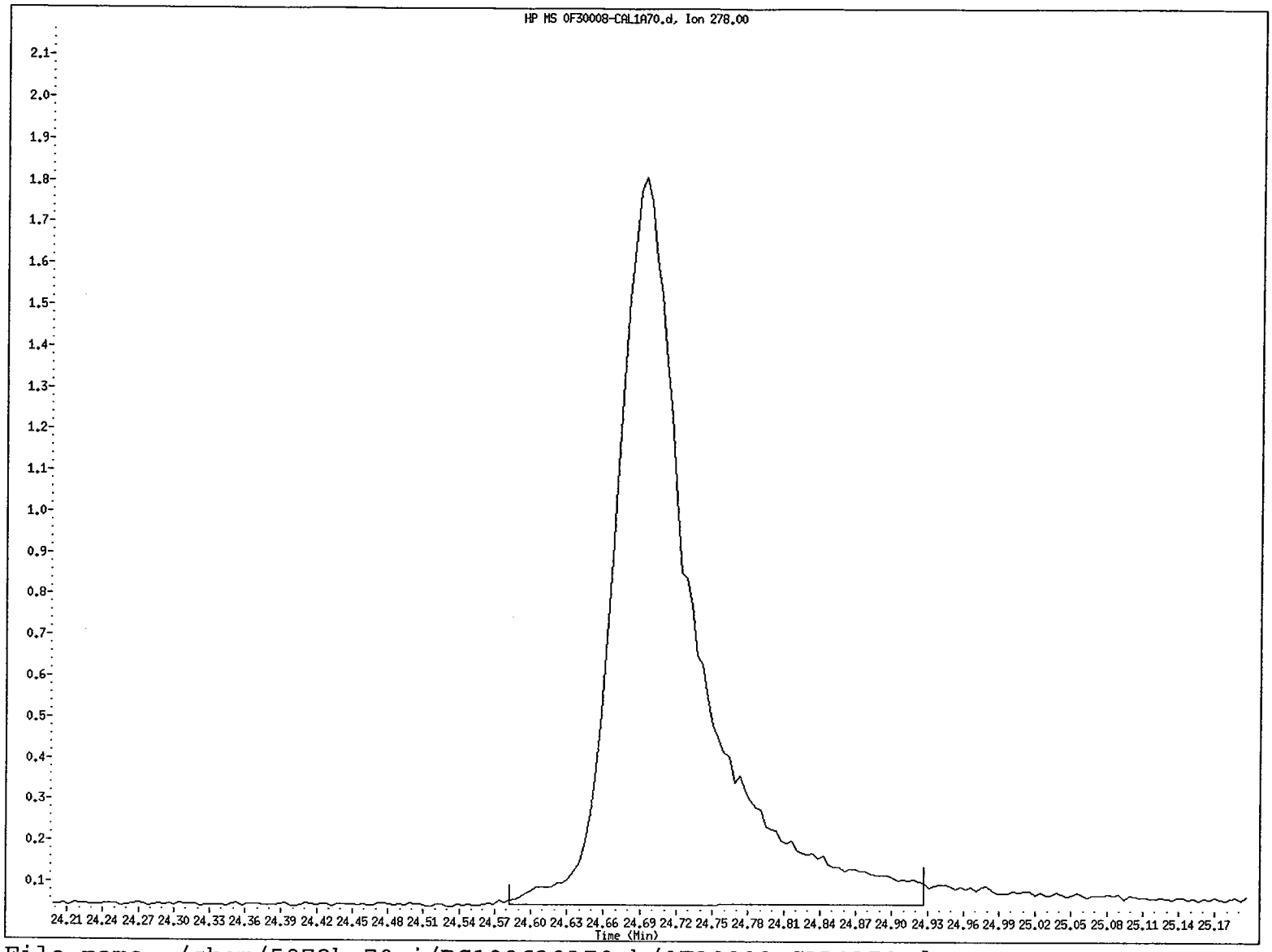
Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL1A70.d
Injection Date: 30-JUN-2010 13:11
Instrument: 5972hp70.i
Client Sample ID: SSTD0.4Z4

Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





Dibenzo(a,h)anthracene CAS Number 53-70-3 Area = 8130 Manually integrated



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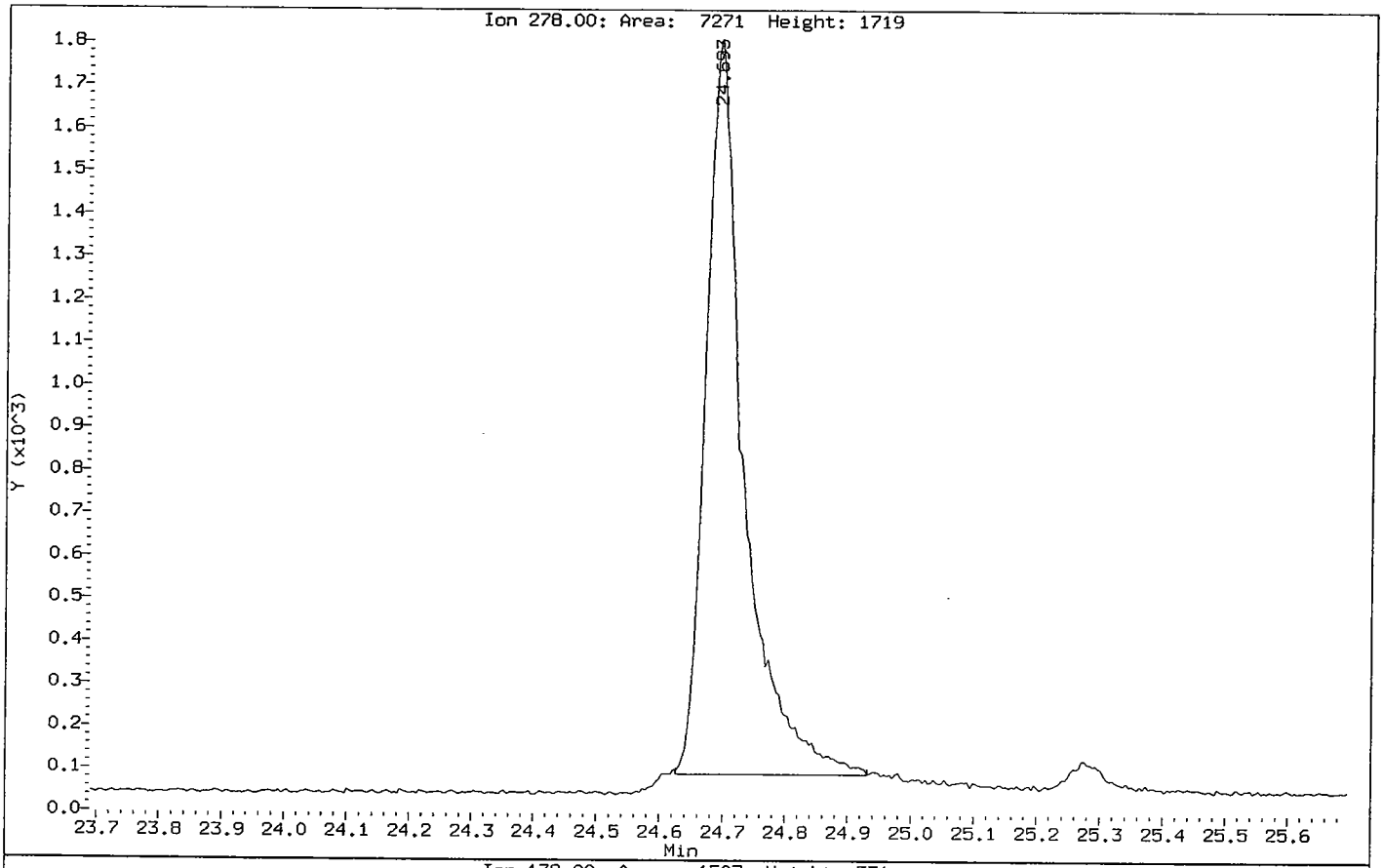
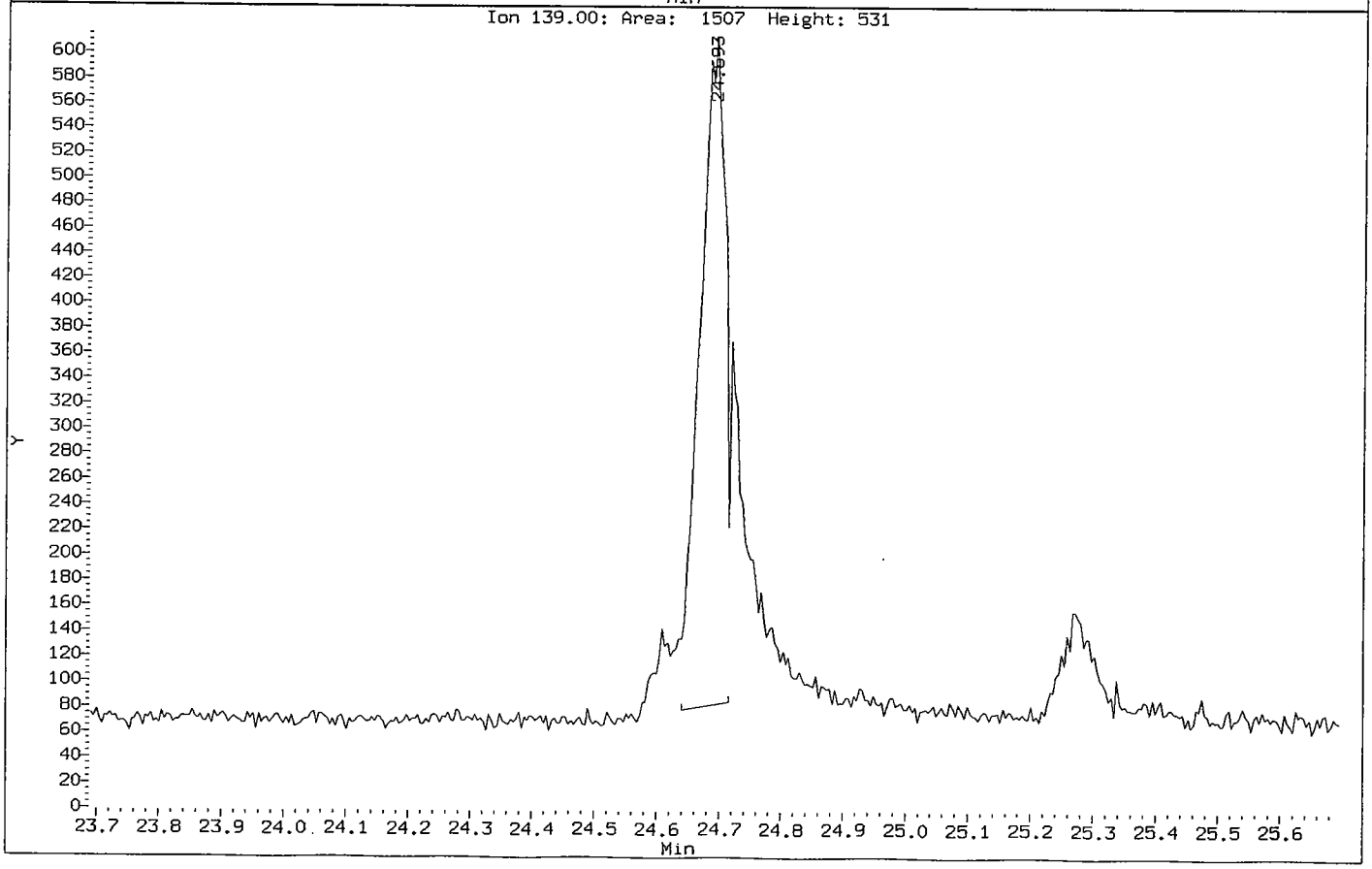
Client ID: SSTD0.4Z4
Instrument ID: 5972hp70.i
Injection Date and Time: 30-JUN-2010 13:11
Retention Time: 24.69
Operator ID: MEW

Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL1A70.d
Injection Date: 30-JUN-2010 13:11
Instrument: 5972hp70.i
Client Sample ID: SSTD0.4Z4

Compound: Dibenzo(a,h)anthracene
CAS Number: 53-70-3





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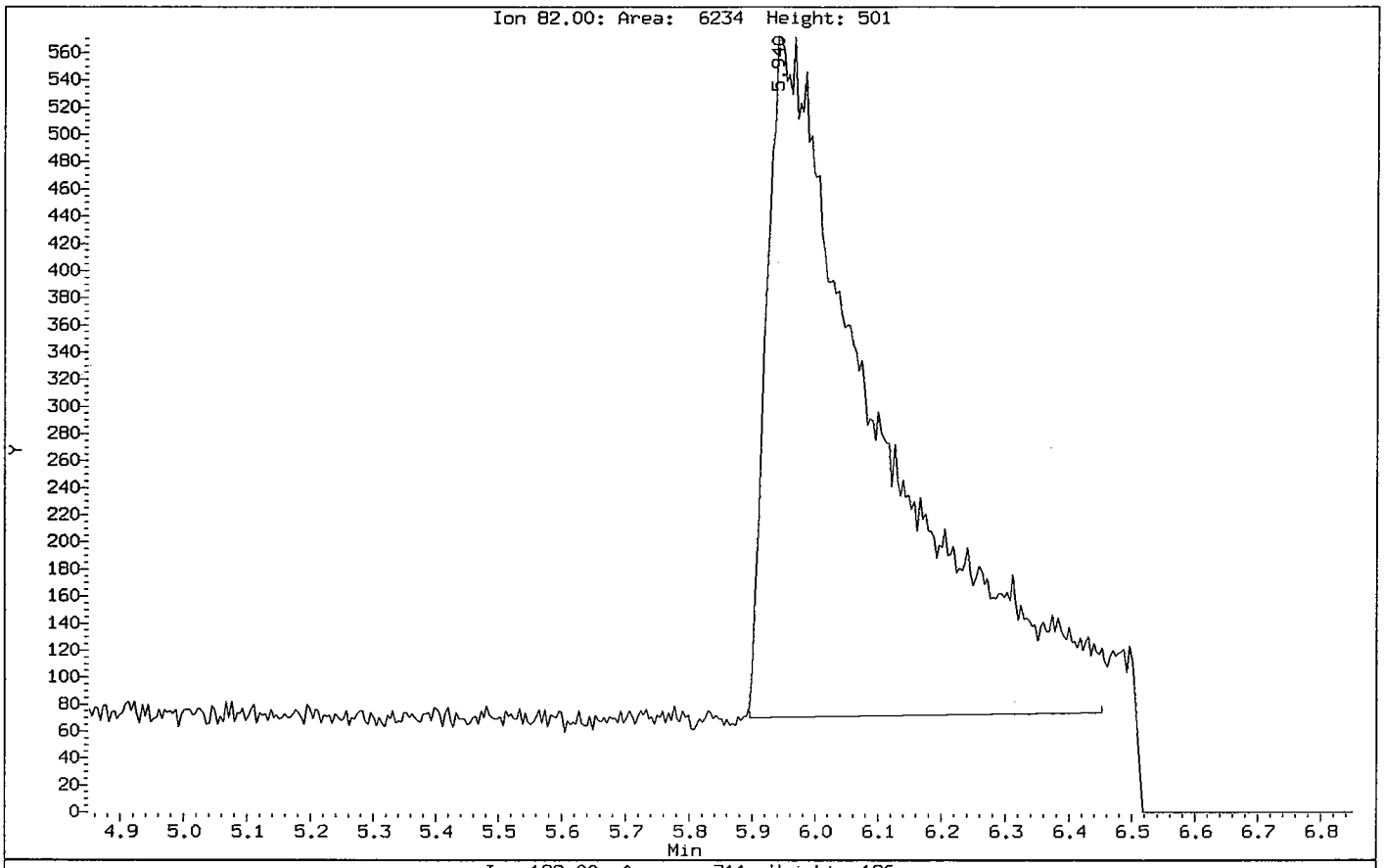
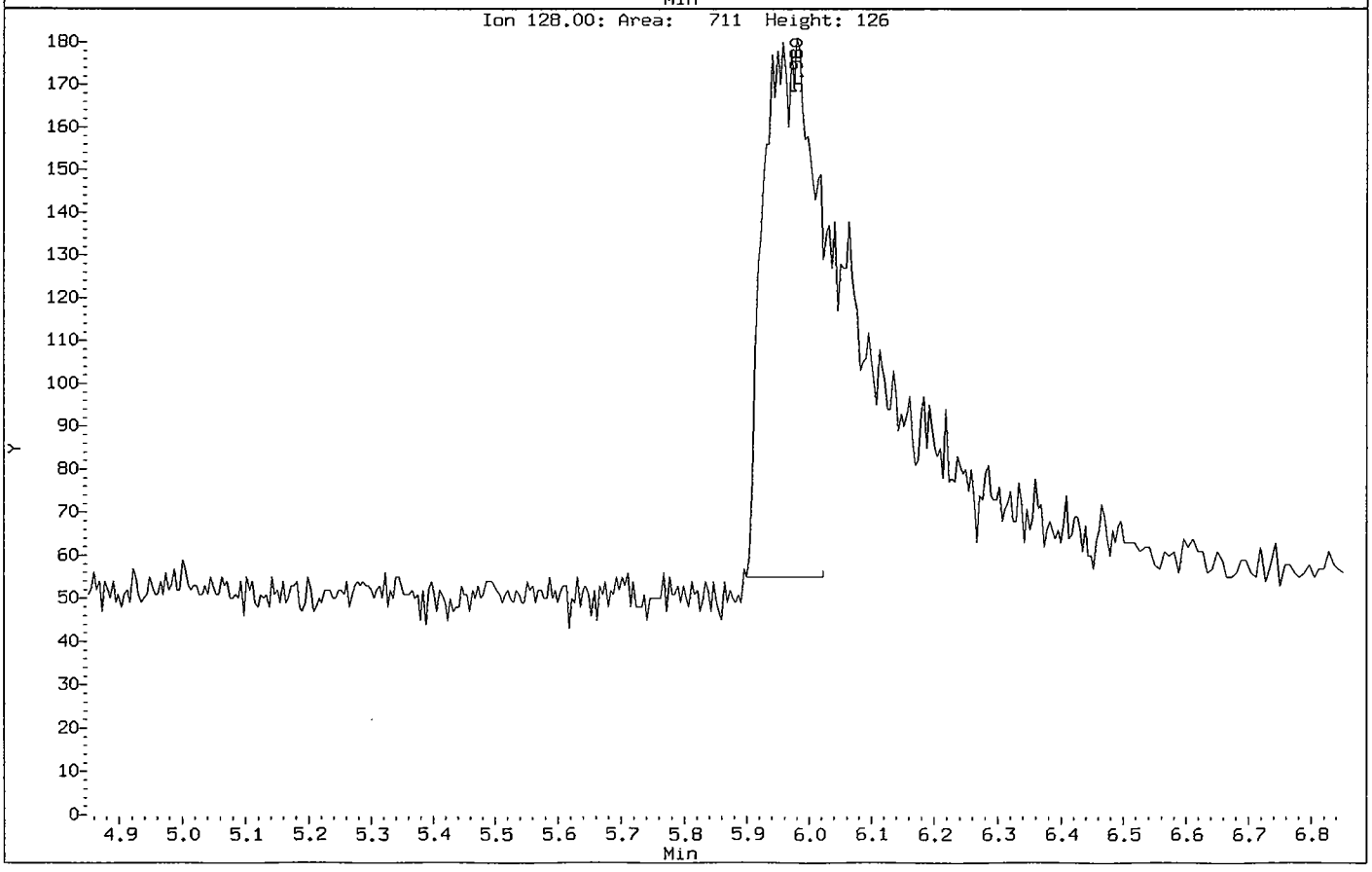
Injection Date: 30-JUN-2010 13:11
Instrument: 5972hp70.i
Client Sample ID: SSTD0.4Z4

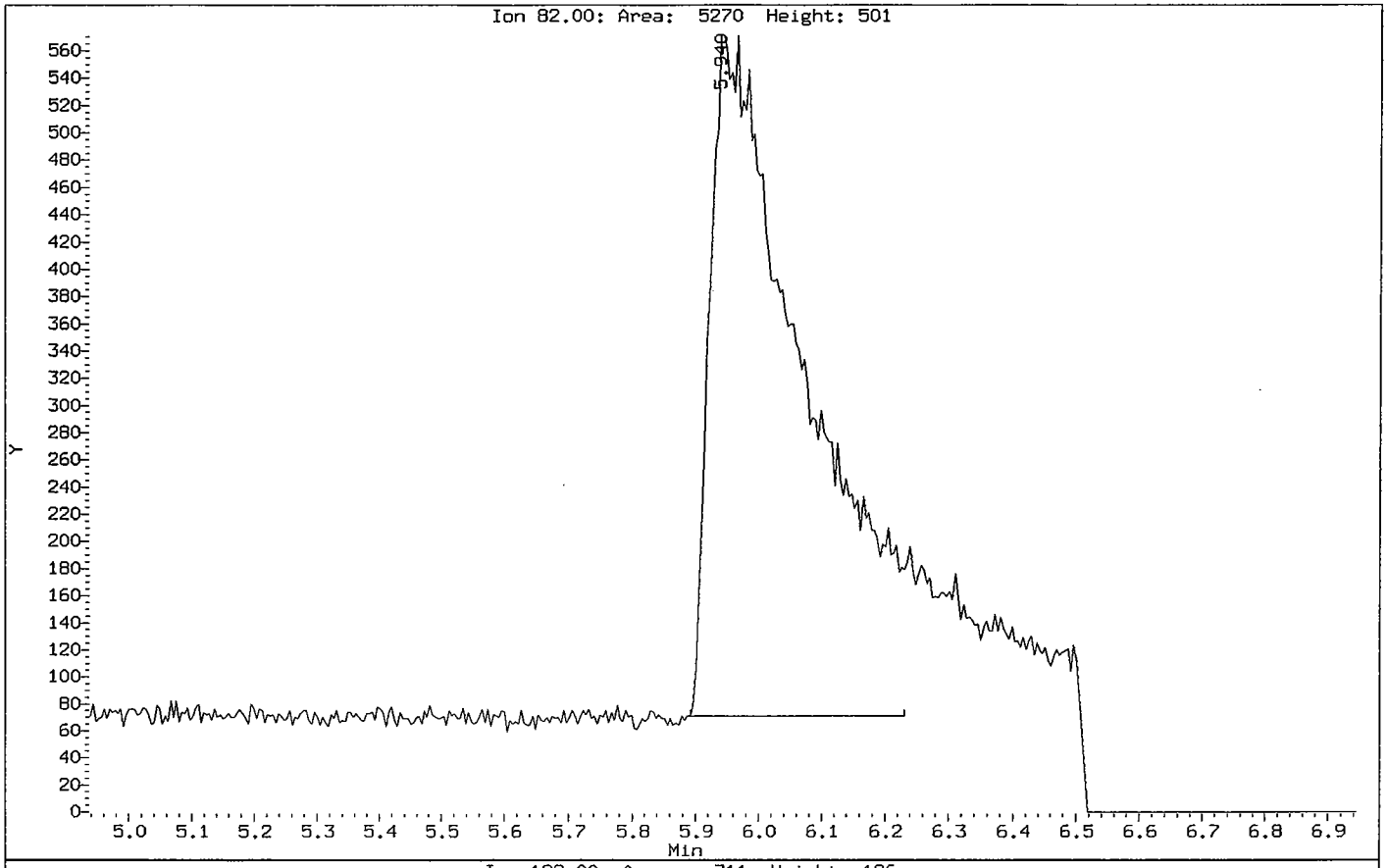
Compound: Nitrobenzene-d5
CAS Number: 4165-60-0

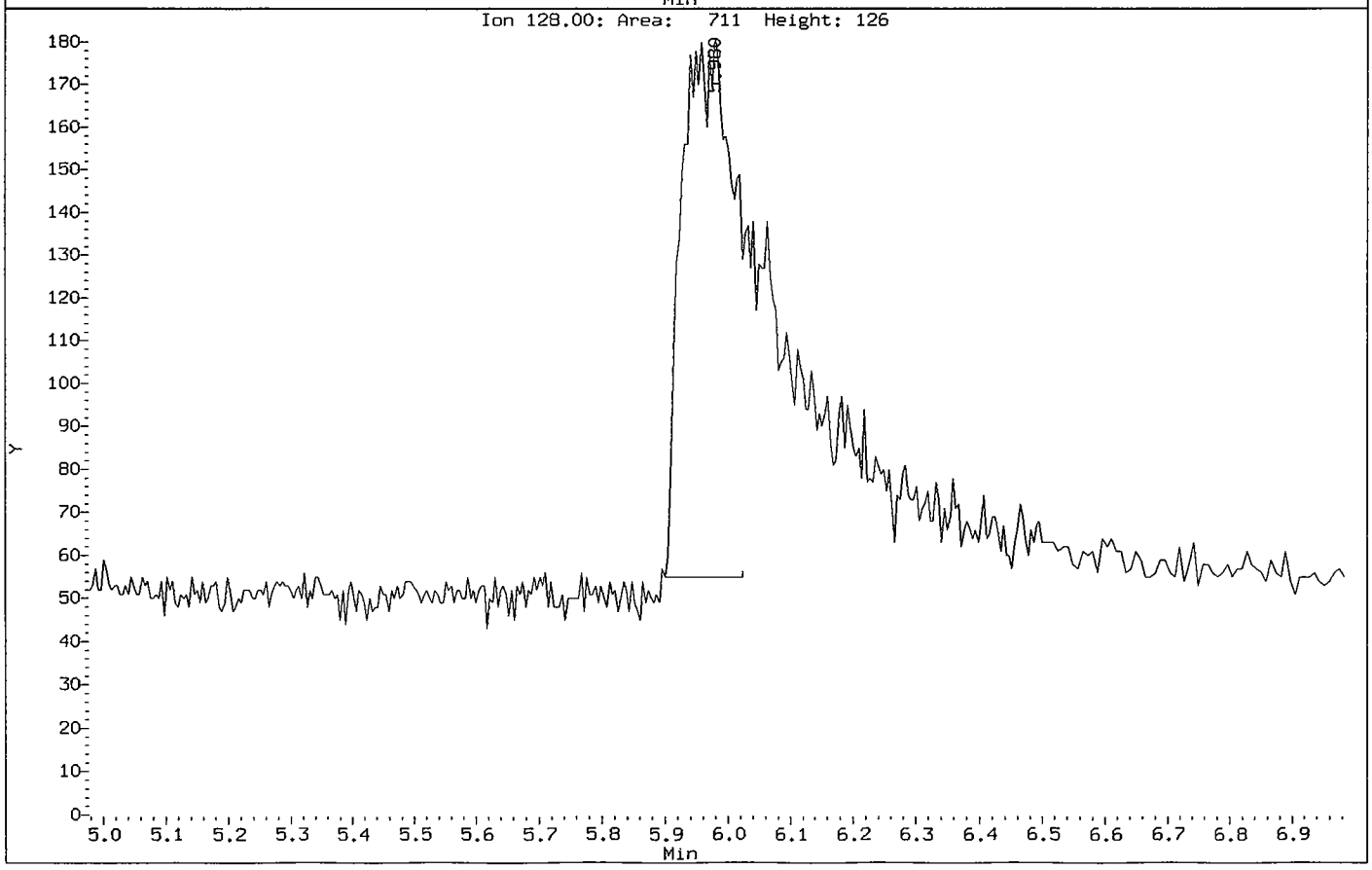




Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL1A70.d
Injection Date: 30-JUN-2010 13:11
Instrument: 5972hp70.i
Client Sample ID: SSTD0.4Z4

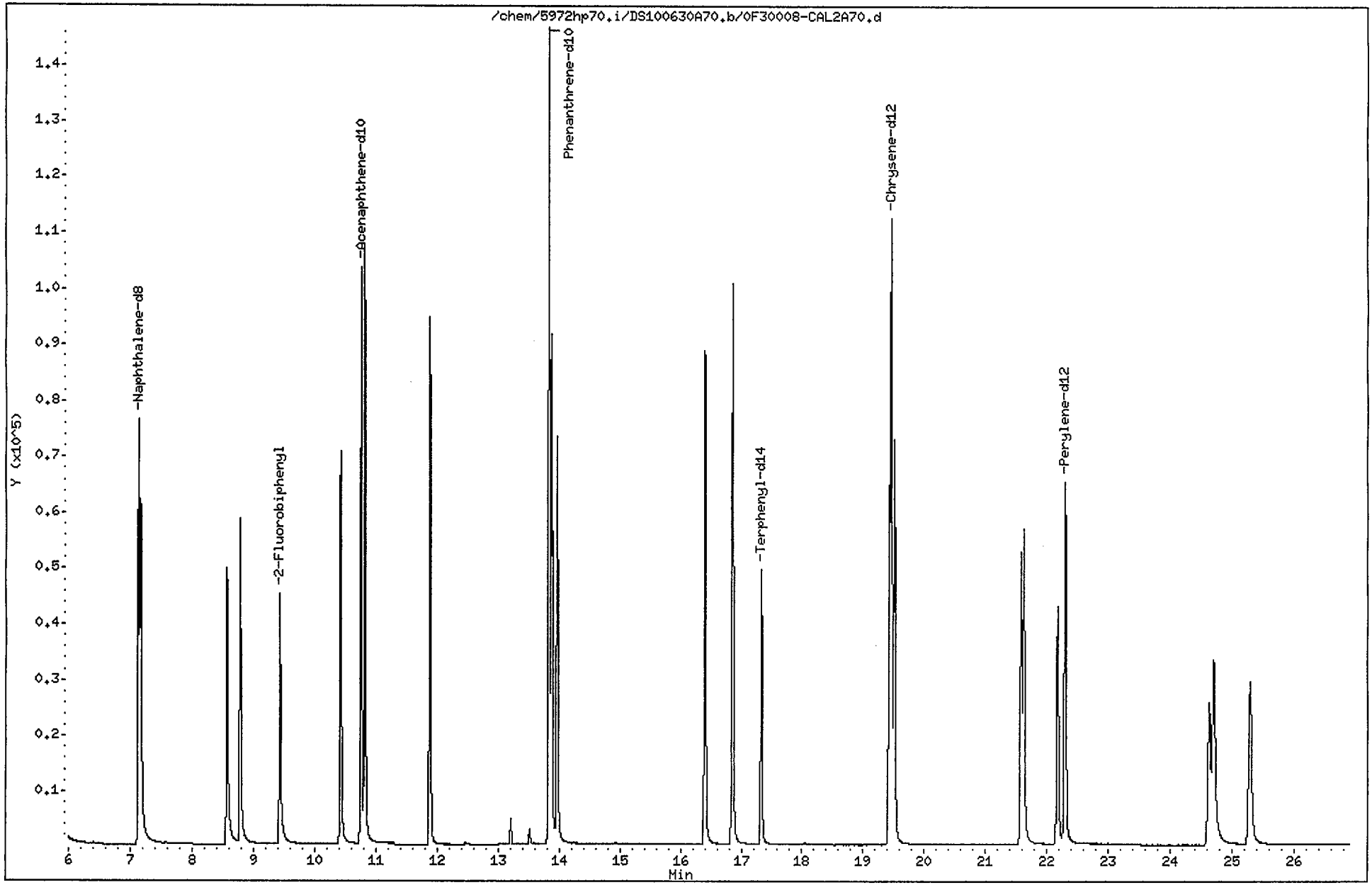
Compound: Nitrobenzene-d5
CAS Number: 4165-60-0





Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL2A70.d
Date : 30-JUN-2010 13:46
Client ID: SSTD1.2Z4
Sample Info: SSTD1.2Z4:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL2A70.d
Report Date: 01-Jul-2010 13:45

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630A70.b/0F30008-CAL2A70.d
Lab Smp Id: 0F30008-CAL2 Client Smp ID: SSTD1.2Z4
Inj Date : 30-JUN-2010 13:46
Operator : MEW Inst ID: 5972hp70.i
Smp Info : SSTD1.2Z4:MEW
Misc Info : SSTD1.2Z4
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Meth Date : 01-Jul-2010 13:45 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 13:46 Cal File: 0F30008-CAL2A70.d
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	4.823	4.822	(1.000)	32249	2.00000	
*	2 Naphthalene-d8	136	7.129	7.129	(1.000)	124023	2.00000	
*	3 Acenaphthene-d10	164	10.756	10.757	(1.000)	82405	2.00000	
*	4 Phenanthrene-d10	188	13.829	13.829	(1.000)	179451	2.00000	
*	5 Chrysene-d12	240	19.453	19.454	(1.000)	146989	2.00000	
*	6 Perylene-d12	264	22.287	22.287	(1.000)	119399	2.00000	
$	9 Nitrobenzene-d5	82	5.869	5.849	(0.823)	46378	1.20000	1.3
$	10 2-Fluorobiphenyl	172	9.432	9.428	(0.877)	69552	1.20000	1.3
$	12 Terphenyl-d14	244	17.328	17.326	(0.891)	62951	1.20000	1.2
	13 Naphthalene	128	7.168	7.160	(1.005)	97685	1.20000	1.2
	15 2-Methylnaphthalene	141	8.568	8.564	(1.202)	45950	1.20000	1.3
	17 Acenaphthylene	152	10.421	10.415	(0.969)	91924	1.20000	1.3
	18 Acenaphthene	154	10.815	10.816	(1.005)	60030	1.20000	1.2
	21 Fluorene	166	11.881	11.879	(1.105)	77225	1.20000	1.3
	25 Phenanthrene	178	13.873	13.873	(1.003)	121170	1.20000	1.2

Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL2A70.d
Report Date: 01-Jul-2010 13:45

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	13.965	13.966	(1.010)	109020	1.20000	1.3
27 Fluoranthene	202	16.401	16.399	(1.186)	115404	1.20000	1.3
28 Pyrene	202	16.851	16.854	(0.866)	126866	1.20000	1.2
29 Benzo(a)anthracene	228	19.423	19.419	(0.998)	92113	1.20000	1.3
30 Chrysene	228	19.506	19.507	(1.003)	112065	1.20000	1.2
31 Benzo(b)fluoranthene	252	21.572	21.577	(0.968)	80428	1.20000	1.3
32 Benzo(k)fluoranthene	252	21.617	21.621	(0.970)	102647	1.20000	1.2
33 Benzo(a)pyrene	252	22.168	22.168	(0.995)	75593	1.20000	1.3
34 Indeno(1,2,3-cd)pyrene	276	24.623	24.626	(1.105)	58182	1.20000	1.2(M)
35 Dibenzo(a,h)anthracene	278	24.693	24.697	(1.108)	64337	1.20000	1.3
36 Benzo(g,h,i)perylene	276	25.280	25.288	(1.134)	73502	1.20000	1.3

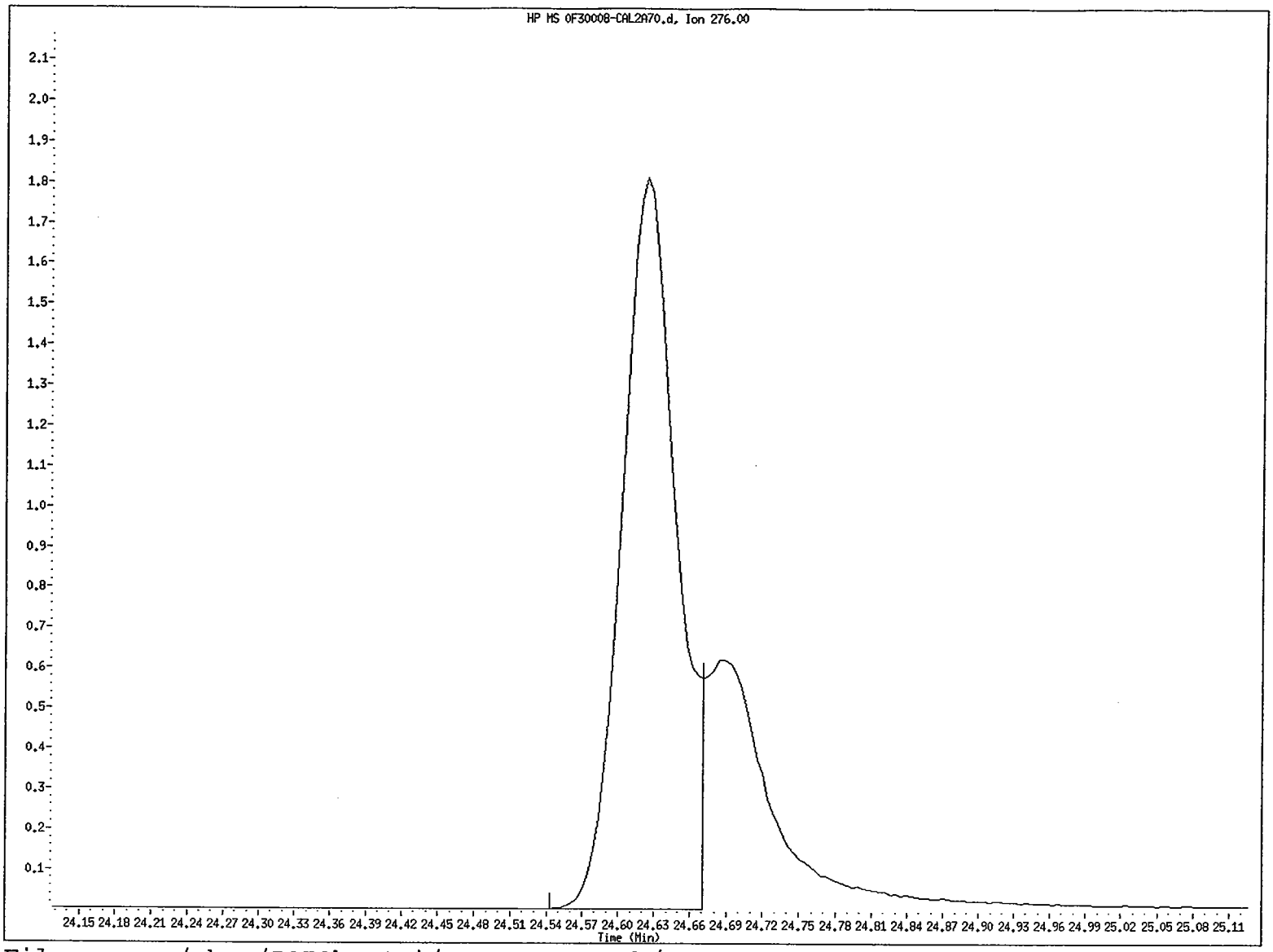
2.0 7/1/10

PW 7/1/10

QC Flag Legend

M - Compound response manually integrated.

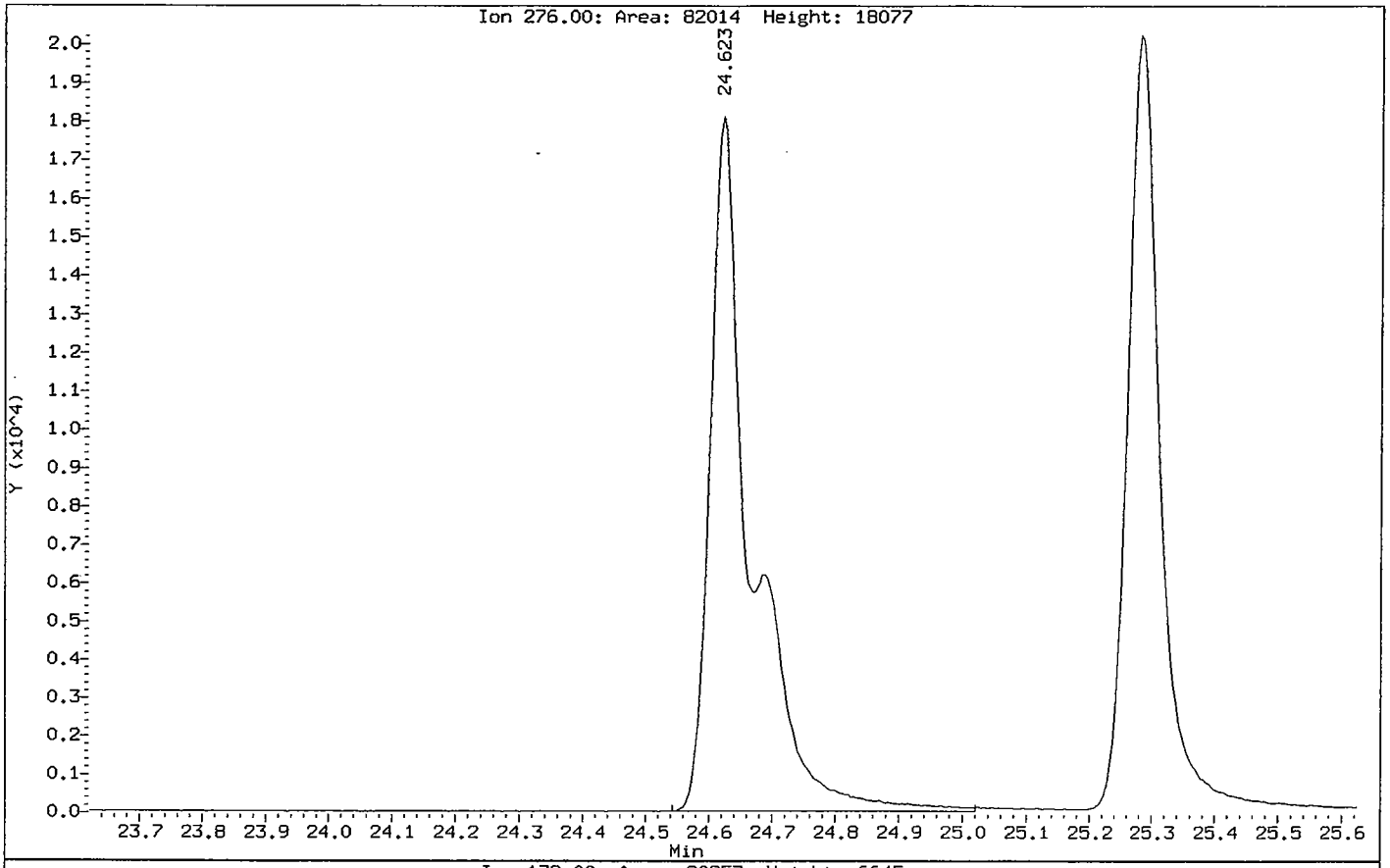
Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 58182 Manually integrated

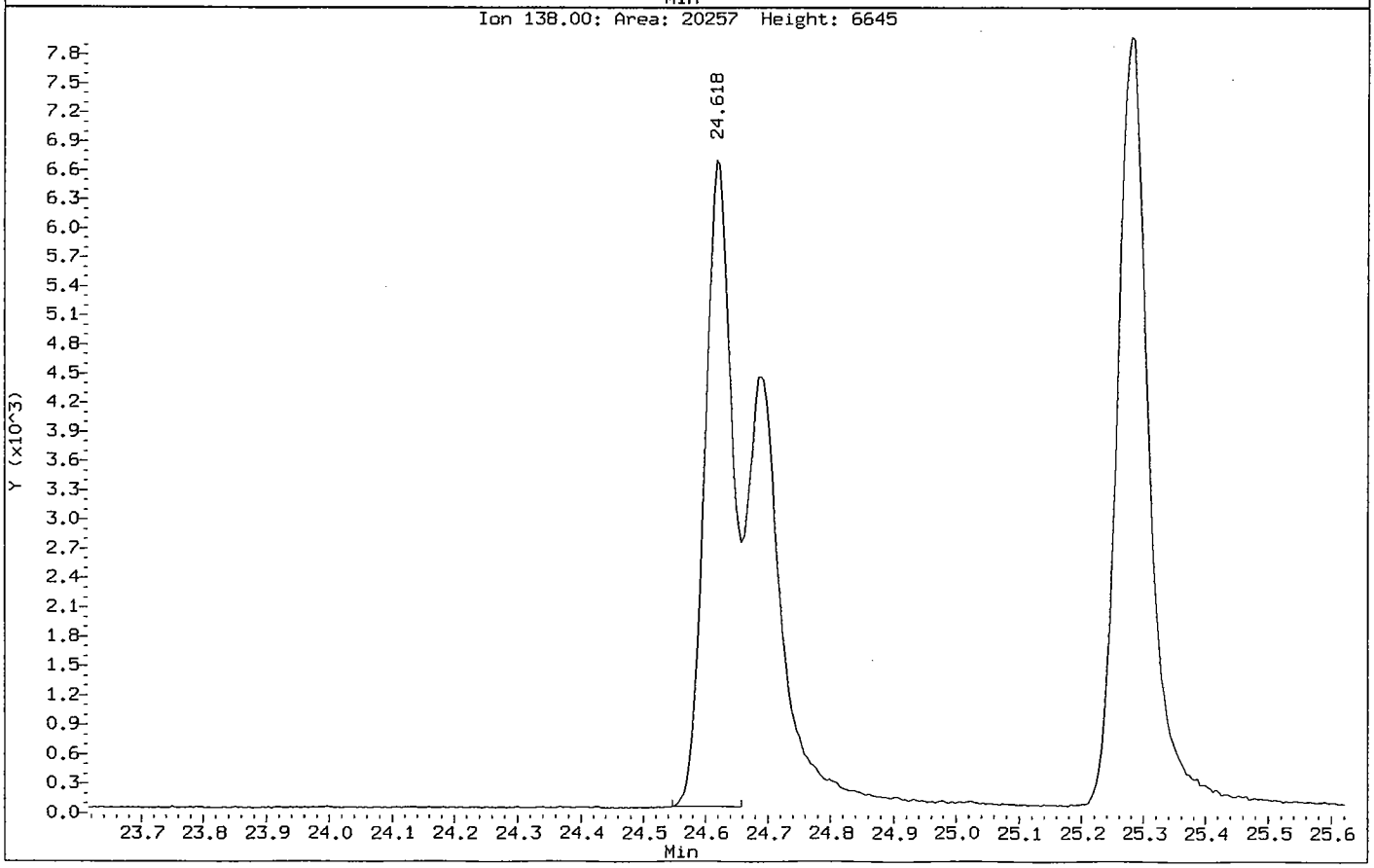


File name: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL2A70.d
Client ID: SSTD1.2Z4
Instrument ID: 5972hp70.i
Injection Date and Time: 30-JUN-2010 13:46
Retention Time: 24.62
Operator ID: MEW

Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL2A70.d
Injection Date: 30-JUN-2010 13:46
Instrument: 5972hp70.i
Client Sample ID: SSTD1.2Z4

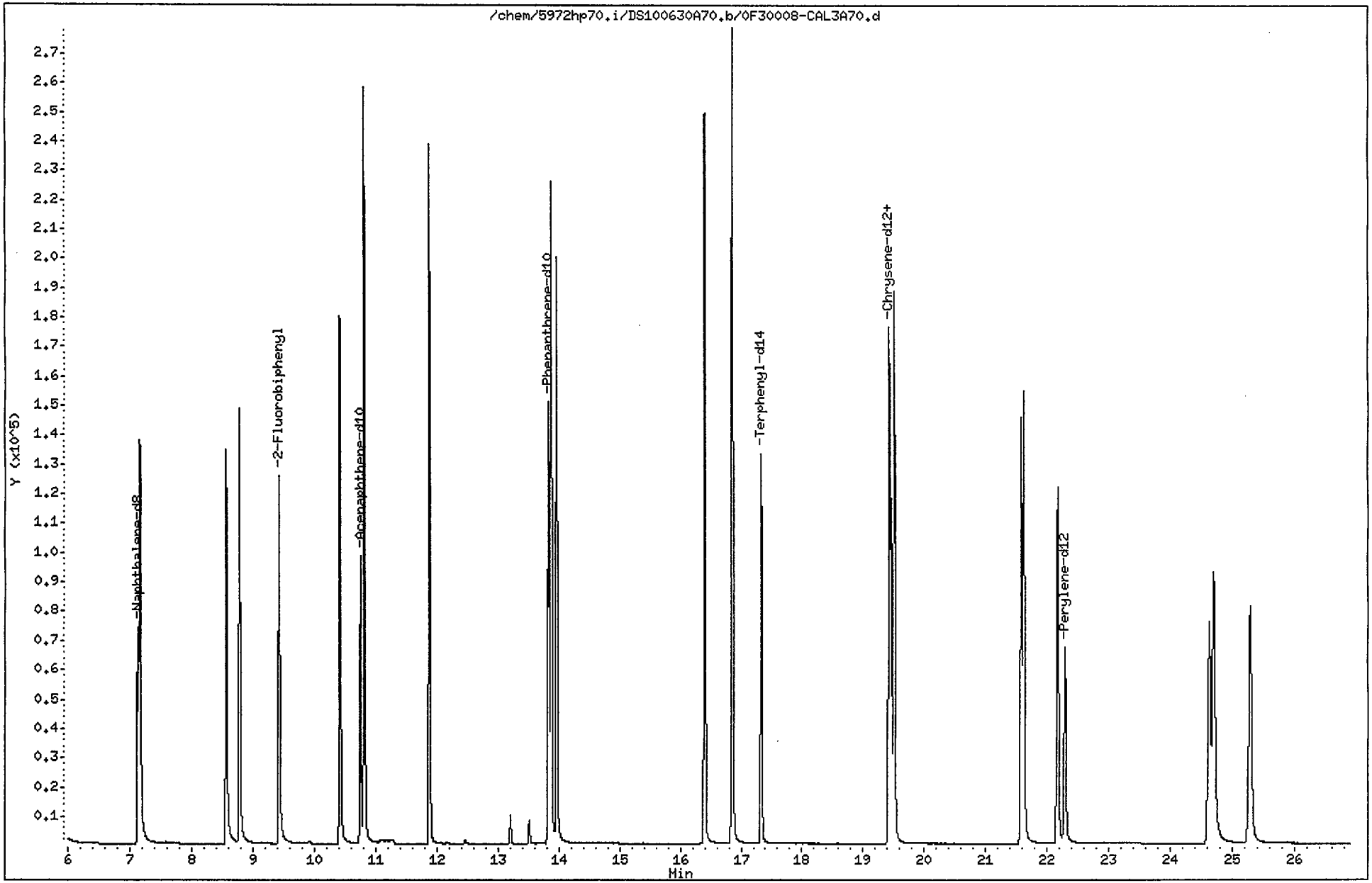
Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL3A70.d
Date : 30-JUN-2010 14:22
Client ID: SSTD003Z4
Sample Info: SSTD003Z4:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL3A70.d
Report Date: 01-Jul-2010 13:45

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630A70.b/0F30008-CAL3A70.d
Lab Smp Id: 0F30008-CAL3 Client Smp ID: SSTD003Z4
Inj Date : 30-JUN-2010 14:22
Operator : MEW Inst ID: 5972hp70.i
Smp Info : SSTD003Z4:MEW
Misc Info : SSTD003Z4
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Meth Date : 01-Jul-2010 13:45 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 14:22 Cal File: 0F30008-CAL3A70.d
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	4.822	4.822	(1.000)	30058	2.00000	
*	2 Naphthalene-d8	136	7.130	7.129	(1.000)	116045	2.00000	
*	3 Acenaphthene-d10	164	10.756	10.757	(1.000)	79465	2.00000	
*	4 Phenanthrene-d10	188	13.829	13.829	(1.000)	183132	2.00000	
*	5 Chrysene-d12	240	19.454	19.454	(1.000)	149459	2.00000	
*	6 Perylene-d12	264	22.288	22.287	(1.000)	119648	2.00000	
$	9 Nitrobenzene-d5	82	5.859	5.849	(0.822)	114506	3.00000	3.3
$	10 2-Fluorobiphenyl	172	9.428	9.428	(0.876)	166678	3.00000	3.1
$	12 Terphenyl-d14	244	17.326	17.326	(0.891)	163169	3.00000	3.1
	13 Naphthalene	128	7.161	7.160	(1.004)	221102	3.00000	3.0
	15 2-Methylnaphthalene	141	8.564	8.564	(1.201)	110983	3.00000	3.2
	17 Acenaphthylene	152	10.422	10.415	(0.969)	229532	3.00000	3.2
	18 Acenaphthene	154	10.815	10.816	(1.005)	142513	3.00000	3.0
	21 Fluorene	166	11.879	11.879	(1.104)	186558	3.00000	3.2
	25 Phenanthrene	178	13.873	13.873	(1.003)	296746	3.00000	2.9

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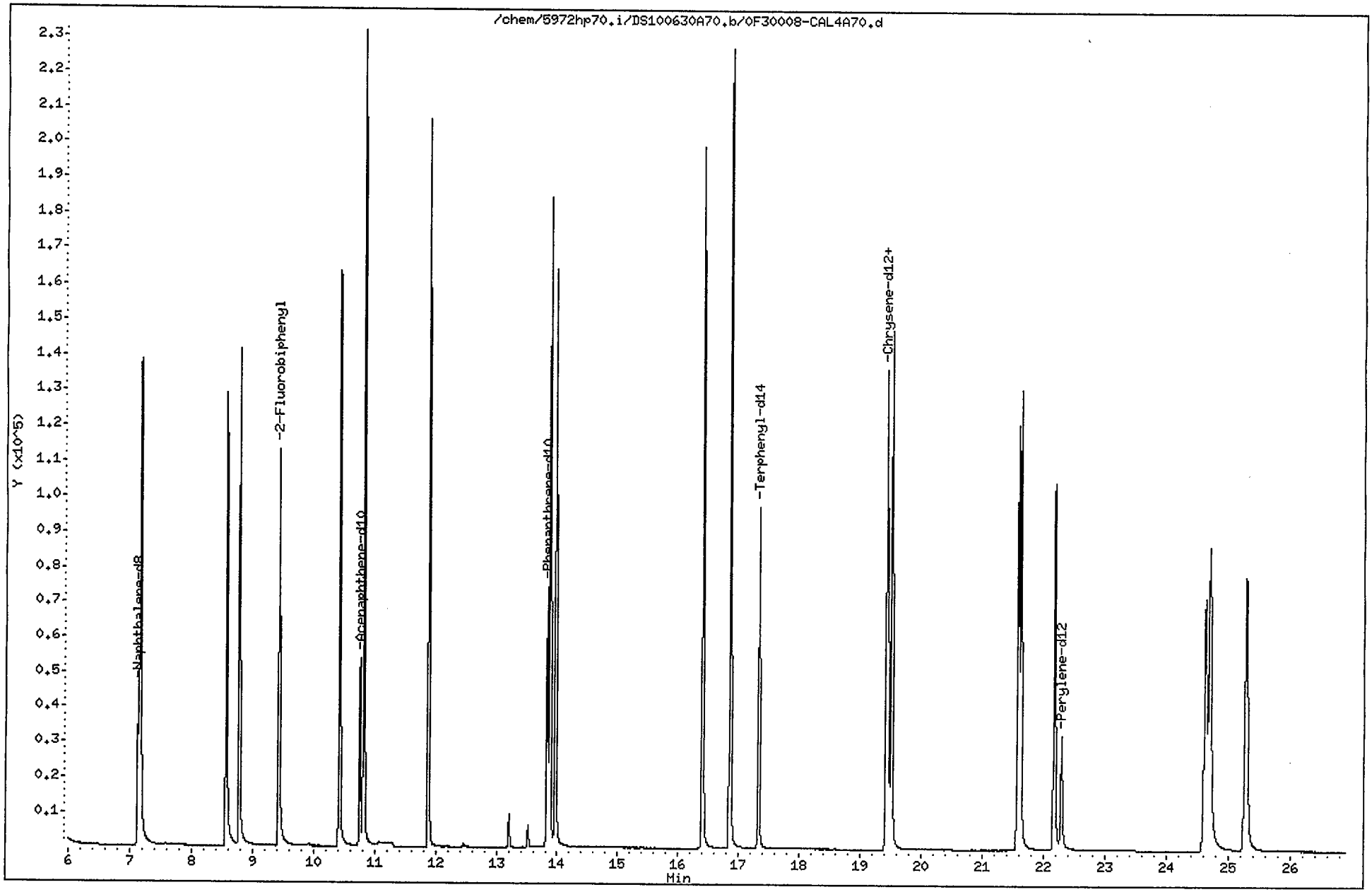
Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL3A70.d
Report Date: 01-Jul-2010 13:45

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	13.965	13.966	(1.010)	283674	3.00000	3.2
27 Fluoranthene	202	16.400	16.399	(1.186)	302283	3.00000	3.1
28 Pyrene	202	16.854	16.854	(0.866)	330629	3.00000	3.1
29 Benzo(a)anthracene	228	19.418	19.419	(0.998)	245999	3.00000	3.3
30 Chrysene	228	19.502	19.507	(1.002)	276527	3.00000	2.9
31 Benzo(b)fluoranthene	252	21.573	21.577	(0.968)	219995	3.00000	3.3
32 Benzo(k)fluoranthene	252	21.617	21.621	(0.970)	259914	3.00000	3.0
33 Benzo(a)pyrene	252	22.169	22.168	(0.995)	204181	3.00000	3.3
34 Indeno(1,2,3-cd)pyrene	276	24.619	24.626	(1.105)	166154	3.00000	3.0
35 Dibenzo(a,h)anthracene	278	24.694	24.697	(1.108)	175642	3.00000	3.3
36 Benzo(g,h,i)perylene	276	25.281	25.288	(1.134)	190684	3.00000	3.2

Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL4A70.d
Date : 30-JUN-2010 14:57
Client ID: SSTD005Z4
Sample Info: SSTD005Z4:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL4A70.d
Report Date: 01-Jul-2010 13:45

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630A70.b/0F30008-CAL4A70.d
Lab Smp Id: 0F30008-CAL4 Client Smp ID: SSTD005Z4
Inj Date : 30-JUN-2010 14:57
Operator : MEW Inst ID: 5972hp70.i
Smp Info : SSTD005Z4:MEW
Misc Info : SSTD005Z4
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Meth Date : 01-Jul-2010 13:45 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 14:57 Cal File: 0F30008-CAL4A70.d
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	4.828	4.822	(1.000)	19360	2.00000	
*	2 Naphthalene-d8	136	7.130	7.129	(1.000)	69661	2.00000	
*	3 Acenaphthene-d10	164	10.756	10.757	(1.000)	42738	2.00000	
*	4 Phenanthrene-d10	188	13.828	13.829	(1.000)	90374	2.00000	
*	5 Chrysene-d12	240	19.454	19.454	(1.000)	70893	2.00000	
*	6 Perylene-d12	264	22.287	22.287	(1.000)	60609	2.00000	
$	9 Nitrobenzene-d5	82	5.861	5.849	(0.822)	123473	5.00000	5.6
$	10 2-Fluorobiphenyl	172	9.427	9.428	(0.876)	149502	5.00000	5.1
$	12 Terphenyl-d14	244	17.328	17.326	(0.891)	120655	5.00000	4.8
	13 Naphthalene	128	7.169	7.160	(1.005)	222463	5.00000	5.0
	15 2-Methylnaphthalene	141	8.563	8.564	(1.201)	105127	5.00000	5.1
	17 Acenaphthylene	152	10.415	10.415	(0.968)	207654	5.00000	5.2
	18 Acenaphthene	154	10.815	10.816	(1.005)	128922	5.00000	5.0
	21 Fluorene	166	11.878	11.879	(1.104)	162824	5.00000	5.1
	25 Phenanthrene	178	13.872	13.873	(1.003)	245013	5.00000	4.9

Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL4A70.d
Report Date: 01-Jul-2010 13:45

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
26 Anthracene	178	13.965	13.966	(1.010)	231724	5.00000	5.2
27 Fluoranthene	202	16.397	16.399	(1.186)	238401	5.00000	5.0
28 Pyrene	202	16.851	16.854	(0.866)	264805	5.00000	5.2
29 Benzo(a)anthracene	228	19.418	19.419	(0.998)	189261	5.00000	5.2
30 Chrysene	228	19.506	19.507	(1.003)	221865	5.00000	5.0
31 Benzo(b)fluoranthene	252	21.573	21.577	(0.968)	179972	5.00000	5.3
32 Benzo(k)fluoranthene	252	21.617	21.621	(0.970)	221420	5.00000	5.1
33 Benzo(a)pyrene	252	22.168	22.168	(0.995)	181152	5.00000	5.6
34 Indeno(1,2,3-cd)pyrene	276	24.623	24.626	(1.105)	155905	5.00000	5.1(M)
35 Dibenzo(a,h)anthracene	278	24.693	24.697	(1.108)	169666	5.00000	5.9
36 Benzo(g,h,i)perylene	276	25.280	25.288	(1.134)	189179	5.00000	5.8

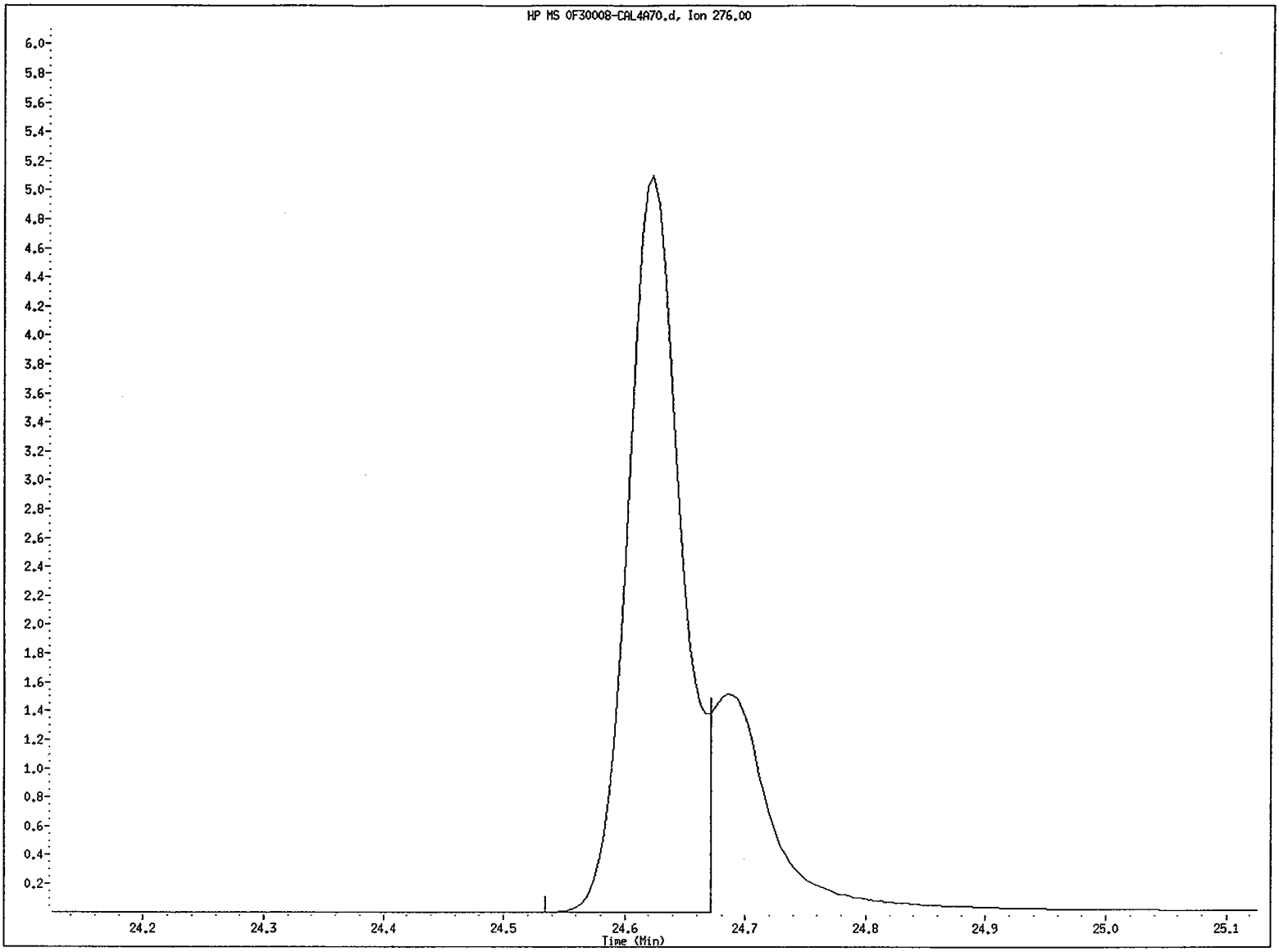
2 09/1/10

pw 7/1/10

QC Flag Legend

M - Compound response manually integrated.

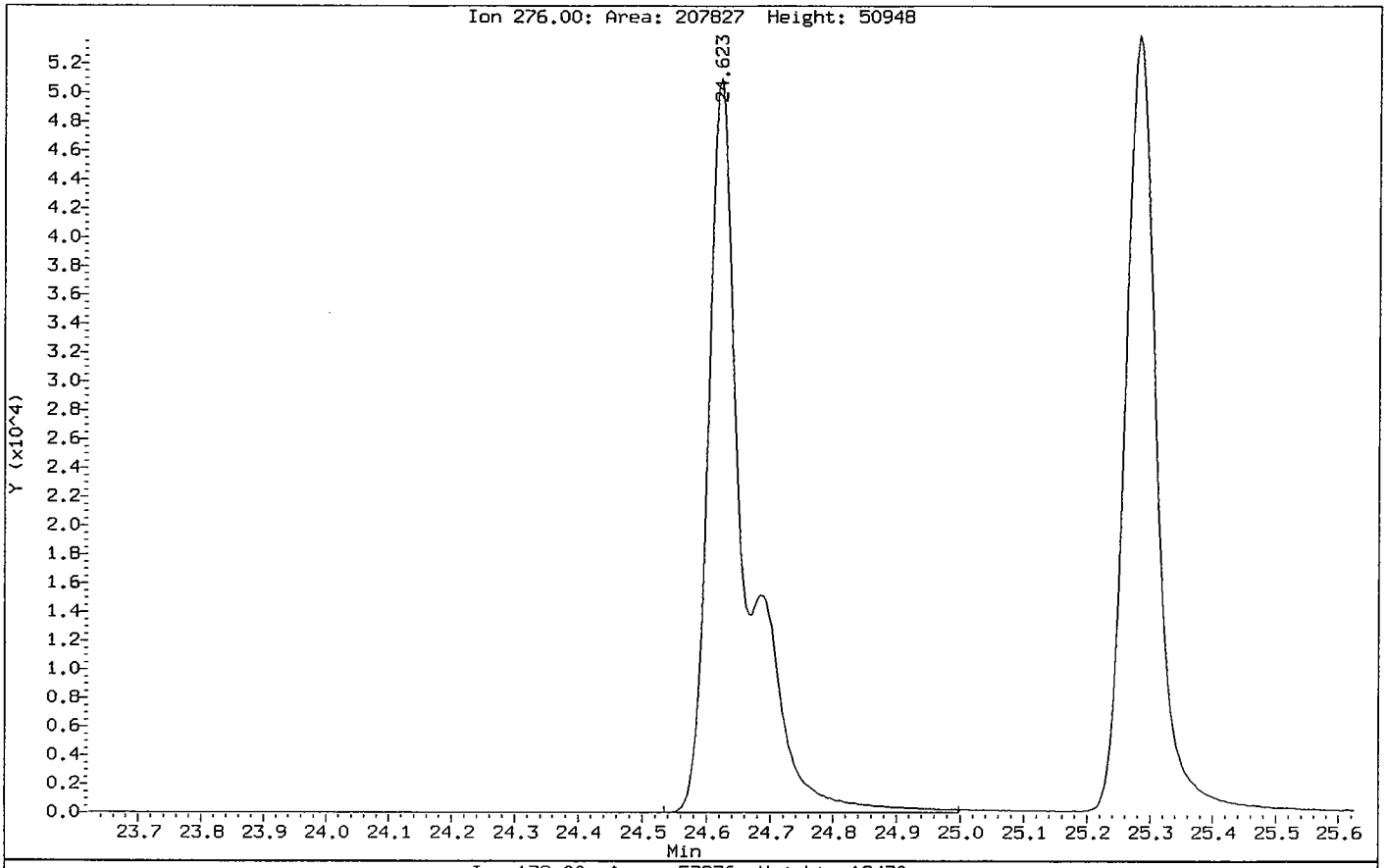
Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 155905 Manually integrated

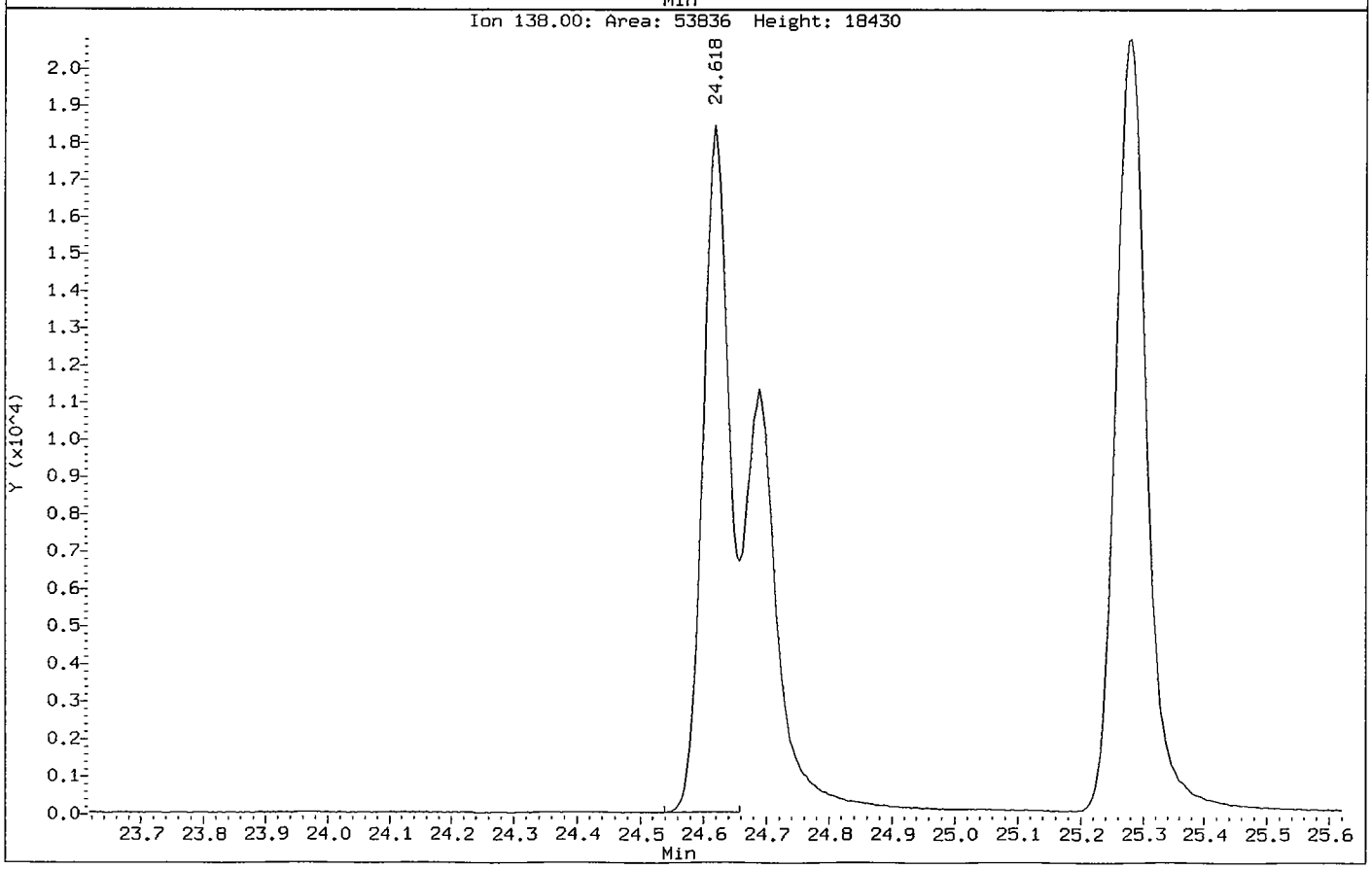


File name: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL4A70.d
Client ID: SSTD005Z4
Instrument ID: 5972hp70.i
Injection Date and Time: 30-JUN-2010 14:57
Retention Time: 24.62
Operator ID: MEW

Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL4A70.d
Injection Date: 30-JUN-2010 14:57
Instrument: 5972hp70.i
Client Sample ID: SSTD005Z4

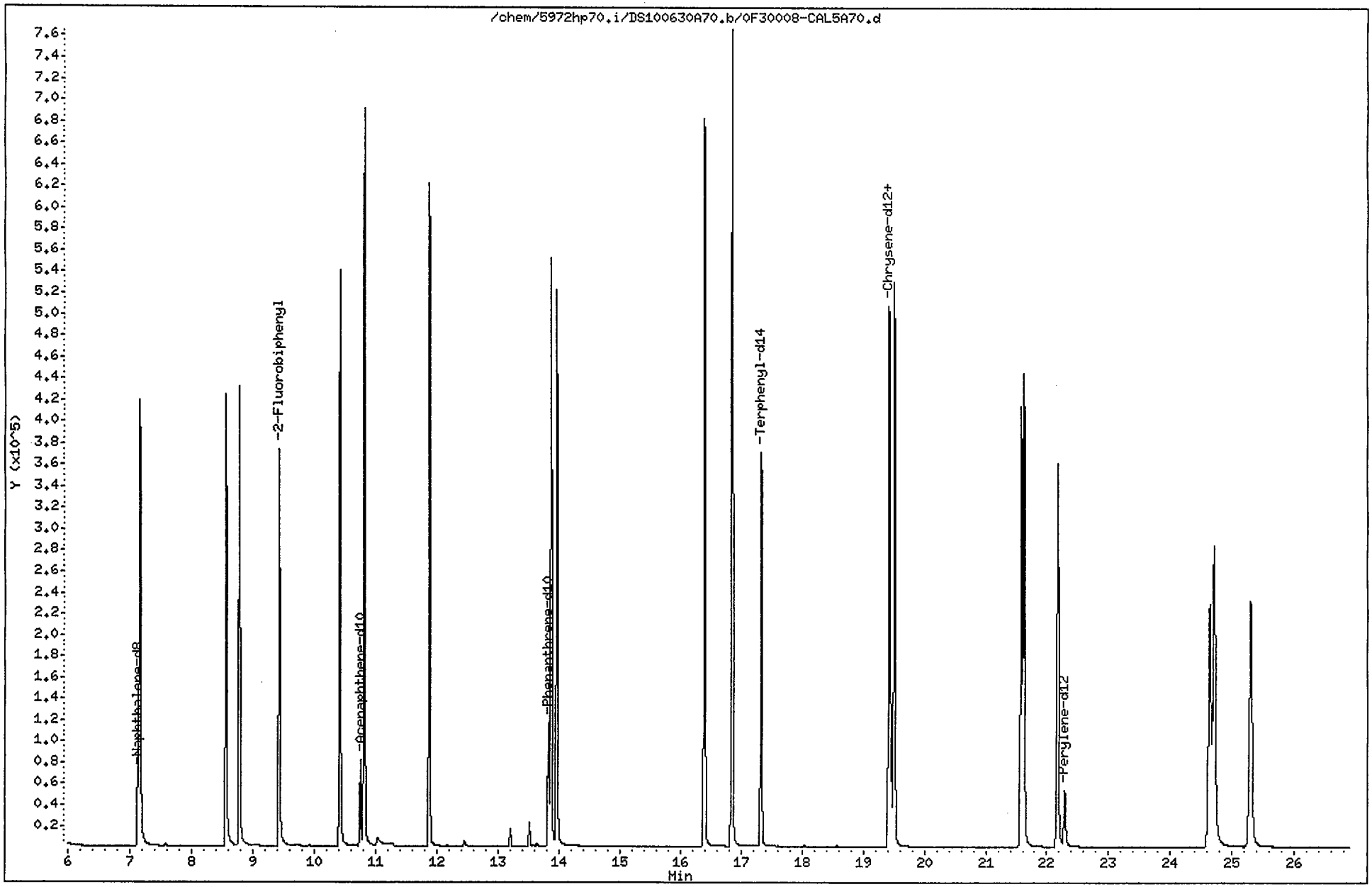
Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL5A70.d
Date : 30-JUN-2010 15:33
Client ID: SSTD010Z4
Sample Info: SSTD010Z4:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL5A70.d
Report Date: 01-Jul-2010 13:45

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630A70.b/0F30008-CAL5A70.d
Lab Smp Id: 0F30008-CAL5 Client Smp ID: SSTD010Z4
Inj Date : 30-JUN-2010 15:33
Operator : MEW Inst ID: 5972hp70.i
Smp Info : SSTD010Z4:MEW
Misc Info : SSTD010Z4
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Meth Date : 01-Jul-2010 13:45 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.822	4.822	(1.000)	25242	2.00000	
* 2 Naphthalene-d8	136	7.129	7.129	(1.000)	95948	2.00000	
* 3 Acenaphthene-d10	164	10.757	10.757	(1.000)	62816	2.00000	
* 4 Phenanthrene-d10	188	13.829	13.829	(1.000)	138127	2.00000	
* 5 Chrysene-d12	240	19.454	19.454	(1.000)	118172	2.00000	
* 6 Perylene-d12	264	22.287	22.287	(1.000)	93129	2.00000	
$ 9 Nitrobenzene-d5	82	5.849	5.849	(0.820)	348070	10.0000	11(A)
$ 10 2-Fluorobiphenyl	172	9.428	9.428	(0.876)	446590	10.0000	10(A)
$ 12 Terphenyl-d14	244	17.326	17.326	(0.891)	434014	10.0000	10(A)
13 Naphthalene	128	7.160	7.160	(1.004)	605467	10.0000	9.9
15 2-Methylnaphthalene	141	8.564	8.564	(1.201)	306025	10.0000	11(A)
17 Acenaphthylene	152	10.415	10.415	(0.968)	637345	10.0000	11(A)
18 Acenaphthene	154	10.816	10.816	(1.005)	377909	10.0000	10(A)
21 Fluorene	166	11.879	11.879	(1.104)	483335	10.0000	10(A)
25 Phenanthrene	178	13.873	13.873	(1.003)	733885	10.0000	9.7

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Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL5A70.d
Report Date: 01-Jul-2010 13:45

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	13.966	13.966	(1.010)	716835	10.0000	10(A)
27 Fluoranthene	202	16.399	16.399	(1.186)	797592	10.0000	11(A)
28 Pyrene	202	16.854	16.854	(0.866)	869074	10.0000	10(A)
29 Benzo(a)anthracene	228	19.419	19.419	(0.998)	692038	10.0000	11(A)
30 Chrysene	228	19.507	19.507	(1.003)	732314	10.0000	9.9
31 Benzo(b)fluoranthene	252	21.577	21.577	(0.968)	624537	10.0000	11(A)
32 Benzo(k)fluoranthene	252	21.621	21.621	(0.970)	690394	10.0000	10(A)
33 Benzo(a)pyrene	252	22.168	22.168	(0.995)	583987	10.0000	11(A)
34 Indeno(1,2,3-cd)pyrene	276	24.626	24.626	(1.105)	477815	10.0000	10
35 Dibenzo(a,h)anthracene	278	24.697	24.697	(1.108)	511498	10.0000	11(A)
36 Benzo(g,h,i)perylene	276	25.288	25.288	(1.135)	525276	10.0000	10(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/5972hp70.i/DS100630A70.b/SRC100630A70.d
Report Date: 01-Jul-2010 15:25

CompuChem

RECOVERY REPORT

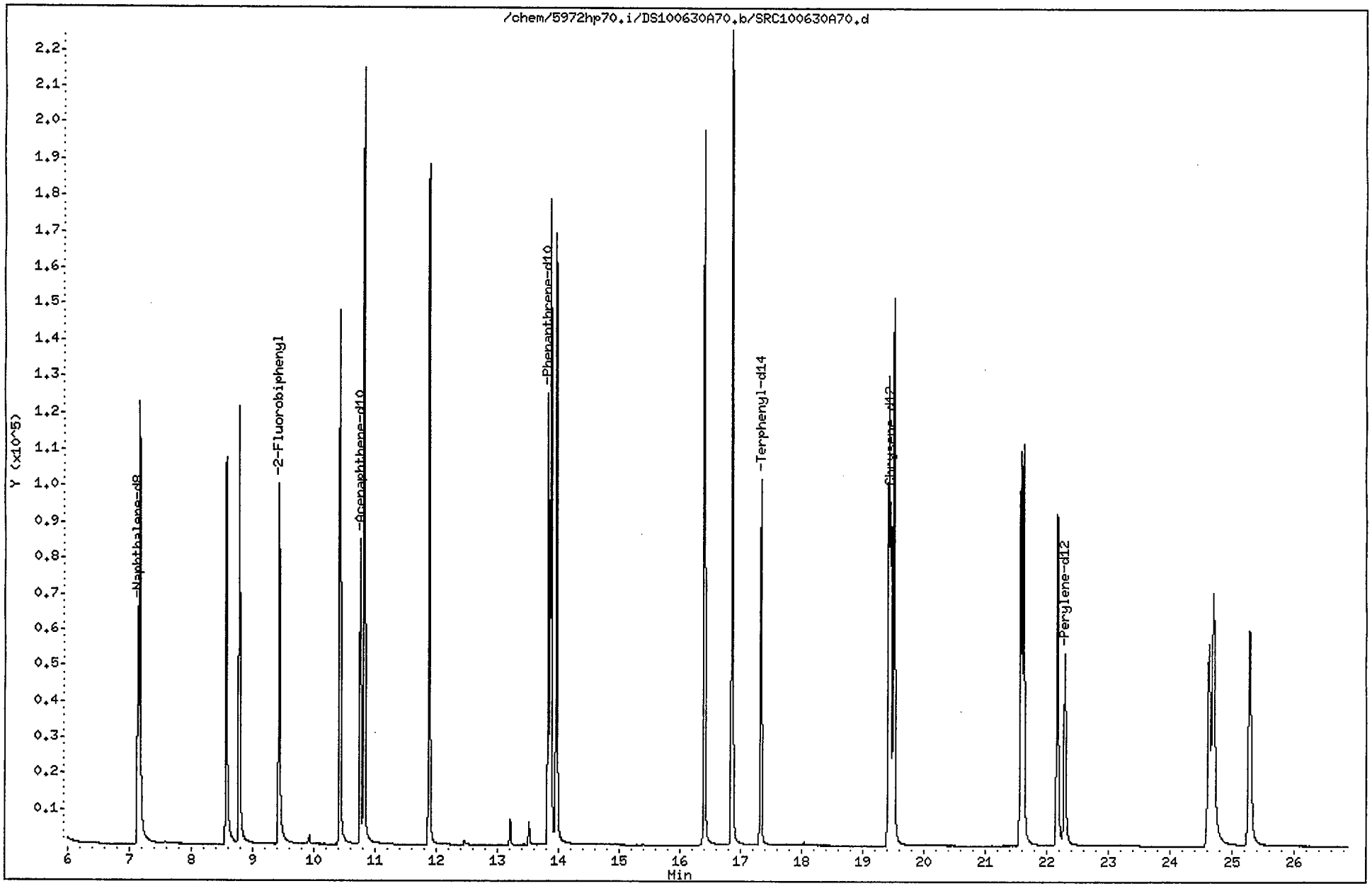
Client Name:
Client SDG: DS100630A70
Sample Matrix: LIQUID
Fraction: SV
Lab Smp Id: SSTD003VAL
Client Smp ID: SSTD003VAL
Level: LOW
Operator: MEW
Data Type: MS DATA
SampleType: LCS
SpikeList File: 2ndsourceSIM.spk
Quant Type: ISTD
Sublist File: ICALPAH.sub
Method File: /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Misc Info: SSTD003VAL

SPIKE COMPOUND	AMOUNT ADDED NG	AMOUNT RECOVERED NG	% RECOVERED	LIMITS
13 Naphthalene	3.0	2.9	96.47	80-120
14 Hexachlorobutadie	0.0030	0.0	*	80-120
15 2-Methylnaphthalen	3.0	3.0	99.56	80-120
16 1-Methylnaphthale	0.0030	0.0	*	80-120
17 Acenaphthylene	3.0	3.0	99.50	80-120
18 Acenaphthene	3.0	2.9	97.53	80-120
20 4-Nitrophenol	0.0080	0.0	*	80-120
21 Fluorene	3.0	3.0	99.80	80-120
23 Hexachlorobenzene	0.0080	0.0	*	80-120
24 Pentachlorophenol	0.0080	0.0	*	80-120
25 Phenanthrene	3.0	2.9	96.85	80-120
26 Anthracene	3.0	3.1	104.43	80-120
27 Fluoranthene	3.0	3.0	98.76	80-120
28 Pyrene	3.0	3.0	100.09	80-120
29 Benzo(a)anthracene	3.0	2.8	94.89	80-120
30 Chrysene	3.0	2.9	96.05	80-120
31 Benzo(b)fluoranthe	3.0	2.8	93.34	80-120
32 Benzo(k)fluoranthe	3.0	3.0	99.19	80-120
33 Benzo(a)pyrene	3.0	3.0	98.43	80-120
34 Indeno(1,2,3-cd)py	3.0	2.6	87.57	80-120
35 Dibenzo(a,h)anthra	3.0	3.0	98.74	80-120
36 Benzo(g,h,i)peryle	3.0	2.8	92.40	80-120

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 9 Nitrobenzene-d5	1.5	1.4	96.54	40-110
$ 10 2-Fluorobiphenyl	1.5	1.5	97.78	50-110
$ 12 Terphenyl-d14	1.5	1.5	98.45	50-135

Data File: /chem/5972hp70.i/DS100630A70.b/SRC100630A70.d
Date : 30-JUN-2010 16:09
Client ID: SSTD003VAL
Sample Info: SSTD003VAL:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630A70.b/SRC100630A70.d
Report Date: 01-Jul-2010 13:50

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630A70.b/SRC100630A70.d
Lab Smp Id: SSTD003VAL Client Smp ID: SSTD003VAL
Inj Date : 30-JUN-2010 16:09
Operator : MEW Inst ID: 5972hp70.i
Smp Info : SSTD003VAL:MEW
Misc Info : SSTD003VAL
Comment   : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method   : /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Meth Date : 01-Jul-2010 13:49 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 7 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	4.824	4.822	(1.000)	26203	2.00000	
* 2 Naphthalene-d8	136	7.131	7.129	(1.000)	99076	2.00000	
* 3 Acenaphthene-d10	164	10.756	10.757	(1.000)	67275	2.00000	
* 4 Phenanthrene-d10	188	13.828	13.829	(1.000)	150685	2.00000	
* 5 Chrysene-d12	240	19.453	19.454	(1.000)	120785	2.00000	
* 6 Perylene-d12	264	22.287	22.287	(1.000)	96276	2.00000	
$ 9 Nitrobenzene-d5	82	5.856	5.849	(0.821)	92859	2.89628	1.4
$ 10 2-Fluorobiphenyl	172	9.427	9.428	(0.876)	136005	2.93336	1.5
$ 12 Terphenyl-d14	244	17.328	17.326	(0.891)	126985	2.95353	1.5
13 Naphthalene	128	7.162	7.160	(1.004)	183113	2.89421	1.4
15 2-Methylnaphthalene	141	8.563	8.564	(1.201)	89057	2.98674	1.5
17 Acenaphthylene	152	10.421	10.415	(0.969)	189460	2.98502	1.5
18 Acenaphthene	154	10.815	10.816	(1.005)	117844	2.92596	1.5
21 Fluorene	166	11.879	11.879	(1.104)	151488	2.99388	1.5
25 Phenanthrene	178	13.872	13.873	(1.003)	238958	2.90545	1.5

Data File: /chem/5972hp70.i/DS100630A70.b/SRC100630A70.d
Report Date: 01-Jul-2010 13:50

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
26 Anthracene	178	13.965	13.966	(1.010)	236426	3.13277	1.6
27 Fluoranthene	202	16.397	16.399	(1.186)	239279	2.96286	1.5
28 Pyrene	202	16.851	16.854	(0.866)	262103	3.00271	1.5
29 Benzo(a)anthracene	228	19.418	19.419	(0.998)	181036	2.84661	1.4
30 Chrysene	228	19.502	19.507	(1.002)	218162	2.88158	1.4
31 Benzo(b)fluoranthene	252	21.572	21.577	(0.968)	157762	2.80018	1.4
32 Benzo(k)fluoranthene	252	21.617	21.621	(0.970)	207353	2.97559	1.5
33 Benzo(a)pyrene	252	22.163	22.168	(0.994)	157148	2.95292	1.5
34 Indeno(1,2,3-cd)pyrene	276	24.618	24.626	(1.105)	121591	2.62706	1.3 (M)
35 Dibenzo(a,h)anthracene	278	24.693	24.697	(1.108)	139412	2.96227	1.5
36 Benzo(g,h,i)perylene	276	25.276	25.288	(1.134)	144199	2.77194	1.4

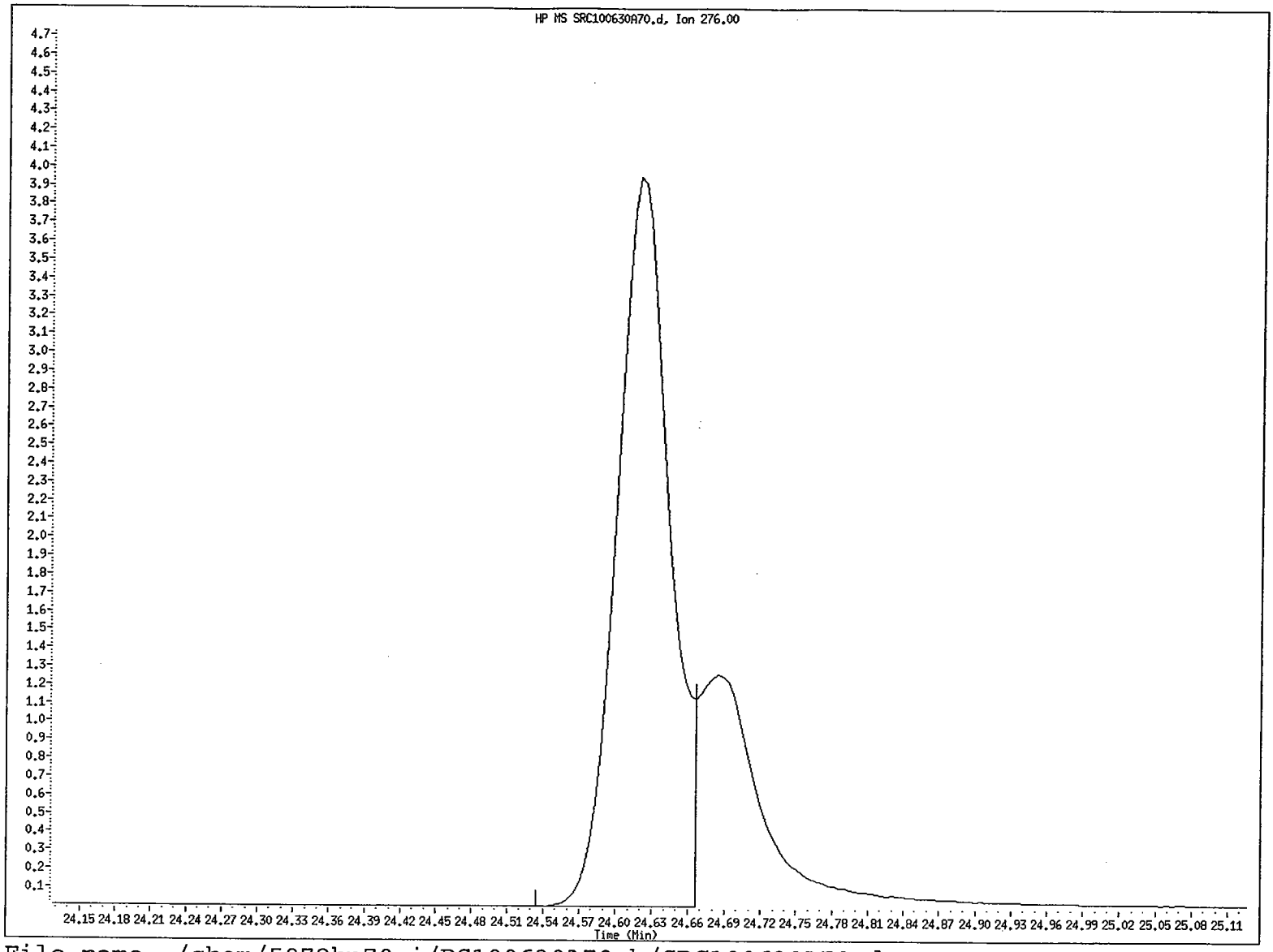
2691.10

PW 7/1/10

QC Flag Legend

M - Compound response manually integrated.

Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 121591 Manually integrated



File name: /chem/5972hp70.i/DS100630A70.b/SRC100630A70.d
Client ID: SSTD003VAL
Instrument ID: 5972hp70.i
Injection Date and Time: 30-JUN-2010 16:09
Retention Time: 24.62
Operator ID: MEW

COMPUCHEM a Division of Liberty Analytical Corp
GC/MS SEMIVOLATILE RUN LOG
LOGBOOK 4U(4) 21 (5972hp70)

DATE 6/30/10 INITIAL TIME OF TUNE 1204 SHIFT/S (A) X (B)____ (C)____
TIME TUNE EXPIRES 0004
METHOD: 625 (8270C) 8270D OLC03.2 OLM04.3 SOM01.2 (Circle One) or Other: PAH SIM: (Y)/N)
PREVENTIVE MAINTENANCE None 007 0105

	SEQUENCE#	RESTD	FILENAME	RESTD	DATE	TIME	CLIENT ID	SDG#	AMOUNT INJECTED	CHEMIST	COMMENTS
1	OF30008		NA		6/30/10	1204	FC43	—	2µL	2730	SCD=LCD
2	5100630A		ASCAN A70		/ /	1228	5STD003	—			
3			OF30068-CAL1		/ /	1311	5STD 0.4 Z4	—			OE18005 8-18-10
4			CAL2		/ /	1346	1.2	—			OE18006
5			CAL3		/ /	1422	003	—			OF18002
6			CAL4		/ /	1457	005	—			OE18009
7			CAL5		/ /	1533	010	—			OE18010
8			SRC100630		/ /	1609	5STD003VAL	—			OE26008 8-26-10
9			0060203-BLK1A70		/ /	1748	SBLKE1	1005134			
10			↓ -BS1		/ /	1828	SE1LCS				
11			1005134-18R		/ /	1904	SB44-5-6				
12			0060203-1MS1		/ /	1939	MS				
13			↓ MS01		/ /	2015	MSD				
14			1005134-06R		/ /	2050	SS33-0-1				
15			07R		/ /	2126	SB33-4-5				
16			08R		/ /	2201	SB31-5-6				
17			09R		/ /	2237	SS31-0-1				
18			10R		/ /	2312	SS32-0-1				
19					/ /						
20					/ /						
21					/ /						
22					/ /						
23					/ /						B 6-30-10
24					/ /						

DFTPP Lot #/Exp. Date: NA
Calibration STD Lot#/Exp. Date: See comments
Internal STD Lot#/Exp. Date: 640 OF18001 11-18-10
Methylene Chloride Lot#/Exp. Date: JT1500 6-8-15
Column Type: RTX-5ms 0.32mm

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

REVIEWED BY: B DATE 6-30-10

b. Continuing Calibration Data (Form VII SV)

If more than one instrument is used, forms shall be arranged in order by instrument. If multiple continuing calibrations from the same instrument are used, they shall be in chronological order.

(1) Chromatograms and quantitation reports for all continuing (12-hour) calibrations. Spectra not required.

(2) EICPs displaying each manual integration.

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Instrument ID: 5972HP70 Calibration Date: 07/01/10 Time: 2148

Lab File ID: 0G01012-CCV1B7 Init. Calib. Date(s): 06/30/10 06/30/10

Init. Calib. Times: 1311 1533

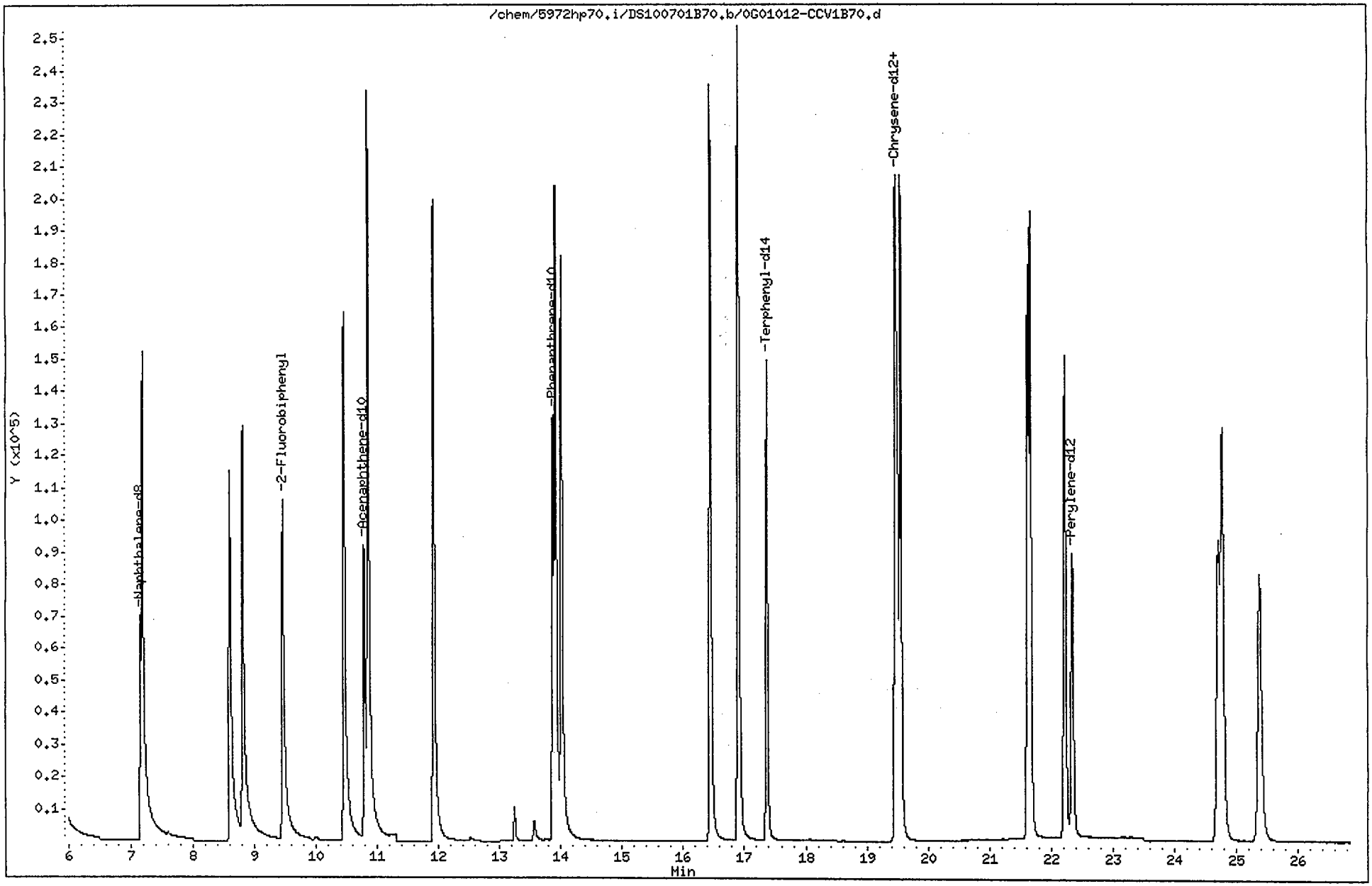
GC Column: RTX-5MS ID: 0.32 (mm)

COMPOUND	RRF or AMOUNT	RRF3.0000 or AMOUNT	CCAL RRF3.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Naphthalene	1.2770000	1.2859388	1.2859388	0.01	0.70	50.00	AVRG
2-Methylnaphthalene	0.6020000	0.6126537	0.6126537	0.01	1.77	50.00	AVRG
Acenaphthylene	1.8870000	1.9745259	1.9745259	0.01	4.64	50.00	AVRG
Acenaphthene	1.1970000	1.1362866	1.1362866	0.01	-5.07	20.00	AVRG
Fluorene	1.5040000	1.4326198	1.4326198	0.01	-4.75	50.00	AVRG
Phenanthrene	1.0910000	0.9789166	0.9789166	0.01	-10.27	50.00	AVRG
Anthracene	1.0020000	1.0891417	1.0891417	0.01	8.70	50.00	AVRG
Fluoranthene	1.0720000	1.0777333	1.0777333	0.01	0.53	20.00	AVRG
Pyrene	1.4450000	1.3407518	1.3407518	0.01	-7.21	50.00	AVRG
Benzo(a)anthracene	1.0530000	1.1253829	1.1253829	0.01	6.87	50.00	AVRG
Chrysene	1.2540000	1.1739874	1.1739874	0.01	-6.38	50.00	AVRG
Benzo(b)fluoranthene	1.1700000	1.0460616	1.0460616	0.01	-10.59	50.00	AVRG
Benzo(k)fluoranthene	1.4480000	1.2782694	1.2782694	0.01	-11.72	50.00	AVRG
Benzo(a)pyrene	1.1060000	1.0948317	1.0948317	0.01	-1.01	20.00	AVRG
Indeno(1,2,3-cd)pyrene	2.7614244	3.0000000	0.8890769	0.01	-7.95	50.00	LINR
Dibenzo(a,h)anthracene	0.9780000	0.9242298	0.9242298	0.01	-5.50	50.00	AVRG
Benzo(g,h,i)perylene	1.0800000	0.8964650	0.8964650	0.01	-16.99	50.00	AVRG
Nitrobenzene-d5	0.6470000	0.6909253	0.6909253	0.01	6.79	50.00	AVRG
2-Fluorobiphenyl	1.3780000	1.3632475	1.3632475	0.01	-1.07	50.00	AVRG
Terphenyl-d14	0.7120000	0.7057350	0.7057350	0.01	-0.88	50.00	AVRG

FORM VII SV

Data File: /chem/5972hp70.i/DS100701B70.b/0G01012-CCV1B70.d
Date : 01-JUL-2010 21:48
Client ID: SSTD003MH
Sample Info: SSTD003MH:TD
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: TD
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701B70.b/0G01012-CCV1B70.d
Report Date: 06-Jul-2010 15:51

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701B70.b/0G01012-CCV1B70.d
Lab Smp Id: 0G01012-CCV1 Client Smp ID: SSTD003MH
Inj Date : 01-JUL-2010 21:48
Operator : TD Inst ID: 5972hp70.i
Smp Info : SSTD003MH:TD
Misc Info : SSTD003MH
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701B70.b/SIM_8270Cv3DOD.m
Meth Date : 06-Jul-2010 15:50 mead Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	4.848	4.848	(1.000)	42728	2.00000	
*	2 Naphthalene-d8	136	7.162	7.162	(1.000)	174563	2.00000	
*	3 Acenaphthene-d10	164	10.784	10.784	(1.000)	120567	2.00000	
*	4 Phenanthrene-d10	188	13.872	13.872	(1.000)	248062	2.00000	
*	5 Chrysene-d12	240	19.499	19.499	(1.000)	211544	2.00000	
*	6 Perylene-d12	264	22.344	22.344	(1.000)	196172	2.00000	
$	9 Nitrobenzene-d5	82	5.880	5.880	(0.821)	180915	3.00000	3.2
$	10 2-Fluorobiphenyl	172	9.460	9.460	(0.877)	246544	3.00000	3.0
$	12 Terphenyl-d14	244	17.362	17.362	(0.890)	223941	3.00000	3.0
	13 Naphthalene	128	7.193	7.193	(1.004)	336716	3.00000	3.0
	15 2-Methylnaphthalene	141	8.596	8.596	(1.200)	160420	3.00000	3.1
	17 Acenaphthylene	152	10.455	10.455	(0.970)	357094	3.00000	3.1
	18 Acenaphthene	154	10.849	10.849	(1.006)	205498	3.00000	2.8
	21 Fluorene	166	11.918	11.918	(1.105)	259090	3.00000	2.9
	25 Phenanthrene	178	13.916	13.916	(1.003)	364248	3.00000	2.7

Data File: /chem/5972hp70.i/DS100701B70.b/0G01012-CCV1B70.d
Report Date: 06-Jul-2010 15:51

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	14.009	14.009	(1.010)	405262	3.00000	3.3
27 Fluoranthene	202	16.440	16.440	(1.185)	401017	3.00000	3.0
28 Pyrene	202	16.894	16.894	(0.866)	425442	3.00000	2.8
29 Benzo(a)anthracene	228	19.468	19.468	(0.998)	357102	3.00000	3.2
30 Chrysene	228	19.552	19.552	(1.003)	372525	3.00000	2.8
31 Benzo(b)fluoranthene	252	21.625	21.625	(0.968)	307812	3.00000	2.7
32 Benzo(k)fluoranthene	252	21.665	21.665	(0.970)	376141	3.00000	2.6
33 Benzo(a)pyrene	252	22.225	22.225	(0.995)	322163	3.00000	3.0
34 Indeno(1,2,3-cd)pyrene	276	24.710	24.710	(1.106)	261618	3.00000	2.8(M)
35 Dibenzo(a,h)anthracene	278	24.776	24.776	(1.109)	271962	3.00000	2.8
36 Benzo(g,h,i)perylene	276	25.385	25.385	(1.136)	263792	3.00000	2.5

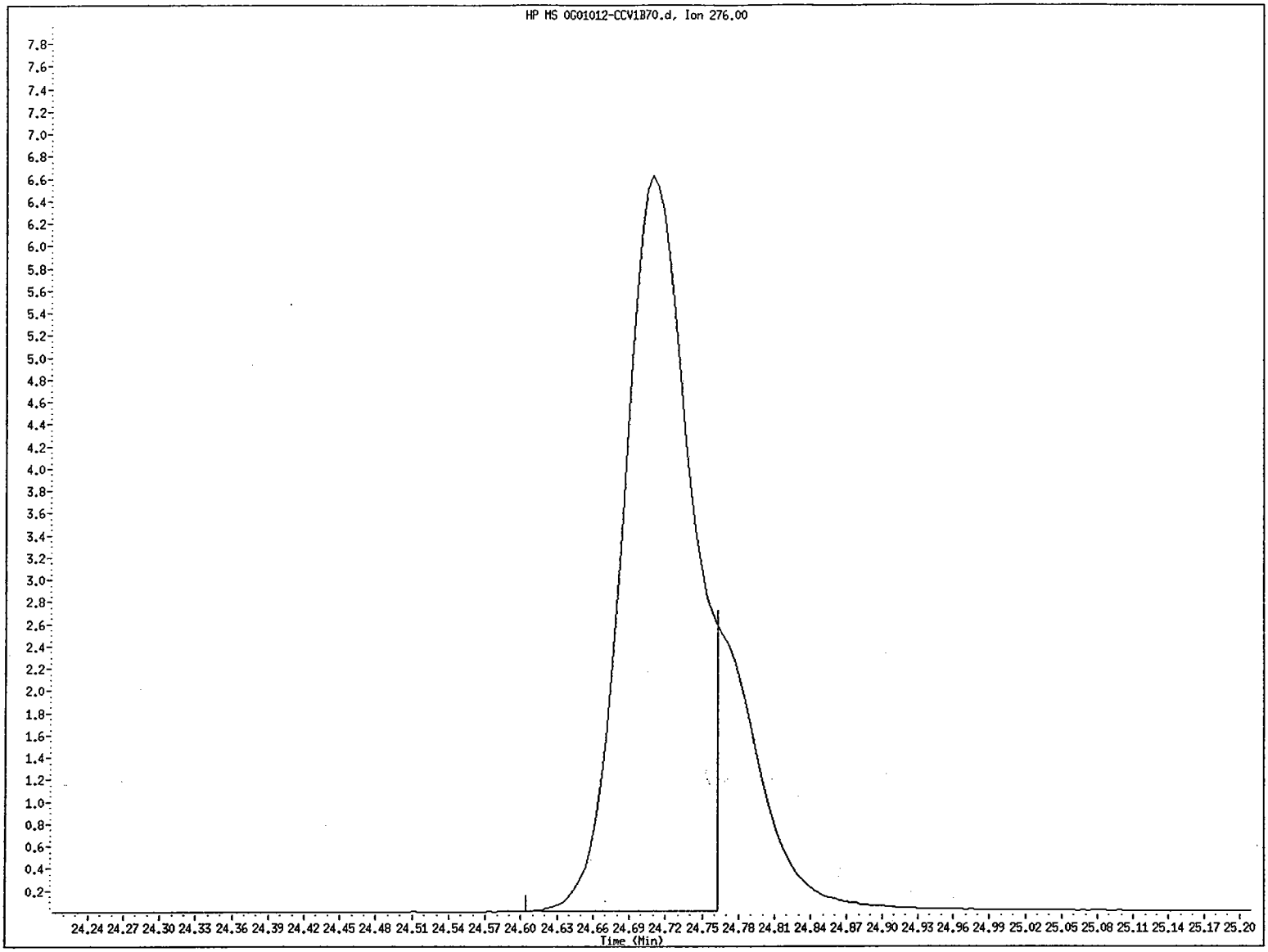
2

pm 7/6/10

QC Flag Legend

M - Compound response manually integrated.

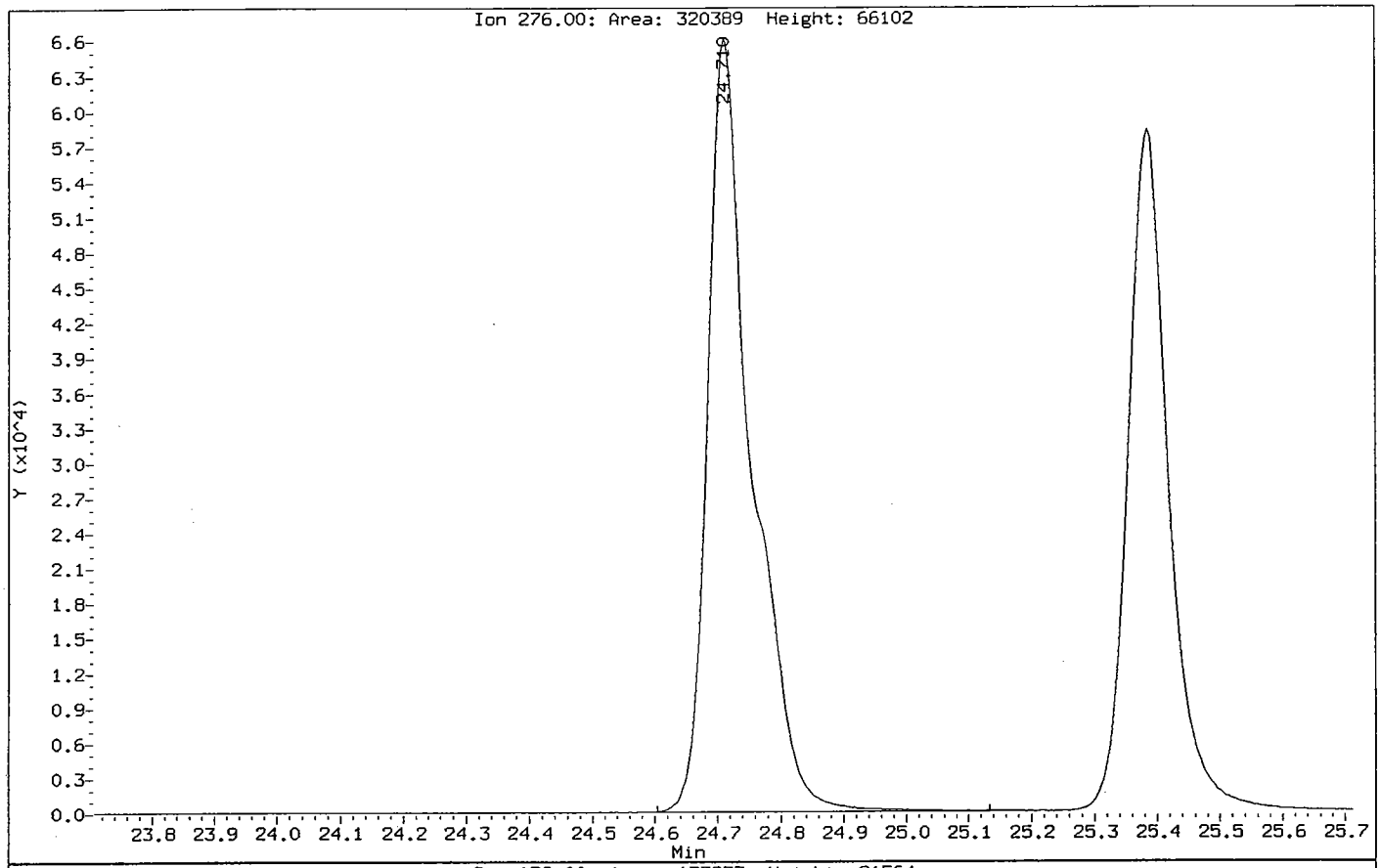
Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 261618 Manually integrated

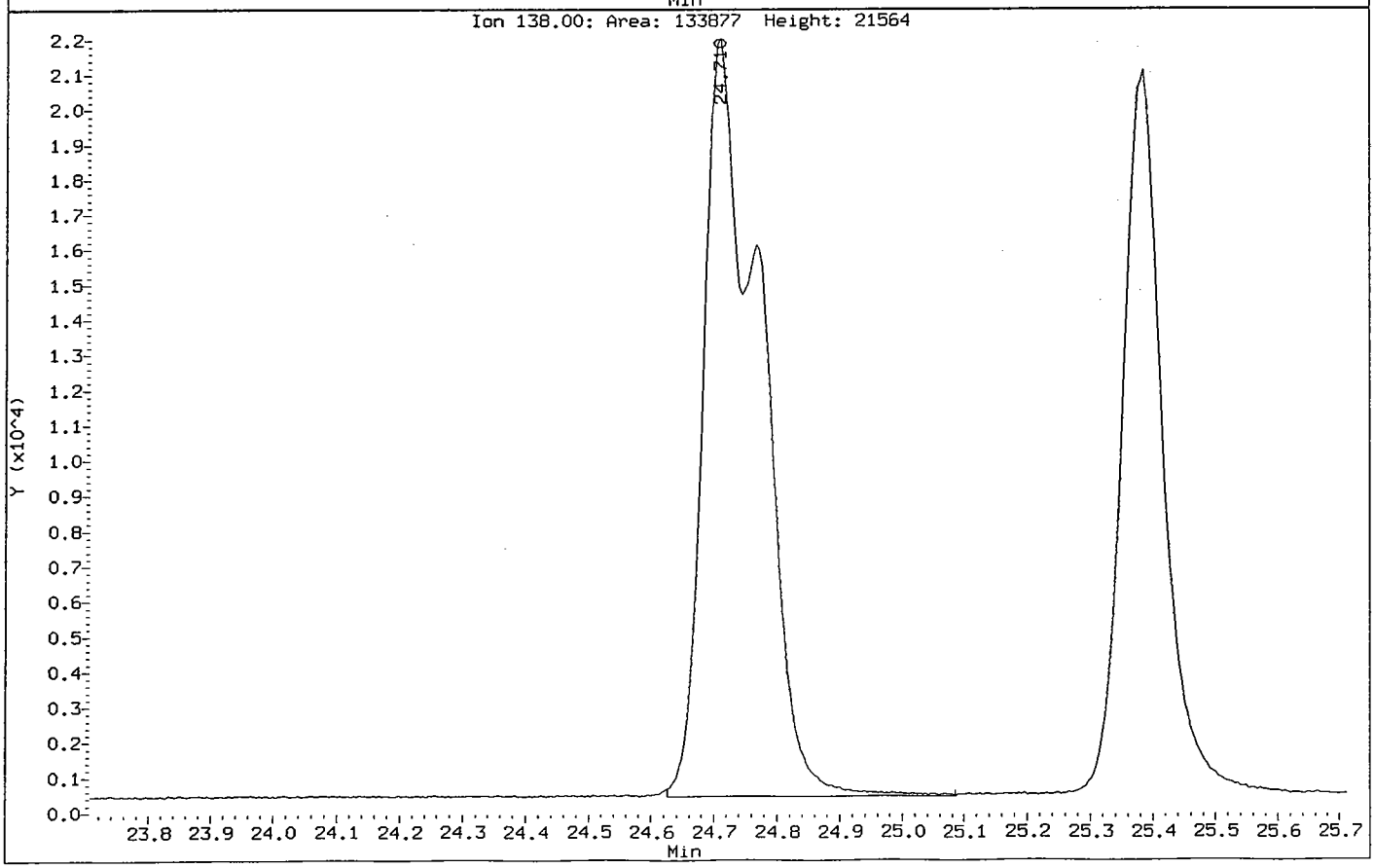


File name: /chem/5972hp70.i/DS100701B70.b/0G01012-CCV1B70.d
Client ID: SSTD003MH
Instrument ID: 5972hp70.i
Injection Date and Time: 01-JUL-2010 21:48
Retention Time: 24.71
Operator ID: TD

Data File: /chem/5972hp70.i/DS100701B70.b/0G01012-CCV1B70.d
Injection Date: 01-JUL-2010 21:48
Instrument: 5972hp70.i
Client Sample ID: SSTD003MH

Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





COMPUCHEM a Division of Liberty Analytical Corp
GC/MS SEMIVOLATILE RUN LOG
LOGBOOK 4U(4) 21 (5972hp70)

DATE 7/1/10 INITIAL TIME OF TUNE 2146 SHIFT/S (A) ____ (B) X (C) ____
TIME TUNE EXPIRES 946
METHOD: 625 ~~8270C~~ 8270D OLC03.2 OLM04.3 SOM01.2 (Circle One) or Other: ~~PAH~~ SIM: (Y)/N)
PREVENTIVE MAINTENANCE None

277

	SEQUENCE#	REJECTED	FILENAME	REJECTED	DATE	TIME	CLIENT ID	SDG#	AMOUNT INJECTED	CHEMIST	COMMENTS
1	0G01012		N/A		7/1/10	2146	FC43	–	–	TJ	2uD =SCD
2	S100701B		0G01012-CCV1B70			2148	SSTD003MH	–	2ml		
3			0052518-BLK52			2226	SBLKGC OC Run 7/6/10	1005134			
4		/	1005134-10	SL		2301	SS32-0-1				
5			11			2337	SS32D-0-1				
6			12		7/2/10	0012	SB32-2.5-3.5				
7			13			0048	SB32D-2.5-3.5				
8			14			0123	SB50-1-2				
9			15			0159	SS12-0-1				
10			16			0235	SB12-2-3				
11			17			0310	SS44-0-1				
12		/	20	IL		0346	SB43-3-4				
13			0052604-BLK1B70			0421	SBLKCK	1005757			
14		SF	0052604-BS1	SF		0457	SCULCS				
15			1005157-01			0532	SB~~SS~~73-9-1D				
16			0052604-MS1			0608	SB~~SS~~73-9-10MS				
17			0052604-MSD1			0643	SB~~SS~~73-9-10MSD				
18			1005157-02			0719	SS51-0-1				
19			03			0754	SS51D-0-1				
20			04			0829	SS90-0-1				
21			05			0905	SB90-2-3				
22			06			0940	SS70-0-1				
23											
24											

07/07/10

07-02-10

DFTPP Lot #/Exp. Date: N/A
Calibration STD Lot#/Exp. Date: 003 OF18002 8-18-10
Internal STD Lot#/Exp. Date: 040 DF18001 11-18-10
Methylene Chloride Lot#/Exp. Date: J17500 6-8-15
Column Type: RTX-5ms 0.32mm

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

REVIEWED BY: RMead DATE 7/2/10
7/27/09:jr

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Instrument ID: 5972HP70 Calibration Date: 07/02/10 Time: 1030

Lab File ID: 0G02006-CCV1A7 Init. Calib. Date(s): 06/30/10 06/30/10

Init. Calib. Times: 1311 1533

GC Column: RTX-5MS ID: 0.32 (mm)

COMPOUND	RRF or AMOUNT	RRF3.0000 or AMOUNT	CCAL RRF3.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Naphthalene	1.2770000	1.2230558	1.2230558	0.01	-4.22	50.00	AVRG
2-Methylnaphthalene	0.6020000	0.5539292	0.5539292	0.01	-7.98	50.00	AVRG
Acenaphthylene	1.8870000	1.9682377	1.9682377	0.01	4.30	50.00	AVRG
Acenaphthene	1.1970000	1.1542158	1.1542158	0.01	-3.57	20.00	AVRG
Fluorene	1.5040000	1.4635796	1.4635796	0.01	-2.69	50.00	AVRG
Phenanthrene	1.0910000	0.9226145	0.9226145	0.01	-15.43	50.00	AVRG
Anthracene	1.0020000	1.1695690	1.1695690	0.01	16.72	50.00	AVRG
Fluoranthene	1.0720000	1.0536308	1.0536308	0.01	-1.71	20.00	AVRG
Pyrene	1.4450000	1.3723875	1.3723875	0.01	-5.02	50.00	AVRG
Benzo(a)anthracene	1.0530000	1.1169082	1.1169082	0.01	6.07	50.00	AVRG
Chrysene	1.2540000	1.1954891	1.1954891	0.01	-4.66	50.00	AVRG
Benzo(b)fluoranthene	1.1700000	1.0164820	1.0164820	0.01	-13.12	50.00	AVRG
Benzo(k)fluoranthene	1.4480000	1.3443823	1.3443823	0.01	-7.16	50.00	AVRG
Benzo(a)pyrene	1.1060000	1.0826294	1.0826294	0.01	-2.11	20.00	AVRG
Indeno(1,2,3-cd)pyrene	2.9172357	3.0000000	0.9437149	0.01	-2.76	50.00	LINR
Dibenzo(a,h)anthracene	0.9780000	0.9433305	0.9433305	0.01	-3.54	50.00	AVRG
Benzo(g,h,i)perylene	1.0800000	0.9349843	0.9349843	0.01	-13.43	50.00	AVRG
Nitrobenzene-d5	0.6470000	0.5716383	0.5716383	0.01	-11.65	50.00	AVRG
2-Fluorobiphenyl	1.3780000	1.3798892	1.3798892	0.01	0.14	50.00	AVRG
Terphenyl-d14	0.7120000	0.7060379	0.7060379	0.01	-0.84	50.00	AVRG

FORM VII SV

Data File: /chem/5972hp70.i/DS100702A70.b/0G02006-CCV1A70.d
Report Date: 06-Jul-2010 16:43

CompuChem

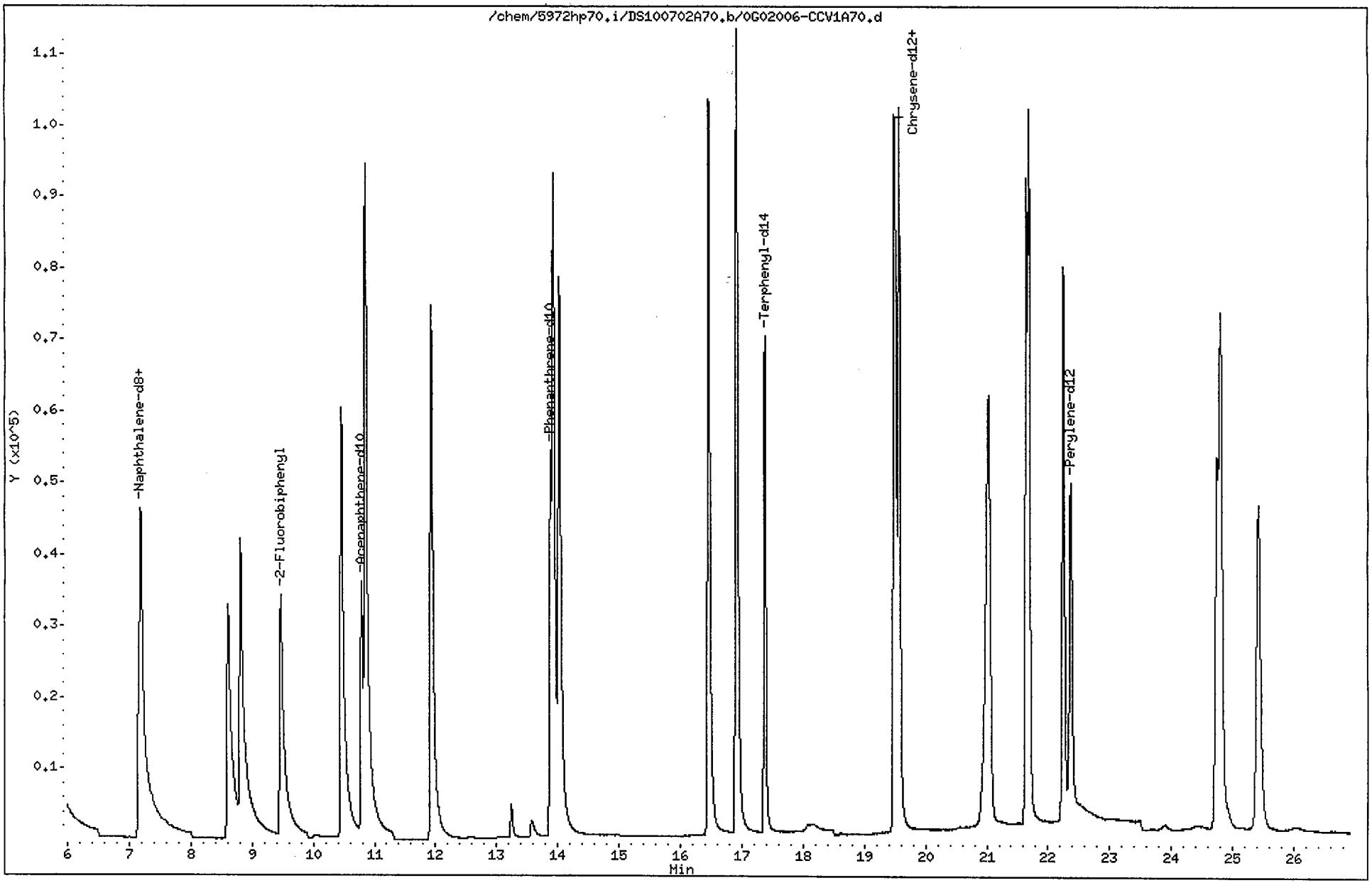
CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 5972hp70.i Injection Date: 02-JUL-2010 10:30
Lab File ID: 0G02006-CCV1A70 Init. Cal. Date(s): 30-JUN-2010 30-JUN-2010
Analysis Type: WATER Init. Cal. Times: 13:11 15:33
Lab Sample ID: 0G02006-CCV1 Quant Type: ISTD
Method: /chem/5972hp70.i/DS100702A70.b/SIM_8270Cv3DOD.m

			CCAL	MIN		MAX	
COMPOUND	RRF / AMOUNT	RF3	RRF3	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
$ 9 Nitrobenzene-d5	0.64721	0.57164	0.57164	0.010	-11.67648	50.00000	Averaged
$ 10 2-Fluorobiphenyl	1.37837	1.37989	1.37989	0.010	0.11022	50.00000	Averaged
$ 12 Terphenyl-d14	0.71191	0.70604	0.70604	0.010	-0.82537	50.00000	Averaged
13 Naphthalene	1.27717	1.22306	1.22306	0.010	-4.23740	50.00000	Averaged
15 2-Methylnaphthalene	0.60191	0.55393	0.55393	0.010	-7.97166	50.00000	Averaged
17 Acenaphthylene	1.88689	1.96824	1.96824	0.010	4.31110	50.00000	Averaged
18 Acenaphthene	1.19733	1.15422	1.15422	0.010	-3.60124	20.00000	Averaged
21 Fluorene	1.50425	1.46358	1.46358	0.010	-2.70378	50.00000	Averaged
25 Phenanthrene	1.09161	0.92261	0.92261	0.010	-15.48129	50.00000	Averaged
26 Anthracene	1.00168	1.16957	1.16957	0.010	16.76124	50.00000	Averaged
27 Fluoranthene	1.07190	1.05363	1.05363	0.010	-1.70421	20.00000	Averaged
28 Pyrene	1.44536	1.37239	1.37239	0.010	-5.04849	50.00000	Averaged
29 Benzo(a)anthracene	1.05306	1.11691	1.11691	0.010	6.06306	50.00000	Averaged
30 Chrysene	1.25362	1.19549	1.19549	0.010	-4.63707	50.00000	Averaged
31 Benzo(b)fluoranthene	1.17039	1.01648	1.01648	0.010	-13.14982	50.00000	Averaged
32 Benzo(k)fluoranthene	1.44760	1.34438	1.34438	0.010	-7.13052	50.00000	Averaged
33 Benzo(a)pyrene	1.10553	1.08263	1.08263	0.010	-2.07129	20.00000	Averaged
34 Indeno(1,2,3-cd)pyrene	2.91724	3.00000	0.94371	0.010	-2.75881	50.00000	Linear
35 Dibenzo(a,h)anthracene	0.97766	0.94333	0.94333	0.010	-3.51133	50.00000	Averaged
36 Benzo(g,h,i)perylene	1.08066	0.93498	0.93498	0.010	-13.48061	50.00000	Averaged

Data File: /chem/5972hp70.i/DS100702A70.b/0G02006-CCV1A70.d
Date : 02-JUL-2010 10:30
Client ID: SSTD003MI
Sample Info: SSTD003MI:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100702A70.b/0G02006-CCV1A70.d
Report Date: 06-Jul-2010 16:43

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100702A70.b/0G02006-CCV1A70.d
Lab Smp Id: 0G02006-CCV1 Client Smp ID: SSTD003MI
Inj Date : 02-JUL-2010 10:30
Operator : OWS Inst ID: 5972hp70.i
Smp Info : SSTD003MI:OWS
Misc Info : SSTD003MI
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100702A70.b/SIM_8270Cv3DOD.m
Meth Date : 06-Jul-2010 16:42 mead Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	4.836	4.836	(1.000)	21727	2.00000	
*	2 Naphthalene-d8	136	7.153	7.153	(1.000)	98104	2.00000	
*	3 Acenaphthene-d10	164	10.790	10.790	(1.000)	66515	2.00000	
*	4 Phenanthrene-d10	188	13.885	13.885	(1.000)	136843	2.00000	
*	5 Chrysene-d12	240	19.516	19.516	(1.000)	111435	2.00000	
*	6 Perylene-d12	264	22.366	22.366	(1.000)	109271	2.00000	
$	9 Nitrobenzene-d5	82	5.881	5.881	(0.822)	84120	3.00000	2.6
$	10 2-Fluorobiphenyl	172	9.468	9.468	(0.877)	137675	3.00000	3.0
$	12 Terphenyl-d14	244	17.371	17.371	(0.890)	118016	3.00000	3.0
	13 Naphthalene	128	7.192	7.192	(1.005)	179980	3.00000	2.9
	15 2-Methylnaphthalene	141	8.604	8.604	(1.203)	81514	3.00000	2.8
	17 Acenaphthylene	152	10.461	10.461	(0.970)	196376	3.00000	3.1
	18 Acenaphthene	154	10.849	10.849	(1.005)	115159	3.00000	2.9
	21 Fluorene	166	11.927	11.927	(1.105)	146025	3.00000	2.9
	25 Phenanthrene	178	13.929	13.929	(1.003)	189380	3.00000	2.5

Data File: /chem/5972hp70.i/DS100702A70.b/0G02006-CCV1A70.d
Report Date: 06-Jul-2010 16:43

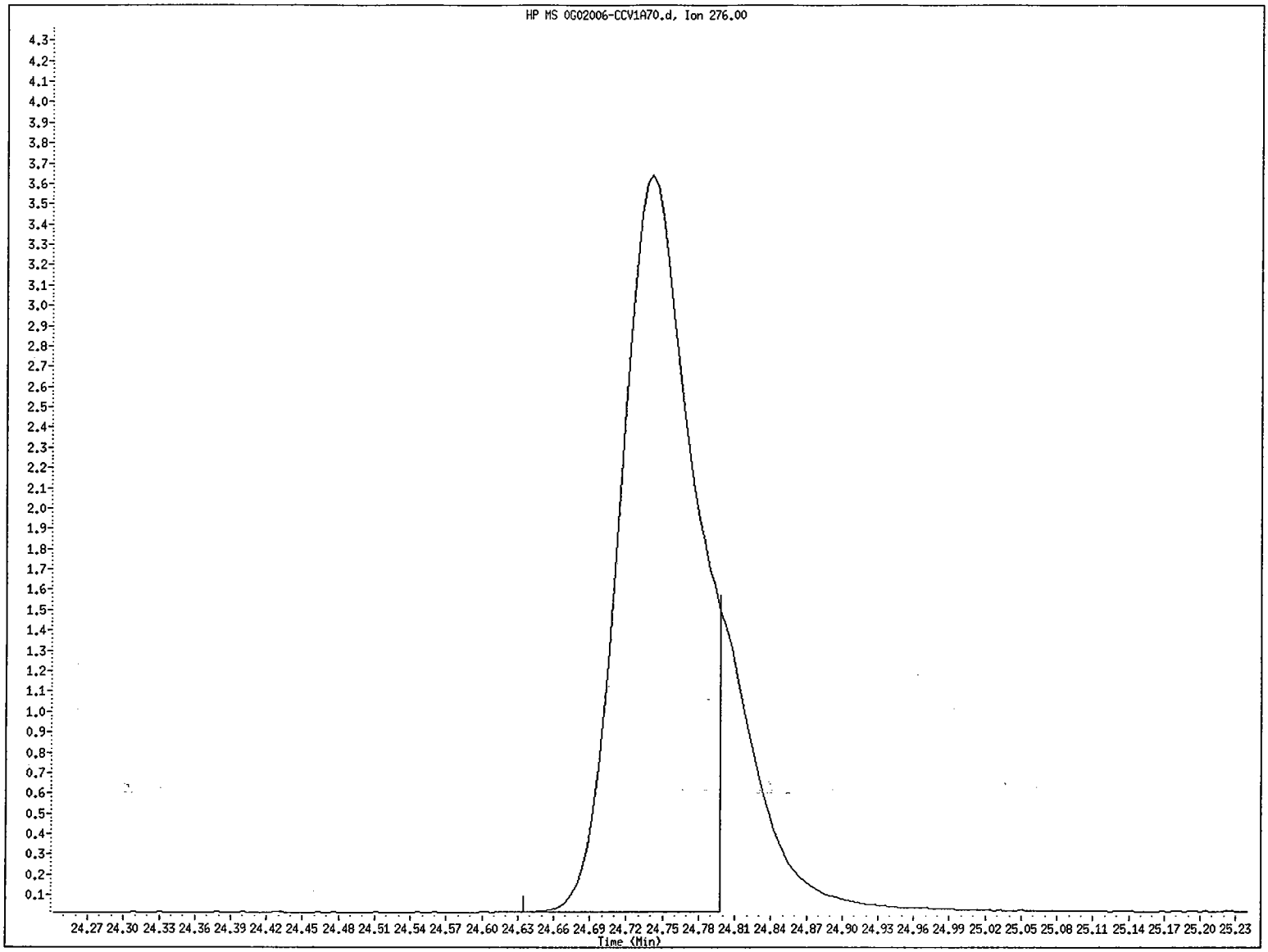
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	14.021	14.021	(1.010)	240071	3.00000	3.5
27 Fluoranthene	202	16.458	16.458	(1.185)	216273	3.00000	2.9
28 Pyrene	202	16.908	16.908	(0.866)	229398	3.00000	2.8
29 Benzo(a)anthracene	228	19.481	19.481	(0.998)	186694	3.00000	3.2
30 Chrysene	228	19.565	19.565	(1.002)	199829	3.00000	2.9
31 Benzo(b)fluoranthene	252	21.638	21.638	(0.967)	166608	3.00000	2.6
32 Benzo(k)fluoranthene	252	21.682	21.682	(0.969)	220353	3.00000	2.8
33 Benzo(a)pyrene	252	22.242	22.242	(0.994)	177450	3.00000	2.9
34 Indeno(1,2,3-cd)pyrene	276	24.741	24.741	(1.106)	154681	3.00000	2.9(M)
35 Dibenzo(a,h)anthracene	278	24.802	24.802	(1.109)	154618	3.00000	2.9
36 Benzo(g,h,i)perylene	276	25.416	25.416	(1.136)	153250	3.00000	2.6

2 pm 7/6/10

QC Flag Legend

M - Compound response manually integrated.

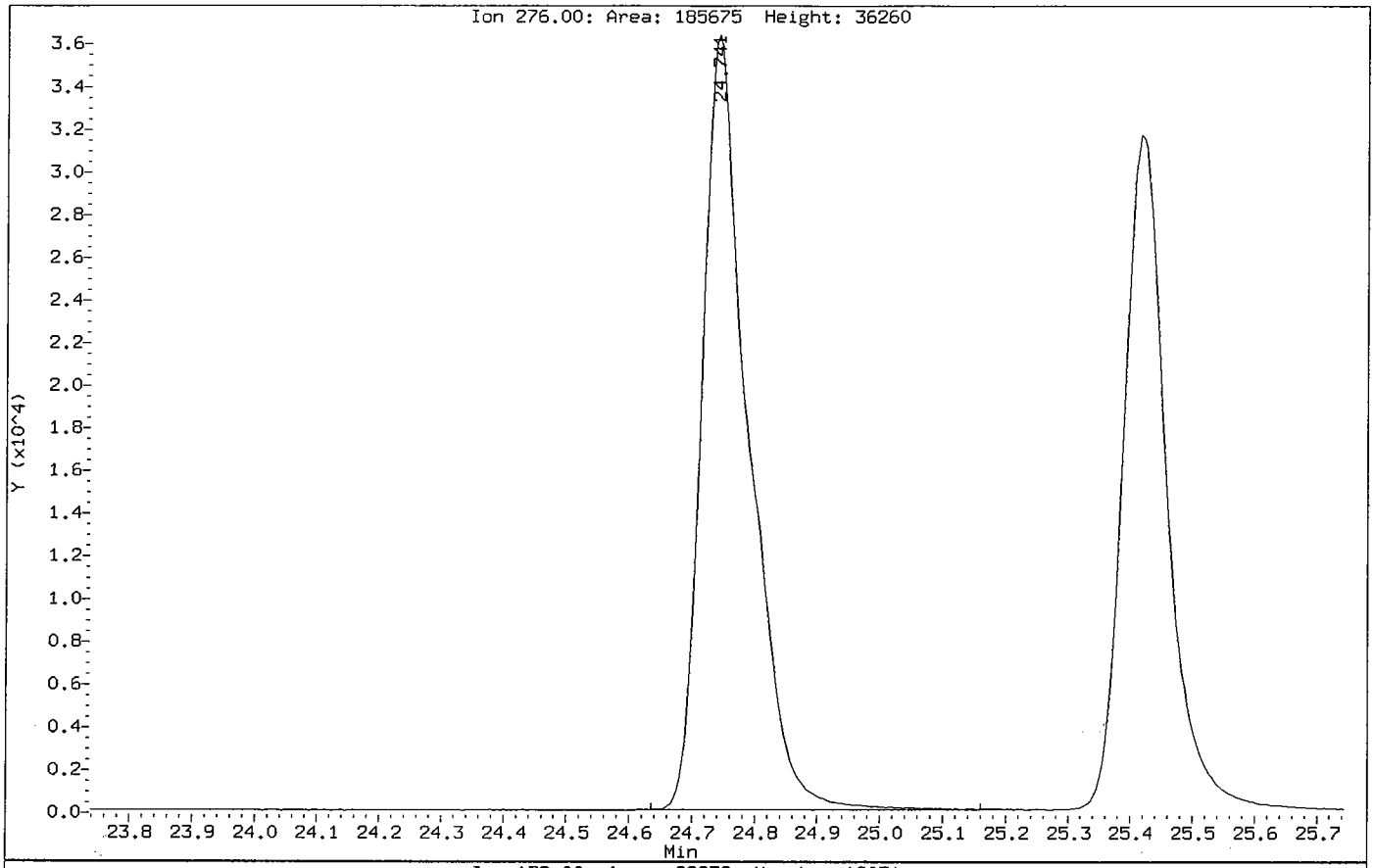
Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 154681 Manually integrated

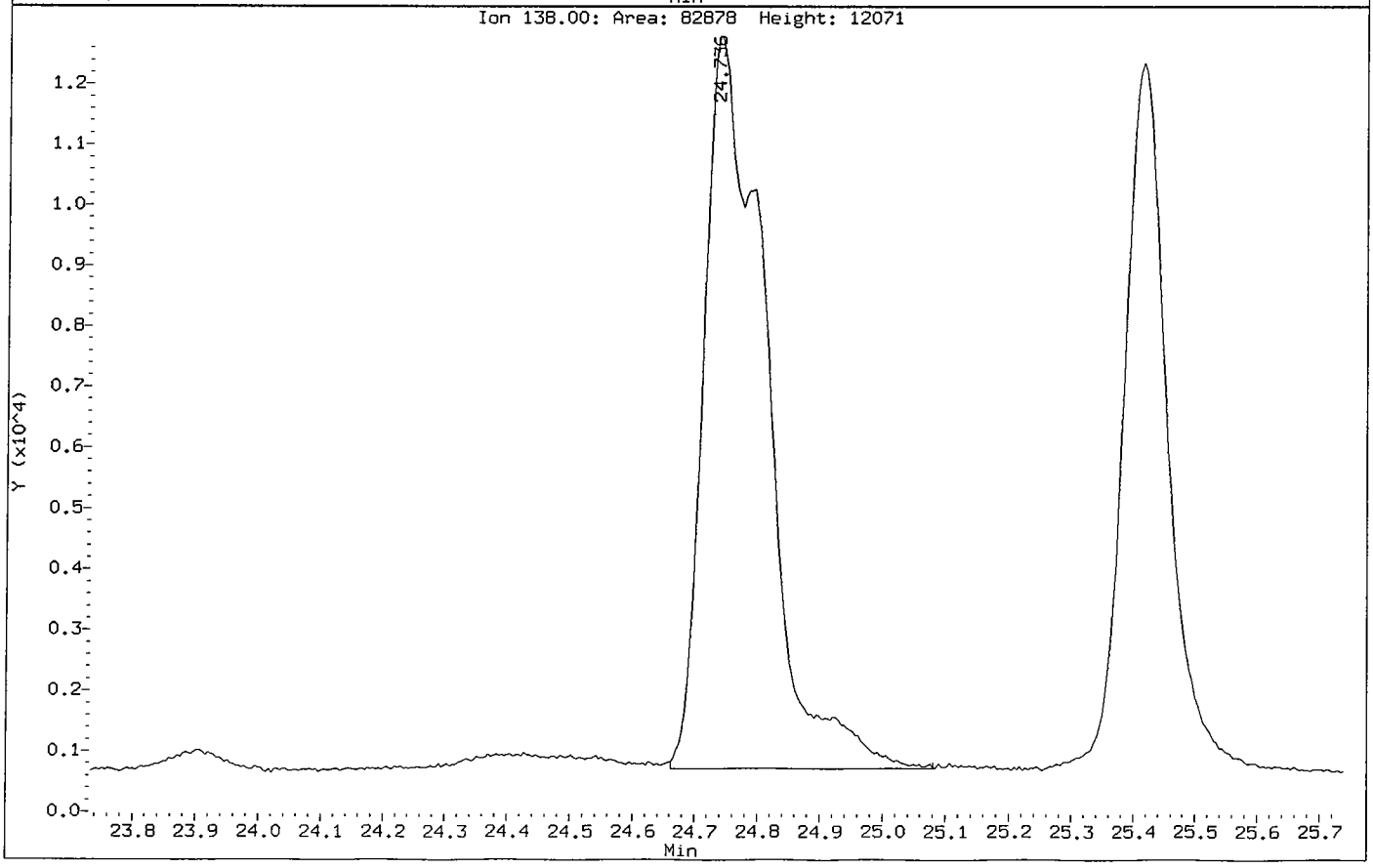


File name: /chem/5972hp70.i/DS100702A70.b/0G02006-CCV1A70.d
Client ID: SSTD003MI
Instrument ID: 5972hp70.i
Injection Date and Time: 02-JUL-2010 10:30
Retention Time: 24.74
Operator ID: OWS

Data File: /chem/5972hp70.i/DS100702A70.b/0G02006-CCV1A70.d
Injection Date: 02-JUL-2010 10:30
Instrument: 5972hp70.i
Client Sample ID: SSTD003MI

Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





COMPUCHEM a Division of Liberty Analytical Corp
GC/MS SEMIVOLATILE RUN LOG
LOGBOOK 4U(4) 21 (5972hp70)

DATE 7/2/10 INITIAL TIME OF TUNE 1022 SHIFT/S (A) X (B)____(C)____
TIME TUNE EXPIRES 2222
METHOD: 625 (8270C) 8270D OLC03.2 OLM04.3 SOM01.2 (Circle One) or Other: PAH SIM: (Y/N)
PREVENTIVE MAINTENANCE None

	SEQUENCE#	INJECTED	FILENAME	REPORTED	DATE	TIME	CLIENT ID	SDG#	AMOUNT INJECTED	CHEMIST	COMMENTS
1	0602006		NA		7/2/10	1022	FC43	—	2uL	dvo	SCD=LCD
2	S100702A		0602006-CCV1A70		/ /	1030	SSTD003MT	—			
3			1005157-07		/ /	1106	SB70-1-2	1005157			
4			08		/ /	1141	SS69-0-1				
5			09		/ /	1217	SB69-2-3				
6			10		/ /	1252	SB64-1-2				
7			11		/ /	1328	SB65-1-2				
8			12		/ /	1403	SS64-0-1				
9			13		/ /	1439	SS66-0-1				
10			14		/ /	1514	SS65-0-1				
11			15		/ /	1550	SS82-0-1				
12			16		/ /	1625	SS82D-0-1				
13			17		/ /	1701	SB82-2-3				
14			18		/ /	1736	SB82D-2-3				
15			1005134-20SAPD		/ /	1812	SB43-3-4	1005134			
16					/ /						
17					/ /						
18					/ /						
19					/ /						
20					/ /						
21					/ /						
22					/ /						
23					/ /						B 7-2-10
24											

DFTPP Lot #/Exp. Date: NA
Calibration STD Lot#/Exp. Date: 003 OF18002 8-18-10
Internal STD Lot#/Exp. Date: 040 OF18001 11-18-10
Methylene Chloride Lot#/Exp. Date: J17500 6-8-15
Column Type: RTX-5MS 0.32mm

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

REVIEWED BY: B DATE 7-2-10

7/27/09:jr

4. Raw QC Data

    a. FC43 data

    b. Blank Data

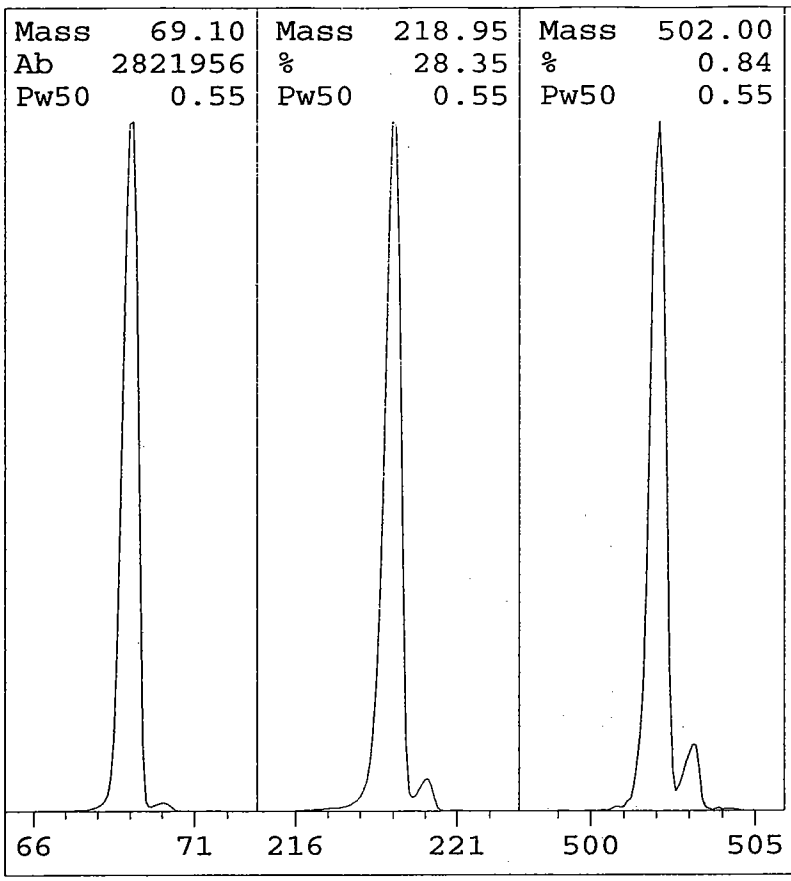
    c. Laboratory Control Sample Data

    d. Matrix Spike Data

    e. Matrix Spike Duplicate Data

a. FC43 (Calibration Gas)

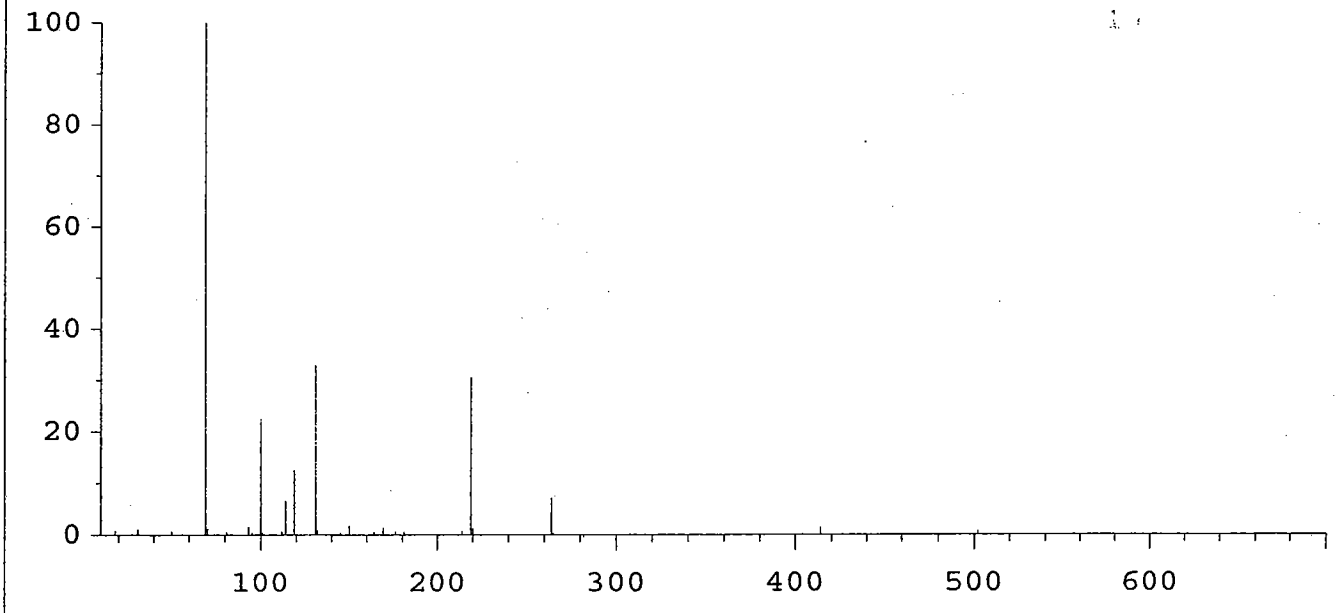
PFTBA (Perfluoro-tri-n-butylamine) scan,
showing the relative abundance of the
key ions (69, 219, and 502)
and the Instrument Operating Conditions



EMVolts	2047	AmuGain	389
Xray	21.4	AmuOffs	76
Emission	35.0	Wid219	0.057
MS Temp	161	TTI	OFF
Vacuum	34	DC Pol	POS
Samples	8	Repeller	30.07
Averages	3	IonFocus	90.0
StepSize	0.10	EntLens	0.00
MassGain	-356	EntOffs	VAR
MassOffs	4	Filament	2

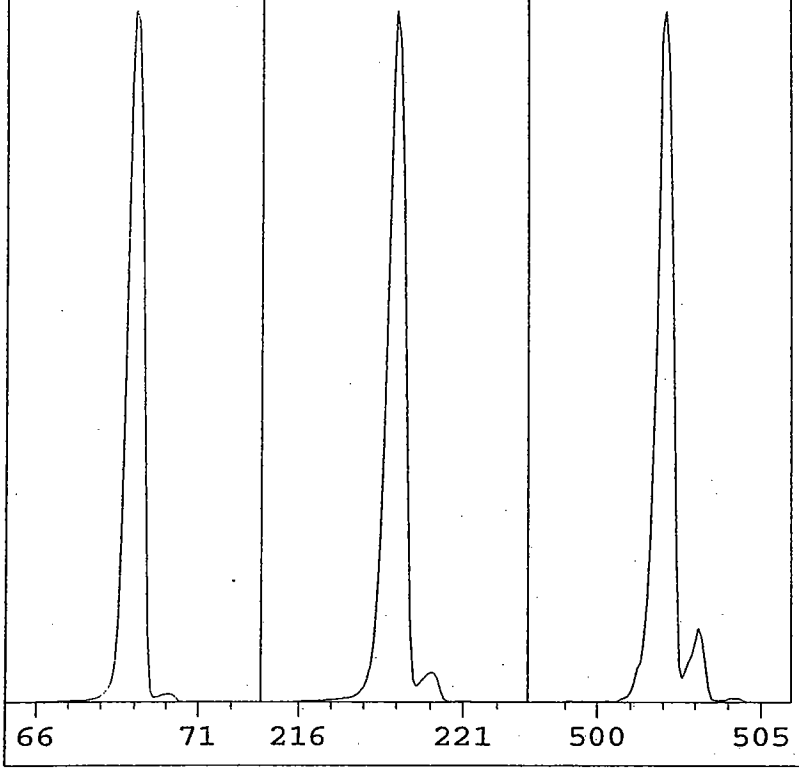
PFTBA OPEN

Scan: 10.00 - 700.00 Samples: 8 Thresh: 100
208 peaks Base: 69.00 Abundance: 2241536



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	2241536	100.00	70.10	29088	1.30
218.95	686208	30.61	219.95	30024	4.38
502.00	19488	0.87	503.00	1834	9.41

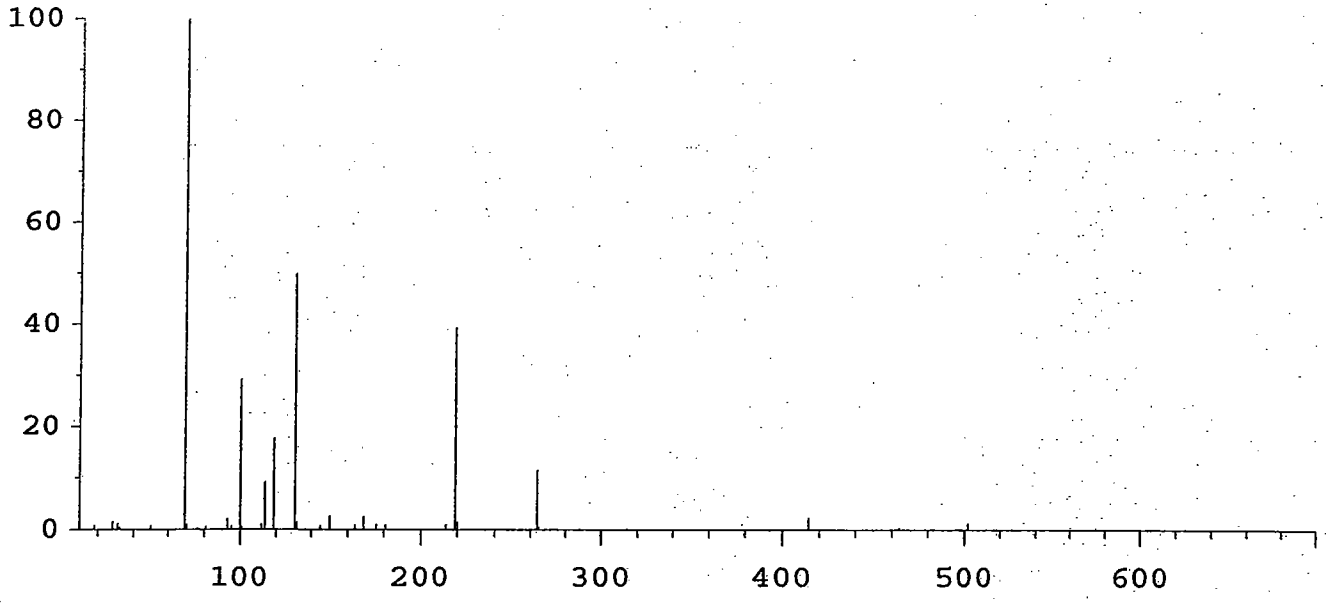
Mass	69.00	Mass	218.95	Mass	502.00
Ab	1108990	%	39.20	%	1.33
Pw50	0.56	Pw50	0.58	Pw50	0.55



EMVolts	2047	AmuGain	389
Xray	21.4	AmuOffs	76
Emission	35.0	Wid219	0.057
MS Temp	164	TTI	OFF
Vacuum	52	DC Pol	POS
Samples	8	Repeller	30.07
Averages	3	IonFocus	90.0
StepSize	0.10	EntLens	0.00
MassGain	-356	EntOffs	VAR
MassOffs	4	Filament	2

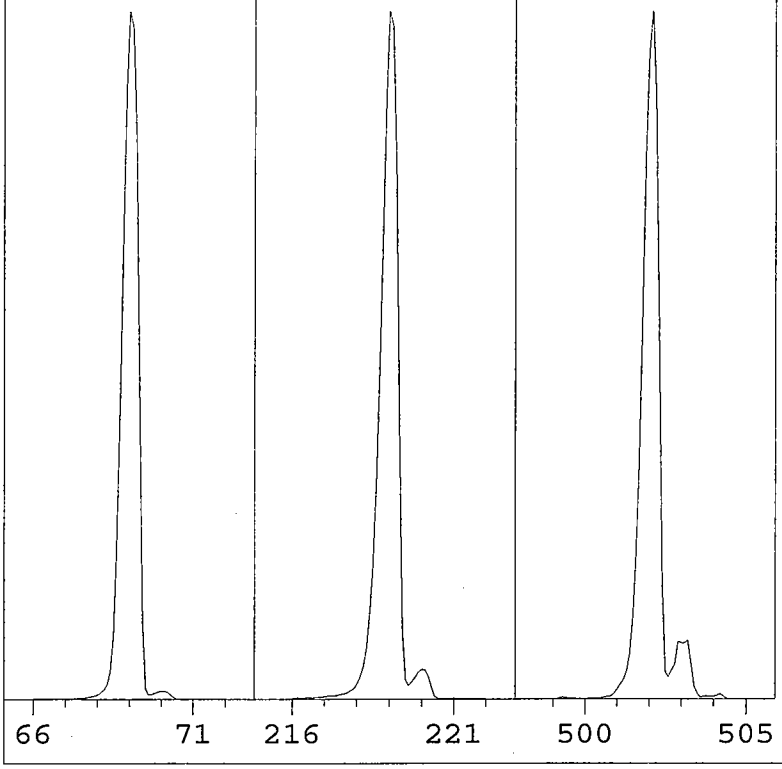
PFTBA OPEN

Scan: 10.00 - 700.00 Samples: 8 Thresh: 100
200 peaks Base: 69.00 Abundance: 936000



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	936000	100.00	70.00	10919	1.17
218.95	368960	39.42	219.95	15715	4.26
502.00	12768	1.36	503.00	1578	12.36

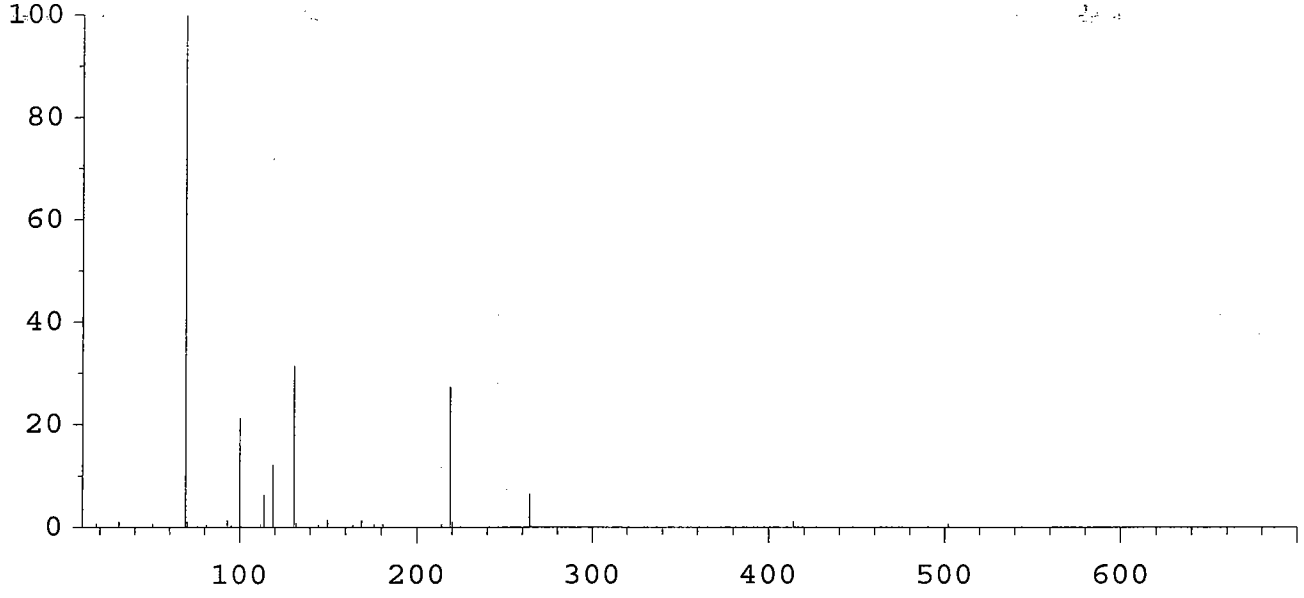
Mass	69.00	Mass	218.95	Mass	502.00
Ab	1955496	%	26.86	%	0.72
Pw50	0.56	Pw50	0.56	Pw50	0.54



EMVolts	2047	AmuGain	389
Xray	21.4	AmuOffs	76
Emission	35.0	Wid219	0.057
MS Temp	165	TTI	OFF
Vacuum	34	DC Pol	POS
Samples	8	Repeller	30.07
Averages	3	IonFocus	90.0
StepSize	0.10	EntLens	0.00
MassGain	-356	EntOffs	VAR
MassOffs	4	Filament	2

PFTBA OPEN

Scan: 10.00 - 700.00 Samples: 8 Thresh: 100
176 peaks Base: 69.00 Abundance: 1655808



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	1655808	100.00	70.00	20440	1.23
218.95	453248	27.37	219.95	19320	4.26
502.00	11939	0.72	503.00	1060	8.88

b. Blank Data

Arranged in chronological order, by extraction date.

- Tabulated Results (Form I SV)

- Chromatogram and quantitation report.

- Target compound spectra with lab-generated standard spectra.

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SBLKCU

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0052604-BLK1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0052604-BLK1B70
Analyst: TD

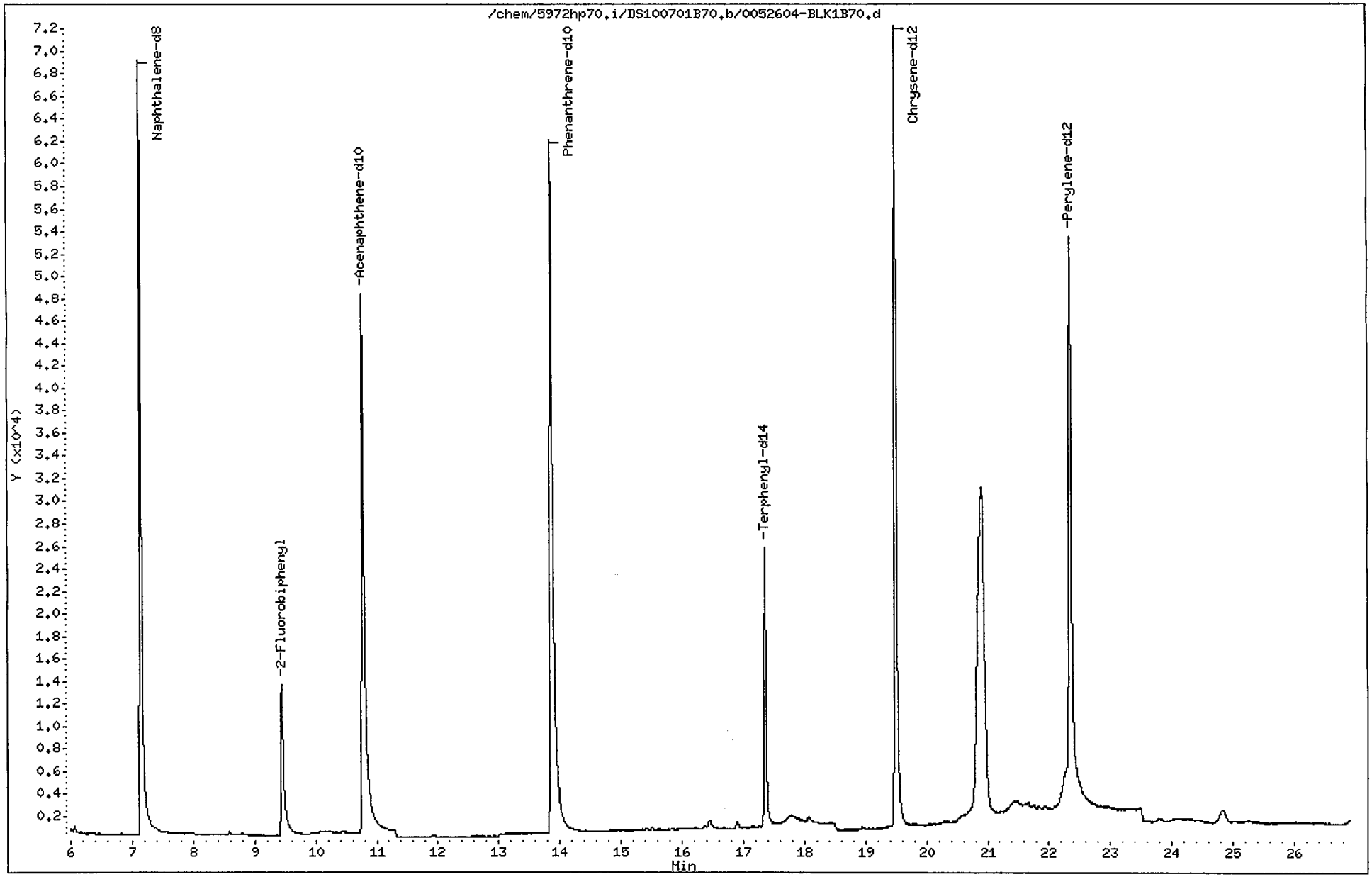
% Moisture: _____ decanted: (Y/N) ___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	ND	U
91-57-6	2-Methylnaphthalene	0.68	8.3	ND	U
208-96-8	Acenaphthylene	0.53	8.3	ND	U
83-32-9	Acenaphthene	0.60	8.3	ND	U
86-73-7	Fluorene	0.45	8.3	ND	U
85-01-8	Phenanthrene	1.3	8.3	ND	U
120-12-7	Anthracene	0.43	8.3	ND	U
206-44-0	Fluoranthene	1.3	8.3	ND	U
129-00-0	Pyrene	0.57	8.3	ND	U
56-55-3	Benzo(a)anthracene	0.57	8.3	ND	U
218-01-9	Chrysene	0.63	8.3	ND	U
205-99-2	Benzo(b)fluoranthene	0.57	8.3	ND	U
207-08-9	Benzo(k)fluoranthene	0.43	8.3	ND	U
50-32-8	Benzo(a)pyrene	0.38	8.3	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	ND	U
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp70.i/DS100701B70.b/0052604-BLK1B70.d
Date : 02-JUL-2010 04:21
Client ID: SBLKCU
Instrument: 5972hp70.i
Sample Info: 0052604-BLK1:TD
Volume Injected (uL): 2.0
Operator: TD
Column phase: Rtx-5MS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701B70.b/0052604-BLK1B70.d
Report Date: 06-Jul-2010 16:23

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701B70.b/0052604-BLK1B70.d
Lab Smp Id: 0052604-BLK1 Client Smp ID: SBLKCU
Inj Date : 02-JUL-2010 04:21
Operator : TD Inst ID: 5972hp70.i
Smp Info : 0052604-BLK1:TD
Misc Info : SBLKCU
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701B70.b/SIM_8270Cv3DOD.m
Meth Date : 06-Jul-2010 15:50 mead Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 13 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL) (1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)	
* 1 1,4-Dichlorobenzene-d4	152	4.845	4.848	(1.000)	34937	2.00000		(a)
* 2 Naphthalene-d8	136	7.146	7.162	(1.000)	136107	2.00000		(a)
* 3 Acenaphthene-d10	164	10.777	10.784	(1.000)	82217	2.00000		(a)
* 4 Phenanthrene-d10	188	13.868	13.872	(1.000)	171596	2.00000		(a)
* 5 Chrysene-d12	240	19.497	19.499	(1.000)	133684	2.00000		(a)
* 6 Perylene-d12	264	22.348	22.344	(1.000)	119311	2.00000		(a)
$ 9 Nitrobenzene-d5	82	5.878	5.880	(0.822)	26854	0.60970	10	
$ 10 2-Fluorobiphenyl	172	9.442	9.460	(0.876)	32972	0.58190	9.7	
$ 12 Terphenyl-d14	244	17.358	17.362	(0.890)	43016	0.90397	15	
13 Naphthalene	128	Compound Not Detected.						
15 2-Methylnaphthalene	141	Compound Not Detected.						
17 Acenaphthylene	152	Compound Not Detected.						
18 Acenaphthene	154	Compound Not Detected.						

pur 7/6/10

Data File: /chem/5972hp70.i/DS100701B70.b/0052604-BLK1B70.d
Report Date: 06-Jul-2010 16:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

EXTRACTION WORKSHEET

ASSIGNED TO: R. McKOY, T. WILLIAMS

Low Level Soil S-V Method 3550B for 8270C

CompuChem

EMP ID NUMBER: 2171 / 1289

176 SIM 5-26-2

DATE/TIME EXTRACTED: 5-26-10 @ 1215

BATCH NO. 0052604

	COMPUCHEM NUMBER	CLIENT SAMPLE ID	QC SAMPLE TYPE	SAMPLE WEIGHT (g)	FINAL VOLUME (ml)	COMMENTS
1	0052604-BLK1	SBLKCU	MB	30.0	1.0	TMW 5-26-10
2	0052604-BS1	SCULCS	LCS	30.0	1.0	
3	0052604-MS1	SS73-9-10MS	MS	30.0	1.0	GPC (3640A) PERFORMED Y (N)
4	0052604-MSD1	SS73-9-10MSD	MSD	30.0	1.0	TMW 5-26-10
5	1005157-01	SS73-9-10	SAMPLE	30.0	1.0	QC
6	1005157-02	SS51-0-1	SAMPLE	30.0	1.0	
7	1005157-03	SS51D-0-1	SAMPLE	30.0	1.0	
8	1005157-04	SS90-0-1	SAMPLE	30.0	1.0	
9	1005157-05	SB90-2-3	SAMPLE	30.0	1.0	
10	1005157-06	SS70-0-1	SAMPLE	30.0	1.0	
11	1005157-07	SB70-1-2	SAMPLE	30.0	1.0	
12	1005157-08	SS69-0-1	SAMPLE	30.0	1.0	
13	1005157-09	SB69-2-3	SAMPLE	30.0	1.0	
14	1005157-10	SB64-1-2	SAMPLE	30.0	1.0	
15	1005157-11	SB65-1-2	SAMPLE	30.0	1.0	
16	1005157-12	SS64-0-1	SAMPLE	30.0	1.0	
17	1005157-13	SS66-0-1	SAMPLE	30.0	1.0	
18	1005157-14	SS65-0-1	SAMPLE	30.0	1.0	
19	1005157-15	SS82-0-1	SAMPLE	30.0	1.0	
20	1005157-16	SS82D-0-1	SAMPLE	30.0	1.0	
21	1005157-17	SB82-2-3	SAMPLE	30.0	1.0	
22	1005157-18	SB82D-2-3	SAMPLE	30.0	1.0	
23						
24						TMW 5-26-10
25						
26						

TMW 5-26-10

		SVOA	Others
SURROGATE	NO.	DIL. 393	
	AMT.	0.5 ml	
	LOT	0E20026	
SPIKE	NO.		SIM VALID. SPK
	AMT.		0.5 mL
	LOT		082109-03

FINAL VOLUME VERIFIED: T. M. Williams

REVIEWED BY: TB

SURROGATE & SPIKE ADDED BY: TMW 5-26-10 (Initials Date)

Witness VG / 5-26-10 (Initials Date)

Analyst initials. Extracted TMW KD TMW N2 TMW Bottle up TMW

Balance ID: OHAUS-E900

Manufacturer and lot number of reagents/solvents used 50/50 CH_2Cl_2/CH_3COCH_3-2X8-651-3, Na_2SO_4-2X8-650-1, CH_2Cl_2-J1750

12/29/09: RM

c. Laboratory Control Sample Data

Arranged in chronological order, by extraction date.

- Tabulated Results (Form I SV)

- Chromatogram and quantitation report

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SCULCS

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0052604-BS1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0052604-BS1B70
Analyst: TD

% Moisture: 0 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

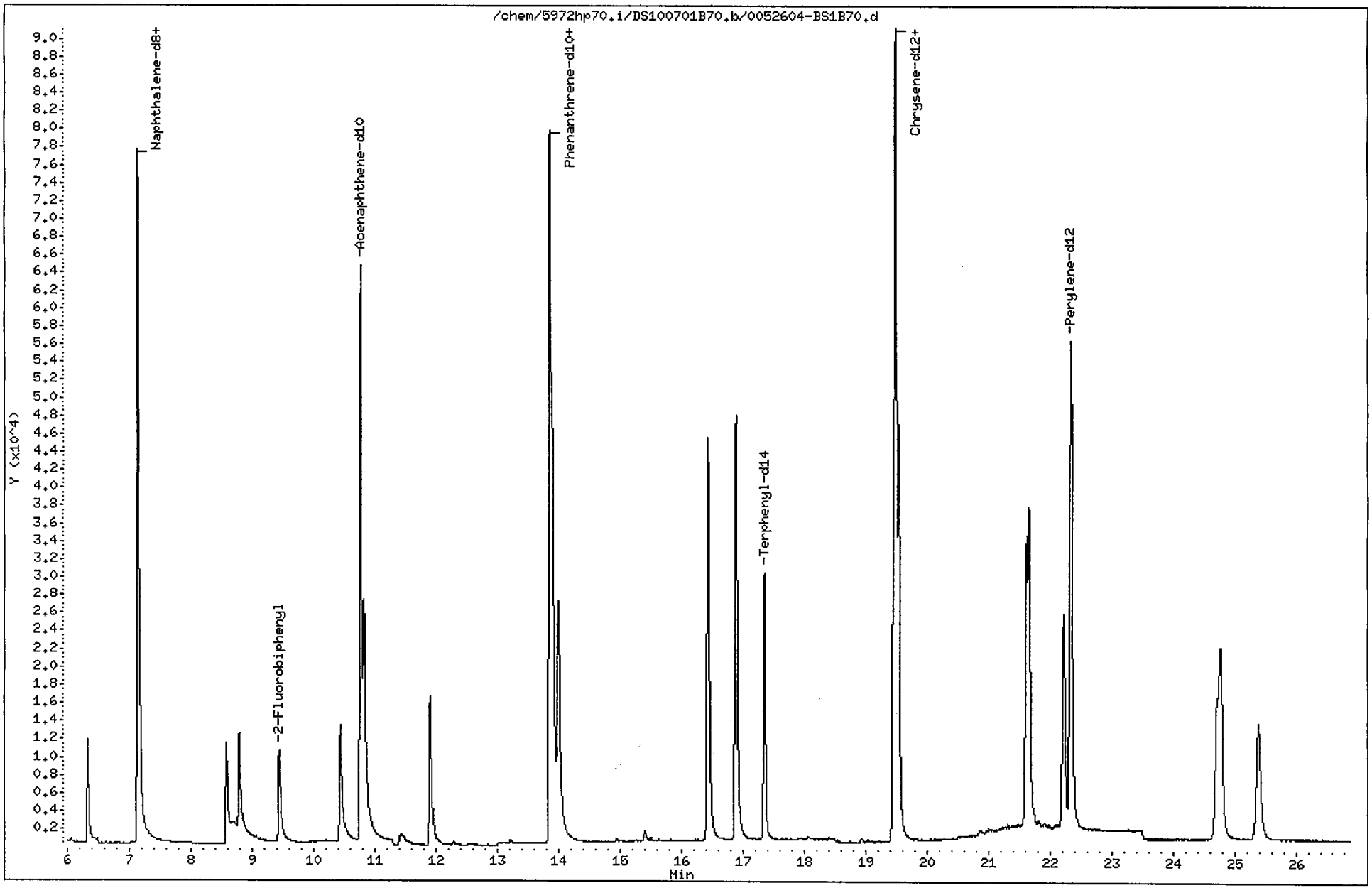
Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	5.9	J
91-57-6	2-Methylnaphthalene	0.68	8.3	6.1	J
208-96-8	Acenaphthylene	0.53	8.3	6.0	J
83-32-9	Acenaphthene	0.60	8.3	5.6	J
86-73-7	Fluorene	0.45	8.3	6.2	J
85-01-8	Phenanthrene	1.3	8.3	10	
120-12-7	Anthracene	0.43	8.3	13	
206-44-0	Fluoranthene	1.3	8.3	15	
129-00-0	Pyrene	0.57	8.3	14	
56-55-3	Benzo(a)anthracene	0.57	8.3	15	
218-01-9	Chrysene	0.63	8.3	14	
205-99-2	Benzo(b)fluoranthene	0.57	8.3	13	
207-08-9	Benzo(k)fluoranthene	0.43	8.3	13	
50-32-8	Benzo(a)pyrene	0.38	8.3	13	
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	14	
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	12	
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	11	

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100701B70.b/0052604-BS1B70.d
Date : 02-JUL-2010 04:57
Client ID: SCULCS
Instrument: 5972hp70.i
Sample Info: 0052604-BS1:TD
Volume Injected (uL): 2.0
Operator: TD
Column phase: Rtx-5MS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701B70.b/0052604-BS1B70.d
Report Date: 06-Jul-2010 16:23

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701B70.b/0052604-BS1B70.d
Lab Smp Id: 0052604-BS1 Client Smp ID: SCULCS
Inj Date : 02-JUL-2010 04:57
Operator : TD Inst ID: 5972hp70.i
Smp Info : 0052604-BS1:TD
Misc Info : SCULCS
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701B70.b/SIM_8270Cv3DOD.m
Meth Date : 06-Jul-2010 15:50 mead Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 14 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50
Processing Host: einstein

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	4.841	4.848	(1.000)	37367	2.00000	(a)
* 2 Naphthalene-d8	136	7.138	7.162	(1.000)	146603	2.00000	(a)
* 3 Acenaphthene-d10	164	10.771	10.784	(1.000)	91847	2.00000	(a)
* 4 Phenanthrene-d10	188	13.863	13.872	(1.000)	192246	2.00000	(a)
* 5 Chrysene-d12	240	19.493	19.499	(1.000)	157007	2.00000	(a)
* 6 Perylene-d12	264	22.344	22.344	(1.000)	140235	2.00000	(a)
$ 9 Nitrobenzene-d5	82	5.873	5.880	(0.823)	18508	0.39012	6.5
$ 10 2-Fluorobiphenyl	172	9.437	9.460	(0.876)	22188	0.35052	5.8(R)
$ 12 Terphenyl-d14	244	17.354	17.362	(0.890)	50200	0.89823	15
13 Naphthalene	128	7.177	7.193	(1.005)	33148	0.35407	5.9(aR)
15 2-Methylnaphthalene	141	8.578	8.596	(1.202)	16163	0.36633	6.1(aR)
17 Acenaphthylene	152	10.436	10.455	(0.969)	31446	0.36290	6.0(aR)

pm 7/6/10

Data File: /chem/5972hp70.i/DS100701B70.b/0052604-BS1B70.d
Report Date: 06-Jul-2010 16:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
18 Acenaphthene	154	10.830	10.849	(1.005)	18590	0.33809	5.6(aR)
21 Fluorene	166	11.907	11.918	(1.105)	25857	0.37430	6.2(aR)
25 Phenanthrene	178	13.907	13.916	(1.003)	63013	0.60053	10
26 Anthracene	178	14.000	14.009	(1.010)	74183	0.77046	13
27 Fluoranthene	202	16.432	16.440	(1.185)	90194	0.87538	15
28 Pyrene	202	16.886	16.894	(0.866)	92931	0.81902	14
29 Benzo(a)anthracene	228	19.457	19.468	(0.998)	74531	0.90156	15
30 Chrysene	228	19.541	19.552	(1.002)	80630	0.81930	14
31 Benzo(b)fluoranthene	252	21.625	21.625	(0.968)	64555	0.78664	13
32 Benzo(k)fluoranthene	252	21.660	21.665	(0.969)	79553	0.78376	13(M)
33 Benzo(a)pyrene	252	22.225	22.225	(0.995)	61314	0.79098	13
34 Indeno(1,2,3-cd)pyrene	276	24.715	24.710	(1.106)	45471	0.84248	14(M)
35 Dibenzo(a,h)anthracene	278	24.777	24.776	(1.109)	47880	0.69846	12
36 Benzo(g,h,i)perylene	276	25.390	25.385	(1.136)	47929	0.63253	11

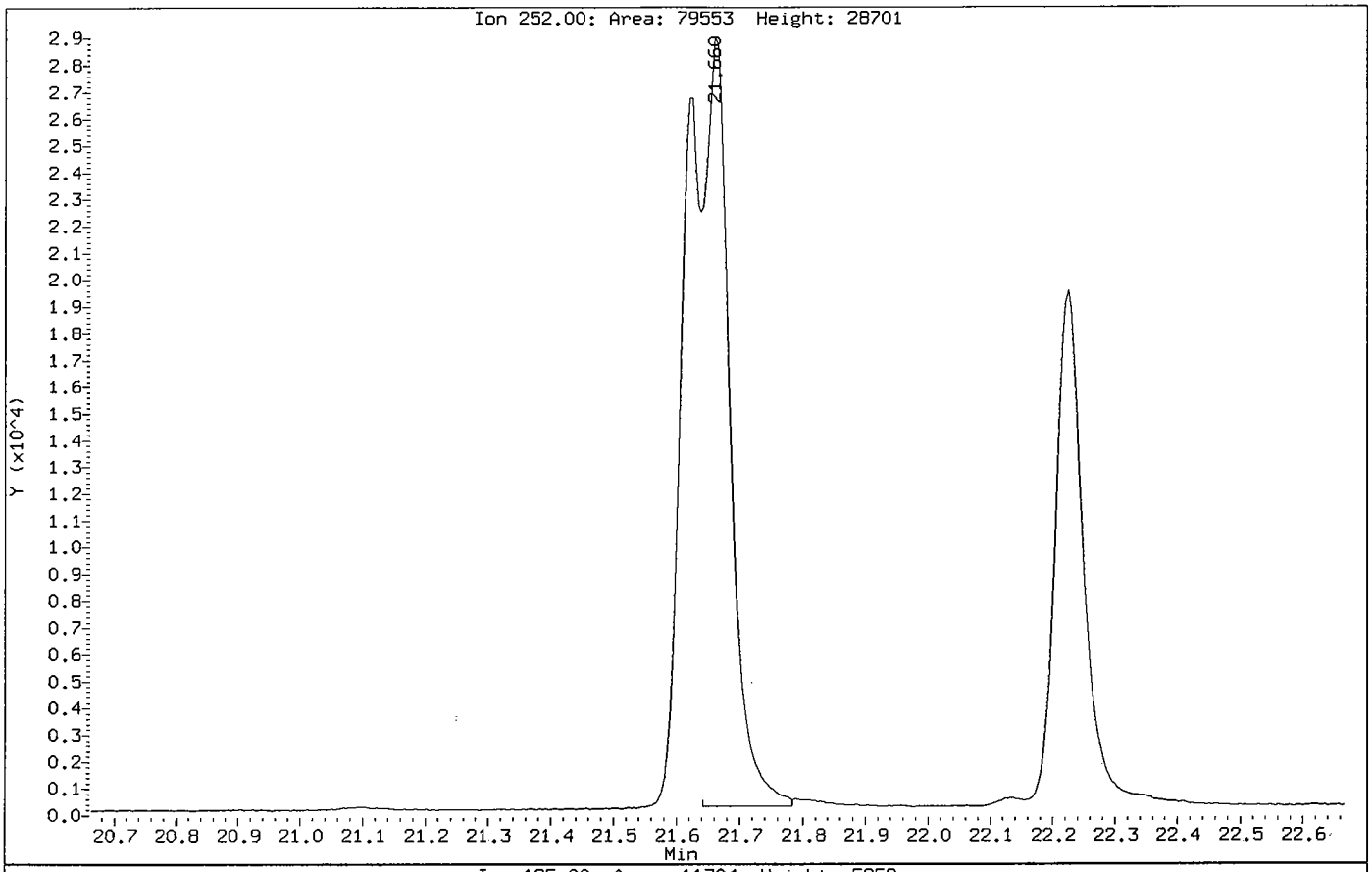
2 2 PM 7/6/10

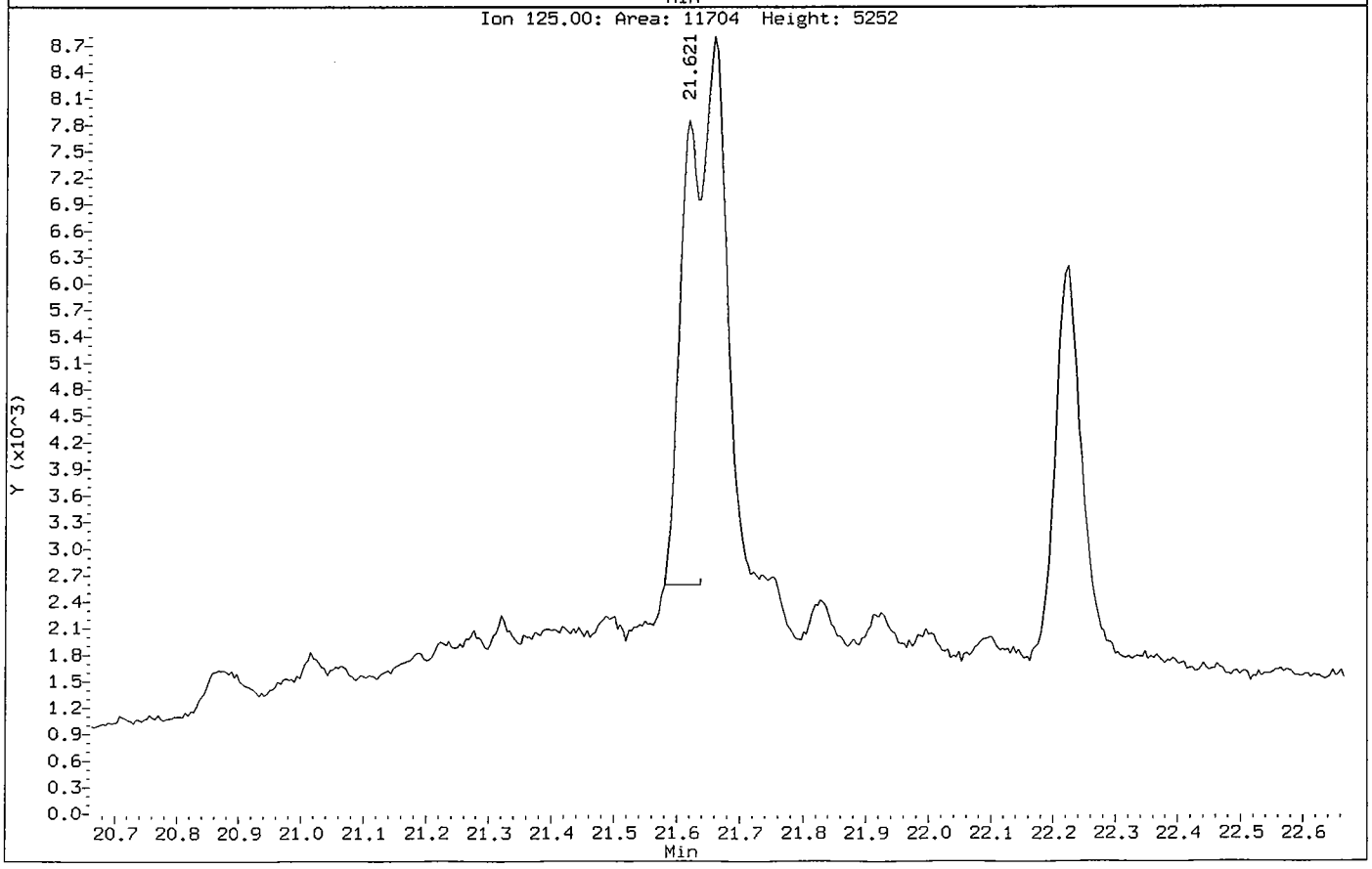
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: /chem/5972hp70.i/DS100701B70.b/0052604-BS1B70.d
Injection Date: 02-JUL-2010 04:57
Instrument: 5972hp70.i
Client Sample ID: SCULCS

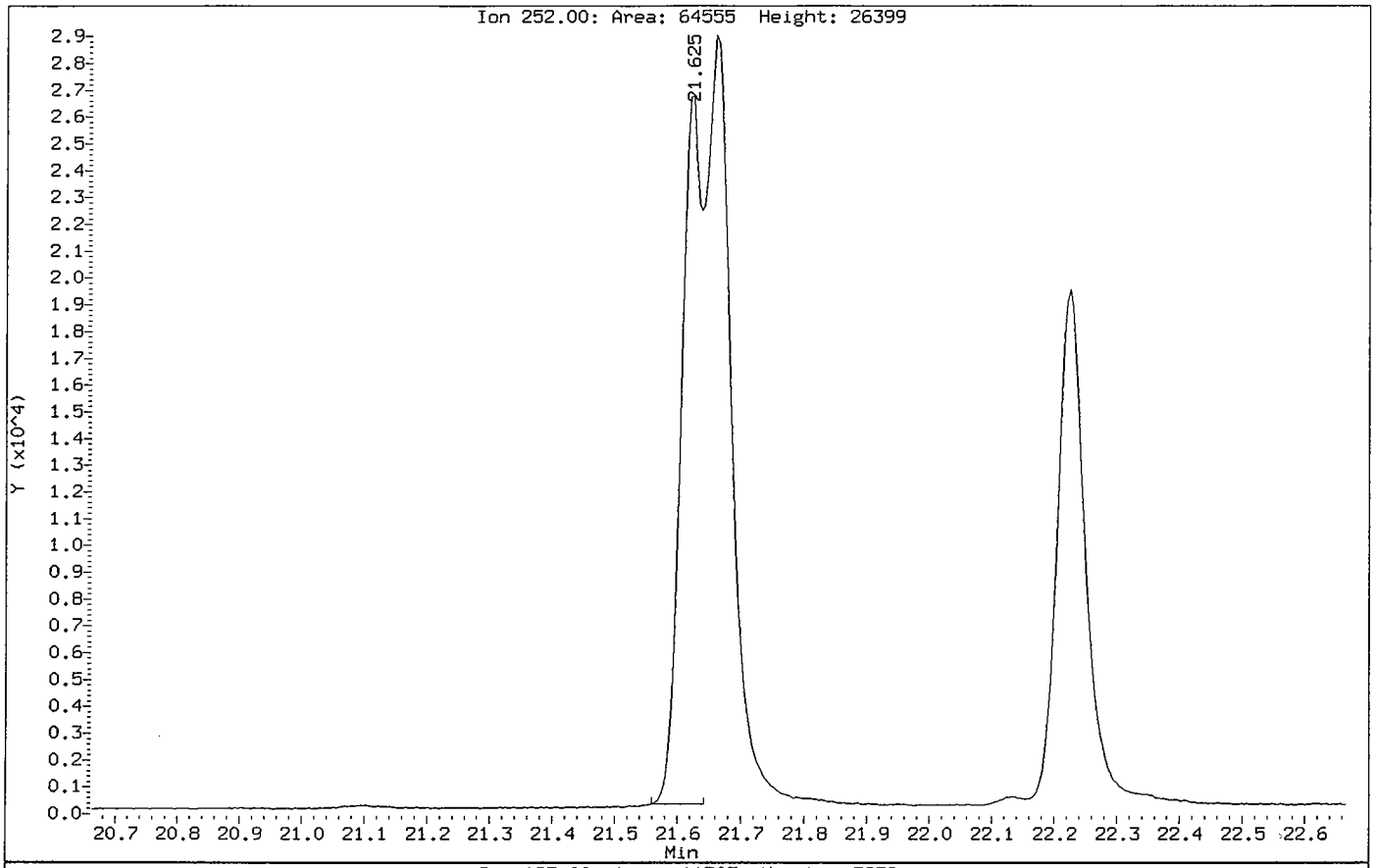
Compound: Benzo(k)fluoranthene
CAS Number: 207-08-9

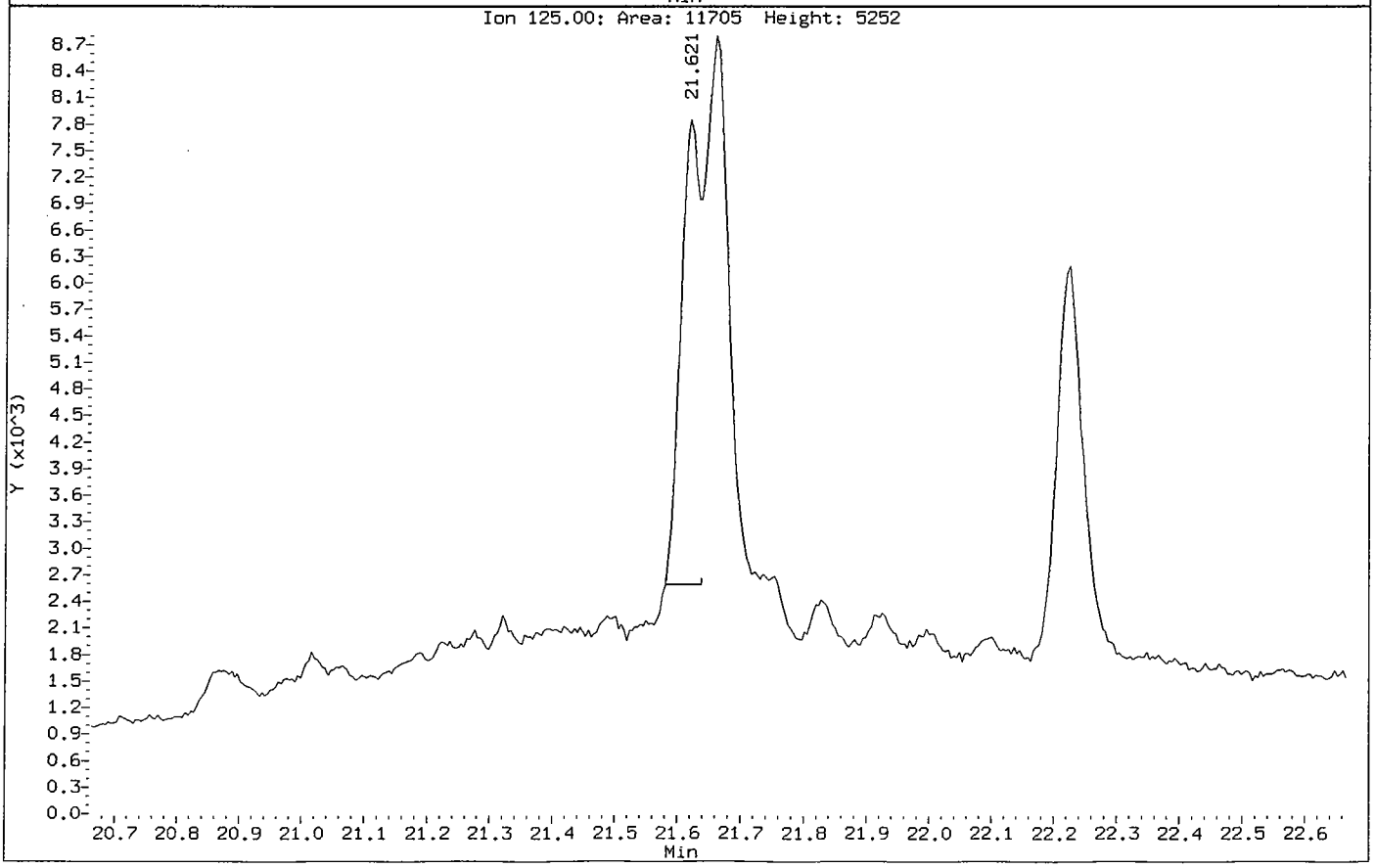




Data File: /chem/5972hp70.i/DS100701B70.b/0052604-BS1B70.d
Injection Date: 02-JUL-2010 04:57
Instrument: 5972hp70.i
Client Sample ID: SCULCS

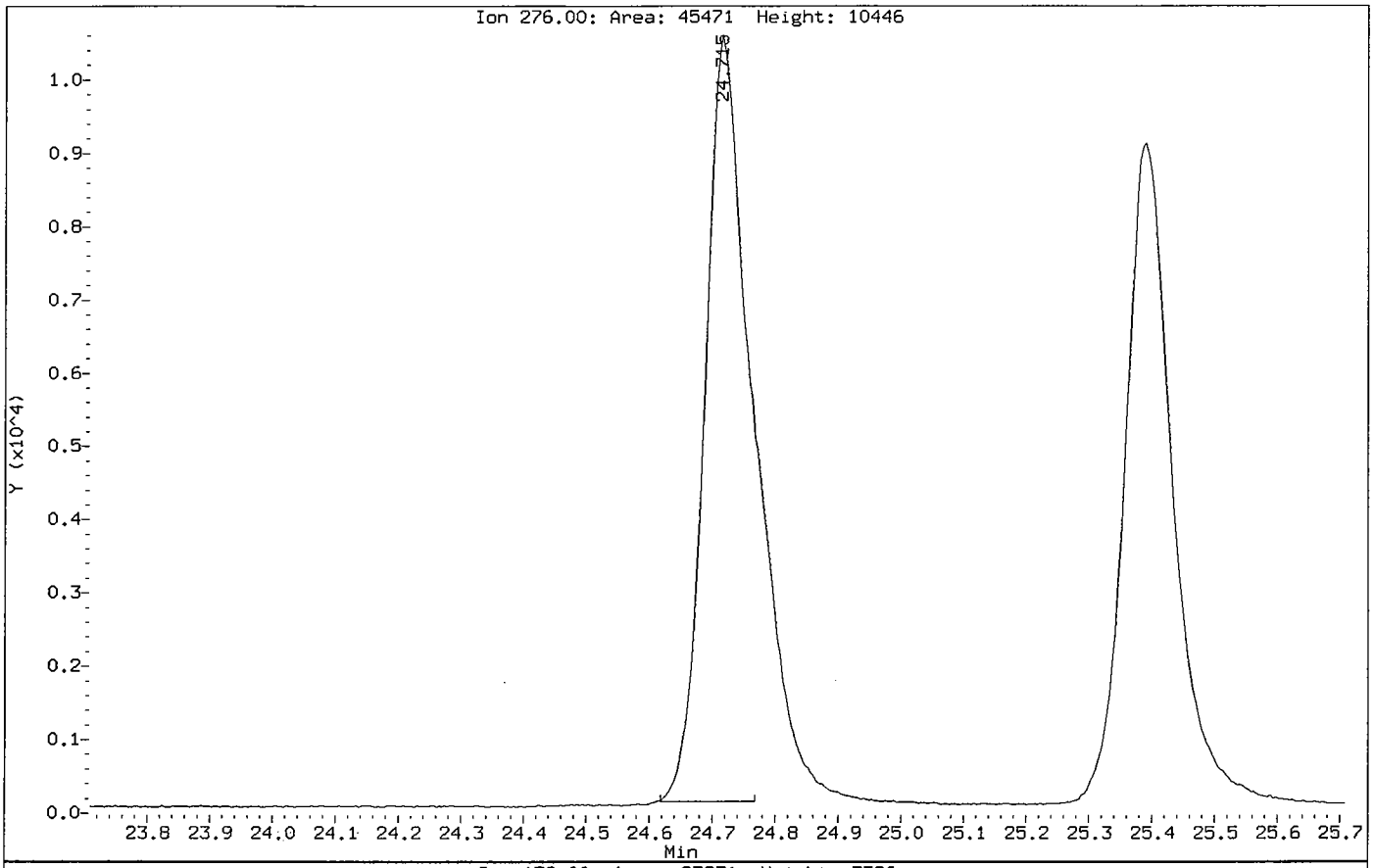
Compound: Benzo(k)fluoranthene
CAS Number: 207-08-9

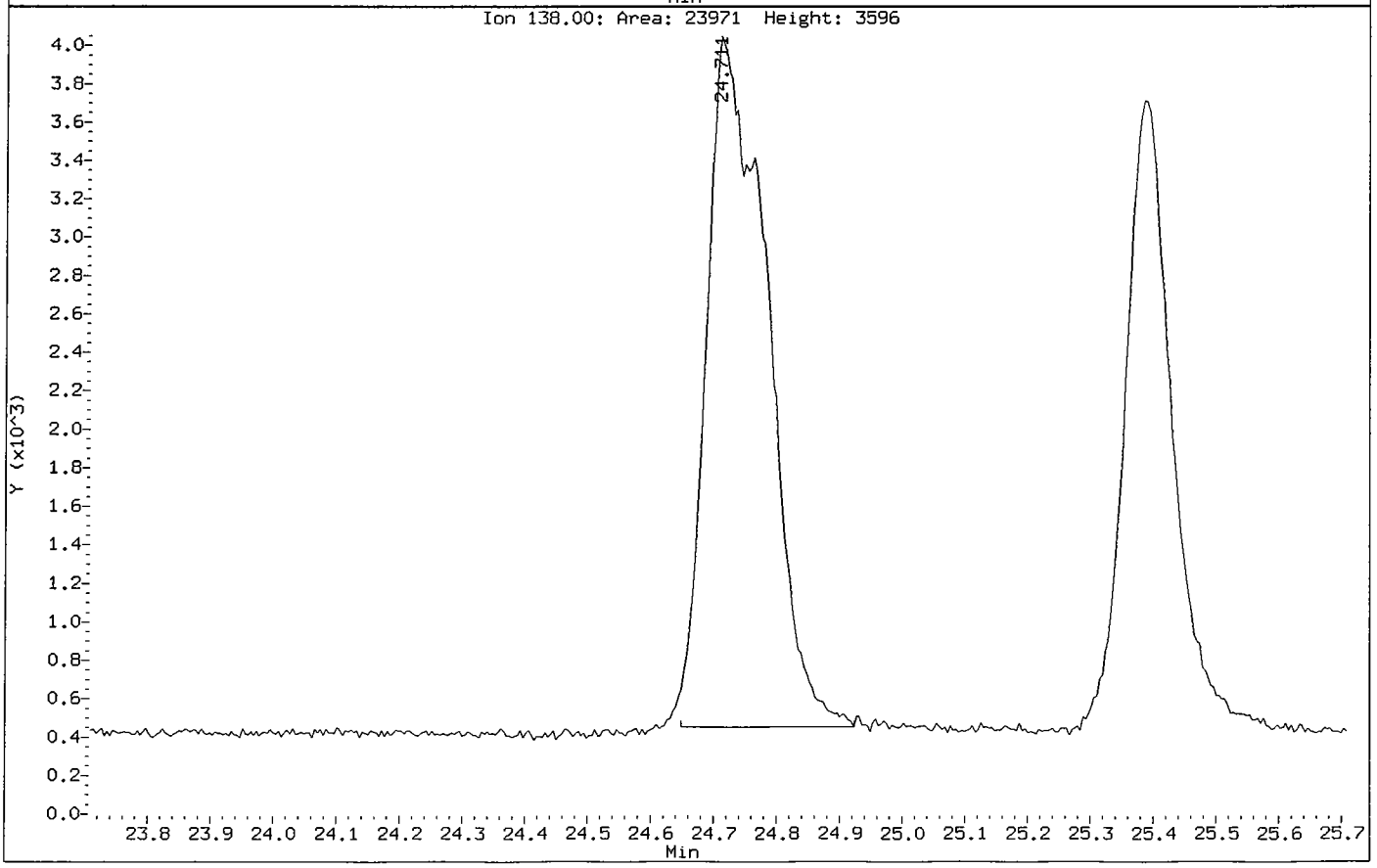




Data File: /chem/5972hp70.i/DS100701B70.b/0052604-BS1B70.d
Injection Date: 02-JUL-2010 04:57
Instrument: 5972hp70.i
Client Sample ID: SCULCS

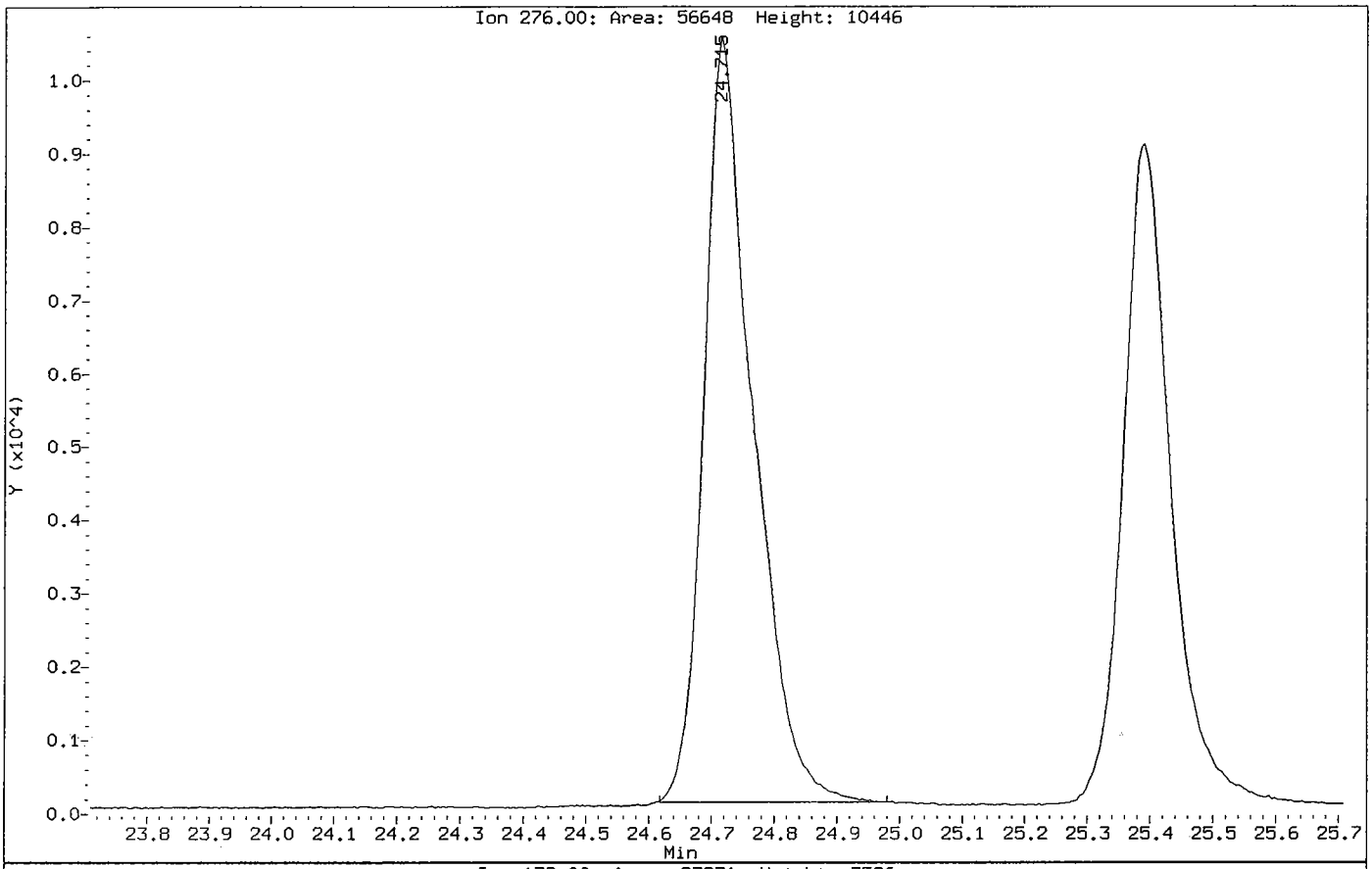
Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5

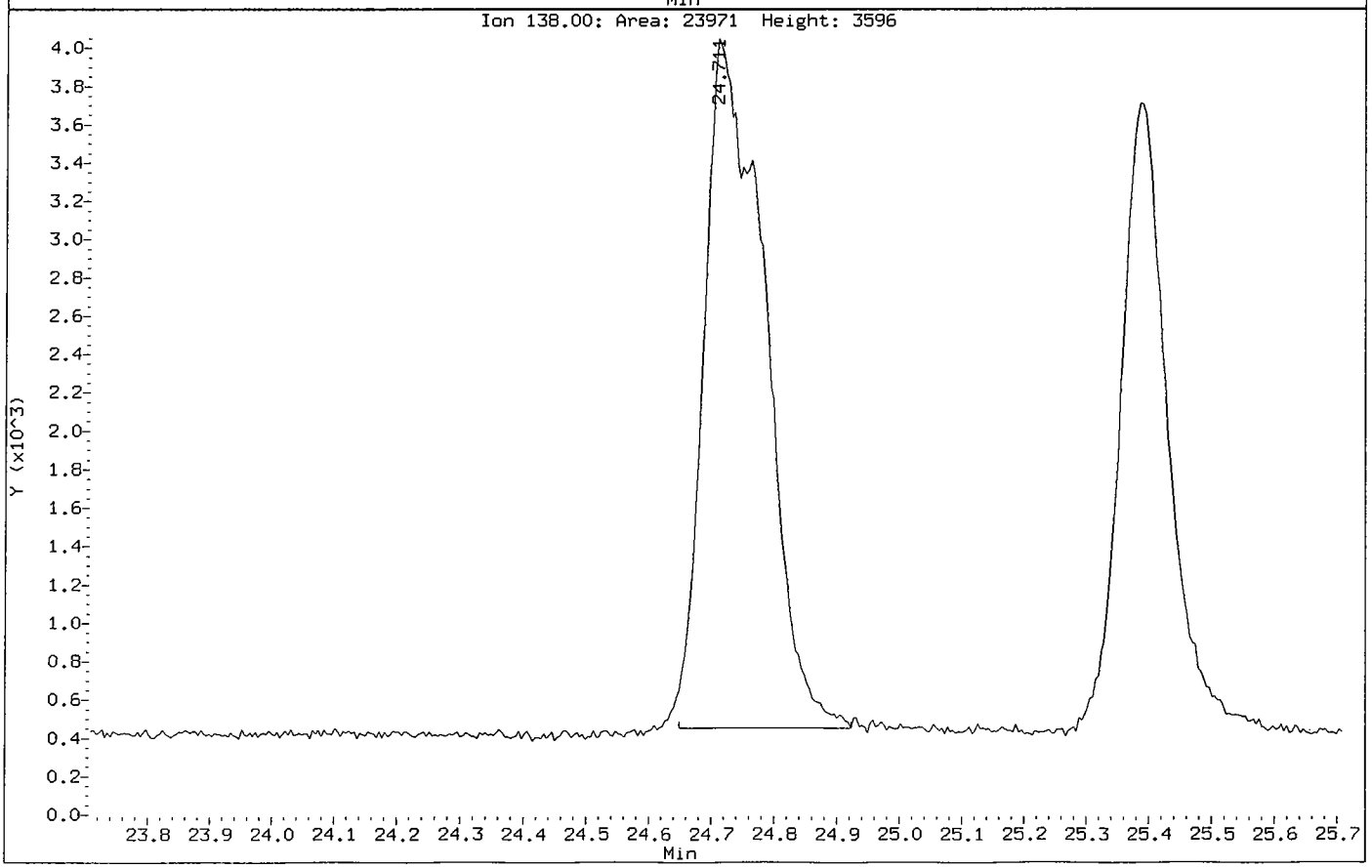




Data File: /chem/5972hp70.i/DS100701B70.b/0052604-BS1B70.d
Injection Date: 02-JUL-2010 04:57
Instrument: 5972hp70.i
Client Sample ID: SCULCS

Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





d. Matrix Spike Data

- Tabulated Results (Form I SV)

- Chromatogram and quantitation report

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SB73-9-10MS

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/17/10

Lab Sample ID: 0052604-MS1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 0052604-MS1B70
Analyst: TD

% Moisture: 20 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

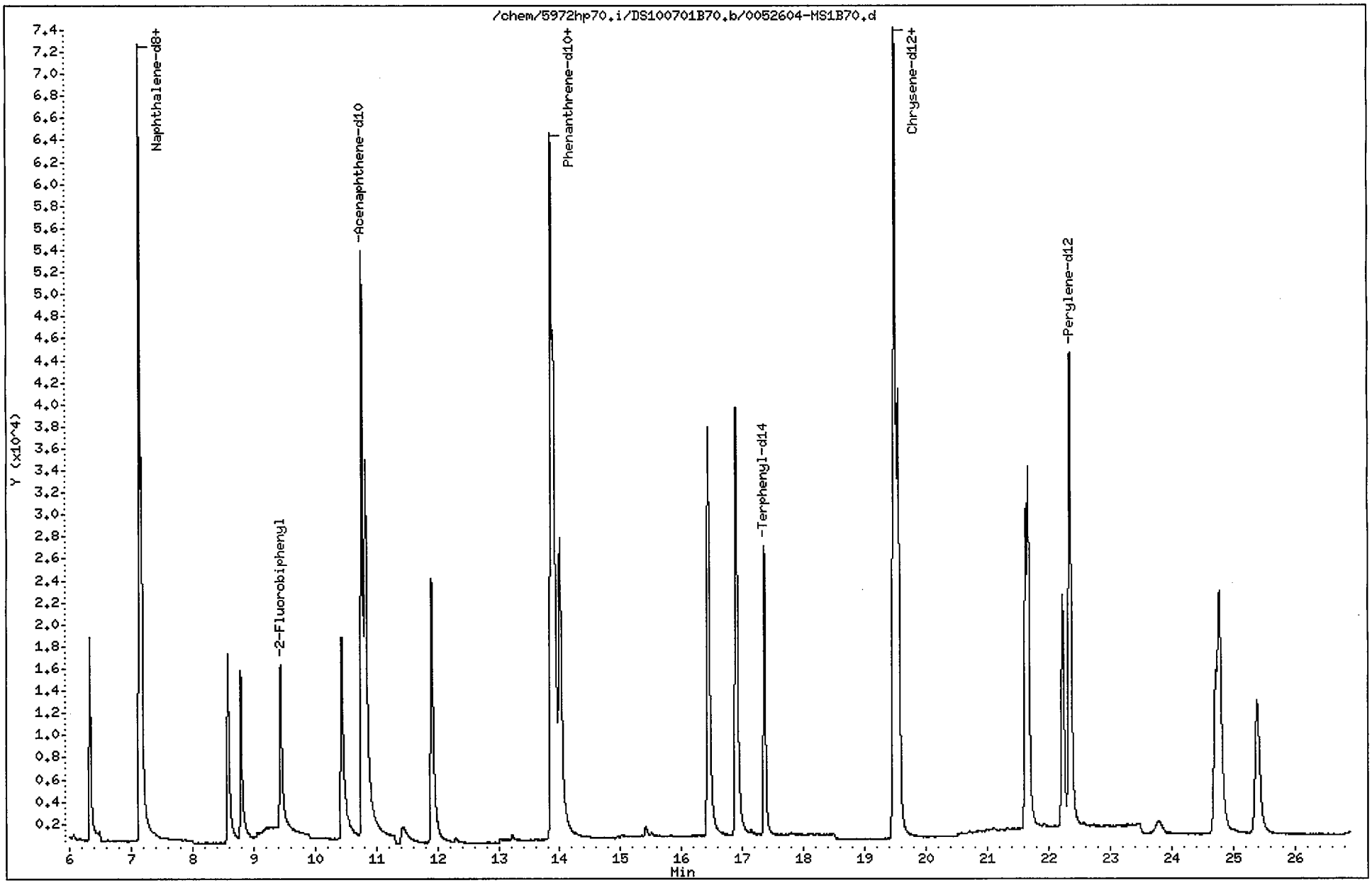
Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.90	10	11	
91-57-6	2-Methylnaphthalene	0.85	10	11	
208-96-8	Acenaphthylene	0.67	10	13	
83-32-9	Acenaphthene	0.75	10	13	
86-73-7	Fluorene	0.56	10	14	
85-01-8	Phenanthrene	1.6	10	15	
120-12-7	Anthracene	0.54	10	20	
206-44-0	Fluoranthene	1.7	10	20	
129-00-0	Pyrene	0.71	10	19	
56-55-3	Benzo(a)anthracene	0.71	10	20	
218-01-9	Chrysene	0.79	10	19	
205-99-2	Benzo(b)fluoranthene	0.71	10	17	
207-08-9	Benzo(k)fluoranthene	0.54	10	20	
50-32-8	Benzo(a)pyrene	0.48	10	18	
193-39-5	Indeno(1,2,3-cd)pyrene	0.46	10	19	
53-70-3	Dibenzo(a,h)anthracene	0.42	10	18	
191-24-2	Benzo(g,h,i)perylene	0.48	10	16	

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100701B70.b/0052604-MS1B70.d
Date : 02-JUL-2010 06:08
Client ID: SB73-9-10MS
Instrument: 5972hp70.i
Sample Info: 0052604-MS1:TD
Volume Injected (uL): 2.0
Operator: TD
Column phase: Rtx-5MS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701B70.b/0052604-MS1B70.d
Report Date: 07-Jul-2010 09:58

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701B70.b/0052604-MS1B70.d
Lab Smp Id: 0052604-MS1 Client Smp ID: SB73-9-10MS
Inj Date : 02-JUL-2010 06:08
Operator : TD Inst ID: 5972hp70.i
Smp Info : 0052604-MS1:TD
Misc Info : SB73-9-10MS
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701B70.b/SIM_8270Cv3DOD.m
Meth Date : 07-Jul-2010 09:56 parikh Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 16 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50
Processing Host: einstein

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	20.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
* 1 1,4-Dichlorobenzene-d4	152	4.852	4.848	(1.000)	34254	2.00000		
* 2 Naphthalene-d8	136	7.145	7.162	(1.000)	134317	2.00000		
* 3 Acenaphthene-d10	164	10.769	10.784	(1.000)	79897	2.00000		
* 4 Phenanthrene-d10	188	13.864	13.872	(1.000)	167425	2.00000		
* 5 Chrysene-d12	240	19.498	19.499	(1.000)	130071	2.00000		
* 6 Perylene-d12	264	22.349	22.344	(1.000)	112114	2.00000		
$ 9 Nitrobenzene-d5	82	5.876	5.880	(0.822)	26537	0.61053		13
$ 10 2-Fluorobiphenyl	172	9.441	9.460	(0.877)	32540	0.59095		12
$ 12 Terphenyl-d14	244	17.357	17.362	(0.890)	46745	1.00962		21
13 Naphthalene	128	7.176	7.193	(1.004)	45232	0.52734		11
15 2-Methylnaphthalene	141	8.581	8.596	(1.201)	21292	0.52672		11
17 Acenaphthylene	152	10.441	10.455	(0.970)	48690	0.64594		13

SAP 07/07/10

Data File: /chem/5972hp70.i/DS100701B70.b/0052604-MS1B70.d
Report Date: 07-Jul-2010 09:58

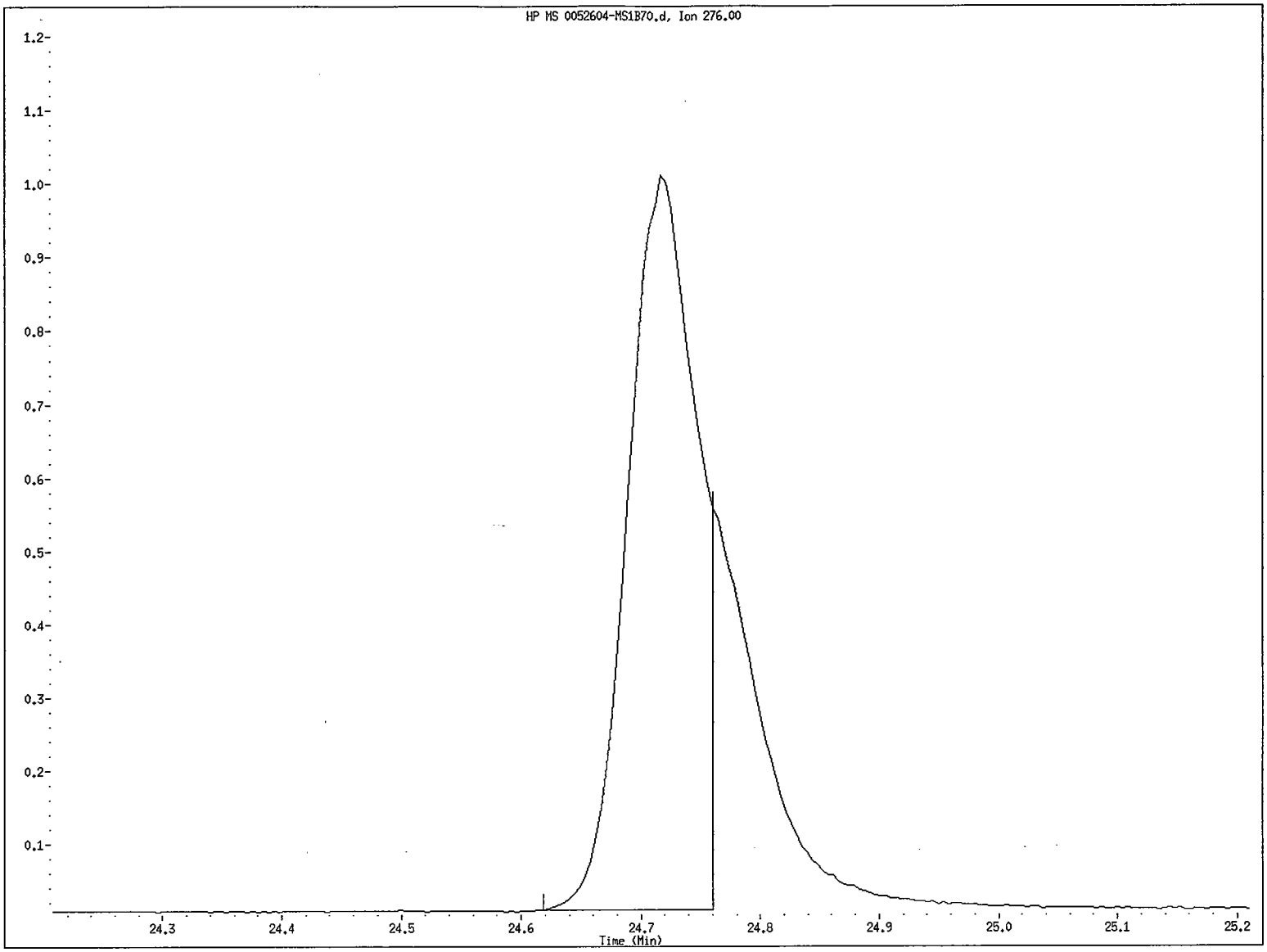
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
18 Acenaphthene	154	10.828	10.849	(1.005)	28763	0.60134	13
21 Fluorene	166	11.908	11.918	(1.106)	39224	0.65273	14
25 Phenanthrene	178	13.908	13.916	(1.003)	66463	0.72731	15
26 Anthracene	178	14.005	14.009	(1.010)	81237	0.96881	20
27 Fluoranthene	202	16.439	16.440	(1.186)	84319	0.93968	20
28 Pyrene	202	16.893	16.894	(0.866)	86715	0.92251	19
29 Benzo(a)anthracene	228	19.462	19.468	(0.998)	66052	0.96446	20
30 Chrysene	228	19.546	19.552	(1.002)	74527	0.91411	19
31 Benzo(b)fluoranthene	252	21.621	21.625	(0.967)	54757	0.83460	17
32 Benzo(k)fluoranthene	252	21.661	21.665	(0.969)	77658	0.95699	20
33 Benzo(a)pyrene	252	22.226	22.225	(0.994)	53507	0.86340	18
34 Indeno(1,2,3-cd)pyrene	276	24.716	24.710	(1.106)	39887	0.90241	19(M)
35 Dibenzo(a,h)anthracene	278	24.777	24.776	(1.109)	46161	0.84228	18
36 Benzo(g,h,i)perylene	276	25.387	25.385	(1.136)	45225	0.74655	16

Z SAH 07107/10

QC Flag Legend

M - Compound response manually integrated.

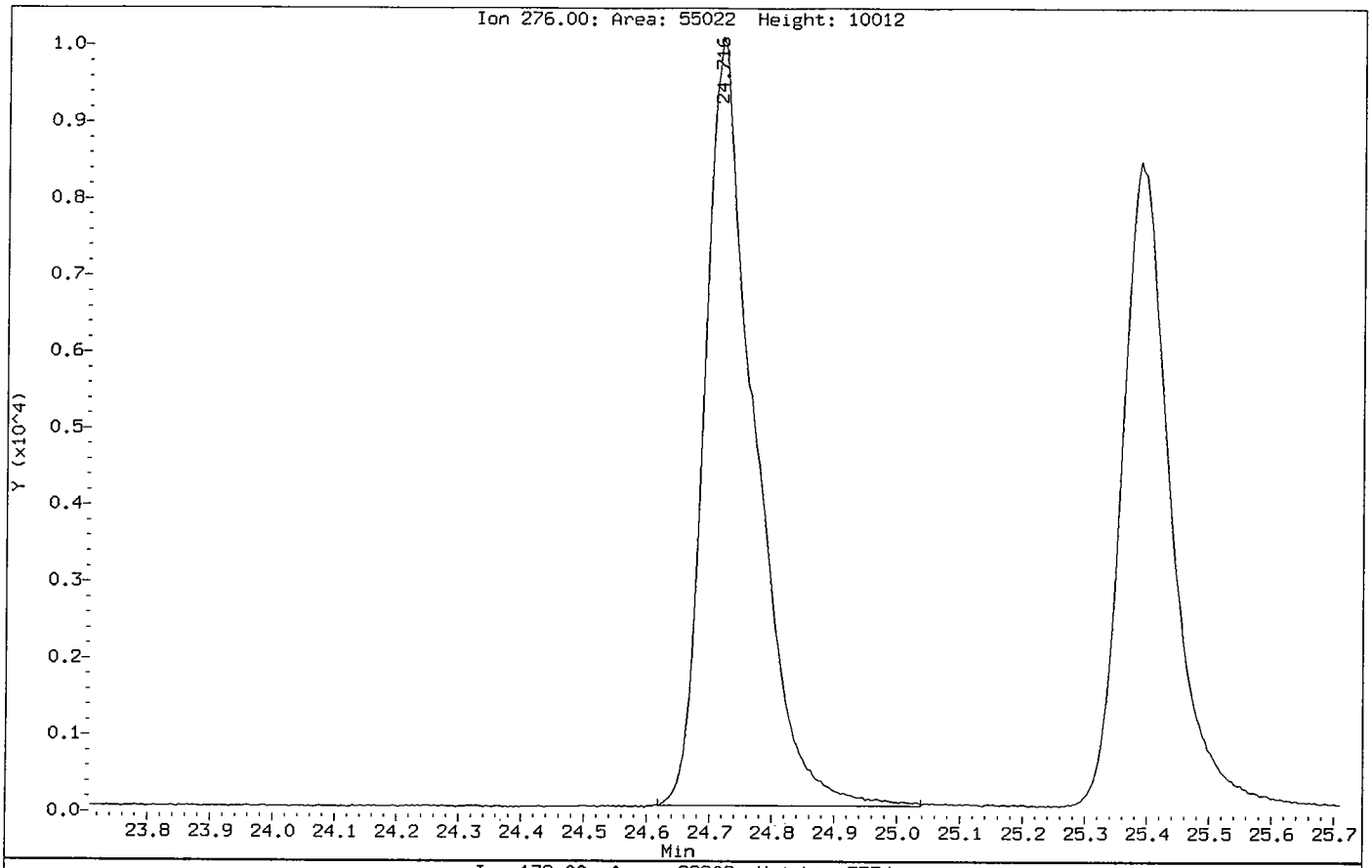
Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 39887 Manually integrated

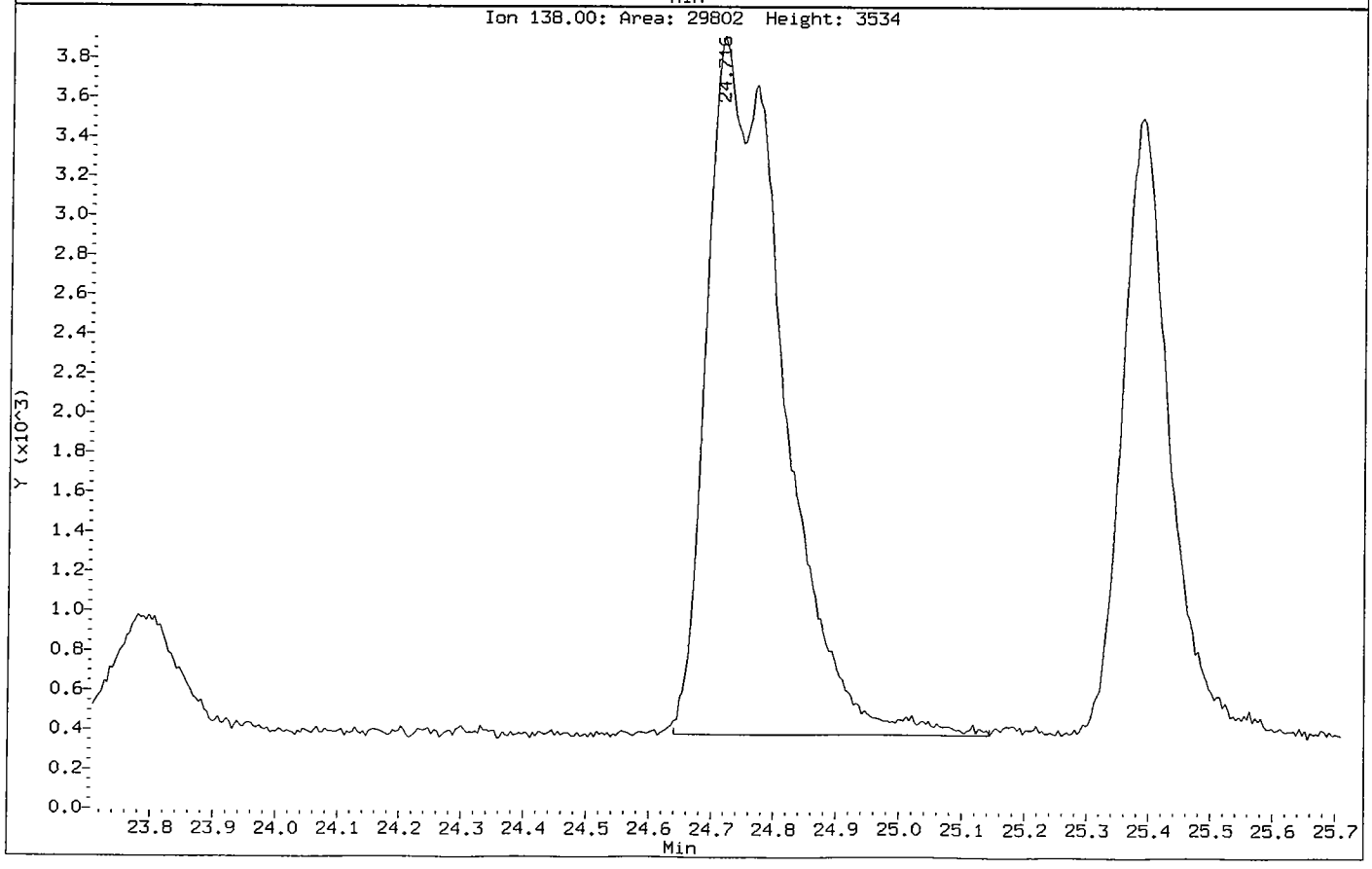


File name: /chem/5972hp70.i/DS100701B70.b/0052604-MS1B70.d
Client ID: SB73-9-10MS
Instrument ID: 5972hp70.i
Injection Date and Time: 02-JUL-2010 06:08
Retention Time: 24.72
Operator ID: TD

Data File: /chem/5972hp70.i/DS100701B70.b/0052604-MS1B70.d
Injection Date: 02-JUL-2010 06:08
Instrument: 5972hp70.i
Client Sample ID: ~~SS73-9-10MS~~ SB73-9-10MS BH 07/07/10

Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





e. Matrix Spike Duplicate Data

- Tabulated Results (Form I SV)

- Chromatogram and quantitation report

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005157
Client Sample ID: SB73-9-10MSD

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/17/10

Lab Sample ID: 0052604-MSD1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/19/10
Lab File ID: 0052604-MSD1B70
Analyst: TD

% Moisture: 20 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052604-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/02/10
Dilution Factor: 1.0

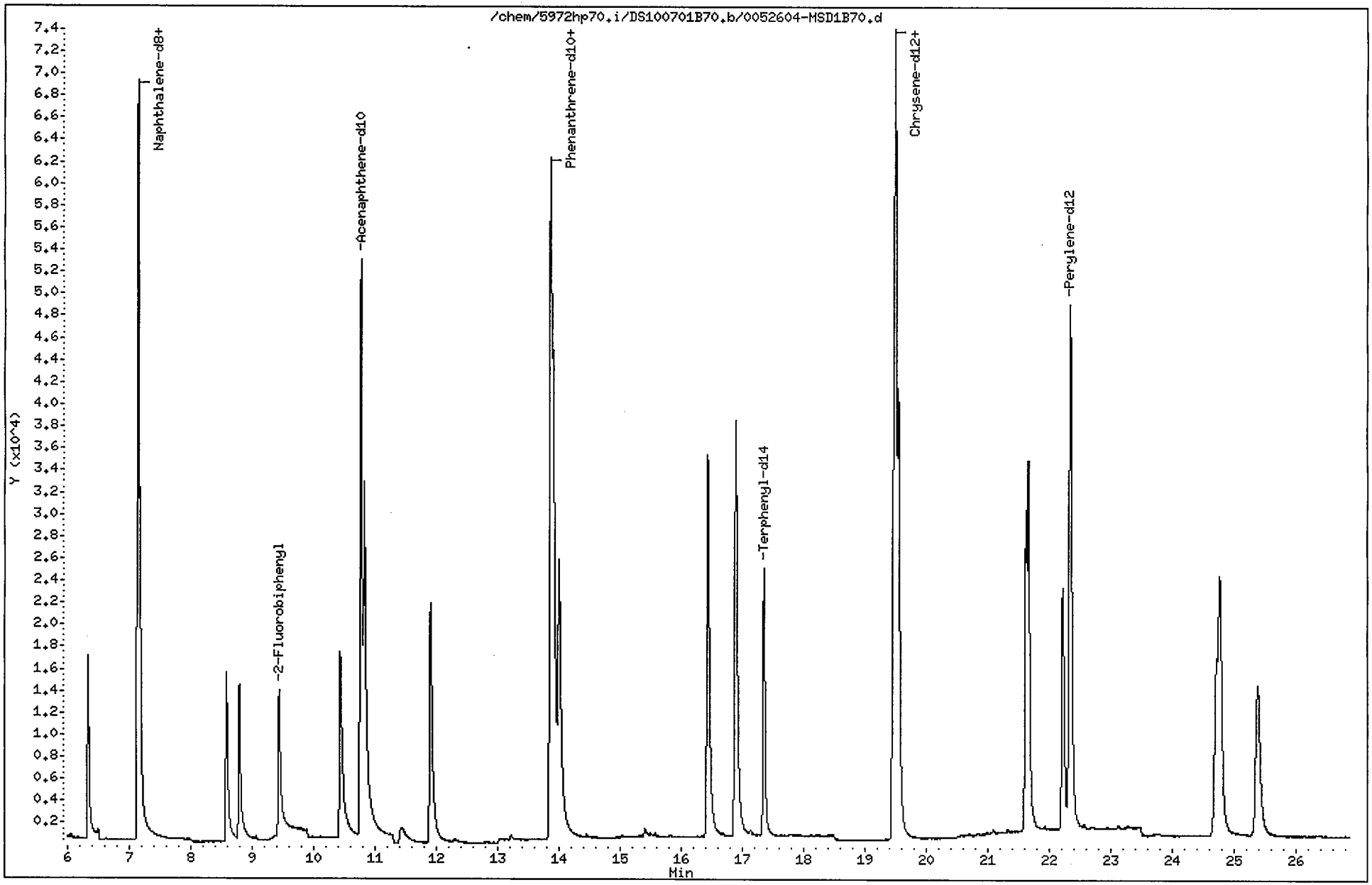
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.90	10	10	J
91-57-6	2-Methylnaphthalene	0.85	10	10	J
208-96-8	Acenaphthylene	0.67	10	13	
83-32-9	Acenaphthene	0.75	10	12	
86-73-7	Fluorene	0.56	10	13	
85-01-8	Phenanthrene	1.6	10	14	
120-12-7	Anthracene	0.54	10	19	
206-44-0	Fluoranthene	1.7	10	19	
129-00-0	Pyrene	0.71	10	17	
56-55-3	Benzo(a)anthracene	0.71	10	19	
218-01-9	Chrysene	0.79	10	19	
205-99-2	Benzo(b)fluoranthene	0.71	10	16	
207-08-9	Benzo(k)fluoranthene	0.54	10	18	
50-32-8	Benzo(a)pyrene	0.48	10	17	
193-39-5	Indeno(1,2,3-cd)pyrene	0.46	10	19	
53-70-3	Dibenzo(a,h)anthracene	0.42	10	17	
191-24-2	Benzo(g,h,i)perylene	0.48	10	16	

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100701B70.b/0052604-MSD1B70.d
Date : 02-JUL-2010 06:43
Client ID: SB73-9-10MSD
Sample Info: 0052604-MSD1:TD
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: TD
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701B70.b/0052604-MSD1B70.d
Report Date: 07-Jul-2010 09:58

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701B70.b/0052604-MSD1B70.d
Lab Smp Id: 0052604-MSD1 Client Smp ID: SB73-9-10MSD
Inj Date : 02-JUL-2010 06:43
Operator : TD Inst ID: 5972hp70.i
Smp Info : 0052604-MSD1:TD
Misc Info : SB73-9-10MSD
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701B70.b/SIM_8270Cv3DOD.m
Meth Date : 07-Jul-2010 09:56 parikh Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 17 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50
Processing Host: einstein

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	20.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)	
* 1 1,4-Dichlorobenzene-d4	152	4.846	4.848	(1.000)	34350	2.00000		
* 2 Naphthalene-d8	136	7.145	7.162	(1.000)	130643	2.00000		
* 3 Acenaphthene-d10	164	10.769	10.784	(1.000)	78862	2.00000		
* 4 Phenanthrene-d10	188	13.864	13.872	(1.000)	166433	2.00000		
* 5 Chrysene-d12	240	19.497	19.499	(1.000)	137294	2.00000		
* 6 Perylene-d12	264	22.344	22.344	(1.000)	126509	2.00000		
$ 9 Nitrobenzene-d5	82	5.874	5.880	(0.822)	23860	0.56438		12
$ 10 2-Fluorobiphenyl	172	9.436	9.460	(0.876)	28643	0.52701		11
$ 12 Terphenyl-d14	244	17.355	17.362	(0.890)	42982	0.87950		18
13 Naphthalene	128	7.176	7.193	(1.004)	41864	0.50180		10(a)
15 2-Methylnaphthalene	141	8.577	8.596	(1.200)	19445	0.49456		10(a)
17 Acenaphthylene	152	10.434	10.455	(0.969)	44816	0.60235		13

SAP 07/07/10

Data File: /chem/5972hp70.i/DS100701B70.b/0052604-MSD1B70.d
Report Date: 07-Jul-2010 09:58

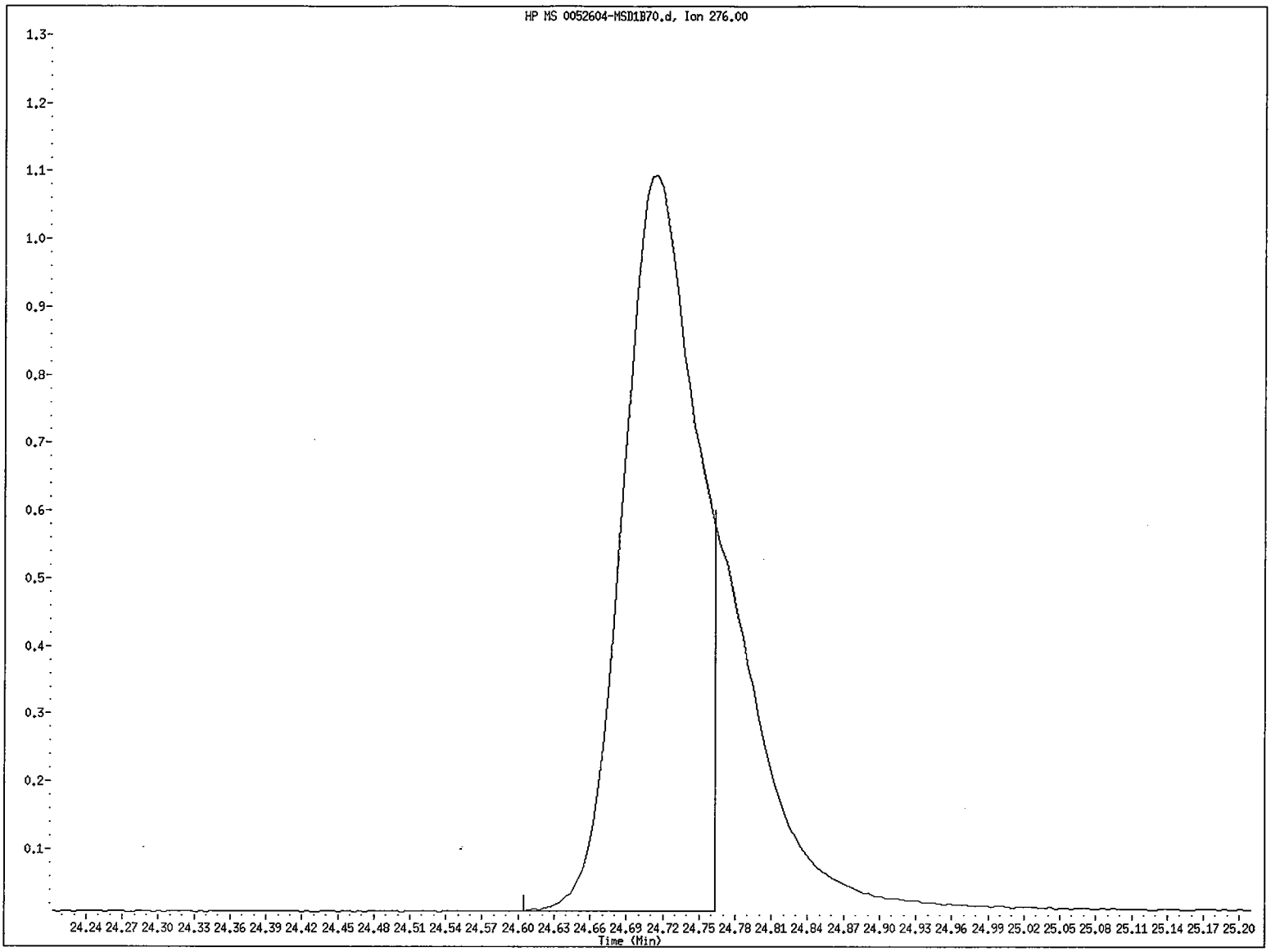
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
18 Acenaphthene	154	10.828	10.849	(1.005)	26602	0.56346	12
21 Fluorene	166	11.906	11.918	(1.106)	37536	0.63283	13
25 Phenanthrene	178	13.908	13.916	(1.003)	61652	0.67869	14
26 Anthracene	178	14.005	14.009	(1.010)	76752	0.92077	19
27 Fluoranthene	202	16.437	16.440	(1.186)	80556	0.90310	19
28 Pyrene	202	16.891	16.894	(0.866)	83189	0.83844	17
29 Benzo(a)anthracene	228	19.462	19.468	(0.998)	65720	0.90912	19
30 Chrysene	228	19.546	19.552	(1.002)	76676	0.89099	19
31 Benzo(b)fluoranthene	252	21.625	21.625	(0.968)	55914	0.75527	16
32 Benzo(k)fluoranthene	252	21.665	21.665	(0.970)	80005	0.87373	18
33 Benzo(a)pyrene	252	22.225	22.225	(0.995)	56912	0.81385	17
34 Indeno(1,2,3-cd)pyrene	276	24.715	24.710	(1.106)	46388	0.92314	19(M)
35 Dibenzo(a,h)anthracene	278	24.777	24.776	(1.109)	51526	0.83320	17
36 Benzo(g,h,i)perylene	276	25.386	25.385	(1.136)	51346	0.75115	16

2 SM 07/07/10

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

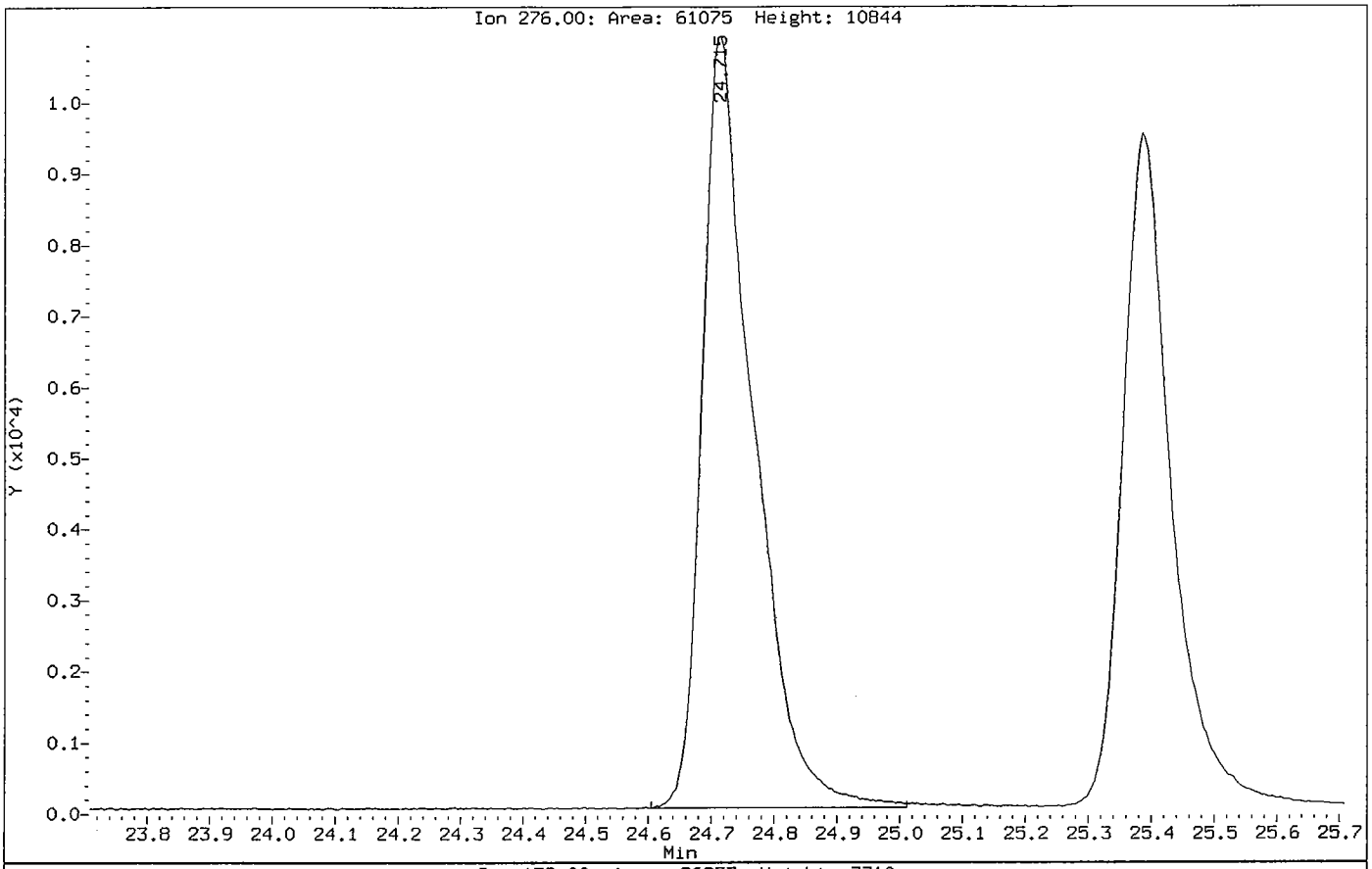
Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 46388 Manually integrated

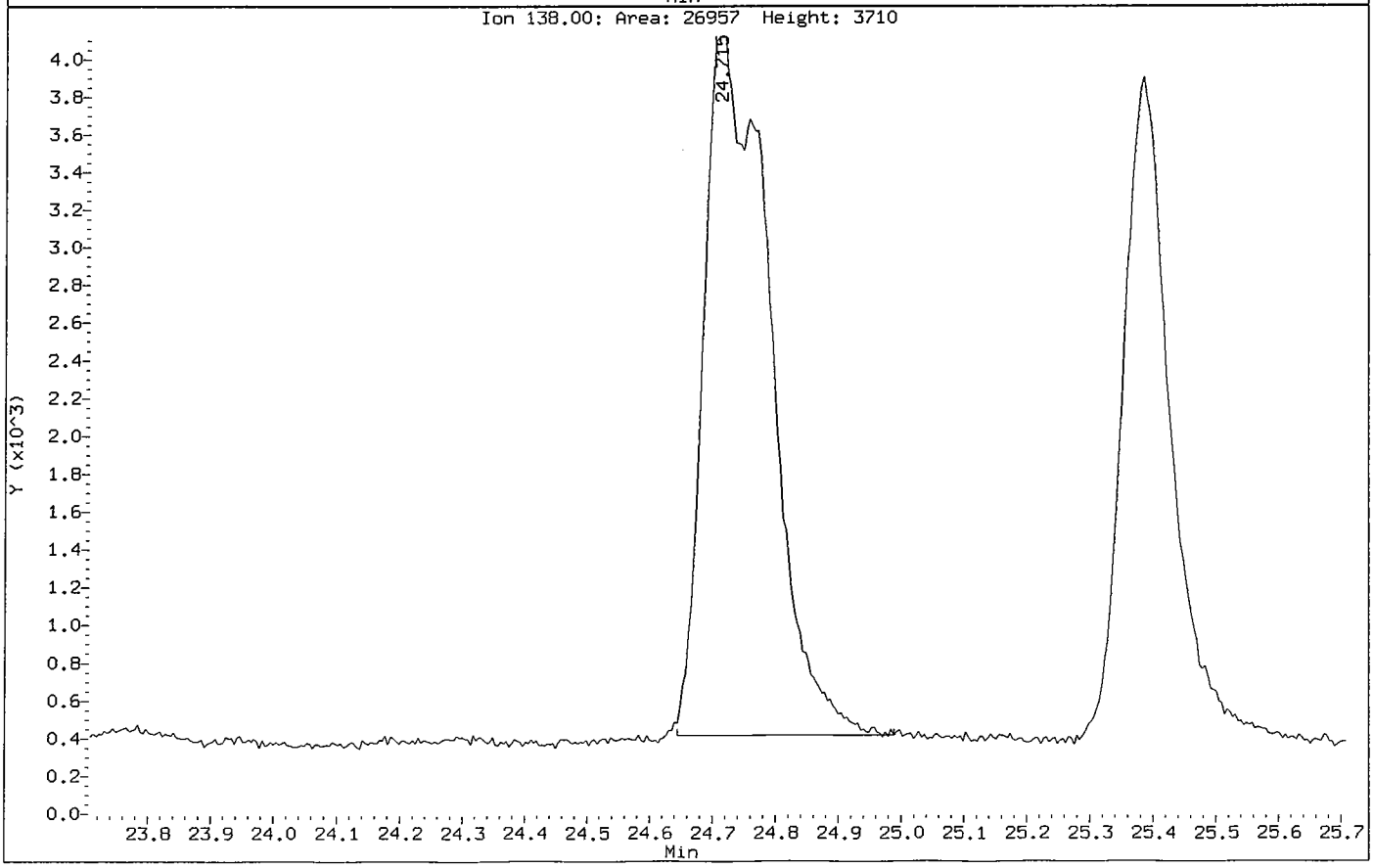


File name: /chem/5972hp70.i/DS100701B70.b/0052604-MSD1B70.d
Client ID: SB73-9-10MSD
Instrument ID: 5972hp70.i
Injection Date and Time: 02-JUL-2010 06:43
Retention Time: 24.72
Operator ID: TD

Data File: /chem/5972hp70.i/DS100701B70.b/0052604-MSD1B70.d
Injection Date: 02-JUL-2010 06:43
Instrument: 5972hp70.i
Client Sample ID: ~~SS73-9-10MSD~~ SB73-9-10 MSD SW 07107110

Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





CompuChem

A Division Of

Liberty Analytical Corp.

6/15/2010

REBEKHA SHAW

CH2M HILL, INC.

P.O. BOX 241329

DENVER, CO 80224

Subject:

Report of Data - Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM
WorkOrder: 1005157

Attn. REBEKHA SHAW

Enclosed are the results of analytical work performed in accordance with the referenced account number. This report covers sample(s) appearing on the listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097

Sincerely,

Compuchem

a division of Liberty Analytical Corporation

Attachment

TOTAL NUMBER

OF PAGES ____

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

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SDG NARRATIVE
SDG # 1005157

The 18 soil samples were received intact between 0.3C and 4.3C, with proper documentations, in sealed shipping containers, on May 19th and 21st, 2010. The samples were scheduled for the requested analyses of the Wet Chemistry fraction. The samples were analyzed, in accordance with current EPA methods, for the analytes requested as per the COC, with the exceptions and/or additions requested by the client.

SAMPLE IDs:
The cover page contained in this package lists the client ID's and the associated CompuChem numbers which are part of this SDG.

INSTRUMENTAL QUALITY CONTROL:
All calibration verification solutions (ICV & CCV), blanks (ICB, & CCB), associated with this data were confirmed to be within allowable limits.

SAMPLE PREPARATION QUALITY CONTROL:
The sample preparation procedure verifications (LCS & Blank) were found to be within acceptable ranges. All field samples were prepared and analyzed within the contract specified holding times.

MATRIX RELATED QUALITY CONTROL:
SS73-9-10 *(1005157-01)* was requested to use as the original to prepare the matrix spike and matrix spike duplicate.

I certify that this Sample Data Package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy Sample Data Package and in the electronic data deliverable has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Preeti Khare
Data Reviewer I
June 14th, 2010

Organic Undecanted Dry Weight Worksheet

0052608

Procedure: L143/190

T. WILLIAMS 1289

Employee ID No

Temp in: 105°

Temp out: 102°

Date Assigned: 5-26-10

Date/Time in: 5-26-10 @ 1636

Date/Time out: 5/27/10 @ 0955

Lab Number	Client ID	Sample Type	Weight of Container (0.00g)	Weight of Container & Wet Sample (0.00g)	Weight of Container & Dry Sample (0.00g)
1005157-01	SB73-9-10 BG 7/1/10	Sample	1.34	7.20	6.02
1005157-02	SS51-0-1	Sample	1.33	7.19	5.54
1005157-03	SS51D-0-1	Sample	1.33	6.12	5.04
1005157-04	SS90-0-1	Sample	1.28	5.62	5.41
1005157-05	SB90-2-3	Sample	1.29	8.06	6.96
1005157-06	SS70-0-1	Sample	1.33	7.90	7.26
1005157-07	SB70-1-2	Sample	1.33	7.12	6.75
1005157-08	SS69-0-1	Sample	1.33	5.94	5.29
1005157-09	SB69-2-3	Sample	1.32	7.76	6.60
1005157-10	SB64-1-2	Sample	1.31	7.25	6.46
1005157-11	SB65-1-2	Sample	1.33	6.56	5.52
1005157-12	SS64-0-1	Sample	1.32	5.77	5.30
1005157-13	SS66-0-1	Sample	1.34	6.09	3.71
1005157-14	SS65-0-1	Sample	1.31	7.76	6.85
1005157-15	SS82-0-1	Sample	1.32	6.24	6.10
~~1005157-16~~	~~SS82D-0-1~~	~~Sample~~	1.34	6.26	6.11
1005157-17	SB82-2-3	Sample	1.34	6.81	6.02
1005157-18	SB82D-2-3	Sample	1.33	7.03	6.23

Entered into Element by: _____ 5-28-10

Date

2

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CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	07/07/2010 10:55

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB73-9-10	1005157-01	Soil	05/17/2010 15:00	05/19/2010 09:05
SS51-0-1	1005157-02	Soil	05/19/2010 16:30	05/21/2010 16:05
SS51D-0-1	1005157-03	Soil	05/19/2010 16:35	05/21/2010 16:05
SS90-0-1	1005157-04	Soil	05/19/2010 14:55	05/21/2010 16:05
SB90-2-3	1005157-05	Soil	05/19/2010 15:00	05/21/2010 16:05
SS70-0-1	1005157-06	Soil	05/20/2010 12:00	05/21/2010 16:05
SB70-1-2	1005157-07	Soil	05/20/2010 12:10	05/21/2010 16:05
SS69-0-1	1005157-08	Soil	05/20/2010 16:10	05/21/2010 16:05
SB69-2-3	1005157-09	Soil	05/20/2010 16:20	05/21/2010 16:05
SB64-1-2	1005157-10	Soil	05/20/2010 18:20	05/21/2010 16:05
SB65-1-2	1005157-11	Soil	05/20/2010 17:45	05/21/2010 16:05
SS64-0-1	1005157-12	Soil	05/20/2010 18:15	05/21/2010 16:05
SS66-0-1	1005157-13	Soil	05/20/2010 17:20	05/21/2010 16:05
SS65-0-1	1005157-14	Soil	05/20/2010 17:40	05/21/2010 16:05
SS82-0-1	1005157-15	Soil	05/21/2010 08:25	05/21/2010 16:05
SS82D-0-1	1005157-16	Soil	05/21/2010 08:30	05/21/2010 16:05
SB82-2-3	1005157-17	Soil	05/21/2010 08:40	05/21/2010 16:05
SB82D-2-3	1005157-18	Soil	05/21/2010 08:45	05/21/2010 16:05

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Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	07/07/2010 10:55

SB73-9-10

1005157-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM								
Metals								
Chromium	**12.6**	0.50	mg/kg	1	0060154	06/12/2010 12:23	06/12/2010 16:31	EPA 6010B
WET CHEMISTRY PARAMETERS								
Hexavalent Chromium	**2.74**	2.50	mg/kg dry	1	0052530	05/25/2010 09:42	06/11/2010 16:47	EPA 7196A
Trivalent Chromium	**10.4**	0.500	mg/kg	1	[CALC]	06/12/2010 12:23	06/12/2010 16:31	EPA 7196A

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Preeti Khare For Cathy Dover, Project Manager

CompuChem
A Division Of
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CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/15/2010 16:55

SS51-0-1

1005157-02 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**8.00**		0.50	mg/kg	1	0060154	06/12/2010 12:23	06/12/2010 16:31	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	2.79	mg/kg dry	1	0052530	05/25/2010 09:42	06/11/2010 16:47	EPA 7196A
Trivalent Chromium	**8.00**		0.500	mg/kg	1	[CALC]	06/12/2010 12:23	06/12/2010 16:31	Calc

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Preeti Khare For Cathy Dover, Project Manager

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/15/2010 16:55

SS51D-0-1
1005157-03 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**4.90**		0.50	mg/kg	1	0060154	06/12/2010 12:23	06/12/2010 16:31	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	2.58	mg/kg dry	1	0052530	05/25/2010 09:42	06/11/2010 16:47	EPA 7196A
Trivalent Chromium	**4.90**		0.500	mg/kg	1	[CALC]	06/12/2010 12:23	06/12/2010 16:31	Calc

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Preeti Khare For Cathy Dover, Project Manager

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/15/2010 16:55

SS90-0-1

1005157-04 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**1.20**		0.50	mg/kg	1	0060154	06/12/2010 12:23	06/12/2010 16:31	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	2.10	mg/kg dry	1	0052530	05/25/2010 09:42	06/11/2010 16:47	EPA 7196A
Trivalent Chromium	**1.20**		0.500	mg/kg	1	[CALC]	06/12/2010 12:23	06/12/2010 16:31	Calc

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CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/15/2010 16:55

SB90-2-3
1005157-05 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**3.60**		0.50	mg/kg	1	0060154	06/12/2010 12:23	06/12/2010 16:31	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	2.39	mg/kg dry	1	0052530	05/25/2010 09:42	06/11/2010 16:47	EPA 7196A
Trivalent Chromium	**3.60**		0.500	mg/kg	1	[CALC]	06/12/2010 12:23	06/12/2010 16:31	Calc

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Preeti Khare For Cathy Dover, Project Manager

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/15/2010 16:55

SS70-0-1
1005157-06 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**0.70**		0.50	mg/kg	1	0060154	06/12/2010 12:23	06/12/2010 16:31	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	2.05	mg/kg dry	1	0052530	05/25/2010 09:42	06/11/2010 16:47	EPA 7196A
Trivalent Chromium	**0.700**		0.500	mg/kg	1	[CALC]	06/12/2010 12:23	06/12/2010 16:31	Calc

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Preeti Khare For Cathy Dover, Project Manager

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/15/2010 16:55

SB70-1-2
1005157-07 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**1.70**		0.50	mg/kg	1	0060154	06/12/2010 12:23	06/12/2010 16:31	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	2.25	mg/kg dry	1	0052530	05/25/2010 09:42	06/11/2010 16:47	EPA 7196A
Trivalent Chromium	**1.70**		0.500	mg/kg	1	[CALC]	06/12/2010 12:23	06/12/2010 16:31	Calc

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Preeti Khare For Cathy Dover, Project Manager

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/15/2010 16:55

SS69-0-1

1005157-08 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**1.90**		0.50	mg/kg	1	0060154	06/12/2010 12:23	06/12/2010 16:31	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	2.33	mg/kg dry	1	0052530	05/25/2010 09:42	06/11/2010 16:47	EPA 7196A
Trivalent Chromium	**1.90**		0.500	mg/kg	1	[CALC]	06/12/2010 12:23	06/12/2010 16:31	Calc

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Preeti Khare For Cathy Dover, Project Manager

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/15/2010 16:55

SB69-2-3

1005157-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM								
Metals								
Chromium	**11.2**	0.50	mg/kg	1	0060154	06/12/2010 12:23	06/12/2010 16:31	EPA 6010B
WET CHEMISTRY PARAMETERS								
Hexavalent Chromium	**2.98**	2.44	mg/kg dry	1	0052530	05/25/2010 09:42	06/11/2010 16:47	EPA 7196A
Trivalent Chromium	**8.76**	0.500	mg/kg	1	[CALC]	06/12/2010 12:23	06/12/2010 16:31	Calc

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/15/2010 16:55

SB64-1-2

1005157-10 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**4.10**		0.50	mg/kg	1	0060154	06/12/2010 12:23	06/12/2010 16:31	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	2.31	mg/kg dry	1	0052530	05/25/2010 09:42	06/11/2010 16:47	EPA 7196A
Trivalent Chromium	**4.10**		0.500	mg/kg	1	[CALC]	06/12/2010 12:23	06/12/2010 16:31	Calc

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/15/2010 16:55

SB65-1-2
1005157-11 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**4.20**		0.50	mg/kg	1	0060154	06/12/2010 12:23	06/12/2010 16:31	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	2.50	mg/kg dry	1	0052530	05/25/2010 09:42	06/11/2010 16:47	EPA 7196A
Trivalent Chromium	**4.20**		0.500	mg/kg	1	[CALC]	06/12/2010 12:23	06/12/2010 16:31	Calc

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/15/2010 16:55

SS64-0-1
1005157-12 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**4.30**		0.50	mg/kg	1	0060154	06/12/2010 12:23	06/12/2010 16:31	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	2.20	mg/kg dry	1	0052530	05/25/2010 09:42	06/11/2010 16:47	EPA 7196A
Trivalent Chromium	**4.30**		0.500	mg/kg	1	[CALC]	06/12/2010 12:23	06/12/2010 16:31	Calc

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/15/2010 16:55

SS66-0-1
1005157-13 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**6.90**		0.50	mg/kg	1	0060154	06/12/2010 12:23	06/12/2010 16:31	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	4.01	mg/kg dry	1	0052530	05/25/2010 09:42	06/11/2010 16:47	EPA 7196A
Trivalent Chromium	**6.90**		0.500	mg/kg	1	[CALC]	06/12/2010 12:23	06/12/2010 16:31	Calc

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Preeti Khare For Cathy Dover, Project Manager

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/15/2010 16:55

SS65-0-1
1005157-14 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**1.00**		0.50	mg/kg	1	0060154	06/12/2010 12:23	06/12/2010 16:31	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	2.33	mg/kg dry	1	0052530	05/25/2010 09:42	06/11/2010 16:47	EPA 7196A
Trivalent Chromium	**1.00**		0.500	mg/kg	1	[CALC]	06/12/2010 12:23	06/12/2010 16:31	Calc

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Preeti Khare For Cathy Dover, Project Manager

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/15/2010 16:55

SS82-0-1
1005157-15 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**2.30**		0.50	mg/kg	1	0060154	06/12/2010 12:23	06/12/2010 16:31	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	2.06	mg/kg dry	1	0052530	05/25/2010 09:42	06/11/2010 16:47	EPA 7196A
Trivalent Chromium	**2.30**		0.500	mg/kg	1	[CALC]	06/12/2010 12:23	06/12/2010 16:31	Calc

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Preeti Khare For Cathy Dover, Project Manager

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/15/2010 16:55

SS82D-0-1
1005157-16 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**2.60**		0.50	mg/kg	1	0060154	06/12/2010 12:23	06/12/2010 16:31	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	2.06	mg/kg dry	1	0052530	05/25/2010 09:42	06/11/2010 16:47	EPA 7196A
Trivalent Chromium	**2.60**		0.500	mg/kg	1	[CALC]	06/12/2010 12:23	06/12/2010 16:31	Calc

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Preeti Khare For Cathy Dover, Project Manager

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/15/2010 16:55

SB82-2-3
1005157-17 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**14.8**		0.50	mg/kg	1	0060154	06/12/2010 12:23	06/12/2010 16:31	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**2.27**	J	2.34	mg/kg dry	1	0052530	05/25/2010 09:42	06/11/2010 16:47	EPA 7196A
Trivalent Chromium	**12.9**		0.500	mg/kg	1	[CALC]	06/12/2010 12:23	06/12/2010 16:31	Calc

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Preeti Khare For Cathy Dover, Project Manager

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/15/2010 16:55

SB82D-2-3

1005157-18 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM								
Metals								
Chromium	**9.40**	0.50	mg/kg	1	0060154	06/12/2010 12:23	06/12/2010 16:31	EPA 6010B
WET CHEMISTRY PARAMETERS								
Hexavalent Chromium	**5.10**	2.33	mg/kg dry	1	0052530	05/25/2010 09:42	06/11/2010 16:47	EPA 7196A
Trivalent Chromium	**5.01**	0.500	mg/kg	1	[CALC]	06/12/2010 12:23	06/12/2010 16:31	Calc

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Preeti Khare For Cathy Dover, Project Manager

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/15/2010 16:55

WET CHEMISTRY PARAMETERS - Quality Control

COMPUCHEM

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0052530 - Default Prep GenChem										
Blank (0052530-BLK1)				Prepared: 05/25/2010 09:42 Analyzed: 06/11/2010 16:47						
Hexavalent Chromium	ND	2.00	mg/kg wet							
LCS (0052530-BS1)				Prepared: 05/25/2010 09:42 Analyzed: 06/11/2010 16:47						
Hexavalent Chromium	225	10.0	mg/kg wet	240.0		93.7	25-175			
Matrix Spike (0052530-MS1)		**Source: 1005157-01**		Prepared: 05/25/2010 09:42 Analyzed: 06/11/2010 16:47						
Hexavalent Chromium	52.7	2.50	mg/kg dry	50.06	2.74	99.7	75-125			
Matrix Spike Dup (0052530-MSD1)		**Source: 1005157-01**		Prepared: 05/25/2010 09:42 Analyzed: 06/11/2010 16:47						
Hexavalent Chromium	53.0	2.50	mg/kg dry	50.06	2.74	100	75-125	0.597	20	

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Preeti Khare For Cathy Dover, Project Manager

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/15/2010 16:55

Notes and Definitions

U	The compound was analyzed for but not detected (CLP U-flag).
J	Compound detected below the Reporting Limit; therefore, result is an estimated concentration (CLP J-flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Default Report (not modified)
			VERSION 6.01:4045
	HEXAVALENT CHROMIU	(SOIL)	Result calculations based on MDL
	HEXAVALENT CHROMIU	(SOIL)	Special Units: (mg/kg)
	Total Cr by Metals	(Soil)	Result calculations based on MDL
	Total Cr by Metals	(Soil)	Special Units: (mg/kg)
	TRIVALENT CHROMIUM	(Soil)	B-Flags used
	TRIVALENT CHROMIUM	(Soil)	D-Flags used
	TRIVALENT CHROMIUM	(Soil)	J-Flags used
	TRIVALENT CHROMIUM	(Soil)	Result calculations based on MDL
	TRIVALENT CHROMIUM	(Soil)	U-Flags used

CompuChem
A Division of Liberty Analytical Corp

Hexavalent Chromium-METHOD 3060A/7196A

Initial Calibration Log

Analyst: JM

Work Order(s): 1005157

Analysis Date: 6-11-10

Calibration Data		
Absorbance Reading	Theoretical Concentration (mg/L)	Calculated Concentration (mg/L)
0.000	0	-0.00097
0.030	0.05	0.01817
0.060	0.1	0.03731
0.250	0.4	0.15852
0.649	1	0.41308
1.270	2	0.80926

Regression Output	
Constant	-0.000970975
Correlation Coeff.	0.999921519
No. of Observations	5
Degrees of Freedom	4
X Coefficient(s)	0.637979113

Analytical Sequence Log				
Compuchem Sample ID	Final Absorbance ample - backgour	Calculated Concentratior (mg/L)	Calculated Concentratior (mg/kg)	Comments
ICV	0.652	1.0235	40.9400	
PB	0.000	0.0015	0.0609	
LCS 5X	0.720	1.1301	45.2034	over/ see dilution
515701	0.034	0.0548	2.1926	
MS	0.670	1.0517	42.0685	
MSD	0.674	1.0580	42.3193	
515702	0.002	0.0047	0.1863	
515703	0.000	0.0015	0.0609	
515704	0.000	0.0015	0.0609	
515705	0.000	0.0015	0.0609	
515706	0.000	0.0015	0.0609	
CCV	0.249	0.3918	15.6727	
CCB	0.000	0.0015	0.0609	
515707	0.000	0.0015	0.0609	
515708	0.010	0.0172	0.6879	
515709	0.038	0.0611	2.4434	
515710	0.000	0.0015	0.0609	
515711	-0.010	-0.0142	-0.5661	
515712	-0.001	0.0000	-0.0018	
515713	0.000	0.0015	0.0609	
515714	0.000	0.0017	0.0671	
515715	0.000	0.0015	0.0609	
515716	0.000	0.0015	0.0609	
CCV	0.250	0.3934	15.7354	
CCB	0.000	0.0015	0.0609	
515717	0.030	0.0485	1.9418	
515718	0.069	0.1097	4.3870	
CCV	0.248	0.3902	15.6100	
CCB	0.000	0.0015	0.0609	
PB	0.000	0.0015	0.0609	
LCS5X	0.716	1.1238	44.9526	
518001	0.000	0.0015	0.0609	
518002	0.000	0.0015	0.0609	

Reviewed by:

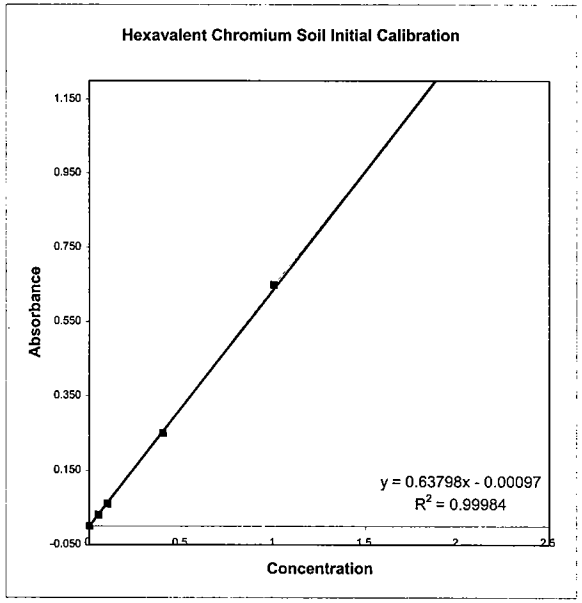
Date: 6/15/10

CompuChem
A Division Of
Liberty Analytical Corp.

Hexavalent Chromium-METHOD 3060A/7196A

Initial Calibration Log

518003	0.000	0.0015	0.0609	
518004	0.000	0.0015	0.0609	
CCV	0.247	0.3887	15.5473	
CCB	0.000	0.0015	0.0609	



Reviewed by: _____

Date: 6/5/10

Reagents/Standards Preparation Log for Hexavalent Chromium

CompuChem a division of Liberty Analytical Corp.1 UUUU

NAME	PREPARATION INSTRUCTIONS	PREPARED BY	DATE
Cr (VI) Digestion Solution NaOH Ref# 1u(6)1-13-28 Na_2CO_3 Ref# 1u(6)1-13-24	Place in a 1L volumetric flask: 20 g of NaOH 30 g of Na_2CO_3 Dilute to the volume with reagent water. Place solution in a Teflon bottle. Prepare fresh monthly or as needed	JM	06 10 10
Cr (VI) Stock Standard A Solution (**1000 mg/L**) Ref# 1u(6)1-17-25	N/A; Prepared by NSI - Hexavalent Chromium stock standard at 1000 mg/L **USE FOR ICV**	NSI	**EXP: 01/11**
Cr (VI) Intermediate Standard Solution (**10 mg/L**) Ref# 1u(6)1-17-25	Place in a 100 mL volumetric flask: 1mL of Cr (VI) Stock Standard Solution Dilute to volume reagent water. Prepare fresh daily	JM	06 08 10
Cr (VI) Stock Standard B Solution (**1000 mg/L**) Ref# 1u(6)1-18-2	N/A; Prepared by Alpha Aesar - Hexavalent Chromium stock standard at 1000 mg/L **USE FOR ICAL AND MS/MSD**	JM	06 10 10
Cr (VI) Intermediate Standard Solution (**10 mg/L**) Ref# 1u(6)1-18-2	Place in a 100 mL volumetric flask: 1mL of Cr (VI) Stock Standard B Solution Dilute to volume reagent water. Prepare fresh daily **USE FOR ICAL**	JM	06 09 10
2.0 ppm Standard	Place in a 100 mL volumetric flask: .2 ml of Cr (VI) Stock Standard Solution 50 mL of Cr (VI) Digestion solution Dilute to volume with reagent water. Prepare fresh daily	JM	06 10 10
1.0 ppm Standard	Place in a 100 mL volumetric flask: .1 mL of Cr (VI) stock Standard Solution 50 ml of Cr (VI) Digestion solution Dilute to volume with reagent water. Prepare fresh daily	JM	06 10 10
0.4 ppm Standard **(use for CCV)**	Place in a 100 mL volumetric flask: 4 mL of Cr (VI) **Intermediate** Standard Solution 50 mL of Cr (VI) Digestion solution Dilute to volume with reagent water. Prepare fresh daily	JM	06 11 10

Reagents/Standards Preparation Log for Hexavalent Chromium

CompuChem a division of Liberty Analytical Corp.1 UUUU

NAME	PREPARATION INSTRUCTIONS	PREPARED BY	DATE
0.1 ppm Standard **USE FOR LOQ**	Place in a 100 mL volumetric flask: 1 mL of Cr (VI) **Intermediate** Standard Solution 50 mL of Cr (VI) Digestion solution Dilute to volume with reagent water. Prepare fresh daily	JM	06 10 10
0.05 ppm Standard **USE FOR MDL and LOD**	Place in a 100 mL volumetric flask: .5 mL of Cr (VI) **Intermediate** Standard Stock Solution 50 mL of Cr (VI) Digestion solution Dilute to volume with reagent water. Prepare fresh daily	JM	06 10 10
ICV 1.0 ppm	Place in a 100 mL volumetric flask: .1 mL of Cr (VI) Cr (VI) Stock Standard B 50 mL of Cr (VI) Digestion solution Dilute to volume with reagent water. Prepare fresh daily	JM	06 11 10
ICB/CCB	50 mL of Cr (VI) Digestion solution in 50 ml of DI water	JM	06 10 10
LCS TV=240 mg/kg Hexavilent chromium in soil Ref# 1u(6)1-19-3	Place in a 250 mL beaker: Weigh 2.5g of Hexavalent Chromium reference standard 50 mL of Cr (VI) Digestion solution	JM	06 10 10
Matrix Spiking Solution Ref#:1u(6)1-17-25	Spike .1 ml of the 1000 ppm stock standard in 2.5 g of the original	JM	06 10 10
Phosphate Buffer Solution K2hpo4Ref# 1U(6)1-14-16 Kh2po4Ref#1u(6)1-12-21	Place in 1 L volumetric flask: 87.09g of K_2HPO_4 and 68.04 g of KH_2PO_4 Dilute to volume with reagent water. Prepare fresh every six months	JM	06 09 10
Diphenylcarbazide Solution Ref#:1U(6)1-15-22	Place in a 100 mL volumetric flask: 0.5 g of 1,5-diphenylcarbazide Dilute to volume with acetone. Prepare fresh monthly of sooner, if solution becomes colored.	JM	06 11 10

Reviewed by: _____ Date: _____ The presence of the Chemist's/Analyst's employee ID number, or signature, on this log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

11-18-09 jm

Hexavalent Chromium Analysis Log

Modified Method SW-846: 7196A

Analyst JM

SDG ID 1005157, 1005180

Reviewed By: _____

Date: _____

Date: 6-11-10

Correlation Coefficient See ICAL & ASL

Slope: _____

Intercept: _____

#	Sample ID	Acidic pH	Uncorrected Absorbance	Background Abosrbance	Corrected Absorbance	Dilution	Concentration	Color	Read Time
0	0.0	1.6±.22	.000	.000		1	NR	NR	16:40
.05	0.030			.030		1			
0.1	0.060			.060		1			
0.4	0.250			.250		1			
1	0.649			.649		1			
2	1.270			1.270		1			
	ICV		.652	.000	.652	1			
1	1005253-BLK1		.000	.000	.000	1			
2	-BS1		.720	.020	.720	1			
3	1005157-01		.064	.030	.034	1			
4	MS1		.701	.031	.670	1			
5	MSD1		.702	.028	.674	1			
6	-02		.084	.082	.002	1			
7	-03		.020	.020	.000	1			
8	-04		.100	.101	-.001	1			
9	-05		.080	.079	.001	1			
10	-06		~~.032~~ .030	.034	-.002	1			
	CCV		.249	~~.250~~ .000	.249	1			
	CCB		.000	.000	.000	1			
1	-07		.090	.090	.000	1			
2	-08		.189	.190	-.010	1			
3	-09		.082	~~.040~~ .044	.038	1			
4	-10		.040	.040	.000	1			
5	-11		.210	.220	-.010	1			
6	-12		.029	.030	-.001	1			
7	-13		.150	.150	.000	1			
8	-14		.202	.201	.001	1			
9	-15		.090	.090	.000	1			
10	-16		.051	.051	.000	1			
	CCV		.250	.000	.250	1			
	CCB		.000	.000	.000	1			

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

5/5/06:jad

~~49~~ JM 6-11-10

Hexavalent Chromium Analysis Log

Modified Method SW-846: 7196A

Analyst JM
SDG ID Cont
Reviewed By: _____
Date: _____

Date: 6-11-10
Correlation Coefficient NA
Slope: _____
Intercept: _____

#	Sample ID	Acidic pH	Uncorrected Absorbance	Background Abosrbance	Corrected Absorbance	Dilution	Concentration	Color	Read Time
	-17	1.6 ≤ 2.2	.040	.010	.030	1	NA	NA	
	-18		.080	.011	.069	1			
	~~1st zero A~~		.000	.000	.000	1			
	BS1 5x		.700	.020	.680	5			
	CCV		.248	~~.241~~ .000	.248	1			
	CCB		.000	.000	.000	1			
	0060134 BH		.000	.000	.000	1			
1	5x BS1		.740	.024	.716	5			
2	1005180-01		.126	.170	~~.0040~~	1			
3	-02		.136	.137	~~.001~~	1			
4	-03		.090	.090	.000	1			
5	-04		.027	.027	.000	1			
6	CCV		.247	~~.241~~	.247	1			
7	CCB		.000	.000	.000	1			17:30
8									
9									
10									
	CCV								
	CCB								
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
	CCV								
	CCB								

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

5/5/06:jad

~~49~~ JM 6-11-10

CompuChem, a division of Liberty Analytical Corp.

Worksheet 1 K (8) **Cr(VI) DIGESTION PREP** Page __1___ of __1___

SDG # **1005157** **SW-846 Method 3060A**

Analyst No.: 2477 Date: 6-10-10

CompuChem No.	Sample Type	Sample weight (gms)	Hot Plate Temp °C	Sample filtered? (Y or N)	Final volume (mL)	Comments
0052530-BLK1	Blank	2.5	95	Y	100	08:00
0052530-BS1	LCS	2.50				
1005157-01	Sample	2.50				
0052530-MS1	MS	2.50				
0052530-MSD1	MSD	2.50				
1005157-02	Sample	2.51				
1005157-03	Sample	2.54				09:30
1005157-04	Sample	2.52				
1005157-05	Sample	2.52				
1005157-06	Sample	2.51				
1005157-07	Sample	2.54				
1005157-08	Sample	2.51				
1005157-09	Sample	2.51				11:00
1005157-10	Sample	2.53				
1005157-11	Sample	2.50				
1005157-12	Sample	2.52				
1005157-13	Sample	2.53				
1005157-14	Sample	2.52				
1005157-15	Sample	2.53				12:30
1005157-16	Sample	2.53				
1005157-17	Sample	2.50				
1005157-18	Sample	2.54				

Digestion Solution - 06 10 10 JM

Phosphate Buffer Solution - 06 10 10 JM

Matrix Spiking Solution (100mg/L CrVI) - 052206m JM 6-11-10 106)11/8-2

Digestion Time Start - 08:00

Digestion Time Stop - 12:30

NaOH ref #	106)1-13-28
K_2HPO_4 ref #	106)1-14-16
KH_2PO_4 ref #	106)1-15-10 106)12-21 JM 6-11-10

Reviewed By: _____ Date: 6-15-10

The presence of the Chemist's/analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Generated on: 6/3/2010 6:55 PM

3/24/10:jad

SW846 - METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS73-9-10 B

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Lab Sample ID: 1005157-01

Level (low/med): LOW Date Received: 5/19/2010

% Solids: 79.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8180			P
7440-36-0	Antimony	1.3		N	P
7440-38-2	Arsenic	0.66	B		P
7440-39-3	Barium	14.8	B		P
7440-41-7	Beryllium	0.13	B		P
7440-43-9	Cadmium	0.24	B		P
7440-70-2	Calcium	98.8	B		P
7440-47-3	Chromium	12.6			P
7440-48-4	Cobalt	0.63	U		P
7440-50-8	Copper	2.5			P
7439-89-6	Iron	4030		*	P
7439-92-1	Lead	8.8			P
7439-95-4	Magnesium	326	B	E	P
7439-96-5	Manganese	6.1			P
7439-97-6	Mercury	0.041	U		CV
7440-02-0	Nickel	1.1			P
7440-09-7	Potassium	327	B		P
7782-49-2	Selenium	0.63	U	N	P
7440-22-4	Silver	0.63	U		P
7440-23-5	Sodium	134	B		P
7440-28-0	Thallium	1.3	U		P
7440-62-2	Vanadium	8.5		*	P
7440-66-6	Zinc	3.8			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS51-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Lab Sample ID: 1005157-02

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 71.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4520			P
7440-36-0	Antimony	2.1		N	P
7440-38-2	Arsenic	1.4			P
7440-39-3	Barium	13.3	B		P
7440-41-7	Beryllium	0.13	B		P
7440-43-9	Cadmium	0.51	B		P
7440-70-2	Calcium	20900			P
7440-47-3	Chromium	8.0			P
7440-48-4	Cobalt	0.47	B		P
7440-50-8	Copper	41.0			P
7439-89-6	Iron	5570		*	P
7439-92-1	Lead	48.3			P
7439-95-4	Magnesium	829		E	P
7439-96-5	Manganese	35.3			P
7439-97-6	Mercury	0.13			CV
7440-02-0	Nickel	3.1			P
7440-09-7	Potassium	284	B		P
7782-49-2	Selenium	0.48	B	N	P
7440-22-4	Silver	0.23	B		P
7440-23-5	Sodium	688			P
7440-28-0	Thallium	1.3	U		P
7440-62-2	Vanadium	10.6		*	P
7440-66-6	Zinc	59.7			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.: SS51D-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Lab Sample ID: 1005157-03

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 77.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2890			P
7440-36-0	Antimony	2.1		N	P
7440-38-2	Arsenic	0.90	B		P
7440-39-3	Barium	8.7	B		P
7440-41-7	Beryllium	0.09	B		P
7440-43-9	Cadmium	0.21	B		P
7440-70-2	Calcium	3060			P
7440-47-3	Chromium	4.9			P
7440-48-4	Cobalt	0.59	U		P
7440-50-8	Copper	28.8			P
7439-89-6	Iron	3000		*	P
7439-92-1	Lead	54.6			P
7439-95-4	Magnesium	310	B	E	P
7439-96-5	Manganese	8.2			P
7439-97-6	Mercury	0.21			CV
7440-02-0	Nickel	1.5			P
7440-09-7	Potassium	60.6	B		P
7782-49-2	Selenium	0.28	B	N	P
7440-22-4	Silver	0.17	B		P
7440-23-5	Sodium	412	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	6.3		*	P
7440-66-6	Zinc	33.4			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS90-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Lab Sample ID: 1005157-04

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 95.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	393			P
7440-36-0	Antimony	1.2		N	P
7440-38-2	Arsenic	1.0	U		P
7440-39-3	Barium	2.5	B		P
7440-41-7	Beryllium	0.51	U		P
7440-43-9	Cadmium	0.51	U		P
7440-70-2	Calcium	208	B		P
7440-47-3	Chromium	1.2			P
7440-48-4	Cobalt	0.51	U		P
7440-50-8	Copper	0.51	B		P
7439-89-6	Iron	172		*	P
7439-92-1	Lead	1.5			P
7439-95-4	Magnesium	33.3	B	E	P
7439-96-5	Manganese	2.0			P
7439-97-6	Mercury	0.015	B		CV
7440-02-0	Nickel	0.24	B		P
7440-09-7	Potassium	515	U		P
7782-49-2	Selenium	0.51	U	N	P
7440-22-4	Silver	0.07	B		P
7440-23-5	Sodium	52.4	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	0.97	B	*	P
7440-66-6	Zinc	0.98	B		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB90-2-3

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Lab Sample ID: 1005157-05

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 83.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2510			P
7440-36-0	Antimony	1.5		N	P
7440-38-2	Arsenic	1.2	U		P
7440-39-3	Barium	4.4	B		P
7440-41-7	Beryllium	0.59	U		P
7440-43-9	Cadmium	0.59	U		P
7440-70-2	Calcium	388	B		P
7440-47-3	Chromium	3.6			P
7440-48-4	Cobalt	0.59	U		P
7440-50-8	Copper	0.68			P
7439-89-6	Iron	416		*	P
7439-92-1	Lead	2.3			P
7439-95-4	Magnesium	102	B	E	P
7439-96-5	Manganese	1.5			P
7439-97-6	Mercury	0.014	B		CV
7440-02-0	Nickel	0.76			P
7440-09-7	Potassium	591	U		P
7782-49-2	Selenium	0.47	B	N	P
7440-22-4	Silver	0.08	B		P
7440-23-5	Sodium	52.8	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	1.9	B	*	P
7440-66-6	Zinc	1.3	B		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.: SS70-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Lab Sample ID: 1005157-06

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 97.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	72.9			P
7440-36-0	Antimony	1.2		N	P
7440-38-2	Arsenic	0.95	U		P
7440-39-3	Barium	0.79	B		P
7440-41-7	Beryllium	0.06	B		P
7440-43-9	Cadmium	0.47	U		P
7440-70-2	Calcium	61.3	B		P
7440-47-3	Chromium	0.70	B		P
7440-48-4	Cobalt	0.47	U		P
7440-50-8	Copper	0.18	B		P
7439-89-6	Iron	42.8		*	P
7439-92-1	Lead	1.5			P
7439-95-4	Magnesium	7.3	B	E	P
7439-96-5	Manganese	1.8			P
7439-97-6	Mercury	0.011	B		CV
7440-02-0	Nickel	0.14	B		P
7440-09-7	Potassium	474	U		P
7782-49-2	Selenium	0.47	U	N	P
7440-22-4	Silver	0.03	B		P
7440-23-5	Sodium	37.6	B		P
7440-28-0	Thallium	0.95	U		P
7440-62-2	Vanadium	0.34	B	*	P
7440-66-6	Zinc	0.62	B		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.: SB70-1-2

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Lab Sample ID: 1005157-07

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 89.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2350			P
7440-36-0	Antimony	1.4		N	P
7440-38-2	Arsenic	1.1	U		P
7440-39-3	Barium	3.1	B		P
7440-41-7	Beryllium	0.05	B		P
7440-43-9	Cadmium	0.54	U		P
7440-70-2	Calcium	87.2	B		P
7440-47-3	Chromium	1.7			P
7440-48-4	Cobalt	0.54	U		P
7440-50-8	Copper	0.21	B		P
7439-89-6	Iron	217		*	P
7439-92-1	Lead	2.9			P
7439-95-4	Magnesium	61.2	B	E	P
7439-96-5	Manganese	1.3			P
7439-97-6	Mercury	0.024	B		CV
7440-02-0	Nickel	0.43	B		P
7440-09-7	Potassium	540	U		P
7782-49-2	Selenium	0.54	U	N	P
7440-22-4	Silver	0.06	B		P
7440-23-5	Sodium	80.1	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	0.94	B	*	P
7440-66-6	Zinc	1.1	B		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS69-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Lab Sample ID: 1005157-08

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 85.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1350			P
7440-36-0	Antimony	1.3		N	P
7440-38-2	Arsenic	1.2	U		P
7440-39-3	Barium	2.9	B		P
7440-41-7	Beryllium	0.58	U		P
7440-43-9	Cadmium	0.58	U		P
7440-70-2	Calcium	110	B		P
7440-47-3	Chromium	1.9			P
7440-48-4	Cobalt	0.58	U		P
7440-50-8	Copper	0.29	B		P
7439-89-6	Iron	1280		*	P
7439-92-1	Lead	2.1			P
7439-95-4	Magnesium	44.7	B	E	P
7439-96-5	Manganese	1.9			P
7439-97-6	Mercury	0.017	B		CV
7440-02-0	Nickel	0.43	B		P
7440-09-7	Potassium	576	U		P
7782-49-2	Selenium	0.43	B	N	P
7440-22-4	Silver	0.10	B		P
7440-23-5	Sodium	64.0	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	2.4		*	P
7440-66-6	Zinc	1.4	B		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB69-2-3

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Lab Sample ID: 1005157-09

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 82.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9890			P
7440-36-0	Antimony	1.4		N	P
7440-38-2	Arsenic	1.9			P
7440-39-3	Barium	8.5	B		P
7440-41-7	Beryllium	0.05	B		P
7440-43-9	Cadmium	0.36	B		P
7440-70-2	Calcium	171	B		P
7440-47-3	Chromium	11.2			P
7440-48-4	Cobalt	0.60	U		P
7440-50-8	Copper	0.68			P
7439-89-6	Iron	8410		*	P
7439-92-1	Lead	3.7			P
7439-95-4	Magnesium	300	B	E	P
7439-96-5	Manganese	7.0			P
7439-97-6	Mercury	0.016	B		CV
7440-02-0	Nickel	3.4			P
7440-09-7	Potassium	64.1	B		P
7782-49-2	Selenium	1.0		N	P
7440-22-4	Silver	0.07	B		P
7440-23-5	Sodium	69.3	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	14.2		*	P
7440-66-6	Zinc	5.2			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB64-1-2

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Lab Sample ID: 1005157-10

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 86.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3870			P
7440-36-0	Antimony	1.3		N	P
7440-38-2	Arsenic	1.1	U		P
7440-39-3	Barium	15.4	B		P
7440-41-7	Beryllium	0.54	U		P
7440-43-9	Cadmium	0.11	B		P
7440-70-2	Calcium	162	B		P
7440-47-3	Chromium	4.1			P
7440-48-4	Cobalt	0.54	U		P
7440-50-8	Copper	0.75			P
7439-89-6	Iron	2700		*	P
7439-92-1	Lead	3.3			P
7439-95-4	Magnesium	175	B	E	P
7439-96-5	Manganese	25.9			P
7439-97-6	Mercury	0.016	B		CV
7440-02-0	Nickel	1.2			P
7440-09-7	Potassium	544	U		P
7782-49-2	Selenium	0.54	U	N	P
7440-22-4	Silver	0.54	U		P
7440-23-5	Sodium	68.0	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	5.6		*	P
7440-66-6	Zinc	3.3			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB65-1-2

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Lab Sample ID: 1005157-11

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 80.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3220			P
7440-36-0	Antimony	1.5		N	P
7440-38-2	Arsenic	1.2	U		P
7440-39-3	Barium	2.5	B		P
7440-41-7	Beryllium	0.07	B		P
7440-43-9	Cadmium	0.62	U		P
7440-70-2	Calcium	79.8	B		P
7440-47-3	Chromium	4.2			P
7440-48-4	Cobalt	0.62	U		P
7440-50-8	Copper	0.25	B		P
7439-89-6	Iron	147		*	P
7439-92-1	Lead	2.4			P
7439-95-4	Magnesium	53.7	B	E	P
7439-96-5	Manganese	0.94	B		P
7439-97-6	Mercury	0.025	B		CV
7440-02-0	Nickel	0.26	B		P
7440-09-7	Potassium	618	U		P
7782-49-2	Selenium	0.43	B	N	P
7440-22-4	Silver	0.09	B		P
7440-23-5	Sodium	65.3	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	2.7		*	P
7440-66-6	Zinc	0.88	B		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SS64-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Lab Sample ID: 1005157-12

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 90.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5150			P
7440-36-0	Antimony	1.0		N	P
7440-38-2	Arsenic	1.0	U		P
7440-39-3	Barium	17.4	B		P
7440-41-7	Beryllium	0.09	B		P
7440-43-9	Cadmium	0.14	B		P
7440-70-2	Calcium	161	B		P
7440-47-3	Chromium	4.3			P
7440-48-4	Cobalt	0.51	U		P
7440-50-8	Copper	0.95			P
7439-89-6	Iron	2900		*	P
7439-92-1	Lead	3.2			P
7439-95-4	Magnesium	195	B	E	P
7439-96-5	Manganese	51.1			P
7439-97-6	Mercury	0.028	B		CV
7440-02-0	Nickel	1.4			P
7440-09-7	Potassium	505	U		P
7782-49-2	Selenium	0.27	B	N	P
7440-22-4	Silver	0.04	B		P
7440-23-5	Sodium	61.1	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	5.4		*	P
7440-66-6	Zinc	3.9			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS66-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Lab Sample ID: 1005157-13

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 49.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2240			P
7440-36-0	Antimony	1.5	B	N	P
7440-38-2	Arsenic	0.84	B		P
7440-39-3	Barium	3.5	B		P
7440-41-7	Beryllium	0.95	U		P
7440-43-9	Cadmium	0.15	B		P
7440-70-2	Calcium	1780			P
7440-47-3	Chromium	6.9			P
7440-48-4	Cobalt	0.95	U		P
7440-50-8	Copper	1.9			P
7439-89-6	Iron	2320		*	P
7439-92-1	Lead	4.3			P
7439-95-4	Magnesium	1650		E	P
7439-96-5	Manganese	9.8			P
7439-97-6	Mercury	0.025	B		CV
7440-02-0	Nickel	2.2			P
7440-09-7	Potassium	613	B		P
7782-49-2	Selenium	0.56	B	N	P
7440-22-4	Silver	0.11	B		P
7440-23-5	Sodium	7730			P
7440-28-0	Thallium	1.9	U		P
7440-62-2	Vanadium	7.9		*	P
7440-66-6	Zinc	8.0			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS65-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Lab Sample ID: 1005157-14

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 85.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	490			P
7440-36-0	Antimony	1.4		N	P
7440-38-2	Arsenic	1.1	U		P
7440-39-3	Barium	0.90	B		P
7440-41-7	Beryllium	0.07	B		P
7440-43-9	Cadmium	0.54	U		P
7440-70-2	Calcium	91.8	B		P
7440-47-3	Chromium	1.0	B		P
7440-48-4	Cobalt	0.54	U		P
7440-50-8	Copper	0.32	B		P
7439-89-6	Iron	81.9		*	P
7439-92-1	Lead	1.3			P
7439-95-4	Magnesium	11.1	B	E	P
7439-96-5	Manganese	0.72	B		P
7439-97-6	Mercury	0.011	B		CV
7440-02-0	Nickel	0.23	B		P
7440-09-7	Potassium	544	U		P
7782-49-2	Selenium	0.29	B	N	P
7440-22-4	Silver	0.05	B		P
7440-23-5	Sodium	57.1	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	0.66	B	*	P
7440-66-6	Zinc	1.1	B		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.: SS82-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Lab Sample ID: 1005157-15

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 97.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1650			P
7440-36-0	Antimony	1.1		N	P
7440-38-2	Arsenic	0.96	U		P
7440-39-3	Barium	6.4	B		P
7440-41-7	Beryllium	0.48	U		P
7440-43-9	Cadmium	0.08	B		P
7440-70-2	Calcium	655			P
7440-47-3	Chromium	2.3			P
7440-48-4	Cobalt	0.48	U		P
7440-50-8	Copper	1.1			P
7439-89-6	Iron	1040		*	P
7439-92-1	Lead	5.2			P
7439-95-4	Magnesium	114	B	E	P
7439-96-5	Manganese	11.6			P
7439-97-6	Mercury	0.013	B		CV
7440-02-0	Nickel	0.80			P
7440-09-7	Potassium	481	U		P
7782-49-2	Selenium	0.27	B	N	P
7440-22-4	Silver	0.04	B		P
7440-23-5	Sodium	49.5	B		P
7440-28-0	Thallium	0.96	U		P
7440-62-2	Vanadium	3.1		*	P
7440-66-6	Zinc	3.6			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS82D-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Lab Sample ID: 1005157-16

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 97.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2170			P
7440-36-0	Antimony	1.2		N	P
7440-38-2	Arsenic	1.0	U		P
7440-39-3	Barium	7.0	B		P
7440-41-7	Beryllium	0.51	U		P
7440-43-9	Cadmium	0.10	B		P
7440-70-2	Calcium	675			P
7440-47-3	Chromium	2.6			P
7440-48-4	Cobalt	0.51	U		P
7440-50-8	Copper	1.6			P
7439-89-6	Iron	1280		*	P
7439-92-1	Lead	5.0			P
7439-95-4	Magnesium	146	B	E	P
7439-96-5	Manganese	14.2			P
7439-97-6	Mercury	0.015	B		CV
7440-02-0	Nickel	0.98			P
7440-09-7	Potassium	510	U		P
7782-49-2	Selenium	0.51	U	N	P
7440-22-4	Silver	0.07	B		P
7440-23-5	Sodium	60.8	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	3.6		*	P
7440-66-6	Zinc	4.6			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS
-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SB82-2-3

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Lab Sample ID: 1005157-17

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 85.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15200			P
7440-36-0	Antimony	1.4		N	P
7440-38-2	Arsenic	1.7			P
7440-39-3	Barium	25.4			P
7440-41-7	Beryllium	0.08	B		P
7440-43-9	Cadmium	0.31	B		P
7440-70-2	Calcium	773			P
7440-47-3	Chromium	14.8			P
7440-48-4	Cobalt	0.44	B		P
7440-50-8	Copper	2.7			P
7439-89-6	Iron	6460		*	P
7439-92-1	Lead	4.6			P
7439-95-4	Magnesium	304	B	E	P
7439-96-5	Manganese	7.1			P
7439-97-6	Mercury	0.025	B		CV
7440-02-0	Nickel	3.7			P
7440-09-7	Potassium	124	B		P
7782-49-2	Selenium	0.58	U	N	P
7440-22-4	Silver	0.58	U		P
7440-23-5	Sodium	62.0	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	16.8		*	P
7440-66-6	Zinc	4.8			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB82D-2-3

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005157

Matrix (soil/water): SOIL Lab Sample ID: 1005157-18

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 86.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9620			P
7440-36-0	Antimony	1.3		N	P
7440-38-2	Arsenic	0.88	B		P
7440-39-3	Barium	16.7	B		P
7440-41-7	Beryllium	0.08	B		P
7440-43-9	Cadmium	0.24	B		P
7440-70-2	Calcium	515	B		P
7440-47-3	Chromium	9.4			P
7440-48-4	Cobalt	0.32	B		P
7440-50-8	Copper	2.6			P
7439-89-6	Iron	4290		*	P
7439-92-1	Lead	3.7			P
7439-95-4	Magnesium	197	B	E	P
7439-96-5	Manganese	4.6			P
7439-97-6	Mercury	0.032	B		CV
7440-02-0	Nickel	2.3			P
7440-09-7	Potassium	23.8	B		P
7782-49-2	Selenium	0.45	B	N	P
7440-22-4	Silver	0.08	B		P
7440-23-5	Sodium	72.6	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	10.8		*	P
7440-66-6	Zinc	12.3			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

24783

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CHAIN OF CUSTODY

CompuChem
a division of Liberty Analytical Corp.

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page 1 of 2

Courier:
Airbill No.:
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: VA BEACH State: VA Zip: 23462
Project Contact: REBEKHA SHAW
Phone #: 757-671-6279
Sampler's Name: K Rogus / Leon

Project Information

Project Name: CTO-94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N) If yes, which ID(s)?

Matrix Codes: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No.	Field ID	Date	Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other	TOT METALS 6010B	TOT CHROMIUM 6010B (Share 2oz)	Chrom. VI 7196A	SIM PAH 8270C (Share 8oz.)	TCL PEST. 8081A	GRAIN SIZE ASTM D422 (1-8oz.)	Grain size
1005134-06	BBG-SS33-0-1-10B	5.17	1150	SO	3								X	X	X	X	X	1005211-08
-07	BBG-SB33-4-5-10B	5.17	1200	SO	3								X	X	X	X	X	-09
-08	BBG-SB31-5-6-10B	5.17	1240	SO	3								X	X	X	X	X	-10
-09	BBG-SS31-0-1-10B	5.17	1225	SO	3								X	X	X	X	X	-11
1005135-01	BBG-SB73-9-10-10B	5.17	1500	SO	3							X		X	X	X	X	-12
-01	BBG-SB73-9-10-10B-MS	5.17	1500	SO	2							X		X	X	X		
-01	BBG-SB73-9-10-10B-SD	5.17	1500	SO	2							X		X	X	X		
1005134-10	BBG-SS32-0-1-10B	5.18	1100	SO	3								X	X	X	X	X	1005211-13
-11	BBG-SS32D-0-1-10B	5.18	1105	SO	[illegible]								X	X	X	X	~~X~~ (Cmt)	
-12	BBG-SB32-2.5-3.5-10B	5.18	1110	SO	3								X	X	X	X	X	1005211-14

Lab Use Only

Sample Unpacked By: K Manning
Sample Order Entry By: [signature]
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Sample Custody

Relinquished by: [signature]	Date/Time: 5.18.10 1420	Received by: K Manning	Date/Time: 5.19.10 ~~4:30~~ 0905
Relinquished by:	Date/Time:	Received by:	Date/Time:
Subcontract? (Y) or N If yes, where? Grain size to CT Labs	Custody Seal(s) intact? (Y) or N	On Ice? (Y) or N	Cooler Temp: 4.3 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

SN0010

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24784

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CHAIN OF CUSTODY

CompuChem
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501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page ____ of ____

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information
Company Name: CH2M HILL	Project Name: CTO 94
Address: 5700 Cleveland St, 101	Sampling Location: MCB CAMP LEJEUNE
City: VA BEACH State: VA Zip: 23462	Turnaround time: PER Contract
Project Contact: Rebekkha Shaw	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 757-671-6279	Are aqueous samples field filtered for metals? Y or (N)
Sampler's Name: K. ROGERS	Are high concentrations expected? Y or (N) If yes, which ID(s)?

Matrix codes: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

Lab ID	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B (Share 1-2oz.)	Tot Cr 6010B	Cr VI 7196A	PAH 8270C (Share 1-8oz.)	TCL Pest 8081A	Grain Size ASTM D422 (1-8oz.)		Grain size						
1005133-14	BBG-SS88-0-1-10B	5.19	0910	SO	3							X		X	X	X	X		1005210-09						
-15	BBG-SB88-2.5-3.5-10B	5.19	0925	SO	3							X		X	X	X	X								-10
-16	BBG-SS76-0-1-10B	5.19	0955	SO	3							X		X	X	X	X								-11
-17	BBG-SB76-6-7-10B	5.19	1045	SO	3							X		X	X	X	X								-12
-18	BBG-SS87-0-1-10B	5.19	1145	SO	3							X		X	X	X	X								-13
-19	BBG-SB87-3-4-10B	5.19	1155	SO	3							X		X	X	X	X								-14
1005134-15	BBG-SS12-0-1-10B	5.19	1245	SO	3								X	X	X	X	X								-15
-16	BBG-SB12-2-3-10B	5.19	1255	SO	3								X	X	X	X	X								-16
1005157-02	BBG-SS51-0-1-10B	5.19	1630	SO	3							X		X	X	X	X		✓						-17
-03	BBG-SS51D-0-1-10B	5.19	1635	SO	2							X		X	X	X									—

Lab Use Only

Sample Unpacked By: K. Manning	Cyanide samples checked for sulfide & chlorine? Y or N/A	
Sample Order Entry By:	625 & Phenol samples checked for chlorine? Y or N/A	
Samples Received in Good Condition? (Y) or N	608 samples checked for pH between 5.0-9.0? Y or N/A	
If no, explain:		

Sample Custody

Relinquished by:	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5.21.10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? (Y) or N If yes, where? Grain size to CT LABS — Custody Seal(s) intact? Y or (N) — On Ice? (Y) or N — Cooler Temp: 3.9 °C

KM 5.21.10 - Client Delivery

Samples stored 60 days after date report mailed at no extra charge.

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SN0015

R2

24786

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CHAIN OF CUSTODY

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501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page ____ of ____

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information	Requested Analysis/analytical method (circle)
Company Name: CH2M HILL	Project Name: CTO 94	
Address: 5700 Cleveland St, 101	Sampling Location: MCB CAMP LEJEUNE	
City: Va Beach State: VA Zip: 23462	Turnaround time: PER CONTRACT	
Project Contact: REBEKHA SHAW	Batch QC or Project Specific? If Specific, which Sample ID?	
Phone #: 757-671-6279	Are aqueous samples field filtered for metals? Y or (N)	
Sampler's Name: K. ROGERS	Are high concentrations expected? Y or (N) If yes, which ID(s)?	

Matrix: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

Lab Use Only (Lancaster)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B (Shaw 1-2621)	tot Cr 6010B	Cr VI 7196A	SIM PAH 8270C (Shaw 1-2621)	DCL PEST 8081A	Grain Size ASTM D422 (1-2621)		Grain size						
1005157-04	BBG-SS90-0-1-10B	5.19	1455	SO	3							X		X	X	X	X		1005212-18						
-05	BBG-SB90-2-3-10B	5.19	1500	SO	3							X		X	X	X	X		"		-19				
1005134-17	BBG-SS44-0-1-10B	5.20	0810	SO	3								X	X	X	X	X		"		-20				
1005134-18	BBG-SB44-5-6-10B	5.20	0825	SO	3								X	X	X	X	X		1005213-01						
	BBG-SB44-5-6-10B-MS	5.20	0825	SO	2								X	X	X	X			—						
	BBG-SB44-5-6-10B-SD	5.20	0825	SO	2								X	X	X	X			—						
1005133-20	BBG-SS68-0-1-10B	5.20	~~0930~~ 0935	SO	3							X		X	X	X	X		1005213-02						
1005134-19	BBG-SS43-0-1-10B	5.20	1035	SO	3								X	X	X	X	X		"		-03				
-20	BBG-SB43-3-4-10B	5.20	1045	SO	3								X	X	X	X	X		"		-04				

Lab Use Only	Comments
Sample Unpacked By: K. Manning	Cyanide samples checked for sulfide & chlorine? Y or (N/A)
Sample Order Entry By: [illegible]	625 & Phenol samples checked for chlorine? Y or (N/A)
Samples Received in Good Condition? (Y) or N	608 samples checked for pH between 5.0-9.0? Y or (N/A)
If no, explain:	

Sample Shipped			
Relinquished by: [signature]	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5.21.10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? (Y) or N If yes, where? Grain size to CT LABS

Custody Seal(s) intact? Y or (N)

On Ice? (Y) or N

Cooler Temp: 3.1 °C

Samples stored 60 days after date report mailed at no extra charge.

Client Delivery - KM 5/21/10

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CHAIN OF CUSTODY

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Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St Ste 107
City: Va Beach State: VA Zip: 23462
Project Contact: Rebekha Shaw
Phone #: 757-671-6279
Sampler's Name: K. Rogers

Project Information

Project Name: CTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N)? If yes, which ID(s)?

Requested Analysis (include method/analyte list)

Matrix
GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

Lab Use Only (Labbase)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B (Share 1-2oz.)	Tot Cr-6010B	Cr VI 7196A	SIM PAH 8270C (Share 1-8oz.)	TCL PEST 8081A	Grain Size ASTM D422 (1-8oz.)		Gran size						
1005157-05	BBG-SS70-0-1-10B	5.20	1200	SO	3							X		X	X	X	X		1005213-05						
-07	BBG-SB70-1-2-10B	5.20	1210	SO	3							X		X	X	X	X						-06		
1005180-01	SBG-SS41-0-1-10B	5.20	1520	SO	3								X	X	X	X	X						-07		
	~~BBG-SB41-1-2-10B~~	~~5.20~~	~~125~~	~~SO~~																					
1005180-02	BBG-SB41-1-2-10B	5.20	1525	SO	3								X	X	X	X	X		1005213-08						
1005157-08	BBG-SS69-0-1-10B	5.20	1610	SO	3							X		X	X	X	X						-09		
-09	BBG-SB69-2-3-10B	5.20	1620	SO	3							X		X	X	X	X						-10		
-10	BBG-SB69-1-2-10B	5.20	1820	SO	3							X		X	X	X	X						-11		
-11	BBG-SB65-1-2-10B	5.20	1745	SO	3							X		X	X	X	X						-12		
-12	BBG-SS64-0-1-10B	5.20	1815	SO	3							X		X	X	X	X						-13		

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (N/A)
625 & Phenol samples checked for chlorine? Y or (N/A)
608 samples checked for pH between 5.0-9.0? Y or (N/A)

Comments

Relinquished by:	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5-21-10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:
Subcontract? Y or (N) If yes, where? Gran size to CT LABS	Custody Seal(s) intact? Y or (N)	On Ice? (Y) or N	Cooler Temp: 0.3 °C

Samples stored 60 days after date report mailed at no extra charge.

KM 5-21-10 - Client Delivery

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CHAIN OF CUSTODY

Page 1 of 1

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501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: Va Beach State: VA Zip: 23462
Project Contact: Rebekha Shaw
Phone #: 757-671-6279
Sampler's Name: K. ROGERS

Project Information

Project Name: CTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N)? If yes, which ID(s)?

Requested Analyses (Include method and bottle type)

Matrices
GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

CompuChem ID (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	6010B metals (Shared 20z.)	tot cr 6010B	cr VI 7196A	SIM PAH 8270C (Shared 80z.)	TCL PEST 8081A	Grain Size ASTM D422 (1-80z)		Gran size		
1005180-03	BBG-SS35-0-1-10B	5.20	1650	SO	3								X	X	X	X	X		1005213-14		
1005157-13	BBG-SS66-0-1-10B	5.20	1720	SO	3							X		X	X	X	X				15
-14	BBG-SS65-0-1-10B	5.20	1740	SO	3							X		X	X	X	X				16
1005180-04	BBG-SB35-2-3-10B	5.20	1700	SO	3								X	X	X	X	X				17
1005157-15	BBG-SS82-0-1-10B	5.21	0825	SO	3							X	X	X	X	X	X		✓		18
-16	BBG-SS82D-0-1-10B	5.21	0830	SO	3							X	X	X	X	X					
-17	BBG-SB82-2-3-10B	5.21	0840	SO	3							X		X	X	X	X		1005213-19		
-18	BBG-SB82D-2-3-10B	5.21	0845	SO	3							X		X	X	X					

Lab Use Only

Sample Unpacked By: K Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

Sample Custody

Relinquished by:	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5.21.10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? (Y) or N If yes, where? Gramsize to CT LABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 1.3 °C

Samples stored 60 days after date report mailed at no extra charge.

KM 5.21.10 - Client Delivery

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Sample ID Cross Reference

LAB WO	Project	Sample #	Field ID	Sample Date	Rec Date	DueDate	Chain of Custody ID
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-01	SB73-9-10	05/17/2010	05/19/2010	06/03/2010	BBG-SB73-9-10-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-01	SB73-9-10	05/17/2010	05/19/2010	06/10/2010	BBG-SB73-9-10-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-02	SS51-0-1	05/19/2010	05/21/2010	06/03/2010	BBG-SS51-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-02	SS51-0-1	05/19/2010	05/21/2010	06/10/2010	BBG-SS51-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-03	SS51D-0-1	05/19/2010	05/21/2010	06/03/2010	BBG-SS51D-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-03	SS51D-0-1	05/19/2010	05/21/2010	06/10/2010	BBG-SS51D-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-04	SS90-0-1	05/19/2010	05/21/2010	06/03/2010	BBG-SS90-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-04	SS90-0-1	05/19/2010	05/21/2010	06/10/2010	BBG-SS90-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-05	SB90-2-3	05/19/2010	05/21/2010	06/03/2010	BBG-SB90-2-3-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-05	SB90-2-3	05/19/2010	05/21/2010	06/10/2010	BBG-SB90-2-3-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-06	SS70-0-1	05/20/2010	05/21/2010	06/03/2010	BBG-SS70-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-06	SS70-0-1	05/20/2010	05/21/2010	06/10/2010	BBG-SS70-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-07	SB70-1-2	05/20/2010	05/21/2010	06/03/2010	BBG-SB70-1-2-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-07	SB70-1-2	05/20/2010	05/21/2010	06/10/2010	BBG-SB70-1-2-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-08	SS69-0-1	05/20/2010	05/21/2010	06/03/2010	BBG-SS69-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-08	SS69-0-1	05/20/2010	05/21/2010	06/10/2010	BBG-SS69-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-09	SB69-2-3	05/20/2010	05/21/2010	06/03/2010	BBG-SB69-2-3-10B

LAB WO	Project	Sample #	Field ID	Sample Date	Rec Date	DueDate	Chain of Custody ID
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-09	SB69-2-3	05/20/2010	05/21/2010	06/10/2010	BBG-SB69-2-3-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-10	SB64-1-2	05/20/2010	05/21/2010	06/03/2010	BBG-SB64-1-2-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-10	SB64-1-2	05/20/2010	05/21/2010	06/10/2010	BBG-SB64-1-2-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-11	SB65-1-2	05/20/2010	05/21/2010	06/03/2010	BBG-SB65-1-2-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-11	SB65-1-2	05/20/2010	05/21/2010	06/10/2010	BBG-SB65-1-2-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-12	SS64-0-1	05/20/2010	05/21/2010	06/03/2010	BBG-SS64-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-12	SS64-0-1	05/20/2010	05/21/2010	06/10/2010	BBG-SS64-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-13	SS66-0-1	05/20/2010	05/21/2010	06/03/2010	BBG-SS66-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-13	SS66-0-1	05/20/2010	05/21/2010	06/10/2010	BBG-SS66-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-14	SS65-0-1	05/20/2010	05/21/2010	06/03/2010	BBG-SS65-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-14	SS65-0-1	05/20/2010	05/21/2010	06/10/2010	BBG-SS65-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-15	SS82-0-1	05/21/2010	05/21/2010	06/03/2010	BBG-SS82-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-15	SS82-0-1	05/21/2010	05/21/2010	06/10/2010	BBG-SS82-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-16	SS82D-0-1	05/21/2010	05/21/2010	06/03/2010	BBG-SS82D-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-16	SS82D-0-1	05/21/2010	05/21/2010	06/10/2010	BBG-SS82D-0-1-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-17	SB82-2-3	05/21/2010	05/21/2010	06/03/2010	BBG-SB82-2-3-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-17	SB82-2-3	05/21/2010	05/21/2010	06/10/2010	BBG-SB82-2-3-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-18	SB82D-2-3	05/21/2010	05/21/2010	06/03/2010	BBG-SB82D-2-3-10B
1005157	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005157-18	SB82D-2-3	05/21/2010	05/21/2010	06/10/2010	BBG-SB82D-2-3-10B

WORK ORDER

1005157

Printed: 7/7/2010 10:36:29AM

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005157** **CASE:**	**Status:**	**Reported**

Report To:
CH2M HILL, INC.
REBEKHA SHAW
5700 CLEVELAND STREET, SUITE 101
VIRGINIA BEACH, VA 23462
Phone: 757-671-8311
Fax: -

Invoice To:
CH2M HILL, INC.
ACCOUNTS PAYABLE
P.O. BOX 241329
DENVER, CO 80224
Phone :757-671-8311
Fax: -

Date Due: 06/10/2010 00:00 (20 day TAT)

Received By: Cathy Dover — Date Received: 05/21/2010 16:00

Logged In By: Cathy Dover — Date Logged In: 05/20/2010 11:35

J & B Flags?: **YES**	TICS?:**NO**	Deliverable: **Style 9 PQL/MDL Forms**	EDD : **30) CH2 SNEDD**
Metals ND to? **RL/CRQL**	Spike Level: **FULL Spike**		

DOD CRITERIA*USE 1005157-01 FOR QC*SIM 8270C=PAH.SUB*PEST 8081A*TAL METALS*HEXAVALENT Cr 7196A + Cr+3 REPORTED ON FORMS & EDD

Analysis	Due	TAT	Expires	Received	Comments
1005157-01 SB73-9-10 [Soil] Sampled 05/17/2010 15:00 Eastern					**USE FOR QC**
GC-8081A/PEST	06/10/2010 16:00	20	05/31/2010 15:00	05/19/2010 09:05	
Solids, Dry Weight	06/03/2010 16:00	13	11/13/2010 15:00	05/19/2010 09:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	05/31/2010 15:00	05/19/2010 09:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/13/2010 15:00	05/19/2010 09:05	
6010B METALS TAL	06/10/2010 16:00	20	11/13/2010 15:00	05/19/2010 09:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/14/2010 15:00	05/19/2010 09:05	
1005157-02 SS51-0-1 [Soil] Sampled 05/19/2010 16:30 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 16:30	05/21/2010 16:05	
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 16:30	05/21/2010 16:05	
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 16:30	05/21/2010 16:05	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 16:30	05/21/2010 16:05	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 16:30	05/21/2010 16:05	
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 16:30	05/21/2010 16:05	

1005157

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005157** **CASE:**	**Status:**	**Reported**

Analysis	Due	TAT	Expires	Comments
1005157-03 SS51D-0-1 [Soil] Sampled 05/19/2010 16:35 Eastern				
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 16:35	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 16:35	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 16:35	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 16:35	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 16:35	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 16:35	05/21/2010 16:05
1005157-04 SS90-0-1 [Soil] Sampled 05/19/2010 14:55 Eastern				
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 14:55	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 14:55	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 14:55	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 14:55	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 14:55	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 14:55	05/21/2010 16:05
1005157-05 SB90-2-3 [Soil] Sampled 05/19/2010 15:00 Eastern				
7470A/7471A Mercury	06/10/2010 16:00	20	06/16/2010 15:00	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/15/2010 15:00	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/02/2010 15:00	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/15/2010 15:00	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/02/2010 15:00	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/15/2010 15:00	05/21/2010 16:05
1005157-06 SS70-0-1 [Soil] Sampled 05/20/2010 12:00 Eastern				
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 12:00	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 12:00	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 12:00	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 12:00	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 12:00	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 12:00	05/21/2010 16:05

1005157

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005157** **CASE:**	**Status:**	**Reported**

Analysis	Due	TAT	Expires	Comments
1005157-07 SB70-1-2 [Soil] Sampled 05/20/2010 12:10 Eastern				
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 12:10	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 12:10	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 12:10	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 12:10	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 12:10	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 12:10	05/21/2010 16:05
1005157-08 SS69-0-1 [Soil] Sampled 05/20/2010 16:10 Eastern				
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 16:10	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 16:10	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 16:10	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 16:10	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 16:10	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 16:10	05/21/2010 16:05
1005157-09 SB69-2-3 [Soil] Sampled 05/20/2010 16:20 Eastern				
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 16:20	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 16:20	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 16:20	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 16:20	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 16:20	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 16:20	05/21/2010 16:05
1005157-10 SB64-1-2 [Soil] Sampled 05/20/2010 18:20 Eastern				
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 18:20	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 18:20	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 18:20	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 18:20	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 18:20	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 18:20	05/21/2010 16:05

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005157** **CASE:**	**Status:**	**Reported**

Analysis	Due	TAT	Expires	Comments
1005157-11 SB65-1-2 [Soil] Sampled 05/20/2010 17:45 Eastern				
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 17:45	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 17:45	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 17:45	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 17:45	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 17:45	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 17:45	05/21/2010 16:05
1005157-12 SS64-0-1 [Soil] Sampled 05/20/2010 18:15 Eastern				
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 18:15	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 18:15	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 18:15	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 18:15	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 18:15	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 18:15	05/21/2010 16:05
1005157-13 SS66-0-1 [Soil] Sampled 05/20/2010 17:20 Eastern				
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 17:20	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 17:20	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 17:20	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 17:20	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 17:20	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 17:20	05/21/2010 16:05
1005157-14 SS65-0-1 [Soil] Sampled 05/20/2010 17:40 Eastern				
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 17:40	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 17:40	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/17/2010 17:40	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 17:40	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 17:40	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/16/2010 17:40	05/21/2010 16:05

1005157

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005157** **CASE:**	**Status:**	**Reported**

Analysis	Due	TAT	Expires	Comments
1005157-15 SS82-0-1 [Soil] Sampled 05/21/2010 08:25 Eastern				
6010B METALS TAL	06/10/2010 16:00	20	11/17/2010 08:25	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/04/2010 08:25	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/17/2010 08:25	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/17/2010 08:25	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/04/2010 08:25	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/18/2010 08:25	05/21/2010 16:05
1005157-16 SS82D-0-1 [Soil] Sampled 05/21/2010 08:30 Eastern				
Solids, Dry Weight	06/03/2010 16:00	13	11/17/2010 08:30	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/04/2010 08:30	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/17/2010 08:30	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/04/2010 08:30	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/18/2010 08:30	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/17/2010 08:30	05/21/2010 16:05
1005157-17 SB82-2-3 [Soil] Sampled 05/21/2010 08:40 Eastern				
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/17/2010 08:40	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/17/2010 08:40	05/21/2010 16:05
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/04/2010 08:40	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/17/2010 08:40	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/18/2010 08:40	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/04/2010 08:40	05/21/2010 16:05
1005157-18 SB82D-2-3 [Soil] Sampled 05/21/2010 08:45 Eastern				
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/04/2010 08:45	05/21/2010 16:05
7470A/7471A Mercury	06/10/2010 16:00	20	06/18/2010 08:45	05/21/2010 16:05
GC-8081A/PEST	06/10/2010 16:00	20	06/04/2010 08:45	05/21/2010 16:05
6010B METALS TAL	06/10/2010 16:00	20	11/17/2010 08:45	05/21/2010 16:05
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/17/2010 08:45	05/21/2010 16:05
Solids, Dry Weight	06/03/2010 16:00	13	11/17/2010 08:45	05/21/2010 16:05

Analysis groups included in this work order

TRIVALENT CHROMIUM Cr3 7196A

Total Cr by Metals HEXAVALENT CHROMI

INTERNAL DIGESTION COC

0052530

COMPUCHEM

Printed: 6/3/2010 6:55:46PM

Matrix: Water **Prepared using: WET CHEM - Default Prep GenChe**

Lab Number	Client ID	Sample Type	
0052530-BLK1	0052530-BLK1	Blank	
0052530-BS1	0052530-BS1	LCS	
0052530-MS1	SB73-9-10MS	Matrix Spike	
0052530-MSD1	SB73-9-10MSD	Matrix Spike Dup	
1005157-01	SB73-9-10	Sample	
1005157-02	SS51-0-1	Sample	
1005157-03	SS51D-0-1	Sample	
1005157-04	SS90-0-1	Sample	
1005157-05	SB90-2-3	Sample	
1005157-06	SS70-0-1	Sample	
1005157-07	SB70-1-2	Sample	
1005157-08	SS69-0-1	Sample	
1005157-09	SB69-2-3	Sample	
1005157-10	SB64-1-2	Sample	
1005157-11	SB65-1-2	Sample	
1005157-12	SS64-0-1	Sample	
1005157-13	SS66-0-1	Sample	
1005157-14	SS65-0-1	Sample	

Prep-lab	6-10-10	Wetchem	6-10-10
Relinquished By	Date	Received By	Date
	6-10-10	Storage	6-11-10
Relinquished By	Date	Received By	Date
Relinquished By	Date	Received By	Date
Relinquished By	Date	Received By	Date

INTERNAL DIGESTION COC

0052530

COMPUCHEM

Printed: 6/3/2010 6:55:46PM

Matrix: Water **Prepared using: WET CHEM - Default Prep GenChe**

Lab Number	Client ID	Sample Type	
1005157-15	SS82-0-1	Sample	
1005157-16	SS82D-0-1	Sample	
1005157-17	SB82-2-3	Sample	
1005157-18	SB82D-2-3	Sample	

Cont JR 6/1/10

Relinquished By	Date	Received By	Date
Relinquished By	Date	Received By	Date
Relinquished By	Date	Received By	Date
Relinquished By	Date	Received By	Date

Weteb

Extractions Custody Sheet

Batch: 0052530 **Status:** Batched **Analysis**: HEXAVALENT CHROMIUM 7196A

Lab Id	Client_Id	Received	Container	Extraction	Preservative	Matrix	Due Date	Cust Date
1005157-01 F	SS73-9-10 @ 7/7/10	05/19/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/28/2010
1005157-02 B	SS51-0-1 @ 7/7/10	05/21/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/28/2010
1005157-03 B	SS51D-0-1 @ 7/7/10	05/21/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/28/2010
1005157-04 B	SS90-0-1	05/21/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/28/2010
1005157-05 B	SB90-2-3	05/21/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/28/2010
1005157-06 B	SS70-0-1	05/21/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/28/2010
1005157-07 B	SB70-1-2	05/21/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/28/2010
1005157-08 B	SS69-0-1	05/21/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/28/2010
1005157-09 B	SB69-2-3	05/21/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/28/2010
1005157-10 B	SB64-1-2	05/21/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/28/2010
1005157-11 B	SB65-1-2	05/21/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/28/2010
1005157-12 B	SS64-0-1	05/21/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/28/2010
1005157-13 B	SS66-0-1	05/21/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/28/2010
1005157-14 B	SS65-0-1	05/21/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/28/2010
1005157-15 B	SS82-0-1	05/21/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/28/2010
1005157-16 B	SS82D-0-1	05/21/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/28/2010
1005157-17 B	SB82-2-3	05/21/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/28/2010
1005157-18 B	SB82D-2-3	05/21/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Water	6/3/2010 4	5/28/2010

Cooler #1 / Soil Shelf	6.04.10 1403	K. Manning	6.04.10 1403
Relinquished By	Date/Time	Received By	Date/Time
K. Manning	6.04.10 1408		6-4-10 1408
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

CompuChem

A Division Of

Liberty Analytical Corp.

7/2/2010

REBEKHA SHAW

CH2M HILL, INC.

5700 CLEVELAND STREET, SUITE 101

VIRGINIA BEACH, VA 23462

Subject:

Report of Data - Project: CTO-094 MCB CAMP LEJEUNE/395307.S. WorkOrder: 1005180

Attn.: REBEKHA SHAW

Enclosed are the results of analytical work performed in accordance with the referenced account number. This report covers sample(s) appearing on the listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097

Sincerely,

Compuchem

a division of Liberty Analytical Corporation

Attachment

TOTAL NUMBER

OF PAGES _____

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

CompuChem, a division of Liberty Analytical

Client: CH2M HILL, INC. **Work:** 1005180

Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM **Sdg:** 1005180

Lab ID	Client ID	Matrix	Date Sampled	Date Received
1005180-01	SS41-0-1	Soil	05/20/2010 15:20	05/21/2010 16:00
1005180-02	SB41-1-2	Soil	05/20/2010 15:25	05/21/2010 16:00
1005180-03	SS35-0-1	Soil	05/20/2010 16:50	05/21/2010 16:00
1005180-04	SB35-2-3	Soil	05/20/2010 17:00	05/21/2010 16:00

39CompuChem, a Division of Liberty Analytical Corporation

I. SAMPLE DATA PACKAGE

SW-846

The sample data package shall include data for all analyses of all samples in one Sample Delivery Group (SDG), including field and analytical samples, reanalyses, blanks, spikes, duplicates, and laboratory control samples. The sample data package consists of the following:

A. Cover Page

B. Sample Data

C. Chain-of-Custody (CoC) Documentation

LAB CODE : LIBRTY

CONTRACT # : SW-846

CASE # : _____

SDG # : 1005180

A. Cover Page -

Inorganic Analyses Data Package

The Cover Page includes laboratory information, the Case and SDG numbers, the client ID numbers in alphanumeric order showing the client ID numbers cross-referenced with Lab ID numbers, comments, and completion of the statement on the use of ICP background and interelement correction for the samples.

On separate pages, the laboratory will include any problems encountered; both technical and administrative, the corrective action taken, and the resolution. This information is included in the Inorganic Case Summary Narrative which follows the Cover Page.

SW846 - METALS

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: 1005180

SOW No.: SW846

EPA Sample No.	Lab Sample ID.
SB35-2-3	1005180-04
SB41-1-2	1005180-02
SS35-0-1	1005180-03
SS41-0-1	1005180-01

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Susan Bass Name: Susan W Bass

Date: 6-14-10 Title: Senior Chemist

CompuChem
a Division of Liberty Analytical Corp.
501 Madison Avenue
Cary, NC 27513

SDG NARRATIVE
SDG # 1005180

The indicated Sample Delivery Group (SDG) consisting of four (4) solid samples was received into the laboratory information management system (LIMS) on May 21, 2010 intact and in good condition with Chain of Custody (COC) Records in order, unless otherwise noted in any attachments or Quality Assurance Notices. The temperature of the samples upon receipt was 0.3 to 1.3°C. Sample ID's reported in this data package are noted by the receiving department on the COC if they differ from those listed by the samplers on the COC.

The samples were prepared and analyzed in accordance with SW846 6010 methodology for the requested metal chromium.

INSTRUMENTAL QUALITY CONTROL:

All calibration verification solutions (ICV & CCV) and blanks (ICB & CCB) associated with this data were confirmed to be within allowable limits.

SAMPLE PREPARATION QUALITY CONTROL:

The sample preparation procedure verification (PBS, LCSS, & LCSSD) was found to be within acceptable ranges and field samples were prepared and analyzed within the specified holding times.

MATRIX RELATED QUALITY CONTROL:

No matrix spikes were requested for this SDG.

A five-fold serial dilution of sample, CCN = 1005180-01 ID SS41-0-1L was performed in accordance with requirements for ICP analysis.

The adjusted sample concentration was inside control limits for the requested analyte.

Control limits for serial dilution are defined as a deviation less than or equal to 10% in the dilution adjusted concentrations from the original values for all analyte concentrations greater than fifty (50) times their respective Instrument Detection Limit (IDL) in the original sample.

The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package. Furthermore, I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice.

Susan W. Bass
Senior Chemist
June 11, 2010

Organic Undecanted Dry Weight Worksheet

0060120

Procedure: 143/190

A. Lake — Employee

2728 — ID No

Date Assigned: 6-1-10

Temp in: 104°C

Date/Time in: 6-1-10 / 1630

Temp out: 107°C

Date/Time out: 6-3-10 / 1055

Lab Number	Client ID	Sample Type	Weight of Container (0.00g)	Weight of Container & Wet Sample (0.00g)	Weight of Container & Dry Sample (0.00g)
1005180-01	SS41-0-1	Sample	1.31	8.61	7.99
1005180-02	SB41-1-2	Sample	1.32	7.43	6.34
1005180-03	SS35-0-1	Sample	1.32	7.81	7.50
1005180-04	SB35-2-3	Sample	1.32	9.85	8.90

Entered into Element by: _____ 6-3-10

Date

DATA REPORTING QUALIFIERS FOR INORGANICS

On Form I, under the column labeled "C" for concentration qualifier and "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each analyte.

The C (concentration) qualifiers used are:

U: This flag indicates the analyte was analyzed for but not detected. This reported value was obtained from a reading that was less than the Instrument Detection Limit (IDL). The IDL will be adjusted to reflect any dilution and, for soils, the percent moisture.

B: This flag indicates the analyte was analyzed for and the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Method Detection Limit (MDL).

The Q qualifiers used are:

E: This flag indicates an estimated value. This flag is used:

1. When the serial dilution (a five fold dilution for CLP and a five fold dilution for SW-846 method 6010B) results are not within 10%. The analyte concentration must be sufficiently high (minimally a factor of 50X above the IDL in the original sample).

N: This flag indicates the sample spike recovery is outside of control limits:

***:** This flag is used for duplicate analysis when the sample and the sample duplicate results are not within control limits.

The extensions: D, S, SD, L. A, added to the end of the client ID represent as follows:

D: matrix duplicate
S: matrix spike
SD: matrix spike duplicate
L: serial dilution
A: post digestion spike

Method Codes:

P: ICP PLASMA
CV: MERCURY COLD VAPOR AA
CA: MIDI-DISTILLATION SPECTROPHOTOMETRIC
MS: MASS SPECTROMETRY
AS: SEMI-AUTOMATED SPECTROPHOTOMETRIC

B. Sample Data

1. Results
2. Quality Control Data
3. Quarterly Verification of Instrument Performance
4. Raw Data
5. Digestion and Distillation Logs

LAB CODE : LIBRTY

CONTRACT # : SW-846

CASE # : _____

SDG # : 1005180

1. Results

Sample results shall be arranged in packets with the Inorganic Analysis Data Sheet (Form I - IN). These sample packets shall be placed in increasing Client Sample ID number order, considering both letters and numbers, and shall include all the samples in the SDG.

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SB35-2-3

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Matrix (soil/water): SOIL Lab Sample ID: 1005180-04

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 88.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	2.0			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB41-1-2

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Matrix (soil/water): SOIL Lab Sample ID: 1005180-02

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 82.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	4.8			P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS35-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Matrix (soil/water): SOIL Lab Sample ID: 1005180-03

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 95.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	2.3			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.: SS41-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Matrix (soil/water): SOIL Lab Sample ID: 1005180-01

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 91.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	2.6			P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: Artifacts:

Comments:

2. Quality Control Data

a. Initial and Continuing Calibration Verification
[Form II (Part 1) - IN]

b. CRDL Standard for AA (if applicable) and ICP
[Form II (Part 2) - IN]

c. Blanks
[Form III - IN]

d. ICP Interference Check Sample
[Form IV - IN]

e. Spike Sample Recovery
[Form V (Part 1) - IN]

f. Post Digest Spike Sample Recovery
[Form V (Part 2) - IN]

g. Duplicates
[Form VI - IN]

h. Laboratory Control Sample
[Form VII - IN]

i. Standard Addition Results (if applicable)
[Form VIII - IN]

j. ICP Serial Dilutions
[Form IX - IN]

k. Preparation Log
[Form XIII - IN]

l. Analysis Run Log
[Form XIV - IN]

SW846 - METALS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Initial Calibration Source: EPA-0307

Continuing Calibration Source: HP0912103/4

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Chromium	490.0	480.03	98	1000.0	933.48	93	935.64	94	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

SW846 - METALS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Initial Calibration Source: EPA-0307

Continuing Calibration Source: HP0912103/4

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Chromium				1000.0	947.78	95	965.25	97	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

SW846 - METALS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Initial Calibration Source: EPA-0307

Continuing Calibration Source: HP0912103/4

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Chromium				1000.0	929.00	93	943.59	94	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

SW846 - METALS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Initial Calibration Source: EPA-0307

Continuing Calibration Source: HP0912103/4

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Chromium				1000.0	951.26	95	926.12	93	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

SW846 - METALS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Initial Calibration Source: EPA-0307

Continuing Calibration Source: HP0912103/4

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Chromium				1000.0	927.97	93	926.17	93	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

SW846 - METALS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Initial Calibration Source: EPA-0307

Continuing Calibration Source: HP0912103/4

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Chromium				1000.0	940.16	94	961.66	96	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

SW846 - METALS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Initial Calibration Source: EPA-0307

Continuing Calibration Source: HP0912103/4

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Chromium				1000.0	968.79	97			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: 1005180

AA CRDL Standard Source: _____

ICP CRDL Standard Source: HP1004012

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Chromium				10.0	8.40	84.0		

Control Limits: no limits have been established by EPA at this time

SW846 - METALS

3

BLANKS

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: 1005180

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Chromium	2.0	B	-0.8	B	-1.3	B	10.0	U	0.220	B	P

SW846 - METALS

3

BLANKS

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Chromium			1.3	B	0.9	B	10.0	U			P

3

BLANKS

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Chromium			-0.9	B	10.0	U	10.0	U			P

SW846 - METALS

3

BLANKS

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Chromium			10.0	U	0.8	B	10.0	U			P

SW846 - METALS

3

BLANKS

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Chromium			10.0	U							P

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

ICP ID Number: P4 ICS Source: EPA-503-203

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Chromium	43	511	40.0	487	95.3			

7

LABORATORY CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: 1005180

Solid LCS Source: ERA-540

Aqueous LCS Source: _____

	Aqueous (ug/L)			Solid (mg/kg)				
Analyte	True	Found	%R	True	Found	C	Limits	%R
Chromium				60.8	54.58		47.7 | 73.8	90

7

LABORATORY CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: 1005180

Solid LCS Source: ERA-540

Aqueous LCS Source: _____

	Aqueous (ug/L)			Solid (mg/kg)				
Analyte	True	Found	%R	True	Found	C	Limits	%R
Chromium				60.8	53.01		47.7 | 73.8	87

9
ICP SERIAL DILUTIONS

SAMPLE NO.

SS41-0-1L

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Chromium	23.79		24.93	B	4.8		P

SW846 - METALS

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PREPARATION LOG

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Method: P

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS	6/4/2010	1.00	100.0
LCSSD	6/4/2010	1.00	100.0
PBS	6/4/2010	1.00	100.0
SB35-2-3	6/4/2010	1.03	100.0
SB41-1-2	6/4/2010	1.00	100.0
SS35-0-1	6/4/2010	1.02	100.0
SS41-0-1	6/4/2010	1.00	100.0

SW846 - METALS

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Instrument ID Number: P4 Method: P

Start Date: 6/10/2010 End Date: 6/10/2010

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	0852									X															
S	1.00	0900									X															
S	1.00	0907																								
S	1.00	0912																								
S	1.00	0919																								
ICV	1.00	0924									X															
ICB	1.00	0931									X															
ZZZZZZ	1.00	0939																								
ICSA	1.00	0946									X															
ICSAB	1.00	0953									X															
CCV	1.00	1000									X															
CCB	1.00	1007									X															
LRS	1.00	1017									X															
CCV	1.00	1025									X															
CCB	1.00	1032									X															
ZZZZZZ	1.00	1039																								
ZZZZZZ	1.00	1046																								
ZZZZZZ	1.00	1053																								
ZZZZZZ	1.00	1100																								
ZZZZZZ	1.00	1107																								
ZZZZZZ	1.00	1115																								
ZZZZZZ	1.00	1122																								
ZZZZZZ	1.00	1129																								
ZZZZZZ	1.00	1136																								
ZZZZZZ	1.00	1143																								
CCV	1.00	1150									X															
CCB	1.00	1157									X															
ZZZZZZ	1.00	1205																								
ZZZZZZ	1.00	1212																								
ZZZZZZ	1.00	1219																								
ZZZZZZ	1.00	1226																								
ZZZZZZ	1.00	1233																								
ZZZZZZ	1.00	1240																								
ZZZZZZ	1.00	1247																								
ZZZZZZ	1.00	1255																								
ZZZZZZ	1.00	1302																								
ZZZZZZ	1.00	1309																								
CCV	1.00	1316									X															

SW846 - METALS

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Instrument ID Number: P4 Method: P

Start Date: 6/10/2010 End Date: 6/10/2010

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCB	1.00	1323									X															
ZZZZZZ	1.00	1330																								
ZZZZZZ	1.00	1337																								
ZZZZZZ	1.00	1345																								
ZZZZZZ	5.00	1352																								
ZZZZZZ	1.00	1359																								
ZZZZZZ	1.00	1406																								
ZZZZZZ	1.00	1413																								
ZZZZZZ	1.00	1420																								
ZZZZZZ	1.00	1427																								
ZZZZZZ	1.00	1435																								
CCV	1.00	1442									X															
CCB	1.00	1449									X															
ZZZZZZ	1.00	1456																								
ZZZZZZ	1.00	1504																								
ZZZZZZ	1.00	1512																								
CCV	1.00	1519									X															
CCB	1.00	1526									X															
ZZZZZZ	1.00	1538																								
ZZZZZZ	1.00	1545																								
ZZZZZZ	5.00	1553																								
ZZZZZZ	1.00	1600																								
ZZZZZZ	1.00	1607																								
CCV	1.00	1614									X															
CCB	1.00	1621									X															
ZZZZZZ	1.00	1628																								
ZZZZZZ	1.00	1635																								
ZZZZZZ	1.00	1643																								
ZZZZZZ	1.00	1650																								
ZZZZZZ	1.00	1657																								
ZZZZZZ	1.00	1704																								
ZZZZZZ	1.00	1713																								
ZZZZZZ	1.00	1720																								
ZZZZZZ	1.00	1727																								
CCV	1.00	1734									X															
CCB	1.00	1741									X															
ZZZZZZ	1.00	1748																								
ZZZZZZ	1.00	1755																								

SW846 - METALS

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Instrument ID Number: P4 Method: P

Start Date: 6/10/2010 End Date: 6/10/2010

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN			
ZZZZZZ	1.00	1803																												
ZZZZZZ	1.00	1810																												
ZZZZZZ	1.00	1817																												
ZZZZZZ	1.00	1824																												
ZZZZZZ	1.00	1836																												
CCV	1.00	1843									X																			
CCB	1.00	1850									X																			
ZZZZZZ	1.00	1857																												
ZZZZZZ	5.00	1904																												
ZZZZZZ	1.00	1911																												
ZZZZZZ	1.00	1919																												
ZZZZZZ	1.00	1926																												
CCV	1.00	1933									X																			
CCB	1.00	1940									X																			
ZZZZZZ	1.00	1947																												
ZZZZZZ	1.00	1954																												
ZZZZZZ	1.00	2001																												
ZZZZZZ	1.00	2009																												
ZZZZZZ	1.00	2016																												
ZZZZZZ	5.00	2023																												
ZZZZZZ	1.00	2030																												
ZZZZZZ	1.00	2037																												
ZZZZZZ	1.00	2044																												
ZZZZZZ	1.00	2051																												
CCV	1.00	2059									X																			
CCB	1.00	2106									X																			
ZZZZZZ	1.00	2113																												
ZZZZZZ	1.00	2120																												
ZZZZZZ	1.00	2127																												
ZZZZZZ	1.00	2134																												
ZZZZZZ	1.00	2141																												
ZZZZZZ	1.00	2149																												
ZZZZZZ	1.00	2156																												
ZZZZZZ	1.00	2203																												
ZZZZZZ	5.00	2210																												
ZZZZZZ	1.00	2217																												
CCV	1.00	2224									X																			
CCB	1.00	2231									X																			

SW846 - METALS

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Instrument ID Number: P4 Method: P

Start Date: 6/10/2010 End Date: 6/10/2010

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	2239																								
ZZZZZZ	1.00	2246																								
PBS	1.00	2253									X															
LCSS	1.00	2300									X															
LCSSD	1.00	2307									X															
SS41-0-1	1.00	2314									X															
SS41-0-1L	5.00	2321									X															
SB41-1-2	1.00	2329									X															
SS35-0-1	1.00	2336									X															
SB35-2-3	1.00	2343									X															
CCV	1.00	2350									X															
CCB	1.00	2357									X															

3. Quarterly Verification of Instrument Performance

a. Instrument Detection Limits (Quarterly)
[Form X - IN]

b. ICP Interelement Correction Factors (Annually)
[Form XI (Part 1) - IN]

c. ICP Interelement Correction Factors (Annually)
[Form XI (Part 2) - IN]

d. ICP Linear Ranges (Quarterly)
[Form XII - IN]

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INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: 1005180

ICP ID Number: P4 Date: 4/15/2010

Flame AA ID Number: _____

Furnace AA ID Number: _____

Analyte	Wave-length (nm)	Back-ground	CRQL ug/L	MDL ug/L	M
Chromium	267.72		10	0.75	P

Comments: _____

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INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

ICP ID Number: P4 Date: 4/15/2010

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRQL mg/Kg	MDL mg/Kg	M
Chromium	267.72		1.00	0.12	P

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

ICP ID Number: P4 Date: 4/15/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Ag
Aluminum	308.21	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.84	0.0000000	0.0000000	0.0000430	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.41	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000560	0.0000000	0.0000840	0.0000000	0.0000000
Calcium	317.93	0.0000000	0.0000000	0.0000000	0.0001550	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000390	0.0000000	0.0000000
Copper	324.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.44	0.0000000	0.0000000	0.0000000	-0.000904	0.0000000
Lead	220.35	0.0001750	0.0000000	0.0001440	0.0000000	0.0000000
Lead	220.35	-0.0001560	0.0000000	0.0000000	0.0000000	-0.0004960
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000270	0.0000000
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.02	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.02	0.0000000	0.0000000	-0.0004680	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.23	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0007960	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	-0.0002910	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

ICP ID Number: P4 Date: 4/15/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for: As	Ba	Be	Cd	Co
Aluminum	308.21	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.84	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.41	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.93	0.0052730	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0003220	0.0000000	0.0000000	-0.000280	0.0000000
Cobalt	228.62	0.0000000	0.0001680	0.0000000	0.0000000	0.0000000
Copper	324.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0703370
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0003730
Lead	220.35	0.0000000	0.0000000	-0.0002140	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.60	0.0005150	0.0000000	0.0000000	0.0000000	-0.0012010
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.02	-0.0003910	0.0000000	-0.0007140	-0.000134	0.0004890
Selenium	196.02	0.0000000	0.0000000	0.0001610	0.0000930	-0.0008840
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.23	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

ICP ID Number: P4 Date: 4/15/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cr	Cu	Mn	Mo	Ni
Aluminum	308.21	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.84	0.0021050	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	-0.0030670	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.41	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0001080	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	-0.0001310	0.0000000	0.0000000
Calcium	317.93	0.0000000	0.0068740	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.44	0.0028440	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0001690	-0.0000920	0.0000000	-0.000603	0.0002400
Lead	220.35	0.0000000	0.0000000	0.0001170	-0.001218	0.0001630
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.02	-0.0002310	-0.0001110	0.0000000	0.0000000	-0.0001570
Selenium	196.02	0.0000000	0.0000000	0.0004510	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.23	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	-0.0007390	0.0000000	0.0000000
Vanadium	292.40	-0.0016760	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	-0.0011640	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

ICP ID Number: P4 Date: 4/15/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for: Pb	Sb	Se	Sn	Tl
Aluminum	308.21	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.84	0.0000000	0.0000000	0.0000000	-0.004391	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.41	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	-0.0000500	-0.0001990	-0.0000650	-0.000243	-0.0000490
Calcium	317.93	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	-0.000264	0.0003640
Lead	220.35	0.0000000	-0.0001490	0.0000000	-0.000187	-0.0011190
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.02	-0.0002150	-0.0005640	0.0000000	-0.000481	-0.0003860
Selenium	196.02	0.0000000	0.0000000	0.0000000	0.0001400	-0.0004280
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.23	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

ICP ID Number: P4 Date: 4/15/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for: V	Zn			
Aluminum	308.21	0.0168710	0.0000000			
Antimony	206.84	-0.0021410	0.0000000			
Arsenic	189.04	0.0000000	0.0000000			
Barium	493.41	0.0000000	0.0000000			
Beryllium	313.04	0.0052620	0.0000000			
Cadmium	226.50	0.0000000	-0.0000580			
Calcium	317.93	0.0000000	0.0000000			
Chromium	267.72	-0.0003410	0.0000000			
Cobalt	228.62	0.0000000	0.0000000			
Copper	324.70	0.0000000	0.0000000			
Iron	271.44	0.0249430	0.0000000			
Lead	220.35	0.0000000	0.0000000			
Lead	220.35	-0.0001610	0.0000000			
Magnesium	279.08	0.0000000	0.0000000			
Manganese	257.61	0.0000000	0.0000000			
Nickel	231.60	0.0000000	0.0000000			
Potassium	766.49	0.0000000	0.0000000			
Selenium	196.02	0.0003030	-0.0001740			
Selenium	196.02	0.0000000	0.0000000			
Silver	328.07	0.0000000	0.0000000			
Sodium	330.23	0.0000000	0.0376950			
Thallium	190.86	-0.0004340	0.0000000			
Vanadium	292.40	0.0000000	0.0000000			
Zinc	206.20	0.0000000	0.0000000			

Comments:

SW846 - METALS

12

ICP LINEAR RANGES (QUARTERLY)

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: 1005180

ICP ID Number: P4 Date: 4/15/2010

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Chromium	15.00	60000.0	P

Comments: _____

4. Raw Data

For each reported value, the laboratory shall include in the data package all raw data used to obtain that value. This applies to all required QA/QC measurements, instrument standardization, as well as all sample analysis results. This does not apply to the Quarterly Verification of Instrument Parameters submitted as a part of each data package.

The order of the raw data in the data package shall be: ICP, Flame AA (if used), Furnace AA (if used), mercury, and cyanide (if a target analyte).

Raw data shall be labeled using EPA sample number convention in order to identify:

- calibration standards, including source and preparation date
- initial and continuing calibration blanks and preparation blanks
- initial and continuing calibration verification standards, interference check samples, ICP serial dilution samples, CRDL standard for ICP and AA (if used), Laboratory Control Sample, and post digestion spike
- diluted and undiluted samples (by client ID number) and all weights, dilutions, and volumes used to obtain the reported values
- duplicates
- spikes
- instrument used, including all data voided or data not used and a brief written explanation
- all information for furnace analysis (if used)
- date and time of each analysis (instrument run logs can be submitted if they contain this information
- integration time for AA analyses (if used)

Daily Instrument Profile

Nebulizer pressure: 32
Peak position: 0.03705 I
Peak intensity: 1023
Vernier position: 4500

Maintenance: None

Printed: 6/11/2010 10:30:01 AM

Method(s) (circle one): ILM04.1 ILM05.4 (6010B) 200.7 Other _____

Operator(s): JCF **Date/Time** 061016/0952 to 061016/2352

↑	Specified element(s) fail(s) high
↓	Specified element(s) fail(s) low
RR	Re-run sample(s) neat
RR #X	Re-run at a #-fold dilution
#X	Sample run at a #-fold dilution (aliquot of sample diluted with acidified water)
L	Matrix = leachate
W	Matrix = water
S	Matrix = solid
B	Matrix = biological tissue

SDG	Matrix	Comments
1005064	W	TAL D1/h
1005078	W	TAL D1/h
1005180	S	CR Complete
1005202	W	Diss Fe
1006047	W	Custom

ICP Run Log (P4)

File Name: P40610

Sample ID	Client ID	Sample Type	DF	Date	Time	SDG	Action Needed
CAL1	S0 BLANK	CALIB STD	1	06/10/10	08:52:51		
CAL2	S RSTD-1	CALIB STD	1	06/10/10	09:00:00		
CAL4	S RSTD-3	CALIB STD	1	06/10/10	09:07:09		
CAL3	S RSTD-2	CALIB STD	1	06/10/10	09:12:45		
CAL5	S RSTD-4	CALIB STD	1	06/10/10	09:19:08		
ICV1	ICV1	ICV	1	06/10/10	09:24:44		
ICB1	ICB	ICB	1	06/10/10	09:31:53		
CRL1	CRI	CRI	1	06/10/10	09:39:01		
IFA1	ICSA	ICS	1	06/10/10	09:46:09		
IFB1	ICSAB	ICS	1	06/10/10	09:53:18		
CCV1	CCV	CCV	1	06/10/10	10:00:27		
CCB1	CCB	CCB	1	06/10/10	10:07:36		
LRS	LRS	LRS	1	06/10/10	10:17:58		
CCV2	CCV	CCV	1	06/10/10	10:25:07		

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Reviewed By: L. Tomasta Date: 6-11-10

ICP Run Log (P4)

File Name: P40610

Sample ID	Client ID	Sample Type	DF	Date	Time	SDG	Action Needed
CCB2	CCB	CCB	1	06/10/10	10:32:17		
1005064-03	SDZ-WN06	SAMPLE	1	06/10/10	10:39:25	1005064	K, Na, Mg ↑ IS Y
1005064-04	EB050410-WN	SAMPLE	1	06/10/10	10:46:33	1005064	
1005064-05	SDZ-WN29	SAMPLE	1	06/10/10	10:53:42	1005064	
1005064-06	SDZ-WN26	SAMPLE	1	06/10/10	11:00:50	1005064	
1005064-07	SDZ-WN27	SAMPLE	1	06/10/10	11:07:58	1005064	
1005064-08	SDZ-WN24	SAMPLE	1	06/10/10	11:15:06	1005064	
1005064-09	SDZ-WN25	SAMPLE	1	06/10/10	11:22:14	1005064	
1005064-11	SDZ-WN28	SAMPLE	1	06/10/10	11:29:22	1005064	
1005064-12	SDZ-WN28D	SAMPLE	1	06/10/10	11:36:31	1005064	
1005064-13	SDZ-WN17	SAMPLE	1	06/10/10	11:43:39	1005064	
CCV3	CCV	CCV	1	06/10/10	11:50:49		
CCB3	CCB	CCB	1	06/10/10	11:57:58		
1005064-14	SDZ-WN03	SAMPLE	1	06/10/10	12:05:07	1005064	K, Na, Mg IS X
1005064-15	SDZ-WN30	SAMPLE	1	06/10/10	12:12:16	1005064	
1005064-16	SDZ-WN02	SAMPLE	1	06/10/10	12:19:24	1005064	
1005064-17	SDZ-WN10	SAMPLE	1	06/10/10	12:26:32	1005064	
1005064-18	SDZ-SW06	SAMPLE	1	06/10/10	12:33:40	1005064	
1005064-19	SDZ-FB-050810	SAMPLE	1	06/10/10	12:40:49	1005064	
1005064-20	SDZ-WN18	SAMPLE	1	06/10/10	12:47:57	1005064	K, Na, Mg ↑ IS Y
0051443-BLK1	PBW	PBW	1	06/10/10	12:55:06	1005078	
0051443-BS1	LCSW	LCS	1	06/10/10	13:02:14	1005078	
1005078-01	SDZ-SW03	SAMPLE	1	06/10/10	13:09:22	1005078	K, Na, Mg ↑ IS X
CCV4	CCV1	CCV	1	06/10/10	13:16:31		
CCB4	CCB1	CCB	1	06/10/10	13:23:40		
0051443-DUP1	SDZ-SW03D	SAMPLE	1	06/10/10	13:30:49	1005078	K, Na, Mg IS X
0051443-MS1	SDZ-SW03S	SAMPLE	1	06/10/10	13:37:57	1005078	
0051443-MSD1	SDZ-SW03SD	SAMPLE	1	06/10/10	13:45:05	1005078	
SRD1	SDZ-SW03L	SAMPLE	1	06/10/10	13:52:14	1005078	
0051443-PS1	SDZ-SW03A	SAMPLE	1	06/10/10	13:59:23	1005078	
1005078-02	SDZ-WN12	SAMPLE	1	06/10/10	14:06:31	1005078	
1005078-03	SDZ-WN15	SAMPLE	1	06/10/10	14:13:40	1005078	

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Reviewed By: D. Fonseca Date: 6-11-10

ICP Run Log (P4)

File Name: P40610

Sample ID	Client ID	Sample Type	DF	Date	Time	SDG	Action Needed
1005078-04	SDZ-WN13	SAMPLE	1	06/10/10	14:20:49	1005078	Na, Mg, K ↑
1005078-05	EB-051010-SD	SAMPLE	1	06/10/10	14:27:58	1005078	
1005078-06	SDZ-FB-051010	SAMPLE	1	06/10/10	14:35:06	1005078	
CCV5	CCV1	CCV	1	06/10/10	14:42:15		
CCB5	CCB1	CCB	1	06/10/10	14:49:24		
1005078-07	SDZ-WN14	SAMPLE	1	06/10/10	14:56:33	1005078	Na, Mg ↑
1005078-08	SDZ-WN11	SAMPLE	1	06/10/10	15:04:18	1005078	1
IBL1	IBL	SAMPLE	1	06/10/10	15:12:11		
CCV6	CCV	CCV	1	06/10/10	15:19:20		
CCB6	CCB	CCB	1	06/10/10	15:26:30		
1005064-10	SDZ-WN25	SAMPLE	15	06/10/10	15:38:47	1005064	
0051435-DUP1	SDZ-WN25D	SAMPLE	15	06/10/10	15:45:55	1005064	
SRD2	SDZ-WN25L	SAMPLE	75	06/10/10	15:53:03	1005064	
1005064-01	SDZ-SW02	SAMPLE	15	06/10/10	16:00:12	1005064	
1005064-02	SDZ-WN07	SAMPLE	15	06/10/10	16:07:20	1005064	
CCV7	CCV	CCV	1	06/10/10	16:14:29		
CCB7	CCB	CCB	1	06/10/10	16:21:38		
1005064-03	SDZ-WN06	SAMPLE	15	06/10/10	16:28:47	1005064	
1005064-05	SDZ-WN29	SAMPLE	15	06/10/10	16:35:55	1005064	
1005064-06	SDZ-WN26	SAMPLE	15	06/10/10	16:43:03	1005064	
1005064-07	SDZ-WN27	SAMPLE	15	06/10/10	16:50:11	1005064	
1005064-08	SDZ-WN24	SAMPLE	15	06/10/10	16:57:19	1005064	
1005064-09	SDZ-WN25	SAMPLE	15	06/10/10	17:04:27	1005064	
1005064-11	SDZ-WN28	SAMPLE	15	06/10/10	17:13:06	1005064	
1005064-12	SDZ-WN28D	SAMPLE	15	06/10/10	17:20:15	1005064	
1005064-13	SDZ-WN17	SAMPLE	15	06/10/10	17:27:23	1005064	
CCV8	CCV	CCV	1	06/10/10	17:34:32		
CCB8	CCB	CCB	1	06/10/10	17:41:42		
1005064-14	SDZ-WN03	SAMPLE	15	06/10/10	17:48:51	1005064	RR
1005064-15	SDZ-WN30	SAMPLE	15	06/10/10	17:55:59	1005064	RR
1005064-17	SDZ-WN10	SAMPLE	15	06/10/10	18:03:08	1005064	RR
1005064-20	SDZ-WN18	SAMPLE	15	06/10/10	18:10:16	1005064	RR

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Reviewed By: L. Fonseca Date: 6-11-10

ICP Run Log (P4)

File Name: P40610

Sample ID	Client ID	Sample Type	DF	Date	Time	SDG	Action Needed
1005078-01	SDZ-SW03	SAMPLE	15	06/10/10	18:17:24	1005078	RL
IBL2	IBL	SAMPLE	1	06/10/10	18:24:32		
IBL3	IBL	SAMPLE	1	06/10/10	18:36:06		
CCV9	CCV1	CCV	1	06/10/10	18:43:14		K ↑
CCB9	CCB1	CCB	1	06/10/10	18:50:28		
0051443-DUP1	SDZ-SW03D	SAMPLE	15	06/10/10	18:57:37	1005078	RR
SRD3	SDZ-SW03L	SAMPLE	75	06/10/10	19:04:45	1005078	
1005078-02	SDZ-WN12	SAMPLE	15	06/10/10	19:11:54	1005078	RR
1005078-03	SDZ-WN15	SAMPLE	15	06/10/10	19:19:02	1005078	RR Na<20
1005078-04	SDZ-WN13	SAMPLE	15	06/10/10	19:26:11	1005078	RR
CCVA	CCV1	CCV	1	06/10/10	19:33:20		
CCBA	CCB1	CCB	1	06/10/10	19:40:28		
1005078-07	SDZ-WN14	SAMPLE	15	06/10/10	19:47:37	1005078	RR
1005078-08	SDZ-WN11	SAMPLE	15	06/10/10	19:54:46	1005078	RR
0060726-BLK1	PBW	PBW	1	06/10/10	20:01:54	1006047	
0060726-BS1	LCSW	LCS	1	06/10/10	20:09:03	1006047	
1006047-01	5-24-10	SAMPLE	1	06/10/10	20:16:11	1006047	
SRD4	5-24-10L	SAMPLE	5	06/10/10	20:23:20	1006047	
1006047-02	5-25-10	SAMPLE	1	06/10/10	20:30:28	1006047	
1006047-03	5-26-10	SAMPLE	1	06/10/10	20:37:37	1006047	
1006047-04	5-28-10	SAMPLE	1	06/10/10	20:44:45	1006047	
1006047-05	5-27-10	SAMPLE	1	06/10/10	20:51:54	1006047	
CCVB	CCV1	CCV	1	06/10/10	20:59:03		
CCBB	CCB1	CCB	1	06/10/10	21:06:12		
1006047-06	6-1-10	SAMPLE	1	06/10/10	21:13:21	1006047	
1006047-07	6-3-10	SAMPLE	1	06/10/10	21:20:30	1006047	
1006047-08	6-4-10	SAMPLE	1	06/10/10	21:27:38	1006047	
1006047-09	6-2-10	SAMPLE	1	06/10/10	21:34:47	1006047	
0060406-BLK1	PBW	PBW	1	06/10/10	21:41:56	1005202	
0060406-BS1	LCSW	LCS	1	06/10/10	21:49:04	1005202	
0060406-BSD1	LCSWD	LCS	1	06/10/10	21:56:13	1005202	
1005202-01	520MW02-10A	SAMPLE	1	06/10/10	22:03:22	1005202	

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Reviewed By: L. Jones Date: 6-11-10

ICP Run Log (P4)

File Name: P40610

Sample ID	Client ID	Sample Type	DF	Date	Time	SDG	Action Needed
SRD5	520MW02-10AL	SAMPLE	5	06/10/10	22:10:30	1005202	
1005202-02	520MW05-10A	SAMPLE	1	06/10/10	22:17:39	1005202	
CCVC	CCV1	CCV	1	06/10/10	22:24:48		
CCBC	CCB1	CCB	1	06/10/10	22:31:57		
1005202-03	520MW08-10A	SAMPLE	1	06/10/10	22:39:06	1005202	
1005202-04	520MW09-10A	SAMPLE	1	06/10/10	22:46:15	1005202	
0060346-BLK1	PBS	PBS	1	06/10/10	22:53:24	1005180	
0060346-BS1	LCSS	LCS	1	06/10/10	23:00:32	1005180	
0060346-BSD1	LCSSD	LCS	1	06/10/10	23:07:41	1005180	
1005180-01	SS41-0-1	SAMPLE	1	06/10/10	23:14:50	1005180	
SRD6	SS41-0-1L	SAMPLE	5	06/10/10	23:21:59	1005180	
1005180-02	SS41-1-2	SAMPLE	1	06/10/10	23:29:08	1005180	
1005180-03	SS35-0-1	SAMPLE	1	06/10/10	23:36:17	1005180	
1005180-04	SS35-2-3	SAMPLE	1	06/10/10	23:43:26	1005180	
CCVD	CCV	CCV	1	06/10/10	23:50:36		
CCBD	CCB	CCB	1	06/10/10	23:57:45		

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Reviewed By: D. Tomasko Date: 6-11-10

Daily Standards/QC Preparation Log for Trace ICP (P3 & P4) 1 of 3 CompuChem a division of Liberty Analytical Corp. Worksheet 1 P(6) 251

STANDARDS and REAGENTS TRACEABILITY

Seq. File Name: P30610, P40610

HNO_3 [Baker Instra-analyzed Trace-Metals grade]
HCl [Baker Instra-analyzed Trace-Metals grade]
SM-770-027 multi-element standard mix (RSTD-1)
SM-770-028 part A multi-element standard mix (RSTD-2A)
SM-770-028 part B multi-element standard mix (RSTD-2B)
SM-770-029 part A multi-element standard mix (RSTD-3A)
SM-770-029 part B multi-element standard mix (RSTD-3B)
SM-770-030 multi-element standard mix (RSTD-4)
SPEX-R multi-element standard mix
ICP-AES-CRQL-R multi-element standard mix
ICV1 multi-element standard mix
ICSA multi-element standard mix
ICSB multi-element standard mix
SM-770-031 multi-element standard mix (PDS-R)
ARSENIC (As) 1,000 PPM single-element standard
Internal Mix
SM-770-040 multi-element CCV mix (Soln A)
SM-770-040 multi-element CCV mix (Soln B)
SM-770-042 (LRS 6010B)

Ref #*	Manufacturer	Lot #	Expiration Date
DE19001	JT Baker	510077	05.15.15
DE200128	Caledon	72420	05.20.15
9G08002	High Purity	0916328	06/15/10
9J22002	High Purity	0928011	10/12/2010
9J22001	High Purity	0928012	10/12/2010
9G08004	High Purity	0805135	04/16/10
9G08005	High Purity	0906204	10/16/10
9G08001	High Purity	0916327	06/15/10
0A04007	High Purity	0916301	06/15/10
9I04002	High Purity	0923808	08/28/10
0B04003	EPA	0307	02/04/11
0B04002	EPA	1206	02/04/11
0B04001	EPA	0203	02/04/11
9I22001	High Purity	0926418	09/17/10
9F17001	High Purity	0911221	12/05/10
0B04004	High Purity	0934101	12/10/10
9F09004	High Purity	0912103	05/01/10
9F09004	High Purity	0912104	05/01/10
0B23007	High Purity	1004021	02/10/11

Multi-Element Stock Standard Concentrations:

Stock Standard	Analyte Concentrations (ug/mL)
RSTD-1 multi-element standard mix	Cd:1,000 Cr:1,000 Cu:1,000 Pb:1,000 Ni:1,000 Se:1,000 Ag:100 Tl:1,000 Zn:1,000
RSTD-2A/2B multi-element standard mix	Part A: As:1,000 Ba:1,000 Be:1,000 Co:1,000 Mn:1,000 Mo:1,000 V:1,000 Part B: Fe:25,000
RSTD-3A/3B multi-element standard mix	Part A: Ca:10,000 Mg:10,000 K:10,000 Na:10,000 Part B: Al:10,000
RSTD-4 multi-element standard mix	Sb:1,000 Bi:1,000 B:1,000 Sn:1,000 Ti:1,000
SPEX-R multi-element standard mix	Mo:1,000 Sn:1,000 Bi:1,000 Ti:1,000 B:1,000
ICP-AES-CRQL-R multi-element standard mix	Ag:10 Be:5 Cd:5 Co:50 Cr:10 Cu:25 Mn:15 Ni:40 Tl:25 V:50 Zn:60 Pb:10 Se:35 As:10 Sb:60
PDS-R multi-element standard mix	Al:400 Ba:400 Ag:20 Be:10 Cd:10 Co:100 Cr:20 Cu:50 Fe:200 Mn:30 Ni:80 Tl:20 V:100 Zn:40 Pb:6 Se:10 As:20 Sb:120
Internal Mix	Li:50,000 Y:250
LRS 6010B multi-element standard mix	Al: 20 Sb:1 As:1 Ba:20 Be:0.5 Bi:2 B:2 Cd:0.5 Ca:500 Cr:1 Co:0.5 Cu:0.5 Fe:10 Pb:0.3 Mg:500 Mn:1 Mo:2 Ni:0.5 K:500 Se:0.5 Ti:0.5 V:2 Zn:2

Entered By: [signature] 06.11.10

Reviewed By: [signature] [signature] 2. Jarrett

Date: 6-11-10

*Ref# = Logbook ID, Page number, and Item number from Materials Receipt Log
**High Purity is abbreviated "HP" on reporting forms

03/25/10: jcf

Daily Standards/QC Preparation Log for Trace ICP (P3 & P4) 2 of 3 CompuChem a division of Liberty Analytical Corp. Worksheet 1 P(6) 252

Standard Lot Number*	LIMS ID Number	Preparation Instructions	Resultant Analyte Conc (µg/L)
S0/ICB/CCB- 06.09.10-SGM	0F09006	Place in a 500 mL volumetric flask: 100 mL deionized water, 20 mL concentrated HNO_3, and 100 mL concentrated HCl. Bring up to volume with deionized water. Transfer to a 2L Teflon bottle and add 1.5L deionized water. Final volume 2 L. Prepare as needed.	N/A
RSTD-1- 06.09.10-JCF	0F09001	In a 200 mL volumetric flask, combine 150 mL deionized water, 2 mL concentrated HNO_3, and 10 mL concentrated HCl. Pipet 0.4 mL RSTD-1 into flask. Bring up to 200 mL volume with deionized water. Prepare as needed.	Cd:2,000 Cr:2,000 Cu:2,000 Pb:2,000 Ni:2,000 Se:2,000 Ag:200 Tl:2,000 Zn:2,000
RSTD-2- 06.09.10-JCF	0F09002	In a 200 mL volumetric flask, combine 150 mL deionized water, 2 mL concentrated HNO_3, and 10 mL concentrated HCl. Pipet 0.4 mL each RSTD-2A and RSTD-2B into flask. Bring up to 200 mL volume with deionized water. Prepare as needed.	As:2,000 Ba:2,000 Be:2,000 Co:2,000 Fe:50,000 Mn:2,000 Mo:2,000 V:2,000
RSTD-3- 06.09.10-JCF	0F09003	In a 200 mL volumetric flask, combine 150 mL deionized water, 2 mL concentrated HNO_3, and 10 mL concentrated HCl. Pipet 2.0 mL each RSTD-3A and RSTD-3B into flask. Bring up to 200 mL volume with deionized water. Prepare as needed.	K:100,000 Na:100,000 Al:100,000 Mg:100,000 Ca:100,000
RSTD-4- 06.09.10-JCF	0F09004	In a 200 mL volumetric flask, combine 150 mL deionized water, 2 mL concentrated HNO_3, and 10 mL concentrated HCl. Pipet 0.4 mL RSTD-4 into flask. Bring up to 200 mL volume with deionized water. Prepare as needed.	Sn:2,000 Bi:2,000 Ti:2,000 Sb:2,000 B:2,000
ICV1- 06.09.10-SGM	0F09010	Place in a 500 mL volumetric flask: 300 mL deionized water, 5 mL concentrated HNO_3, and 25 mL concentrated HCl. Pipet 50.0 mL ICV1 into flask and 0.55 mL Compuchem SPEX-R. Bring up to volume with deionized water. Transfer to a 500mL Teflon bottle. Final volume 500 mL. Prepare as needed.	Al:2,521 Ba:497 K:10,021 Mg:6,074 Na:10,097 Ca:10,026 Ag:501 Be:495 Cd:496 Co:499 Cr:490 Cu:492 Fe:5,082 Mn:499 Ni:503 Tl:1,028 V:501 Zn:1,025 Pb:1002 Se:1,029 As:999 Sb:994 Mo:1,100 Sn:1,100 Bi:1,100 Ti:1,100 B:1,100
CCV/CVS1- 06.03.10-JCF	0F03020	Place in a 500-mL volumetric flask: 300 mL deionized water, 20 mL concentrated HNO_3, and 100 mL concentrated HCl. Add 50 ml of SM-770-40 Soln A and Soln B. Bring up to volume with deionized water. Transfer to a 2000mL Teflon bottle and add 1.5 L of deionized water. Prepare as needed.	Al:50,000 Ba:1,000 K:50,000 Mg:50,000 Na:50,000 Ca:50,000 Ag:100 Be:1,000 Cd:1,000 Co:1,000 Cr:1,000 Cu:1,000 Fe:25,000 Mn:1,000 Ni:1,000 Tl:1,000 V:1,000 Zn:1,100 Pb:1,000 Se:1,000 As:1,000 Mo:1,000 Sn:1,000 Bi:1,000 Ti:1,000 Sb:1,000 B:1,000
LRS- 04.25.10-JCF	0D25008	In a 500 mL volumetric flask, combine 200 mL deionized water, 5 mL concentrated HNO_3 and 25 mL concentrated HCl. Pipet 5.0mL of LRS 6010B. Bring up to volume with deionized water and transfer to a 500mL Teflon bottle. Final volume 500 mL. Prepare as needed.	Al:200 Ba:200 K:5,000 Mg:5,000 Na:5,000 Ca:5,000 Ag:5 Be:5 Cd:5 Co:10 Cr:10 Cu:5 Fe:100 Mn:10 Ni:5 Tl:10 V:20 Zn:20 Pb:3 Se:5 As:10 Mo:20 Sn:20 Bi:20 Ti:20 Sb:10 B:20

Standard Solutions Prepared By: Sherry K. McDonald / Jim Feldhaus

Entered By: Sherry K. McDonald

Reviewed By: R. Jones

Date: 6-11-10

*Standard Lot Number consists of standard ID, date prepared, and initials of preparer.

03/25/10: jcf

Daily Standards/QC Preparation Log for Trace ICP (P3 & P4) 3 of 3 CompuChem a division of Liberty Analytical Corp. Worksheet 1 P(6) 2

Standard Lot Number*	LIMS ID Number	Preparation Instructions	Resultant Analyte Conc. (µg/L)
As- 05.13.10 - JCF	OE13006	In a 100 mL volumetric flask, combine 50 mL deionized water, 1 mL concentrated HNO_3, 5 mL concentrated HCl, and 0.1 mL 1000-ppm As standard. Bring to final 100 mL volume	As:1,000
ICSA- 06.09.10 - SGM	OF09008	In a 500-mL volumetric flask, combine 350 mL deionized water, 5 mL concentrated HNO_3, and 25 mL concentrated HCl. Pipet 50.0 mL ICSA into flask. Bring up to volume with deionized water and transfer to a 500mL Teflon bottle. Final volume 500 mL.	Al:244,100 Ba:2 Ca:234,900 Co:4 Cr:43 Cu:23 Fe:95,600 Mg:247,500 Mn:19 Ni:21 Zn:28 Pb:10
ICSAB- 06.09.10-SGM	OF09009	In a 500-mL volumetric flask, combine 350 mL deionized water, 5 mL concentrated HNO_3, and 25 mL concentrated HCl. Pipet 50.0 mL ICSA and 50.0 mL ICSB into flask. Add 0.5 mL Compuchem SPEX-R. Bring up to volume with deionized water and transfer to a 500mL Teflon bottle. Final volume 500 mL.	Ag:206 Al:241,100 Ba:495 Be:475 Ca:231,100 Cd:940 Co:461 Cr:511 Cu:548 Fe:94,800 Mg:251,100 Mn:502 Ni:984 Tl:103 V:494 Zn:1028 Pb:61 Se:53 Sb:589 As:101 Sn:1,000 Bi:1,000 Mo:1,000 Ti:1,000 B:1,000
EPA-CRI- 06.03.10-JCF	OF03019	In a 500 mL volumetric flask, combine 300 mL deionized water, 5 mL concentrated HNO_3, and 25 mL concentrated HCl. Pipet 0.50 mL ICP-AES-CRQL-R and 25 µL Compuchem SPEX-R into flask. Bring up to volume with deionized water and transfer to a 500mL Teflon bottle. Final volume 500 mL. Prepare as needed.	Ag:10 Be:5 Cd:5 Co:50 Cr:10 Cu:25 Mn:15 Ni:40 Tl:25 V:50 Zn:60 Pb:10 Se:35 As:10 Sb:60 Sn:50 B:50 Mo:50 Bi:50 Ti:50
P3RINSE- 06.09.10 JCF	OF09005	In a 10 L container, combine 8 L deionized water and 400 mL concentrated HNO_3 Fill with deionized water. Final volume 10 L.	N/A
P4RINSE- 06.09.10 JCF	OF09007	In a 10 L container, combine 8 L deionized water and 400 mL concentrated HNO_3 Fill with deionized water. Final volume 10 L.	N/A
P5RINSE- NA	NA	In a 10 L container, combine 8 L deionized water and 400 mL concentrated HNO_3 Fill with deionized water. Final volume 10 L.	N/A
P3INTSTD- 06.10.10-SGM	OF10002	In a 10 L container, combine 8 L deionized water, 400 mL concentrated HNO_3, and 200 mL Internal Mix. Fill with deionized water. Final volume 10 L.	Li:1,000,000 Y:5,000
P4INTSTD- 05.11.10-JCF	OE11004	In a 10 L container, combine 8 L deionized water, 400 mL concentrated HNO_3, and 200 mL Internal Mix. Fill with deionized water. Final volume 10 L.	Li:1,000,000 Y:5,000
P5INTSTD- NA	NA	In a 10 L container, combine 8 L deionized water, 400 mL concentrated HNO_3, and 200 mL Internal Mix. Fill with deionized water. Final volume 10 L.	Li:1,000,000 Y:5,000

Standard Solutions Prepared By: Mary J. McDonnell, Jim Feldhaus

Entered By: Mary J. McDonnell

Reviewed By: L. Forneris Date: 6-11-10

*Standard Lot Number consists of standard ID, date prepared, and initials of preparer.

03/25/10: jcf

METHOD: ALT-P4Q2 STANDARD: S0 BLANK
RUN TIME: 06/10/10 08:52:51

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
AVGE	.00033	.26870	.04312	.09107	.02433	.10662	.07203
SDEV	.00737	.00354	.00040	.00073	.00121	.00140	.00091
%RSD	2211.3	1.3194	.93097	.80100	4.9854	1.3180	1.2626
#1	.00300	.27043	.04275	.09093	.02527	.10628	.07274
#2	-.00800	.27104	.04355	.09185	.02475	.10542	.07234
#3	.00600	.26462	.04308	.09042	.02296	.10817	.07101

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
AVGE	.00213	.60330	-.00142	.02644	.00080	.00110	-.00206
SDEV	.00310	.01704	.00132	.01086	.00125	.00072	.00281
%RSD	145.13	2.8242	92.799	41.083	156.61	65.195	136.42
#1	.00425	.62297	-.00118	.03897	.00021	.00189	.00118
#2	.00357	.59297	-.00024	.01975	.00224	.00095	-.00381
#3	-.00142	.59397	-.00284	.02059	-.00005	.00047	-.00355

ELEM	NI2316	TL1908	V_2924	ZN2062	SB2068	AS1890	22031
AVGE	.00687	-.02249	.00095	-.00039	.00964	-.01770	.01689
SDEV	.00697	.00586	.00047	.00049	.00569	.00204	.03536
%RSD	101.40	26.036	49.856	124.97	58.985	11.511	209.32
#1	.01299	-.02811	.00094	-.00024	.01275	-.01535	.04015
#2	.00833	-.01642	.00048	.00000	.01309	-.01904	-.02380
#3	-.00071	-.02296	.00142	-.00095	.00308	-.01870	.03432

ELEM	22032	19601	19602	SN1899	BI2230	MO2020	TI3349
AVGE	-.00322	-.06550	.06765	-.01118	.00347	-.00024	-.01129
SDEV	.00784	.01056	.01533	.01395	.00095	.00155	.00418
%RSD	243.62	16.122	22.666	124.74	27.372	645.89	36.988
#1	-.00638	-.05503	.08148	-.02504	.00331	.00142	-.00850
#2	.00571	-.07615	.05116	.00286	.00262	-.00167	-.00928
#3	-.00899	-.06533	.07030	-.01136	.00450	-.00047	-.01609

METHOD: ALT-P4Q2 STANDARD: S RSTD-1
RUN TIME: 06/10/10 09:00:00

ELEM	AG3280	CD2265	CR2677	CU3247	NI2316	TL1908	ZN2062
AVGE	5.8180	20.432	4.5020	122.98	7.4684	6.3974	2.0873
SDEV	.0240	.241	.1102	.24	.0997	.0899	.0248
%RSD	.41261	1.1801	2.4481	.19722	1.3348	1.4060	1.1861
#1	5.8057	20.694	4.6288	123.03	7.5751	6.4947	2.1137
#2	5.8027	20.382	4.4284	122.72	7.4525	6.3803	2.0836
#3	5.8457	20.219	4.4490	123.20	7.3776	6.3172	2.0646

ELEM	22031	22032	19601	19602
AVGE	33.519	11.969	8.9084	16.827
SDEV	.392	.069	.2053	.129
%RSD	1.1709	.57757	2.3048	.76504
#1	33.792	11.937	9.1313	16.893
#2	33.697	12.049	8.8668	16.909
#3	33.070	11.922	8.7271	16.678

METHOD: ALT-P4Q2 STANDARD: S RSTD-3
RUN TIME: 06/10/10 09:07:09

ELEM	AL3082	CA3179	K_7664	MG2790	NA3302
AVGE	61.015	76.426	423.77	59.983	3.9644
SDEV	.415	1.047	5.14	.576	.0369
%RSD	.68083	1.3704	1.2123	.95976	.93187
#1	61.286	77.623	421.82	60.559	3.9673
#2	60.537	75.978	419.89	59.408	3.9261
#3	61.222	75.678	429.59	59.983	3.9999

METHOD: ALT-P4Q2 STANDARD: S RSTD-2
RUN TIME: 06/10/10 09:12:45

ELEM	BA4934	BE3130	CO2286	FE2714	MN2576	V_2924	AS1890
AVGE	33.017	15.792	4.1211	5.7679	4.5860	3.4687	14.710
SDEV	.998	.483	.1491	.1773	.1526	.1105	.391
%RSD	3.0218	3.0597	3.6190	3.0744	3.3282	3.1863	2.6600
#1	33.110	15.604	4.0889	5.7127	4.5442	3.4169	14.713
#2	33.964	16.341	4.2837	5.9663	4.7551	3.5956	15.100
#3	31.975	15.431	3.9906	5.6247	4.4585	3.3935	14.318

ELEM	MO2020
AVGE	3.7990
SDEV	.1008
%RSD	2.6535
#1	3.7583
#2	3.9138
#3	3.7250

METHOD: ALT-P4Q2 STANDARD: S RSTD-4
RUN TIME: 06/10/10 09:19:08

ELEM	SB2068	SN1899	BI2230	TI3349
AVGE	5.4432	20.122	4.0641	43.584
SDEV	.0414	.113	.0219	.070
%RSD	.76026	.56160	.53911	.16059
#1	5.4541	20.056	4.0433	43.529
#2	5.4780	20.058	4.0870	43.663
#3	5.3975	20.253	4.0619	43.560

METHOD: ALT-P4Q2 SAMPLE NAME: ICV1 OPERATOR:
RUN TIME: 06/10/10 09:24:44
COMMENT: ICV1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	484.2672	2446.224	488.9789	499.4721	9689.938	487.9412	496.3285
SDEV	5.5093	34.734	3.5839	5.0251	95.458	4.0382	4.2507
%RSD	1.137666	1.419921	.7329429	1.006076	.9851233	.8276069	.8564314
#1	489.9507	2426.999	485.4623	500.0584	9742.167	489.5901	497.1511
#2	483.9005	2425.352	488.8478	494.1797	9579.762	483.3394	491.7267
#3	478.9504	2486.320	492.6266	504.1784	9747.884	490.8941	500.1078
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	501.0000	2521.000	497.0000	495.0000	10026.00	496.0000	499.0000
RANGE	10.40000	10.40000	10.40000	10.40000	10.40000	10.40000	10.40000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	480.0266	497.4765	4868.315	11014.63	6057.731	486.6724	9789.794
SDEV	5.8746	.5477	27.565	179.83	58.714	5.4274	126.343
%RSD	1.223813	.1100862	.5662022	1.632653	.9692457	1.115205	1.290557
#1	481.1971	498.0158	4883.314	10844.03	6061.570	486.6522	9865.447
#2	473.6549	497.4929	4836.503	10997.41	5997.192	481.2552	9643.940
#3	485.2279	496.9209	4885.127	Q11202.45	6114.432	492.1099	9859.994
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	490.0000	492.0000	5082.000	10021.00	6074.000	499.0000	10097.00
RANGE	10.40000	10.40000	10.40000	10.40000	10.40000	10.40000	10.40000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	491.6069	1029.037	499.6100	934.0657	986.2238	1009.414	997.2361
SDEV	4.6445	5.523	6.7911	6.7569	3.7252	8.386	6.8993
%RSD	.9447642	.5367081	1.359278	.7233871	.3777220	.8307562	.6918387
#1	493.2745	1024.246	503.1556	939.9662	983.2436	1005.568	998.0757
#2	486.3589	1027.788	491.7799	926.6946	985.0278	1003.641	989.9554
#3	495.1875	1035.078	503.8943	935.5363	990.4002	1019.033	1003.677
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	503.0000	1028.000	501.0000	1025.000	1002.000	1029.000	994.0000
RANGE	10.40000	10.40000	10.40000	10.40000	10.40000	10.40000	10.40000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	990.3638	978.2853	990.1835	1009.034	1009.602	1176.065	1153.341
SDEV	5.8265	6.5065	4.7237	8.655	8.302	8.309	7.027
%RSD	.5883195	.6650968	.4770498	.8577976	.8222694	.7064756	.6092669
#1	987.8166	970.9224	989.3911	1006.231	1005.235	1178.198	1154.878
#2	986.2446	983.2613	985.9062	1002.128	1004.394	1166.897	1145.673
#3	997.0302	980.6721	995.2533	1018.744	1019.175	1183.099	1159.472
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	999.0000					1100.000	1100.000
RANGE	10.40000					10.40000	10.40000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1131.575	1161.747	4287.911
SDEV	3.009	14.881	60.601
%RSD	.2659399	1.280932	1.413306
#1	1131.602	1154.264	4338.466
#2	1128.552	1152.093	4304.533
#3	1134.570	1178.884	4220.733
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1100.000	1100.000	
RANGE	10.40000	10.40000	

METHOD: ALT-P4Q2 SAMPLE NAME: ICB OPERATOR:
RUN TIME: 06/10/10 09:31:53
COMMENT: ICB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1718804	-5.64954	.1112390	-.119177	373.5896	-.074671	.3060132
SDEV	.1730224	3.08663	.0612102	.041058	1.7185	.264194	.5489766
%RSD	100.6645	54.63508	55.02587	34.45175	.4599860	353.8114	179.3964
#1	-.011459	-6.72682	.0881390	-.151738	373.2377	-.373093	-.313797
#2	.3323021	-2.16864	.0649402	-.073053	372.0743	.1293705	.5008019
#3	.1947977	-8.05316	.1806378	-.132739	375.4568	.0197103	.7310347
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.994813	.6264414	5.955834	-1432.22	3.567807	.7983599	81.37983
SDEV	.371181	.1112375	7.198445	2.92	3.438135	.0922947	17.85606
%RSD	18.60730	17.75705	120.8638	.2039532	96.36551	11.56053	21.94163
#1	1.824582	.7135986	-2.01918	-1431.51	1.758896	.7984520	71.02009
#2	1.739280	.5011529	11.97237	-1435.43	1.411763	.7060192	71.12125
#3	2.420577	.6645728	7.914308	-1429.72	7.532762	.8906084	101.9981
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3.051685	1.375569	.0793741	.6905060	-.094592	.2907459	1.411266
SDEV	.511468	4.579684	.2719047	.3328128	.777331	1.915199	.976225
%RSD	16.76019	332.9302	342.5609	48.19839	821.7707	658.7190	69.17374
#1	2.804409	-2.77958	-.010523	.7637971	.8016958	-1.69087	1.039766
#2	2.710844	.6203784	-.136198	.3271562	-.584503	.4313267	2.518702
#3	3.639801	6.285908	.3848433	.9805648	-.500969	2.131781	.6753286
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.789781	1.621104	-.954041	.7175280	.0749024	.7748987	.3404736
SDEV	1.285609	1.659129	1.378618	6.820151	2.182913	.0698634	.8265474
%RSD	162.7805	102.3456	144.5029	950.5066	2914.342	9.015817	242.7640
#1	-2.14101	1.866102	.2675192	-2.49520	-1.29208	.8354787	1.020382
#2	.4182102	3.144112	-2.44881	-3.90293	2.592414	.6984736	.5805836
#3	-.646542	-.146901	-.680837	8.550709	-1.07563	.7907439	-.579545
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.640616	.1384386	4354.422
SDEV	.779967	.2268534	27.445
%RSD	29.53732	163.8657	.6302717
#1	3.532463	.1040410	4355.333
#2	2.086040	-.069252	4326.533
#3	2.303344	.3805263	4381.400
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: CRI OPERATOR:
RUN TIME: 06/10/10 09:39:01
COMMENT: CRI
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	8.697146	-4.66831	.0156870	4.701091	375.7277	4.836292	48.79215
SDEV	.162455	1.77223	.0758839	.103329	.7785	.253994	.15792
%RSD	1.867913	37.96295	483.7377	2.197969	.2071849	5.251837	.3236653
#1	8.513807	-5.46356	-.056757	4.590126	374.8931	4.595612	48.64626
#2	8.754439	-2.63775	.0945972	4.794545	376.4341	4.811484	48.95984
#3	8.823193	-5.90363	.0092207	4.718603	375.8559	5.101780	48.77034
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	10.00000	.0000000	.0000000	5.000000	.0000000	5.000000	50.00000
RANGE	3.000000	400.0000	400.0000	1.500000	2000.000	1.500000	15.00000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	8.962198	24.67636	-7.62488	-1438.19	1.134133	14.84057	16.13483
SDEV	.351988	.04113	6.52856	7.15	4.473490	.09110	112.1496
%RSD	3.927476	.1666692	85.62182	.4969480	394.4413	.6138620	695.0778
#1	8.791256	24.67091	-15.0683	-1446.40	-3.62013	14.75913	-109.038
#2	9.367012	24.71994	-4.93719	-1434.81	1.762027	14.93895	49.97538
#3	8.728327	24.63823	-2.86919	-1433.36	5.260504	14.82363	107.4673
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	10.00000	25.00000	.0000000	.0000000	.0000000	15.00000	.0000000
RANGE	3.000000	7.500000	200.0000	2000.000	2000.000	4.500000	2000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	37.78260	28.79260	49.83974	57.58289	9.675286	35.21934	64.29360
SDEV	1.52308	3.09791	.24424	1.24355	.615838	.64903	.17429
%RSD	4.031160	10.75940	.4900407	2.159575	6.365062	1.842827	.2710920
#1	36.05824	26.99405	49.59011	56.23033	9.935402	34.51230	64.39574
#2	38.34525	27.01401	49.85091	57.84161	10.11839	35.78805	64.39271
#3	38.94430	32.36974	50.07820	58.67671	8.972070	35.35768	64.09235
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	40.00000	25.00000	50.00000	60.00000	10.00000	35.00000	60.00000
RANGE	12.00000	12.50000	15.00000	18.00000	5.000000	10.50000	30.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	9.556720	11.50519	8.758520	35.05489	35.29861	52.94407	48.98583
SDEV	.472054	.11550	.936381	1.94345	.20075	1.89969	1.80106
%RSD	4.939495	1.003871	10.69108	5.544028	.5687106	3.588113	3.676700
#1	10.09940	11.37389	9.214062	33.13578	35.19670	52.05129	46.97027
#2	9.241117	11.59106	9.379966	37.02180	35.16927	51.65522	49.54980
#3	9.329642	11.55064	7.681531	35.00710	35.52987	55.12569	50.43741
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	NOCHECK
VALUE	10.00000					50.00000	
RANGE	3.000000					15.00000	

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	51.61762	51.74000	4263.600
SDEV	1.45336	.28765	11.905
%RSD	2.815636	.5559519	.2792186
#1	50.05056	51.50816	4277.200
#2	52.92125	51.64995	4255.066
#3	51.88105	52.06191	4258.533
ERRORS	NOCHECK	NOCHECK	NOCHECK
VALUE			
RANGE			

METHOD: ALT-P4Q2 SAMPLE NAME: ICSA OPERATOR:
RUN TIME: 06/10/10 09:46:09
COMMENT: ICSA
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.263550	238421.1	2.485517	.6918256	244816.5	6.775430	-.853479
SDEV	.105021	1632.5	.134400	.0648449	1351.5	.072671	.304272
%RSD	39.84849	.6847139	5.407319	9.373015	.5520275	1.072569	35.65075
#1	-.148963	239190.8	2.639347	.6688159	244880.1	6.827585	-1.07496
#2	-.286467	236546.1	2.390840	.6416233	243434.3	6.692423	-.978942
#3	-.355219	239526.5	2.426364	.7650377	246134.9	6.806282	-.506537
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	244100.0	2.000000	.0000000	234900.0	.0000000	4.000000
RANGE	10.00000	48820.00	400.0000	10.00000	46980.00	10.00000	10.00000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	39.96600	22.71532	91190.62	-1420.76	253133.1	17.69556	983.4162
SDEV	.17293	.16040	538.94	13.10	989.0	.18621	132.4213
%RSD	.4326934	.7061110	.5910084	.9221474	.3907127	1.052326	13.46543
#1	39.93660	22.80793	90819.35	-1405.63	252019.8	17.65926	1135.674
#2	39.80966	22.53011	90943.74	-1428.30	253469.2	17.53017	895.0948
#3	40.15175	22.80793	91808.79	-1428.35	253910.2	17.89725	919.4803
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	43.00000	23.00000	95600.00	.0000000	247500.0	19.00000	.0000000
RANGE	20.00000	10.00000	19120.00	2000.000	49500.00	20.00000	2000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	18.16321	14.13268	-3.82654	30.54582	5.833107	-3.77926	1.896806
SDEV	.76636	6.60370	.67483	.37986	2.510108	4.08480	3.106886
%RSD	4.219322	46.72646	17.63557	1.243588	43.03209	108.0847	163.7957
#1	19.01805	19.20628	-3.05168	30.54866	7.374037	-8.13905	4.353789
#2	17.93390	6.666092	-4.28534	30.92425	7.188623	-3.15813	2.932196
#3	17.53767	16.52567	-4.14260	30.16454	Q2.936662	-.040595	-1.59557
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	21.00000	.0000000	1.000000	28.00000	10.00000	.0000000	.0000000
RANGE	10.00000	20.00000	40.00000	40.00000	6.000000	10.00000	20.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.684813	-11.5911	14.52850	7.866880	-9.59653	4.442646	5.840400
SDEV	.648860	2.1721	4.45345	4.671278	3.96040	4.991959	2.274047
%RSD	94.75000	18.73915	30.65322	59.37905	41.26908	112.3645	38.93649
#1	-1.16337	-14.0986	18.09059	3.724134	-14.0647	9.973490	8.414325
#2	.0537223	-10.3868	15.95945	6.946752	-8.20594	3.083276	4.103470
#3	-.944792	-10.2881	9.535467	12.92976	-6.51897	.2711730	5.003404
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	20.00000					100.0000	100.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.400332	-4.41918	4119.755
SDEV	1.620056	.12854	21.097
%RSD	67.49300	2.908790	.5120869
#1	4.120448	-4.34895	4117.866
#2	.9034984	-4.34106	4099.667
#3	2.177050	-4.56754	4141.733
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	100.0000	100.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: ICSAB OPERATOR:
RUN TIME: 06/10/10 09:53:18
COMMENT: ICSAB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	190.8789	236382.6	474.1235	467.1164	239255.9	902.0159	455.5609
SDEV	1.9425	2737.9	5.3452	4.5733	2706.3	6.5490	3.0973
%RSD	1.017648	1.158248	1.127383	.9790534	1.131146	.7260460	.6798902
#1	188.6788	234996.3	467.9703	463.1886	236955.9	894.4898	453.3673
#2	191.6008	234615.2	476.7825	466.0235	238573.8	906.4185	454.2113
#3	192.3571	239536.4	477.6177	472.1372	242238.0	905.1393	459.1040
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	206.0000	241100.0	495.0000	475.0000	231100.0	940.0000	461.0000
RANGE	41.20000	48220.00	400.0000	95.00000	46220.00	188.0000	92.20000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	486.5785	512.9360	89805.12	-1435.72	249793.4	478.1896	756.9478
SDEV	6.0492	1.4229	559.85	8.47	1865.5	3.9088	67.7286
%RSD	1.243215	.2773975	.6234017	.5900029	.7468159	.8174208	8.947591
#1	486.1667	511.6940	89455.59	-1445.36	248995.1	475.0435	678.9647
#2	480.7456	512.6255	89508.92	-1429.48	248459.9	476.9600	790.8268
#3	492.8230	514.4885	90450.84	-1432.32	251925.2	482.5654	801.0518
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	511.0000	548.0000	94800.00	.0000000	251100.0	502.0000	.0000000
RANGE	102.2000	109.6000	18960.00	2000.000	50220.00	100.4000	2000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	932.8074	112.8021	465.6279	868.9694	53.26362	44.31515	593.0068
SDEV	6.5895	1.9200	6.7480	5.9079	.67206	5.19341	.8871
%RSD	.7064179	1.702075	1.449216	.6798695	1.261760	11.71926	.1495888
#1	925.3005	114.1410	466.0394	864.7770	53.85841	Q38.52182	591.9846
#2	935.4854	113.6630	458.6836	866.4051	53.39788	45.87039	593.5742
#3	937.6363	110.6024	472.1607	875.7261	52.53457	48.55326	593.4616
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	984.0000	103.0000	494.0000	1028.000	61.00000	53.00000	589.0000
RANGE	196.8000	20.60000	98.80000	205.6000	12.20000	10.60000	117.8000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	96.98152	30.79476	64.47755	53.75617	39.59879	981.1473	991.5105
SDEV	.75872	4.35741	1.43850	5.95877	5.00723	3.8386	8.7761
%RSD	.7823370	14.14985	2.231009	11.08480	12.64490	.3912353	.8851237
#1	96.32729	35.78868	62.87608	46.87826	34.34694	977.0474	983.4152
#2	97.81326	28.82938	65.66006	57.36157	40.13049	984.6560	990.2791
#3	96.80401	27.76621	64.89650	57.02867	44.31896	981.7386	1000.837
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	101.0000					1000.000	1000.000
RANGE	20.20000					200.0000	200.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	923.4731	958.7052	4127.178
SDEV	15.1572	12.7484	11.932
%RSD	1.641328	1.329752	.2891034
#1	906.0891	944.7410	4134.066
#2	930.4078	961.6534	4134.066
#3	933.9224	969.7212	4113.400
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	200.0000	200.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV OPERATOR:
RUN TIME: 06/10/10 10:00:27
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	96.87177	47477.06	936.9677	978.6832	47372.85	939.3121	954.4343
SDEV	.86443	540.85	3.0232	15.2649	860.35	11.1165	7.2866
%RSD	.8923442	1.139180	.3226564	1.559743	1.816127	1.183475	.7634433
#1	96.24155	46917.04	936.6455	961.0753	46381.40	927.5251	946.0721
#2	97.85722	47517.69	934.1185	986.7874	47923.17	949.6075	957.8088
#3	96.51656	47996.45	940.1390	988.1868	47813.97	940.8039	959.4218
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	933.4813	968.7623	23367.51	51909.12	49428.54	952.8052	50082.26
SDEV	6.8173	11.3164	254.96	664.86	425.75	5.4644	497.64
%RSD	.7303100	1.168130	1.091085	1.280815	.8613455	.5735081	.9936427
#1	927.9290	955.8522	23078.23	51569.33	48942.21	946.6600	49613.58
#2	941.0901	976.9659	23559.50	51482.82	49609.46	954.6380	50028.68
#3	931.4248	973.4688	23464.79	52675.21	49733.95	957.1177	50604.52
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	947.4547	975.5458	967.1525	993.5054	961.7415	997.8881	1005.837
SDEV	10.1903	14.9853	8.6764	20.4138	11.3248	9.4519	11.165
%RSD	1.075541	1.536089	.8971083	2.054728	1.177527	.9471953	1.110051
#1	935.9464	958.2952	957.1640	Q970.4904	949.5657	990.8290	992.9928
#2	955.3328	985.3414	972.8197	1009.424	963.6987	994.2089	1013.226
#3	951.0849	983.0009	971.4737	1000.602	971.9601	1008.626	1011.292
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	977.6425	953.1313	966.0358	997.1939	998.2320	1009.519	984.2869
SDEV	11.4233	7.2416	14.4948	8.9104	12.2225	15.005	9.1510
%RSD	1.168452	.7597649	1.500436	.8935480	1.224419	1.486376	.9297074
#1	964.8148	945.3041	951.6890	999.9108	986.2922	992.2070	973.7949
#2	981.3961	959.5927	965.7443	987.2413	997.6848	1017.558	988.4466
#3	986.7168	954.4973	980.6741	1004.430	1010.719	1018.792	990.6191
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	971.5284	985.9359	4248.155
SDEV	5.4791	12.3671	40.251
%RSD	.5639620	1.254354	.9474823
#1	965.2030	971.7151	4246.800
#2	974.5825	991.9177	4289.066
#3	974.7998	994.1749	4208.600
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB OPERATOR:
RUN TIME: 06/10/10 10:07:36
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0114587	21.98345	.1954504	-.186779	408.0681	-.169138	-.410383
SDEV	.1730224	43.84053	.2214193	.341319	45.8193	.431633	.375119
%RSD	1509.967	199.4252	113.2867	182.7397	11.22834	255.1956	91.40695
#1	-.148963	-2.17135	.0401134	-.210773	372.2116	-.325183	-.112504
#2	-.011459	72.58878	.4489862	.1659044	459.6881	.3188164	-.286990
#3	.1947977	-4.46708	.0972516	-.515468	392.3044	-.501047	-.831655
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.848920	.1416301	2.089088	-1423.73	42.40212	.0894967	17.15624
SDEV	.203816	.4026231	14.35764	13.63	49.94665	.2586674	30.80864
%RSD	24.00885	284.2779	687.2686	.9576312	117.7928	289.0246	179.5769
#1	-1.05199	-.283261	-10.0678	-1433.82	3.263294	-.099866	-4.11301
#2	-.644364	.5174955	17.92968	-1408.22	98.65643	.3842159	3.094979
#3	-.850408	.1906559	-1.59462	-1429.15	25.28662	-.015860	52.48676
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.22790	1.547841	.1904844	1.257710	-.497794	1.186544	.1604940
SDEV	.49823	2.459822	.5901735	.537864	.510672	.697599	.5926679
%RSD	40.57573	158.9195	309.8278	42.76529	102.5871	58.79248	369.2773
#1	-.663248	-1.06512	-.414248	.7599273	-1.02778	1.325521	-.461448
#2	-1.41480	1.889927	.7649332	1.828248	-.456686	1.804193	.7187434
#3	-1.60566	3.818715	.2207677	1.184956	-.008918	.4299181	.2241863
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.256370	2.662992	-2.07854	1.829957	.8625941	.8334486	.2067103
SDEV	1.894027	.519608	.68099	3.193360	.8663844	2.083729	1.771511
%RSD	83.94129	19.51220	32.76271	174.5046	100.4394	250.0128	857.0019
#1	2.619937	2.636400	-2.85990	.5584039	1.705727	3.127714	-1.02648
#2	.2069147	2.157190	-1.76439	5.463218	-.025306	-.941525	-.590085
#3	3.942260	3.195385	-1.61134	-.531751	.9073613	.3141561	2.236699
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.973931	.1780801	4429.000
SDEV	1.254889	.3302972	87.280
%RSD	42.19632	185.4768	1.970641
#1	4.272233	-.182999	4345.133
#2	2.882058	.4649809	4422.533
#3	1.767503	.2522582	4519.333
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

AUTOSAMPLER REPORT TABLE: P40608 06/10/10 10:17:01 AM PAGE 1

TABLE NAME: P40608 AUTOSAMPLER TYPE: TYPE TJA

METHOD: ALT-P4Q2 SAMPLE NAME: LRS OPERATOR:
RUN TIME: 06/10/10 10:17:58
COMMENT: SDG:LRS CLIENTID:LRS 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	4.400137	190.2359	180.5098	4.779171	4739.741	4.333143	4.504796
SDEV	.207209	29.2812	3.3463	.516642	117.938	.433216	.948883
%RSD	4.709151	15.39203	1.853805	10.81029	2.488271	9.997736	21.06383
#1	4.182422	184.3035	181.3371	4.909472	4852.647	4.505497	5.371000
#2	4.594935	164.3751	176.8275	4.209852	4617.345	3.840276	3.490621
#3	4.423055	222.0290	183.3649	5.218187	4749.232	4.653656	4.652767
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	7.500000	300.0000	300.0000	7.500000	7500.000	7.500000	7.500000
LOW	2.500000	100.0000	100.0000	2.500000	2500.000	2.500000	2.500000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	8.399237	4.379645	59.87017	4559.400	4761.236	9.038632	4569.812
SDEV	.860507	.154458	7.33464	123.171	135.463	.276385	65.420
%RSD	10.24506	3.526725	12.25091	2.701463	2.845118	3.057824	1.431565
#1	9.282414	4.553959	61.36680	4552.169	4856.279	9.314156	4613.047
#2	7.563349	4.325172	51.90265	4440.004	4606.127	8.761393	4494.549
#3	8.351948	4.259804	66.34107	4686.026	4821.304	9.040349	4601.840
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	15.00000	7.500000	150.0000	7500.000	7500.000	15.00000	7500.000
LOW	5.000000	2.500000	50.00000	2500.000	2500.000	5.000000	2500.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.858566	12.64733	18.22348	18.33192	2.418554	4.510372	11.17320
SDEV	.501682	3.82152	.48867	.71718	.453549	1.122807	.63448
%RSD	17.55014	30.21603	2.681539	3.912187	18.75291	24.89389	5.678617
#1	3.237220	8.616203	18.43195	19.14718	2.868517	5.416365	11.51623
#2	L2.289567	H16.21741	17.66515	17.79836	1.961502	3.254208	10.44104
#3	3.048912	13.10838	18.57334	18.05023	2.425644	4.860542	11.56231
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	7.500000	15.00000	30.00000	30.00000	4.500000	7.500000	15.00000
LOW	2.500000	5.000000	10.00000	10.00000	1.500000	2.500000	5.000000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	8.737886	3.457425	1.897033	5.409341	4.058696	21.93108	18.59391
SDEV	2.476953	2.613298	1.723245	2.652041	.359422	.56418	1.55633
%RSD	28.34728	75.58508	90.83893	49.02705	8.855595	2.572526	8.370105
#1	7.802632	.9052321	3.845814	7.563645	4.341460	22.14288	20.36838
#2	6.864727	3.339228	1.270871	2.447368	3.654222	21.29165	17.95284
#3	11.54630	6.127816	.5744147	6.217011	4.180407	22.35872	17.46050
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	15.00000					30.00000	30.00000
LOW	5.000000					10.00000	10.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	19.83206	18.74435	4215.622
SDEV	1.21782	.53460	87.672
%RSD	6.140668	2.852033	2.079688
#1	20.69616	19.25215	4198.667
#2	18.43923	18.18649	4310.533
#3	20.36077	18.79442	4137.667
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	30.00000	30.00000	
LOW	10.00000	10.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV OPERATOR:
RUN TIME: 06/10/10 10:25:07
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	99.03747	46624.09	932.1016	972.4294	47509.69	942.3362	949.9210
SDEV	2.77241	1253.69	6.3473	20.3790	1235.87	12.9177	18.2337
%RSD	2.799357	2.688938	.6809630	2.095675	2.601295	1.370821	1.919496
#1	99.57603	45176.51	929.9490	957.4596	46706.42	939.8098	935.0262
#2	96.03529	47336.81	939.2452	964.1907	46889.83	930.8683	944.4813
#3	101.5011	47358.96	927.1105	995.6379	48932.81	956.3305	970.2554
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	935.6385	974.8034	23385.54	50747.73	49009.59	947.5074	49472.66
SDEV	37.6282	10.0749	505.61	1405.97	1017.60	25.5746	1165.65
%RSD	4.021658	1.033530	2.162074	2.770502	2.076326	2.699150	2.356157
#1	900.5682	974.7762	22988.65	49458.81	47866.72	921.2807	48188.51
#2	930.9602	964.7421	23213.16	52247.04	49344.60	948.8658	50463.98
#3	975.3871	984.8918	23954.80	50537.34	49817.44	972.3759	49765.49
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	948.0432	975.6526	959.8848	1013.925	942.8464	977.2775	1004.705
SDEV	11.0835	16.1475	40.9417	26.040	13.2062	16.9610	3.918
%RSD	1.169088	1.655049	4.265275	2.568286	1.400672	1.735535	.3899223
#1	944.9236	959.6867	915.4695	1011.293	943.1231	965.9592	1000.760
#2	938.8539	975.2954	968.0680	989.2997	955.9121	996.7786	1004.761
#3	960.3522	991.9758	996.1169	1041.181	929.5040	969.0948	1008.594
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	970.9092	952.8425	937.8521	989.1081	971.3685	1008.024	976.9080
SDEV	6.3983	17.9991	26.4816	21.6098	24.1898	12.424	12.4869
%RSD	.6589974	1.888994	2.823639	2.184776	2.490282	1.232504	1.278207
#1	970.0738	936.6732	946.3391	965.1691	966.3511	997.5262	962.7303
#2	964.9696	949.6187	959.0497	994.9804	997.6736	1004.804	981.7234
#3	977.6841	972.2358	908.1675	1007.175	950.0809	1021.740	986.2701
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	970.3978	980.3749	4350.644
SDEV	11.0108	26.5358	111.037
%RSD	1.134668	2.706694	2.552204
#1	965.6567	951.3917	4443.866
#2	962.5517	986.2568	4227.800
#3	982.9849	1003.476	4380.267
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB OPERATOR:
RUN TIME: 06/10/10 10:32:17
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.091670	1.788860	.0653987	-.075940	379.2980	-.166448	-.676416
SDEV	.138929	3.885836	.0710055	.050664	1.9794	.127672	.236269
%RSD	151.5544	217.2242	108.5733	66.71537	.5218581	76.70348	34.92960
#1	-.011459	4.553228	.1234172	-.026757	379.8156	-.090044	-.815577
#2	-.011459	-2.65411	-.013782	-.073099	377.1112	-.313837	-.810058
#3	-.252091	3.467464	.0865609	-.127964	380.9671	-.095463	-.403614
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.30587	-.392207	-14.6118	-1436.33	5.934119	-.162641	15.53281
SDEV	1.20515	.281790	9.2023	4.52	7.673529	.211918	49.47660
%RSD	92.28764	71.84731	62.97846	.3148003	129.3120	130.2985	318.5296
#1	-.320182	-.446681	-8.28254	-1432.11	9.972292	-.095144	58.52354
#2	-2.64942	-.642784	-25.1681	-1441.10	-2.91526	-.400086	-38.5475
#3	-.947995	-.087157	-10.3847	-1435.79	10.74533	.0073084	26.62243
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.28913	1.667970	.1745110	.4539386	-.670343	-1.71484	-.022832
SDEV	.51012	3.414543	.0768989	.9326255	.821440	2.28326	3.470999
%RSD	22.28440	204.7125	44.06538	205.4519	122.5403	133.1473	15202.61
#1	-2.09432	5.548486	.1287688	.7572436	.2395969	.7042615	2.509366
#2	-2.86795	-.876693	.1314717	-.592585	-1.35720	-2.01651	-3.97944
#3	-1.90513	.3321168	.2632926	1.197158	-.893428	-3.83227	1.401575
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.931442	5.287135	-3.64746	.5026130	-2.82474	-.566013	-.356701
SDEV	1.234792	2.320095	2.22010	5.102953	2.46278	2.512603	1.125346
%RSD	132.5678	43.88189	60.86718	1015.285	87.18587	443.9126	315.4873
#1	-.730605	3.942434	-1.61187	2.584899	-.237471	.4836409	.6078798
#2	-2.25434	7.966144	-6.01475	4.235169	-5.14053	-3.43324	-1.59304
#3	.1906206	3.952829	-3.31575	-5.31223	-3.09623	1.251561	-.084941
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.286766	-.154191	4249.022
SDEV	.752538	.368605	39.544
%RSD	32.90841	239.0584	.9306556
#1	3.100719	.0642599	4275.200
#2	2.143274	-.579769	4203.533
#3	1.616304	.0529377	4268.333
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-03 OPERATOR:
RUN TIME: 06/10/10 10:39:25
COMMENT: SDG:1005064 CLIENTID:SDZ-WN06 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0687521	72.90373	11.67964	1.681163	387981.4	8.185641	29.95418
SDEV	.2236647	10.81953	.17762	.464988	3424.6	.324295	.30134
%RSD	325.3204	14.84084	1.520808	27.65872	.8826668	3.961753	1.006011
#1	.2979259	84.94112	11.75345	2.183653	384418.4	7.858766	30.14720
#2	.0572935	69.78126	11.80846	1.593753	391248.3	8.507293	30.10840
#3	-.148963	63.98881	11.47701	1.266083	388277.5	8.190865	29.60694
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6349123	-1.68322	423.4881	C.0000000	H1088588.	-9.47275	H3954892.
SDEV	.3121600	.04113	21.2383	.0000000	6795.	.07965	23232.
%RSD	49.16584	2.443315	5.015087	.0000000	.6241688	.8408383	.5874143
#1	.5607161	-1.72135	403.0759	C.0000000	H1083342.	-9.56215	H3980108.
#2	.9774855	-1.63964	445.4658	C.0000000	H1096263.	-9.40934	H3950212.
#3	.3665353	-1.68867	421.9226	C.0000000	H1086158.	-9.44677	H3934357.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC PASS	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.033286	-.206038	2.062895	4.612807	-2.97466	1.704471	5.260303
SDEV	1.465151	1.947543	.169807	.307575	1.36274	2.179664	1.032565
%RSD	4401.639	945.2333	8.231497	6.667850	45.81175	127.8792	19.62938
#1	-1.71593	-1.48512	2.100586	4.467357	-1.87796	3.943481	5.161040
#2	.9603881	-1.16833	1.877409	4.404934	-2.54577	-.410554	6.338915
#3	.6556781	2.035341	2.210690	4.966131	L-4.50025	1.580487	4.280954
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.901886	4.847882	-6.88407	-9.13383	7.111496	1.751814	-.940330
SDEV	1.638389	2.282146	1.22498	4.39073	1.374877	1.310358	1.014047
%RSD	56.45945	47.07511	17.79447	48.07113	19.33316	74.80005	107.8395
#1	3.648276	7.400677	-6.51438	-5.58561	8.696814	1.591744	-.040404
#2	4.034178	4.137719	-5.88650	-14.0442	6.392053	.5288443	-2.03905
#3	1.023203	3.005251	-8.25131	-7.77167	6.245620	3.134853	-.741533
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	10.12493	-19.8795	3032.444
SDEV	.97914	.2883	51.020
%RSD	9.670548	1.450113	1.682466
#1	9.232613	-20.2030	2980.133
#2	11.17236	-19.6497	3035.133
#3	9.969805	-19.7860	3082.066
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-04 OPERATOR:
RUN TIME: 06/10/10 10:46:33
COMMENT: SDG:1005064 CLIENTID:EB050410-WN 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1260456	-7.35191	.1600375	-.474200	395.4467	-.030772	-.748394
SDEV	.2937093	4.05512	.0162807	.129595	1.7214	.408419	.333851
%RSD	233.0183	55.15729	10.17305	27.32918	.4353011	1327.224	44.60899
#1	.0916695	-9.84684	.1787700	-.612707	397.0454	.4058817	-.371128
#2	-.148963	-9.53599	.1520432	-.454005	393.6245	-.403391	-1.00565
#3	.4354303	-2.67291	.1492994	-.355888	395.6700	-.094808	-.868402
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1344891	-.234235	8.728459	L-1420.76	16.88151	-.005105	336.7217
SDEV	.4067164	.240732	4.980400	.38	2.12873	.003003	5.9830
%RSD	302.4159	102.7738	57.05932	.0267247	12.60986	58.83125	1.776832
#1	-.230960	-.087157	14.01840	L-1420.37	19.17692	-.001750	339.1279
#2	.0617655	-.512048	4.129839	L-1421.12	14.97234	-.007542	341.1269
#3	.5726613	-.103500	8.037134	L-1420.79	16.49526	-.006023	329.9102
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.00653	-.132984	.0284906	3.402627	.8549524	1.117417	6.796277
SDEV	.07240	2.809934	.4597447	.141881	1.070156	1.214093	1.103738
%RSD	3.608307	2112.988	1613.672	4.169743	125.1714	108.6517	16.24034
#1	-2.09013	-1.12605	-.010123	3.566357	-.296358	.9049400	5.521994
#2	-1.96419	3.038637	-.410729	3.315823	1.819319	.0235885	7.453165
#3	-1.96526	-2.31154	.5063243	3.325700	1.041897	2.423723	7.413671
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.8767084	5.186699	-1.31042	-6.77723	5.056081	-.529545	-.620960
SDEV	1.165849	1.592965	.90623	2.72924	1.975423	2.141479	.945007
%RSD	132.9803	30.71250	69.15578	40.27064	39.07024	404.3996	152.1849
#1	1.932372	3.347368	-2.11826	-9.91092	6.301993	1.943007	-.120155
#2	-.374577	6.119909	-.330479	-5.49979	2.778413	-1.73755	-.031759
#3	1.072331	6.092820	-1.48252	-4.92099	6.087838	-1.79409	-1.71097
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.9313833	-.052407	4400.644
SDEV	.8231939	.110261	33.828
%RSD	88.38400	210.3936	.7687048
#1	1.584045	-.074854	4362.866
#2	1.203527	-.149718	4428.133
#3	.0065773	.0673503	4410.933
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-05 OPERATOR:
RUN TIME: 06/10/10 10:53:42
COMMENT: SDG:1005064 CLIENTID:SDZ-WN29 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1031282	69.63313	12.25390	1.417658	483791.5	7.073323	26.41165
SDEV	.1695731	11.42124	.15116	.334010	21361.3	.417580	1.21281
%RSD	164.4294	16.40202	1.233556	23.56070	4.415394	5.903592	4.591970
#1	-.011459	70.29184	12.07949	1.546915	459160.5	6.811268	25.05059
#2	.0229174	80.71075	12.33526	1.667724	497242.9	7.554877	27.37775
#3	.2979259	57.89678	12.34695	1.038336	494971.2	6.853825	26.80661
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.980705	-1.55249	357.5999	C.0000000	H901696.9	22.11784	H3541614.
SDEV	.255766	.10633	22.2095	.0000000	28086.0	.93411	28178.
%RSD	12.91287	6.848847	6.210719	.0000000	3.114792	4.223317	.7956298
#1	2.270393	-1.55793	331.9863	C.0000000	H870179.9	21.24611	H3521846.
#2	1.885631	-1.65599	369.3034	C.0000000	H924076.0	23.10382	H3573880.
#3	1.786092	-1.44354	371.5102	C.0000000	H910834.8	22.00360	H3529117.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC PASS	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.489860	2.395952	7.580161	6.933660	-.209258	1.000167	5.539569
SDEV	.473383	2.239750	.335794	.364520	1.483606	1.813386	.852057
%RSD	96.63650	93.48058	4.429902	5.257254	708.9830	181.3082	15.38129
#1	-.041099	1.153188	7.481260	6.568453	1.461524	-.281918	5.239288
#2	-.443958	1.053120	7.954298	6.935039	-.716854	.2074880	4.878307
#3	-.984521	4.981546	7.304925	7.297489	-1.37245	3.074932	6.501113
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.142623	4.885635	-2.75664	-6.73130	4.856348	3.829798	1.202480
SDEV	2.355511	1.980849	2.41437	1.40318	2.401455	1.137722	2.853406
%RSD	1651.565	40.54435	87.58373	20.84556	49.44981	29.70711	237.2934
#1	.2745811	4.429228	-.023875	-6.21695	2.677375	3.552612	.7675132
#2	1.976411	7.054851	-4.60070	-8.31907	4.460559	2.856282	4.248395
#3	-2.67886	3.172825	-3.64536	-5.65788	7.431110	5.080501	-1.40847
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	4.354654	-17.4093	3226.933
SDEV	.468907	.4036	59.400
%RSD	10.76794	2.318490	1.840749
#1	4.596826	-17.0794	3213.600
#2	3.814179	-17.8594	3175.333
#3	4.652959	-17.2892	3291.867
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-06 OPERATOR:
RUN TIME: 06/10/10 11:00:50
COMMENT: SDG:1005064 CLIENTID:SDZ-WN26 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.000000	49.62363	15.13663	.9575807	390749.2	8.206894	30.09061
SDEV	.169573	5.82678	.27630	.1367536	10003.7	.328361	.93584
%RSD	6828E6	11.74195	1.825341	14.28116	2.560132	4.001038	3.110073
#1	-.114587	43.09988	14.81974	.8056785	379198.2	7.832437	29.01017
#2	-.080211	54.31094	15.26311	1.070893	396590.9	8.342575	30.64743
#3	.1947977	51.46008	15.32705	.9961707	396458.6	8.445671	30.61424
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.29276	-1.90656	383.7219	C.0000000	H1089249.	-6.20084	H3929846.
SDEV	.92577	.20433	15.3933	.0000000	28101.	.30115	45162.
%RSD	71.61204	10.71715	4.011575	.0000000	2.579859	4.856639	1.149212
#1	-.236805	-1.70501	377.1317	C.0000000	H1056926.	-5.87414	H3877705.
#2	-1.67660	-2.11356	372.7209	C.0000000	H1107883.	-6.46735	H3955111.
#3	-1.96487	-1.90111	401.3132	C.0000000	H1102938.	-6.26102	H3956720.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC PASS	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.16421	-1.47567	1.361402	3.505133	-2.21378	2.249549	7.104362
SDEV	.82838	2.94290	.628488	.427868	2.04874	1.543861	1.219662
%RSD	38.27622	199.4281	46.16481	12.20690	92.54499	68.62980	17.16779
#1	-1.20914	.1070432	1.944916	3.964830	-2.50124	2.034301	7.704213
#2	-2.68750	.3371877	1.443317	3.432067	L-4.10362	3.889738	7.907935
#3	-2.59599	-4.87124	.6959719	3.118504	-.036490	.8246068	5.700937
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	4.609887	.9759821	-3.81017	-5.05999	5.894940	2.773502	.3108728
SDEV	1.263459	1.198862	2.47663	.92336	1.956469	1.478411	1.472200
%RSD	27.40758	122.8365	65.00061	18.24820	33.18896	53.30484	473.5697
#1	4.267602	.6737172	-4.09017	-4.55385	5.319608	2.233862	1.121208
#2	6.009222	-.042821	-6.13491	-4.50038	8.074568	4.445923	1.199880
#3	3.552836	2.297049	-1.20544	-6.12574	4.290646	1.640721	-1.38847
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.550112	-19.7928	3110.555
SDEV	.239054	.7164	46.151
%RSD	15.42174	3.619475	1.483698
#1	1.808360	-18.9825	3163.600
#2	1.336561	-20.3420	3079.600
#3	1.505414	-20.0540	3088.467
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-07 OPERATOR:
RUN TIME: 06/10/10 11:07:58
COMMENT: SDG:1005064 CLIENTID:SDZ-WN27 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0572935	54.96418	10.84817	1.319559	408242.8	9.102867	32.48163
SDEV	.1498418	4.59752	.15052	.239788	3458.3	.757144	.92574
%RSD	261.5340	8.364574	1.387512	18.17187	.8471176	8.317648	2.850054
#1	-.045835	49.69543	10.67801	1.117272	410725.3	9.142105	32.47448
#2	-.011459	57.03518	10.90256	1.256969	404292.7	8.326867	31.55948
#3	.2291738	58.16193	10.96393	1.584435	409710.4	9.839630	33.41092
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.24154	-1.85209	1144.042	C.0000000	H1176047.	L-23.4597	H4089290.
SDEV	.63689	.30000	11.950	.0000000	13091.	.2923	13636.
%RSD	51.29859	16.19785	1.044552	.0000000	1.113120	1.245998	.3334598
#1	-.510947	-1.63964	1157.088	C.0000000	H1185552.	L-23.4673	H4073708.
#2	-1.53401	-1.72135	1141.411	C.0000000	H1161116.	L-23.1636	H4099046.
#3	-1.67968	-2.19527	1133.626	C.0000000	H1181474.	L-23.7481	H4095115.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC LOW	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.36734	-.818017	1.300696	2.516612	-2.66642	-1.22662	2.681189
SDEV	1.38321	1.696488	.979589	1.108821	2.09062	3.03239	4.069314
%RSD	101.1605	207.3903	75.31269	44.06006	78.40534	247.2148	151.7728
#1	.2166806	-2.40638	.1695816	3.432940	-2.63166	2.195301	5.575829
#2	-2.33662	-1.01676	1.871745	2.832877	L-4.77421	-2.29475	4.439352
#3	-1.98209	.9690902	1.860761	1.284019	-.593407	-3.58042	-1.97161
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	6.715854	1.993133	-4.99666	-10.1136	3.206251	4.206676	.9439403
SDEV	3.965623	6.529725	1.86538	5.6376	5.586916	2.721738	4.342532
%RSD	59.04868	327.6112	37.33247	55.74237	174.2507	64.70046	460.0431
#1	9.489015	-2.11605	-2.89301	-9.39288	7.976769	3.236280	-2.68106
#2	2.173589	-1.42706	-6.44925	-16.0769	4.582010	2.103127	-.243918
#3	8.484960	9.522509	-5.64773	-4.87106	-2.94003	7.280620	5.756795
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	12.91286	-22.0549	3067.977
SDEV	1.94981	.5766	12.268
%RSD	15.09972	2.614460	.3998624
#1	10.66770	-21.5985	3080.333
#2	13.88990	-21.8633	3055.800
#3	14.18097	-22.7029	3067.800
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-08 OPERATOR:
RUN TIME: 06/10/10 11:15:06
COMMENT: SDG:1005064 CLIENTID:SDZ-WN24 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0572935	48.79224	13.71804	1.088090	378492.8	8.390736	29.32192
SDEV	.1718804	6.82048	.14989	.225258	3875.7	.123905	.24820
%RSD	300.0000	13.97862	1.092629	20.70217	1.023977	1.476682	.8464547
#1	-.114587	56.09329	13.89091	1.260769	380062.8	8.531435	29.36430
#2	.0572935	47.69905	13.63890	1.170208	374078.5	8.297911	29.05526
#3	.2291738	42.58438	13.62431	.8332934	381337.2	8.342862	29.54620
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.58389	-1.81941	7492.238	C.0000000	H1093182.	148.8550	H3935285.
SDEV	.30367	.31178	83.804	.0000000	11910.	.4074	12072.
%RSD	19.17232	17.13663	1.118539	.0000000	1.089493	.2736684	.3067647
#1	-1.82958	-1.45988	7475.518	C.0000000	H1091092.	148.8219	H3948858.
#2	-1.67771	-2.01551	7418.055	C.0000000	H1082454.	148.4652	H3931252.
#3	-1.24439	-1.98282	7583.141	C.0000000	H1105998.	149.2780	H3925746.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC PASS	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.306139	8.480818	.4582314	5.834519	-1.08924	.3953303	3.837652
SDEV	.951326	1.782434	.2957126	.288078	1.59734	.7540986	3.064393
%RSD	72.83493	21.01724	64.53346	4.937476	146.6469	190.7515	79.85074
#1	1.155102	7.303276	.6938127	5.869438	-.916374	-.322066	7.084369
#2	.4393676	7.607699	.1263800	5.530573	-2.76598	.3266269	3.432747
#3	2.323948	10.53148	.5545015	6.103546	.4146324	1.181430	.9958401
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	36.48710	1.547345	-2.40961	-7.75615	4.461064	3.982814	1.659750
SDEV	2.83196	3.719318	1.78995	7.00237	2.397336	2.525370	2.534058
%RSD	7.761528	240.3678	74.28355	90.28155	53.73911	63.40668	152.6771
#1	38.01793	-1.34742	-.705098	-15.1849	7.094290	5.858118	3.927413
#2	33.21921	.2472571	-4.27423	-6.80644	3.883921	4.979049	2.127396
#3	38.22417	5.742196	-2.24951	-1.27710	2.404983	1.111274	-1.07556
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	10.21512	-20.0493	3112.800
SDEV	.41274	.0630	21.704
%RSD	4.040464	.3140947	.6972409
#1	10.62954	-20.0020	3090.867
#2	10.21173	-20.0250	3113.266
#3	9.804085	-20.1208	3134.266
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-09 OPERATOR:
RUN TIME: 06/10/10 11:22:14
COMMENT: SDG:1005064 CLIENTID:SDZ-WN25 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.206256	34.49493	10.92962	.5483027	390530.8	8.337359	28.76146
SDEV	.143119	11.97650	.14979	.3750995	7047.2	.266913	.30652
%RSD	69.38886	34.71960	1.370465	68.41103	1.804521	3.201412	1.065715
#1	-.252091	23.48385	10.79339	.3877969	392875.1	8.450894	28.69931
#2	-.045835	32.75451	10.90545	.2801621	396107.0	8.032449	28.49079
#3	-.320843	47.24641	11.09002	.9769492	382610.2	8.528735	29.09429
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.401195	-1.60696	7332.332	C.0000000	H1094893.	55.18386	H3865488.
SDEV	.127009	.28352	85.376	.0000000	11654.	.50202	46416.
%RSD	31.65764	17.64340	1.164379	.0000000	1.064357	.9097237	1.200771
#1	-.276171	-1.78672	7373.784	C.0000000	H1100689.	54.61382	H3812432.
#2	-.397314	-1.28012	7389.068	C.0000000	H1102512.	55.56004	H3885444.
#3	-.530099	-1.75404	7234.144	C.0000000	H1081478.	55.37774	H3898589.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC PASS	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.70747	3.235607	.3946268	5.649968	-1.47346	-.252875	5.475411
SDEV	.77872	2.978494	.2528166	.488738	1.08709	3.240005	2.056558
%RSD	45.60669	92.05365	64.06475	8.650275	73.77769	1281.266	37.55988
#1	-2.23251	-.165052	.5528780	6.123661	-2.71988	1.340665	4.361476
#2	-.812768	5.380984	.5279480	5.678783	-.721426	-3.98105	4.216121
#3	-2.07714	4.490889	.1030543	5.147461	-.979086	1.881755	7.848636
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	30.31740	-.821789	-1.80256	-8.87949	4.050213	3.965925	.5010043
SDEV	1.75014	1.485992	.92293	3.06794	3.326113	3.034172	3.377940
%RSD	5.772709	180.8241	51.20113	34.55090	82.12193	76.50604	674.2337
#1	30.88207	-2.52713	-2.81977	-7.32806	5.664862	6.967131	4.161749
#2	31.71550	-.133539	-1.01870	-12.4133	.2249906	.8998273	-.163312
#3	28.35464	.1953009	-1.56922	-6.89711	6.260787	4.030817	-2.49542
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	10.12293	-19.5871	3232.578
SDEV	.62012	.0826	67.350
%RSD	6.125871	.4215398	2.083463
#1	9.461244	-19.5270	3306.133
#2	10.21678	-19.6812	3217.666
#3	10.69078	-19.5530	3173.933
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-11 OPERATOR:
RUN TIME: 06/10/10 11:29:22
COMMENT: SDG:1005064 CLIENTID:SDZ-WN28 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.057293	55.68701	9.661299	1.408966	395864.8	8.441167	30.73763
SDEV	.469247	3.58433	.064049	.140991	4703.5	.172456	.43348
%RSD	819.0237	6.436564	.6629390	10.00666	1.188170	2.043030	1.410257
#1	.2635499	51.56569	9.650534	1.284054	390466.9	8.481400	30.24211
#2	-.595852	58.07699	9.603314	1.381001	399083.8	8.252152	31.04666
#3	.1604217	57.41834	9.730047	1.561844	398043.8	8.589950	30.92411
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.54005	-1.92835	2013.616	C.0000000	H1135275.	28.49059	H4045952.
SDEV	.29691	.19497	76.480	.0000000	26785.	.60459	18954.
%RSD	19.27912	10.11048	3.798121	.0000000	2.359366	2.122060	.4684784
#1	-1.24302	-1.77038	1933.622	C.0000000	H1105314.	27.79925	H4026026.
#2	-1.54028	-2.14624	2021.213	C.0000000	H1143608.	28.92030	H4048074.
#3	-1.83684	-1.86843	2086.014	C.0000000	H1156903.	28.75222	H4063757.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC PASS	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.66414	-.179483	1.499586	6.260015	-2.21819	.9773863	3.746051
SDEV	1.03928	1.959548	.193210	.310608	1.20610	1.485167	1.800139
%RSD	62.45174	1091.771	12.88424	4.961776	54.37304	151.9530	48.05432
#1	-.481968	-2.18184	1.722405	6.233307	L-3.60225	2.343256	5.749262
#2	-2.07644	1.734248	1.378478	6.583115	-1.39213	-.603615	3.224922
#3	-2.43401	-.090858	1.397876	5.963624	-1.66020	1.192518	2.263968
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	10.15524	1.752144	-4.20437	-8.40130	5.655714	3.427781	-.890480
SDEV	2.12028	2.393641	2.95304	5.17466	1.575610	2.906477	2.580304
%RSD	20.87868	136.6121	70.23742	61.59358	27.85873	84.79179	289.7656
#1	12.59244	4.421157	-7.61190	-2.42613	4.720406	6.300749	-1.38522
#2	9.138186	1.039565	-2.61015	-11.3788	4.771907	.4889151	-3.18759
#3	8.735095	-.204290	-2.39106	-11.3990	7.474828	3.493680	1.901373
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	11.84955	-21.3425	3042.089
SDEV	.13531	.5439	13.070
%RSD	1.141868	2.548253	.4296293
#1	11.96384	-20.7205	3057.133
#2	11.70015	-21.7282	3035.600
#3	11.88464	-21.5789	3033.533
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-12 OPERATOR:
RUN TIME: 06/10/10 11:36:31
COMMENT: SDG:1005064 CLIENTID:SDZ-WN28D 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0916695	28.24543	9.396046	.6116161	416872.9	8.735207	31.89245
SDEV	.1498418	4.66940	.183758	.1810711	1045.7	.079405	.19280
%RSD	163.4587	16.53153	1.955697	29.60535	.2508379	.9090227	.6045431
#1	.1604217	32.67090	9.606457	.7858629	417677.0	8.826590	32.11224
#2	.1947977	28.70004	9.267122	.6245694	415690.8	8.695993	31.81327
#3	-.080211	23.36536	9.314559	.4244163	417250.8	8.683036	31.75185
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.69325	-.087157	2103.562	C.0000000	H1181774.	28.35510	H3987126.
SDEV	.62864	.058922	25.631	.0000000	3932.	.32675	14769.
%RSD	37.12628	67.60361	1.218476	.0000000	.3327271	1.152346	.3704103
#1	-1.65013	-.021790	2106.492	C.0000000	H1182069.	28.73240	H4003000.
#2	-2.34234	-.136183	2076.591	C.0000000	H1177702.	28.16766	H3984590.
#3	-1.08728	-.103500	2127.602	C.0000000	H1185550.	28.16524	H3973791.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC PASS	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.36233	1.200688	1.265497	3.320078	-.350410	.7173438	6.486855
SDEV	.50717	3.120646	.382463	.286551	3.054286	2.786703	2.940636
%RSD	37.22799	259.9049	30.22236	8.630847	871.6314	388.4753	45.33223
#1	-1.46933	4.793706	1.695875	3.043720	-2.97547	3.923679	9.152757
#2	-1.80747	-.358969	1.136097	3.615836	3.001838	-1.12093	6.975187
#3	-.810203	-.832674	.9645202	3.300679	-1.07759	-.650717	3.332623
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	10.39317	4.679870	-2.86554	-6.83536	4.484272	4.018095	-1.61254
SDEV	1.70781	2.284464	3.45164	2.26542	3.082314	3.351488	3.46502
%RSD	16.43204	48.81469	120.4534	33.14272	68.73611	83.40987	214.8801
#1	10.20526	2.502961	-5.71437	-4.33563	8.043353	7.861004	-4.66724
#2	8.787079	7.058509	.9727793	-8.75280	2.685519	2.492254	2.152665
#3	12.18716	4.478140	-3.85502	-7.41764	2.723944	1.701027	-2.32304
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	11.28591	-21.8537	3226.244
SDEV	1.17196	.0691	27.080
%RSD	10.38425	.3163309	.8393511
#1	9.938160	-21.8288	3200.933
#2	11.85418	-21.8004	3223.000
#3	12.06540	-21.9318	3254.800
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-13 OPERATOR:
RUN TIME: 06/10/10 11:43:39
COMMENT: SDG:1005064 CLIENTID:SDZ-WN17 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.240633	29.72027	11.68912	.6108271	449486.1	8.474261	31.96130
SDEV	.105021	6.32633	.11911	.3083766	6926.2	.244865	1.33260
%RSD	43.64358	21.28625	1.019013	50.48508	1.540910	2.889509	4.169421
#1	-.217715	26.41871	11.58559	.4998023	456700.5	8.219053	33.11991
#2	-.355219	25.72771	11.66246	.3733358	442889.6	8.496461	30.50505
#3	-.148963	37.01438	11.81930	.9593434	448868.1	8.707271	32.25894
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.855660	2.255190	461.2232	C.0000000	H1169304.	L-26.5058	H4022599.
SDEV	.461043	.151843	32.4580	.0000000	15073.	.4671	31708.
%RSD	53.88151	6.733026	7.037366	.0000000	1.289060	1.762158	.7882345
#1	-.662611	2.298769	498.6830	C.0000000	H1184167.	L-26.9952	H4004486.
#2	-.522523	2.086324	443.5399	C.0000000	H1154029.	L-26.0647	H4004099.
#3	-1.38185	2.380479	441.4469	C.0000000	H1169716.	L-26.4576	H4059211.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC LOW	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.22970	-.356694	1.001572	2.569746	-1.46968	2.340891	5.496640
SDEV	.03994	2.764038	.124204	.901507	.65515	2.536925	.676147
%RSD	3.247730	774.9053	12.40088	35.08155	44.57797	108.3744	12.30110
#1	-1.20403	-3.07986	1.061888	3.361678	-1.40885	-.569413	4.758082
#2	-1.20936	2.446475	.8587288	2.758884	-.847057	3.506927	5.646661
#3	-1.27572	-.436693	1.084100	1.588676	-2.15312	4.085159	6.085177
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.9235195	-2.25724	-1.08034	-8.46653	7.732649	3.531316	-2.18603
SDEV	.7683529	2.46998	.72017	2.84878	3.261960	3.176615	1.49557
%RSD	83.19834	109.4250	66.66174	33.64751	42.18425	89.95555	68.41486
#1	1.448679	-3.73071	-.253486	-10.5486	4.408863	3.330835	-3.75199
#2	1.280231	.5943202	-1.57047	-5.21998	7.860032	.4596904	-.772524
#3	.0416484	-3.63533	-1.41705	-9.63105	10.92905	6.803424	-2.03359
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.049782	-21.4005	3149.044
SDEV	.627966	.3174	52.786
%RSD	30.63574	1.483370	1.676265
#1	1.972516	-21.3310	3174.066
#2	1.464024	-21.1236	3184.666
#3	2.712805	-21.7469	3088.400
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV OPERATOR:
RUN TIME: 06/10/10 11:50:49
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	99.01456	47134.81	948.9257	994.6459	48369.71	965.9026	970.3586
SDEV	2.18993	1049.35	19.5554	17.1487	1146.65	18.6344	24.6098
%RSD	2.211727	2.226274	2.060790	1.724100	2.370601	1.929223	2.536155
#1	97.92598	46659.61	947.4686	974.8448	47118.06	945.3344	942.7174
#2	97.58221	48337.69	969.1688	1004.418	48621.58	970.7138	978.4683
#3	101.5355	46407.12	930.1395	1004.675	49369.49	981.6597	989.8901
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	947.7842	981.0623	23835.03	52861.79	49284.38	965.6602	49661.90
SDEV	29.5507	8.7603	570.64	1696.39	911.84	25.6626	1037.87
%RSD	3.117873	.8929370	2.394117	3.209113	1.850169	2.657514	2.089881
#1	917.2784	973.9753	23192.92	52898.31	48291.95	936.3325	49361.52
#2	949.7972	978.3550	24028.04	54539.63	50085.19	976.6526	50816.84
#3	976.2769	990.8567	24284.14	51147.43	49475.99	983.9955	48807.35
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	969.8013	994.7770	972.6812	1112.488	965.6177	1006.208	1021.660
SDEV	17.0573	11.9481	24.3797	40.641	19.3964	15.908	12.030
%RSD	1.758841	1.201078	2.506448	3.653204	2.008706	1.580938	1.177544
#1	950.4099	987.9056	944.5908	1070.787	943.2711	989.9012	1009.008
#2	976.5088	1008.573	988.3298	1114.697	975.4891	1021.684	1032.954
#3	982.4852	987.8520	985.1229	1151.979	978.0928	1007.039	1023.018
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	994.8225	959.9716	968.4335	1007.373	1005.624	1031.243	994.1779
SDEV	10.2308	22.3461	17.9994	18.112	14.813	22.363	16.4369
%RSD	1.028400	2.327784	1.858608	1.797948	1.473026	2.168587	1.653320
#1	985.2819	934.1763	947.8089	988.5320	990.5821	1005.557	983.2342
#2	1005.626	973.4161	976.5212	1024.655	1020.197	1046.391	1013.079
#3	993.5595	972.3223	980.9703	1008.931	1006.092	1041.779	986.2203
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	994.1687	990.7243	4293.578
SDEV	13.0063	12.5334	126.760
%RSD	1.308260	1.265073	2.952321
#1	979.1572	980.1327	4289.066
#2	1001.280	1004.561	4169.133
#3	1002.069	987.4790	4422.533
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB OPERATOR:
RUN TIME: 06/10/10 11:57:58
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1947977	.8617770	.1969826	-.321737	390.1465	.0924042	-.637416
SDEV	.1786233	5.793079	.1094587	.194141	3.5803	.2808339	.012926
%RSD	91.69681	672.2248	55.56769	60.34163	.9176737	303.9190	2.027862
#1	-.011459	4.716279	.2128198	-.171112	387.7648	.0009649	-.622957
#2	.2979259	-5.80012	.0804680	-.540837	388.4109	-.131314	-.647853
#3	.2979259	3.669172	.2976599	-.253262	394.2638	.4075618	-.641437
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.605233	-.185209	6.031063	-1413.79	34.53380	.0330062	93.96026
SDEV	.389417	.176765	4.004764	7.50	2.88801	.1551583	28.87913
%RSD	64.34178	95.44111	66.40229	.5306612	8.362849	470.0886	30.73547
#1	-1.05135	-.381313	2.032165	-1413.02	33.44765	-.001114	127.3068
#2	-.333401	-.038131	10.04167	-1421.64	32.34634	-.102252	77.18916
#3	-.430944	-.136183	6.019356	-1406.70	37.80741	.2023848	77.38480
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.24217	4.859772	.4313339	1.265301	-.516272	.9052889	1.987122
SDEV	.49656	2.184341	.3116145	.123793	.916541	.3051640	1.476840
%RSD	39.97493	44.94739	72.24438	9.783677	177.5306	33.70902	74.32055
#1	-.727236	2.899150	.2512183	1.192815	-.770785	1.159460	3.677680
#2	-1.71804	7.214243	.2516281	1.408240	-1.27866	.5668437	.9480167
#3	-1.28123	4.465923	.7911553	1.194848	.5006273	.9895636	1.335671
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6334481	1.838667	-1.69475	1.693050	.5092230	1.020876	.3048498
SDEV	1.612539	3.217287	.82666	3.242722	1.921698	.295020	2.249814
%RSD	254.5653	174.9793	48.77792	191.5314	377.3785	28.89870	738.0074
#1	2.085693	2.928504	-2.62043	2.228349	.6230422	.6805171	2.731923
#2	-1.10189	-1.78198	-1.03014	4.634814	-1.46686	1.178671	-1.71097
#3	.9165441	4.369480	-1.43369	-1.78401	2.371482	1.203442	-.106408
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.794988	.3336780	4348.600
SDEV	1.042133	.0888129	21.948
%RSD	58.05792	26.61635	.5047044
#1	2.196557	.2313589	4351.533
#2	.6118101	.3908242	4368.933
#3	2.576598	.3788507	4325.333
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-14 OPERATOR:
RUN TIME: 06/10/10 12:05:07
COMMENT: SDG:1005064 CLIENTID:SDZ-WN03 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0343761	120.4854	14.34309	1.423842	295314.2	5.962677	21.48151
SDEV	.1587763	8.1879	.16012	.146530	538.8	.295305	.53941
%RSD	461.8803	6.795796	1.116332	10.29116	.1824450	4.952564	2.511038
#1	-.148963	111.6303	14.24453	1.255014	295415.1	5.950013	21.27642
#2	.1260456	127.7822	14.25690	1.517944	295795.4	6.264111	22.09338
#3	.1260456	122.0438	14.52784	1.498567	294732.1	5.673907	21.07472
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.855650	.7517299	224.3850	C.0000000	H789206.3	32.20981	H3302625.
SDEV	.677534	.1147825	19.9491	.0000000	6355.4	.44814	6879.
%RSD	79.18353	15.26911	8.890554	.0000000	.8052931	1.391315	.2082898
#1	-.401201	.8606768	237.0034	C.0000000	H782983.2	31.90884	H3294844.
#2	-.531368	.6318886	234.7654	C.0000000	H795686.2	32.72483	H3305130.
#3	-1.63438	.7626243	201.3860	C.0000000	H788949.5	31.99573	H3307900.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC PASS	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.878476	-1.48634	7.851707	3.965971	-2.06398	.1659549	4.939404
SDEV	.634924	1.29943	.808192	1.091546	1.82922	2.707710	1.486283
%RSD	72.27567	87.42491	10.29320	27.52278	88.62598	1631.593	30.09034
#1	-1.16222	-.164226	6.921382	4.715936	L-4.06806	1.164274	4.047816
#2	-.151159	-2.76183	8.253267	4.468276	-.484191	2.232767	6.655175
#3	-1.32205	-1.53296	8.380473	2.713699	-1.63968	-2.89918	4.115221
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	9.326373	2.931301	-4.56158	-9.38712	4.931619	6.574964	-1.50783
SDEV	2.036348	3.951396	2.37340	1.85296	4.718737	.977284	.17593
%RSD	21.83430	134.8001	52.03012	19.73943	95.68332	14.86371	11.66769
#1	11.67272	-.599386	-5.80348	-11.3651	7.415890	5.478590	-1.40802
#2	8.020099	2.193802	-1.82491	-9.10460	7.889219	7.354574	-1.40450
#3	8.286303	7.199486	-6.05636	-7.69164	-.510252	6.891726	-1.71097
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	8.710025	-13.4677	3263.578
SDEV	1.706953	.4448	18.787
%RSD	19.59756	3.302684	.5756502
#1	8.221237	-13.0900	3283.800
#2	10.60805	-13.3553	3246.666
#3	7.300786	-13.9580	3260.266
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-15 OPERATOR:
RUN TIME: 06/10/10 12:12:16
COMMENT: SDG:1005064 CLIENTID:SDZ-WN30 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1718804	52.93235	12.54322	.5993305	393829.0	8.141583	29.46717
SDEV	.1730224	12.23782	.49979	.4487702	16398.5	.489423	1.94406
%RSD	100.6645	23.11974	3.984527	74.87860	4.163866	6.011395	6.597372
#1	.1947977	64.01785	12.96617	1.080386	402073.5	8.558319	30.93937
#2	-.011459	39.80027	11.99171	.1919677	374944.2	7.602635	27.26347
#3	.3323021	54.97894	12.67177	.5256376	404469.3	8.263792	30.19867
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.13405	-.473917	721.1743	C.0000000	H1102157.	46.80728	H3878304.
SDEV	.35411	.265693	37.4855	.0000000	39428.	1.59855	88158.
%RSD	31.22517	56.06313	5.197841	.0000000	3.577371	3.415167	2.273097
#1	-1.51230	-.528391	729.6516	C.0000000	H1130393.	47.39028	H3941445.
#2	-1.07941	-.708152	680.1760	C.0000000	H1057110.	44.99907	H3777584.
#3	-.810431	-.185210	753.6951	C.0000000	H1118969.	48.03251	H3915885.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC PASS	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.02136	-.224592	1.855059	2.509694	-.833896	.4510643	4.309647
SDEV	.56739	1.272153	.444435	.396415	1.916292	1.955431	1.317796
%RSD	28.06958	566.4284	23.95797	15.79535	229.8000	433.5150	30.57782
#1	-1.97724	.8534966	2.219189	2.464369	-2.62990	2.468963	5.568909
#2	-2.60952	-1.62774	1.359818	2.926824	-1.05525	-1.43525	4.419800
#3	-1.47732	.1004628	1.986171	2.137890	1.183460	.3194829	2.940232
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	6.672872	1.469056	-1.98735	-6.63035	3.982758	3.596101	-.739949
SDEV	3.018494	3.311867	3.38113	2.37240	2.050240	2.282533	2.694483
%RSD	45.23530	225.4418	170.1328	35.78099	51.47789	63.47244	364.1444
#1	5.035148	-.617191	-3.63856	-5.26562	6.326642	5.917747	2.051883
#2	4.827208	5.287814	-4.22559	-9.36976	2.522479	1.354802	-3.32519
#3	10.15626	-.263453	1.902109	-5.25566	3.099153	3.515755	-.946539
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	10.94049	-20.1094	3275.267
SDEV	1.76138	.8047	108.732
%RSD	16.09966	4.001453	3.319778
#1	11.85660	-20.8090	3176.533
#2	8.909852	-19.2301	3391.800
#3	12.05503	-20.2890	3257.467
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-16 OPERATOR:
RUN TIME: 06/10/10 12:19:24
COMMENT: SDG:1005064 CLIENTID:SDZ-WN02 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.114587	14.57513	2.627178	-.258130	25194.67	.3012928	.5902729
SDEV	.293709	5.68959	.099516	.080884	76.45	.2548331	.4043768
%RSD	256.3201	39.03632	3.787946	31.33464	.3034524	84.57989	68.50674
#1	-.389596	8.375974	2.517084	-.348973	25136.62	.0070529	.3672118
#2	.1947977	15.79074	2.710737	-.193925	25166.08	.4510785	1.057055
#3	-.148963	19.55867	2.653712	-.231490	25281.29	.4457470	.3465523
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.497607	-.359524	L-144.302	22085.72	29399.98	4.089935	219113.9
SDEV	.334421	.264686	1.093	153.59	303.96	.057666	1093.5
%RSD	67.20598	73.62126	.7576998	.6954256	1.033870	1.409957	.4990593
#1	-.740394	-.054474	L-143.581	21920.01	29057.14	4.156441	217920.1
#2	-.116158	-.495707	L-143.765	22113.83	29506.34	4.059545	219354.7
#3	-.636267	-.528391	L-145.560	22223.31	29636.47	4.053820	220067.0
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.48544	-.237360	.1728033	4.399042	1.864357	1.097778	7.382897
SDEV	.32238	2.066463	.2781387	.256193	1.055039	.840021	2.688037
%RSD	21.70278	870.6018	160.9568	5.823836	56.59000	76.52006	36.40897
#1	-1.40284	1.980652	.0821470	4.246784	1.740830	.1366387	9.999434
#2	-1.21240	-.584404	-.048697	4.694825	2.975722	1.465244	4.628653
#3	-1.84109	-2.10833	.4849595	4.255516	.8765181	1.691453	7.520604
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.917816	10.26001	-2.32998	-7.71984	5.497176	2.788276	-1.02065
SDEV	1.114394	1.83877	.68621	2.87674	2.477967	3.582130	.80614
%RSD	121.4180	17.92170	29.45118	37.26425	45.07709	128.4711	78.98351
#1	-1.30291	9.742649	-2.25688	-5.12857	2.762500	6.074622	-1.02207
#2	-1.78859	12.30204	-1.68325	-10.8154	7.593540	3.320327	-.213796
#3	.3380513	8.735349	-3.04981	-7.21558	6.135488	-1.03012	-1.82608
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.8231685	-.068559	4311.155
SDEV	.3946478	.107036	6.862
%RSD	47.94253	156.1219	.1591621
#1	1.108410	.0246211	4318.999
#2	.9883212	-.044830	4306.267
#3	.3727738	-.185468	4308.200
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-17 OPERATOR:
RUN TIME: 06/10/10 12:26:32
COMMENT: SDG:1005064 CLIENTID:SDZ-WN10 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0114587	77.38572	10.11410	1.918230	395263.5	8.592201	31.64559
SDEV	.1764043	7.55973	.08799	.181640	3939.5	.253962	.09086
%RSD	1539.481	9.768893	.8699817	9.469129	.9966848	2.955725	.2871325
#1	.0572935	68.69031	10.02379	1.739757	399609.0	8.747732	31.74986
#2	-.183339	81.06865	10.19957	1.912054	394255.9	8.299135	31.60361
#3	.1604217	82.39820	10.11894	2.102879	391925.7	8.729735	31.58331
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.8987085	-2.29877	454.1993	C.0000000	H1132012.	-8.01560	H4109106.
SDEV	.4228060	.21328	17.6969	.0000000	4879.	.16526	18329.
%RSD	47.04596	9.278090	3.896291	.0000000	.4310301	2.061724	.4460642
#1	.5711339	-2.22795	451.1670	C.0000000	H1137583.	-8.09356	H4088285.
#2	.7489896	-2.53845	438.2144	C.0000000	H1129957.	-8.12747	H4116228.
#3	1.376002	-2.12990	473.2164	C.0000000	H1128496.	-7.82578	H4122806.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC PASS	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.571970	-1.71877	3.415225	2.054420	-.563515	4.500700	5.417261
SDEV	1.051961	3.85725	.941619	.173977	1.587862	.873798	2.764529
%RSD	40.90098	224.4197	27.57121	8.468438	281.7779	19.41472	51.03186
#1	3.318855	-.089391	3.694412	2.255286	.3362271	4.416822	4.860804
#2	3.028132	-6.12334	2.365584	1.951237	-2.39692	5.413413	8.417692
#3	1.368923	1.056426	4.185679	1.956736	.3701426	3.671865	2.973286
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3.737077	-.971650	-.363898	-10.6091	12.04015	4.284108	-2.43973
SDEV	1.919836	1.377236	1.718764	1.6060	1.39258	1.976021	3.04175
%RSD	51.37267	141.7421	472.3207	15.13832	11.56613	46.12444	124.6757
#1	3.888089	.1065977	.4467755	-8.82913	11.02578	5.620541	-3.05602
#2	1.746194	-2.52311	-2.33807	-11.0485	13.62787	5.217489	-5.12615
#3	5.576947	-.498441	.7996048	-11.9498	11.46679	2.014293	.8629755
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	10.43962	-21.1732	2927.733
SDEV	2.06356	.1888	31.274
%RSD	19.76664	.8914806	1.068210
#1	9.650656	-21.2785	2962.867
#2	8.886941	-21.2858	2917.400
#3	12.78126	-20.9552	2902.933
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-18 OPERATOR:
RUN TIME: 06/10/10 12:33:40
COMMENT: SDG:1005064 CLIENTID:SDZ-SW06 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.5958520	59.59078	17.90642	.9429504	44101.27	.2943996	1.631871
SDEV	.8520368	7.51243	.14126	.1424619	838.96	.3084745	.790416
%RSD	142.9947	12.60669	.7888697	15.10810	1.902340	104.7809	48.43616
#1	.2291738	68.05866	17.74333	1.106530	43687.69	.3121401	1.672276
#2	-.011459	53.72659	17.99014	.8461043	43549.39	-.022562	.8220277
#3	1.569841	56.98708	17.98579	.8762169	45066.71	.5936210	2.401309
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.826106	6.378811	-76.0443	36272.37	76222.77	7.087089	629218.4
SDEV	.789756	.287884	7.3631	574.10	1174.05	.285111	3108.6
%RSD	95.59985	4.513135	9.682660	1.582746	1.540294	4.022971	.4940367
#1	.0775536	6.204497	-67.8733	36713.14	76058.45	7.190904	631077.5
#2	-1.17180	6.711098	-82.1649	36480.81	75139.53	6.764616	630947.9
#3	-1.38407	6.220839	-78.0947	35623.17	77470.33	7.305746	625629.7
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.73893	1.956841	1.677547	2.944950	.6267658	2.317318	6.273083
SDEV	.86168	3.095794	1.233207	.398843	.9021772	1.584893	1.060837
%RSD	49.55253	158.2037	73.51252	13.54329	143.9417	68.39342	16.91094
#1	-1.49612	2.441130	.9063920	3.375824	-.411619	3.106463	7.180158
#2	-1.02470	-1.35256	1.026404	2.870355	1.073565	3.352719	5.106603
#3	-2.69596	4.781950	3.099846	2.588670	1.218352	.4927721	6.532487
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.10946	11.09960	-4.60482	-3.22079	5.079200	2.041289	-.397374
SDEV	1.80710	8.91700	3.83865	6.43361	5.550007	4.648186	3.820117
%RSD	162.8809	80.33627	83.36156	199.7523	109.2693	227.7084	961.3399
#1	.9059133	5.885144	-3.55836	-7.90399	8.600362	-1.74751	-2.97398
#2	-2.58545	6.017867	-1.39792	-5.87339	7.955821	.6433707	-2.20974
#3	-1.64884	21.39578	-8.85819	4.115005	-1.31858	7.228010	3.991593
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.575229	-1.19977	3997.511
SDEV	.909776	.22187	81.471
%RSD	57.75515	18.49311	2.038038
#1	.5316662	-1.04201	3927.933
#2	1.992492	-1.10383	3977.466
#3	2.201531	-1.45347	4087.133
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-19 OPERATOR:
RUN TIME: 06/10/10 12:40:49
COMMENT: SDG:1005064 CLIENTID:SDZ-FB-050810 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1145869	-6.55412	-.036596	-.201921	385.7241	-.734657	-2.06904
SDEV	.1050206	25.92150	.032256	.751250	1.6241	.565597	1.90585
%RSD	91.65152	395.4997	88.14314	372.0511	.4210589	76.98793	92.11272
#1	.0916695	11.92724	-.072992	.3104752	385.3970	-.303253	-.740002
#2	.2291738	-36.1848	-.025247	-1.06431	384.2885	-1.37500	-4.25260
#3	.0229174	4.595254	-.011547	.1480686	387.4869	-.525719	-1.21451
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.014815	-.610100	8.274349	L-1428.79	13.91777	-.005229	251.3563
SDEV	.317668	.259420	3.202846	.95	.65368	.078768	26.2044
%RSD	2144.262	42.52094	38.70813	.0662194	4.696759	1506.368	10.42519
#1	.1146185	-.806204	10.10825	L-1429.77	13.50149	.0129676	278.3306
#2	-.376766	-.315945	4.576064	L-1428.70	13.58063	.0628480	249.7418
#3	.2177028	-.708152	10.13874	L-1427.89	14.67120	-.091503	225.9966
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.62124	-1.39853	-.006939	2.322744	.7991321	-1.05321	6.139513
SDEV	.24663	1.09922	.159831	.596292	1.242160	1.34918	1.355799
%RSD	15.21259	78.59841	2303.400	25.67189	155.4386	128.1020	22.08317
#1	-1.45740	-.599104	.1455173	1.648726	-.412707	-2.61004	6.987519
#2	-1.50143	-.944440	-.173244	2.781569	2.069541	-.324579	4.575836
#3	-1.90489	-2.65204	.0069095	2.537937	.7405631	-.224997	6.855184
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.47343	7.785051	-2.69136	-9.92888	3.375213	1.338793	-1.03151
SDEV	1.71481	2.036964	1.92969	5.88703	.947378	2.282030	1.76287
%RSD	116.3823	26.16508	71.69958	59.29196	28.06868	170.4544	170.9025
#1	-.486619	6.144858	-3.68944	-16.7136	4.428294	1.099571	-2.77096
#2	-.480149	7.145164	-.467038	-6.17200	2.592179	3.731010	-1.07743
#3	-3.45352	10.06513	-3.91759	-6.90105	3.105165	-.814203	.7538788
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.6749097	-.016601	4375.022
SDEV	.4467889	.153024	274.543
%RSD	66.19981	921.7969	6.275241
#1	.6302166	.0788842	4209.533
#2	1.142366	.0644136	4691.933
#3	.2521470	-.193100	4223.600
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-20 OPERATOR:
RUN TIME: 06/10/10 12:47:57
COMMENT: SDG:1005064 CLIENTID:SDZ-WN18 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.286467	151.2536	11.06886	.6267466	459098.6	8.538486	31.65741
SDEV	.268486	1.2286	.16851	.0454911	4470.6	.442016	.59036
%RSD	93.72299	.8122962	1.522334	7.258297	.9737810	5.176752	1.864827
#1	-.114587	149.9351	10.93217	.6183784	455003.3	8.981508	32.23817
#2	-.595852	151.4591	11.25712	.6758409	463868.0	8.536466	31.67616
#3	-.148963	152.3664	11.01729	.5860205	458424.6	8.097483	31.05791
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.345994	-1.43265	1859.015	C.0000000	H1139268.	27.10033	H3899288.
SDEV	.680310	.15872	33.557	.0000000	8514.	.05460	8048.
%RSD	196.6249	11.07892	1.805094	.0000000	.7472946	.2014708	.2064070
#1	-.805834	-1.60696	1821.894	C.0000000	H1130675.	27.06784	H3895328.
#2	-.667646	-1.39451	1867.954	C.0000000	H1147700.	27.06977	H3908550.
#3	.4354987	-1.29646	1887.197	C.0000000	H1139427.	27.16336	H3893988.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC PASS	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.38600	-.949160	1.605988	2.631136	-.906544	.6681141	6.503316
SDEV	1.48849	.199859	.614601	.938709	2.192558	2.405970	3.797252
%RSD	107.3940	21.05636	38.26937	35.67696	241.8590	360.1137	58.38948
#1	-3.05950	-1.08888	1.956051	1.561644	-2.57736	-.795255	3.166451
#2	-.209921	-1.03836	.8963286	3.318577	1.576163	3.444941	5.708393
#3	-.888593	-.720234	1.965584	3.013188	-1.71844	-.645344	10.63510
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.043190	-1.34413	-.691823	-7.35196	4.668395	3.255175	1.723400
SDEV	1.295029	1.76769	2.405001	6.31858	1.235192	2.573488	.543980
%RSD	124.1412	131.5117	347.6325	85.94410	26.45861	79.05838	31.56436
#1	-.359553	-2.72681	-2.50649	-8.88992	3.242261	2.389089	1.215354
#2	1.295858	.6475445	2.036022	-.406377	5.363958	6.149978	2.297316
#3	2.193265	-1.95313	-1.60500	-12.7596	5.398964	1.226457	1.657531
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	15.84870	-21.5595	3239.977
SDEV	.25479	.1827	11.999
%RSD	1.607665	.8474344	.3703286
#1	15.60014	-21.6817	3234.533
#2	16.10930	-21.6473	3231.666
#3	15.83667	-21.3495	3253.733
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0051443-BLK1 OPERATOR:
RUN TIME: 06/10/10 12:55:06
COMMENT: SDG:1005078 CLIENTID:PBW 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1375043	16.16303	.0430904	.4613562	381.3187	-.510240	-1.18216
SDEV	.5438957	3.77855	.0394454	.1601788	3.7318	.281623	.46001
%RSD	395.5482	23.37774	91.54121	34.71912	.9786544	55.19434	38.91278
#1	.2635499	14.10414	.0670559	.2776437	385.3797	-.704721	-1.57364
#2	-.458348	20.52386	-.002436	.5717744	380.5360	-.638708	-1.29733
#3	.6073106	13.86107	.0646514	.5346504	378.0403	-.187290	-.675507
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000
LOW	-5.00000	-200.000	-200.000	-5.00000	-5000.00	-5.00000	-5.00000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.769235	-.659126	-2.24346	-1426.01	22.74397	-.090690	224.0880
SDEV	.881975	.129711	20.33759	4.00	3.86746	.003585	53.8957
%RSD	114.6561	19.67917	906.5263	.2804599	17.00434	3.952752	24.05116
#1	.2202525	-.512048	20.53403	-1423.20	27.20792	-.090797	265.3278
#2	-1.05526	-.757178	-8.68179	-1430.59	20.40167	-.087053	163.1046
#3	-1.47270	-.708152	-18.5826	-1424.23	20.62233	-.094220	243.8315
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000
LOW	-5.00000	-5.00000	-100.000	-5000.00	-5000.00	-10.0000	-5000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.14038	-1.15770	.1403740	2.248195	.0349370	1.211234	4.130815
SDEV	.34836	1.45912	.2444522	1.011196	.8324695	2.022401	2.191600
%RSD	16.27583	126.0362	174.1436	44.97812	2382.776	166.9703	53.05490
#1	-1.77972	-2.84234	.4224875	3.214021	-.674073	3.539111	6.633250
#2	-2.16642	-.292619	.0074304	2.333528	.9515666	.2080753	3.205904
#3	-2.47499	-.338138	-.008796	1.197037	-.172683	-.113483	2.553292
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000
LOW	-40.0000	-10.0000	-20.0000	-20.0000	-3.00000	-5.00000	-10.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.423549	5.493516	-2.69314	-4.04763	3.833856	1.613595	.6795256
SDEV	1.352002	2.183968	1.47832	3.16442	3.009078	2.457374	.7709675
%RSD	319.2081	39.75538	54.89223	78.17954	78.48699	152.2919	113.4567
#1	1.137363	3.443801	-2.73281	-2.76663	6.684386	.4115027	1.351060
#2	-1.18004	5.246086	-1.19537	-7.65171	4.129175	-.011323	-.162376
#3	-1.22797	7.790662	-4.15122	-1.72455	.6880065	4.440606	.8498924
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	10.00000					100.0000	50.00000
LOW	-10.0000					-100.000	-50.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.7931516	-.022272	4209.800
SDEV	.8084841	.237672	48.302
%RSD	101.9331	1067.118	1.147364
#1	1.385411	.1991691	4209.333
#2	-.127933	.0074018	4161.733
#3	1.121976	-.273388	4258.333
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	5.000000	40.00000	
LOW	-5.00000	-40.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0051443-BS1 OPERATOR:
RUN TIME: 06/10/10 13:02:14
COMMENT: SDG:1005078 CLIENTID:LCSW 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	958.1414	19387.73	18516.93	508.0449	48753.57	479.9774	4895.866
SDEV	6.3525	618.32	542.99	16.4620	1580.80	17.1002	184.410
%RSD	.6630049	3.189254	2.932404	3.240273	3.242425	3.562715	3.766641
#1	951.0371	18706.95	17890.41	490.1183	47016.56	460.7173	4693.324
#2	960.1123	19914.47	18851.31	522.4832	50107.89	493.3763	5054.053
#3	963.2749	19541.78	18809.07	511.5333	49136.25	485.8386	4940.220
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1200.000	24000.00	24000.00	600.0000	60000.00	600.0000	6000.000
LOW	800.0000	16000.00	16000.00	400.0000	40000.00	400.0000	4000.000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	958.2076	2507.151	9518.335	54351.98	48623.36	1461.050	50631.69
SDEV	32.2130	22.862	319.468	1488.68	1627.95	50.974	1423.74
%RSD	3.361797	.9118848	3.356344	2.738957	3.348090	3.488855	2.811951
#1	921.2628	2480.802	9155.145	52730.37	46791.06	1403.003	49136.20
#2	980.4203	2521.739	9755.870	55656.70	49903.15	1498.513	51970.76
#3	972.9396	2518.912	9643.991	54668.86	49175.86	1481.635	50788.11
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1200.000	3000.000	12000.00	60000.00	60000.00	1800.000	60000.00
LOW	800.0000	2000.000	8000.000	40000.00	40000.00	1200.000	40000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3820.230	980.6711	4926.538	1863.440	285.9951	477.1015	6003.676
SDEV	123.626	30.9314	147.796	65.108	10.7720	12.9490	168.937
%RSD	3.236080	3.154109	3.000005	3.493982	3.766483	2.714101	2.813886
#1	3679.522	945.4286	4758.985	1790.674	273.6753	462.7655	5813.743
#2	3911.422	1003.315	5038.392	1916.191	293.6388	487.9486	6137.162
#3	3869.746	993.2695	4982.236	1883.456	290.6712	480.5904	6060.123
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	4800.000	1200.000	6000.000	2400.000	360.0000	600.0000	7200.000
LOW	3200.000	800.0000	4000.000	1600.000	240.0000	400.0000	4800.000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	984.5414	289.6012	284.1913	474.2697	478.5124	1026.832	1002.026
SDEV	30.3977	8.1752	12.8211	9.7220	14.7953	36.711	28.670
%RSD	3.087500	2.822915	4.511443	2.049894	3.091934	3.575149	2.861233
#1	951.5352	282.2465	269.3918	464.7562	461.7688	985.0969	969.9587
#2	1011.387	298.4035	291.2570	484.1877	489.8233	1054.127	1025.183
#3	990.7020	288.1535	291.9252	473.8652	483.9451	1041.272	1010.937
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	1200.000					1205.000	1205.000
LOW	800.0000					795.0000	795.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	978.9014	1002.121	4178.800
SDEV	28.8404	27.907	94.947
%RSD	2.946198	2.784777	2.272104
#1	946.3963	971.9781	4281.600
#2	1001.426	1027.059	4094.400
#3	988.8822	1007.327	4160.400
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	1205.000	1205.000	
LOW	795.0000	795.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005078-01 OPERATOR:
RUN TIME: 06/10/10 13:09:22
COMMENT: SDG:1005078 CLIENTID:SDZ-SW03 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0458348	564.9025	12.52250	1.121377	315451.2	6.534012	24.53872
SDEV	.1764043	2.7018	.18403	.282961	4536.8	.337364	.37699
%RSD	384.8701	.4782773	1.469570	25.23336	1.438185	5.163195	1.536318
#1	-.148963	563.4407	12.73499	1.394222	310232.1	6.146968	24.42744
#2	.1947977	568.0203	12.41732	1.140626	318451.7	6.765773	24.95883
#3	.0916695	563.2466	12.41518	.8292826	317669.9	6.689295	24.22989
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.406697	-1.24199	662.2618	C.0000000	H884184.5	-5.71645	H3390640.
SDEV	.404877	.07723	7.3074	.0000000	7339.9	.20304	11443.
%RSD	99.55263	6.218172	1.103398	.0000000	.8301342	3.551919	.3374946
#1	-.002156	-1.32915	665.1611	C.0000000	H877135.1	-5.48324	H3378550.
#2	-.406024	-1.21475	667.6746	C.0000000	H891784.0	-5.85391	H3401302.
#3	-.811910	-1.18207	653.9497	C.0000000	H883634.3	-5.81222	H3392067.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC PASS	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.32597	.2280103	3.459003	3.993240	-.202243	.7421485	4.429590
SDEV	.35262	1.615408	.478071	.336763	.845595	.8231452	1.577972
%RSD	26.59301	708.4801	13.82107	8.433317	418.1082	110.9138	35.62342
#1	-1.72994	1.811297	3.814766	3.811100	-1.09443	1.674950	4.123122
#2	-1.07985	.2904409	3.646673	4.381846	-.099700	.1176987	3.027333
#3	-1.16814	-1.41771	2.915572	3.786774	.5874042	.4337973	6.138315
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1154416	3.807455	-2.20771	-9.19403	5.699165	2.725549	1.617793
SDEV	1.304205	2.189755	2.36077	2.83963	.818346	2.289291	1.110664
%RSD	1129.753	57.51230	106.9328	30.88563	14.35906	83.99376	68.65305
#1	-1.38223	6.087562	-4.68368	-6.19904	5.602409	3.381454	2.467528
#2	1.001005	3.613901	-1.95736	-9.53565	4.933497	4.615296	2.024813
#3	.7275456	1.720902	.0179010	-11.8474	6.561588	.1798960	.3610372
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	10.47301	-7.92803	3342.044
SDEV	.89357	.09202	17.581
%RSD	8.532109	1.160683	.5260570
#1	10.81300	-7.98211	3334.066
#2	11.14668	-7.82178	3329.867
#3	9.459352	-7.98019	3362.200
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV1 OPERATOR:
RUN TIME: 06/10/10 13:16:31
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	101.6042	46605.73	899.8757	1006.543	49414.61	970.1399	980.0523
SDEV	1.1443	717.05	9.0217	15.660	845.87	10.9197	17.2667
%RSD	1.126198	1.538536	1.002552	1.555791	1.711783	1.125578	1.761812
#1	102.0855	47227.67	905.9405	1024.273	50390.07	982.4881	998.1162
#2	102.4292	45821.42	Q889.5081	994.6018	48969.78	961.7563	963.7122
#3	100.2979	46768.10	904.1785	1000.753	48883.96	966.1754	978.3285
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	965.2460	996.6144	24217.85	51592.12	49344.87	978.3552	49165.46
SDEV	20.4626	6.3114	446.68	806.57	931.15	16.8313	536.65
%RSD	2.119935	.6332863	1.844415	1.563362	1.887034	1.720363	1.091522
#1	988.8549	1002.361	24725.76	52070.72	50343.32	997.4303	49545.18
#2	954.2679	997.6222	23886.17	50660.89	48500.15	965.5931	48551.51
#3	952.6153	989.8598	24041.63	52044.75	49191.14	972.0422	49399.71
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	970.5156	994.2014	973.7758	1153.578	973.9751	1007.518	1009.264
SDEV	14.0585	13.3516	23.4081	22.085	15.4050	18.730	11.867
%RSD	1.448563	1.342951	2.403849	1.914521	1.581667	1.858990	1.175767
#1	986.0882	1002.866	998.9307	1178.916	990.3498	1021.168	1019.984
#2	958.7590	978.8256	952.6331	1143.405	959.7696	986.1650	996.5127
#3	966.6996	1000.912	969.7636	1138.411	971.8058	1015.221	1011.295
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1003.440	965.0153	978.4450	1014.754	1003.903	1045.525	985.3249
SDEV	13.229	26.0340	12.8013	13.254	23.482	16.522	10.1208
%RSD	1.318336	2.697782	1.308329	1.306142	2.339040	1.580281	1.027152
#1	1014.875	995.0284	988.0105	1029.828	1016.842	1064.562	993.9935
#2	988.9520	951.4844	963.9027	1004.923	976.7977	1037.102	974.2030
#3	1006.494	948.5329	983.4218	1009.511	1018.068	1034.912	987.7784
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	987.4626	986.6080	4422.310
SDEV	11.4646	14.0251	70.683
%RSD	1.161018	1.421548	1.598317
#1	997.9453	1001.020	4394.866
#2	975.2197	973.0045	4502.600
#3	989.2228	985.7997	4369.466
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB1 OPERATOR:
RUN TIME: 06/10/10 13:23:40
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1260456	21.94635	.0364132	.7905067	370.9128	-.327287	-.935487
SDEV	.0687521	6.80877	.0258562	.1101403	.9494	.346338	.630003
%RSD	54.54546	31.02462	71.00787	13.93287	.2559650	105.8209	67.34493
#1	.1260456	22.05442	.0327146	.8194159	371.3767	-.633244	-1.65210
#2	.0572935	28.70044	.0639195	.8833091	369.8206	.0487231	-.468781
#3	.1947977	15.08418	.0126054	.6687950	371.5410	-.397341	-.685578
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.343155	-.261472	-4.68869	-1430.41	5.433648	.6969529	138.2206
SDEV	.216763	.188700	5.43505	2.69	1.505170	.0675059	24.1452
%RSD	16.13838	72.16860	115.9183	.1882990	27.70092	9.685863	17.46864
#1	1.145268	-.152525	-2.65675	-1433.28	3.696100	.6718878	118.9006
#2	1.574827	-.479364	-.562362	-1427.94	6.267305	.7734062	165.2888
#3	1.309368	-.152525	-10.8469	-1430.00	6.337538	.6455648	130.4723
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.628837	4.192261	.2095934	.9766803	-1.64455	1.070327	.7043738
SDEV	1.565821	1.996942	.3302857	.6119292	1.38762	1.862815	1.257176
%RSD	59.56325	47.63402	157.5840	62.65400	84.37703	174.0417	178.4814
#1	.9481897	3.611626	.0269666	.2833126	-2.21766	-.264183	.6442155
#2	4.046537	2.549982	.5908623	1.441213	-2.65381	3.198539	1.990549
#3	2.891784	6.415173	.0109512	1.205515	-.062172	.2766266	-.521643
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1417939	1.918751	-3.42647	3.270976	-.031293	.3505726	.1063161
SDEV	.7588273	.940445	1.61093	.379843	2.610623	1.191265	1.164466
%RSD	535.1623	49.01338	47.01427	11.61253	8342.535	339.8053	1095.286
#1	.9583569	1.521694	-4.08750	3.101055	-1.94725	-.389553	-.611583
#2	-.541692	1.241953	-4.60173	3.706117	2.942170	1.724763	1.449871
#3	.0087168	2.992605	-1.59017	3.005757	-1.08879	-.283492	-.519339
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.926960	-.143838	4098.578
SDEV	.289460	.034448	53.963
%RSD	9.889452	23.94945	1.316620
#1	3.129488	-.165427	4058.200
#2	2.595427	-.161975	4077.666
#3	3.055965	-.104110	4159.866
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0051443-DUP1 OPERATOR:
RUN TIME: 06/10/10 13:30:49
COMMENT: SDG:1005078 CLIENTID:SDZ-SW03D 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.011459	562.8028	12.36289	1.445403	306697.2	6.541539	24.04199
SDEV	.123945	13.7589	.02808	.196168	1388.6	.227266	.29051
%RSD	1081.665	2.444702	.2271405	13.57183	.4527726	3.474196	1.208346
#1	-.045835	578.3837	12.38902	1.637784	305323.0	6.679815	24.37696
#2	-.114587	557.7017	12.36644	1.452768	306668.7	6.279244	23.85881
#3	.1260456	552.3231	12.33320	1.245656	308099.9	6.665558	23.89022
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.766183	-1.05133	663.6583	C.0000000	H859662.4	-3.59096	H3370326.
SDEV	.602742	.02831	21.4543	.0000000	1085.1	.24288	14556.
%RSD	78.66816	2.692300	3.232740	.0000000	.1262277	6.763683	.4318918
#1	-.810393	-1.06767	638.9833	C.0000000	H860845.4	-3.86539	H3386009.
#2	-.142553	-1.01865	677.9064	C.0000000	H858713.3	-3.50380	H3367718.
#3	-1.34560	-1.06767	674.0850	C.0000000	H859428.6	-3.40368	H3357250.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC PASS	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.07753	-.872934	3.684534	4.742593	-1.81298	2.974538	5.979126
SDEV	1.13397	1.855911	.073837	.648722	.57098	3.411662	1.260286
%RSD	54.58262	212.6060	2.003971	13.67864	31.49383	114.6955	21.07809
#1	-.914222	-.760384	3.658768	4.399375	-1.67447	6.754161	6.182495
#2	-2.13869	-2.78256	3.627032	5.490823	-1.32400	2.046636	4.629524
#3	-3.17969	.9241398	3.767802	4.337582	-2.44047	.1228156	7.125361
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	4.241506	3.368050	-4.40323	-7.59634	8.248426	3.077410	2.999977
SDEV	1.151901	1.485571	.49332	6.29417	1.992489	2.970414	1.464345
%RSD	27.15783	44.10774	11.20357	82.85793	24.15599	96.52318	48.81187
#1	3.021756	4.626202	-4.82375	-.496794	10.37054	2.070775	2.345006
#2	5.310765	3.748781	-3.86020	-9.79929	7.957103	.7411192	4.677487
#3	4.391995	1.729167	-4.52575	-12.4929	6.417636	6.420335	1.977438
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	10.24696	-7.83699	3344.489
SDEV	1.17880	.20764	30.139
%RSD	11.50390	2.649432	.9011633
#1	9.278292	-8.02714	3312.400
#2	11.55944	-7.86839	3348.867
#3	9.903144	-7.61544	3372.200
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0051443-MS1 OPERATOR:
RUN TIME: 06/10/10 13:37:57
COMMENT: SDG:1005078 CLIENTID:SDZ-SW03S 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	57.22471	3229.775	1857.739	49.31791	307328.4	53.17823	496.2536
SDEV	.09095	41.342	11.536	.57001	3965.2	.77982	5.5640
%RSD	.1589336	1.280016	.6209474	1.155791	1.290212	1.466420	1.121193
#1	57.12158	3246.023	1845.222	49.52580	309600.9	53.45215	495.2279
#2	57.25908	3182.778	1860.053	48.67313	302749.8	52.29841	491.2738
#3	57.29346	3260.525	1867.942	49.75480	309634.4	53.78412	502.2590
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	190.5582	245.3092	1603.188	C.0000000	H863156.1	491.9131	H3352194.
SDEV	4.5241	.2056	38.841	.0000000	16729.1	8.3213	12132.
%RSD	2.374104	.0838295	2.422711	.0000000	1.938132	1.691611	.3619071
#1	191.0545	245.0913	1597.126	C.0000000	H860831.8	490.4567	H3356174.
#2	185.8065	245.4998	1567.734	C.0000000	H847710.7	484.4162	H3338572.
#3	194.8137	245.3364	1644.703	C.0000000	H880925.8	500.8664	H3361836.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC PASS	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	450.3742	45.99277	507.6543	485.6555	17.37349	13.00817	618.6050
SDEV	4.6593	3.54554	9.4058	5.8646	1.22725	1.19356	7.3700
%RSD	1.034533	7.708902	1.852793	1.207564	7.063932	9.175469	1.191395
#1	447.2367	49.16179	511.5174	485.1316	17.83622	12.45468	612.8070
#2	448.1581	42.16352	496.9320	480.0704	15.98214	12.19184	616.1092
#3	455.7279	46.65300	514.5134	491.7644	18.30210	14.37800	626.8989
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	49.39428	21.51727	15.30110	4.023251	17.49030	1152.807	1266.997
SDEV	2.14996	2.15924	1.22416	3.826614	.57834	13.139	7.662
%RSD	4.352657	10.03489	8.000439	95.11249	3.306659	1.139717	.6047629
#1	47.78686	20.63535	16.43514	1.108516	18.11565	1151.486	1264.794
#2	48.55954	19.93859	14.00331	2.604646	16.97468	1140.378	1260.677
#3	51.83643	23.97788	15.46485	8.356591	17.38057	1166.556	1275.519
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1041.068	1009.265	3366.489
SDEV	9.904	4.843	25.126
%RSD	.9512944	.4798233	.7463490
#1	1039.411	1011.894	3354.133
#2	1032.097	1003.676	3395.400
#3	1051.695	1012.224	3349.933
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0051443-MSD1 OPERATOR:
RUN TIME: 06/10/10 13:45:05
COMMENT: SDG:1005078 CLIENTID:SDZ-SW03SD 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	54.13086	3289.541	1885.536	46.37015	283208.5	49.37893	462.4889
SDEV	.69521	56.590	26.688	.91664	6909.5	.74812	11.4334
%RSD	1.284321	1.720286	1.415392	1.976784	2.439738	1.515067	2.472138
#1	54.92151	3253.441	1854.835	47.38320	290947.3	50.22803	475.4740
#2	53.85585	3260.421	1903.199	45.59807	277658.3	48.81670	458.0608
#3	53.61521	3354.760	1898.573	46.12918	281019.8	49.09205	453.9318
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	179.8111	244.7535	1539.584	C.0000000	H821521.6	467.4406	H3395632.
SDEV	5.4834	.2554	31.016	.0000000	16663.2	10.5734	23935.
%RSD	3.049513	.1043658	2.014559	.0000000	2.028336	2.261980	.7048823
#1	186.0302	245.0259	1574.406	C.0000000	H840458.8	478.7704	H3378462.
#2	175.6723	244.5193	1529.421	C.0000000	H809103.5	465.7158	H3385461.
#3	177.7309	244.7154	1514.924	C.0000000	H815002.5	457.8356	H3422973.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC PASS	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	422.3510	46.73271	483.7089	435.4851	18.09899	12.68904	611.1975
SDEV	7.0457	.18942	12.6169	15.5387	1.39089	4.72846	1.5052
%RSD	1.668212	.4053363	2.608370	3.568138	7.684929	37.26410	.2462759
#1	430.4472	46.92548	494.8632	453.3138	19.10658	16.55854	609.4642
#2	417.6103	46.54682	470.0155	428.3191	18.67832	14.09024	611.9518
#3	418.9953	46.72584	486.2478	424.8225	16.51207	7.418343	612.1763
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	49.99082	19.02295	17.63262	.6914722	18.67503	1100.255	1265.439
SDEV	1.87994	1.56095	1.59393	6.494917	4.60229	11.298	13.052
%RSD	3.760580	8.205607	9.039644	939.2882	24.64406	1.026888	1.031414
#1	49.70492	20.80231	18.25625	7.958344	20.84845	1112.550	1254.273
#2	48.27020	18.38221	18.82045	-1.33623	21.78811	1090.330	1262.256
#3	51.99733	17.88434	15.82117	-4.54770	13.38853	1097.884	1279.788
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	995.8231	977.9889	3191.044
SDEV	9.5219	13.1764	53.072
%RSD	.9561812	1.347291	1.663145
#1	1006.091	984.7197	3244.533
#2	994.0952	962.8066	3190.200
#3	987.2834	986.4404	3138.400
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: SDI1005078-01 OPERATOR:
RUN TIME: 06/10/10 13:52:14
COMMENT: SDG:1005078 CLIENTID:SDZ-SW03L 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1031282	136.2394	2.528065	1.392397	61164.62	1.607902	5.512887
SDEV	.2533900	2.0120	.055139	.168237	899.54	.121582	.479072
%RSD	245.7039	1.476777	2.181095	12.08252	1.470693	7.561513	8.690043
#1	-.183339	137.3889	2.577815	1.585956	60202.65	1.470069	5.021977
#2	.1947977	137.4131	2.537598	1.281304	61984.93	1.653714	5.979172
#3	.2979259	133.9163	2.468780	1.309931	61306.28	1.699922	5.537513
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.29416	-.980518	L-185.755	87871.33	186632.9	-1.67941	H1253798.
SDEV	.34738	.317023	15.025	996.24	2098.3	.01936	3182.
%RSD	26.84233	32.33218	8.088479	1.133746	1.124271	1.152896	.2537532
#1	-1.64251	-1.34549	L-202.526	88893.37	184868.1	-1.67329	H1255339.
#2	-1.29220	-.773520	L-173.525	87817.54	188952.9	-1.70109	H1255915.
#3	-.947758	-.822545	L-181.213	86903.07	186077.5	-1.66384	H1250139.
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.27695	4.133088	.6348504	1.375840	-2.38598	.6451682	2.225908
SDEV	.52405	3.443037	.2316986	.498008	2.20062	1.936812	.758168
%RSD	23.01529	83.30423	36.49656	36.19668	92.23142	300.2027	34.06109
#1	-2.81376	8.080375	.5899764	.9758351	-.749037	2.262975	2.123166
#2	-2.25042	2.570166	.8857036	1.218058	-1.52128	1.173526	1.524350
#3	-1.76667	1.748721	.4288712	1.933626	L-4.88762	-1.50100	3.030208
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.9245186	3.202126	-5.17894	.6482382	.6405364	1.411841	.2046499
SDEV	.1948768	5.186441	1.62997	3.450701	1.384127	3.788582	1.144633
%RSD	21.07873	161.9687	31.47297	532.3199	216.0888	268.3434	559.3127
#1	.8052638	8.799797	-5.51942	4.256746	1.264458	1.580720	1.113285
#2	.8188865	2.246855	-3.40562	.3073167	1.602879	5.113159	.5815793
#3	1.149406	-1.44027	-6.61177	-2.61935	-.945728	-2.45836	-1.08091
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	3.846312	-1.32701	3900.133
SDEV	.422341	.10856	36.590
%RSD	10.98042	8.180437	.9381742
#1	4.105657	-1.44827	3865.400
#2	4.074308	-1.23887	3896.666
#3	3.358970	-1.29389	3938.333
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0051443-PS1 OPERATOR:
RUN TIME: 06/10/10 13:59:23
COMMENT: SDG:1005078 CLIENTID:SDZ-SW03A 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	19.49123	1018.806	348.4410	10.03642	310059.1	14.50093	108.0324
SDEV	.37866	12.382	3.2538	.15501	2106.8	.26383	.8631
%RSD	1.942705	1.215364	.9338234	1.544427	.6794869	1.819402	.7989303
#1	19.10164	1031.647	348.8730	10.21173	310025.4	14.64845	109.0261
#2	19.51415	1017.832	351.4572	9.979972	307969.2	14.19633	107.6009
#3	19.85791	1006.940	344.9927	9.917542	312182.5	14.65800	107.4701
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	17.41555	43.38791	828.1632	C.0000000	H866403.6	20.82872	H3386592.
SDEV	.51473	.18941	10.2459	.0000000	3080.5	.25407	1979.
%RSD	2.955597	.4365459	1.237184	.0000000	.3555548	1.219826	.0584491
#1	17.57451	43.17001	817.6179	C.0000000	H868897.4	20.53625	H3388877.
#2	16.84008	43.48051	838.0808	C.0000000	H862960.0	20.99495	H3385405.
#3	17.83205	43.51319	828.7909	C.0000000	H867353.2	20.95496	H3385494.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC PASS	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	65.25748	16.53118	93.72008	39.02702	5.769987	13.04609	141.2568
SDEV	.78314	1.14457	1.22893	.41216	1.507324	1.23263	1.9284
%RSD	1.200075	6.923689	1.311272	1.056101	26.12352	9.448256	1.365155
#1	64.40360	17.44642	94.35692	38.78914	6.578115	12.46862	143.4591
#2	65.94225	15.24786	92.30344	39.50294	4.030924	12.20821	140.4403
#3	65.42657	16.89926	94.49987	38.78897	6.700921	14.46145	139.8710
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	25.62177	9.541446	3.883019	3.480984	17.81786	2.403869	-.268427
SDEV	2.11842	3.634761	.893026	6.202212	1.25787	1.829292	1.737677
%RSD	8.268061	38.09444	22.99825	178.1741	7.059604	76.09782	647.3556
#1	26.38638	9.952882	4.889161	.1602980	18.60991	.5291148	1.730893
#2	23.22719	5.718474	3.184359	-.353872	18.47622	2.498465	-1.41492
#3	27.25174	12.95298	3.575538	10.63653	16.36745	4.184029	-1.12126
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	9.323039	-7.47561	3353.800
SDEV	.091700	.16883	25.723
%RSD	.9835818	2.258385	.7669814
#1	9.243257	-7.67050	3325.133
#2	9.302641	-7.38209	3361.400
#3	9.423221	-7.37424	3374.867
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005078-02 OPERATOR:
RUN TIME: 06/10/10 14:06:31
COMMENT: SDG:1005078 CLIENTID:SDZ-WN12 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.206256	179.7672	12.36769	1.077714	477545.7	8.874674	33.96664
SDEV	.173022	2.5098	.13621	.172246	3896.5	.519240	.29478
%RSD	83.88705	1.396146	1.101348	15.98249	.8159434	5.850811	.8678584
#1	-.183339	178.5804	12.47668	1.248245	473075.0	9.449690	33.68456
#2	-.045835	178.0709	12.21499	.9038034	480219.9	8.734232	34.27266
#3	-.389596	182.6503	12.41141	1.081095	479342.1	8.440101	33.94270
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.139867	-.860677	594.1243	C.0000000	H1201797.	83.63281	H4048988.
SDEV	.783471	.077229	12.1893	.0000000	15611.	.72718	9755.
%RSD	560.1547	8.973099	2.051642	.0000000	1.298956	.8694960	.2409125
#1	-.944776	-.773520	585.5873	C.0000000	H1190161.	83.38618	H4055748.
#2	-.095071	-.920598	588.7016	C.0000000	H1195692.	83.06100	H4037805.
#3	.6202451	-.887914	608.0840	C.0000000	H1219537.	84.45122	H4053410.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC PASS	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.14425	-1.06187	1.524869	2.674986	-.391730	-.117443	4.000628
SDEV	.56823	.88060	.382070	.347368	.173141	2.844199	1.381163
%RSD	49.66014	82.92852	25.05594	12.98577	44.19916	2421.768	34.52366
#1	-1.62793	-1.54936	1.098939	2.479569	-.298366	1.990801	3.756065
#2	-.518441	-1.59093	1.638261	2.469340	-.285310	-3.35238	2.758082
#3	-1.28637	-.045332	1.837408	3.076048	-.591515	1.009249	5.487737
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.196085	3.607407	-2.39214	-9.21252	4.419435	.5405105	.2326219
SDEV	1.825824	2.397352	1.03747	4.58110	2.461289	.8463020	1.573793
%RSD	152.6500	66.45637	43.37010	49.72689	55.69238	156.5745	676.5454
#1	-.873533	2.697335	-1.79783	-8.04186	6.995753	1.438681	.3471614
#2	1.882835	6.326536	-3.59010	-14.2654	2.092103	-.242033	1.746015
#3	2.578953	1.798348	-1.78850	-5.33034	4.170449	.4248844	-1.39531
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	10.86053	-21.9375	3158.644
SDEV	.44927	.1454	11.821
%RSD	4.136715	.6626798	.3742509
#1	10.61756	-21.8433	3147.533
#2	11.37896	-21.8644	3171.066
#3	10.58507	-22.1050	3157.333
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005078-03 OPERATOR:
RUN TIME: 06/10/10 14:13:40
COMMENT: SDG:1005078 CLIENTID:SDZ-WN15 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.000000	656.6354	18.20999	1.289293	555848.4	10.20196	37.08125
SDEV	.039694	5.7038	.15091	.237881	8848.2	.19531	.22152
%RSD	1066E6	.8686336	.8287017	18.45050	1.591842	1.914402	.5973937
#1	.0229174	657.1573	18.05494	1.236710	560618.2	10.40134	36.96697
#2	.0229174	650.6887	18.21866	1.549066	545638.6	10.01101	36.94019
#3	-.045835	662.0603	18.35638	1.082103	561288.2	10.19352	37.33657
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.9088054	-1.89567	1514.390	C.0000000	H1273674.	139.8652	H4324902.
SDEV	.8794010	.34525	24.125	.0000000	11501.	1.7459	9602.
%RSD	96.76450	18.21259	1.593081	.0000000	.9030000	1.248294	.2220148
#1	.2597026	-1.72135	1493.765	C.0000000	H1266498.	140.2160	H4329426.
#2	.5570838	-2.29332	1508.486	C.0000000	H1267584.	137.9705	H4313874.
#3	1.909630	-1.67233	1540.920	C.0000000	H1286940.	141.4091	H4331408.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC PASS	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0459652	-2.20451	2.934442	5.724453	.7174506	-.252156	5.308534
SDEV	1.229662	2.92780	.231029	.552835	1.706987	2.429092	2.686109
%RSD	2675.200	132.8097	7.872998	9.657426	237.9240	963.3297	50.59983
#1	-.707575	.4381201	2.802504	6.047065	.7159665	-.011411	4.508395
#2	-.619474	-5.35185	2.799617	5.086107	2.425179	-2.79266	3.113412
#3	1.464945	-1.69979	3.201206	6.040189	-.988794	2.047600	8.303794
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.670976	1.757993	.1939021	-9.42330	4.322482	3.895847	-.435041
SDEV	2.275424	3.795918	1.443343	4.01884	4.369995	3.220948	1.764215
%RSD	136.1734	215.9234	744.3669	42.64793	101.0992	82.67644	405.5279
#1	1.023654	4.195445	-1.02523	-4.88468	2.417508	6.807196	-2.04469
#2	-.210649	3.694122	1.787606	-10.8549	1.228345	4.444554	1.451089
#3	4.199922	-2.61559	-.180672	-12.5304	9.321592	.4357922	-.711521
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	5.648434	-18.4931	2992.666
SDEV	1.352296	.5326	4.022
%RSD	23.94108	2.880170	.1343833
#1	7.082024	-17.9646	2988.200
#2	4.395618	-19.0298	2996.000
#3	5.467660	-18.4851	2993.800
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005078-04 OPERATOR:
RUN TIME: 06/10/10 14:20:49
COMMENT: SDG:1005078 CLIENTID:SDZ-WN13 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1489630	80.91323	10.61235	2.261488	394933.8	8.920777	32.03064
SDEV	.0198470	10.61442	.50655	.374640	23931.8	.667110	2.00342
%RSD	13.32347	13.11827	4.773235	16.56607	6.059699	7.478166	6.254698
#1	.1260456	71.31429	10.02841	2.000006	367922.2	8.173364	29.73388
#2	.1604217	92.31279	10.87508	2.690684	403388.6	9.455934	32.93953
#3	.1604217	79.11262	10.93356	2.093775	413490.4	9.133033	33.41851
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.15199	-2.54935	734.0821	C.0000000	H1148063.	L-23.5577	H4184560.
SDEV	.32324	.10633	46.0471	.0000000	57828.	1.2617	83936.
%RSD	28.05949	4.170779	6.272750	.0000000	5.037042	5.355933	2.005859
#1	-1.24792	-2.65285	685.9983	C.0000000	H1081475.	L-22.1048	H4088663.
#2	-1.41641	-2.55479	738.4696	C.0000000	H1177033.	L-24.3772	H4244678.
#3	-.791641	-2.44040	777.7786	C.0000000	H1185680.	L-24.1912	H4220340.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC LOW	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.91599	-.520118	2.121815	2.367761	-2.66881	1.116038	5.239391
SDEV	1.67964	3.028538	.833849	1.008748	1.22099	1.227773	2.873074
%RSD	87.66436	582.2789	39.29886	42.60347	45.75032	110.0118	54.83604
#1	.0154335	-2.39431	1.212049	3.518831	-1.44082	2.491262	6.062051
#2	-3.03465	-2.13989	2.303662	1.637788	L-3.88268	.1301045	2.044722
#3	-2.72875	2.973851	2.849734	1.946664	-2.68294	.7267474	7.611401
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.450535	4.769617	-6.38660	-7.14347	5.235447	5.787265	.3194319
SDEV	.840385	4.989501	4.27607	3.83733	3.683166	.888476	3.040890
%RSD	57.93621	104.6101	66.95378	53.71794	70.35055	15.35225	951.9682
#1	1.660761	.7880933	-2.55768	-10.6932	9.069523	6.580335	-2.88272
#2	.5249950	10.36672	-11.0009	-3.07193	1.724480	5.954351	3.168182
#3	2.165849	3.154034	-5.60119	-7.66531	4.912339	4.827109	.6728309
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	12.80256	-22.5228	2919.644
SDEV	2.57491	1.1079	58.316
%RSD	20.11246	4.919142	1.997371
#1	10.50333	-21.2641	2974.600
#2	15.58475	-23.3504	2858.467
#3	12.31959	-22.9539	2925.867
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005078-05 OPERATOR:
RUN TIME: 06/10/10 14:27:58
COMMENT: SDG:1005078 CLIENTID:EB-051010-SD 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.045835	19.63914	.0536143	.2964040	467.8170	-.434460	-1.57679
SDEV	.157531	5.43324	.0049931	.1445379	1.9017	.263923	.21227
%RSD	343.6932	27.66536	9.313035	48.76382	.4064996	60.74749	13.46210
#1	-.183339	21.48848	.0533742	.3204087	468.9476	-.143535	-1.55294
#2	-.080211	23.90629	.0587232	.4274367	465.6215	-.658521	-1.37745
#3	.1260456	13.52265	.0487456	.1413665	468.8819	-.501323	-1.79997
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.305850	-.332286	11.60346	L-1418.65	31.05832	.2227422	400.5762
SDEV	.388605	.380104	5.27351	2.21	.90555	.0029438	29.4480
%RSD	127.0574	114.3905	45.44778	.1558630	2.915628	1.321602	7.351410
#1	.1256647	-.266918	16.49766	L-1419.52	31.49823	.2260890	385.0299
#2	-.628192	-.740835	6.018676	L-1416.14	31.65987	.2205542	382.1593
#3	-.415023	.0108944	12.29405	L-1420.29	30.01686	.2215833	434.5394
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.49942	-2.74488	.0109481	10.19719	1.193350	.0740887	6.959205
SDEV	.36639	1.41602	.2345364	.58820	1.369289	1.254952	1.233277
%RSD	24.43531	51.58766	2142.253	5.768220	114.7433	1693.849	17.72152
#1	-1.39037	-4.37904	-.121884	10.02156	1.265397	-1.16951	8.339560
#2	-1.19993	-1.88042	.2817511	9.716822	-.210540	.0516879	6.572238
#3	-1.90794	-1.97517	-.127023	10.85320	2.525193	1.340091	5.965816
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1096768	7.055865	-1.73640	-9.89776	5.049655	.3203877	-2.21984
SDEV	1.497224	3.306936	.62802	2.02919	.928304	.5858797	1.38890
%RSD	1365.124	46.86790	36.16791	20.50146	18.38350	182.8659	62.56747
#1	1.549787	8.215150	-2.20717	-11.5681	4.019099	.2635542	-.639245
#2	-1.43878	3.325371	-1.97872	-10.4856	5.309563	.9326130	-3.24535
#3	.2180188	9.627075	-1.02332	-7.63955	5.820303	-.235004	-2.77492
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.4626145	-.118603	4185.777
SDEV	.5265855	.064876	20.209
%RSD	113.8281	54.70017	.4827932
#1	-.127842	-.048391	4162.866
#2	.8835919	-.131090	4201.066
#3	.6320939	-.176327	4193.400
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005078-06 OPERATOR:
RUN TIME: 06/10/10 14:35:06
COMMENT: SDG:1005078 CLIENTID:SDZ-FB-051010 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0229174	19.00955	-.034944	.1105771	395.5262	-.291449	-.457462
SDEV	.2062565	3.68491	.065527	.0667677	.7053	.146740	.167432
%RSD	900.0003	19.38450	187.5189	60.38113	.1783311	50.34848	36.60023
#1	.2291738	18.08025	-.107674	.1812515	395.1619	-.273790	-.551406
#2	-.183339	23.07015	-.016653	.1019190	395.0776	-.154338	-.264153
#3	.0229174	15.87825	.0194940	.0485609	396.3392	-.446220	-.556826
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.090932	-.719047	8.026243	L-1419.51	22.51874	-.000606	329.5478
SDEV	.257596	.082253	2.018763	.86	1.76618	.100255	24.8282
%RSD	283.2831	11.43915	25.15204	.0606426	7.843169	16533.76	7.534012
#1	-.329755	-.708152	10.04827	L-1419.78	22.99863	-.000004	302.8798
#2	-.125072	-.806204	6.010757	L-1420.20	23.99539	.0993459	333.7687
#3	.1820311	-.642784	8.019705	L-1418.54	20.56221	-.101161	351.9950
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.86109	-2.24682	.1220181	2.275757	1.927887	.7275505	7.721212
SDEV	.44870	2.39774	.3495075	.215218	1.486657	1.639021	1.104509
%RSD	24.10976	106.7168	286.4389	9.456993	77.11330	225.2793	14.30487
#1	-1.34425	-.870820	-.141695	2.277799	.6237697	1.442728	8.454919
#2	-2.15103	-.854173	-.010695	2.059525	3.546697	-1.14753	8.257795
#3	-2.08798	-5.01547	.5184442	2.489947	1.613194	1.887453	6.450923
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.04742	9.061238	-1.63622	-7.94172	5.052915	.7754433	-1.18052
SDEV	1.03492	1.712890	1.89547	2.21938	1.422237	1.894230	1.41372
%RSD	50.54738	18.90349	115.8448	27.94579	28.14686	244.2770	119.7539
#1	-1.46920	9.303002	-3.71212	-7.64984	5.979418	2.642847	-1.93928
#2	-1.43082	10.64040	.0023874	-10.2926	3.415376	.8280026	-2.05287
#3	-3.24223	7.240310	-1.19892	-5.88273	5.763950	-1.14452	.4505852
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.264025	.0010924	4350.466
SDEV	.576526	.0486791	7.567
%RSD	45.61035	4456.174	.1739324
#1	1.468793	-.045765	4342.933
#2	1.710216	-.002367	4350.400
#3	.6130652	.0514087	4358.066
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV1 OPERATOR:
RUN TIME: 06/10/10 14:42:15
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	98.88851	46759.10	916.7980	986.3121	48122.47	960.4230	969.0490
SDEV	.29371	321.58	6.7796	1.7688	23.35	3.7963	6.1622
%RSD	.2970087	.6877291	.7394914	.1793350	.0485162	.3952736	.6358995
#1	99.16351	46422.01	909.5976	984.3348	48097.05	961.8079	970.3077
#2	98.57912	46792.79	923.0589	986.8574	48127.40	963.3325	974.4847
#3	98.92289	47062.51	917.7374	987.7440	48142.96	956.1287	962.3547
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	929.0041	978.3333	23856.62	53371.96	49290.81	954.6542	49788.22
SDEV	10.8075	1.4948	157.70	190.31	240.94	4.2240	317.51
%RSD	1.163339	.1527868	.6610294	.3565677	.4888032	.4424629	.6377174
#1	932.9784	979.9075	24014.41	53180.91	49537.46	957.1206	49429.56
#2	916.7722	976.9333	23699.01	53561.51	49056.04	949.7769	49901.77
#3	937.2617	978.1589	23856.45	53373.45	49278.91	957.0652	50033.35
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	967.3743	999.2973	947.2165	1126.657	974.9613	1010.828	1015.277
SDEV	5.2065	9.7576	5.1282	8.915	2.4415	4.210	4.209
%RSD	.5382113	.9764502	.5413958	.7912875	.2504169	.4164729	.4145584
#1	971.0247	988.5702	947.2317	1135.884	973.9668	1012.937	1015.732
#2	969.6859	1007.646	942.0808	1125.995	977.7430	1013.567	1010.860
#3	961.4122	1001.676	952.3372	1118.091	973.1740	1005.981	1019.240
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1006.167	966.0612	979.4017	1018.464	1007.013	1039.009	991.8219
SDEV	2.198	5.8890	3.7262	8.590	4.859	2.099	1.4703
%RSD	.2184942	.6095934	.3804582	.8434239	.4824743	.2020326	.1482465
#1	1008.623	971.0405	975.4249	1028.086	1005.371	1040.458	991.6540
#2	1005.491	967.5822	982.8126	1015.738	1012.480	1039.967	993.3690
#3	1004.385	959.5608	979.9676	1011.568	1003.188	1036.601	990.4427
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	983.0237	973.9506	4268.044
SDEV	1.4487	7.1689	13.320
%RSD	.1473714	.7360609	.3120900
#1	984.0488	967.3350	4281.999
#2	983.6560	972.9494	4255.466
#3	981.3663	981.5674	4266.667
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB1 OPERATOR:
RUN TIME: 06/10/10 14:49:24
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0916695	29.81563	.2043262	.7674806	385.6337	.0053436	.0635220
SDEV	.1786233	10.96950	.1875959	.2960842	9.4592	.2557569	.1286977
%RSD	194.8557	36.79110	91.81196	38.57872	2.452894	4786.266	202.6035
#1	-.011459	17.14915	-.003633	.4367179	374.7169	-.250770	-.078276
#2	-.011459	36.13647	.2557990	.8579428	390.7836	.2607424	.1729324
#3	.2979259	36.16126	.3608126	1.007781	391.4004	.0060582	.0959093
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.8912084	-.196104	3.861556	-1414.39	25.01877	.5259802	101.2936
SDEV	.9056737	.098504	6.240035	14.59	12.15246	.1061848	22.0937
%RSD	101.6231	50.23071	161.5938	1.031842	48.57338	20.18799	21.81155
#1	1.936052	-.103500	10.07212	-1430.50	11.21707	.6387447	104.0106
#2	.3304308	-.185210	-2.40754	-1410.64	29.72480	.4279045	77.96699
#3	.4071423	-.299603	3.920082	-1402.04	34.11443	.5112916	121.9031
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.333881	3.941994	.2762996	1.198300	-.358141	-1.17370	.2061601
SDEV	1.451494	2.501875	.3506702	.441077	1.259970	1.42491	1.387347
%RSD	108.8174	63.46725	126.9166	36.80859	351.8088	121.4030	672.9464
#1	2.927087	2.955847	-.123089	1.204799	-1.78274	-1.82638	1.748123
#2	.0866043	2.083469	.4182318	.7540094	.0983983	-2.15537	-.188666
#3	.9879518	6.786666	.5337554	1.636092	.6099194	.4606408	-.940978
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.04160	3.789557	-2.43174	.1013500	-1.81313	1.473977	-1.64391
SDEV	.26681	3.136396	.84842	5.024239	.93665	1.547133	1.64141
%RSD	25.61499	82.76421	34.88943	4957.316	51.65948	104.9632	99.84807
#1	-.790107	.9387285	-3.14432	-3.98453	-.751805	-.031473	-1.47416
#2	-1.01324	3.280658	-1.49322	-1.42253	-2.52410	1.393732	-3.36359
#3	-1.32145	7.149283	-2.65767	5.711106	-2.16347	3.059670	-.093966
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.931756	.1828376	4226.489
SDEV	1.115343	.1490298	57.058
%RSD	57.73723	81.50940	1.349999
#1	3.163778	.3409407	4187.667
#2	1.640678	.0449435	4199.800
#3	.9908133	.1626287	4291.999
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005078-07 OPERATOR:
RUN TIME: 06/10/10 14:56:33
COMMENT: SDG:1005078 CLIENTID:SDZ-WN14 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.034376	1662.436	13.54711	1.370225	488244.0	9.359256	34.40741
SDEV	.218317	6.572	.03449	.299532	4450.2	.250621	.09682
%RSD	635.0853	.3953308	.2545733	21.86008	.9114625	2.677791	.2813843
#1	.0916695	1668.588	13.50738	1.695781	483110.4	9.549077	34.49932
#2	-.286467	1655.512	13.56465	1.106304	490613.5	9.453519	34.30634
#3	.0916695	1663.208	13.56931	1.308592	491008.0	9.075171	34.41658
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	5.918634	-1.50891	2418.749	C.0000000	H1180124.	34.35649	H4011095.
SDEV	.523493	.23053	29.704	.0000000	10233.	.50694	8769.
%RSD	8.844834	15.27807	1.228057	.0000000	.8671359	1.475515	.2186142
#1	5.449539	-1.29646	2385.794	C.0000000	H1170612.	33.80743	H4018914.
#2	6.483345	-1.47622	2426.993	C.0000000	H1178808.	34.45529	H4001614.
#3	5.823017	-1.75404	2443.460	C.0000000	H1190952.	34.80676	H4012757.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC PASS	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.77388	-2.00817	5.867075	10.58533	-.516860	.9304066	4.705865
SDEV	.69217	3.50153	.253891	.17868	.826881	1.756151	2.744935
%RSD	39.02012	174.3640	4.327392	1.687956	159.9815	188.7509	58.33008
#1	-1.45945	-2.48609	5.837501	10.55437	-.705078	.5206242	1.549721
#2	-1.29473	1.707767	6.134459	10.42415	.3879041	2.855218	6.536396
#3	-2.56745	-5.24619	5.629266	10.77746	-1.23341	-.584623	6.031478
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	4.148328	3.788000	-2.66987	-5.06678	3.920694	3.526811	-1.96579
SDEV	.551111	2.887698	2.65681	4.03081	4.633438	2.879785	1.26408
%RSD	13.28513	76.23279	99.51092	79.55379	118.1790	81.65407	64.30380
#1	4.721389	3.543521	-2.83003	-4.79154	3.168887	6.187272	-.608343
#2	3.622165	1.030314	.0633975	-9.22815	8.884063	.4689750	-3.10916
#3	4.101430	6.790166	-5.24298	-1.18064	-.290868	3.924186	-2.17986
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	3.916274	-1.50570	3186.844
SDEV	.434662	.20835	21.932
%RSD	11.09886	13.83765	.6882101
#1	4.335511	-1.32029	3164.000
#2	3.945635	-1.46563	3207.733
#3	3.467677	-1.73117	3188.800
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005078-08 OPERATOR:
RUN TIME: 06/10/10 15:04:18
COMMENT: SDG:1005078 CLIENTID:SDZ-WN11 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0114587	1623.066	16.81781	1.877205	505691.2	9.002144	33.96329
SDEV	.2486826	8.457	.02054	.249340	1371.4	.424403	.87709
%RSD	2170.255	.5210444	.1221544	13.28254	.2711864	4.714469	2.582464
#1	.2979259	1632.806	16.84108	2.164106	504124.7	9.444782	33.78962
#2	-.148963	1617.583	16.81016	1.754642	506273.6	8.598694	34.91423
#3	-.114587	1618.810	16.80219	1.712866	506675.1	8.962955	33.18603
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.836583	-1.29102	1680.927	C.0000000	H1143044.	137.0427	H4080579.
SDEV	.091632	.06605	20.041	.0000000	14453.	2.3191	3991.
%RSD	4.989272	5.115759	1.192263	.0000000	1.264389	1.692247	.0978099
#1	1.904946	-1.36183	1693.440	C.0000000	H1155630.	138.1005	H4083318.
#2	1.732464	-1.23109	1691.529	C.0000000	H1146242.	138.6443	H4076000.
#3	1.872340	-1.28012	1657.812	C.0000000	H1127261.	134.3833	H4082419.
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC PASS	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4461319	.2193562	5.260702	8.708747	-.932358	3.127918	6.327583
SDEV	.6312532	2.457104	.404584	1.225462	.731265	.570045	1.838870
%RSD	141.4948	1120.143	7.690693	14.07163	78.43179	18.22443	29.06118
#1	.4607280	2.830219	5.169096	7.605240	-1.76440	2.471134	6.553113
#2	1.069961	-2.04780	5.703235	8.493386	-.640955	3.418519	4.386350
#3	-.192293	-.124354	4.909775	10.02761	-.391720	3.494100	8.043286
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.142584	1.942151	-2.37148	-4.98208	7.172815	3.655298	1.755208
SDEV	2.820691	.954746	1.53268	.99609	.431058	2.012758	.420978
%RSD	246.8695	49.15924	64.62984	19.99344	6.009603	55.06414	23.98450
#1	-1.53101	2.809037	-4.05173	-6.07900	6.735744	3.096144	1.280016
#2	4.090349	2.098557	-2.01267	-4.13400	7.185104	1.981235	2.081501
#3	.8684128	.9188584	-1.05003	-4.73323	7.597597	5.888514	1.904105
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	3.654053	-1.18818	3018.333
SDEV	1.087560	.24866	17.267
%RSD	29.76313	20.92799	.5720569
#1	3.323420	-1.29388	2999.333
#2	2.770179	-1.36653	3022.600
#3	4.868559	-.904128	3033.066
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: IBL OPERATOR:
RUN TIME: 06/10/10 15:12:11
COMMENT: SDG: CLIENTID: 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.126046	8.897152	-.097837	.3131398	392.6490	-.442061	-.830529
SDEV	.370773	3.866461	.046970	.0518884	1.8544	.047420	.227509
%RSD	294.1580	43.45729	48.00786	16.57036	.4722749	10.72693	27.39323
#1	-.389596	12.94740	-.107746	.3682909	391.3463	-.449170	-.597881
#2	.2979259	8.498727	-.046704	.2652869	394.7720	-.391489	-.841180
#3	-.286467	5.245330	-.139062	.3058415	391.8285	-.485526	-1.05252
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.737916	1.476223	-5.64390	L-1423.67	25.34923	-.025006	167.2284
SDEV	.279499	1.109129	1.17545	3.71	6.13545	.058834	67.7118
%RSD	37.87687	75.13284	20.82690	.2609062	24.20367	235.2803	40.49064
#1	-.524407	2.740002	-6.43748	L-1426.69	20.07241	.0116463	90.60653
#2	-1.05427	1.024096	-4.29351	L-1419.52	32.08155	-.092869	219.0194
#3	-.635074	.6645728	-6.20072	L-1424.80	23.89375	.0062047	192.0592
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.9407051	4.763740	.0446005	4.453075	.2112894	-1.26172	-.260513
SDEV	2.090829	2.448344	.2858292	.482552	1.596229	1.23549	.979826
%RSD	222.2619	51.39543	640.8653	10.83638	755.4701	97.92115	376.1146
#1	3.271036	4.562362	.2742693	4.991103	-.463093	-.406407	.4750940
#2	.3221035	2.422303	.1350404	4.309565	-.937067	-.700553	.1161442
#3	-.771025	7.306553	-.275508	4.058558	2.034028	-2.67819	-1.37278
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.475372	3.193577	-1.28046	-1.10887	-1.34087	-1.73763	-.426714
SDEV	.741810	2.973648	.90890	1.36662	1.72730	2.00579	.883562
%RSD	50.27949	93.11337	70.98212	123.2446	128.8188	115.4322	207.0618
#1	.6203941	1.978939	-1.68514	.4105664	-.817141	-3.21625	-1.24116
#2	1.948036	1.019518	-1.91674	-2.23755	.0639435	-2.54217	.5126668
#3	1.857687	6.582276	-.239509	-1.49961	-3.26942	.5455203	-.551652
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.3775578	.0935884	4244.578
SDEV	.3746617	.0265654	28.149
%RSD	99.23296	28.38540	.6631678
#1	.3777618	.1240120	4221.667
#2	.7521175	.0817713	4236.066
#3	.0027940	.0749818	4275.999
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV OPERATOR:
RUN TIME: 06/10/10 15:19:20
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	98.47599	47053.22	916.6894	995.9615	48356.86	966.3083	971.3697
SDEV	.64220	608.56	15.7323	4.7902	252.71	6.3933	8.4670
%RSD	.6521352	1.293335	1.716212	.4809643	.5226024	.6616168	.8716595
#1	99.16351	46373.59	899.8876	990.5678	48118.89	959.0201	961.8110
#2	98.37286	47238.40	919.1085	999.7200	48622.11	970.9701	974.3704
#3	97.89160	47547.68	931.0721	997.5969	48329.58	968.9347	977.9277
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	943.5908	981.9611	24124.23	53981.50	49758.55	960.9897	50082.54
SDEV	11.7576	2.8169	221.89	1090.41	634.91	10.7232	851.38
%RSD	1.246046	.2868651	.9197635	2.019975	1.275980	1.115847	1.699948
#1	930.0457	985.2023	23868.11	52779.28	49025.43	948.9402	49109.61
#2	949.5634	980.5775	24246.41	54258.56	50123.04	964.5455	50446.90
#3	951.1631	980.1036	24258.17	54906.65	50127.19	969.4832	50691.10
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	968.6567	1013.590	968.0369	1131.126	976.7615	1024.624	1020.484
SDEV	6.3003	15.730	11.4995	4.824	5.6535	12.481	9.554
%RSD	.6504130	1.551885	1.187915	.4264979	.5788008	1.218146	.9362608
#1	961.4201	995.5278	955.4786	1135.104	971.5185	1010.581	1010.548
#2	972.9205	1020.963	978.0517	1132.514	982.7513	1028.841	1021.298
#3	971.6297	1024.278	970.5803	1125.759	976.0148	1034.451	1029.605
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1020.593	973.9984	978.1379	1040.077	1016.907	1046.970	1004.703
SDEV	10.710	4.4985	6.6644	20.047	11.582	2.784	13.442
%RSD	1.049379	.4618604	.6813344	1.927406	1.138946	.2659159	1.337949
#1	1010.306	972.0558	971.2471	1023.826	1003.965	1044.129	990.3976
#2	1019.792	979.1418	984.5501	1033.927	1026.299	1047.086	1006.638
#3	1031.681	970.7976	978.6165	1062.478	1020.456	1049.694	1017.073
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	985.2469	984.2816	4237.977
SDEV	6.3544	10.9982	75.018
%RSD	.6449515	1.117379	1.770145
#1	977.9126	971.7729	4322.267
#2	989.0964	992.4357	4213.133
#3	988.7319	988.6362	4178.533
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB OPERATOR:
RUN TIME: 06/10/10 15:26:30
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.171880	18.06527	.0937146	.3265561	380.3346	.2631278	1.047952
SDEV	.296379	13.52416	.1552503	.3230865	8.7974	.2801502	.249010
%RSD	172.4336	74.86274	165.6628	98.93752	2.313056	106.4693	23.76161
#1	-.492724	4.650447	-.033913	.0591727	371.0743	.2629814	.8313409
#2	-.114587	31.69617	.2665514	.6855575	388.5812	.5433512	1.320013
#3	.0916695	17.84920	.0485059	.2349381	381.3481	-.016949	.9925020
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0399782	-.359523	5.890694	-1414.02	22.38299	.1311872	156.2747
SDEV	1.687751	.343311	19.66555	16.18	13.86037	.2073402	70.3584
%RSD	4221.679	95.49056	333.8410	1.144529	61.92368	158.0491	45.02224
#1	-1.66744	-.708152	-10.0749	-1427.28	6.928718	-.100701	95.99544
#2	.0800337	-.348628	-.110689	-1395.99	33.71346	.2987156	233.5853
#3	1.707345	-.021790	27.85771	-1418.81	26.50678	.1955467	139.2432
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.439990	5.157386	-.232122	2.125774	-.002873	-.557967	2.555384
SDEV	.548247	.759371	.538842	1.432537	1.225062	1.587301	1.771588
%RSD	124.6042	14.72395	232.1377	67.38897	42645.84	284.4794	69.32764
#1	-.726565	4.281110	-.812468	1.191871	.2195907	-1.71267	1.209953
#2	-.785559	5.568150	.2523439	1.410342	-1.32392	-1.21330	1.893603
#3	.1921533	5.622898	-.136241	3.775109	1.095713	1.252072	4.562598
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.376097	-1.73795	.8605956	-3.00773	.6623101	.8903120	-1.14223
SDEV	2.059979	5.96340	4.339113	3.82168	4.274822	1.416837	.97317
%RSD	149.6973	343.1289	504.1988	127.0619	645.4413	159.1394	85.19897
#1	1.895881	3.036212	-1.18938	-.794764	-2.17371	-.286180	-2.05237
#2	-.893990	.1723757	-2.07372	-.807808	-1.41851	.4940140	-.116378
#3	3.126400	-8.42243	5.844890	-7.42061	5.579155	2.463102	-1.25795
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.151453	.3903393	4362.844
SDEV	.353222	.5087304	13.152
%RSD	16.41784	130.3303	.3014613
#1	2.559276	-.138474	4357.267
#2	1.952707	.4332197	4353.400
#3	1.942377	.8762723	4377.866
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-10 OPERATOR:
RUN TIME: 06/10/10 15:38:47
COMMENT: SDG:1005064 CLIENTID:SDZ-WN25 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.160422	21.54225	.4601042	.5863828	27814.01	.7360797	3.147232
SDEV	.158776	6.61323	.0416865	.2870940	289.40	.2414072	.524950
%RSD	98.97433	30.69887	9.060224	48.96017	1.040477	32.79633	16.67974
#1	.0229174	17.64420	.4726736	.5430445	27921.04	.8377555	3.653757
#2	-.252091	17.80455	.4135794	.3234218	28034.64	.9100171	3.182323
#3	-.252091	29.17798	.4940597	.8926821	27486.34	.4604665	2.605618
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.893736	-.789862	-24.4245	36442.67	87701.30	.8798107	670095.9
SDEV	1.469531	.482295	42.2838	876.01	408.40	.3031721	8695.5
%RSD	164.4256	61.06073	173.1202	2.403807	.4656673	34.45878	1.297649
#1	-1.37651	-1.03499	-59.6779	36039.86	87378.34	.8914363	664537.2
#2	.7564508	-.234235	22.45653	35840.52	87565.20	1.177003	665633.8
#3	-2.06115	-1.10036	-36.0522	37447.63	88160.38	.5709931	680116.6
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.65422	4.228444	-.223390	1.869960	-1.76567	.6791258	1.074138
SDEV	1.07027	2.132626	.275625	1.261590	.93689	.6708884	3.956967
%RSD	64.69911	50.43525	123.3829	67.46615	53.06144	98.78706	368.3852
#1	-2.16014	1.799348	-.009249	2.104330	-1.30113	.1506207	-.693716
#2	-.424787	5.793301	-.534364	2.997931	-1.15182	.4528653	5.606846
#3	-2.37774	5.092682	-.126557	.5076197	-2.84406	1.433891	-1.69072
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3.371601	-1.08409	-2.10888	-2.69672	2.361596	.4716781	.0336649
SDEV	3.387546	6.33552	3.87926	4.37148	2.067370	.6157820	1.652778
%RSD	100.4729	584.4080	183.9490	162.1035	87.54125	130.5513	4909.501
#1	-.320729	4.030146	-3.96567	-.405728	.4254839	.8919311	-.403698
#2	4.099511	-8.17136	2.349803	-7.73752	4.539041	-.235166	-1.35645
#3	6.336021	.8889349	-4.71076	.0530791	2.120262	.7582689	1.861138
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.189445	-1.10283	4133.311
SDEV	.564137	.40789	92.726
%RSD	47.42864	36.98600	2.243390
#1	1.777923	-1.35051	4174.933
#2	1.137116	-.632049	4197.933
#3	.6532949	-1.32593	4027.066
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0051435-DUP1 OPERATOR:
RUN TIME: 06/10/10 15:45:55
COMMENT: SDG:1005064 CLIENTID:SDZ-WN25D 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.068752	31.06115	.5262188	.8809348	27165.26	.6061011	2.604471
SDEV	.442014	10.54382	.0774681	.4276099	1246.90	.2764825	1.360935
%RSD	642.9100	33.94537	14.72166	48.54047	4.590064	45.61657	52.25380
#1	.4354303	20.21336	.5136867	.5033451	28601.06	.9068686	4.174895
#2	-.389596	31.69795	.4557806	.7941943	26354.55	.5484363	1.868979
#3	-.252091	41.27214	.6091889	1.345265	26540.17	.3629984	1.769541
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.422752	-.985965	-20.8146	37680.11	87079.43	.8431824	679354.8
SDEV	.465747	.247298	10.0863	1238.64	998.93	.1066586	8049.1
%RSD	110.1703	25.08185	48.45782	3.287262	1.147145	12.64953	1.184813
#1	-.840897	-.789862	-28.1109	36433.74	88162.47	.8855989	674671.7
#2	-.506572	-1.26378	-9.30474	37695.72	86194.22	.7218408	674743.8
#3	.0792134	-.904255	-25.0281	38910.88	86881.59	.9221076	688649.0
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.21430	2.593159	-.452133	2.688763	-.608765	1.372459	2.001353
SDEV	1.29053	.965487	.219424	.141869	1.693213	.887464	2.506300
%RSD	106.2775	37.23206	48.53078	5.276382	278.1388	64.66237	125.2303
#1	-2.68167	2.277892	-.413029	2.562864	1.247473	1.775874	-.150305
#2	-.705546	3.676871	-.688481	2.842481	-2.06863	.3549476	1.401082
#3	-.255691	1.824716	-.254891	2.660945	-1.00514	1.986553	4.753284
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3.428033	.8733078	-1.35168	-2.73581	3.420520	-.052062	-.303435
SDEV	1.523499	4.839396	.37409	2.12030	.274123	1.401672	2.642875
%RSD	44.44236	554.1456	27.67619	77.50183	8.014082	2692.323	870.9861
#1	2.071391	6.374465	-1.31509	-1.70700	3.511795	1.372575	2.346650
#2	5.076246	-2.72739	-1.74273	-5.17423	3.112403	-.099180	-2.93904
#3	3.136462	-1.02715	-.997234	-1.32620	3.637361	-1.42958	-.317915
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.227263	-.967565	4037.666
SDEV	.894757	.123998	120.442
%RSD	72.90669	12.81542	2.982964
#1	1.402207	-1.10687	4157.267
#2	.2579547	-.926558	4039.333
#3	2.021629	-.869265	3916.400
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: SDI1005064-10 OPERATOR:
RUN TIME: 06/10/10 15:53:03
COMMENT: SDG:1005064 CLIENTID:SDZ-WN25L 1:75
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0687521	16.89905	.0083375	.6489051	5691.785	.3304092	1.295054
SDEV	.0865112	2.85484	.0405374	.1118854	7.742	.1277614	.200182
%RSD	125.8306	16.89350	486.2032	17.24218	.1360206	38.66764	15.45739
#1	-.011459	20.05869	-.001545	.7709764	5699.351	.1904638	1.339870
#2	.1604217	14.50521	-.026345	.5512322	5683.878	.4408102	1.469029
#3	.0572935	16.13325	.0529025	.6245066	5692.127	.3599537	1.076263
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.43846	-1.14939	-72.1046	5872.787	17634.62	-.028421	146807.0
SDEV	.40235	.31050	8.7749	70.232	179.48	.054995	707.7
%RSD	27.97068	27.01421	12.16961	1.195889	1.017745	193.5027	.4820507
#1	-1.89910	-1.41086	-81.1613	5953.874	17828.28	-.058666	147583.3
#2	-1.26055	-.806204	-63.6418	5833.349	17473.88	-.061655	146639.9
#3	-1.15574	-1.23109	-71.5108	5831.138	17601.69	.0350586	146197.8
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.15976	1.639924	-.206669	1.855428	-1.01020	.9773262	1.938281
SDEV	.93208	1.057914	.153881	.213780	1.27403	.9715878	1.335697
%RSD	43.15639	64.50992	74.45751	11.52189	126.1166	99.41285	68.91138
#1	-2.98701	.8528643	-.296516	1.643030	-.983150	-.116995	2.489736
#2	-2.34240	1.224391	-.294505	1.852689	.2500896	1.738562	.4151534
#3	-1.14989	2.842518	-.028987	2.070564	-2.29754	1.310412	2.909956
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.280971	2.819242	-2.92487	4.101994	-.585489	-.155836	.0232707
SDEV	1.049738	.999529	1.53422	3.313239	.482995	1.373084	.7996354
%RSD	373.6105	35.45381	52.45407	80.77142	82.49438	881.1062	3436.235
#1	-1.28609	2.159288	-2.55487	.7576099	-.556496	-.183240	-.890641
#2	.8083205	3.969221	-1.60950	7.383183	-1.08233	-1.51501	.3662480
#3	-.365147	2.329218	-4.61026	4.165189	-.117643	1.230745	.5942049
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.4565734	-.323790	4277.044
SDEV	.3758985	.132391	39.201
%RSD	82.33037	40.88802	.9165396
#1	.3772003	-.379704	4231.866
#2	.1266999	-.419051	4297.200
#3	.8658200	-.172615	4302.066
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-01 OPERATOR:
RUN TIME: 06/10/10 16:00:12
COMMENT: SDG:1005064 CLIENTID:SDZ-SW02 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3.620946	165.8875	123.8705	4.426189	28240.26	4.360390	37.51613
SDEV	.099235	6.4073	1.1135	.175682	106.09	.300990	.79158
%RSD	2.740585	3.862453	.8988904	3.969146	.3756613	6.902821	2.109963
#1	3.563653	158.5332	122.6205	4.223658	28142.55	4.458722	36.62709
#2	3.563653	170.2645	124.7562	4.517456	28353.10	4.599915	38.14451
#3	3.735533	168.8648	124.2347	4.537453	28225.13	4.022532	37.77678
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	11.43695	18.62983	32.99486	37301.18	89008.78	34.19517	680284.9
SDEV	.04620	.07369	7.06760	359.71	895.46	.36513	4802.6
%RSD	.4039955	.3955478	21.42031	.9643462	1.006040	1.067777	.7059653
#1	11.39083	18.62439	40.21572	36908.20	88047.21	33.83482	674789.8
#2	11.43679	18.55902	32.67769	37614.15	89818.80	34.56489	683678.6
#3	11.48324	18.70610	26.09119	37381.18	89160.34	34.18580	682386.2
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	32.92592	4.705347	33.23012	36.04462	-.530051	-1.77142	37.95116
SDEV	1.45472	1.204825	.80931	.55070	.848899	1.19486	.32751
%RSD	4.418158	25.60543	2.435468	1.527816	160.1541	67.45216	.8629764
#1	31.43858	3.483427	33.46809	35.73644	-.158132	-.923975	38.19785
#2	34.34566	4.740299	33.89376	35.71700	.0694096	-1.25223	37.57958
#3	32.99351	5.892315	32.32851	36.68041	-1.50143	-3.13804	38.07605
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	4.586959	3.382607	-2.48672	-2.12551	-1.59755	73.13764	70.01969
SDEV	1.587057	2.346264	1.25840	2.18584	.87769	2.68836	.38706
%RSD	34.59932	69.36259	50.60467	102.8381	54.94010	3.675760	.5527933
#1	3.715588	1.658778	-1.06848	-1.42671	-.675879	70.30562	70.41599
#2	6.418812	6.054567	-2.92198	-.374523	-1.69336	75.65458	70.00050
#3	3.626478	2.434475	-3.46972	-4.57530	-2.42341	73.45272	69.64258
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	69.03581	66.98383	4147.111
SDEV	.53704	.14026	26.045
%RSD	.7779168	.2094006	.6280229
#1	68.96007	66.82596	4174.733
#2	68.54067	67.09409	4122.999
#3	69.60671	67.03144	4143.600
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-02 OPERATOR:
RUN TIME: 06/10/10 16:07:20
COMMENT: SDG:1005064 CLIENTID:SDZ-WN07 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0229174	36.24808	.6763991	1.159159	30101.16	.7078683	3.374153
SDEV	.3315109	2.99262	.0383927	.086019	417.39	.3391399	.587043
%RSD	1446.548	8.255930	5.676043	7.420841	1.386633	47.91002	17.39822
#1	-.217715	39.63158	.6764302	1.227709	29623.92	.4539087	2.696847
#2	.4010542	33.94833	.6379909	1.187134	30398.05	1.093004	3.736509
#3	-.114587	35.16431	.7147763	1.062635	30281.51	.5766926	3.689102
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.67995	-.942387	L-278.126	37399.37	89846.61	-1.72286	683109.6
SDEV	.16732	.206926	1.378	779.88	342.09	.14610	4661.7
%RSD	9.959917	21.95769	.4956230	2.085270	.3807520	8.480027	.6824164
#1	-1.73337	-1.16573	L-279.155	38294.41	89947.57	-1.84475	688492.2
#2	-1.49244	-.904255	L-278.663	37037.78	90126.86	-1.56091	680457.2
#3	-1.81404	-.757178	L-276.560	36865.91	89465.40	-1.76292	680379.4
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.20665	2.256774	.0354305	1.284042	-.700938	.5408229	1.345755
SDEV	.88027	3.532566	.0901555	.349882	1.048903	1.185879	.761782
%RSD	72.95197	156.5317	254.4574	27.24851	149.6427	219.2732	56.60633
#1	-2.17529	.3183632	.0976962	1.212231	-1.90462	.2020673	2.032920
#2	-.455527	6.334186	.0765490	1.664258	.0173645	-.438818	.5266038
#3	-.989128	.1177731	-.067954	.9756359	-.215561	1.859219	1.477741
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.855963	.4301673	-1.26861	-1.08283	1.348467	-1.20624	-2.29364
SDEV	2.488321	1.006512	1.26864	2.19862	.927415	1.16917	1.75403
%RSD	290.7042	233.9815	100.0027	203.0441	68.77549	96.92703	76.47334
#1	-3.37193	-.476914	-2.62043	-.565772	.5823782	-2.54680	-3.82858
#2	-.799712	.2544469	-.103942	-3.49390	1.083492	-.397649	-.381803
#3	1.603755	1.512969	-1.08145	.8111823	2.379531	-.674264	-2.67055
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.428290	-1.24850	4074.844
SDEV	.026192	.01332	80.885
%RSD	1.833797	1.067077	1.984980
#1	1.458038	-1.26192	3983.066
#2	1.418145	-1.24831	4105.733
#3	1.408689	-1.23527	4135.733
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV OPERATOR:
RUN TIME: 06/10/10 16:14:29
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	101.4896	46873.72	909.6407	1020.537	50029.95	996.7680	1003.697
SDEV	.3119	385.34	4.6057	6.717	283.97	6.5103	5.705
%RSD	.3073377	.8220719	.5063191	.6582120	.5675978	.6531411	.5684052
#1	101.5355	46672.81	913.0776	1017.168	49905.98	994.7759	1007.373
#2	101.7761	46630.37	904.4075	1016.172	49829.06	991.4865	1006.593
#3	101.1573	47318.00	911.4368	1028.273	50354.83	1004.042	997.1246
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	951.2577	997.7039	24714.80	53223.18	50397.51	981.7119	50214.09
SDEV	4.6363	1.4591	121.93	379.11	402.29	5.8713	295.67
%RSD	.4873821	.1462461	.4933521	.7123064	.7982248	.5980654	.5888167
#1	955.3529	996.0371	24805.19	52930.96	50395.98	984.0424	49941.88
#2	952.1963	998.3249	24576.12	53087.01	49995.99	986.0602	50171.73
#3	946.2240	998.7498	24763.08	53651.57	50800.56	975.0332	50528.65
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	997.4423	1031.332	964.2532	1195.742	996.3336	1038.426	1032.647
SDEV	8.9465	9.626	12.8829	6.512	7.8106	7.580	11.111
%RSD	.8969431	.9334027	1.336049	.5445788	.7839334	.7299486	1.075929
#1	999.8773	1030.391	966.6664	1198.480	991.9813	1034.750	1033.741
#2	987.5303	1022.211	950.3343	1188.308	991.6688	1033.385	1021.030
#3	1004.919	1041.395	975.7589	1200.437	1005.351	1047.143	1043.170
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1034.706	989.8965	999.5441	1060.355	1027.476	1087.014	1014.885
SDEV	11.913	10.1405	7.8416	8.166	8.019	6.487	4.590
%RSD	1.151334	1.024400	.7845159	.7700937	.7804899	.5967922	.4522867
#1	1032.118	979.7361	998.0915	1052.796	1025.739	1088.409	1014.792
#2	1024.300	989.9363	992.5303	1059.255	1020.467	1079.942	1010.342
#3	1047.700	1000.017	1008.010	1069.015	1036.221	1092.689	1019.521
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1009.818	989.6187	4291.800
SDEV	12.544	3.1759	25.105
%RSD	1.242237	.3209245	.5849606
#1	1007.655	986.3261	4301.999
#2	998.4954	992.6635	4310.200
#3	1023.303	989.8665	4263.200
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB OPERATOR:
RUN TIME: 06/10/10 16:21:38
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.240632	30.34897	.0257813	.9154419	375.1042	.0285222	.4189421
SDEV	.086511	9.27052	.0528072	.2995588	.3770	.1790595	.5573899
%RSD	35.95159	30.54642	204.8272	32.72286	.1005064	627.7900	133.0470
#1	-.320843	19.64503	-.016636	.5754170	375.3117	.1891273	-.065875
#2	-.252091	35.59181	.0090534	1.030474	375.3319	-.164549	1.027954
#3	-.148963	35.81006	.0849265	1.140434	374.6691	.0609884	.2947476
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.949786	-.953281	-10.8836	-1426.35	10.18547	-.087592	65.29753
SDEV	.652544	.227029	10.6008	4.72	1.41221	.107801	46.91395
%RSD	68.70431	23.81558	97.40151	.3311434	13.86498	123.0717	71.84644
#1	-.632826	-.838888	-.202955	-1430.06	8.742892	-.195915	26.51954
#2	-.516264	-.806204	-11.0451	-1427.95	10.24830	.0196795	51.92803
#3	-1.70027	-1.21475	-21.4027	-1421.03	11.56522	-.086541	117.4450
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.49651	3.131924	.0063472	1.124642	-1.62048	1.184123	.9874580
SDEV	.52137	1.129243	.2804322	.521039	1.29412	2.410089	2.125123
%RSD	34.83940	36.05589	4418.242	46.32935	79.86045	203.5336	215.2115
#1	-1.46113	1.924321	-.272463	1.419347	-2.94463	.0517766	2.179571
#2	-.993720	3.309741	.2883739	1.431541	-.358638	3.951857	2.248899
#3	-2.03467	4.161708	.0031303	.5230390	-1.55817	-.451265	-1.46610
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.444530	1.044960	-2.95409	3.013500	.2679214	.3721966	-1.23165
SDEV	1.244801	3.386406	1.31108	1.425072	2.978082	3.961970	.71262
%RSD	280.0261	324.0706	44.38178	47.28959	1111.551	1064.483	57.85885
#1	.1529211	-2.74889	-3.04520	1.788457	-.818098	-2.02826	-1.94394
#2	.3889183	2.121642	-1.59983	4.577484	3.636599	-1.80034	-1.23231
#3	-1.87543	3.762124	-4.21723	2.674558	-2.01474	4.945192	-.518705
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.608587	.0433778	4186.111
SDEV	1.044252	.1851552	61.500
%RSD	40.03133	426.8436	1.469144
#1	3.612747	.1383882	4256.600
#2	2.684614	.1617407	4143.400
#3	1.528399	-.169996	4158.333
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-03 OPERATOR:
RUN TIME: 06/10/10 16:28:47
COMMENT: SDG:1005064 CLIENTID:SDZ-WN06 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.114587	45.94986	.6267108	1.335930	25599.02	.8886928	3.550509
SDEV	.123945	4.12244	.0362090	.188184	463.12	.1893686	.184785
%RSD	108.1665	8.971610	5.777629	14.08633	1.809113	21.30867	5.204474
#1	.0229174	49.68798	.6102604	1.530849	26057.78	1.081954	3.499905
#2	-.148963	41.52847	.6016474	1.155296	25607.59	.7034725	3.396298
#3	-.217715	46.63312	.6682246	1.321646	25131.67	.8806524	3.755325
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.63880	1.367277	L-273.408	33275.29	78888.85	-.970537	611016.9
SDEV	.22461	1.413650	10.778	761.18	1444.01	.076498	11529.9
%RSD	13.70555	103.3916	3.942200	2.287515	1.830439	7.882049	1.887009
#1	-1.38758	-.250577	L-273.898	34135.11	80294.88	-.962021	623887.3
#2	-1.70863	1.988272	L-262.393	33003.20	78962.04	-1.05094	607531.8
#3	-1.82020	2.364136	L-283.932	32687.54	77409.64	-.898654	601631.5
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.70796	4.084423	.0335000	1.360031	-1.05358	-.385915	2.203139
SDEV	.75039	1.759343	.4571610	.353448	.87821	2.955233	.796801
%RSD	43.93453	43.07446	1364.661	25.98826	83.35564	765.7735	36.16663
#1	-2.56707	5.550549	.3684680	1.670983	-.376315	-3.60440	3.121910
#2	-1.18078	4.569206	.2193479	1.433482	-.738562	2.205378	1.701490
#3	-1.37604	2.133516	-.487316	.9756281	-2.04585	.2412763	1.786015
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.685360	3.376283	-3.26813	1.303515	-1.23219	2.041432	-.652712
SDEV	.217380	2.349073	1.24288	3.066397	2.98928	2.423846	2.168466
%RSD	31.71757	69.57570	38.03021	235.2406	242.5990	118.7327	332.2243
#1	-.628273	6.034587	-3.57993	-2.23103	-4.29302	2.981873	1.826808
#2	-.925586	1.580007	-1.89904	3.252579	1.679993	3.854129	-1.59042
#3	-.502221	2.514254	-4.32543	2.888994	-1.08354	-.711705	-2.19452
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.851617	-1.24350	4095.222
SDEV	.387755	.02517	25.600
%RSD	20.94142	2.024286	.6251246
#1	1.430535	-1.27203	4066.466
#2	1.930357	-1.22443	4115.533
#3	2.193959	-1.23404	4103.667
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-05 OPERATOR:
RUN TIME: 06/10/10 16:35:55
COMMENT: SDG:1005064 CLIENTID:SDZ-WN29 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.080211	43.87135	.7033418	1.435170	32423.15	.7193671	3.046753
SDEV	.178623	9.75081	.1097616	.292931	209.86	.2405689	.681510
%RSD	222.6922	22.22592	15.60572	20.41088	.6472603	33.44174	22.36839
#1	-.286467	55.05022	.6440780	1.762250	32396.56	.9689577	3.470211
#2	.0229174	39.44503	.6359508	1.346281	32227.84	.4889698	2.260596
#3	.0229174	37.11879	.8299967	1.196980	32645.03	.7001737	3.409453
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.643751	-1.44354	L-253.789	27783.06	68088.72	1.240835	546141.5
SDEV	.673470	.07489	4.444	621.55	969.39	.105421	6834.8
%RSD	104.6165	5.187842	1.750976	2.237149	1.423715	8.495982	1.251471
#1	-.496600	-1.52525	L-255.384	28302.47	69202.63	1.133684	551097.8
#2	-.056023	-1.37817	L-257.216	27952.28	67627.20	1.244385	548982.2
#3	-1.37863	-1.42720	L-248.768	27094.42	67436.32	1.344437	538344.4
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.93878	1.510703	.4313135	1.522747	-1.45771	.1179272	3.092075
SDEV	.77131	2.229961	.1862196	.543838	1.13931	2.383558	.251298
%RSD	39.78298	147.6108	43.17499	35.71428	78.15781	2021.211	8.127177
#1	-2.65419	.5900357	.5455386	1.214580	-.817203	2.456416	2.899176
#2	-2.04049	-.111510	.5319737	2.150682	-2.77312	.2056426	3.376257
#3	-1.12167	4.053584	.2164284	1.202980	-.782797	-2.30828	3.000794
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1477531	.5184760	-2.44731	-1.17797	.7619156	2.321479	1.054347
SDEV	.7836607	2.636971	1.29583	2.38782	2.594377	3.941634	1.209999
%RSD	530.3851	508.6004	52.94912	202.7064	340.5071	169.7897	114.7629
#1	.8501047	-.498458	-.979382	.1709375	3.594397	-.218257	-.335481
#2	.2906936	-1.45862	-3.43240	.2301286	.1904090	.3204490	1.625243
#3	-.697539	3.512501	-2.93014	-3.93497	-1.49906	6.862246	1.873279
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.159369	-.881667	4044.400
SDEV	1.096709	.051205	95.134
%RSD	94.59530	5.807766	2.352237
#1	-.006945	-.859984	3967.733
#2	1.315264	-.940146	4014.600
#3	2.169788	-.844870	4150.866
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-06 OPERATOR:
RUN TIME: 06/10/10 16:43:03
COMMENT: SDG:1005064 CLIENTID:SDZ-WN26 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0572935	27.05307	.8339295	.8290620	27674.51	.9136856	3.498609
SDEV	.1575310	2.12095	.0325499	.0442985	238.25	.2770641	.097112
%RSD	274.9546	7.839962	3.903199	5.343206	.8608955	30.32379	2.775721
#1	.0916695	25.55832	.8442749	.8586695	27420.32	.7733021	3.415277
#2	.1947977	29.48054	.8600493	.8503817	27892.73	1.232843	3.475294
#3	-.114587	26.12036	.7974641	.7781348	27710.47	.7349117	3.605256
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.696764	-1.10036	L-276.040	35646.06	84240.26	-.784492	648103.8
SDEV	.310383	.15589	7.511	116.01	616.88	.206923	2314.6
%RSD	44.54642	14.16741	2.720984	.3254384	.7322919	26.37671	.3571386
#1	-.517454	-1.26378	L-284.570	35592.77	83643.37	-.770952	645567.9
#2	-1.05516	-1.08402	L-270.416	35779.13	84875.36	-.584671	650102.8
#3	-.517673	-.953281	L-273.135	35566.27	84202.04	-.997853	648640.5
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.96672	2.132317	.1184460	1.734560	-1.39367	1.021634	1.794328
SDEV	.58731	4.198907	.4282288	.349154	.49061	1.509071	1.840897
%RSD	29.86240	196.9175	361.5393	20.12925	35.20291	147.7115	102.5953
#1	-2.55352	6.198716	-.348074	1.430828	-.827176	-.686085	-.318434
#2	-1.37890	2.385845	.4936543	2.116031	-1.68054	2.175605	2.648036
#3	-1.96773	-2.18761	.2097576	1.656822	-1.67330	1.575383	3.053383
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6267028	1.724293	-2.95323	.4017162	1.328216	.5592329	-1.35196
SDEV	2.200728	1.022605	.23927	1.448847	1.539136	.2232800	.90168
%RSD	351.1597	59.30574	8.101923	360.6643	115.8800	39.92612	66.69408
#1	2.104951	2.895819	-2.68879	-1.23853	-.413185	.3146342	-.396721
#2	-1.90247	1.266460	-3.15476	1.507049	2.506459	.7521195	-1.47089
#3	1.677632	1.010601	-3.01614	.9366328	1.891374	.6109453	-2.18828
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.489580	-1.08078	4147.289
SDEV	.480403	.04135	12.793
%RSD	32.25091	3.826360	.3084647
#1	1.275956	-1.04058	4151.733
#2	1.153041	-1.12320	4132.866
#3	2.039744	-1.07855	4157.267
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-07 OPERATOR:
RUN TIME: 06/10/10 16:50:11
COMMENT: SDG:1005064 CLIENTID:SDZ-WN27 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.114587	26.84754	.6132944	.8807210	28544.21	.7427222	3.797237
SDEV	.123945	8.89316	.0929936	.1609728	407.27	.1953774	.730057
%RSD	108.1665	33.12470	15.16296	18.27739	1.426809	26.30559	19.22601
#1	.0229174	17.37928	.7197691	.7310018	28081.52	.5194613	2.989565
#2	-.217715	35.02440	.5721055	1.050976	28702.67	.8262768	3.991949
#3	-.148963	28.13893	.5480086	.8601847	28848.43	.8824286	4.410197
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.12567	-1.04589	L-228.371	37853.34	90883.88	-2.01023	690214.2
SDEV	.37882	.21076	7.773	638.03	1505.84	.13098	8446.5
%RSD	33.65258	20.15163	3.403646	1.685545	1.656886	6.515550	1.223747
#1	-1.48291	-.871571	L-226.692	37156.72	89145.09	-1.87047	680572.9
#2	-.728450	-1.28012	L-236.846	38409.32	91753.31	-2.13017	696310.4
#3	-1.16565	-.985965	L-221.574	37993.97	91753.25	-2.03005	693759.4
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.95972	.3585137	-.097555	1.658942	-.814445	-.644265	2.513566
SDEV	.93870	.5531427	.213914	.448121	.610898	.810796	2.370504
%RSD	47.89993	154.2877	219.2739	27.01248	75.00785	125.8482	94.30841
#1	-2.99957	.6807821	-.059314	2.101581	-.159551	.1172000	2.776098
#2	-1.17486	.6749507	.0946583	1.669714	-.914888	-1.49672	.0227241
#3	-1.70472	-.280192	-.328010	1.205532	-1.36890	-.553279	4.741875
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4743362	1.276817	-1.86144	-.056746	-.940513	3.672792	.3535379
SDEV	.3491273	1.922103	.37888	1.859254	.442675	3.515288	2.422707
%RSD	73.60333	150.5386	20.35422	3276.446	47.06741	95.71161	685.2752
#1	.7966949	2.847017	-1.66347	1.992583	-.821973	7.414204	3.150238
#2	.5228077	1.850147	-2.29829	-1.63550	-1.43039	3.165399	-1.10279
#3	.1035060	-.866713	-1.62255	-.527324	-.569176	.4387720	-.986832
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.093555	-1.28587	4123.955
SDEV	.587409	.04599	53.133
%RSD	28.05798	3.576188	1.288410
#1	2.534411	-1.23350	4182.533
#2	1.426714	-1.30446	4078.867
#3	2.319539	-1.31965	4110.466
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-08 OPERATOR:
RUN TIME: 06/10/10 16:57:19
COMMENT: SDG:1005064 CLIENTID:SDZ-WN24 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.022917	32.60185	.7401144	.8944200	26731.31	.8006876	3.393180
SDEV	.086511	13.87057	.0665485	.1218109	315.52	.1969177	.284600
%RSD	377.4916	42.54534	8.991647	13.61898	1.180324	24.59357	8.387421
#1	.0572935	22.96491	.8103162	.8183331	27008.64	.9965121	3.118917
#2	-.114587	26.34153	.6779491	.8300135	26797.26	.6026947	3.373524
#3	-.011459	48.49912	.7320780	1.034913	26388.03	.8028560	3.687098
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.984834	1.982824	303.6215	34896.11	84838.56	10.25206	645942.2
SDEV	1.443229	.448834	39.4653	372.87	748.16	.25939	5737.0
%RSD	146.5454	22.63609	12.99819	1.068513	.8818682	2.530084	.8881528
#1	-1.81710	1.465329	284.1765	35301.46	85633.81	9.959133	651914.4
#2	-1.81906	2.266085	277.6518	34819.12	84733.23	10.34440	645438.5
#3	.6816632	2.217059	349.0361	34567.75	84148.65	10.45263	640473.8
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.44502	3.144159	-.175282	2.197374	-1.05640	-.784735	3.036466
SDEV	1.30927	2.213029	.152727	.927247	1.40537	1.900723	4.402058
%RSD	90.60573	70.38541	87.13236	42.19796	133.0336	242.2120	144.9731
#1	-2.29761	.6035211	-.182824	1.660865	-2.17778	-2.64405	-.944890
#2	-2.09992	4.177061	-.324097	1.663191	.5201333	-.865014	2.290409
#3	.0624810	4.651896	-.018923	3.268066	-1.51155	1.154855	7.763879
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3.462178	2.569065	-2.86935	-.830896	-.764625	.2011143	-1.71049
SDEV	3.729279	2.407893	1.56305	2.046959	1.869781	1.609428	.60223
%RSD	107.7148	93.72646	54.47393	246.3555	244.5359	800.2554	35.20803
#1	3.392463	2.738611	-4.63522	-2.49146	-2.72315	.1624998	-2.31248
#2	-.231755	4.887704	-1.66332	-1.45730	-.572257	-1.38866	-1.71097
#3	7.225824	.0808793	-2.30951	1.456071	1.001536	1.829502	-1.10802
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.8994213	-.991385	4115.777
SDEV	.3403666	.553817	7.013
%RSD	37.84285	55.86298	.1703878
#1	1.026752	-1.24449	4123.466
#2	.5137473	-1.37342	4109.733
#3	1.157765	-.356239	4114.133
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-09 OPERATOR:
RUN TIME: 06/10/10 17:04:27
COMMENT: SDG:1005064 CLIENTID:SDZ-WN25 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.068752	60.23099	.6842166	1.914850	26335.93	1.209232	3.700431
SDEV	.189329	4.69365	.0479429	.036656	331.41	.258466	.804788
%RSD	275.3785	7.792754	7.006983	1.914295	1.258386	21.37442	21.74849
#1	-.252091	65.13056	.6743517	1.922831	26394.17	1.378451	3.818091
#2	-.080211	55.77471	.6419734	1.946857	25979.26	.9117174	2.843290
#3	.1260456	59.78770	.7363246	1.874861	26634.36	1.337527	4.439912
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.01732	-1.52525	240.9924	37031.76	85227.23	3.422062	660622.9
SDEV	.37315	.14978	26.2098	411.43	1156.37	.269479	3098.6
%RSD	18.49742	9.819805	10.87578	1.111018	1.356813	7.874743	.4690473
#1	-1.87242	-1.55793	261.1416	37321.61	85919.66	3.685884	663154.5
#2	-2.44120	-1.65599	211.3612	37212.82	83892.28	3.147262	661546.9
#3	-1.73836	-1.36183	250.4745	36560.85	85869.77	3.433039	657167.4
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.57206	3.772941	-.181892	1.299099	-.763767	-.634934	-.004459
SDEV	.55863	5.441862	.248926	.371493	.619460	.557300	1.591492
%RSD	21.71912	144.2340	136.8543	28.59621	81.10588	87.77289	35689.51
#1	-1.97702	3.543894	-.469313	1.704873	-.152232	-.755820	1.414701
#2	-3.08525	-1.55078	-.040631	1.216699	-.748210	-.027113	-1.72515
#3	-2.65389	9.325709	-.035730	.9757236	-1.39086	-1.12187	.2970665
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.8700061	4.738229	-3.51373	1.401682	-1.65480	2.413798	.3516559
SDEV	1.074800	3.085267	2.42124	2.661288	.69048	1.962131	1.146921
%RSD	123.5394	65.11436	68.90801	189.8640	41.72586	81.28812	326.1486
#1	1.797134	1.209747	-.835318	-.462543	-.905356	.3910946	-.430553
#2	-.308066	6.076755	-4.15868	4.449440	-2.26513	2.541147	-.182734
#3	1.120950	6.928185	-5.54719	.2181477	-1.79392	4.309152	1.668254
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.934215	-1.32836	3911.333
SDEV	.774651	.17450	46.497
%RSD	40.04988	13.13640	1.188787
#1	2.589977	-1.13855	3875.000
#2	1.079489	-1.48182	3895.266
#3	2.133179	-1.36471	3963.733
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-11 OPERATOR:
RUN TIME: 06/10/10 17:13:06
COMMENT: SDG:1005064 CLIENTID:SDZ-WN28 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.309385	38.45064	.4657967	1.120450	27650.73	1.000277	3.739424
SDEV	.189329	7.20199	.0508602	.162543	278.37	.358992	.146576
%RSD	61.19523	18.73048	10.91898	14.50698	1.006733	35.88927	3.919741
#1	-.320843	39.45665	.4089607	1.161627	27471.62	.9343728	3.905341
#2	-.492724	30.79854	.5070216	.9412780	27509.15	.6788037	3.627515
#3	-.114587	45.09674	.4814079	1.258445	27971.44	1.387656	3.685417
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.56338	-1.31280	L-159.228	36403.53	87663.09	1.491788	667868.7
SDEV	.34995	.13074	3.519	332.50	800.23	.144570	4282.9
%RSD	22.38419	9.958503	2.209741	.9133639	.9128497	9.691032	.6412741
#1	-1.16561	-1.18207	L-158.883	36363.28	87337.37	1.570491	667730.1
#2	-1.70060	-1.31280	L-162.907	36093.00	87077.08	1.324942	663656.8
#3	-1.82392	-1.44354	L-155.895	36754.32	88574.81	1.579930	672219.2
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.02671	2.702900	-.358079	1.509555	-.666387	-.006770	2.266427
SDEV	.53912	1.381560	.162150	.136863	.989662	1.117849	1.806647
%RSD	52.51001	51.11398	45.28313	9.066425	148.5117	16511.68	79.71348
#1	-.790492	2.051252	-.170864	1.433160	-1.14132	-1.15425	.3189378
#2	-1.64362	4.289764	-.453999	1.427943	.4712242	.0550546	2.592529
#3	-.646010	1.767683	-.449375	1.667561	-1.32907	1.078884	3.887813
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.9154670	1.187721	-1.59498	-2.56626	1.268125	-.340815	-.644796
SDEV	2.320380	.357123	1.39524	3.49625	.072724	.924098	2.569070
%RSD	253.4640	30.06790	87.47697	136.2391	5.734786	271.1436	398.4317
#1	2.432587	.7796218	-2.10328	-6.13206	1.327997	-1.33536	.2136731
#2	2.069476	1.443035	-.016852	-2.42272	1.289184	.4912902	1.385115
#3	-1.75566	1.340506	-2.66481	.8560103	1.187196	-.178371	-3.53318
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.8942056	-1.35427	4124.889
SDEV	.6647050	.03649	40.702
%RSD	74.33469	2.694361	.9867349
#1	1.283778	-1.33981	4124.466
#2	1.272139	-1.32722	4165.800
#3	.1266999	-1.39577	4084.400
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-12 OPERATOR:
RUN TIME: 06/10/10 17:20:15
COMMENT: SDG:1005064 CLIENTID:SDZ-WN28D 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1833391	34.31990	.4445351	1.012347	28248.62	1.084964	4.304391
SDEV	.2288872	4.09253	.0269042	.131153	162.73	.124138	.249237
%RSD	124.8437	11.92466	6.052214	12.95533	.5760563	11.44166	5.790305
#1	-.080211	36.93259	.4240015	.9450330	28158.24	1.226983	4.035598
#2	.2979259	29.60339	.4346124	.9285189	28151.15	.9971253	4.349728
#3	.3323021	36.42370	.4749913	1.163489	28436.48	1.030784	4.527849
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.05701	-1.20931	L-159.752	36716.19	89056.01	1.576822	675391.8
SDEV	.10823	.21945	3.952	370.60	652.22	.080758	4849.7
%RSD	10.23915	18.14704	2.473867	1.009357	.7323676	5.121585	.7180557
#1	-1.16582	-1.05133	L-155.189	36486.47	89162.09	1.522280	672236.4
#2	-1.05585	-1.11670	L-161.981	36518.37	88357.25	1.538588	672962.9
#3	-.949367	-1.45988	L-162.086	37143.72	89648.68	1.669597	680976.0
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.79420	2.062919	.0648657	1.435186	-.962461	.0193276	2.321750
SDEV	.78737	4.030804	.0821449	.228546	.260825	1.772492	.643287
%RSD	43.88444	195.3932	126.6384	15.92446	27.09976	9170.781	27.70700
#1	-2.55843	3.873187	-.029823	1.661712	-.744890	2.032783	2.215724
#2	-.985564	4.871217	.1073740	1.204673	-1.25160	-.669238	3.011464
#3	-1.83859	-2.55565	.1170455	1.439173	-.890895	-1.30556	1.738063
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.600670	1.525485	-2.20751	.5389409	-.243030	1.719118	-.620653
SDEV	3.060787	.245331	.29311	4.468679	.836638	.558935	.963489
%RSD	117.6923	16.08216	13.27781	829.1595	344.2525	32.51290	155.2381
#1	3.295074	1.801930	-2.01932	5.122493	.4873134	2.251860	-.267134
#2	-.747660	1.333681	-2.54523	.2995738	-1.15584	1.768259	-1.71097
#3	5.254597	1.440844	-2.05798	-3.80524	-.060560	1.137235	.1161417
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.418533	-1.24842	4108.422
SDEV	.234171	.03156	30.376
%RSD	16.50796	2.528233	.7393496
#1	1.284060	-1.23499	4123.400
#2	1.282611	-1.22580	4128.400
#3	1.688929	-1.28448	4073.466
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-13 OPERATOR:
RUN TIME: 06/10/10 17:27:23
COMMENT: SDG:1005064 CLIENTID:SDZ-WN17 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2177151	36.43608	.7000490	1.282011	29988.64	.6295818	3.459315
SDEV	.4564818	7.87352	.1145476	.139347	452.77	.1869455	.759324
%RSD	209.6693	21.60912	16.36279	10.86943	1.509799	29.69360	21.95012
#1	-.045835	43.73817	.6359318	1.434158	29703.03	.4209576	3.364298
#2	-.045835	37.47566	.6319183	1.160593	29752.21	.7819105	2.751972
#3	.7448149	28.09442	.8322968	1.251281	30510.68	.6858771	4.261676
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.73491	-1.30736	L-285.883	37583.04	88989.70	-2.36950	685961.2
SDEV	.31066	.09000	3.489	864.94	146.15	.10077	7660.5
%RSD	17.90639	6.884481	1.220312	2.301398	.1642322	4.252833	1.116747
#1	-1.97030	-1.41086	L-288.325	38200.23	89125.11	-2.47499	691421.6
#2	-1.85164	-1.24744	L-281.888	37954.45	88834.77	-2.35929	689257.6
#3	-1.38280	-1.26378	L-287.437	36594.43	89009.23	-2.27423	677204.3
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.93017	5.926212	-.013209	1.290607	-.258219	-1.94456	1.211568
SDEV	.63287	1.727515	.559949	.141166	.535438	1.54510	1.999384
%RSD	32.78818	29.15041	4239.160	10.93797	207.3583	79.45728	165.0244
#1	-1.49485	5.347896	-.336657	1.453544	.2800361	-2.41692	-.990972
#2	-2.65616	4.562048	-.336335	1.213208	-.790794	-.218423	2.912128
#3	-1.63950	7.868691	.6333646	1.205070	-.263898	-3.19834	1.713548
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.7522787	3.112432	-1.94403	-2.52601	-1.65716	2.045888	.8915594
SDEV	.7672598	.936041	1.14510	2.89349	2.92153	3.489647	2.861720
%RSD	101.9914	30.07427	58.90322	114.5477	176.2970	170.5689	320.9792
#1	.3142195	2.123605	-.643432	-5.56252	-.849541	-.793348	.4294188
#2	1.638216	3.228905	-2.80068	-2.21479	.7755983	.9892796	-1.71097
#3	.3044009	3.984785	-2.38799	.1992887	-4.89754	5.941731	3.956225
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.009715	-1.15867	4005.377
SDEV	.472476	.08659	93.829
%RSD	46.79297	7.473605	2.342569
#1	1.472355	-1.08701	3939.867
#2	.5279821	-1.25489	3963.400
#3	1.028808	-1.13411	4112.866
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV OPERATOR:
RUN TIME: 06/10/10 17:34:32
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	97.31866	47406.86	902.4230	990.4996	47833.46	954.6107	967.0160
SDEV	.36434	756.49	6.6026	13.4703	762.08	7.0749	8.6603
%RSD	.3743828	1.595749	.7316579	1.359949	1.593194	.7411325	.8955674
#1	96.92907	47770.27	909.6491	994.8339	47971.03	962.1818	973.9948
#2	97.65097	46537.23	896.7047	975.3958	47011.96	948.1674	957.3240
#3	97.37595	47913.07	900.9151	1001.269	48517.38	953.4830	969.7292
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	926.1241	978.8726	23997.07	54970.67	50042.57	953.4151	50910.62
SDEV	27.3555	3.0788	379.19	573.77	848.16	15.3344	488.29
%RSD	2.953766	.3145292	1.580154	1.043778	1.694873	1.608367	.9591129
#1	947.8779	981.3620	24295.81	Q55516.35	50628.16	968.8421	51013.97
#2	Q895.4128	975.4298	23570.48	54372.43	49069.94	938.1750	50378.93
#3	935.0817	979.8258	24124.91	55023.23	50429.63	953.2283	51338.96
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	960.0552	1024.062	957.9676	1120.427	975.9476	1034.349	1017.656
SDEV	6.5375	1.783	20.9878	5.708	6.7397	4.235	3.187
%RSD	.6809453	.1740769	2.190865	.5094556	.6905760	.4094453	.3131550
#1	966.7169	1023.703	971.3156	1126.166	982.9221	1039.174	1021.327
#2	953.6495	1022.486	933.7762	1114.750	969.4703	1031.248	1016.035
#3	959.7993	1025.997	968.8111	1120.365	975.4504	1032.624	1015.605
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1024.035	970.2692	978.7797	1055.832	1023.620	1054.044	1011.771
SDEV	7.472	7.9160	6.3884	6.299	5.650	5.954	8.716
%RSD	.7296441	.8158527	.6526921	.5966114	.5519160	.5648467	.8614987
#1	1031.529	977.0634	985.8441	1060.169	1028.689	1060.865	1015.542
#2	1016.586	961.5767	973.4084	1058.721	1017.530	1051.377	1001.804
#3	1023.990	972.1675	977.0865	1048.607	1024.642	1049.891	1017.967
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	977.5502	982.8018	4154.200
SDEV	2.8187	15.2498	31.318
%RSD	.2883481	1.551664	.7538835
#1	977.1028	986.6938	4132.267
#2	974.9819	965.9831	4190.066
#3	980.5659	995.7283	4140.267
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB OPERATOR:
RUN TIME: 06/10/10 17:41:42
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.217715	21.78780	.0752403	.6149437	379.0909	.5426039	1.185254
SDEV	.123945	11.77458	.0499076	.1687192	2.9356	.2168421	.343876
%RSD	56.92976	54.04205	66.33093	27.43652	.7743755	39.96325	29.01282
#1	-.183339	34.64169	.1139243	.8074916	382.0631	.7591307	1.577820
#2	-.355219	11.52369	.0189060	.4929765	376.1933	.3254477	1.040633
#3	-.114587	19.19803	.0928906	.5443631	379.0163	.5432334	.9373080
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.672459	-1.15483	-1.45921	-1416.29	15.25129	.0358514	127.5746
SDEV	.359170	.01887	7.53562	4.06	3.19090	.1594291	5.4883
%RSD	53.41140	1.634025	516.4169	.2864947	20.92217	444.6940	4.302055
#1	-.633693	-1.16573	3.792554	-1411.61	18.60852	.2109110	122.2665
#2	-1.04944	-1.13304	-10.0934	-1418.50	12.25792	-.101006	127.2302
#3	-.334244	-1.16573	1.923214	-1418.76	14.88743	-.002351	133.2269
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.74164	3.630180	.1651001	.9780812	-.965798	-.761251	1.747714
SDEV	.71701	.267198	.3326098	.5721651	.872372	.960544	.588919
%RSD	41.16857	7.360449	201.4595	58.49873	90.32651	126.1797	33.69651
#1	-2.47183	3.332843	.1328589	1.197500	-.188959	-.255078	1.139239
#2	-1.71449	3.707524	-.150215	.3286827	-.798859	-1.86902	2.314904
#3	-1.03859	3.850175	.5126565	1.408061	-1.90958	-.159652	1.788998
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.379503	2.352196	-2.62509	-.274139	-1.00723	1.035838	.4623035
SDEV	2.729617	.763335	1.11823	.678147	1.72800	.320788	1.019662
%RSD	719.2615	32.45203	42.59788	247.3739	171.5595	30.96890	220.5611
#1	.7681475	3.210786	-1.88911	-.165448	-.302654	1.017921	.4955391
#2	-3.49557	1.750277	-2.07429	.3430991	-2.97619	1.365209	-.573570
#3	1.588912	2.095525	-3.91189	-1.00007	.2571632	.7243847	1.464941
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.215390	.1035373	4333.600
SDEV	1.197195	.0903585	55.412
%RSD	54.03992	87.27150	1.278669
#1	3.477942	.2048282	4269.999
#2	2.071712	.0312175	4359.333
#3	1.096518	.0745662	4371.466
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-14 OPERATOR:
RUN TIME: 06/10/10 17:48:51
COMMENT: SDG:1005064 CLIENTID:SDZ-WN03 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.068752	33.54310	.8120679	1.174589	19460.95	.5453862	2.031464
SDEV	.039694	4.69346	.0323008	.137313	193.60	.0756393	.464538
%RSD	57.73503	13.99233	3.977604	11.69028	.9948331	13.86895	22.86715
#1	-.045835	28.30140	.7954708	1.026506	19658.79	.4580619	2.435819
#2	-.114587	37.35645	.7914399	1.297705	19271.88	.5905153	1.524051
#3	-.045835	34.97143	.8492930	1.199558	19452.18	.5875816	2.134520
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.24319	-1.51980	L-234.847	24862.97	58313.62	1.870488	477153.3
SDEV	.35570	.24092	3.242	52.68	324.90	.060466	1673.7
%RSD	28.61217	15.85186	1.380572	.2118929	.5571660	3.232656	.3507687
#1	-.837459	-1.24744	L-237.680	24837.06	58684.28	1.899782	478814.3
#2	-1.50139	-1.60696	L-235.551	24923.59	58178.51	1.800954	477178.5
#3	-1.39073	-1.70501	L-231.311	24828.26	58078.07	1.910728	475467.2
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.57161	4.497895	.1964534	1.598214	-.878078	-.389726	2.218315
SDEV	.70374	2.915135	.0819873	.135039	1.397924	2.444731	.471124
%RSD	44.77799	64.81108	41.73370	8.449372	159.2028	627.2946	21.23794
#1	-1.50473	7.839931	.1017855	1.676989	.5877385	1.483969	2.623862
#2	-.903702	2.478874	.2431559	1.675366	-1.02556	.5019938	1.701524
#3	-2.30640	3.174881	.2444189	1.442287	-2.19642	-3.15514	2.329559
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3227583	2.423409	-2.52934	-.568953	-.303238	2.432668	1.687054
SDEV	1.160549	.896865	2.03410	3.707740	1.841491	1.542839	.392412
%RSD	359.5721	37.00838	80.42011	651.6779	607.2756	63.42170	23.26022
#1	1.620886	3.072362	-.655705	1.864019	1.291235	3.638060	1.239453
#2	-.614441	1.399997	-2.23950	1.265434	.1178562	2.966029	1.849798
#3	-.038171	2.797868	-4.69280	-4.83631	-2.31881	.6939149	1.971910
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.439292	-.716229	4038.333
SDEV	.346522	.049101	3.090
%RSD	24.07584	6.855507	.0765274
#1	1.046432	-.697607	4034.800
#2	1.701470	-.771917	4039.666
#3	1.569975	-.679162	4040.533
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-15 OPERATOR:
RUN TIME: 06/10/10 17:55:59
COMMENT: SDG:1005064 CLIENTID:SDZ-WN30 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.091670	67.99226	.8380447	2.142939	25282.57	.8181695	2.739476
SDEV	.162455	7.50271	.0469760	.329140	354.36	.1672103	.315995
%RSD	177.2181	11.03465	5.605429	15.35926	1.401604	20.43713	11.53488
#1	.0916695	59.79431	.7960826	1.801908	25560.51	.8074561	2.655585
#2	-.217715	69.66515	.8292577	2.168176	25403.68	.6565735	3.088951
#3	-.148963	74.51731	.8887937	2.458734	24883.54	.9904789	2.473891
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.03333	-1.25833	L-240.877	38814.50	84147.12	2.581253	671730.1
SDEV	.79506	.38718	23.226	484.71	433.90	.177597	1483.2
%RSD	76.94154	30.76942	9.642422	1.248773	.5156442	6.880254	.2208002
#1	-.360737	-1.01865	L-221.038	38337.38	84531.93	2.697876	670045.8
#2	-.828489	-1.05133	L-235.168	38799.68	84232.60	2.669024	672840.8
#3	-1.91077	-1.70501	L-266.426	39306.44	83676.85	2.376860	672303.8
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.05337	3.106317	.0011733	1.389783	-.396063	-.677952	2.104765
SDEV	.37975	2.065225	.4082354	.627649	1.123664	1.266450	1.635874
%RSD	18.49416	66.48469	34792.97	45.16165	283.7083	186.8053	77.72240
#1	-2.33683	1.594841	-.303867	1.967847	.7873514	-.432977	3.371500
#2	-1.62190	5.459471	.4649312	1.479335	-1.44850	-2.04899	2.684914
#3	-2.20138	2.264640	-.157544	.7221684	-.527045	.4481144	.2578818
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.377553	2.952851	-2.07123	-2.98015	.4682038	.6158666	.3605272
SDEV	1.958890	.976017	2.01490	3.18687	1.689962	.4024381	.6805691
%RSD	142.2007	33.05338	97.28078	106.9367	360.9458	65.34501	188.7705
#1	3.588530	1.966777	.1953468	-5.69189	2.189364	1.037909	.2454259
#2	.6855088	2.973285	-3.65929	-3.77856	-1.18873	.2364211	-.255152
#3	-.141380	3.918490	-2.74973	.5300146	.4039763	.5732700	1.091307
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.397597	-1.16063	3756.244
SDEV	.861571	.29315	43.711
%RSD	61.64659	25.25770	1.163685
#1	.9630853	-.970237	3803.466
#2	2.389905	-1.01345	3748.066
#3	.8398023	-1.49821	3717.200
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-17 OPERATOR:
RUN TIME: 06/10/10 18:03:08
COMMENT: SDG:1005064 CLIENTID:SDZ-WN10 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0687521	49.02216	.5697985	1.365282	28755.06	1.184765	4.463918
SDEV	.0715595	9.72608	.0106750	.227139	21.85	.275137	.180147
%RSD	104.0833	19.84016	1.873470	16.63678	.0759826	23.22293	4.035631
#1	.0916695	47.18160	.5805963	1.336046	28730.60	1.501509	4.296177
#2	-.011459	59.53700	.5695485	1.605623	28772.64	1.005050	4.654326
#3	.1260456	40.34786	.5592506	1.154176	28761.94	1.047737	4.441251
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.64703	-.735389	L-283.721	38230.88	89637.85	-1.06729	685699.1
SDEV	.06917	.170092	16.246	390.96	649.07	.06211	2512.2
%RSD	4.199616	23.12959	5.725894	1.022630	.7241030	5.819638	.3663702
#1	-1.61061	-.789862	L-297.301	38228.12	89619.65	-1.09901	684129.9
#2	-1.72680	-.871571	L-288.139	38623.20	90295.84	-1.10714	688596.6
#3	-1.60368	-.544732	L-265.724	37841.30	88998.08	-.995723	684370.8
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.61731	3.366181	.2247624	1.208052	-.821755	-1.30892	1.908522
SDEV	.54237	.576776	.1379812	.001996	1.023097	1.11187	.569766
%RSD	33.53527	17.13444	61.38980	.1652282	124.5015	84.94553	29.85376
#1	-1.36908	3.547996	.2232992	1.208530	.0447805	-1.32651	1.396421
#2	-2.23937	3.830141	.0875187	1.209765	-.559635	-2.41188	1.806875
#3	-1.24348	2.720406	.3634695	1.205860	-1.95041	-.188359	2.522270
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.072317	1.846560	-2.15689	-2.06875	-.932546	-.461938	.6157202
SDEV	1.448810	3.276545	.13580	2.53254	2.306762	1.810788	1.916202
%RSD	135.1103	177.4405	6.295969	122.4188	247.3618	391.9979	311.2131
#1	-.541209	4.762837	-2.31370	.7900631	-2.38619	-2.51315	2.823035
#2	2.261767	2.475823	-2.07809	-2.96511	-2.13868	.9148896	-.355080
#3	1.496392	-1.69898	-2.07889	-4.03121	1.727237	.2124437	-.620794
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.048184	-1.40662	4056.444
SDEV	.936083	.19532	35.686
%RSD	45.70308	13.88606	.8797337
#1	2.877062	-1.54064	4048.600
#2	2.234556	-1.49671	4025.333
#3	1.032935	-1.18251	4095.400
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005064-20 OPERATOR:
RUN TIME: 06/10/10 18:10:16
COMMENT: SDG:1005064 CLIENTID:SDZ-WN18 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1031282	32.41047	.5915259	.9269975	30640.86	1.055894	4.250746
SDEV	.1695731	6.42649	.0088003	.1300904	284.82	.314612	.538503
%RSD	164.4294	19.82844	1.487720	14.03352	.9295332	29.79579	12.66843
#1	-.011459	35.78869	.5813665	.9029270	30887.45	1.263205	4.528488
#2	.2979259	36.44330	.5964191	1.067442	30706.02	1.210593	4.593674
#3	.0229174	24.99943	.5967920	.8106233	30329.11	.6938832	3.630077
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.12808	.1198410	L-177.812	33847.71	84517.13	1.296320	645532.8
SDEV	.16471	.2218736	2.584	478.41	729.27	.040205	4083.9
%RSD	14.60125	185.1400	1.453362	1.413426	.8628717	3.101472	.6326352
#1	-1.16614	.2560242	L-180.677	34263.72	84770.92	1.254512	648970.3
#2	-.947670	-.136183	L-177.100	33954.47	85085.61	1.334703	646609.6
#3	-1.27044	.2396816	L-175.658	33324.93	83694.88	1.299745	641018.4
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.39738	5.463334	-.080316	1.508560	-1.66060	.4293239	-.243592
SDEV	.46339	.236266	.326571	.124643	.42710	2.279574	.903242
%RSD	33.16137	4.324577	406.6055	8.262400	25.71971	530.9683	370.8014
#1	-1.43848	5.324389	.1090844	1.437491	-2.13846	3.018382	.1748865
#2	-.914801	5.329477	.1073733	1.435708	-1.31608	-.454063	-1.28018
#3	-1.83884	5.736135	-.457407	1.652483	-1.52724	-1.27635	.3745157
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6748516	1.654439	-3.31856	2.101832	-.408607	-.161614	.6598740
SDEV	2.737841	1.656386	1.25988	5.571646	2.028034	2.366512	.7426320
%RSD	405.6952	100.1177	37.96457	265.0852	496.3287	1464.295	112.5415
#1	-1.75194	2.936136	-4.67491	7.884108	.5862103	-1.65220	.5962189
#2	.1335979	2.243042	-3.09592	-3.23209	.9299246	-1.39975	1.432285
#3	3.642895	-.215862	-2.18484	1.653480	-2.74196	2.567108	-.048882
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.968411	-1.20354	4122.667
SDEV	.378961	.01731	49.111
%RSD	19.25211	1.438611	1.191238
#1	2.073452	-1.22152	4085.733
#2	1.548011	-1.18699	4103.866
#3	2.283771	-1.20211	4178.400
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005078-01 OPERATOR:
RUN TIME: 06/10/10 18:17:24
COMMENT: SDG:1005078 CLIENTID:SDZ-SW03 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.217715	88.47588	.7249369	.9540611	20325.19	.7433303	3.255775
SDEV	.299684	4.63363	.0083883	.1412297	653.63	.1828620	1.060281
%RSD	137.6494	5.237171	1.157102	14.80300	3.215870	24.60037	32.56618
#1	.1260456	85.91782	.7271698	.8753937	20861.57	.8487719	3.966382
#2	-.355219	93.82465	.7156581	.8696838	20516.83	.8490395	3.763879
#3	-.423972	85.68516	.7319828	1.117106	19597.16	.5321795	2.037062
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0849606	.0817096	L-195.087	25914.65	62740.81	-.623184	503652.2
SDEV	1.377822	.5590605	39.225	329.36	931.79	.160457	790.9
%RSD	1621.719	684.2036	20.10662	1.270924	1.485146	25.74792	.1570401
#1	-.302340	-.119841	L-216.444	25770.25	63384.26	-.749672	504335.4
#2	1.614983	.7135986	L-149.817	25682.16	63165.88	-.442692	502785.8
#3	-1.05776	-.348628	L-218.999	26291.54	61672.28	-.677188	503835.5
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.474517	.6392009	-.087592	1.805452	-1.03323	-.417314	4.711953
SDEV	.564518	2.956154	.071587	.849817	1.28198	1.578562	3.179882
%RSD	118.9667	462.4766	81.72776	47.06951	124.0747	378.2670	67.48543
#1	-.278641	2.820065	-.050684	1.430616	-1.86575	1.369071	3.228087
#2	-.034028	1.822911	-.170102	2.778244	.4430523	-1.62432	8.362537
#3	-1.11088	-2.72537	-.041992	1.207496	-1.67699	-.996692	2.545234
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.819222	.9497989	-2.02618	-.150550	-.553414	.1266061	-1.12067
SDEV	1.286205	1.345850	1.29525	4.090752	1.621525	.4538359	1.26443
%RSD	70.70085	141.6984	63.92596	2717.204	293.0041	358.4630	112.8275
#1	1.842661	.4936818	-3.04660	3.902706	.1012455	.3962620	.0793618
#2	3.093548	2.464434	-.569007	-.076563	-2.39992	-.397364	-1.00047
#3	.5214574	-.108719	-2.46291	-4.27779	.6384369	.3809199	-2.44091
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.8468583	1.741148	4140.977
SDEV	.8011956	.287531	57.763
%RSD	94.60799	16.51385	1.394911
#1	.3818301	1.897646	4156.866
#2	1.771995	1.916484	4189.133
#3	.3867498	1.409315	4076.933
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: IBL OPERATOR:
RUN TIME: 06/10/10 18:24:32
COMMENT:
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	98.57912	47743.01	912.3359	1002.582	48479.37	967.4526	981.6140
SDEV	.35725	326.59	5.2683	6.165	319.16	1.6098	6.4618
%RSD	.3623988	.6840662	.5774488	.6149489	.6583456	.1664000	.6582839
#1	98.78538	47742.74	906.2528	1004.023	48478.18	967.3180	988.1000
#2	98.16660	47416.56	915.4143	995.8245	48160.80	965.9142	981.5654
#3	98.78538	48069.74	915.3408	1007.900	48799.12	969.1254	975.1766
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	923.2854	990.5625	24145.53	Q55372.75	50213.31	958.2979	51119.69
SDEV	17.8060	2.4931	154.35	126.43	301.08	10.4356	274.36
%RSD	1.928553	.2516895	.6392520	.2283240	.5996050	1.088973	.5366924
#1	924.5998	987.7844	24154.10	Q55289.67	50370.04	958.2018	50840.37
#2	904.8586	991.2979	23987.07	Q55518.25	49866.19	947.9107	51388.79
#3	940.3978	992.6052	24295.41	Q55310.33	50403.68	968.7812	51129.90
ERRORS	QC PASS	QC PASS	QC PASS	QC FAIL	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	972.6620	1033.078	959.1237	1136.142	980.1678	1044.549	1027.111
SDEV	2.1710	12.344	12.9252	5.651	4.2115	5.971	3.911
%RSD	.2232050	1.194843	1.347607	.4973491	.4296682	.5716651	.3807531
#1	970.6121	1033.044	962.0393	1141.765	984.9208	1050.834	1030.910
#2	974.9366	1045.438	944.9897	1136.197	976.9006	1043.860	1027.327
#3	972.4373	1020.751	970.3420	1130.464	978.6821	1038.951	1023.097
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1039.399	973.5839	983.4519	1068.774	1032.451	1066.204	1014.938
SDEV	4.400	2.9538	5.1979	9.541	4.337	4.876	4.087
%RSD	.4233672	.3033982	.5285399	.8926947	.4201143	.4572974	.4027191
#1	1040.737	975.8469	989.4480	1077.892	1037.323	1064.374	1010.628
#2	1034.486	970.2423	980.2218	1069.571	1031.021	1071.729	1015.429
#3	1042.976	974.6623	980.6860	1058.860	1029.009	1062.507	1018.758
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	989.0259	984.4576	4167.289
SDEV	3.9895	8.1131	3.162
%RSD	.4033766	.8241230	.0758873
#1	985.6022	975.2770	4165.267
#2	988.0686	987.4322	4165.667
#3	993.4070	990.6636	4170.933
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: IBL OPERATOR:
RUN TIME: 06/10/10 18:36:06
COMMENT: SDG: CLIENTID: 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.057293	42.98257	.1700823	.9926563	5059.681	.2885691	1.341700
SDEV	.176404	.48448	.0758469	.1370649	1500.570	.2088424	.492789
%RSD	307.8961	1.127159	44.59421	13.80789	29.65740	72.37170	36.72871
#1	-.252091	43.28044	.1362322	.8738254	6585.749	.1242415	.7838615
#2	.0916695	43.24373	.1170546	1.142605	5007.312	.2178851	1.717847
#3	-.011459	42.42354	.2569600	.9615388	3585.981	.5235808	1.523391
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.732694	-.702705	-75.1452	5174.710	15509.96	-.117676	131149.0
SDEV	.215160	.646765	13.6331	2147.052	5034.09	.063527	42264.1
%RSD	29.36554	92.03938	18.14231	41.49124	32.45718	53.98462	32.22603
#1	-.732650	-1.05133	-87.1441	7334.851	20563.47	-.115462	173592.7
#2	-.947875	-1.10036	-77.9708	5148.288	15470.89	-.182281	130787.6
#3	-.517556	.0435786	-60.3208	3040.992	10495.51	-.055285	89066.74
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.25247	2.407176	-.194249	1.354804	-1.93237	-.382556	1.644021
SDEV	.13441	2.250744	.292228	.346370	1.18220	.985223	1.375813
%RSD	10.73178	93.50141	150.4404	25.56602	61.17858	257.5372	83.68581
#1	-1.38529	2.847926	-.429705	1.431113	-2.16290	-1.16026	.9288500
#2	-1.11652	4.404942	-.285848	.9766434	-2.98232	-.712768	.7730886
#3	-1.25559	-.031340	.1328064	1.656657	-.651888	.7253573	3.230126
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4588585	1.105933	-3.45216	-.132721	-.510205	.7964476	-1.94995
SDEV	.8450846	1.384581	1.52500	1.254394	1.156328	2.628245	.62177
%RSD	184.1711	125.1958	44.17519	945.1346	226.6401	329.9960	31.88656
#1	1.114573	-.374904	-3.05847	-1.58087	-.953178	1.616709	-2.66791
#2	-.494856	1.324426	-5.13540	.6169223	-1.37956	-2.14411	-1.59027
#3	.7568581	2.368277	-2.16261	.5657837	.8021194	2.916742	-1.59167
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.235591	.4820159	4136.778
SDEV	.445848	.3004863	25.113
%RSD	36.08377	62.33950	.6070695
#1	1.660852	.8142370	4145.800
#2	.7716736	.2292230	4108.400
#3	1.274248	.4025876	4156.133
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV1 OPERATOR:
RUN TIME: 06/10/10 18:43:14
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	96.64260	47541.54	924.5666	989.1634	47666.66	965.3058	975.2667
SDEV	2.07893	413.88	28.8114	5.0112	519.13	4.4737	4.8409
%RSD	2.151148	.8705609	3.116210	.5066137	1.089079	.4634518	.4963670
#1	98.20099	47233.79	905.5401	992.6205	47943.74	962.6945	969.8524
#2	97.44471	47378.77	910.4452	991.4534	47988.47	962.7515	976.7703
#3	94.28211	48012.06	957.7144	983.4163	47067.79	970.4716	979.1774
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	927.9661	980.2452	24124.46	Q55786.74	50415.26	957.3810	51364.42
SDEV	13.0140	3.6524	114.90	1478.30	226.44	5.7584	746.13
%RSD	1.402424	.3726045	.4762763	2.649920	.4491476	.6014778	1.452614
#1	930.8721	983.8950	24120.49	54651.61	50176.26	955.3445	50768.78
#2	939.2816	980.2507	24241.29	Q55250.22	50442.92	963.8809	51123.15
#3	913.7448	976.5901	24011.59	Q57458.38	50626.59	952.9175	52201.32
ERRORS	QC PASS	QC PASS	QC PASS	QC FAIL	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	970.5974	1029.689	955.3607	1125.886	989.8153	1049.502	1032.519
SDEV	5.4482	9.342	8.7740	15.236	13.9970	25.438	18.748
%RSD	.5613199	.9072199	.9183976	1.353259	1.414105	2.423798	1.815764
#1	967.4340	1022.655	952.0356	1133.591	979.3117	1029.026	1019.567
#2	967.4699	1026.124	965.3112	1135.731	984.4289	1041.502	1023.973
#3	976.8884	1040.289	948.7352	1108.336	1005.705	1077.978	1054.018
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1031.685	967.0127	1001.196	1054.972	1046.768	1064.904	1022.359
SDEV	10.124	11.7894	26.747	14.399	31.850	1.878	12.873
%RSD	.9813518	1.219153	2.671518	1.364916	3.042694	.1763258	1.259145
#1	1021.622	977.9976	979.9648	1039.303	1023.892	1062.930	1014.811
#2	1031.562	968.4836	992.3866	1057.990	1033.267	1065.114	1015.043
#3	1041.870	954.5569	1031.237	1067.624	1083.145	1066.668	1037.223
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	993.8758	981.8143	4115.844
SDEV	12.9295	5.2323	84.558
%RSD	1.300921	.5329193	2.054460
#1	984.5345	976.0420	4188.866
#2	988.4604	986.2455	4135.466
#3	1008.633	983.1554	4023.200
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB1 OPERATOR:
RUN TIME: 06/10/10 18:50:28
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0572935	51.64460	.2687110	1.337943	386.8586	.5746059	1.533221
SDEV	.1913979	5.42675	.0449160	.084403	2.7223	.2659528	.521759
%RSD	334.0659	10.50788	16.71538	6.308444	.7036818	46.28438	34.03024
#1	.2291738	50.19767	.2971870	1.429307	384.5174	.2912198	1.102953
#2	-.148963	47.08797	.2169325	1.262877	386.2129	.8187691	1.383136
#3	.0916695	57.64816	.2920134	1.321645	389.8457	.6138290	2.113573
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.207233	-.964176	-3.81473	-1408.32	22.30761	.4224869	122.7572
SDEV	.184696	.254396	5.20265	1.94	2.79687	.1058479	27.8656
%RSD	89.12492	26.38485	136.3830	.1374176	12.53775	25.05353	22.69978
#1	-.420476	-1.23109	1.734985	-1408.65	20.15866	.4197723	135.4743
#2	-.103450	-.724494	-8.58158	-1410.07	21.29426	.3180224	141.9955
#3	-.097772	-.936939	-4.59760	-1406.24	25.46991	.5296660	90.80182
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.604363	4.001618	.4554137	1.794738	-.852997	-2.14893	1.295109
SDEV	.969046	1.661932	.0770643	.467728	.113569	.44608	1.070911
%RSD	160.3417	41.53149	16.92183	26.06108	13.31414	20.75838	82.68886
#1	-1.71253	4.125542	.5442872	1.642819	-.880046	-2.58373	2.037715
#2	-.184570	2.281193	.4070988	1.421854	-.950599	-1.69236	1.780107
#3	.0840058	5.598119	.4148550	2.319540	-.728345	-2.17071	.0675045
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1418415	4.355523	-3.45621	-1.04641	-2.70222	.8534418	.2849537
SDEV	.6602296	2.191479	1.26181	3.99223	1.38951	.4305463	1.315559
%RSD	465.4701	50.31494	36.50855	381.5171	51.42093	50.44823	461.6749
#1	-.594360	4.410551	-3.52422	-3.79412	-1.98229	.9490141	.0417848
#2	.3384540	6.518969	-4.68263	3.532981	-4.30397	.3831399	-.892057
#3	.6814308	2.137048	-2.16176	-2.87808	-1.82042	1.228171	1.705133
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.294081	.1656446	4230.422
SDEV	1.401286	.1308671	17.958
%RSD	61.08268	79.00474	.4245052
#1	3.498667	.0176527	4243.066
#2	2.627380	.2131830	4238.333
#3	.7561961	.2660981	4209.866
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0051443-DUP1 OPERATOR:
RUN TIME: 06/10/10 18:57:37
COMMENT: SDG:1005078 CLIENTID:SDZ-SW03D 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6302280	81.42454	.8074612	1.066539	20398.42	.7632126	3.487608
SDEV	1.052455	3.66491	.0928714	.235881	382.65	.1091702	.382575
%RSD	166.9958	4.500991	11.50165	22.11646	1.875904	14.30403	10.96954
#1	1.844849	77.21941	.8597038	1.313129	19998.14	.8430527	3.060094
#2	-.011459	83.11569	.7002343	.8430707	20760.60	.8077751	3.797734
#3	.0572935	83.93851	.8624455	1.043416	20436.50	.6388100	3.604998
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.16324	1.334593	L-225.747	25602.85	63117.02	-.707464	501296.8
SDEV	.65504	.099404	9.607	145.15	888.32	.196269	1947.9
%RSD	56.31189	7.448284	4.255721	.5669343	1.407418	27.74269	.3885795
#1	-1.91703	1.285567	L-228.359	25596.35	62265.47	-.927397	499681.4
#2	-.732189	1.448987	L-215.104	25751.15	64038.04	-.550128	503460.0
#3	-.840503	1.269225	L-233.779	25461.06	63047.56	-.644866	500749.1
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.99147	7.133350	.9633404	1.127105	-1.12406	-.142263	2.025902
SDEV	1.24697	.722059	1.529271	.130085	.31538	1.881736	.325831
%RSD	62.61549	10.12230	158.7467	11.54153	28.05678	1322.720	16.08324
#1	-3.33332	6.605136	2.722599	1.202438	-1.16106	-.896422	2.202901
#2	-1.77276	7.956127	-.048302	.9768955	-1.41931	-1.52994	1.649880
#3	-.868323	6.838788	.2157249	1.201981	-.791823	1.999573	2.224924
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3754255	6.820449	-5.09327	4.876370	-2.65072	2.208277	-.553714
SDEV	1.812565	8.287934	4.21575	7.852327	3.73184	3.259067	1.970583
%RSD	482.8029	121.5160	82.77103	161.0281	140.7856	147.5841	355.8847
#1	-.601487	16.39024	-9.92646	11.23604	-6.95647	5.588663	1.635574
#2	2.466887	2.100452	-3.17948	-3.90034	-.349435	-.914138	-1.11127
#3	-.739123	1.970656	-2.17388	7.293412	-.646267	1.950305	-2.18544
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.295271	.6919344	4155.822
SDEV	.797964	.2048979	23.668
%RSD	34.76556	29.61233	.5695112
#1	3.192473	.4757198	4149.066
#2	1.664962	.7168456	4136.267
#3	2.028379	.8832378	4182.133
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: SDI1005078-01 OPERATOR:
RUN TIME: 06/10/10 19:04:45
COMMENT: SDG:1005078 CLIENTID:SDZ-SW03L 1:75
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.034376	36.45911	.1681334	.8763528	4199.735	.0084585	1.206562
SDEV	.258011	7.52413	.0917387	.2245920	49.697	.4072218	.174078
%RSD	750.5553	20.63718	54.56306	25.62804	1.183335	4814.365	14.42764
#1	.2291738	33.53706	.0879066	.7571497	4252.997	.2315194	1.387572
#2	-.286467	30.83431	.1483407	.7364936	4191.600	-.461558	1.040361
#3	-.045835	45.00594	.2681529	1.135415	4154.607	.2554144	1.191753
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.660337	-.975070	-78.7400	3949.019	12760.77	-.220076	107483.4
SDEV	.125979	.173204	10.1421	33.016	101.81	.107080	369.7
%RSD	19.07801	17.76320	12.88052	.8360623	.7978184	48.65619	.3439991
#1	-.514874	-1.00231	-83.9622	3934.627	12878.31	-.326529	107670.8
#2	-.734134	-1.13304	-85.2070	3925.643	12700.33	-.221319	107057.5
#3	-.732003	-.789862	-67.0510	3986.789	12703.66	-.112379	107722.0
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.66515	1.210350	-.055289	1.731952	.0508212	-.760503	1.662473
SDEV	.61792	1.888921	.491579	.519017	1.116918	1.127408	1.735635
%RSD	37.10885	156.0641	889.1151	29.96716	2197.742	148.2451	104.4008
#1	-1.64374	2.451359	-.009422	1.432871	-1.11412	.4687929	3.164734
#2	-2.29350	-.963520	-.568193	2.331261	1.112555	-1.74619	2.060183
#3	-1.05822	2.143210	.4117495	1.431724	.1540255	-1.00411	-.237499
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6747069	3.096311	-1.47255	-.040068	-1.12309	.2933166	.2847856
SDEV	.5679118	.713782	1.83813	.833590	1.30959	2.908658	.9365516
%RSD	84.17163	23.05266	124.8260	2080.463	116.6060	991.6446	328.8620
#1	.0190674	3.047664	-3.19481	.6970666	.3519047	-1.00989	1.049365
#2	.9912791	2.408097	.4628605	-.944683	-2.14924	3.625691	-.759843
#3	1.013774	3.833172	-1.68571	.1274134	-1.57194	-1.73585	.5648344
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.104876	.2764330	4147.555
SDEV	.477817	.1799440	20.385
%RSD	43.24619	65.09499	.4914918
#1	.8963180	.3115825	4132.133
#2	1.651520	.0815076	4170.667
#3	.7667901	.4362088	4139.866
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005078-02 OPERATOR:
RUN TIME: 06/10/10 19:11:54
COMMENT: SDG:1005078 CLIENTID:SDZ-WN12 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.217715	46.08794	.7431921	1.414300	29696.82	.8586194	3.020301
SDEV	.214679	7.37601	.0600086	.321336	167.48	.0264805	.135713
%RSD	98.60523	16.00420	8.074446	22.72050	.5639513	3.084076	4.493357
#1	-.458348	45.44851	.7811429	1.447603	29562.47	.8855989	2.932953
#2	-.148963	39.05247	.6740087	1.077609	29884.45	.8575915	2.951301
#3	-.045835	53.76285	.7744247	1.717688	29643.52	.8326679	3.176651
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.36551	-.174315	L-276.321	38270.17	85927.82	4.985326	671488.3
SDEV	1.22100	.456504	31.597	576.21	222.17	.204214	4523.7
%RSD	89.41734	261.8851	11.43496	1.505629	.2585527	4.096293	.6736778
#1	-2.76163	-.577417	L-312.545	38545.49	86182.45	4.887279	675334.9
#2	-.837686	.3213915	L-254.429	37607.95	85827.55	5.220074	666504.6
#3	-.497213	-.266918	L-261.991	38657.07	85773.46	4.848627	672625.6
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.84700	3.493575	-.049715	1.440881	-.881824	.9812616	.5644373
SDEV	1.47268	1.478675	.290262	.847501	1.568068	.3677530	3.518790
%RSD	79.73338	42.32554	583.8560	58.81824	177.8209	37.47757	623.4155
#1	-3.54677	2.037326	-.345444	.4971178	.3518102	.5707032	-3.41615
#2	-1.04014	4.993699	.2347517	2.136908	-.350841	1.280475	1.848987
#3	-.954083	3.449701	-.038451	1.688619	-2.64644	1.092607	3.260475
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.563128	.5249738	-1.58720	-.578371	1.756882	.3580601	-.913247
SDEV	2.129977	.1016131	2.37835	3.668815	1.298734	.9793534	1.595697
%RSD	378.2400	19.35584	149.8459	634.3359	73.92263	273.5165	174.7278
#1	-3.01293	.5550617	.2472751	-4.34396	3.021291	1.000819	.9293039
#2	.8505492	.4117145	-.734523	2.985329	.4263501	.8424587	-1.83317
#3	.4730007	.6081452	-4.27434	-.376477	1.823006	-.769098	-1.83587
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.011506	-1.30241	3992.289
SDEV	.672343	.27383	59.478
%RSD	66.46948	21.02453	1.489819
#1	.3954506	-1.61858	3945.867
#2	.9103859	-1.14730	4059.333
#3	1.728681	-1.14136	3971.666
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005078-03 OPERATOR:
RUN TIME: 06/10/10 19:19:02
COMMENT: SDG:1005078 CLIENTID:SDZ-WN15 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0229174	95.17876	1.191288	1.671118	36853.40	.9643493	3.856957
SDEV	.0687521	7.79374	.031038	.350326	1201.82	.3156782	.630062
%RSD	300.0000	8.188532	2.605439	20.96359	3.261082	32.73484	16.33571
#1	.0916695	103.6870	1.222797	1.908132	35965.16	.6107535	3.437298
#2	.0229174	93.46417	1.190323	1.836507	36374.13	1.064465	3.552110
#3	-.045835	88.38506	1.160743	1.268715	38220.91	1.217830	4.581464
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.86425	-1.69956	L-242.304	43649.89	96803.09	9.034024	H738308.4
SDEV	1.98440	.65579	42.628	1168.51	1417.21	.551116	6681.5
%RSD	106.4451	38.58552	17.59285	2.677009	1.464011	6.100445	.9049807
#1	-.603512	-1.32915	L-218.671	44278.40	95647.63	9.056158	H739814.2
#2	-4.15165	-2.45674	L-291.514	44369.64	96377.25	8.472175	H744108.6
#3	-.837587	-1.31280	L-216.727	42301.64	98384.40	9.573739	H731002.5
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC HIGH
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.31586	3.109831	.1027334	.7252539	-1.30651	.4113830	.9323049
SDEV	1.81127	1.741329	.6568061	1.458899	1.82003	.5024596	5.787361
%RSD	78.21152	55.99433	639.3305	201.1570	139.3047	122.1391	620.7583
#1	-.661279	4.316483	-.016299	1.459286	L-3.14322	-.062760	3.478730
#2	-4.25107	3.899421	-.486416	-.954882	.4963711	.9380348	-5.69164
#3	-2.03524	1.113587	.8109158	1.671358	-1.27268	.3588747	5.009824
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.67706	5.895143	-4.90499	3.048916	-.908457	.1459035	.5898261
SDEV	3.75208	7.273968	1.16152	4.038398	1.688359	1.785710	.4381388
%RSD	140.1569	123.3892	23.68044	132.4536	185.8490	1223.898	74.28271
#1	-1.94054	-.306644	-4.56247	2.989567	-1.58973	1.910150	.4479999
#2	L-6.74279	13.90154	-6.19926	7.116662	-2.14974	-1.66052	1.081310
#3	.6521511	4.090529	-3.95324	-.959481	1.014094	.1880838	.2401686
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.8922574	.1574281	3961.155
SDEV	1.107932	.6509436	93.057
%RSD	124.1718	413.4862	2.349238
#1	2.162704	.2015193	3906.266
#2	.1266999	-.514440	3908.600
#3	.3873679	.7852053	4068.600
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005078-04 OPERATOR:
RUN TIME: 06/10/10 19:26:11
COMMENT: SDG:1005078 CLIENTID:SDZ-WN13 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0343761	35.42239	.5800719	1.064305	28175.71	.9062432	3.413992
SDEV	.1695731	5.27348	.0420632	.196953	413.96	.1482996	.381874
%RSD	493.2883	14.88743	7.251384	18.50528	1.469225	16.36422	11.18557
#1	-.080211	29.34600	.6270560	1.234619	27822.94	1.015643	3.703781
#2	.2291738	38.80363	.5672421	.8486292	28631.44	.9656331	3.556926
#3	-.045835	38.11755	.5459175	1.109665	28072.75	.7374533	2.981270
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.72076	2.734554	L-254.649	38397.93	90550.16	-2.20234	693135.2
SDEV	2.55905	.976469	59.187	756.33	1007.74	.49904	6811.6
%RSD	148.7160	35.70853	23.24248	1.969703	1.112903	22.65929	.9827291
#1	-4.32710	1.710458	L-313.795	38874.19	89481.53	-2.70646	695019.7
#2	.7882177	3.655151	L-195.422	37525.84	91483.29	-1.70854	685579.8
#3	-1.62340	2.838053	L-254.731	38793.77	90685.67	-2.19203	698806.2
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.23918	.8703956	.3826343	1.499620	-.264411	.3296507	1.814242
SDEV	2.03188	3.085980	.1354087	1.738854	1.042293	1.736764	5.978872
%RSD	163.9705	354.5491	35.38853	115.9530	394.1949	526.8498	329.5521
#1	-2.85319	-1.64993	.3760757	-.213537	.4620973	.5592287	-3.32150
#2	1.042541	-.051013	.5212031	3.263080	.2033074	-1.51048	8.377739
#3	-1.90688	4.312128	.2506241	1.449318	-1.45864	1.940208	.3864892
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.650694	2.006972	-1.40140	2.499345	-.756573	.4340195	-.777149
SDEV	5.722976	11.44466	5.31387	8.989906	3.288459	1.335639	1.153879
%RSD	879.5185	570.2451	379.1822	359.6904	434.6517	307.7371	148.4759
#1	L-7.25671	14.79732	-6.69781	10.78987	-4.55146	.3977100	-2.08584
#2	2.803482	-7.26664	3.929753	-7.05599	1.255179	-.883095	.0938240
#3	2.501147	-1.50976	-1.43615	3.764157	1.026565	1.787443	-.339428
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.659360	-1.23515	4023.755
SDEV	.528327	.86220	86.183
%RSD	31.83922	69.80493	2.141858
#1	1.862913	-2.10868	3969.533
#2	2.055633	-.384750	4123.133
#3	1.059533	-1.21203	3978.600
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV1 OPERATOR:
RUN TIME: 06/10/10 19:33:20
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	99.33540	47154.02	924.4701	1000.243	48634.56	974.0359	982.2560
SDEV	.33857	338.34	2.6660	7.890	440.69	6.2427	11.7397
%RSD	.3408307	.7175143	.2883781	.7887585	.9061270	.6409101	1.195173
#1	99.06039	46770.20	927.2433	991.1481	48125.72	970.2805	971.6121
#2	99.71353	47409.04	924.2409	1004.339	48884.09	970.5851	980.3081
#3	99.23226	47282.82	921.9262	1005.243	48893.86	981.2423	994.8478
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	926.1719	986.4988	24195.84	54482.58	50090.96	961.1858	50699.34
SDEV	16.5295	1.8761	334.01	337.59	683.87	12.8084	199.85
%RSD	1.784714	.1901826	1.380441	.6196262	1.365253	1.332564	.3941958
#1	910.6975	984.5486	23913.31	54379.13	49554.00	949.8439	50488.88
#2	924.2328	988.2909	24109.73	54208.83	49858.01	958.6365	50722.59
#3	943.5855	986.6567	24564.47	54859.79	50860.87	975.0773	50886.56
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	978.0839	1024.176	955.3123	1143.962	985.0528	1035.027	1030.152
SDEV	8.3785	16.780	9.4714	11.596	7.2169	7.556	10.631
%RSD	.8566281	1.638352	.9914496	1.013686	.7326373	.7299852	1.031945
#1	976.3815	1011.852	944.7122	1134.951	982.7408	1031.974	1024.527
#2	970.6873	1017.389	958.2809	1139.890	979.2752	1029.476	1023.517
#3	987.1829	1043.286	962.9438	1157.045	993.1423	1043.632	1042.414
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1028.808	981.1985	986.9738	1050.376	1027.362	1062.261	1013.958
SDEV	8.367	7.1471	8.5959	2.025	10.321	13.942	10.625
%RSD	.8132403	.7284048	.8709324	.1928138	1.004642	1.312519	1.047864
#1	1023.780	985.0090	981.6053	1049.359	1023.292	1060.882	1008.439
#2	1024.178	972.9536	982.4281	1049.061	1019.696	1049.059	1007.228
#3	1038.466	985.6329	996.8881	1052.709	1039.098	1076.841	1026.207
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	996.2986	981.1870	4203.311
SDEV	12.6283	7.3960	29.449
%RSD	1.267517	.7537777	.7006200
#1	989.5821	972.7035	4216.800
#2	988.4479	984.5781	4223.600
#3	1010.866	986.2794	4169.533
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB1 OPERATOR:
RUN TIME: 06/10/10 19:40:28
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.114587	54.11743	.3645344	1.511495	389.2613	.0887504	-.161718
SDEV	.090951	6.37772	.0162258	.227802	.8429	.0300132	.617931
%RSD	79.37254	11.78497	4.451090	15.07133	.2165315	33.81752	382.1039
#1	-.045835	59.20305	.3738832	1.551835	389.8159	.0545465	.5134661
#2	-.217715	46.96184	.3457985	1.266217	389.6767	.1010192	-.699145
#3	-.080211	56.18740	.3739215	1.716432	388.2914	.1106855	-.299476
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1292401	-.659126	7.255130	-1408.30	24.31065	.3940856	121.7658
SDEV	.4237026	.170615	9.816332	.62	1.15512	.0639282	66.9703
%RSD	327.8414	25.88503	135.3019	.0443405	4.751517	16.22189	54.99927
#1	.6133519	-.740835	16.65331	-1408.55	24.22683	.4676143	44.92527
#2	-.174059	-.463022	8.043843	-1407.59	25.50540	.3516680	152.6581
#3	-.051572	-.773520	-2.93176	-1408.76	23.19972	.3629746	167.7141
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.137551	4.577557	.3701015	1.056171	-1.95740	1.557277	.6926021
SDEV	.711441	1.672748	.1717595	.136062	.50752	2.111859	.6609981
%RSD	517.2204	36.54237	46.40876	12.88253	25.92811	135.6123	95.43692
#1	.5809529	2.770899	.4700986	1.213281	-1.43147	-.718235	.7916874
#2	-.841713	6.072558	.1717731	.9775440	-1.99649	1.935767	1.298464
#3	-.151893	4.889213	.4684330	.9776878	-2.44424	3.454299	-.012345
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.415811	1.474454	-3.67376	.9034229	1.880707	.4084581	.8377120
SDEV	2.306195	.490338	.92732	6.336657	3.488032	.5017264	.9735724
%RSD	162.8887	33.25556	25.24169	701.4053	185.4639	122.8342	116.2180
#1	2.643569	.9719241	-2.63438	-4.19699	1.015524	.0657489	-.103137
#2	-1.24453	1.951615	-3.97056	7.997037	-1.09331	.1752856	1.841002
#3	2.848391	1.499822	-4.41635	-1.08978	5.719903	.9843398	.7752705
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.196157	.4601106	4014.400
SDEV	.512243	.1286371	30.079
%RSD	23.32452	27.95787	.7492841
#1	1.845125	.5984419	4008.666
#2	1.959393	.4378046	4046.933
#3	2.783954	.3440852	3987.600
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005078-07 OPERATOR:
RUN TIME: 06/10/10 19:47:37
COMMENT: SDG:1005078 CLIENTID:SDZ-WN14 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.103128	158.5305	.8655108	1.075453	31999.22	.9467949	3.429108
SDEV	.296379	8.1766	.1546525	.188172	506.50	.0717906	.839479
%RSD	287.3893	5.157727	17.86835	17.49696	1.582846	7.582492	24.48097
#1	-.045835	160.5696	.9977052	1.268791	32157.54	.9761932	4.365978
#2	.1604217	149.5273	.9033887	.8929130	32407.65	.9992204	3.176151
#3	-.423972	165.4945	.6954383	1.064653	31432.48	.8649713	2.745195
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.434180	2.440399	L-122.107	35848.41	88053.99	2.092046	673048.1
SDEV	.391422	.321207	7.913	621.41	82.33	.104020	4242.4
%RSD	90.15188	13.16206	6.480715	1.733427	.0935042	4.972162	.6303276
#1	-.837612	2.200717	L-130.508	35843.69	88067.34	2.014227	671019.5
#2	-.408938	2.805369	L-121.017	35229.37	87965.80	2.051719	670200.8
#3	-.055990	2.315111	L-114.795	36472.16	88128.84	2.210191	677923.9
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.35574	.2354454	.2161691	2.130570	-1.92325	-.151295	.7329477
SDEV	.28962	1.465415	.5613703	.019430	.96533	.797116	1.119749
%RSD	21.36272	622.4011	259.6904	.9119427	50.19274	526.8604	152.7734
#1	-1.37312	1.832245	.5467766	2.128580	L-3.03727	.7635049	.3617631
#2	-1.05782	-1.04784	.5337324	2.112211	-1.39930	-.520668	1.991156
#3	-1.63628	-.078070	-.432002	2.150917	-1.33319	-.696723	-.154076
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2036708	.1545493	-2.96356	1.977105	-1.21686	-1.69593	-2.67138
SDEV	1.764452	3.200639	3.04324	2.334098	.42168	4.04111	3.14990
%RSD	866.3257	2070.951	102.6888	118.0563	34.65342	238.2829	117.9131
#1	-1.47991	3.829623	-6.46853	4.381205	-1.04559	.9170712	-.497655
#2	2.039169	-1.34465	-1.42949	1.830157	-1.69723	.3456659	-1.23275
#3	.0517553	-2.02132	-.992655	-.280047	-.907759	-6.35053	-6.28372
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.3866867	3.025024	4084.533
SDEV	.5645957	.400039	67.345
%RSD	146.0085	13.22432	1.648771
#1	1.034438	2.859707	4089.000
#2	-.001078	3.481224	4149.533
#3	.1266999	2.734139	4015.066
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005078-08 OPERATOR:
RUN TIME: 06/10/10 19:54:46
COMMENT: SDG:1005078 CLIENTID:SDZ-WN11 1:15
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.137504	167.1287	1.161384	.9775337	33741.73	.5925991	2.735075
SDEV	.138929	4.9597	.049510	.1705524	418.62	.1440563	.435658
%RSD	101.0363	2.967618	4.263050	17.44722	1.240663	24.30923	15.92856
#1	-.286467	172.8517	1.176965	1.079895	34126.84	.7419718	3.237317
#2	-.114587	164.4526	1.105957	.7806487	33802.19	.4545246	2.459202
#3	-.011459	164.0818	1.201229	1.072057	33296.17	.5813011	2.508706
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.261130	2.353242	L-152.313	37429.76	85998.95	9.160559	668719.6
SDEV	1.127835	.161226	34.078	416.78	659.82	.287291	5293.6
%RSD	431.9055	6.851230	22.37349	1.113495	.7672425	3.136172	.7916083
#1	1.001343	2.462189	L-112.965	36950.64	86257.90	9.290084	662818.4
#2	-.615539	2.429505	L-171.667	37708.56	86490.02	9.360284	673050.4
#3	-1.16919	2.168033	L-172.307	37630.09	85248.94	8.831309	670289.8
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.04881	1.959531	.2669151	10.92451	-.293917	.0149941	4.892321
SDEV	.88609	3.259161	.5095501	1.31245	1.773327	.8201169	3.102274
%RSD	84.48522	166.3235	190.9034	12.01378	603.3428	5469.585	63.41108
#1	-.205313	-1.61963	-.154471	12.38207	.9875779	-.664176	8.083526
#2	-.969016	4.756261	.1219860	10.55511	-2.31778	.9261017	4.706068
#3	-1.97209	2.741958	.8332298	9.836348	.4484536	-.216944	1.887371
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.141677	-2.12647	.6178938	-1.31180	.6744258	.2711827	-1.66216
SDEV	1.898194	3.23983	3.090711	8.25094	3.656058	3.282058	1.03502
%RSD	88.63117	152.3574	500.2010	628.9785	542.0994	1210.275	62.26950
#1	4.028789	-5.00825	3.977706	-10.4925	4.239704	-1.04676	-2.67191
#2	2.163652	-2.75151	-2.10424	1.073171	.8496813	-2.14705	-.603600
#3	.2325916	1.380344	-.019784	5.483951	-3.06611	4.007356	-1.71097
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.253310	4.015412	4067.044
SDEV	.358495	.708010	54.642
%RSD	28.60386	17.63232	1.343529
#1	1.667263	4.813859	4129.999
#2	1.047228	3.768314	4031.933
#3	1.045438	3.464066	4039.200
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0060726-BLK1 OPERATOR:
RUN TIME: 06/10/10 20:01:54
COMMENT: SDG:1006047 CLIENTID:PBW 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0802108	36.04522	.2000739	.3889752	423.1872	.1306032	.5018385
SDEV	.0793881	5.09678	.0347198	.1829966	1.3712	.0950662	.1213035
%RSD	98.97433	14.13997	17.35352	47.04583	.3240149	72.79011	24.17182
#1	.1260456	38.95654	.1603558	.5572309	421.6058	.1213640	.6394593
#2	.1260456	30.16007	.2152077	.1941438	423.9092	.2299516	.4556100
#3	-.011459	39.01904	.2246580	.4155510	424.0464	.0404939	.4104463
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000
LOW	-5.00000	-200.000	-200.000	-5.00000	-5000.00	-5.00000	-5.00000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.426156	-.898808	.5052132	-1426.68	15.17681	-.028413	299.9002
SDEV	.277047	.290654	5.831315	3.38	1.32678	.057458	80.2224
%RSD	65.01058	32.33773	1154.228	.2371974	8.742172	202.2279	26.74970
#1	-.112315	-1.21475	3.873550	-1430.59	14.49706	.0058207	223.7045
#2	-.636766	-.642784	-6.22821	-1424.90	16.70572	.0036897	292.3767
#3	-.529388	-.838888	3.870299	-1424.57	14.32765	-.094748	383.6193
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000
LOW	-5.00000	-5.00000	-100.000	-5000.00	-5000.00	-10.0000	-5000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.98912	-.065324	.0399353	2.221444	1.143561	-.867495	6.966354
SDEV	.59751	.387940	.1537870	.332482	1.049395	.345945	1.047109
%RSD	30.03883	593.8657	385.0908	14.96693	91.76560	39.87865	15.03095
#1	-1.52507	-.462318	-.137570	1.856676	1.081907	-1.04309	8.174013
#2	-1.77898	.3128789	.1242876	2.507521	.1263512	-.468968	6.413585
#3	-2.66331	-.046535	.1330881	2.300136	2.222424	-1.09043	6.311464
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000
LOW	-40.0000	-10.0000	-20.0000	-20.0000	-3.00000	-5.00000	-10.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.7532740	6.914464	-1.74038	-8.07597	2.728522	-.642300	-.514330
SDEV	1.556504	2.470952	.45474	3.95660	1.624878	1.588485	.825478
%RSD	206.6319	35.73599	26.12883	48.99220	59.55159	247.3122	160.4959
#1	-1.04389	6.157944	-1.45512	-12.3042	4.576232	-1.29641	-1.24797
#2	1.670800	4.910212	-2.26480	-4.46320	1.522347	1.168800	-.674528
#3	1.632911	9.675236	-1.50122	-7.46047	2.086987	-1.79929	.3795057
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	10.00000					100.0000	50.00000
LOW	-10.0000					-100.000	-50.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.404543	-.096038	4286.267
SDEV	.191050	.044269	18.358
%RSD	13.60233	46.09475	.4282950
#1	1.611240	-.053265	4283.800
#2	1.234430	-.093185	4305.733
#3	1.367959	-.141664	4269.267
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	5.000000	40.00000	
LOW	-5.00000	-40.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0060726-BS1 OPERATOR:
RUN TIME: 06/10/10 20:09:03
COMMENT: SDG:1006047 CLIENTID:LCSW 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	903.0480	19989.25	18654.74	502.6503	47152.27	466.8073	4746.979
SDEV	11.5384	304.16	168.06	2.9245	396.53	4.0362	38.402
%RSD	1.277719	1.521626	.9008778	.5818136	.8409460	.8646488	.8089677
#1	915.3890	19638.17	18492.62	500.9802	47099.66	464.8822	4719.449
#2	901.2261	20173.22	18828.16	506.0271	47572.48	471.4457	4790.848
#3	892.5289	20156.37	18643.44	500.9435	46784.68	464.0939	4730.639
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1200.000	24000.00	24000.00	600.0000	60000.00	600.0000	6000.000
LOW	800.0000	16000.00	16000.00	400.0000	40000.00	400.0000	4000.000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	924.5017	2461.192	9341.615	57714.49	48936.68	1416.845	52328.89
SDEV	10.5702	2.381	70.679	1309.49	528.65	11.150	774.23
%RSD	1.143341	.0967500	.7565996	2.268905	1.080267	.7869500	1.479546
#1	920.3658	2458.495	9297.858	56274.64	48420.34	1407.049	51492.57
#2	936.5145	2462.074	9423.155	58034.56	49476.83	1428.978	52473.43
#3	916.6248	2463.006	9303.833	58834.27	48912.85	1414.507	53020.66
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1200.000	3000.000	12000.00	60000.00	60000.00	1800.000	60000.00
LOW	800.0000	2000.000	8000.000	40000.00	40000.00	1200.000	40000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3737.337	993.5115	4861.942	1768.414	283.6232	488.5662	6026.462
SDEV	20.444	13.6860	129.304	19.083	1.9565	4.1317	28.595
%RSD	.5470237	1.377543	2.659522	1.079097	.6898239	.8456719	.4744826
#1	3732.073	977.7571	4737.593	1771.796	285.5574	485.9297	5994.104
#2	3759.898	1000.313	4995.689	1785.580	283.6672	486.4409	6048.328
#3	3720.040	1002.464	4852.546	1747.866	281.6451	493.3279	6036.956
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	4800.000	1200.000	6000.000	2400.000	360.0000	600.0000	7200.000
LOW	3200.000	800.0000	4000.000	1600.000	240.0000	400.0000	4800.000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	998.0245	278.5645	286.1449	489.2692	488.2121	1022.463	1014.253
SDEV	10.0501	1.3589	3.1621	7.4258	2.6190	8.673	8.193
%RSD	1.006999	.4878372	1.105055	1.517731	.5364566	.8482851	.8077548
#1	989.0183	277.4611	289.5956	483.3804	487.1994	1012.527	1005.121
#2	1008.866	280.0825	285.4529	486.8160	486.2506	1028.522	1016.679
#3	996.1896	278.1499	283.3861	497.6112	491.1863	1026.339	1020.959
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	1200.000					1205.000	1205.000
LOW	800.0000					795.0000	795.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	968.6454	988.1273	3936.266
SDEV	1.2047	6.7400	67.621
%RSD	.1243705	.6821009	1.717886
#1	968.8707	981.8979	4010.867
#2	967.3440	987.2018	3918.933
#3	969.7216	995.2823	3879.000
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	1205.000	1205.000	
LOW	795.0000	795.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1006047-01 OPERATOR:
RUN TIME: 06/10/10 20:16:11
COMMENT: SDG:1006047 CLIENTID:5-24-10 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	8.960696	809.0371	.6138321	1.560066	1205.219	2.614242	2.027325
SDEV	.281380	17.6083	.1129389	.476211	29.014	.013415	.607699
%RSD	3.140163	2.176451	18.39899	30.52506	2.407381	.5131363	29.97543
#1	8.720064	821.0320	.6056451	1.978767	1172.013	2.622755	1.329780
#2	9.270081	817.2573	.7306417	1.659411	1225.676	2.598778	2.442215
#3	8.891944	788.8219	.5052094	1.042018	1217.968	2.621191	2.309980
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	172.7110	40.78408	72.50330	6694.661	300.1809	2.826396	422108.3
SDEV	1.1770	.84395	8.71463	195.176	6.0799	.017181	4811.0
%RSD	.6814949	2.069303	12.01963	2.915399	2.025421	.6078923	1.139766
#1	171.4823	39.81991	81.08504	6885.858	299.8943	2.811587	424476.2
#2	173.8284	41.14361	63.66161	6702.391	306.3990	2.822367	425276.5
#3	172.8224	41.38874	72.76324	6495.735	294.2493	2.845234	416572.2
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	53.11588	-.629793	2.001185	68.47649	.5543999	.8455248	6.903336
SDEV	.70012	1.636226	.472184	2.74239	.2768097	.9564754	1.941328
%RSD	1.318091	259.8038	23.59523	4.004863	49.92961	113.1221	28.12159
#1	52.61282	-1.84258	1.533397	65.31139	.8425685	.8579761	9.082871
#2	53.91546	1.231230	2.477645	70.14452	.5300768	-.117116	6.267414
#3	52.81935	-1.27803	1.992513	69.97356	.2905544	1.795714	5.359723
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.309250	7.139761	-2.73659	-9.09188	5.803782	84.92868	1.179022
SDEV	.866951	2.478393	1.06520	2.92779	1.542184	4.45528	2.641175
%RSD	66.21739	34.71255	38.92438	32.20228	26.57204	5.245911	224.0140
#1	.9758943	7.538404	-2.50380	-12.1228	7.335573	83.07122	1.198484
#2	2.293400	9.394669	-3.89894	-8.87327	4.251412	90.01216	3.810412
#3	.6584562	4.486209	-1.80704	-6.27951	5.824362	81.70267	-1.47183
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	15.35303	.2398648	4035.355
SDEV	.92834	.1369585	113.975
%RSD	6.046599	57.09821	2.824411
#1	14.59300	.3847911	3919.066
#2	16.38770	.1125845	4040.133
#3	15.07839	.2222189	4146.866
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: SDI1006047-01 OPERATOR:
RUN TIME: 06/10/10 20:23:20
COMMENT: SDG:1006047 CLIENTID:5-24-10L 1:5
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.741721	176.6165	.0597294	.7850636	542.8162	.2072295	.4135631
SDEV	.103128	2.7507	.0439326	.0423963	2.6304	.0785624	.0456179
%RSD	5.921054	1.557430	73.55268	5.400372	.4845891	37.91079	11.03047
#1	1.638593	173.6520	.0100035	.7938302	539.8187	.1344410	.4294870
#2	1.844849	179.0862	.0932856	.7389692	544.7395	.1967364	.4490848
#3	1.741721	177.1112	.0758993	.8223913	543.8904	.2905111	.3621177
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	34.25240	7.370224	10.68220	43.21817	64.18021	.4315428	88105.66
SDEV	.50711	.123740	3.19654	9.87801	1.65729	.1030649	848.32
%RSD	1.480523	1.678918	29.92404	22.85615	2.582250	23.88290	.9628485
#1	33.67323	7.315750	9.969246	32.04825	62.64642	.4247702	87171.82
#2	34.46723	7.511855	14.17502	50.80306	63.95602	.5378270	88828.72
#3	34.61673	7.283067	7.902324	46.80318	65.93818	.3320312	88316.46
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	8.709893	3.094207	.3463576	14.69273	-1.11425	.3485994	3.237514
SDEV	.788964	1.716903	.0070742	.23092	.72520	1.000279	.752541
%RSD	9.058255	55.48765	2.042457	1.571686	65.08435	286.9422	23.24442
#1	8.728889	3.578336	.3382652	14.42821	-1.20052	1.454133	2.432837
#2	9.489188	4.517066	.3494403	14.79582	-1.79245	.0854963	3.355793
#3	7.911602	1.187220	.3513674	14.85415	-.349768	-.493831	3.923912
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.033668	2.323476	-2.83354	-2.36579	1.700871	15.13949	-.962811
SDEV	2.199668	.286526	1.02739	3.14987	.177627	2.70918	.781745
%RSD	6533.362	12.33178	36.25801	133.1423	10.44332	17.89482	81.19403
#1	2.506273	2.597639	-3.09962	.9852163	1.685374	18.17621	-.062813
#2	-1.29584	2.026010	-3.70172	-2.81666	1.531500	12.97042	-1.47304
#3	-1.31144	2.346779	-1.69929	-5.26594	1.885739	14.27183	-1.35258
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	3.086940	-.004136	4176.066
SDEV	.051908	.064055	31.516
%RSD	1.681526	1548.908	.7546912
#1	3.146452	-.073053	4211.066
#2	3.051012	.0535795	4167.200
#3	3.063354	.0070668	4149.933
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1006047-02 OPERATOR:
RUN TIME: 06/10/10 20:30:28
COMMENT: SDG:1006047 CLIENTID:5-25-10 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	6.141859	500.7083	.2611342	.9843335	892.7482	.9594064	.1915318
SDEV	.272852	28.8204	.0594286	.4294603	17.4239	.3535590	.9007891
%RSD	4.442493	5.755926	22.75787	43.62956	1.951709	36.85185	470.3079
#1	6.038731	467.4304	.2011908	.4888871	873.0289	.5621190	-.768536
#2	6.451243	517.5751	.2621776	1.250382	906.0650	1.239450	1.018154
#3	5.935602	517.1195	.3200342	1.213731	899.1507	1.076650	.3249769
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	107.5671	19.31075	46.72175	3538.078	189.9050	1.860033	294586.5
SDEV	3.0115	.17677	3.75891	156.409	9.6969	.112809	9246.7
%RSD	2.799652	.9153730	8.045312	4.420745	5.106199	6.064866	3.138865
#1	104.7301	19.35978	51.06140	3357.869	179.7161	1.749849	283918.7
#2	110.7271	19.45783	44.62260	3638.544	199.0206	1.975295	300306.4
#3	107.2440	19.11465	44.48126	3617.821	190.9785	1.854956	299534.5
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	23.30068	-1.41635	1.193790	30.73569	2.473228	.1681200	7.921242
SDEV	.70221	2.11801	.243118	1.47711	.745914	.2382460	1.328637
%RSD	3.013670	149.5400	20.36523	4.805850	30.15953	141.7119	16.77309
#1	22.58981	.6904717	1.414928	29.29094	2.407714	.3633650	7.040053
#2	23.99388	-3.54537	1.232987	32.24316	1.762232	.2383389	9.449450
#3	23.31834	-1.39415	.9334547	30.67298	3.249738	-.097344	7.274221
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.39377	8.303213	-.440707	-11.8181	6.149280	41.21631	-.860438
SDEV	.85238	1.008324	1.471883	1.1869	.895499	1.45615	1.055616
%RSD	61.15638	12.14378	333.9819	10.04321	14.56266	3.532949	122.6836
#1	-1.82052	7.416472	-.096112	-11.9369	6.501454	41.03820	-1.00951
#2	-1.94848	9.400024	-2.05432	-12.9411	6.815154	42.75333	.2617907
#3	-.412303	8.093144	.8283068	-10.5762	5.131232	39.85741	-1.83359
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	10.46352	.1859716	4101.377
SDEV	.08359	.0675786	120.299
%RSD	.7988914	36.33811	2.933140
#1	10.37267	.1817236	4239.733
#2	10.53719	.2555739	4021.466
#3	10.48069	.1206172	4042.933
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1006047-03 OPERATOR:
RUN TIME: 06/10/10 20:37:37
COMMENT: SDG:1006047 CLIENTID:5-26-10 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	6.703334	427.6413	.1255580	.8718807	835.7120	1.027523	.9027291
SDEV	.262552	7.6668	.0820404	.1707364	4.6979	.091841	.5667945
%RSD	3.916736	1.792805	65.34067	19.58254	.5621464	8.938125	62.78678
#1	6.760628	421.0396	.0530388	.8014446	839.2936	1.084365	1.469637
#2	6.416867	425.8340	.1090316	.7476308	837.4496	.9215675	.9025027
#3	6.932508	436.0503	.2146035	1.066566	830.3928	1.076635	.3360478
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	94.21434	13.71090	50.00240	2869.759	162.5584	1.629859	321034.8
SDEV	3.46608	.18941	2.58310	67.936	1.9103	.133099	3024.1
%RSD	3.678935	1.381433	5.165954	2.367293	1.175139	8.166302	.9419904
#1	97.64986	13.50935	49.39249	2794.948	164.2507	1.778003	317611.5
#2	94.27468	13.88522	47.77883	2886.726	162.9374	1.591218	322149.4
#3	90.71847	13.73814	52.83587	2927.603	160.4870	1.520355	323343.4
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	18.48465	1.049167	1.024933	25.98429	.9118200	1.901760	8.848312
SDEV	.85311	2.631722	.014988	.84023	.1278770	.987017	.910422
%RSD	4.615221	250.8393	1.462381	3.233626	14.02437	51.90019	10.28921
#1	19.03825	3.605679	1.012366	26.94739	1.015412	1.146655	9.095834
#2	17.50221	-1.65181	1.020911	25.40114	.7688975	3.018612	9.609379
#3	18.91350	1.193634	1.041522	25.60434	.9511507	1.540012	7.839726
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2721993	6.121859	-1.69246	-8.85969	7.271496	34.19436	-1.39099
SDEV	2.937116	2.572666	1.31581	4.08340	.570122	2.40920	.76849
%RSD	1079.031	42.02426	77.74560	46.08964	7.840498	7.045603	55.24810
#1	2.473961	3.825970	-.390644	-11.7477	7.581308	33.47617	-1.94779
#2	1.405335	5.637235	-1.66490	-4.18789	6.613548	36.88098	-.514204
#3	-3.06270	8.902372	-3.02184	-10.6434	7.619632	32.22592	-1.71097
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	8.160481	.4047320	4133.244
SDEV	.887696	.0337272	59.660
%RSD	10.87799	8.333220	1.443410
#1	8.859281	.3680878	4187.466
#2	7.161647	.4344746	4142.933
#3	8.460513	.4116335	4069.333
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1006047-04 OPERATOR:
RUN TIME: 06/10/10 20:44:45
COMMENT: SDG:1006047 CLIENTID:5-28-10 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	6.680417	506.9196	.3982999	1.286201	897.3444	1.661454	1.076459
SDEV	.456482	4.5480	.0177156	.163556	6.8739	.158855	.340181
%RSD	6.833136	.8971838	4.447802	12.71623	.7660278	9.561179	31.60185
#1	6.416867	506.5623	.4128762	1.359642	890.1317	1.701884	.7123343
#2	6.416867	511.6357	.3785823	1.400164	898.0815	1.486291	1.130918
#3	7.207517	502.5608	.4034412	1.098797	903.8201	1.796187	1.386126
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	107.6619	20.54729	35.24495	3433.360	188.4548	1.670278	268017.8
SDEV	2.1836	.18001	2.18688	51.373	1.3270	.052088	1464.9
%RSD	2.028243	.8760733	6.204798	1.496296	.7041403	3.118514	.5465725
#1	105.1882	20.37298	37.58148	3463.357	186.9242	1.613330	267654.3
#2	108.4757	20.53640	33.24728	3462.682	189.2810	1.715510	269630.2
#3	109.3218	20.73250	34.90608	3374.041	189.1593	1.681994	266768.8
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	24.57078	-.551623	1.185537	32.98612	1.205250	-1.04225	5.703243
SDEV	.58940	2.402216	.236093	.74115	1.064668	1.69226	1.042811
%RSD	2.398804	435.4817	19.91446	2.246860	88.33586	162.3659	18.28453
#1	24.04611	-3.19390	1.333506	32.58621	1.853980	-.409478	5.621471
#2	24.45769	.0384594	.9132628	32.53081	1.785253	.2424389	4.703725
#3	25.20854	1.500567	1.309844	33.84133	-.023482	-2.95971	6.784533
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.161567	8.314308	-2.34724	-10.0779	3.465881	43.86512	-.348961
SDEV	1.434334	1.288988	1.02155	1.8370	3.414961	.85397	.453288
%RSD	123.4827	15.50325	43.52119	18.22825	98.53083	1.946798	129.8964
#1	1.490876	8.595305	-1.51494	-11.3983	5.073756	42.88479	-.016394
#2	2.402608	9.439618	-2.03950	-10.8554	5.780119	44.26331	-.865273
#3	-.408784	6.908002	-3.48729	-7.97998	-.456231	44.44727	-.165217
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	9.896148	-.014001	4123.333
SDEV	.414546	.050644	40.478
%RSD	4.188967	361.7266	.9816738
#1	10.34667	.0358852	4096.267
#2	9.810957	-.065369	4103.866
#3	9.530814	-.012517	4169.866
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1006047-05 OPERATOR:
RUN TIME: 06/10/10 20:51:54
COMMENT: SDG:1006047 CLIENTID:5-27-10 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	9.797181	932.4752	.4548797	1.155047	1336.014	2.249849	1.285044
SDEV	.019847	9.5319	.0278788	.046008	7.121	.331109	.550301
%RSD	.2025794	1.022213	6.128829	3.983252	.5329991	14.71694	42.82354
#1	9.820099	942.6215	.4764559	1.183281	1343.891	2.283795	1.800410
#2	9.785723	931.0961	.4647816	1.101957	1334.119	1.903075	1.349275
#3	9.785723	923.7080	.4234015	1.179904	1330.033	2.562677	.7054453
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	207.3717	36.76397	83.58159	8122.855	352.8027	3.308457	422082.4
SDEV	2.4565	.05892	10.42349	36.377	1.1401	.086410	1277.3
%RSD	1.184564	.1602739	12.47104	.4478310	.3231640	2.611797	.3026267
#1	209.8107	36.82933	94.97626	8153.806	351.9930	3.407863	423555.0
#2	207.4064	36.71494	81.24135	8131.972	354.1065	3.266207	421417.8
#3	204.8981	36.74762	74.52715	8082.787	352.3085	3.251300	421274.4
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	49.41058	-2.19488	2.507273	58.61241	1.443214	-.234449	7.629229
SDEV	.32386	1.63070	.231961	.34237	1.452160	3.937509	1.320975
%RSD	.6554431	74.29578	9.251513	.5841337	100.6198	1679.472	17.31467
#1	49.28859	-2.48189	2.581754	58.32542	2.811805	3.930936	6.110853
#2	49.77772	-.439725	2.692844	58.99138	1.597959	-3.89548	8.514420
#3	49.16544	-3.66302	2.247220	58.52042	-.080121	-.738803	8.262414
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.73963	8.049335	-1.85827	-9.07961	4.178498	84.87507	-.609308
SDEV	1.34998	2.214105	1.98521	4.41130	3.718379	2.88120	1.983404
%RSD	77.60135	27.50669	106.8311	48.58464	88.98840	3.394635	325.5177
#1	-2.88065	10.26609	-.913157	-4.23289	8.003708	85.49983	-2.82938
#2	-2.08891	5.837893	-.522203	-12.8600	.5770572	87.39263	.0135270
#3	-.249340	8.044019	-4.13946	-10.1459	3.954730	81.73275	.9879263
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	17.31304	.3116721	4018.800
SDEV	.24799	.1329660	26.145
%RSD	1.432369	42.66216	.6505728
#1	17.52557	.4561118	3990.133
#2	17.37298	.2845393	4024.933
#3	17.04058	.1943651	4041.333
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV1 OPERATOR:
RUN TIME: 06/10/10 20:59:03
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	99.30102	47323.26	927.0378	991.0237	48228.62	964.6799	971.9141
SDEV	.26848	202.22	2.0014	5.2200	319.55	3.5913	3.5863
%RSD	.2703734	.4273254	.2158873	.5267292	.6625679	.3722816	.3689934
#1	99.47290	47540.41	928.5412	996.9074	48577.06	968.7716	967.9338
#2	99.43852	47289.04	927.8062	989.2158	48159.52	962.0499	974.8940
#3	98.99164	47140.33	924.7662	986.9481	47949.27	963.2181	972.9144
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	940.1616	988.4543	24093.38	54231.65	50225.04	963.9448	50920.77
SDEV	2.5611	2.6677	51.35	254.67	213.77	4.2094	362.49
%RSD	.2724090	.2698810	.2131399	.4695895	.4256179	.4366804	.7118671
#1	938.6713	991.5103	24099.93	54484.38	50259.38	959.8072	51331.54
#2	938.6946	986.5914	24039.06	53975.09	49996.18	968.2225	50645.75
#3	943.1188	987.2614	24141.14	54235.48	50419.55	963.8048	50785.02
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	971.3550	1016.164	960.1258	1125.018	979.0376	1024.581	1024.922
SDEV	.5165	5.102	4.8564	4.009	1.0481	2.811	3.149
%RSD	.0531692	.5020472	.5058044	.3563262	.1070590	.2743695	.3072246
#1	971.9485	1019.959	954.6410	1128.754	978.3441	1027.786	1028.383
#2	971.0073	1010.365	963.8791	1125.517	980.2433	1023.422	1022.228
#3	971.1093	1018.169	961.8572	1120.783	978.5253	1022.534	1024.155
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1017.192	972.0380	982.5293	1035.873	1018.940	1049.467	1011.973
SDEV	5.305	3.7022	.2960	4.191	3.572	4.001	4.151
%RSD	.5215581	.3808748	.0301264	.4046111	.3506060	.3812598	.4101610
#1	1021.349	969.3783	982.8175	1039.061	1022.154	1054.048	1015.182
#2	1011.217	976.2664	982.2261	1031.126	1019.573	1046.659	1013.451
#3	1019.009	970.4695	982.5443	1037.433	1015.094	1047.693	1007.285
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	993.4540	982.7372	4224.600
SDEV	2.5275	7.5944	10.498
%RSD	.2544121	.7727811	.2485073
#1	993.4393	991.4127	4213.066
#2	990.9338	977.2919	4233.600
#3	995.9887	979.5070	4227.133
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB1 OPERATOR:
RUN TIME: 06/10/10 21:06:12
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.080211	43.53625	.3636622	.9843989	393.6610	.4672798	.8425572
SDEV	.119082	4.36273	.0454654	.2372905	.9702	.1997885	.1308561
%RSD	148.4615	10.02092	12.50210	24.10512	.2464441	42.75565	15.53083
#1	-.011459	38.61606	.3534112	.7383255	394.7718	.4910607	.9904192
#2	-.217715	45.05976	.3241974	1.003068	393.2307	.6541134	.7416831
#3	-.011459	46.93294	.4133780	1.211804	392.9803	.2566651	.7955693
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.8215536	-.288708	6.560836	-1406.21	30.08647	.5631082	73.49712
SDEV	.0865047	.068037	1.193353	1.83	1.61277	.0633098	7.34851
%RSD	10.52940	23.56605	18.18905	.1300850	5.360456	11.24292	9.998360
#1	.7224561	-.266918	5.895639	-1408.03	28.24747	.5134657	77.55651
#2	.8602475	-.234235	7.938531	-1406.23	31.26009	.6344035	77.92045
#3	.8819571	-.364971	5.848338	-1404.37	30.75186	.5414551	65.01440
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.351855	5.272971	.0543382	1.875492	-.186364	.8013943	1.346587
SDEV	.614264	2.178566	.3180356	.400496	1.027806	1.412732	.311789
%RSD	174.5787	41.31572	585.2897	21.35419	551.5045	176.2842	23.15401
#1	-.014010	5.539565	-.135563	1.637913	.8173990	1.438628	1.630492
#2	.0193294	2.973377	.4215016	1.650677	-.139857	1.783262	1.396365
#3	-1.06088	7.305972	-.122924	2.337887	-1.23663	-.817707	1.012904
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.489865	2.420473	-1.49082	2.087231	.1565741	2.528919	-1.03819
SDEV	2.281043	.992693	1.05177	2.050664	1.390152	2.737149	1.32165
%RSD	153.1041	41.01237	70.55030	98.24803	887.8560	108.2339	127.3032
#1	1.352054	3.461346	-.505411	4.069605	.1222929	-.541540	-2.17399
#2	3.836689	2.315824	-1.36873	2.217592	1.563550	3.415153	.4124526
#3	-.719149	1.484250	-2.59830	-.025503	-1.21612	4.713144	-1.35304
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.628846	.5325977	4213.999
SDEV	1.284935	.0256313	64.731
%RSD	48.87831	4.812508	1.536090
#1	4.085660	.5178697	4283.600
#2	2.144015	.5177293	4202.800
#3	1.656863	.5621941	4155.600
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1006047-06 OPERATOR:
RUN TIME: 06/10/10 21:13:21
COMMENT: SDG:1006047 CLIENTID:6-1-10 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	30.28532	543.0159	1.857373	.9343187	1000.786	31.06033	4.585117
SDEV	.30034	9.5625	.095563	.4350551	11.463	.76771	.241864
%RSD	.9917006	1.760989	5.145085	46.56388	1.145386	2.471662	5.274978
#1	30.03323	554.0560	1.965096	1.383390	989.6055	30.38448	4.332775
#2	30.20511	537.3297	1.782793	.9047816	1000.239	30.90146	4.607653
#3	30.61762	537.6621	1.824231	.5147849	1012.512	31.89504	4.814925
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	124.2178	238.6199	230.8996	3973.824	284.1080	4.992754	191332.6
SDEV	1.9817	3.4632	16.2021	111.909	5.0370	.220200	1413.2
%RSD	1.595379	1.451357	7.016957	2.816148	1.772930	4.410397	.7386051
#1	123.1662	234.7141	212.3088	4099.419	286.5092	4.860728	192961.1
#2	122.9834	239.8292	242.0102	3937.352	278.3197	4.870579	190428.2
#3	126.5036	241.3163	238.3798	3884.701	287.4952	5.246956	190608.5
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	684.2335	.5108890	1.272041	428.7444	5.141805	-1.42841	5.840984
SDEV	5.7653	1.198798	1.040590	6.9928	1.086663	2.11715	3.198370
%RSD	.8425983	234.6494	81.80473	1.630984	21.13388	148.2172	54.75738
#1	678.6239	1.880563	2.431677	420.8272	4.063206	-2.21766	2.157468
#2	683.9337	-.347478	.4197155	431.3294	6.236356	-3.03757	7.451763
#3	690.1429	-.000418	.9647311	434.0767	5.125853	.9699937	7.913721
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.868677	17.05943	-.811339	-5.85531	.7788183	128.3042	.9756685
SDEV	1.609075	7.11208	5.073180	8.31036	5.038334	2.9904	1.616672
%RSD	185.2329	41.69001	625.2852	141.9285	646.9203	2.330688	165.6989
#1	-2.31913	25.23253	-6.50894	2.978985	-4.81507	131.1037	2.821607
#2	.8621642	12.27867	3.216499	-13.5172	2.191527	125.1539	.2935569
#3	-1.14906	13.66709	.8584297	-7.02771	4.959999	128.6550	-.188158
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	7.517628	.7653262	4161.044
SDEV	.535537	.3470368	100.457
%RSD	7.123744	45.34495	2.414234
#1	7.982402	.4476125	4046.200
#2	6.931987	.7126930	4204.333
#3	7.638495	1.135673	4232.600
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1006047-07 OPERATOR:
RUN TIME: 06/10/10 21:20:30
COMMENT: SDG:1006047 CLIENTID:6-3-10 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	24.53306	392.8505	1.089380	.6484773	1080.240	20.03804	3.921614
SDEV	.38740	6.0110	.037419	.1879007	2.676	.11180	.276978
%RSD	1.579087	1.530095	3.434925	28.97568	.2476801	.5579569	7.062851
#1	24.08617	396.7552	1.054980	.7403409	1077.454	20.00832	4.132926
#2	24.73932	395.8677	1.083939	.7727732	1080.478	19.94410	4.023869
#3	24.77369	385.9286	1.129223	.4323177	1082.789	20.16170	3.608047
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	150.8665	151.5063	153.8875	5638.340	324.6982	3.223830	228126.0
SDEV	1.3861	.6936	5.2703	45.274	2.2577	.073068	630.9
%RSD	.9187555	.4577960	3.424787	.8029734	.6953102	2.266500	.2765546
#1	149.7116	150.7328	148.1657	5650.347	323.4620	3.201423	227467.2
#2	152.4036	151.7133	158.5434	5676.401	327.3040	3.305478	228724.7
#3	150.4842	152.0728	154.9534	5588.273	323.3286	3.164590	228186.1
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	420.1671	-.400786	.6635368	269.5750	4.351662	-1.56120	7.631083
SDEV	.9160	.980293	.1637574	1.1726	.130177	1.68957	1.234485
%RSD	.2180179	244.5925	24.67947	.4349888	2.991442	108.2223	16.17706
#1	420.1472	.4972579	.5715495	269.0547	4.434150	-3.40070	9.012271
#2	421.0928	-1.44656	.8526048	270.9178	4.201593	-.078579	7.245766
#3	419.2611	-.253057	.5664563	268.7527	4.419244	-1.20433	6.635213
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.829477	10.70346	1.176244	-10.3700	2.833717	81.30114	-1.20168
SDEV	1.944856	.87064	.546284	3.9946	2.367959	2.18441	.68861
%RSD	234.4676	8.134216	46.44310	38.52127	83.56373	2.686814	57.30392
#1	.1404536	11.23385	1.035105	-13.7836	1.780120	82.24023	-.418213
#2	.4396639	11.17789	.7143803	-11.3496	5.545620	78.80422	-1.47586
#3	-3.06855	9.698651	1.779249	-5.97663	1.175411	82.85896	-1.71097
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	9.095140	.4954135	4232.911
SDEV	.903383	.0398792	25.546
%RSD	9.932595	8.049682	.6035094
#1	8.291144	.5396351	4218.800
#2	8.921557	.4621810	4217.533
#3	10.07272	.4844244	4262.400
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1006047-08 OPERATOR:
RUN TIME: 06/10/10 21:27:38
COMMENT: SDG:1006047 CLIENTID:6-4-10 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	8.273175	131.8184	.0514263	.7038920	741.8249	1.091303	.1548412
SDEV	.209102	3.4595	.0426660	.1222176	7.7582	.161244	.2433143
%RSD	2.527466	2.624421	82.96525	17.36311	1.045823	14.77540	157.1379
#1	8.410680	128.7449	.0661551	.5669013	747.1002	1.231494	.3761119
#2	8.376303	131.1453	.0847765	.7430226	745.4578	.9150965	.1941436
#3	8.032542	135.5649	.0033473	.8017522	732.9169	1.127319	-.105732
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	83.79555	10.59504	46.05183	3094.828	174.4622	.6530923	164983.4
SDEV	.68545	.28415	5.64338	25.097	2.1251	.0019032	485.8
%RSD	.8180078	2.681921	12.25441	.8109395	1.218101	.2914125	.2944411
#1	84.37550	10.81293	48.08207	3065.924	176.0813	.6512371	164712.4
#2	83.97205	10.69854	39.67421	3111.084	175.2494	.6529999	165544.2
#3	83.03911	10.27364	50.39919	3107.478	172.0557	.6550401	164693.5
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	15.84761	.2124456	.5453786	13.05230	1.527530	-1.77813	7.670036
SDEV	.74575	1.454408	.4493218	.13312	1.183543	1.33691	.917555
%RSD	4.705751	684.6027	82.38713	1.019919	77.48083	75.18606	11.96286
#1	16.69187	-.032553	.7322654	12.95631	2.614387	-2.85700	6.692925
#2	15.27863	-1.10390	.8710952	13.20427	1.701618	-2.19492	8.513342
#3	15.57235	1.773794	.0327753	12.99631	.2665847	-.282479	7.803843
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.052941	8.849319	-2.13081	-14.8366	4.738506	4.393455	-1.35020
SDEV	.893718	3.598533	.43201	5.1762	1.621327	1.496398	.75257
%RSD	1688.134	40.66452	20.27439	34.88799	34.21599	34.05970	55.73754
#1	-.987530	11.45315	-1.80130	-15.4071	3.405720	4.128102	-.748317
#2	.0353552	10.35177	-2.61991	-19.7039	6.543521	6.004779	-1.10832
#3	.7933512	4.743033	-1.97122	-9.39880	4.266276	3.047485	-2.19397
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	5.880630	-.038641	4112.933
SDEV	1.194617	.053598	7.337
%RSD	20.31444	138.7069	.1783917
#1	5.528242	.0219736	4120.133
#2	7.211804	-.079771	4113.200
#3	4.901846	-.058126	4105.466
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1006047-09 OPERATOR:
RUN TIME: 06/10/10 21:34:47
COMMENT: SDG:1006047 CLIENTID:6-2-10 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	34.52504	606.9547	1.969593	1.254417	1222.058	32.00727	4.484956
SDEV	.75732	11.4116	.110944	.149178	9.077	.44433	.191710
%RSD	2.193528	1.880139	5.632851	11.89225	.7427255	1.388214	4.274503
#1	33.74585	616.8765	1.929061	1.426658	1211.982	31.51968	4.436294
#2	34.57087	609.5034	2.095104	1.170317	1224.601	32.38935	4.696307
#3	35.25840	594.4843	1.884613	1.166278	1229.592	32.11277	4.322266
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	179.6945	244.1816	211.6801	7370.628	401.0258	5.096121	265870.6
SDEV	2.4035	2.4368	7.7989	161.545	1.4727	.055719	2442.2
%RSD	1.337555	.9979373	3.684265	2.191740	.3672299	1.093360	.9185752
#1	176.9691	241.6921	204.4321	7483.791	400.1231	5.155228	267524.9
#2	180.6033	244.2905	210.6756	7442.471	400.2291	5.088577	267021.2
#3	181.5111	246.5621	219.9325	7185.624	402.7252	5.044559	263065.6
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	674.7711	-.559873	1.192287	419.6386	3.996567	-.836999	6.456993
SDEV	6.7033	2.363239	.355502	7.4917	1.745635	2.262548	1.955676
%RSD	.9934143	422.1025	29.81684	1.785271	43.67837	270.3166	30.28772
#1	667.5458	-2.74780	.8257350	413.4947	6.011292	1.673521	8.606981
#2	675.9796	1.946404	1.535599	417.4366	2.935307	-1.46609	4.783809
#3	680.7879	-.878224	1.215527	427.9845	3.043103	-2.71843	5.980189
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1395578	12.36300	-.183474	-8.34462	2.908202	130.1858	.5613252
SDEV	1.332381	2.84510	3.426300	1.49465	3.421996	2.5524	1.003647
%RSD	954.7158	23.01304	1867.459	17.91159	117.6671	1.960550	178.7996
#1	.6831341	11.18789	3.423848	-8.70546	6.852204	133.0995	-.591858
#2	-1.37868	15.60742	-3.39424	-6.70258	1.145227	129.1128	1.237589
#3	1.114218	10.29369	-.580027	-9.62582	.7271752	128.3451	1.038245
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	11.02033	.8789646	4056.356
SDEV	.67098	.0446610	82.260
%RSD	6.088566	5.081088	2.027923
#1	11.68887	.9288923	3987.066
#2	11.02520	.8651820	4034.733
#3	10.34693	.8428195	4147.267
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0060406-BLK1 OPERATOR:
RUN TIME: 06/10/10 21:41:56
COMMENT: SDG:1005202 CLIENTID:PBW 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0687521	36.60267	.0771470	.6536736	420.9963	.2082583	1.105799
SDEV	.1431190	8.60315	.0135882	.2215161	.3253	.0662225	.288481
%RSD	208.1666	23.50415	17.61332	33.88788	.0772651	31.79824	26.08803
#1	.0229174	46.53603	.0679759	.9073579	421.3501	.2272554	1.411320
#2	.2291738	31.73802	.0927578	.4985013	420.9287	.2629060	1.067992
#3	-.045835	31.53396	.0707074	.5551616	420.7101	.1346134	.8380853
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000
LOW	-5.00000	-200.000	-200.000	-5.00000	-5000.00	-5.00000	-5.00000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.041832	-.768073	91.40252	-1431.81	6.891041	.1640937	175.4048
SDEV	.159822	.166923	1.90137	3.90	1.900237	.0580448	30.2134
%RSD	382.0540	21.73268	2.080213	.2723810	27.57548	35.37299	17.22498
#1	-.178817	-.838888	93.59379	-1435.54	6.129673	.1340218	158.7540
#2	-.080437	-.577417	90.42496	-1427.76	9.053898	.1272551	210.2804
#3	.1337562	-.887914	90.18881	-1432.13	5.489551	.2310041	157.1799
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000
LOW	-5.00000	-5.00000	-100.000	-5000.00	-5000.00	-10.0000	-5000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.01583	.6271140	-.002664	2.349683	.3006736	.9199440	8.253558
SDEV	.21152	3.795561	.210376	.387495	.7385637	.5286779	.259529
%RSD	10.49320	605.2426	7898.475	16.49139	245.6363	57.46848	3.144448
#1	-2.17048	.9199185	-.232150	1.902250	.8282103	.9208438	8.059299
#2	-2.10222	4.267792	.0430878	2.575649	-.543401	1.448171	8.548305
#3	-1.77478	-3.30637	.1810717	2.571151	.6172113	.3908168	8.153070
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000
LOW	-40.0000	-10.0000	-20.0000	-20.0000	-3.00000	-5.00000	-10.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.226828	6.565366	-2.82991	-4.71300	3.729255	.9362369	-.792942
SDEV	.941402	.233528	1.16692	2.39241	.479474	.8581800	2.189737
%RSD	415.0287	3.556971	41.23520	50.76186	12.85711	91.66270	276.1535
#1	-.920956	6.673240	-2.09289	-5.44527	4.096163	-.000990	-2.56329
#2	.8447197	6.725458	-4.17531	-2.04004	3.186733	1.683556	1.655672
#3	-.604248	6.297402	-2.22155	-6.65368	3.904868	1.126145	-1.47121
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	10.00000					100.0000	50.00000
LOW	-10.0000					-100.000	-50.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.330228	-.005823	4110.155
SDEV	.451789	.042783	33.614
%RSD	33.96324	734.7451	.8178334
#1	1.297928	.0307960	4072.000
#2	1.797300	-.052850	4123.066
#3	.8954563	.0045852	4135.400
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	5.000000	40.00000	
LOW	-5.00000	-40.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0060406-BS1 OPERATOR:
RUN TIME: 06/10/10 21:49:04
COMMENT: SDG:1005202 CLIENTID:LCSW 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	964.5583	18782.57	18063.80	537.7069	49261.85	481.6779	4864.940
SDEV	6.9428	130.89	250.05	4.1843	547.95	1.3182	75.759
%RSD	.7197933	.6968499	1.384252	.7781827	1.112331	.2736765	1.557253
#1	956.5715	18645.37	18335.24	533.0608	48659.10	481.1072	4810.136
#2	969.1532	18796.28	17842.85	538.8815	49396.59	480.7411	4833.292
#3	967.9501	18906.06	18013.32	541.1784	49729.87	483.1853	4951.392
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1200.000	24000.00	24000.00	600.0000	60000.00	600.0000	6000.000
LOW	800.0000	16000.00	16000.00	400.0000	40000.00	400.0000	4000.000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	956.4939	2518.443	9509.360	48267.59	48143.69	1453.452	49357.64
SDEV	10.3869	11.859	76.314	128.22	402.86	14.975	163.01
%RSD	1.085932	.4708751	.8025191	.2656463	.8367906	1.030324	.3302713
#1	954.8840	2504.792	9481.288	48324.44	47971.71	1452.568	49177.51
#2	947.0060	2524.337	9451.059	48120.77	47855.36	1438.938	49400.40
#3	967.5917	2526.200	9595.735	48357.55	48604.00	1468.850	49495.01
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1200.000	3000.000	12000.00	60000.00	60000.00	1800.000	60000.00
LOW	800.0000	2000.000	8000.000	40000.00	40000.00	1200.000	40000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3818.885	954.6572	4820.948	1894.566	284.6446	469.3380	5899.545
SDEV	12.835	12.6531	81.779	21.450	2.6232	1.2771	8.944
%RSD	.3360930	1.325411	1.696318	1.132185	.9215878	.2721049	.1516058
#1	3809.155	944.9581	4767.037	1874.405	282.6390	468.3859	5909.675
#2	3814.068	950.0436	4780.762	1892.185	283.6816	468.8389	5892.738
#3	3833.431	968.9697	4915.044	1917.107	287.6132	470.7893	5896.222
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	4800.000	1200.000	6000.000	2400.000	360.0000	600.0000	7200.000
LOW	3200.000	800.0000	4000.000	1600.000	240.0000	400.0000	4800.000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	968.1480	286.8066	283.5620	465.6909	471.1561	1020.665	969.0737
SDEV	5.5730	3.5698	2.7097	3.5190	3.3743	4.005	4.2128
%RSD	.5756363	1.244662	.9555987	.7556606	.7161760	.3923521	.4347234
#1	964.5338	286.4340	280.7411	469.7476	467.7032	1022.899	971.2717
#2	965.3441	283.4377	283.8001	463.8657	471.3191	1016.042	964.2165
#3	974.5661	290.5480	286.1448	463.4596	474.4459	1023.054	971.7329
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	1200.000					1205.000	1205.000
LOW	800.0000					795.0000	795.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	978.6345	978.8514	4331.777
SDEV	2.6850	8.4310	16.731
%RSD	.2743669	.8613204	.3862405
#1	976.0255	969.1345	4315.667
#2	978.4885	984.2277	4349.066
#3	981.3896	983.1921	4330.600
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	1205.000	1205.000	
LOW	795.0000	795.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0060406-BSD1 OPERATOR:
RUN TIME: 06/10/10 21:56:13
COMMENT: SDG:1005202 CLIENTID:LCSWD 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	924.2924	19334.99	18714.56	534.4772	47726.30	473.8466	4778.484
SDEV	3.7511	73.59	80.63	1.2917	361.00	2.9599	39.177
%RSD	.4058370	.3805849	.4308186	.2416711	.7564055	.6246639	.8198674
#1	927.6957	19279.08	18642.88	535.7786	48083.74	476.5309	4804.132
#2	924.9112	19307.54	18698.96	534.4575	47733.32	474.3366	4797.933
#3	920.2704	19418.36	18801.85	533.1954	47361.83	470.6722	4733.388
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1200.000	24000.00	24000.00	600.0000	60000.00	600.0000	6000.000
LOW	800.0000	16000.00	16000.00	400.0000	40000.00	400.0000	4000.000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	936.9223	2496.223	9406.513	51306.59	48481.12	1428.596	50614.94
SDEV	11.7265	1.978	97.097	239.69	198.07	12.653	179.12
%RSD	1.251594	.0792552	1.032234	.4671660	.4085580	.8856607	.3538828
#1	934.7481	2494.578	9448.340	51123.96	48432.54	1433.989	50754.01
#2	949.5837	2495.673	9475.686	51217.82	48698.96	1437.659	50412.83
#3	926.4351	2498.419	9295.512	51578.00	48311.85	1414.141	50678.00
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1200.000	3000.000	12000.00	60000.00	60000.00	1800.000	60000.00
LOW	800.0000	2000.000	8000.000	40000.00	40000.00	1200.000	40000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3766.707	971.8455	4809.588	1814.414	284.1780	480.4040	5963.857
SDEV	25.372	2.6784	17.268	23.798	1.7887	2.1118	18.477
%RSD	.6735880	.2756029	.3590333	1.311600	.6294236	.4395884	.3098114
#1	3790.763	969.5570	4793.321	1835.586	286.1908	482.5760	5984.286
#2	3769.160	974.7914	4807.736	1819.000	282.7705	478.3580	5948.314
#3	3740.197	971.1880	4827.708	1788.658	283.5727	480.2779	5958.974
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	4800.000	1200.000	6000.000	2400.000	360.0000	600.0000	7200.000
LOW	3200.000	800.0000	4000.000	1600.000	240.0000	400.0000	4800.000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	979.5708	284.1902	284.1675	479.2669	480.9687	1014.496	989.7963
SDEV	3.6258	1.0146	2.9081	5.1106	1.3342	6.688	5.3694
%RSD	.3701454	.3570117	1.023386	1.066342	.2774075	.6592181	.5424760
#1	982.5605	284.0100	287.2751	482.9737	482.3744	1016.785	995.9585
#2	980.6143	285.2828	281.5118	473.4370	480.8119	1019.739	986.1227
#3	975.5377	283.2778	283.7155	481.3901	479.7198	1006.965	987.3077
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	1200.000					1205.000	1205.000
LOW	800.0000					795.0000	795.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	976.5915	978.0839	4133.644
SDEV	3.7455	1.8420	6.001
%RSD	.3835287	.1883239	.1451727
#1	980.8257	980.1452	4131.866
#2	975.2372	977.5070	4140.333
#3	973.7114	976.5994	4128.733
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	1205.000	1205.000	
LOW	795.0000	795.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005202-01 OPERATOR:
RUN TIME: 06/10/10 22:03:22
COMMENT: SDG:1005202 CLIENTID:520MW02-10A 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0916695	46.53389	150.6993	.6726583	27132.29	1.274315	8.898897
SDEV	.2595337	1.10810	.7815	.1281291	186.97	.214158	.592843
%RSD	283.1188	2.381285	.5186142	19.04817	.6890919	16.80576	6.661980
#1	.3666781	47.43150	151.5698	.7418326	27200.40	1.496134	9.488513
#2	-.148963	46.87477	150.0578	.7513329	26920.81	1.068743	8.302879
#3	.0572935	45.29539	150.4705	.5248092	27275.65	1.258069	8.905298
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.317369	5.594398	7294.084	883.0296	24064.97	1466.576	247918.4
SDEV	.230565	.189407	45.365	3.1381	97.67	4.170	888.3
%RSD	72.64892	3.385659	.6219457	.3553762	.4058546	.2843404	.3582932
#1	-.388477	5.795949	7298.108	886.2429	24109.16	1463.106	246931.9
#2	-.059626	5.420083	7246.841	882.8735	23953.02	1465.421	248168.8
#3	-.504003	5.567161	7337.304	879.9725	24132.74	1471.203	248654.7
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.8073106	1.434219	.7679098	4.801868	.9895319	-.596075	7.324169
SDEV	1.062180	3.615184	.2217009	.255417	1.749290	2.896587	.488053
%RSD	131.5702	252.0665	28.87070	5.319117	176.7796	485.9433	6.663598
#1	-.076759	5.467440	1.004654	4.506938	-.824234	-3.73281	6.954434
#2	1.985581	.3500271	.5651850	4.949757	1.126541	1.977724	7.140705
#3	.5131093	-1.51481	.7338903	4.948908	2.666289	-.033141	7.877368
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.5775522	8.592174	-2.80909	-9.29309	3.742908	21.56760	-.311301
SDEV	.4184878	1.670872	3.37300	4.32280	3.943343	1.55535	1.212167
%RSD	72.45888	19.44645	120.0743	46.51629	105.3550	7.211510	389.3870
#1	.8300065	10.51788	-6.48980	-12.8510	.8164531	23.04913	.3959536
#2	.8081615	7.526510	-2.07164	-10.5460	8.227203	19.94768	.3811076
#3	.0944887	7.732136	.1341668	-4.48222	2.185069	21.70598	-1.71097
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	9.401873	-.378305	4020.311
SDEV	1.297732	.135957	16.667
%RSD	13.80291	35.93850	.4145632
#1	10.59116	-.239650	4001.066
#2	9.596726	-.383873	4029.800
#3	8.017732	-.511393	4030.066
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: SDI1005202-01 OPERATOR:
RUN TIME: 06/10/10 22:10:30
COMMENT: SDG:1005202 CLIENTID:520MW02-10AL 1:5
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.103128	2.208396	28.91340	-.178536	5728.343	-.022646	1.494313
SDEV	.275724	3.087783	.52529	.182976	62.385	.242607	.404292
%RSD	267.3602	139.8202	1.816761	102.4867	1.089058	1071.277	27.05536
#1	-.389596	-1.10345	28.35803	-.360259	5795.266	.0104929	1.960396
#2	-.080211	5.008069	28.97991	.0056667	5671.797	.2016869	1.284225
#3	.1604217	2.720569	29.40227	-.181015	5717.967	-.280119	1.238318
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3808732	-.413997	1488.757	-994.057	4987.744	294.2480	48225.79
SDEV	1.383352	.700802	27.722	8.461	25.363	3.3418	441.11
%RSD	363.2054	169.2771	1.862087	.8511840	.5084969	1.135707	.9146770
#1	1.881142	.3540757	1518.751	L-1003.68	4958.458	291.7418	47795.18
#2	-.844192	-1.01865	1483.444	-987.794	5002.199	298.0421	48205.49
#3	.1056697	-.577417	1464.076	-990.694	5002.574	292.9600	48676.70
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.07771	3.386197	-.017521	2.200472	-.851301	-.437717	4.920480
SDEV	.67091	2.990514	.277968	.994072	.957783	.937829	1.810048
%RSD	62.25344	88.31484	1586.439	45.17542	112.5081	214.2546	36.78600
#1	-.377348	6.461415	-.097058	3.320103	.2510462	.0029793	7.007203
#2	-1.71467	.4882754	-.247052	1.859741	-1.47975	-1.51472	3.774821
#3	-1.14111	3.208899	.2915450	1.421571	-1.32520	.1985930	3.979418
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.761810	1.015217	-1.78596	-1.25794	-.031025	3.741576	-.253232
SDEV	1.158320	3.759882	3.31203	.61070	1.208021	1.198711	.528149
%RSD	41.94060	370.3527	185.4480	48.54772	3893.757	32.03760	208.5631
#1	3.582686	-3.32455	2.033437	-.601377	.3019757	4.866543	-.254307
#2	3.265881	3.292397	-3.86507	-1.80904	-1.37062	3.877482	-.780844
#3	1.436863	3.077806	-3.52625	-1.36339	.9755683	2.480704	.2754533
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.424019	.1843088	4310.666
SDEV	.518928	.3727938	99.571
%RSD	21.40776	202.2659	2.309869
#1	2.282347	.6146353	4424.999
#2	1.990640	-.040320	4263.999
#3	2.999070	-.021389	4242.999
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005202-02 OPERATOR:
RUN TIME: 06/10/10 22:17:39
COMMENT: SDG:1005202 CLIENTID:520MW05-10A 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.057293	36.68903	51.08886	.6006315	23472.77	.4961158	1.418779
SDEV	.019847	3.14843	.41477	.1145286	48.61	.1903108	.678060
%RSD	34.64101	8.581405	.8118561	19.06803	.2070945	38.36015	47.79178
#1	-.045835	35.49149	50.96244	.5371201	23524.93	.7086453	1.840849
#2	-.045835	40.26053	50.75201	.7328438	23464.66	.3414609	1.778848
#3	-.080211	34.31509	51.55213	.5319306	23428.73	.4382413	.6366419
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4762061	2.794475	-49.1948	-348.917	9899.460	33.35950	90007.91
SDEV	.2182603	.217620	14.9482	12.390	25.751	.20192	751.28
%RSD	45.83317	7.787524	30.38563	3.550960	.2601239	.6052835	.8346796
#1	.7194851	2.903422	-33.1795	-362.171	9893.261	33.16611	89148.72
#2	.4115673	2.543898	-62.7773	-346.956	9877.374	33.56899	90333.74
#3	.2975659	2.936105	-51.6276	-337.625	9927.744	33.34339	90541.26
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.00301	.3275355	4.996963	6.184630	1.029527	.8486966	9.419872
SDEV	.35355	2.875798	.396790	.244548	.858113	2.563704	1.678264
%RSD	35.24886	878.0110	7.940631	3.954130	83.35018	302.0754	17.81621
#1	-1.10318	-.023029	5.174983	6.122017	1.776681	-.359080	10.39676
#2	-.610184	3.362545	4.542338	6.454398	.0923206	3.793212	10.38085
#3	-1.29567	-2.35691	5.273568	5.977476	1.219580	-.888041	7.482002
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.010626	3.751092	-.332251	-12.2804	7.400361	-1.11653	-1.50122
SDEV	1.916634	1.763992	.419725	3.0558	3.114502	.90127	.31439
%RSD	189.6482	47.02608	126.3278	24.88334	42.08580	80.72012	20.94223
#1	2.303357	5.413487	-.041995	-15.6879	7.290822	-1.71902	-1.83410
#2	-1.19141	1.900582	-.813508	-9.78320	10.56819	-.080416	-1.20935
#3	1.919935	3.939208	-.141249	-11.3701	4.342074	-1.55017	-1.46019
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.324036	-.103780	3978.311
SDEV	.216802	.106104	41.819
%RSD	16.37432	102.2393	1.051187
#1	1.574378	.0180398	4026.600
#2	1.198929	-.176005	3954.133
#3	1.198802	-.153376	3954.200
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV1 OPERATOR:
RUN TIME: 06/10/10 22:24:48
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	101.1459	46415.66	925.0621	1006.324	49350.20	984.0458	989.8076
SDEV	.9731	449.82	4.3840	3.949	108.20	1.1453	10.0840
%RSD	.9620844	.9691142	.4739194	.3924468	.2192573	.1163884	1.018785
#1	100.0229	46927.29	923.1786	1008.403	49363.64	984.6707	1000.933
#2	101.7417	46237.41	930.0731	1008.800	49451.06	982.7240	981.2700
#3	101.6730	46082.29	921.9345	1001.770	49235.90	984.7429	987.2193
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	961.6585	995.8899	24386.76	51474.44	50099.14	975.3490	49307.61
SDEV	7.3348	1.8699	55.79	722.93	322.78	8.1723	608.72
%RSD	.7627274	.1877628	.2287911	1.404444	.6442841	.8378880	1.234537
#1	964.2668	997.0502	24422.97	52306.73	50412.25	979.0018	50001.43
#2	953.3759	993.7328	24322.51	51002.62	49767.48	965.9874	48863.19
#3	967.3326	996.8868	24414.81	51113.98	50117.69	981.0579	49058.22
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	980.8889	1009.250	972.5618	1104.370	985.1280	1015.538	991.0184
SDEV	1.3612	5.253	4.7814	4.223	4.7079	5.413	16.6757
%RSD	.1387754	.5204970	.4916287	.3824214	.4778941	.5330359	1.682686
#1	979.5643	1014.507	976.0707	1106.125	985.2826	1020.515	971.9778
#2	980.8184	1009.243	967.1158	1099.552	980.3447	1009.774	998.0538
#3	982.2840	1004.001	974.4989	1107.432	989.7567	1016.323	1003.023
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1007.581	980.8370	987.2672	1021.652	1012.482	1054.572	996.5823
SDEV	2.094	4.8581	4.7307	12.308	2.565	10.210	6.6281
%RSD	.2078305	.4953060	.4791695	1.204684	.2533197	.9681686	.6650806
#1	1009.789	979.7040	988.0647	1034.647	1013.457	1063.533	1003.376
#2	1005.624	976.6454	982.1884	1010.172	1009.573	1043.457	996.2381
#3	1007.330	986.1615	991.5484	1020.135	1014.417	1056.728	990.1331
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1000.890	978.9255	4386.289
SDEV	4.621	7.6101	44.077
%RSD	.4616468	.7773932	1.004881
#1	995.7059	987.2841	4335.400
#2	1004.574	972.3980	4410.999
#3	1002.391	977.0945	4412.466
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB1 OPERATOR:
RUN TIME: 06/10/10 22:31:57
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.068752	2.934371	.0992781	-.011007	377.7348	-.112327	-.008722
SDEV	.258011	6.153740	.0417204	.151633	.5423	.068142	.090860
%RSD	375.2777	209.7124	42.02381	1377.603	.1435685	60.66434	1041.736
#1	-.080211	8.720562	.1173062	.1597623	378.1980	-.119161	.0585282
#2	.1947977	3.613181	.1289531	-.062911	377.8682	-.176795	.0273924
#3	-.320843	-3.53063	.0515751	-.129873	377.1383	-.041025	-.112087
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.319121	-.620995	-4.29420	-1424.93	10.25527	-.026350	75.28197
SDEV	.362476	.106328	2.06542	.42	1.77555	.057526	66.39060
%RSD	113.5856	17.12213	48.09785	.0296729	17.31351	218.3157	88.18926
#1	-.103428	-.724494	-6.41972	-1425.18	12.05221	-.092698	.7528745
#2	-.737606	-.626442	-2.29465	-1424.44	10.21169	.0095984	96.99746
#3	-.116330	-.512048	-4.16822	-1425.17	8.501914	.0040499	128.0956
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.22795	2.749045	.0427052	.8305542	-1.18682	-.069558	8.031151
SDEV	1.04860	3.213022	.1598181	.1273816	.68565	1.829327	3.296799
%RSD	85.39454	116.8778	374.2357	15.33695	57.77192	2629.926	41.05015
#1	-2.09420	6.200345	.1351973	.9776259	-.561561	-2.12067	Q11.45101
#2	-.062177	-.155547	.1347549	.7551447	-1.92005	.5187810	7.769420
#3	-1.52747	2.202337	-.141837	.7588919	-1.07886	1.393210	4.873018
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.996741	.7330893	-2.14817	-.475136	.1300950	2.488969	-1.02369
SDEV	1.982351	.1881136	1.04096	2.554032	2.441606	2.527065	1.92130
%RSD	198.8833	25.66039	48.45775	537.5367	1876.786	101.5306	187.6840
#1	-2.94709	.8497102	-1.26899	-1.15231	-2.60696	5.390774	-2.41232
#2	1.016136	.8334812	-3.29760	-2.62234	2.084141	.7721655	-1.82776
#3	-1.05927	.5160767	-1.87793	2.349242	.9131054	1.303967	1.169015
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.160850	.1684812	4263.377
SDEV	1.269824	.1275666	34.817
%RSD	58.76500	75.71562	.8166632
#1	3.624827	.2893539	4241.600
#2	1.499791	.1809528	4244.999
#3	1.357933	.0351369	4303.533
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005202-03 OPERATOR:
RUN TIME: 06/10/10 22:39:06
COMMENT: SDG:1005202 CLIENTID:520MW08-10A 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.148963	23.19729	18.39756	.2714765	2875.731	.8000091	2.557005
SDEV	.068752	13.96684	.59986	.5015072	65.750	.3840181	.862049
%RSD	46.15385	60.20894	3.260536	184.7332	2.286374	48.00171	33.71325
#1	-.148963	35.50656	18.85008	.8048478	2893.576	1.219429	3.319717
#2	-.217715	8.018573	17.71715	-.190519	2802.900	.4656589	1.621725
#3	-.080211	26.06672	18.62544	.2001004	2930.716	.7149395	2.729574
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.180002	-.152525	-27.9639	-852.974	4261.876	12.86591	376813.8
SDEV	.975699	.558503	27.0680	20.846	119.992	.33177	10251.8
%RSD	542.0485	366.1712	96.79641	2.443966	2.815470	2.578669	2.720663
#1	-1.25478	-.740835	-59.0679	-833.504	4337.685	12.91892	385987.5
#2	.6500132	.3704173	-15.0725	-874.967	4123.533	12.51083	365747.6
#3	.0647591	-.087157	-9.75115	-850.449	4324.409	13.16798	378706.5
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2819882	-2.92434	90.55112	3.790195	2.336624	3.415083	7.979590
SDEV	1.125733	.73432	2.59640	.884611	1.327912	1.684106	2.341017
%RSD	399.2129	25.11080	2.867336	23.33945	56.83038	49.31377	29.33757
#1	-1.01612	-2.96906	91.76351	2.882064	1.860761	1.947773	5.335300
#2	.8722622	-2.16867	87.57028	3.839278	1.312209	3.043539	8.815771
#3	.9898260	-3.63527	92.31955	4.649242	3.836901	5.253938	9.787699
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.597395	10.63921	-1.81139	-3.89939	7.063899	-1.51719	-1.53111
SDEV	2.608119	5.25538	3.61934	1.62406	2.771260	2.02612	1.41642
%RSD	436.5819	49.39631	199.8102	41.64911	39.23131	133.5439	92.50922
#1	-3.58537	16.67829	-5.53995	-2.46059	4.145594	-3.57662	-1.58549
#2	1.222638	7.103733	-1.58204	-5.66041	7.386167	.4738908	-.088283
#3	.5705429	8.135619	1.687819	-3.57718	9.659936	-1.44885	-2.91955
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	24.42332	-.222600	4110.155
SDEV	1.26749	.481946	162.915
%RSD	5.189686	216.5078	3.963717
#1	24.39907	-.774475	3951.400
#2	23.16812	-.008691	4276.933
#3	25.70276	.1153667	4102.133
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005202-04 OPERATOR:
RUN TIME: 06/10/10 22:46:15
COMMENT: SDG:1005202 CLIENTID:520MW09-10A 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1489630	19.74338	603.7502	-.376093	50514.92	1.100653	13.09668
SDEV	.0198470	6.35821	15.3181	.252974	447.95	.082589	.46864
%RSD	13.32347	32.20426	2.537160	67.26367	.8867692	7.503648	3.578346
#1	.1260456	17.34350	586.0743	-.570906	50352.68	1.024927	13.54180
#2	.1604217	26.95225	613.1488	-.090188	50170.69	1.188717	13.14064
#3	.1604217	14.93439	612.0277	-.467187	51021.39	1.088316	12.60761
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.531615	-.114394	L-120.045	353.1412	35061.25	3198.872	133805.1
SDEV	.517483	.383020	15.073	32.9166	607.45	66.632	2649.3
%RSD	97.34173	334.8263	12.55633	9.321083	1.732546	2.082991	1.979991
#1	-.021073	.3213915	L-104.682	316.2331	34362.59	3146.859	130767.0
#2	-1.05577	-.397654	L-120.642	379.4594	35464.40	3273.979	135013.4
#3	-.518001	-.266918	L-134.811	363.7311	35356.78	3175.777	135634.8
ERRORS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.5088507	-1.27349	.6919810	30.11801	.5198875	.4367100	7.743332
SDEV	.7132568	1.42327	.5011298	1.06633	1.521086	1.384078	2.166596
%RSD	140.1702	111.7616	72.41959	3.540521	292.5798	316.9331	27.98015
#1	1.219408	.2484033	1.021043	31.34789	-.505141	1.423999	9.986886
#2	.5142189	-1.49723	.1152367	29.55409	2.267590	-1.14534	7.580195
#3	-.207075	-2.57164	.9396632	29.45204	-.202787	1.031467	5.662916
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.763725	7.260658	-2.84867	-6.94091	4.117128	-2.33325	-.931961
SDEV	2.014003	1.226228	2.73670	3.52784	.505291	2.57245	.675139
%RSD	114.1903	16.88866	96.06969	50.82672	12.27291	110.2517	72.44280
#1	4.072375	8.664203	-5.08607	-5.13830	4.697449	-.709783	-.568469
#2	.8519059	6.397078	.2026692	-11.0059	3.774622	-.990741	-.516449
#3	.3668947	6.720694	-3.66260	-4.67858	3.879313	-5.29922	-1.71097
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	4.012328	-.750973	4219.355
SDEV	.845088	.179260	104.529
%RSD	21.06229	23.87036	2.477372
#1	4.644712	-.545272	4339.733
#2	4.339752	-.833836	4151.533
#3	3.052520	-.873811	4166.800
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0060346-BLK1 OPERATOR:
RUN TIME: 06/10/10 22:53:24
COMMENT: SDG:1005180 CLIENTID:PBS 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4125129	17.62305	.9412733	-.057349	623.1451	.2830919	.5025945
SDEV	.2670146	2.01703	.0646871	.079272	1.9156	.1528387	.6626663
%RSD	64.72878	11.44542	6.872302	138.2258	.3074041	53.98909	131.8491
#1	.3323021	19.93137	.9867383	.0323423	621.9335	.3355950	1.118896
#2	.7104389	16.73749	.9698646	-.086367	625.3536	.4027589	.5871988
#3	.1947977	16.20028	.8672171	-.118024	622.1483	.1109217	-.198311
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000
LOW	-5.00000	-200.000	-200.000	-5.00000	-5000.00	-5.00000	-5.00000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.196238	-.059921	36.93609	-1383.60	47.50089	2.863233	537.7374
SDEV	.329014	.208213	7.22787	3.79	2.59484	.120759	22.7150
%RSD	14.98079	347.4805	19.56858	.2737527	5.462722	4.217569	4.224174
#1	2.140206	.0435786	41.17168	-1381.71	44.85041	2.810690	563.8717
#2	2.549669	.0762618	41.04620	-1381.12	50.03626	3.001362	522.7418
#3	1.898838	-.299603	28.59038	-1387.96	47.61600	2.777646	526.5988
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000
LOW	-5.00000	-5.00000	-100.000	-5000.00	-5000.00	-10.0000	-5000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.07428	-3.89538	-.027078	3.803937	H4.365583	1.101488	H14.36396
SDEV	.32803	.87839	.159377	.326751	.879491	3.195152	.99883
%RSD	30.53537	22.54953	588.5912	8.589822	20.14602	290.0760	6.953742
#1	-1.26215	-4.15110	-.114917	3.445713	H5.108271	.2019214	H13.21161
#2	-1.26517	-4.61753	.1568923	3.880468	H3.394392	4.649993	H14.89837
#3	-.695498	-2.91750	-.123208	4.085631	H4.594084	-1.54745	H14.98189
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC HIGH	LC PASS	LC HIGH
HIGH	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000
LOW	-40.0000	-10.0000	-20.0000	-20.0000	-3.00000	-5.00000	-10.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.811266	15.84217	-1.36697	-22.5168	12.89006	17.76994	.1323429
SDEV	1.963815	1.38287	.65943	3.2356	4.45123	3.25682	1.225995
%RSD	242.0679	8.729065	48.24041	14.36979	34.53223	18.32769	926.3776
#1	.6845816	17.21185	-.937321	-26.2195	13.38996	14.20389	.5319960
#2	-.083250	14.44647	-2.12622	-20.2335	17.07023	18.51889	1.108642
#3	-3.03513	15.86820	-1.03737	-21.0973	8.209989	20.58705	-1.24361
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	10.00000					100.0000	50.00000
LOW	-10.0000					-100.000	-50.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.049490	.0796998	4221.133
SDEV	1.447873	.0557521	21.856
%RSD	70.64552	69.95263	.5177650
#1	2.271604	.1215024	4199.866
#2	.5033945	.1011979	4219.999
#3	3.373471	.0163992	4243.533
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	5.000000	40.00000	
LOW	-5.00000	-40.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0060346-BS1 OPERATOR:
RUN TIME: 06/10/10 23:00:32
COMMENT: SDG:1005180 CLIENTID:LCSS 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	778.5837	69020.98	1428.753	1318.131	39282.39	2054.547	623.9350
SDEV	11.8333	998.73	17.059	7.478	532.66	27.704	7.4506
%RSD	1.519847	1.447000	1.194012	.5673212	1.355971	1.348419	1.194127
#1	789.1257	68156.47	1416.654	1326.632	39894.99	2084.878	631.7632
#2	780.8411	68792.21	1421.340	1312.571	39023.77	2048.187	623.1113
#3	765.7844	70114.24	1448.265	1315.188	38928.43	2030.576	616.9305
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1110.000	108000.0	1840.000	1690.000	52200.00	2770.000	811.0000
LOW	490.0000	43900.00	1280.000	1170.000	34200.00	1880.000	561.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	545.8294	1358.251	110673.6	25455.33	19116.35	2769.961	4049.922
SDEV	11.3832	1.170	1185.1	536.14	127.45	39.648	84.892
%RSD	2.085482	.0861113	1.070797	2.106188	.6666887	1.431361	2.096147
#1	557.3394	1357.113	112019.6	24954.70	19227.09	2809.405	3985.428
#2	534.5774	1359.450	109786.8	25390.26	18977.04	2730.112	4018.240
#3	545.5715	1358.191	110214.6	26021.04	19144.92	2770.365	4146.100
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	738.0000	1540.000	214000.0	30600.00	27300.00	3650.000	6580.000
LOW	477.0000	1080.000	74200.00	17000.00	17100.00	2430.000	2540.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	446.1560	1453.760	638.0194	1005.448	654.6650	701.9974	543.6773
SDEV	7.4644	5.472	6.1489	24.235	4.7622	4.6783	2.8412
%RSD	1.673048	.3764082	.9637489	2.410350	.7274209	.6664312	.5225916
#1	454.3940	1452.753	642.6615	1029.723	659.9366	696.6837	546.8566
#2	444.2324	1448.861	631.0457	1005.368	653.3840	703.8114	541.3864
#3	439.8417	1459.665	640.3511	981.2534	650.6743	705.4971	542.7890
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	588.0000	1970.000	930.0000	1410.000	918.0000	1030.000	1730.000
LOW	404.0000	1190.000	517.0000	905.0000	619.0000	626.0000	30.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	723.8722	639.3225	662.3215	680.4830	712.7356	1642.120	-2.23722
SDEV	2.7780	5.5400	4.3809	4.9988	5.0385	6.816	2.22353
%RSD	.3837683	.8665484	.6614458	.7345954	.7069203	.4151017	99.38819
#1	721.1717	645.5436	667.1196	676.1456	706.9345	1648.633	-4.19816
#2	723.7232	637.5022	661.3104	679.3535	716.0192	1642.691	-2.69206
#3	726.7217	634.9215	658.5347	685.9499	715.2531	1635.036	.1785636
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	NOCHECK
HIGH	973.0000					2280.000	
LOW	645.0000					1220.000	

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	562.5239	2631.840	4560.311
SDEV	7.1657	15.446	64.325
%RSD	1.273843	.5868751	1.410531
#1	569.1140	2640.662	4614.600
#2	563.5618	2614.005	4577.066
#3	554.8959	2640.853	4489.267
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	705.0000	4510.000	
LOW	463.0000	1110.000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0060346-BSD1 OPERATOR:
RUN TIME: 06/10/10 23:07:41
COMMENT: SDG:1005180 CLIENTID:LCSSD 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	734.5938	66616.61	1376.241	1257.730	37643.88	1972.294	595.4302
SDEV	8.1376	1245.28	17.147	15.883	617.17	20.747	7.5315
%RSD	1.107762	1.869317	1.245958	1.262840	1.639494	1.051935	1.264891
#1	741.9273	65199.88	1356.455	1239.391	36941.47	1948.498	586.9840
#2	725.8394	67537.98	1385.502	1267.046	37890.86	1981.794	601.4478
#3	736.0146	67111.97	1386.767	1266.754	38099.31	1986.591	597.8590
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1110.000	108000.0	1840.000	1690.000	52200.00	2770.000	811.0000
LOW	490.0000	43900.00	1280.000	1170.000	34200.00	1880.000	561.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	530.0843	1306.153	106561.4	24919.74	18875.10	2645.247	3974.678
SDEV	8.9214	11.780	1560.0	501.43	361.32	44.864	97.817
%RSD	1.683016	.9018732	1.463982	2.012200	1.914292	1.696013	2.461001
#1	519.8704	1319.591	104785.9	24413.17	18470.99	2596.262	3862.304
#2	536.3528	1297.612	107712.4	25415.87	19167.03	2684.339	4040.722
#3	534.0295	1301.256	107186.0	24930.17	18987.27	2655.139	4021.009
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	738.0000	1540.000	214000.0	30600.00	27300.00	3650.000	6580.000
LOW	477.0000	1080.000	74200.00	17000.00	17100.00	2430.000	2540.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	428.7544	1395.773	606.2492	952.8547	628.8646	672.8921	528.7296
SDEV	5.6426	21.728	11.8303	7.4920	8.0085	10.3489	2.0329
%RSD	1.316053	1.556723	1.951395	.7862647	1.273482	1.537978	.3844874
#1	422.2393	1370.769	592.6645	944.2619	619.6228	661.7187	527.7246
#2	432.0774	1406.478	614.2859	958.0184	633.7636	682.1485	531.0693
#3	431.9466	1410.071	611.7972	956.2839	633.2075	674.8091	527.3950
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	588.0000	1970.000	930.0000	1410.000	918.0000	1030.000	1730.000
LOW	404.0000	1190.000	517.0000	905.0000	619.0000	626.0000	30.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	692.6685	627.6805	629.4516	662.9492	677.8532	1563.901	-1.60118
SDEV	.4518	3.7701	10.1449	13.8782	9.9931	21.546	2.21883
%RSD	.0652215	.6006426	1.611700	2.093406	1.474220	1.377681	138.5741
#1	692.1762	623.3494	617.7583	652.5011	666.3178	1539.805	.6704956
#2	693.0641	629.4657	635.9050	678.6962	683.8691	1581.309	-3.76308
#3	692.7652	630.2266	634.6916	657.6502	683.3727	1570.589	-1.71097
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	NOCHECK
HIGH	973.0000					2280.000	
LOW	645.0000					1220.000	

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	542.2434	2568.650	4476.511
SDEV	8.6956	41.186	118.464
%RSD	1.603628	1.603401	2.646357
#1	532.2043	2521.468	4607.267
#2	547.1041	2587.076	4376.333
#3	547.4217	2597.406	4445.933
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	705.0000	4510.000	
LOW	463.0000	1110.000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005180-01 OPERATOR:
RUN TIME: 06/10/10 23:14:50
COMMENT: SDG:1005180 CLIENTID:SS41-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4354303	10223.70	34.32433	-.420696	1693.594	.1047601	.0085830
SDEV	.3718341	123.90	.46645	.221063	9.263	.1039694	.4293923
%RSD	85.39464	1.211906	1.358957	52.54703	.5469581	99.24527	5002.806
#1	.8479432	10283.54	34.60276	-.220575	1690.084	.1302782	.3789371
#2	.1260456	10306.32	34.58441	-.383524	1704.099	.1935946	.1088989
#3	.3323021	10081.24	33.78582	-.657988	1686.598	-.009593	-.462087
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	23.78759	4.074596	3131.011	L-1053.99	340.2794	11.77162	663.3640
SDEV	.36560	.171656	22.426	8.11	5.3330	.13447	72.8999
%RSD	1.536937	4.212823	.7162681	.7691222	1.567251	1.142288	10.98943
#1	23.36577	3.900281	3126.276	L-1046.45	334.2771	11.61787	728.9614
#2	23.98399	4.243463	3155.426	L-1052.95	344.4724	11.86724	676.2504
#3	24.01302	4.080043	3111.329	L-1062.57	342.0888	11.82975	584.8801
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6004617	1.122369	14.13143	6.225541	20.61846	1.146916	12.56655
SDEV	.4402780	2.759114	.30474	.824964	.70863	1.103195	2.52378
%RSD	73.32326	245.8294	2.156483	13.25128	3.436867	96.18793	20.08335
#1	1.015868	4.307050	14.47644	5.557627	20.18190	.4477207	9.894113
#2	.1389415	-.392063	13.89897	5.971294	20.23739	2.418677	14.90927
#3	.6465759	-.547878	14.01889	7.147702	21.43608	.5743517	12.89627
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.431661	31.19897	15.33338	-19.7894	11.59665	15.77453	-.018533
SDEV	1.602268	1.27047	1.68084	2.3594	2.00881	.50573	.563023
%RSD	111.9167	4.072151	10.96199	11.92257	17.32229	3.205975	3037.972
#1	3.230201	32.29709	14.13061	-17.5464	9.428518	16.21357	-.340754
#2	.1566191	31.49233	14.61559	-19.5718	13.39465	15.88845	-.346427
#3	.9081646	29.80748	17.25395	-22.2501	11.96678	15.22155	.6315820
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	3.113570	337.1908	4383.244
SDEV	.694860	3.5341	54.655
%RSD	22.31716	1.048115	1.246897
#1	3.909897	337.9070	4342.999
#2	2.800433	340.3120	4361.267
#3	2.630382	333.3534	4445.466
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: SDI1005180-01 OPERATOR:
RUN TIME: 06/10/10 23:21:59
COMMENT: SDG:1005180 CLIENTID:SS41-0-1L 1:5
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.148963	2070.438	6.641583	-.079568	618.8029	-.324482	-1.82906
SDEV	.059541	23.230	.227976	.600674	14.2872	.131864	.22663
%RSD	39.97040	1.121982	3.432557	754.9197	2.308841	40.63839	12.39065
#1	-.114587	2044.161	6.428227	-.758154	635.1960	-.228640	-1.56743
#2	-.217715	2078.909	6.614725	.1354307	612.2104	-.269938	-1.95483
#3	-.114587	2088.244	6.881799	.3840199	609.0024	-.474867	-1.96492
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	4.985772	.5665213	612.7799	L-1359.12	77.25842	2.163277	135.0566
SDEV	2.247855	.8223109	39.9194	2.30	7.11488	.253072	24.6135
%RSD	45.08541	145.1509	6.514475	.1693984	9.209191	11.69853	18.22454
#1	7.558147	1.514355	658.0465	L-1361.40	85.41194	2.455144	163.1685
#2	3.999613	.1416301	597.6808	L-1359.17	72.30899	2.004866	117.3794
#3	3.399555	.0435786	582.6125	L-1356.79	74.05434	2.029822	124.6221
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.225751	1.545980	2.461842	2.878092	3.150978	.0800823	7.136779
SDEV	.707185	1.993305	.077147	1.334019	.612872	1.839648	3.696164
%RSD	313.2592	128.9347	3.133713	46.35081	19.45020	2297.196	51.79036
#1	.5363771	1.085234	2.402579	4.397001	2.781113	-1.48046	11.38879
#2	-.352882	-.176605	2.549072	2.340661	3.858416	-.387785	5.330046
#3	-.860748	3.729312	2.433875	1.896614	2.813406	2.108488	4.691502
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3.355930	1.882339	3.781368	-10.5807	5.399611	2.534479	-2.47700
SDEV	2.623446	5.783167	2.431726	6.5813	1.548031	1.814387	1.54951
%RSD	78.17343	307.2330	64.30809	62.20152	28.66930	71.58817	62.55577
#1	6.109493	-4.75237	6.539473	-17.9297	6.729122	1.943458	-2.94590
#2	3.072714	5.855823	2.858306	-8.58166	3.700109	4.570685	-3.73791
#3	.8855834	4.543563	1.946324	-5.23061	5.769602	1.089294	-.747202
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.293195	69.62510	4229.622
SDEV	.238240	.85945	163.371
%RSD	18.42255	1.234391	3.862534
#1	1.446582	70.61737	4416.600
#2	1.018733	69.11485	4157.800
#3	1.414270	69.14309	4114.466
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005180-02 OPERATOR:
RUN TIME: 06/10/10 23:29:08
COMMENT: SDG:1005180 CLIENTID:SS41-1-2 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2177151	19781.22	43.55840	.1373546	1071.529	.0475902	-.828023
SDEV	.2580115	206.77	.34688	.0565967	15.034	.3836214	.546921
%RSD	118.5087	1.045281	.7963632	41.20480	1.403017	806.0930	66.05138
#1	.4698063	19700.43	43.81573	.1486946	1088.888	.4810672	-.301423
#2	.2291738	20016.18	43.69556	.0759464	1062.762	-.248134	-1.39322
#3	-.045835	19627.04	43.16391	.1874227	1062.938	-.090163	-.789427
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	39.44687	4.472250	2180.251	-881.878	505.4894	10.65065	656.1430
SDEV	1.86254	.778433	44.310	7.133	8.1404	.27048	53.4795
%RSD	4.721650	17.40586	2.032317	.8087980	1.610401	2.539570	8.150579
#1	41.59265	5.371058	2231.339	-882.990	514.8856	10.91923	703.7339
#2	38.49958	4.014674	2152.277	-874.255	500.5672	10.65442	666.4266
#3	38.24838	4.031017	2157.138	-888.389	501.0154	10.37830	598.2685
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.089252	-5.47595	16.44139	5.743669	38.49258	2.777184	13.47710
SDEV	.912102	.73540	.43595	1.081387	1.55860	2.665819	2.90757
%RSD	43.65686	13.42956	2.651562	18.82747	4.049080	95.98999	21.57416
#1	3.050276	-6.28873	16.66022	6.935985	40.15177	5.855184	16.54248
#2	1.235571	-5.28252	16.72458	4.826287	38.26677	1.206087	13.13041
#3	1.981910	-4.85661	15.93936	5.468734	37.05921	1.270282	10.75843
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3951426	45.76852	34.85722	-17.2308	12.76333	13.21693	.5746399
SDEV	2.348877	2.28350	1.80006	3.9528	2.14000	1.54333	1.416541
%RSD	594.4376	4.989240	5.164085	22.94031	16.76682	11.67689	246.5094
#1	3.039106	46.60768	36.92584	-12.7938	15.16290	14.99078	2.208680
#2	-.403089	47.51372	33.64736	-18.5221	11.05252	12.18191	-.178951
#3	-1.45059	43.18417	33.99847	-20.3764	12.07456	12.47809	-.305809
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.997912	327.0103	4247.866
SDEV	.212659	5.7633	48.427
%RSD	10.64407	1.762419	1.140025
#1	2.098118	333.1272	4301.466
#2	2.141956	326.2219	4207.267
#3	1.753662	321.6818	4234.866
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005180-03 OPERATOR:
RUN TIME: 06/10/10 23:36:17
COMMENT: SDG:1005180 CLIENTID:SS35-0-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2635499	29896.56	46.40450	.2468363	1290.568	.5333095	-1.34483
SDEV	.1498418	87.47	.52541	.1413285	11.622	.2804559	.24597
%RSD	56.85520	.2925864	1.132229	57.25595	.9004992	52.58783	18.29000
#1	.1947977	29971.00	46.60564	.3835583	1278.377	.4415345	-1.22592
#2	.1604217	29800.22	45.80824	.2556379	1291.805	.3102388	-1.62766
#3	.4354303	29918.47	46.79962	.1013127	1301.521	.8481553	-1.18091
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	22.58912	15.27429	14601.95	-770.708	1029.294	91.86606	474.6371
SDEV	.75313	.11439	177.30	8.223	9.485	1.16478	41.5842
%RSD	3.334045	.7489331	1.214253	1.066997	.9214947	1.267911	8.761269
#1	21.96798	15.15989	14427.79	-761.580	1024.883	90.60954	472.7014
#2	22.37258	15.38868	14595.82	-773.009	1022.817	92.07889	434.0545
#3	23.42680	15.27429	14782.24	-777.536	1040.181	92.90975	517.1554
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	5.992489	-5.07726	22.96610	40.87602	32.29904	.7023975	13.52686
SDEV	.357800	2.16201	.43700	.54739	.58454	2.632248	1.39067
%RSD	5.970810	42.58221	1.902794	1.339151	1.809763	374.7519	10.28078
#1	5.698239	-6.25023	22.92255	40.37620	32.74414	3.738768	12.65918
#2	6.390779	-6.39927	22.55252	40.79086	32.51592	-.934399	15.13088
#3	5.888450	-2.58227	23.42325	41.46100	31.63706	-.697177	12.79053
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	4.003007	41.53097	27.68681	-18.5077	10.29021	15.81093	.8118628
SDEV	1.829415	4.51465	1.74410	3.9865	2.78594	2.32193	.5735803
%RSD	45.70103	10.87057	6.299401	21.53958	27.07369	14.68560	70.64990
#1	6.099677	46.73129	25.75786	-14.9238	13.05322	18.43415	.1529451
#2	3.177702	39.24638	29.15255	-17.7979	7.481890	14.01932	1.199329
#3	2.731642	38.61523	28.15002	-22.8014	10.33553	14.97932	1.083314
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.993425	321.5894	4257.977
SDEV	.497359	1.9499	1.891
%RSD	24.95000	.6063197	.0444032
#1	1.496283	319.3795	4255.800
#2	1.992989	323.0674	4259.200
#3	2.491002	322.3212	4258.933
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005180-04 OPERATOR:
RUN TIME: 06/10/10 23:43:26
COMMENT: SDG:1005180 CLIENTID:SS35-2-3 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2291738	17250.00	38.25483	.2823539	770.5920	.0985938	-1.14180
SDEV	.0343761	237.82	.67571	.1079343	5.9300	.0979630	.40602
%RSD	15.00000	1.378660	1.766350	38.22661	.7695416	99.36014	35.55945
#1	.2291738	17138.58	38.05312	.3107464	768.6141	.0528762	-1.31409
#2	.1947977	17523.07	39.00843	.3732540	777.2582	.0318470	-.678045
#3	.2635499	17088.35	37.70294	.1630614	765.9037	.2110583	-1.43326
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	18.55838	11.31408	10804.34	-732.109	668.3910	51.25497	503.1487
SDEV	.45870	.22898	147.76	5.348	10.1112	.68511	36.5582
%RSD	2.471667	2.023862	1.367606	.7305229	1.512773	1.336672	7.265882
#1	18.51827	11.54832	10695.79	-731.213	666.0772	50.70754	543.4312
#2	19.03582	11.30319	10972.62	-727.266	679.4586	52.02327	472.0762
#3	18.12106	11.09074	10744.62	-737.849	659.6372	51.03409	493.9388
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3.791347	-2.97568	18.64864	11.91866	18.44957	-.180215	14.91565
SDEV	.209518	3.83681	.10985	.84249	1.48245	1.138200	3.05662
%RSD	5.526210	128.9391	.5890283	7.068634	8.035132	631.5803	20.49271
#1	3.607407	-4.89378	18.63466	12.19065	17.15962	.6389369	17.20902
#2	4.019413	-5.47520	18.54647	12.59155	20.06906	-1.47987	16.09238
#3	3.747220	1.441955	18.76482	10.97377	18.12003	.3002899	11.44554
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3.332672	28.95478	13.20196	-21.3278	10.37499	13.83201	.2013145
SDEV	1.960908	3.35195	1.77831	5.3927	1.77580	.74730	2.224249
%RSD	58.83890	11.57649	13.47008	25.28468	17.11614	5.402722	1104.863
#1	5.417438	25.15437	13.16537	-21.5181	11.69799	14.15032	-.649985
#2	3.055451	30.21997	14.99830	-26.6229	11.07023	12.97825	-1.47155
#3	1.525127	31.48999	11.44223	-15.8425	8.356765	14.36745	2.725475
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.773573	246.9224	4198.355
SDEV	.791858	3.5772	52.512
%RSD	44.64762	1.448717	1.250770
#1	1.260661	246.5306	4205.933
#2	2.685567	250.6793	4142.466
#3	1.374491	243.5572	4246.667
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV OPERATOR:
RUN TIME: 06/10/10 23:50:36
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	100.3208	47767.82	941.4457	993.9313	48576.95	957.8007	973.6176
SDEV	.7969	263.87	2.4420	14.0099	858.29	17.3035	15.9718
%RSD	.7943043	.5523930	.2593865	1.409547	1.766859	1.806590	1.640459
#1	101.0542	47934.55	938.8556	1009.452	49502.32	975.4629	986.4292
#2	100.4354	47463.61	941.7754	982.2207	47806.98	940.8796	955.7229
#3	99.47290	47905.32	943.7061	990.1209	48421.56	957.0596	978.7008
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	968.7861	997.6495	23978.10	52436.39	50151.17	976.6021	50338.83
SDEV	22.1359	7.0788	503.15	450.07	739.92	22.3990	201.26
%RSD	2.284910	.7095455	2.098393	.8583201	1.475382	2.293568	.3998010
#1	984.3569	1005.385	24437.07	52339.50	50698.84	994.8116	50354.34
#2	943.4462	996.0697	23440.11	52042.65	49309.42	951.5905	50130.27
#3	978.5553	991.4940	24057.11	52927.02	50445.25	983.4042	50531.89
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	960.7247	984.8240	987.4781	1102.084	973.6918	1006.275	1018.344
SDEV	18.8776	10.1038	11.6065	28.632	20.8747	9.965	17.048
%RSD	1.964932	1.025946	1.175373	2.597942	2.143871	.9903257	1.674104
#1	980.2604	996.1016	991.9004	1130.926	995.4672	1014.977	1037.284
#2	942.5824	976.5972	974.3104	1073.668	953.8527	995.4038	1004.226
#3	959.3315	981.7732	996.2233	1101.660	971.7557	1008.445	1013.523
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	994.0613	947.8671	986.5820	990.3428	1014.227	1024.212	991.9515
SDEV	13.5711	3.9701	32.5773	21.7180	23.196	19.597	10.2907
%RSD	1.365220	.4188463	3.302040	2.192980	2.287039	1.913416	1.037420
#1	1005.622	943.7366	1021.290	965.7797	1039.536	1040.109	999.6824
#2	979.1191	948.2100	956.6671	998.2469	993.9818	1002.316	980.2711
#3	997.4433	951.6546	981.7884	1007.002	1009.163	1030.212	995.9011
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	990.7892	994.5662	4359.133
SDEV	14.2498	5.1674	49.120
%RSD	1.438226	.5195612	1.126840
#1	1005.757	997.0352	4380.600
#2	977.3865	988.6274	4393.866
#3	989.2241	998.0359	4302.933
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB OPERATOR:
RUN TIME: 06/10/10 23:57:45
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.171880	-10.6824	.1891401	-.646747	385.6575	.1719848	.1367751
SDEV	.052510	5.7213	.0538722	.066781	.0906	.1108559	.5528560
%RSD	30.55051	53.55812	28.48270	10.32571	.0235040	64.45679	404.2081
#1	-.183339	-5.03040	.2232000	-.570651	385.6664	.2393176	.6657816
#2	-.114587	-16.4706	.2171897	-.695602	385.7434	.0440382	.1817292
#3	-.217715	-10.5463	.1270307	-.673988	385.5628	.2325986	-.437186
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.154220	.1470773	8.618940	-1419.54	15.76736	.1141660	76.46307
SDEV	.397961	.0499254	1.096468	3.99	1.79821	.0500811	23.94125
%RSD	258.0485	33.94497	12.72161	.2812170	11.40463	43.86694	31.31087
#1	.2483751	.0926044	7.941421	-1417.83	17.83638	.0843825	76.70360
#2	-.163654	.1906559	9.883966	-1416.68	14.58141	.1719860	100.2831
#3	-.547380	.1579717	8.031435	-1424.10	14.88429	.0861296	52.40245
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.39936	7.042405	-.030057	1.465632	-.861748	.1617370	1.597274
SDEV	.38308	1.197746	.335655	.124033	.947032	2.367475	1.171702
%RSD	27.37567	17.00763	1116.714	8.462746	109.8966	1463.781	73.35632
#1	-1.17921	5.672663	.1029384	1.397715	-.327190	.1937073	.2500799
#2	-1.84171	7.892959	.2187195	1.390392	-1.95520	2.513065	2.378969
#3	-1.17717	7.561593	-.411830	1.608791	-.302858	-2.22156	2.162774
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0383518	.5697678	-1.57911	.3465137	.0668074	.6642191	.0133390
SDEV	1.427663	3.301266	2.20491	5.100163	1.134006	.6513916	.3906582
%RSD	3722.539	579.4055	139.6298	1471.850	1697.427	98.06878	2928.683
#1	.5450218	3.842469	-2.41159	1.445955	-.434169	.1522303	-.384703
#2	1.143577	.6261735	-3.24659	4.807291	1.365025	1.397405	.0285507
#3	-1.57354	-2.75934	.9208403	-5.21370	-.730434	.4430222	.3961692
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.808393	.3748347	4505.511
SDEV	1.403843	.0889450	47.572
%RSD	77.62930	23.72914	1.055862
#1	2.961682	.3121274	4486.400
#2	2.218267	.3357464	4559.667
#3	.2452302	.4766303	4470.466
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

5. Digestion and Distillation Logs

Logs shall be submitted in the following order: digestion logs for ICP, flame AA (if used), furnace AA (if used), and mercury preparations, followed by a copy of the distillation log for cyanide.

METALS/MERCURY PREPARATION LOG

Metals Method: 3050B / 6010B
Mercury Method: 7471B
Prepared By: DDD

CompuChem
A Division Of
Liberty Analytical Corp.

Preparation Date: 6-4-10
Preparation Time: 1200
Batch Number: 60346
Blue Soil

COMPUCHEM SAMPLE ID	CLIENT SAMPLE ID	SAMPLE TYPE	ICP Initial (g)	ICP Final (mL)	HG Initial (g)	HG Final (mL)	*Description Before	*Description After ICP	
0060346-BLK1	PBS	MB	1.00	100			N / A	CS / CL	
0060346-BS1	LCSS	LCS	1.00				BR / F	Y / CL	
0060346-BSD1	LCSSD	LCSD	1.00				BR / F	Y / CL	
1005180-01	SS41-0-1	SAMPLE	1.00				BK / F	Y / CL	
1005180-02	SB41-1-2	SAMPLE	1.00				BK / F	Y / CL	
1005180-03	SS35-0-1	SAMPLE	1.02				BR / M	Y / CL	
1005180-04	SB35-2-3	SAMPLE	1.03				BR / M	Y / CL	
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Mercury Standards and QC S0 S0.2 S0.5S1 S5 S10 ICV ICB CRI CCV CCB

NOTE: All standards and QC for mercury were prepared at the same day as the associated samples. Refer to the attached. Standard/QC Preparation Log, with date matching the above preparation date, for preparation method and instruction.

Record of Tempature/Time		
Hot Block Temp In:	95°	C
Hot Block Temp Out:	95°	C
Time Hg in water bath:		
Time Hg out water bath:		
Water Bath Temp In:		C
Water Bath Temp Out:		C

MS Reference
ICAP: 1.0mL XCL-20
Ref # 1
HG: 1.0mL 100ppb Hg
Ref#

LCS Reference
ICAP: 1.0g ERA PPT (540)
Ref #: OBZ4007
HG: 0.2g ERA PPT (540)
Ref#

* R=red, BL=blue, Y=yellow, G=green, O=orange, V=violet, W=white, CS=colorless, BR=brown, BK=black GY= grey, F=fine, M=medium, C=coarse, CL=clear, CY=cloudy, OP=opaque

"The presence of the Chemist's/analyst's employee ID number, or signature, on this log attests that strict compliance with the method's SOP has occurred. Any SOP deviations requires documentation by the chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation."

Sample Verification Signature: [signature]
This signature corroborates that the sample idenification numbers appearing on the digestion cups are the same as those appearing on the field sample containers.

Reviewed By: [signature]
Date: 6/14/10

Shading has been applied to unused portions of this worksheet as a substitute for 'Z-out.

JCF 120209

Standards/QC Preparation Log for ICP Metals/Mercury Page 1 of 3 **Case/SDG:** 1005180
COMPUCHEM a division of Liberty Analytical Corp. Worksheet 1Q (1) 2

REAGENTS	REF#[1]	MANUFACTURER	LOT#	EXPIRATION DATE
SULFURIC ACID (H_2SO_4)	0E20027	CALEDON	71645	05/15
NITRIC ACID (HNO_3)	0E19001	JT BAKER	J10027	05/15
POTASSIUM PERMANGANATE ($KMnO_4$)	0D13009	JT BAKER	J04613	04/13
HYDROCHLORIC ACID (HCL)	0E20028	CALEDON	72420	05/15
POTASSIUM PERSULFATE ($K_2S_2O_8$)	0A07004	JT BAKER	H44465	11/12
HYDROGEN PEROXIDE (H_2O_2)	0B18004	CALEDON	70692	01/11
STANDARDS				
XCL 20R	0B26007	HIGH PURITY	0925409	09/11/10
XCL LCS 10XR	9L15003	HIGH PURITY	0935232	12/10/10
ERA PPT (540)	0B24007	ERA	540	12/03/10
EPA LCS (0405)	0E20016	EPA	0405	11/17/11
ICV-1 (0307)	0B04003	EPA	0307	03/12/11
ILM05.3 MATRIX SPIKE	0B23010	HIGH PURITY	1004722	02/18/11
SILVER (Ag) 100ppm	9L15009	HIGH PURITY	0934323	12/15/10
TCLP 500	9L21002	HIGH PURITY	0934202	12/10/10
ARSENIC (As) 1000ppm	9F17001	HIGH PURITY	0911221	12/05/10
MERCURY (Hg) 20ppm	9L15007	HIGH PURITY	0916320	06/15/10
ICV-5 (0508) Hg	0E20020	EPA	0508	05/17/2015

[1]Ref#=Logbook ID, Page number, and item number from Materials Receipt Log
[2]Standard Lot Number consist of standard ID, date prepared, and initials of preparer

STANDARD SOLUTIONS PREPARED BY: D. Dickens DATE: 6-4-10

ENTERED BY: D. Dickens DATE: 6-4-10

REVIEWED BY: M Bern DATE: 6/4/10

The presence of the Chemist's/Analyst's employee ID number, or signature, on this worksheet attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Standards/QC Preparation Log for ICP Metals/Mercury Page 2 of 3 **Case/SDG:** 1005180
COMPUCHEM a division of Liberty Analytical Corp. Worksheet 1Q (1) 2

STANDARD LOT NUMBER[2]	PREPARATION INSTRUCTIONS
Hg 100ppb-06-04-10-DD	Place in a 100mL volumetric flask: 0.5mL of 20ppm Hg stock solution 2.5mL of concentrated HNO_3 Baker instra-analyzed Trace Metals grade or equivalent Dilute to 100mL volume with reagent water **(PREPARE DAILY)**
$K_2S_2O_8$- 06-04-10-DD Potassium Persulfate	Place in a 1000mL Erlenmeyer to a re-pipettor bottle **(PREPARE AS NEEDED)**
$KmnO_4$- 06-03-10 –DD Potassium Permanganate	Place in a 2000mL volumetric flask: 100.0g of $KmnO_4$ Baker instra-analyzed Trace Metals grade or equivalent Dilute to 2000mL with reagent water **(PREARE AS NEEDED)**
HNO_3- 06-02-10 - DD Nitric Acid	Place in a 2000mL volumetric flask: 500mL of Deionized water 1000mL of concentrated HNO_3 Baker instra-analyzed Trace Metals grade or equivalent Dilute to 2000mL with reagent water **(PREPARE AS NEEDED)**
HCl- 05-26-10 - DD Hydrochloric Acid	Place in a 2000mL volumetric flask: 500mL of Deionized water 1000mL of concentrated HCl Baker instra-analyzed Trace Metals grade or equivalent Dilute to 2000mL with reagent water **(PREPARE AS NEEDED)**
Aqua Regia- 06-03-10 - JR	Place in a 1000mL container: 600mL of Concentrated HCL 200mL of Concentrated HNO3 **(PREPARE AS NEEDED)**

[1]Ref#=Logbook ID, Page number, and item number from Materials Receipt Log
[2]Standard Lot Number consist of standard ID, date prepared, and initials of preparer

STANDARD SOLUTIONS PREPARED BY: D. Dickens DATE: 6-4-10

ENTERED BY: D. Dickens DATE: 6-4-10

REVIEWED BY: [signature] DATE: 6/4/10

The presence of the Chemist's/Analyst's employee ID number, or signature, on this worksheet attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Standards/QC Preparation Log for ICP Metals/Mercury Page 3 of 3 **Case/SDG:** 1005180
COMPUCHEM a division of Liberty Analytical Corp. Worksheet 1Q (1) 2

STANDARD LOT NUMBER[2]	PREPARATION INSTRUCTIONS	Resultant Analyte Concentration
ICV-5- 06-04-10-DD	Pipet into a 300mL BOD Bottle 1.0mL of ICV-5 and 99mL of reagent water. Digest according to sample preparation instructions	4.0µg/L
S0/ICB/CCB- 06-04-10-DD	Pipet into a 300mL BOD Bottle 100mL of reagent water Digest according to sample preparation instructions	0.0µg/L
S0.2/CRA/CRI- 06-04-10-DD	Pipet into a 300mL BOD Bottle 0.2mL of Hg 100ppb and 99.8mL of reagent water Digest according to sample preparation instructions	0.2µg/L
S0.5- 06-04-10-DD	Pipet into a 300mL BOD Bottle 0.5mL of Hg 100ppb and 99.5mL of reagent water Digest according to sample preparation instructions	0.5µg/L
S1.0- 06-04-10-DD	Pipet into a 300mL BOD Bottle 1.0mL of Hg 100ppb and 99mL of reagent water Digest according to sample preparation instructions	1.0µg/L
S5.0/CCV- 06-04-10-DD	Pipet into a 300mL BOD Bottle 5.0mL of Hg 100ppb and 95mL of reagent water Digest according to sample preparation instructions	5.0µg/L
S10.0- 06-04-10-DD	Pipet into a 300mL BOD Bottle 10mL of Hg 100ppb and 90mL of reagent water Digest according to sample preparation instructions	10.0µg/L

[1]Ref#=Logbook ID, Page number, and item number from Materials Receipt Log
[2]Standard Lot Number consist of standard ID, date prepared, and initials of preparer

STANDARD SOLUTIONS PREPARED BY: D. Dickens DATE: 6-4-10

ENTERED BY: D. Dickens DATE: 6-4-10

REVIEWED BY: [signature] DATE: 6/4/10

The presence of the Chemist's/Analyst's employee ID number, or signature, on this worksheet attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

C. Chain-of-Custody Documentation

The laboratory shall include a copy of the Chain-of-Custody (CoC) Documentation for all of the samples in the SDG. The CoC documentation shall be arranged in increasing Client Sample ID number order, considering both letters and numbers.

24787

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CHAIN OF CUSTODY

Page 1 of 1

CompuChem
a division of Liberty Analytical Corp.

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information		Project Information	
Company Name	CH2M HILL	Project Name	CTO 94
Address	5700 Cleveland St Ste 101	Sampling Location	MCB CAMP LEJEUNE
City / State / Zip	Va Beach VA 23462	Turnaround time	PER CONTRACT
Project Contact	Rebekha Shaw	Batch QC or Project Specific? If Specific, which Sample ID?	
Phone #	757-671-6279	Are aqueous samples field filtered for metals? Y or (N)	
Sampler's Name	K. Rogers	Are high concentrations expected? Y or (N)? If yes, which ID(s)?	

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B (Share 1-2oz.)	Tot Cr 6010B (Share 1-2oz.)	Cr VI 7196A	SIM PAH 8270C (Share 1-8oz.)	TCL PEST 8081A	Grain Size ASTM D422 (1-8oz.)		Gran Size		
1005157-06	BBG-SS70-0-1-10B	5.20	1200	SO	3							X		X	X	X	X		1005213-05		
-07	BBG-SB70-1-2-10B	5.20	1210	SO	3							X		X	X	X	X			-06	
1005180-01	SBG-SS41-0-1-10B	5.20	1520	SO	3								X	X	X	X	X			-07	
(E)	~~BBG-SB41-1-2-10B~~	~~5.20~~	~~125~~	~~SO~~																	
1005180-02	BBG-SB41-1-2-10B	5.20	1525	SO	3								X	X	X	X	X		1005213-08		
1005157-08	BBG-SS69-0-1-10B	5.20	1610	SO	3							X		X	X	X	X			-09	
-09	BBG-SB69-2-3-10B	5.20	1620	SO	3							X		X	X	X	X			-10	
-10	BBG-SB69-1-2-10B	5.20	1820	SO	3							X		X	X	X	X			-11	
-11	BBG-SB65-1-2-10B	5.20	1745	So	3							X		X	X	X	X			-12	
-12	BBG-SS64-0-1-10B	5.20	1815	SO	3							X		X	X	X	X			-13	

Lab Use Only

Sample Unpacked By: K. Manning	Cyanide samples checked for sulfide & chlorine? Y or (NA)
Sample Order Entry By: [illegible]	625 & Phenol samples checked for chlorine? Y or (NA)
Samples Received in Good Condition? (Y) or N	608 samples checked for pH between 5.0-9.0? Y or (NA)
If no, explain:	

Relinquished by: [signature]	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5-21-10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:
Subcontract? Y or (N) If yes, where? Gram Size to CT LABS	Custody Seal(s) intact? Y or (N)	On Ice? (Y) or N	Cooler Temp: 0.3 °C

Samples stored 60 days after date report mailed at no extra charge.

KM 5-21-10 - Client Delivery

White & Yellow copy to lab • Pink copy for customer

SNOOO

24789

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CHAIN OF CUSTODY

Page 1 of 1

CompuChem
a division of Liberty Analytical Corp.

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information		Project Information	
Company Name	CH2M HILL	Project Name	CTO 94
Address	5700 Cleveland St, 101	Sampling Location	MCB CAMP LEJEUNE
City / State / Zip	Va Beach VA 23462	Turnaround time	PER CONTRACT*
Project Contact	Rebekha Shaw	Batch QC or Project Specific? If Specific, which Sample ID?	
Phone #	757-671-6279	Are aqueous samples field filtered for metals? Y or (N)	
Sampler's Name	K. ROGERS	Are high concentrations expected? Y or (N)? If yes, which ID(s)?	

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

Lab Use Only	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	6010B metals (Shaw 20z.)	tot Cr 6010B	Cr VI 7196A	SIM PAH 8270C (Shaw 80z.)	TCL PEST 8081A	Grain Size ASTM D422 (1-80z.)		Gram size		
1005180-03	BBG-SS35-0-1-10B	5.20	1650	SO	3								X	X	X	X	X		1005213-14		
1005157-13	BBG-SS66-0-1-10B	5.20	1720	SO	3							X		X	X	X	X				15
↓ -14	BBG-SS65-0-1-10B	5.20	1740	SO	3							X		X	X	X	X				16
1005180-04	BBG-SB35-2-3-10B	5.20	1700	SO	3								X	X	X	X	X				17
1005157-15	BBG-SS82-0-1-10B	5.21	0825	SO	3							X	~~X~~	X	X	X	X		↓		18
-16	BBG-SS82D-0-1-10B	5.21	0830	SO	~~3~~							X	~~X~~	X	X	X					
-17	BBG-SB82-2-3-10B	5.21	0840	SO	3							X		X	X	X	X		1005213-19		
↓ -18	BBG-SB82D-2-3-10B	5.21	0845	SO	~~3~~							X		X	X	X					

Lab Use Only

Sample Unpacked By:	K Manning	Cyanide samples checked for sulfide & chlorine? Y or (NA)	
Sample Order Entry By:	[illegible]	625 & Phenol samples checked for chlorine? Y or (NA)	
Samples Received in Good Condition? (Y) or N		608 samples checked for pH between 5.0-9.0? Y or (NA)	
If no, explain:			

Relinquished by:		Date/Time: 5.21.10 1600	Received by:	K. Manning	Date/Time: 5.21.10 1600
Relinquished by:		Date/Time:	Received by:		Date/Time:
Subcontact? (Y) or N If yes, where?	Gramsize to CT LABS	Custody Seal(s) intact? Y or (N)	On Ice? (Y) or N		Cooler Temp: 1.3 °C

Samples stored 60 days after date report mailed at no extra charge.

KM 5.21.10 - Client Delivery

White & Yellow copy to lab • Pink copy for customer

SN0015

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Sample ID Cross Reference

LAB WO	Project	Sample #	Field ID	Sample Date	Receive Date	DueDate	Chain of Custody ID
1005180	CTO-094 MCB CAMP LEJEUNE/39530	1005180-01	SS41-0-1	05/20/2010	05/21/2010	06/03/2010	BBG-SS41-0-1-10B
1005180	CTO-094 MCB CAMP LEJEUNE/39530	1005180-01	SS41-0-1	05/20/2010	05/21/2010	06/10/2010	BBG-SS41-0-1-10B
1005180	CTO-094 MCB CAMP LEJEUNE/39530	1005180-02	SB41-1-2	05/20/2010	05/21/2010	06/03/2010	BBG-SB41-1-2-10B
1005180	CTO-094 MCB CAMP LEJEUNE/39530	1005180-02	SB41-1-2	05/20/2010	05/21/2010	06/10/2010	BBG-SB41-1-2-10B
1005180	CTO-094 MCB CAMP LEJEUNE/39530	1005180-03	SS35-0-1	05/20/2010	05/21/2010	06/03/2010	BBG-SS35-0-1-10B
1005180	CTO-094 MCB CAMP LEJEUNE/39530	1005180-03	SS35-0-1	05/20/2010	05/21/2010	06/10/2010	BBG-SS35-0-1-10B
1005180	CTO-094 MCB CAMP LEJEUNE/39530	1005180-04	SB35-2-3	05/20/2010	05/21/2010	06/03/2010	BBG-SB35-2-3-10B
1005180	CTO-094 MCB CAMP LEJEUNE/39530	1005180-04	SB35-2-3	05/20/2010	05/21/2010	06/10/2010	BBG-SB35-2-3-10B

WORK ORDER

Printed: 5/28/2010 6:52:55PM

1005180

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005180** **CASE:**	**Status:**	**Received**

Report To:
CH2M HILL, INC.
REBEKHA SHAW
5700 CLEVELAND STREET, SUITE 101
VIRGINIA BEACH, VA 23462
Phone: 757-671-8311
Fax: -

Invoice To:
CH2M HILL, INC.
ACCOUNTS PAYABLE
P.O. BOX 241329
DENVER, CO 80224
Phone :757-671-8311
Fax: -

Date Due: 06/10/2010 00:00 (20 day TAT)

Received By: Cathy Dover — Date Received: 05/21/2010 16:00

Logged In By: Cathy Dover — Date Logged In: 05/23/2010 13:13

J & B Flags?: **YES**	TICS?:**NO**	Deliverable: **Style 9 PQL/MDL Forms**	EDD : **30) CH2 SNEDD**
Metals ND to? **RL/CRQL**	Spike Level: **FULL Spike**		

DOD CRITERIA*LCS/LCSD FOR QC*SIM 8270C=PAH.SUB*PEST 8081A* METALS=TOTAL Cr ONLY*HEXAVALENT Cr 7196A + Cr+3 REPORTED ON FORMS & EDD

Analysis	Due	TAT	Expires	Received	Comments
1005180-01 SS41-0-1 [Soil] Sampled 05/20/2010 15:20 Eastern					
6010B METALS	06/10/2010 16:00	20	11/16/2010 15:20	05/21/2010 16:00	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 15:20	05/21/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 15:20	05/21/2010 16:00	
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 15:20	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 15:20	05/21/2010 16:00	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/16/2010 15:20	05/21/2010 16:00	
1005180-02 SB41-1-2 [Soil] Sampled 05/20/2010 15:25 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 15:25	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 15:25	05/21/2010 16:00	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/16/2010 15:25	05/21/2010 16:00	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 15:25	05/21/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/16/2010 15:25	05/21/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 15:25	05/21/2010 16:00	

1005180

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005180** **CASE:**	**Status:**	**[Group]**

Analysis	Due	TAT	Expires	Comments
1005180-03 SS35-0-1 [Soil] Sampled 05/20/2010 16:50 Eastern				
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 16:50	05/21/2010 16:00
6010B METALS	06/10/2010 16:00	20	11/16/2010 16:50	05/21/2010 16:00
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/16/2010 16:50	05/21/2010 16:00
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 16:50	05/21/2010 16:00
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 16:50	05/21/2010 16:00
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 16:50	05/21/2010 16:00
1005180-04 SB35-2-3 [Soil] Sampled 05/20/2010 17:00 Eastern				
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 17:00	05/21/2010 16:00
6010B METALS	06/10/2010 16:00	20	11/16/2010 17:00	05/21/2010 16:00
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/16/2010 17:00	05/21/2010 16:00
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 17:00	05/21/2010 16:00
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 17:00	05/21/2010 16:00
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 17:00	05/21/2010 16:00

Analysis groups included in this work order

TRIVALENT CHROMIUM Cr3 7196A

Total Cr by Metals HEXAVALENT CHROMI

INTERNAL DIGESTION COC

0060346

COMPUCHEM

Printed: 6/3/2010 6:00:18PM

Matrix: Soil **Prepared using: METALS - EPA 3050B**

Lab Number	Client ID	Sample Type	
0060346-BLK1	PBS	Blank	
0060346-BS1	LCSS	LCS	
0060346-BSD1	LCSSD	LCS Dup	
1005180-01	SS41-0-1	Sample	
1005180-02	SB41-1-2	Sample	
1005180-03	SS35-0-1	Sample	
1005180-04	SB35-2-3	Sample	

D. Dickens	6-4-10 1500	ICP Stg.	6-4-10 1500
Relinquished By	Date	Received By	Date
[signature]	060410 1045	[signature]	060410 1045
Relinquished By	Date	Received By	Date
[signature]	061110 1030	[signature]	061110 1038
Relinquished By	Date	Received By	Date
		6-14-10	
Relinquished By	Date	Received By	Date

Metals Internal Chain of Custody Sheet

Batch: 0060346 **Status:** Batched **Analysis**: 6010B METALS

Lab Id	Client_Id	Received	Container	Extraction	Preservative	Matrix	Due Date	Cust Date
1005180-01 B	SS41-0-1	05/21/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	5/28/2010
1005180-02 B	SB41-1-2	05/21/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	5/28/2010
1005180-03 B	SS35-0-1	05/21/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	5/28/2010
1005180-04 B	SB35-2-3	05/21/10	4a_2OZ WM Glass, cool	EPA 3050B	Cool 4°C	Soil	6/10/2010	5/28/2010

Cooler 1	6.4.10 0833	Diane Lynd	6.4.10 0833
Relinquished By	Date/Time	Received By	Date/Time
Diane Lynd	6.4.10 0833	Sherry McDowell	06.04.10 8:50
Relinquished By	Date/Time	Received By	Date/Time
Sherry McDowell	06.04.10 1445	Cooler	6-4-10 1445
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

CompuChem

A Division Of

Liberty Analytical Corp.

7/2/2010

REBEKHA SHAW

CH2M HILL, INC.

5700 CLEVELAND STREET, SUITE 101

VIRGINIA BEACH, VA 23462

Subject:

Report of Data - Project: CTO-094 MCB CAMP LEJEUNE/395307.S. WorkOrder: 1005180

Attn.: REBEKHA SHAW

Enclosed are the results of analytical work performed in accordance with the referenced account number. This report covers sample(s) appearing on the listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097

Sincerely,

Compuchem

a division of Liberty Analytical Corporation

Attachment

TOTAL NUMBER

OF PAGES _____

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

CompuChem, a division of Liberty Analytical

Client: CH2M HILL, INC. **Work:** 1005180

Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM **Sdg:** 1005180

Lab ID	Client ID	Matrix	Date Sampled	Date Received
1005180-01	SS41-0-1	Soil	05/20/2010 15:20	05/21/2010 16:00
1005180-02	SB41-1-2	Soil	05/20/2010 15:25	05/21/2010 16:00
1005180-03	SS35-0-1	Soil	05/20/2010 16:50	05/21/2010 16:00
1005180-04	SB35-2-3	Soil	05/20/2010 17:00	05/21/2010 16:00

CompuChem, a Division of Liberty Analytical Corporation

I. SAMPLE DATA SUMMARY PACKAGE

GC by SW-846

The sample data summary package shall contain data for all samples in one Sample Delivery Group (SDG) of the Case, as follows:

A. SDG Narrative

B. Tabulated target compound results (Form I)

C. Surrogate spike analysis results (Form II)
By matrix (Water or Soil), and
by concentration (Low, or Medium)

D. Spike results MS / MSD / LCS (Form III)

E. Blank data (Form IV)
Tabulated blank results (Form I)

LAB CODE : LIBRTY

METHOD: 8081B

SDG # : 1005180

A. SDG Narrative

CompuChem

a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG # 1005180
PROTOCOL: SW-846

SAMPLE IDENTIFICATIONS:

SB35-2-3 SB41-1-2 SS35-0-1 SS41-0-1

The four soil samples listed above were received intact, properly refrigerated at temperature ranging from 0.3°C to 1.3°C, with proper documentation, in sealed shipping containers, on May 21, 2010. The samples were scheduled for the requested analyses of the pesticide fraction. SW-846, 3rd Edition, Update 3, Sonication extraction (Method 3550B), and Method 8081B were used to prepare and analyze these samples, with the exceptions and/or additions requested by the client. The percent moisture value of these soil samples ranged from 5 to 18. This portion of the SDG narrative deals with the pesticide fraction only.

Pesticides

Extraction and analysis holding time requirements were met for these samples.

There were pesticide project analytes confirmed by dual column analysis above the Quantitation Limit (QL) in samples SB41-1-2 and SS35-0-1.

Manual integrations were performed on one or more of the process files associated with this SDG. Please see the detailed Manual Integration Summary report that is located behind this SDG narrative. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

All QC criteria were met for all initial and continuing calibration standards associated to this SDG.

The surrogates did not meet DOD recovery criteria but met in house criteria.

The associated method blank met all quality control criteria.

There were no associated duplicate matrix spikes for this SDG. Duplicate Laboratory Control Samples (LCS/LCSD) were analyzed instead. The associated LCS met all recovery criteria. Nine spike analytes did not meet recovery criteria in the LCSD.

An uncertainty of these test results may be estimated from the recovery of the surrogates added to the sample prior to sample preparation or from the recovery of spiked compound(s) in the associated laboratory control sample. Further information is available upon request.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Furthermore, I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Elsie S. Byrd
Senior Scientist I
June 18, 2010

Manual Integrations									
SDG:	1005180								
Sample(s)	SS41-0-1	SB41-1-2	SS35-0-1						
Compound									
alpha-BHC									
gamma-BHC									
beta-BHC		X							
delta-BHC									
Heptachlor									
Aldrin									
Heptachlor Epoxide									
gamma-Chlordane									
alpha-Chlordane									
Endosulfan I	X								
4,4'-DDE									
Dieldrin									
Endrin									
4,4'-DDD									
Endosulfan II									
4,4'-DDT									
Endrin Aldehyde			X						
Endosulfan sulfate			X						
Methoxychlor									
Endrin Ketone									
Toxaphene									
Technical Chordane									
Tetrachloro-m-xylene									
Decachlorbiphenyl									
"X" Denotes a manual integration for the compound									

Manual Integrations							
SDG:							
Sample(s)	0E27012-ARC1						
Compound							
alpha-BHC							
gamma-BHC							
beta-BHC							
delta-BHC							
Heptachlor							
Aldrin							
Heptachlor Epoxide							
gamma-Chlordane							
alpha-Chlordane							
Endosulfan I							
4,4'-DDE							
Dieldrin							
Endrin							
4,4'-DDD							
Endosulfan II							
4,4'-DDT							
Endrin Aldehyde							
Endosulfan sulfate							
Methoxychlor							
Endrin Ketone							
Toxaphene	x						
Technical Chordane							
Tetrachloro-m-xylene							
Decachlorbiphenyl							
"X" Denotes a manual integration for the compound							

GC and GC/MS Column and Trap Specifications Table

SDG #:	L005180

COLUMNS

Columns Utilized	Brand Name	Coating Material	ID (mm)	Film Thickness (um)	Length (m)
	GC Laboratory				
	Restek	RTX-5	0.53	1.0	30
	Restek	RTX-SMS	0.53	1.0	30
✓	Restek	clpest	0.32	0.5	30
✓	Restek	clpest2	0.32	0.42	30
	J&W	DB-210	0.53	1.0	30
	J&W	GS-GASPRO	0.32	N/A	30
	GC Volatiles Laboratory				
	Restek	RTX-Volatiles	0.53	2.0	30
	GC/MS Volatiles Laboratory				
	Restek	RTX-VMS	0.18	1.0	20
	Supelco	SPB-624	0.32	1.8	60
	Supelco	SPB-624	0.53	3.0	75
	Phenomonex	ZB-624	0.32	1.8	60
	GC/MS Semivolatiles Laboratory				
	Restek	RTX-5MS	0.32	0.25	30
	Phenomonex	ZB-5MS	0.32	0.25	30
	HPLC Laboratory				
	Supelco	Supelcosil LC-PAH	4.6	5.0	15 cm
	Supelco	Discovery RP Amide C16	4.6	5.0	25 cm
	Restek	Pinnacle Cyano	4.6	5.0	25 cm
	Restek	Allure C18	4.6	5.0	25 cm

TRAPS

	GC and GC/MS Volatiles Laboratory	
	Supelco J (BETXTRAP™)	* 7.7 cm Carbopack C
		* 1.2 cm Carbopack B
	Supelco K (Vocarb3000)	* 10 cm of Carbopack B (Graphitized Carbons)
		* 6 cm of Carboxen 1000 (Carbon molecular sieves)
		* 1 cm of Carboxen 1001 (Carbon molecular sieves)

Rev. 28

CompuChem

a division of Liberty Analytical Corporation

CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.).

Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC chemists. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC analysis. The manual editing/integration flags are:

M - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak.

H - Denotes that the data reviewer, GC/MS operator, or GC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

MH - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.

L - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

The EPA CLP SOW documents require additional explanations for manual editing/integration. In the accompanying raw data packages, additional codes have been applied to the "M" flag and carry the following meanings;

M1 - The compound was not found by the automatic integration routine.

M2 - The compound was incorrectly integrated by the automatic integration routine.

M3 - The co-eluting compounds were incorrectly integrated by the automatic integration routine.

These codes will appear in the GC/MS and GC raw data.

DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each compound. The qualifiers used are:

U : This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J : This flag indicates an estimated value. The flag is used as detailed below:

1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1:1 is assumed for the TIC analyte,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide and/or Aroclor or other GC or HPLC identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.

N : This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search and must be used with the J flag. For generic characterization of a TIC such as "chlorinated hydrocarbon" (or for an "unknown," with no matches ≥85% in the SOM01.2 SOW document), the N flag is not used.

P : In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the Form I and flagged with a P.
For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the lower of the two values is reported and flagged with a P. When the RPD is equal to or less than 40%, our policy is to also report the lower of the two values, although the choice could be a project specific issue. These SW-846 policies are consistent with Method 8000C. If Method 8000B is required, the higher of the two values is reported. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

DATA REPORTING QUALIFIERS (continued)

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis. If one or more compounds have a concentration greater than the upper level of the calibration range, the sample or extract will be diluted and reanalyzed. All such compounds with a concentration greater than the upper level of the calibration range will have the result flagged with an E on Form I for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration of an analyte exceeds the upper calibration range, the DL suffix is appended to the sample number on the Form I for the more diluted sample, and **all** reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.

NOTE 1: The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.

NOTE 2: Separate Forms I are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses <u>are not combined</u> on a single Form I.

A: This flag indicates that a TIC is a suspected aldol-condensation product.

S: In the SOM01.2 SOW document, this flag is used to indicate an estimated value for Aroclor target compounds where a valid 5-point initial calibration was not performed prior to the analytes detection in a sample. If an "S" flag is used for a specific Aroclor, then a reanalysis of the sample is required after a valid 5-point calibration is performed for the detected Aroclor.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y, and Z.

B. Form I

Organic Analysis Data Sheet (OADS)
- All samples in alphanumeric order
- Matrix Spike/Matrix Spike Duplicate
- Laboratory Control Sample(s)

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB35-2-3

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Matrix: (soil/water) SOIL Lab Sample ID: 1005180-04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 11 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/01/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/10/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.9	U
319-85-7	beta-BHC	0.96	U
319-84-6	alpha-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
72-54-8	4,4'-DDD	3.7	U
72-55-9	4,4'-DDE	3.7	U
50-29-3	4,4'-DDT	3.7	U
60-57-1	Dieldrin	3.7	U
959-98-8	Endosulfan I	1.9	U
33213-65-9	Endosulfan II	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
72-20-8	Endrin	3.7	U
7421-93-4	Endrin Aldehyde	3.7	U
76-44-8	Heptachlor	1.9	U
1024-57-3	Heptachlor Epoxide	1.9	U
72-43-5	Methoxychlor	19	U
8001-35-2	Toxaphene	93	U
53494-70-5	Endrin Ketone	3.7	U
5103-74-2	gamma-Chlordane	1.9	U
5103-71-9	alpha-Chlordane	1.9	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB41-1-2

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Matrix: (soil/water) SOIL Lab Sample ID: 1005180-02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 18 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/01/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/10/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.1	U
319-85-7	beta-BHC	1.0	U
319-84-6	alpha-BHC	2.1	U
319-86-8	delta-BHC	0.41	J
58-89-9	gamma-BHC (Lindane)	2.1	U
72-54-8	4,4'-DDD	4.0	U
72-55-9	4,4'-DDE	4.0	U
50-29-3	4,4'-DDT	4.0	U
60-57-1	Dieldrin	4.0	U
959-98-8	Endosulfan I	2.1	U
33213-65-9	Endosulfan II	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
72-20-8	Endrin	4.0	U
7421-93-4	Endrin Aldehyde	4.0	U
76-44-8	Heptachlor	2.1	U
1024-57-3	Heptachlor Epoxide	2.1	U
72-43-5	Methoxychlor	21	U
8001-35-2	Toxaphene	100	U
53494-70-5	Endrin Ketone	4.0	U
5103-74-2	gamma-Chlordane	0.42	JP
5103-71-9	alpha-Chlordane	2.1	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS35-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Matrix: (soil/water) SOIL Lab Sample ID: 1005180-03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 5 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/01/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/10/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.8	U
319-85-7	beta-BHC	0.90	U
319-84-6	alpha-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
72-54-8	4,4'-DDD	3.5	U
72-55-9	4,4'-DDE	3.5	U
50-29-3	4,4'-DDT	3.5	U
60-57-1	Dieldrin	3.5	U
959-98-8	Endosulfan I	0.20	J
33213-65-9	Endosulfan II	3.5	U
1031-07-8	Endosulfan sulfate	0.41	JP
72-20-8	Endrin	3.5	U
7421-93-4	Endrin Aldehyde	0.36	JP
76-44-8	Heptachlor	1.8	U
1024-57-3	Heptachlor Epoxide	1.8	U
72-43-5	Methoxychlor	18	U
8001-35-2	Toxaphene	87	U
53494-70-5	Endrin Ketone	3.5	U
5103-74-2	gamma-Chlordane	1.8	U
5103-71-9	alpha-Chlordane	1.8	U

FORM I PEST

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS41-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Matrix: (soil/water) SOIL Lab Sample ID: 1005180-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 8 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/01/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/10/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.8	U
319-85-7	beta-BHC	0.93	U
319-84-6	alpha-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
72-54-8	4,4'-DDD	3.6	U
72-55-9	4,4'-DDE	3.6	U
50-29-3	4,4'-DDT	3.6	U
60-57-1	Dieldrin	3.6	U
959-98-8	Endosulfan I	1.8	U
33213-65-9	Endosulfan II	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
72-20-8	Endrin	3.6	U
7421-93-4	Endrin Aldehyde	3.6	U
76-44-8	Heptachlor	1.8	U
1024-57-3	Heptachlor Epoxide	1.8	U
72-43-5	Methoxychlor	18	U
8001-35-2	Toxaphene	90	U
53494-70-5	Endrin Ketone	3.6	U
5103-74-2	gamma-Chlordane	1.8	U
5103-71-9	alpha-Chlordane	1.8	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDXLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Matrix: (soil/water) SOIL Lab Sample ID: 0060122-BS1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/01/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/10/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	3.8	
319-85-7	beta-BHC	4.0	
319-84-6	alpha-BHC	4.2	
319-86-8	delta-BHC	4.4	
58-89-9	gamma-BHC (Lindane)	3.8	
72-54-8	4,4'-DDD	11	
72-55-9	4,4'-DDE	10	
50-29-3	4,4'-DDT	9.6	
60-57-1	Dieldrin	11	
959-98-8	Endosulfan I	3.8	
33213-65-9	Endosulfan II	11	
1031-07-8	Endosulfan sulfate	10	
72-20-8	Endrin	10	
7421-93-4	Endrin Aldehyde	7.4	
76-44-8	Heptachlor	4.6	
1024-57-3	Heptachlor Epoxide	4.5	
72-43-5	Methoxychlor	11	J
8001-35-2	Toxaphene	83	U
53494-70-5	Endrin Ketone	11	
5103-74-2	gamma-Chlordane	4.1	
5103-71-9	alpha-Chlordane	4.6	

FORM I PEST

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDXLCSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Matrix: (soil/water) SOIL Lab Sample ID: 0060122-BSD1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/01/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/10/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.8	
319-85-7	beta-BHC	2.8	
319-84-6	alpha-BHC	2.9	
319-86-8	delta-BHC	3.1	
58-89-9	gamma-BHC (Lindane)	2.7	
72-54-8	4,4'-DDD	7.8	
72-55-9	4,4'-DDE	7.6	
50-29-3	4,4'-DDT	7.0	
60-57-1	Dieldrin	8.1	
959-98-8	Endosulfan I	2.9	
33213-65-9	Endosulfan II	7.7	
1031-07-8	Endosulfan sulfate	7.2	
72-20-8	Endrin	7.6	
7421-93-4	Endrin Aldehyde	5.4	
76-44-8	Heptachlor	3.3	
1024-57-3	Heptachlor Epoxide	3.4	
72-43-5	Methoxychlor	8.2	J
8001-35-2	Toxaphene	83	U
53494-70-5	Endrin Ketone	8.3	
5103-74-2	gamma-Chlordane	3.1	
5103-71-9	alpha-Chlordane	3.4	

C. Form II

Surrogate spike analysis

- By level (low, medium) -

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

GC Column(1): CLPEST ID: 0.32 (mm) GC Column(2): CLPEST2 ID: 0.32 (mm)

	EPA SAMPLE NO.	S1 1 %REC	#	S1 2 %REC	#	TCX 1 %REC	#	TCX 2 %REC	#	OTHER (1)	OTHER (2)	TOT OUT
01	PBLKDX	76		78		61	*	54	*			2
02	PDXLCS	71		73		84		71				0
03	PDXLCSD	53	*	54	*	58	*	54	*			4
04	SS41-0-1	75		72		73		72				0
05	SB41-1-2	79		82		80		67	*			1
06	SS35-0-1	80		74		71		71				0
07	SB35-2-3	78		77		73		68	*			1
08												
09												
10												
11												
12												
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30												

ADVISORY
QC LIMITS

S1 = Decachlorobiphenyl (55-130)
S2 (TCX) = Tetrachloro-m-Xylene (70-125)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

D. Form III

Matrix Spike/Matrix Spike Duplicate results
- By level (low, medium) -
Laboratory Control Sample(s)

3F
SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

LCS ID: PDXLCS Matrix Spike - EPA Sample No.: PDXLCS

COMPOUND	SPIKE ADDED (ug/Kg	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Aldrin	5.0		3.8	76	45-140
beta-BHC	5.0		4.0	80	60-125
alpha-BHC	5.0		4.2	84	60-125
delta-BHC	5.0		4.4	88	55-130
gamma-BHC (Lindane)	5.0		3.8	76	60-125
4,4'-DDD	13		11	85	30-135
4,4'-DDE	13		10	77	70-125
4,4'-DDT	13		9.6	74	45-140
Dieldrin	13		11	85	65-125
Endosulfan I	5.0		3.8	76	15-135
Endosulfan II	13		11	85	35-140
Endosulfan sulfate	13		10	77	60-135
Endrin	13		10	77	60-135
Endrin Aldehyde	13		7.4	57	35-145
Heptachlor	5.0		4.6	92	50-140
Heptachlor Epoxide	5.0		4.5	90	65-130
Methoxychlor	13		11	85	55-145
Endrin Ketone	13		11	85	65-135
gamma-Chlordane	5.0		4.1	82	65-125
alpha-Chlordane	5.0		4.6	92	65-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

3F
SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

LCS ID: PDXLCS Matrix Spike - EPA Sample No.: PDXLCS

COMPOUND	SPIKE ADDED (ug/Kg	LCSD CONCENTRATION (ug/Kg	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aldrin	5.0	2.8	56	30	40	45-140
beta-BHC	5.0	2.8	56*	35	40	60-125
alpha-BHC	5.0	2.9	58*	37	40	60-125
delta-BHC	5.0	3.1	62	35	40	55-130
gamma-BHC (Lindane)	5.0	2.7	54*	34	40	60-125
4,4'-DDD	13	7.8	60	34	40	30-135
4,4'-DDE	13	7.6	58*	27	40	70-125
4,4'-DDT	13	7.0	54	31	40	45-140
Dieldrin	13	8.1	62*	30	40	65-125
Endosulfan I	5.0	2.9	58	27	40	15-135
Endosulfan II	13	7.7	59	35	40	35-140
Endosulfan sulfate	13	7.2	55*	32	40	60-135
Endrin	13	7.6	58*	27	40	60-135
Endrin Aldehyde	13	5.4	42	31	40	35-145
Heptachlor	5.0	3.3	66	33	40	50-140
Heptachlor Epoxide	5.0	3.4	68	28	40	65-130
Methoxychlor	13	8.2	63	29	40	55-145
Endrin Ketone	13	8.3	64*	28	40	65-135
gamma-Chlordane	5.0	3.1	62*	28	40	65-125
alpha-Chlordane	5.0	3.4	68	30	40	65-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits
Spike Recovery: 9 out of 40 outside limits

COMMENTS: _____

E. Form IV

Method Blank Results
Form IV, Form I

Method blank summary, OADS,
- In chronological order of analysis

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLKDX

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Lab Sample ID: 0060122-BLK1 Lab File ID: 385J0060122-BLK1

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SONC

Sulfur Cleanup (Y/N) N Date Extracted: 06/01/10

Date Analyzed (1): 06/10/10 Date Analyzed (2): 06/10/10

Time Analyzed (1): 1347 Time Analyzed (2): 1347

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column (1): CLPEST ID: 0.32(mm) GC Column (2): CLPEST2 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PDXLCS	0060122-BS1	06/10/10	06/10/10
02	PDXLCSD	0060122-BSD1	06/10/10	06/10/10
03	SS41-0-1	1005180-01	06/10/10	06/10/10
04	SB41-1-2	1005180-02	06/10/10	06/10/10
05	SS35-0-1	1005180-03	06/10/10	06/10/10
06	SB35-2-3	1005180-04	06/10/10	06/10/10
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: _____

FORM IV PEST

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKDX

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Matrix: (soil/water) SOIL Lab Sample ID: 0060122-BLK1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/01/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/10/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.7	U
319-85-7	beta-BHC	0.85	U
319-84-6	alpha-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
72-54-8	4,4'-DDD	3.3	U
72-55-9	4,4'-DDE	3.3	U
50-29-3	4,4'-DDT	3.3	U
60-57-1	Dieldrin	3.3	U
959-98-8	Endosulfan I	1.7	U
33213-65-9	Endosulfan II	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
72-20-8	Endrin	3.3	U
7421-93-4	Endrin Aldehyde	3.3	U
76-44-8	Heptachlor	1.7	U
1024-57-3	Heptachlor Epoxide	1.7	U
72-43-5	Methoxychlor	17	U
8001-35-2	Toxaphene	83	U
53494-70-5	Endrin Ketone	3.3	U
5103-74-2	gamma-Chlordane	1.7	U
5103-71-9	alpha-Chlordane	1.7	U

CompuChem, a Division of Liberty Analytical Corporation

I. SAMPLE DATA PACKAGE

GC by SW-846

The sample data package shall include data for all analyses of all samples in one Sample Delivery Group (SDG), including field samples, dilutions, reanalyses, blanks, matrix spikes, matrix spike duplicates, and laboratory control samples. The sample data package consists of the following:

A. SDG Narrative

B. Chain-of-Custody Documentation

C. SDG Data

LAB CODE : LIBRTY

METHOD: 8081B

SDG # : 1005180

A. SDG Narrative

CompuChem

a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG # 1005180
PROTOCOL: SW-846

SAMPLE IDENTIFICATIONS:

SB35-2-3 SB41-1-2 SS35-0-1 SS41-0-1

The four soil samples listed above were received intact, properly refrigerated at temperature ranging from 0.3°C to 1.3°C, with proper documentation, in sealed shipping containers, on May 21, 2010. The samples were scheduled for the requested analyses of the pesticide fraction. SW-846, 3rd Edition, Update 3, Sonication extraction (Method 3550B), and Method 8081B were used to prepare and analyze these samples, with the exceptions and/or additions requested by the client. The percent moisture value of these soil samples ranged from 5 to 18. This portion of the SDG narrative deals with the pesticide fraction only.

Pesticides

Extraction and analysis holding time requirements were met for these samples.

There were pesticide project analytes confirmed by dual column analysis above the Quantitation Limit (QL) in samples SB41-1-2 and SS35-0-1.

Manual integrations were performed on one or more of the process files associated with this SDG. Please see the detailed Manual Integration Summary report that is located behind this SDG narrative. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

All QC criteria were met for all initial and continuing calibration standards associated to this SDG.

The surrogates did not meet DOD recovery criteria but met in house criteria.

The associated method blank met all quality control criteria.

There were no associated duplicate matrix spikes for this SDG. Duplicate Laboratory Control Samples (LCS/LCSD) were analyzed instead. The associated LCS met all recovery criteria. Nine spike analytes did not meet recovery criteria in the LCSD.

An uncertainty of these test results may be estimated from the recovery of the surrogates added to the sample prior to sample preparation or from the recovery of spiked compound(s) in the associated laboratory control sample. Further information is available upon request.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Furthermore, I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Elsie S. Byrd
Senior Scientist I
June 18, 2010

Manual Integrations									
SDG:	1005180								
Sample(s)	SS41-0-1	SB41-1-2	SS35-0-1						
Compound									
alpha-BHC									
gamma-BHC									
beta-BHC		X							
delta-BHC									
Heptachlor									
Aldrin									
Heptachlor Epoxide									
gamma-Chlordane									
alpha-Chlordane									
Endosulfan I	X								
4,4'-DDE									
Dieldrin									
Endrin									
4,4'-DDD									
Endosulfan II									
4,4'-DDT									
Endrin Aldehyde			X						
Endosulfan sulfate			X						
Methoxychlor									
Endrin Ketone									
Toxaphene									
Technical Chordane									
Tetrachloro-m-xylene									
Decachlorbiphenyl									
"X" Denotes a manual integration for the compound									

Manual Integrations							
SDG:							
Sample(s)	0E27012-ARC1						
Compound							
alpha-BHC							
gamma-BHC							
beta-BHC							
delta-BHC							
Heptachlor							
Aldrin							
Heptachlor Epoxide							
gamma-Chlordane							
alpha-Chlordane							
Endosulfan I							
4,4'-DDE							
Dieldrin							
Endrin							
4,4'-DDD							
Endosulfan II							
4,4'-DDT							
Endrin Aldehyde							
Endosulfan sulfate							
Methoxychlor							
Endrin Ketone							
Toxaphene	x						
Technical Chordane							
Tetrachloro-m-xylene							
Decachlorbiphenyl							
"X" Denotes a manual integration for the compound							

GC and GC/MS Column and Trap Specifications Table

SDG #:	100510

COLUMNS

Columns Utilized	Brand Name	Coating Material	ID (mm)	Film Thickness (um)	Length (m)
	GC Laboratory				
	Restek	RTX-5	0.53	1.0	30
	Restek	RTX-SMS	0.53	1.0	30
✓	Restek	clpest	0.32	0.5	30
✓	Restek	clpest2	0.32	0.42	30
	J&W	DB-210	0.53	1.0	30
	J&W	GS-GASPRO	0.32	N/A	30
	GC Volatiles Laboratory				
	Restek	RTX-Volatiles	0.53	2.0	30
	GC/MS Volatiles Laboratory				
	Restek	RTX-VMS	0.18	1.0	20
	Supelco	SPB-624	0.32	1.8	60
	Supelco	SPB-624	0.53	3.0	75
	Phenomonex	ZB-624	0.32	1.8	60
	GC/MS Semivolatiles Laboratory				
	Restek	RTX-5MS	0.32	0.25	30
	Phenomonex	ZB-5MS	0.32	0.25	30
	HPLC Laboratory				
	Supelco	Supelcosil LC-PAH	4.6	5.0	15 cm
	Supelco	Discovery RP Amide C16	4.6	5.0	25 cm
	Restek	Pinnacle Cyano	4.6	5.0	25 cm
	Restek	Allure C18	4.6	5.0	25 cm

TRAPS

	GC and GC/MS Volatiles Laboratory	
	Supelco J (BETXTRAP™)	* 7.7 cm Carbopack C
		* 1.2 cm Carbopack B
	Supelco K (Vocarb3000)	* 10 cm of Carbopack B (Graphitized Carbons)
		* 6 cm of Carboxen 1000 (Carbon molecular sieves)
		* 1 cm of Carboxen 1001 (Carbon molecular sieves)

Rev. 28

CompuChem

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CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.).

Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC chemists. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC analysis. The manual editing/integration flags are:

M - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak.

H - Denotes that the data reviewer, GC/MS operator, or GC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

MH - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.

L - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

The EPA CLP SOW documents require additional explanations for manual editing/integration. In the accompanying raw data packages, additional codes have been applied to the "M" flag and carry the following meanings;

M1 - The compound was not found by the automatic integration routine.

M2 - The compound was incorrectly integrated by the automatic integration routine.

M3 - The co-eluting compounds were incorrectly integrated by the automatic integration routine.

These codes will appear in the GC/MS and GC raw data.

DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each compound. The qualifiers used are:

U : This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J : This flag indicates an estimated value. The flag is used as detailed below:

1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1:1 is assumed for the TIC analyte,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide and/or Aroclor or other GC or HPLC identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.

N : This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search and must be used with the J flag. For generic characterization of a TIC such as "chlorinated hydrocarbon" (or for an "unknown," with no matches ≥85% in the SOM01.2 SOW document), the N flag is not used.

P : In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the Form I and flagged with a P.
For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the lower of the two values is reported and flagged with a P. When the RPD is equal to or less than 40%, our policy is to also report the lower of the two values, although the choice could be a project specific issue. These SW-846 policies are consistent with Method 8000C. If Method 8000B is required, the higher of the two values is reported. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

DATA REPORTING QUALIFIERS (continued)

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis. If one or more compounds have a concentration greater than the upper level of the calibration range, the sample or extract will be diluted and reanalyzed. All such compounds with a concentration greater than the upper level of the calibration range will have the result flagged with an E on Form I for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration of an analyte exceeds the upper calibration range, the DL suffix is appended to the sample number on the Form I for the more diluted sample, and **all** reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.

NOTE 1: The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.

NOTE 2: Separate Forms I are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses <u>are not combined</u> on a single Form I.

A: This flag indicates that a TIC is a suspected aldol-condensation product.

S: In the SOM01.2 SOW document, this flag is used to indicate an estimated value for Aroclor target compounds where a valid 5-point initial calibration was not performed prior to the analytes detection in a sample. If an "S" flag is used for a specific Aroclor, then a reanalysis of the sample is required after a valid 5-point calibration is performed for the detected Aroclor.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y, and Z.

B. Chains-of-Custody

The laboratory shall include a copy of the Chain-of-Custody (CoC) documentation for all of the samples in the SDG. The CoC documents shall be arranged in increasing Client Sample ID number order, considering both letters and numbers.

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Liberty Analytical Corp.

Sample ID Cross Reference

LAB WO	Project	Sample #	Field ID	Sample Date	Receive Date	DueDate	Chain of Custody ID
1005180	CTO-094 MCB CAMP LEJEUNE/39530	1005180-01	SS41-0-1	05/20/2010	05/21/2010	06/03/2010	BBG-SS41-0-1-10B
1005180	CTO-094 MCB CAMP LEJEUNE/39530	1005180-01	SS41-0-1	05/20/2010	05/21/2010	06/10/2010	BBG-SS41-0-1-10B
1005180	CTO-094 MCB CAMP LEJEUNE/39530	1005180-02	SB41-1-2	05/20/2010	05/21/2010	06/03/2010	BBG-SB41-1-2-10B
1005180	CTO-094 MCB CAMP LEJEUNE/39530	1005180-02	SB41-1-2	05/20/2010	05/21/2010	06/10/2010	BBG-SB41-1-2-10B
1005180	CTO-094 MCB CAMP LEJEUNE/39530	1005180-03	SS35-0-1	05/20/2010	05/21/2010	06/03/2010	BBG-SS35-0-1-10B
1005180	CTO-094 MCB CAMP LEJEUNE/39530	1005180-03	SS35-0-1	05/20/2010	05/21/2010	06/10/2010	BBG-SS35-0-1-10B
1005180	CTO-094 MCB CAMP LEJEUNE/39530	1005180-04	SB35-2-3	05/20/2010	05/21/2010	06/03/2010	BBG-SB35-2-3-10B
1005180	CTO-094 MCB CAMP LEJEUNE/39530	1005180-04	SB35-2-3	05/20/2010	05/21/2010	06/10/2010	BBG-SB35-2-3-10B

WORK ORDER

1005180

Printed: 5/28/2010 6:52:55PM

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005180** **CASE:**	**Status:**	**Received**

Report To:
CH2M HILL, INC.
REBEKHA SHAW
5700 CLEVELAND STREET, SUITE 101
VIRGINIA BEACH, VA 23462
Phone: 757-671-8311
Fax: -

Invoice To:
CH2M HILL, INC.
ACCOUNTS PAYABLE
P.O. BOX 241329
DENVER, CO 80224
Phone :757-671-8311
Fax: -

Date Due: 06/10/2010 00:00 (20 day TAT)

Received By: Cathy Dover — Date Received: 05/21/2010 16:00

Logged In By: Cathy Dover — Date Logged In: 05/23/2010 13:13

J & B Flags?: **YES**	TICS?:**NO**	Deliverable: **Style 9 PQL/MDL Forms**	EDD : **30) CH2 SNEDD**
Metals ND to? **RL/CRQL**	Spike Level: **FULL Spike**		

DOD CRITERIA*LCS/LCSD FOR QC*SIM 8270C=PAH.SUB*PEST 8081A* METALS=TOTAL Cr ONLY*HEXAVALENT Cr 7196A + Cr+3 REPORTED ON FORMS & EDD

Analysis	Due	TAT	Expires	Received	Comments
1005180-01 SS41-0-1 [Soil] Sampled 05/20/2010 15:20 Eastern					
6010B METALS	06/10/2010 16:00	20	11/16/2010 15:20	05/21/2010 16:00	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 15:20	05/21/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 15:20	05/21/2010 16:00	
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 15:20	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 15:20	05/21/2010 16:00	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/16/2010 15:20	05/21/2010 16:00	
1005180-02 SB41-1-2 [Soil] Sampled 05/20/2010 15:25 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 15:25	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 15:25	05/21/2010 16:00	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/16/2010 15:25	05/21/2010 16:00	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 15:25	05/21/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/16/2010 15:25	05/21/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 15:25	05/21/2010 16:00	

1005180

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005180** **CASE:**	**Status:**	**[Group]**

Analysis	Due	TAT	Expires	Comments
1005180-03 SS35-0-1 [Soil] Sampled 05/20/2010 16:50 Eastern				
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 16:50	05/21/2010 16:00
6010B METALS	06/10/2010 16:00	20	11/16/2010 16:50	05/21/2010 16:00
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/16/2010 16:50	05/21/2010 16:00
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 16:50	05/21/2010 16:00
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 16:50	05/21/2010 16:00
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 16:50	05/21/2010 16:00
1005180-04 SB35-2-3 [Soil] Sampled 05/20/2010 17:00 Eastern				
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 17:00	05/21/2010 16:00
6010B METALS	06/10/2010 16:00	20	11/16/2010 17:00	05/21/2010 16:00
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/16/2010 17:00	05/21/2010 16:00
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 17:00	05/21/2010 16:00
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 17:00	05/21/2010 16:00
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 17:00	05/21/2010 16:00

Analysis groups included in this work order

TRIVALENT CHROMIUM Cr3 7196A

Total Cr by Metals HEXAVALENT CHROMI

24787

Page 1 of 1

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CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St Ste 107
City: Va Beach State: VA Zip: 23462
Project Contact: Rebekka Shaw
Phone #: 757-671-6279
Sampler's Name: K. Rogers

Project Information

Project Name: CTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N)? If yes, which ID(s)?

Matrix
GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

CompuChem Lab #	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B (Share 1-2oz.)	Tot Cr 6010B	Cr VI 7196A	SIM PAH 8270C (Share 1-8oz.)	Tot PEST 8081A	Grain Size ASTM D422 (1-8oz.)		Gran size					
1005157-05	BBG-SS70-0-1-10B	5.20	1200	SO	3							X		X	X	X	X		1005213-05					
-06	BBG-SB70-1-2-10B	5.20	1210	SO	3							X		X	X	X	X		-06					
1005180-01	BBG-SS41-0-1-10B	5.20	1520	SO	3								X	X	X	X	X		-07					
(E)	~~BBG-SB41-1-2-10B~~	~~5.20~~	~~125~~	~~SO~~																				
1005180-02	BBG-SB41-1-2-10B	5.20	1525	SO	3								X	X	X	X	X		1005213-08					
1005157-08	BBG-SS69-0-1-10B	5.20	1610	SO	3							X		X	X	X	X		-09					
-09	BBG-SB69-2-3-10B	5.20	1620	SO	3							X		X	X	X	X		-10					
-10	BBG-SB64-1-2-10B	5.20	1820	SO	3							X		X	X	X	X		-11					
-11	BBG-SB65-1-2-10B	5.20	1745	SO	3							X		X	X	X	X		-12					
-12	BBG-SS64-0-1-10B	5.20	1815	SO	3							X		X	X	X	X		-13					

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (N/A)
625 & Phenol samples checked for chlorine? Y or (N/A)
608 samples checked for pH between 5.0-9.0? Y or (N/A)

Sample Custody

Relinquished by:	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5-21-10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontract? Y or (N) If yes, where? Gran size to CT LABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 0.3 °C

Samples stored 60 days after date report mailed at no extra charge.

KM 5-21-10 - Client Delivery

White & Yellow copy to lab • Pink copy for customer

SN0010

24789

Page 1 of 1

41

CompuChem
a division of Liberty Analytical Corp.

CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: Va Beach State: VA Zip: 23462
Project Contact: Rebekha Shaw
Phone #: 757-671-6279
Sampler's Name: K. Rogers

Project Information

Project Name: CTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N)? If yes, which ID(s)?

Matrix
GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

Compuchem Lab ID	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Requested Analysis: 6010B metals	Tot Cr 6010B (Share 20%)	Cr VI 7196A	SIM PAH 8270C (Share 80%)	Tot PCST 8081A	Grain Size ASTM D422 (1-80#)	Gram Size	Lab Use Only
1005180-03	BBG-SS35-0-1-10B	5.20	1650	SO	3								X	X	X	X	X	1005213-14	
1005157-13	BBG-SS66-0-1-10B	5.20	1720	SO	3							X		X	X	X	X		-15
-14	BBG-SS65-0-1-10B	5.20	1740	SO	3							X		X	X	X	X		-16
1005180-04	BBG-SB35-2-3-10B	5.20	1700	SO	3								X	X	X	X	X		-17
1005157-15	BBG-SS82-0-1-10B	5.20	0825	SO	3							X	X	X	X	X	X		-18
-16	BBG-SS82D-0-1-10B	5.21	0830	SO	3							X	X	X	X	X			
-17	BBG-SB82-2-3-10B	5.21	0840	SO	3							X		X	X	X	X	1005213-19	
-18	BBG-SB82D-2-3-10B	5.21	0845	SO	3							X		X	X	X			

Lab Use Only

Sample Unpacked By: K Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Sample Custody

Relinquished by:	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5.21.10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? (Y) or N If yes, where? Gran Size to CT LABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 1.3 °C

Samples stored 60 days after date report mailed at no extra charge.

KM 5.21.10 - Client Delivery

White & Yellow copy to lab • Pink copy for customer

SN0015

CompuChem, a Division of Liberty Analytical Corp.

EXTRACT COC

6-18-2

DEPT: EXTR **DATE:** 6-18-10

BATCH: 0060122

	COMPUCHEM NUMBER	CLIENT SAMPLE ID	PARAMETER	
1	0060122-BLK1	PBLKDX		
2	0060122-BS1	PDXLCS		
3	0060122-BSD1	PDXLCSD		
4	1005180-01	SS41-0-1		
5	1005180-02	SB41-1-2		
6	1005180-03	SS35-0-1		
7	1005180-04	SB35-2-3		
8				
9				
10				
11				
12				
13				
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27				
28				
	RELINQUISHED BY	DATE/TIME	REC. BY	REASON
	[illegible]	6-10-10/1:15pm	GC Ref #3	Storage
	GC#3	6/10/10 1340	GC	Cy
	GC	6/10/10 1340	GC#4	Sf

Rev. 12/29/09:RM

CompuChem

ASSIGNED TO T.Williams/HILAKE EXTRACTION WORKSHEET DATE/TIME EXTRACTED: 6-1-10 1600

PEST/PCB IN S/S/S BY METHOD 3550B/C for 8081/8082

EMPLOYEE ID # 1289 /2728 733 6-10-2 BATCH NO.: 0060122

	COMPUCHEM NUMBER	CLIENT SAMPLE ID	QC SAMPLE TYPE	SAMPLE WEIGHT (g)	FINAL VOLUME (ml)	COMMENTS
1	0060122-BLK1	PBLKDX	MB	30.0	5.0	** Samples need to be GPC'd **
2	0060122-BS1	PDXLCS	LCS	30.0		
3	0060122-BSD1	PDXLCSD	LCSD	30.0		ML 6-10-10
4	1005180-01	SS41-0-1	SAMPLE	30.0		
5	1005180-02	SB41-1-2	SAMPLE	30.0		
6	1005180-03	SS35-0-1	SAMPLE	30.0		GPC (3640A) PERFORMED? (Y) N
7	1005180-04	SB35-2-3	SAMPLE	30.0	5.0	FLORISIL PERFORMED? Y (N)
8						
9						
10						
11						
12						
13		ML 6-10-10				
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						GPC Run Date: 6-9-10
25						GPC # 2
26						GPC Calib. Date: 6-9-10

		#	AMOUNT	LOT #	SURROGATE AND SPIKE ADDED BY:
	SURROGATE	449	0.5 ml	OE07004	TTMW 6-1-10
	SPIKE	4030	1.0 ml	OE23001	INITIALS DATE

FINAL VOLUME VERIFIED: ML

REVIEWED BY: JWP

Witness MC 6-1-10 (Initials Date)

Analysts initials. Extract TTMW KD ML N2 ML Bottle up ML

Balance: OHAUS-E400

Manufacturers and lot numbers of reagents/solvents used 50/50 CH_2Cl_2/CH_3COCH_3-ZXXB-652-4, Na_2SO_4-ZXXB-652-3, C_6H_{14}-73003

4/1/10:jad

43

C. SDG Data

1. QC Summary
2. Sample Data
3. Standards Data
4. Raw QC Data

LAB CODE : LIBRTY METHOD: 8081B

SDG # : 1005180

1. QC Summary

a. Surrogate Percent Recovery Summary (Form II)

b. Matrix Spike/Matrix Spike Duplicate/
Laboratory Control Sample Summary
(Form III)

c. Method Blank Summary (Form IV)

a. Surrogate Percent Recovery Summary

(Form II)

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

GC Column(1): CLPEST ID: 0.32 (mm) GC Column(2): CLPEST2 ID: 0.32 (mm)

	EPA SAMPLE NO.	S1 1 %REC	#	S1 2 %REC	#	TCX 1 %REC	#	TCX 2 %REC	#	OTHER (1)	OTHER (2)	TOT OUT
01	PBLKDX	76		78		61	*	54	*			2
02	PDXLCS	71		73		84		71				0
03	PDXLCSD	53	*	54	*	58	*	54	*			4
04	SS41-0-1	75		72		73		72				0
05	SB41-1-2	79		82		80		67	*			1
06	SS35-0-1	80		74		71		71				0
07	SB35-2-3	78		77		73		68	*			1
08												
09												
10												
11												
12												
13												
14												
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27												
28												
29												
30												

ADVISORY
QC LIMITS

S1 = Decachlorobiphenyl (55-130)
S2 (TCX) = Tetrachloro-m-Xylene (70-125)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

b. Matrix Spike/Matrix Spike Duplicate/
Laboratory Control Sample Summary

(Form III)

3F

SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

LCS ID: PDXLCS Matrix Spike - EPA Sample No.: PDXLCS

COMPOUND	SPIKE ADDED (ug/Kg	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Aldrin	5.0		3.8	76	45-140
beta-BHC	5.0		4.0	80	60-125
alpha-BHC	5.0		4.2	84	60-125
delta-BHC	5.0		4.4	88	55-130
gamma-BHC (Lindane)	5.0		3.8	76	60-125
4,4'-DDD	13		11	85	30-135
4,4'-DDE	13		10	77	70-125
4,4'-DDT	13		9.6	74	45-140
Dieldrin	13		11	85	65-125
Endosulfan I	5.0		3.8	76	15-135
Endosulfan II	13		11	85	35-140
Endosulfan sulfate	13		10	77	60-135
Endrin	13		10	77	60-135
Endrin Aldehyde	13		7.4	57	35-145
Heptachlor	5.0		4.6	92	50-140
Heptachlor Epoxide	5.0		4.5	90	65-130
Methoxychlor	13		11	85	55-145
Endrin Ketone	13		11	85	65-135
gamma-Chlordane	5.0		4.1	82	65-125
alpha-Chlordane	5.0		4.6	92	65-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

3F

SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

LCS ID: PDXLCS Matrix Spike - EPA Sample No.: PDXLCS

COMPOUND	SPIKE ADDED (ug/Kg	LCSD CONCENTRATION (ug/Kg	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aldrin	5.0	2.8	56	30	40	45-140
beta-BHC	5.0	2.8	56*	35	40	60-125
alpha-BHC	5.0	2.9	58*	37	40	60-125
delta-BHC	5.0	3.1	62	35	40	55-130
gamma-BHC (Lindane)	5.0	2.7	54*	34	40	60-125
4,4'-DDD	13	7.8	60	34	40	30-135
4,4'-DDE	13	7.6	58*	27	40	70-125
4,4'-DDT	13	7.0	54	31	40	45-140
Dieldrin	13	8.1	62*	30	40	65-125
Endosulfan I	5.0	2.9	58	27	40	15-135
Endosulfan II	13	7.7	59	35	40	35-140
Endosulfan sulfate	13	7.2	55*	32	40	60-135
Endrin	13	7.6	58*	27	40	60-135
Endrin Aldehyde	13	5.4	42	31	40	35-145
Heptachlor	5.0	3.3	66	33	40	50-140
Heptachlor Epoxide	5.0	3.4	68	28	40	65-130
Methoxychlor	13	8.2	63	29	40	55-145
Endrin Ketone	13	8.3	64*	28	40	65-135
gamma-Chlordane	5.0	3.1	62*	28	40	65-125
alpha-Chlordane	5.0	3.4	68	30	40	65-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits
Spike Recovery: 9 out of 40 outside limits

COMMENTS: _____

c. Method Blank Summary (Form IV)

If more than a single form is necessary, forms shall be arranged in chronological order by date of analysis of the blanks and by instrument.

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLKDX

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Lab Sample ID: 0060122-BLK1 Lab File ID: 385J0060122-BLK1

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SONC

Sulfur Cleanup (Y/N) N Date Extracted: 06/01/10

Date Analyzed (1): 06/10/10 Date Analyzed (2): 06/10/10

Time Analyzed (1): 1347 Time Analyzed (2): 1347

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column (1): CLPEST ID: 0.32(mm) GC Column (2): CLPEST2 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PDXLCS	0060122-BS1	06/10/10	06/10/10
02	PDXLCSD	0060122-BSD1	06/10/10	06/10/10
03	SS41-0-1	1005180-01	06/10/10	06/10/10
04	SB41-1-2	1005180-02	06/10/10	06/10/10
05	SS35-0-1	1005180-03	06/10/10	06/10/10
06	SB35-2-3	1005180-04	06/10/10	06/10/10
07				
08				
09				
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26				

COMMENTS: _____

2. Sample Data

Sample data shall be arranged in packets with the Organic Analysis Data Sheet (Form I), followed by the raw data for samples. These sample packets shall be placed in increasing Client Sample ID number order, considering both letters and numbers.

a. Target Analyte Results (Form I SV)

Tabulated results (identification and quantitation) shall be included.

b. Copies of Chromatograms

Positively identified compounds shall be labeled with the names of compounds,eitherdirectly out from the peak on the chromatogram, or on a printout of retention times on the data system printout if retention times are printed over the peak on the chromatogram. Include for each sample or sample extract, including dilutions and reanalyses. The chromatogram shall contain the following header information: Client Sample ID number, volume injected (ul), date and time of injection, GC column ID, and GC instrument ID.

c. Copies of Chromatograms from the Second Column

(if necessary)

d. Data System Printout

A printout of retention time and corresponding peak height or peak Area shall accompany each chromatogram. Where edits have been Made, inialing, dating and integration time range are rewuired.

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB35-2-3

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Matrix: (soil/water) SOIL Lab Sample ID: 1005180-04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 11 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/01/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/10/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.9	U
319-85-7	beta-BHC	0.96	U
319-84-6	alpha-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
72-54-8	4,4'-DDD	3.7	U
72-55-9	4,4'-DDE	3.7	U
50-29-3	4,4'-DDT	3.7	U
60-57-1	Dieldrin	3.7	U
959-98-8	Endosulfan I	1.9	U
33213-65-9	Endosulfan II	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
72-20-8	Endrin	3.7	U
7421-93-4	Endrin Aldehyde	3.7	U
76-44-8	Heptachlor	1.9	U
1024-57-3	Heptachlor Epoxide	1.9	U
72-43-5	Methoxychlor	19	U
8001-35-2	Toxaphene	93	U
53494-70-5	Endrin Ketone	3.7	U
5103-74-2	gamma-Chlordane	1.9	U
5103-71-9	alpha-Chlordane	1.9	U

Data File: /chem/tracegc84.i/j100528zk.b/391j1005180-04.d

Page 1

Date : 10-JUN-2010 16:39

Client ID: SB35-2-3

Instrument: tracegc84.i

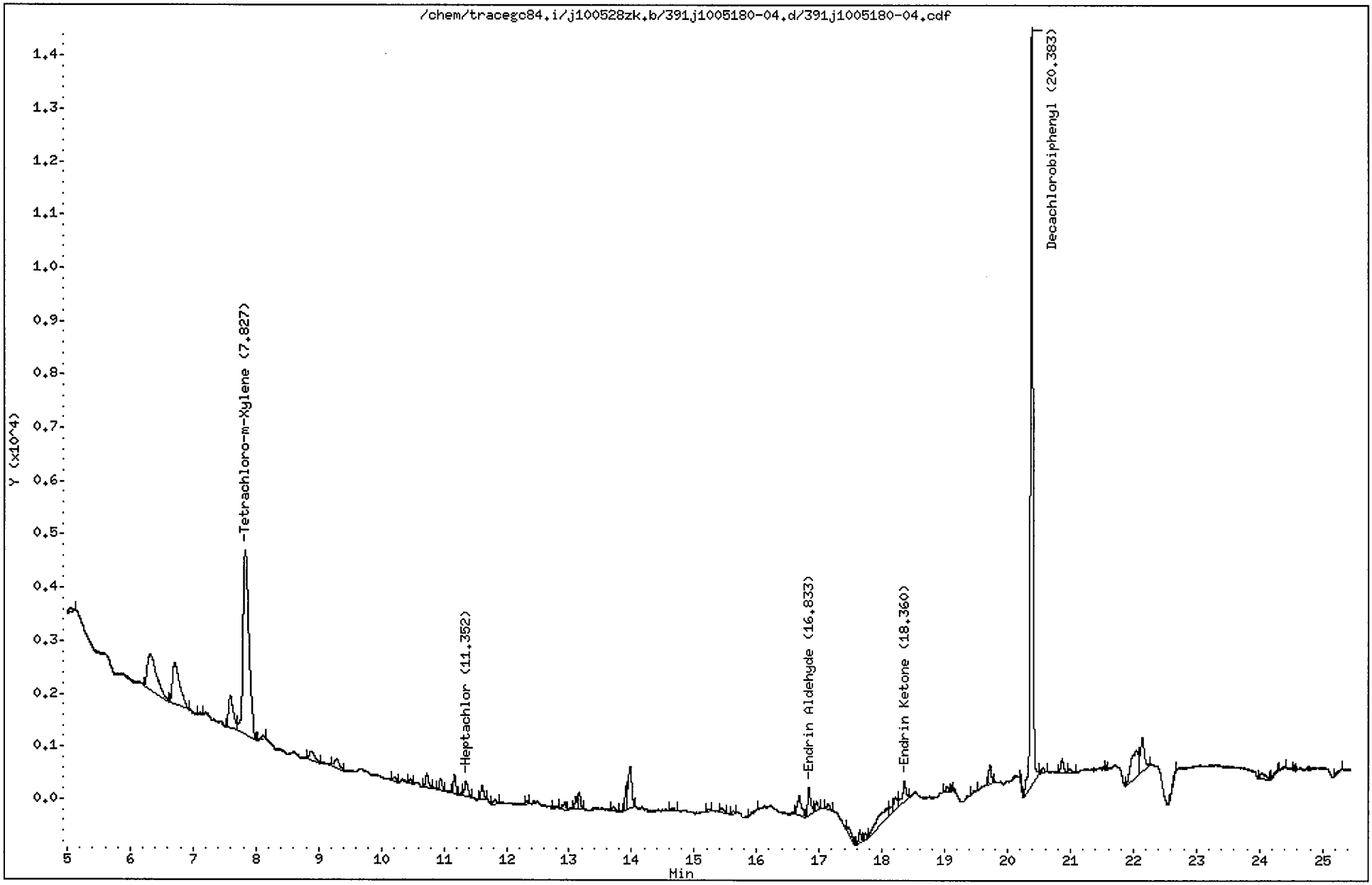
Sample Info: 1005180-04

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005180-04 Client Smp Id : SB35-2-3
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 10-JUN-2010 16:39 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zk.b/8081A_clpestv6.m
Misc. Info : SB35-2-3

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 11(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.41		20593963								
3.23		17915								
3.39		35176								
4.14		3203								
4.43		402								
4.54		14310								
5.04		334								
6.33		6846								
6.71		6143								
7.11		142								
7.59		3384								
7.83	7.77 7.91	22848	522758	Tetrachloro-m-Xylene	0.043707	8.184773		72.8	70 - 125	
8.12		226								
8.87		1058								
9.28		927								
10.21		286								
10.46		243								
10.73		897								
10.94		698								
11.16		1003								
11.29		150								
11.35	11.29 11.43	1058	695465	Heptachlor	0.001521	0.284885	1.910112			J
11.61		839								
11.81		325								
12.33		171								
12.77		178								
12.89		492								
13.11		575								
13.16		791								
13.71		241								
13.91		1078								
13.98		3163								
14.67		195								
15.23		141								
15.44		313								
15.63		142								
16.01		167								

CompuChem

Lab Smp Id : 1005180-04 Client Smp Id : SB35-2-3
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 10-JUN-2010 16:39 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zk.b/8081A_clpestv6.m
Misc. Info : SB35-2-3

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 11(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
16.68		1818								
16.83	16.71 16.85	1816	348470	Endrin Aldehyde	0.005211	0.975909	3.707865			J
16.96		535								
17.15		342								
17.46		498								
17.64		611								
17.74		250								
18.08		2592								
18.14		450								
18.21		1068								
18.36	18.24 18.38	1525	457258	Endrin Ketone	0.003335	0.624551	3.707865			J
19.04		285								
19.11		140								
19.48		123								
19.72		1006								
20.21		141								
20.38	20.33 20.47	38458	408350	Decachlorobiphenyl	0.094177	17.63606		78.5	55 - 130	
20.56		423								
20.87		787								
20.99		250								
21.58		180								
22.05		4296								
22.14		2869								
22.68		487								
24.05		674								
24.28		132								
24.39		145								
24.56		129								
25.30		184								

Data File: /chem/tracegc84.i/j100528zk_2C.b/391j1005180-04.d

Page 1

Date : 10-JUN-2010 16:39

Client ID: SB35-2-3

Instrument: tracegc84.i

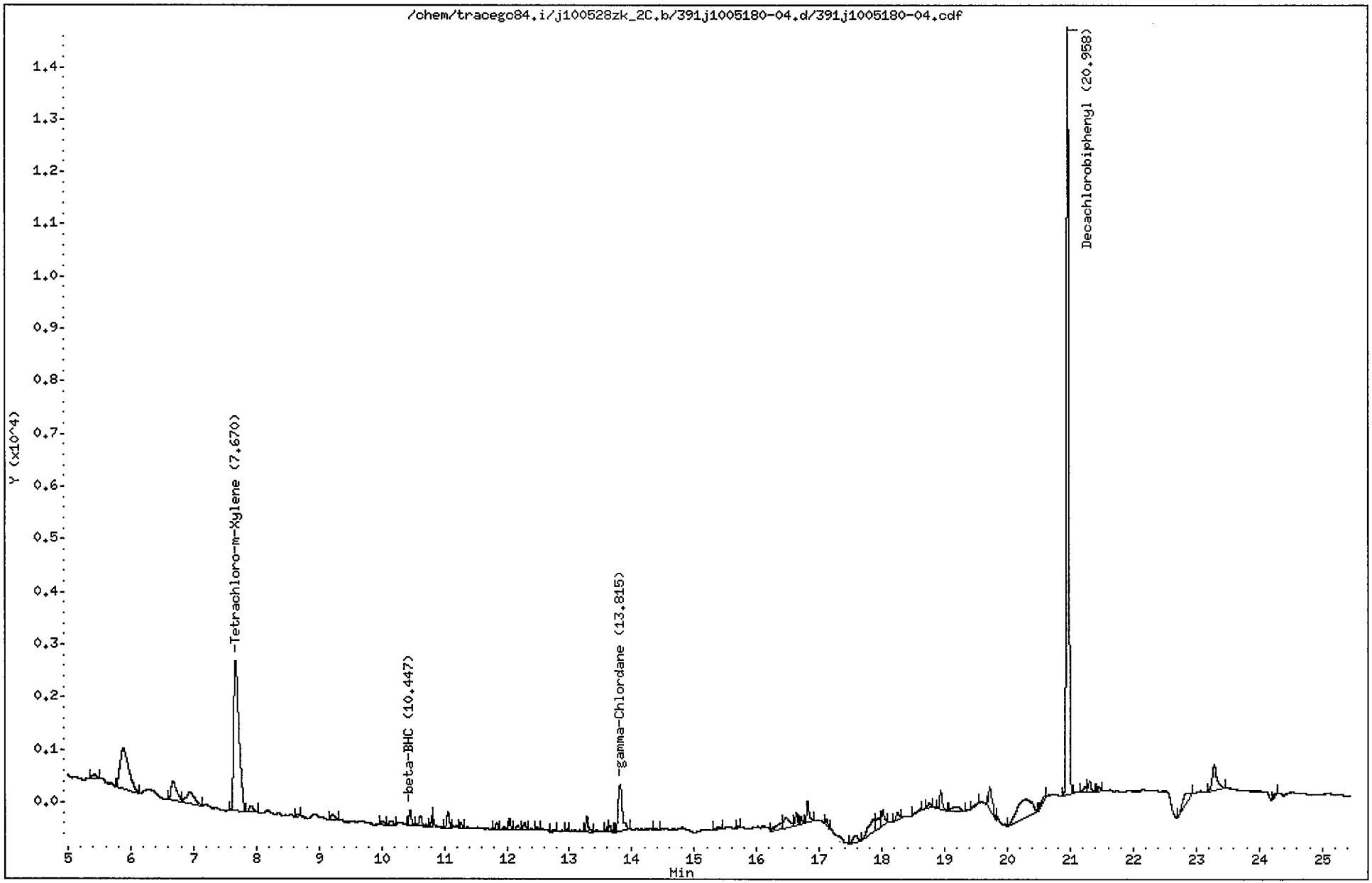
Sample Info: 1005180-04

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005180-04 Client Smp Id : SB35-2-3
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 10-JUN-2010 16:39 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zk_2C.b/8081A_clpest2v6.m
Misc. Info : SB35-2-3

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 11(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.49			10193901								
1.57			1668332								
1.79			38183708								
2.98			106681								
3.65			563								
4.13			9954								
5.42			334								
5.88			7584								
6.67			2203								
6.94			1959								
7.67	7.61	7.75	17003	416798	Tetrachloro-m-Xylene	0.040794	7.639399		68.0*	70 - 125	R
7.92			607								
8.66			113								
9.21			426								
10.00			226								
10.15			299								
10.45	10.41	10.55	835	248610	beta-BHC	0.003359	0.628965	1.910112			J
10.62			731								
10.80			287								
11.05			832								
11.26			242								
11.83			360								
11.96			198								
12.04			474								
12.17			224								
12.28			334								
12.48			134								
12.75			159								
12.97			97								
13.28			831								
13.61			148								
13.65			286								
13.82	13.71	13.85	4071	513150	gamma-Chlordane	0.007933	1.485647	1.910112			J
14.39			108								
15.39			195								
15.70			91								
16.39			718								

6/11/10

CompuChem

Lab Smp Id : 1005180-04 Client Smp Id : SB35-2-3
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 10-JUN-2010 16:39 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zk_2C.b/8081A_clpest2v6.m
Misc. Info : SB35-2-3

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 11(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
16.47		1268								
16.63		623								
16.70		285								
16.81		1144								
17.11		320								
17.57		679								
17.86		1883								
17.94		832								
18.01		995								
18.25		429								
18.60		179								
18.75		303								
18.93		1080								
19.21		899								
19.53		112								
19.72		1779								
20.29		5692								
20.60		298								
20.96	20.90 21.04	37480	406698	Decachlorobiphenyl	0.092157	17.25786		76.8	55 - 130	
21.23		354								
21.31		619								
21.46		257								
22.88		1574								
23.29		2532								
24.27		173								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB41-1-2

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Matrix: (soil/water) SOIL Lab Sample ID: 1005180-02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 18 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/01/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/10/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.1	U
319-85-7	beta-BHC	1.0	U
319-84-6	alpha-BHC	2.1	U
319-86-8	delta-BHC	0.41	J
58-89-9	gamma-BHC (Lindane)	2.1	U
72-54-8	4,4'-DDD	4.0	U
72-55-9	4,4'-DDE	4.0	U
50-29-3	4,4'-DDT	4.0	U
60-57-1	Dieldrin	4.0	U
959-98-8	Endosulfan I	2.1	U
33213-65-9	Endosulfan II	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
72-20-8	Endrin	4.0	U
7421-93-4	Endrin Aldehyde	4.0	U
76-44-8	Heptachlor	2.1	U
1024-57-3	Heptachlor Epoxide	2.1	U
72-43-5	Methoxychlor	21	U
8001-35-2	Toxaphene	100	U
53494-70-5	Endrin Ketone	4.0	U
5103-74-2	gamma-Chlordane	0.42	JP
5103-71-9	alpha-Chlordane	2.1	U

Data File: /chem/tracegc84.i/j100528zk.b/389j1005180-02.d

Date : 10-JUN-2010 15:41

Client ID: SB41-1-2

Instrument: tracegc84.i

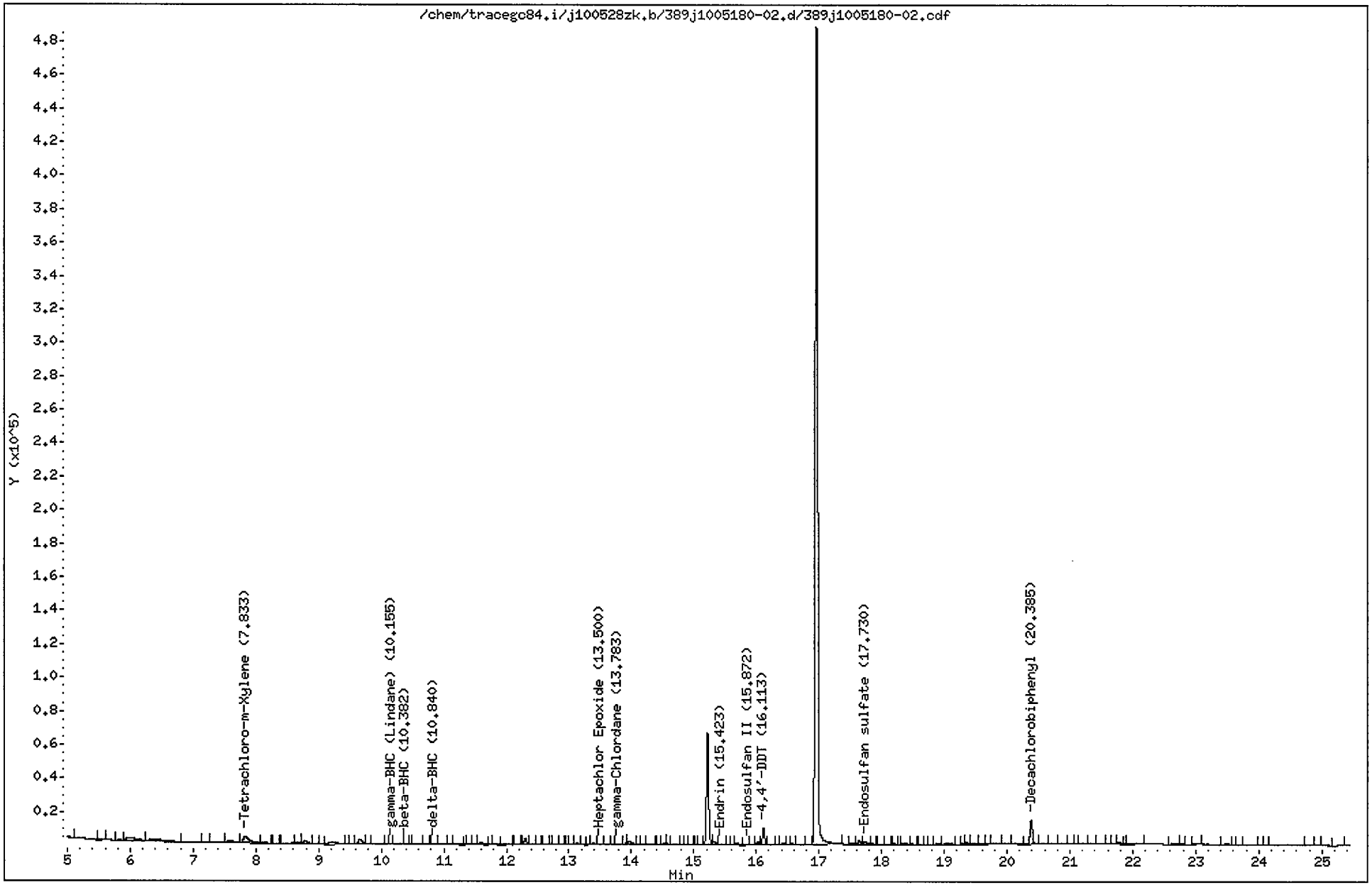
Sample Info: 1005180-02

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005180-02 Client Smp Id : SB41-1-2
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 10-JUN-2010 15:41 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zk.b/8081A_clpestv6.m
Misc. Info : SB41-1-2

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 18(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.42		20539792								
2.54		248295								
3.22		41384								
3.36		348468								
4.12		722								
4.56		9300								
4.69		48986								
5.59		254								
5.82		1753								
6.00		20906								
6.36		15489								
7.20		1263								
7.33		2933								
7.59		5314								
7.83	7.77 7.91	25204	522758	Tetrachloro-m-Xylene	0.048212	9.799115		80.4	70 - 125	
8.14		2929								
8.32		1219								
8.58		510								
8.67		1700								
8.78		8067								
8.96		1217								
9.25		13999								
9.47		2513								
9.54		3425								
9.66		14711								
9.78		2244								
9.92		6519								
10.09		1254								
10.16	10.11 10.25	1343	729192	gamma-BHC (Lindane)	0.001842	0.374342	2.073171			J
10.22		4511								
10.38	10.34 10.48	1312	300532	beta-BHC	0.004362	0.886638	1.037805			JM2
10.44		486								
10.56		1616								
10.71		788								
10.84	10.77 10.91	1379	689518	delta-BHC	0.002000	0.406494	2.073171			J
10.96		2203								
11.09		853								

6/11/10

CompuChem

Lab Smp Id : 1005180-02 Client Smp Id : SB41-1-2
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 10-JUN-2010 15:41 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zk.b/8081A_clpestv6.m
Misc. Info : SB41-1-2

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 18(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.20		1439								
11.35		143								
11.40		263								
11.52		636								
11.60		4725								
11.82		1881								
11.97		3070								
12.16		833								
12.30		9267								
12.39		898								
12.51		439								
12.66		253								
12.78		1098								
12.87		1592								
12.98		243								
13.04		1282								
13.13		2843								
13.22		575								
13.31		1439								
13.38		1724								
13.50	13.42 13.56	1629	593700	Heptachlor Epoxide	0.002744	0.557685	2.073171			J
13.59		707								
13.71		182								
13.78	13.70 13.84	1233	594875	gamma-Chlordane	0.002073	0.421281	2.073171			J
13.92		870								
13.97		5397								
14.18		528								
14.31		396								
14.45		432								
14.53		2727								
14.57		2925								
14.73		759								
14.82		311								
14.94		665								
15.04		174								
15.11		1077								
15.22		158666								

CompuChem

Lab Smp Id : 1005180-02 Client Smp Id : SB41-1-2
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 10-JUN-2010 15:41 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zk.b/8081A_clpestv6.m
Misc. Info : SB41-1-2

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 18(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
15.33		5798								
15.42	15.33 15.47	1908	463071	Endrin	0.004120	0.837463	4.024390			J
15.54		201								
15.63		145								
15.68		3976								
15.87	15.81 15.95	1176	450326	Endosulfan II	0.002611	0.530780	4.024390			J
15.92		606								
16.02		4496								
16.11	16.08 16.22	23010	454781	4,4'-DDT	0.050594	10.28324	4.024390			
16.20		684								
16.32		395								
16.43		2869								
16.50		645								
16.57		1323								
16.70		1369								
16.83		532								
16.96		1377099								
17.52		897								
17.64		5073								
17.73	17.65 17.79	4676	392055	Endosulfan sulfate	0.011924	2.423648	4.024390			J
17.85		1387								
18.00		556								
18.07		166								
18.21		1356								
18.30		132								
18.36		2236								
18.49		340								
18.61		162								
18.70		424								
18.89		2346								
19.04		3039								
19.31		1523								
19.36		4586								
19.47		4051								
19.59		2409								
19.71		1204								
19.82		1016								

CompuChem

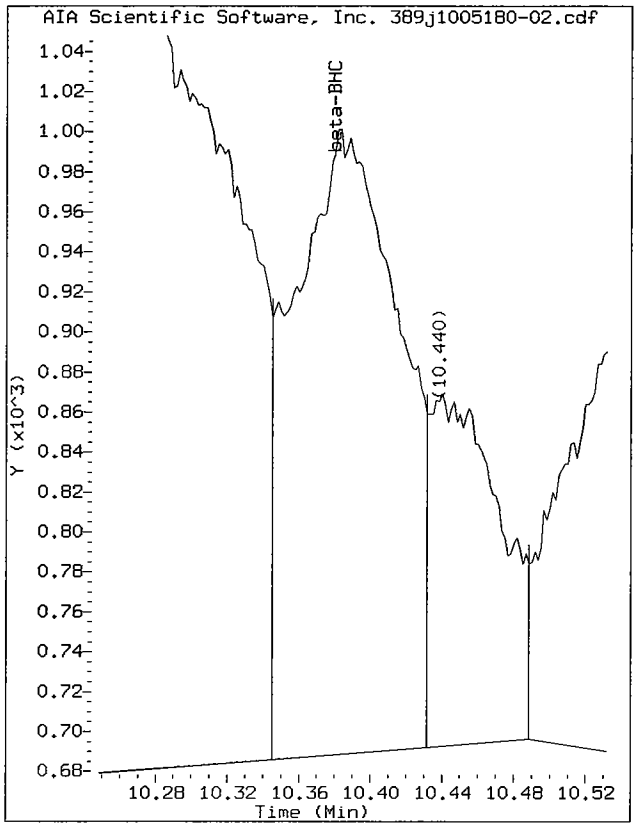
Lab Smp Id : 1005180-02 Client Smp Id : SB41-1-2
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 10-JUN-2010 15:41 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zk.b/8081A_clpestv6.m
Misc. Info : SB41-1-2

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 18(%)

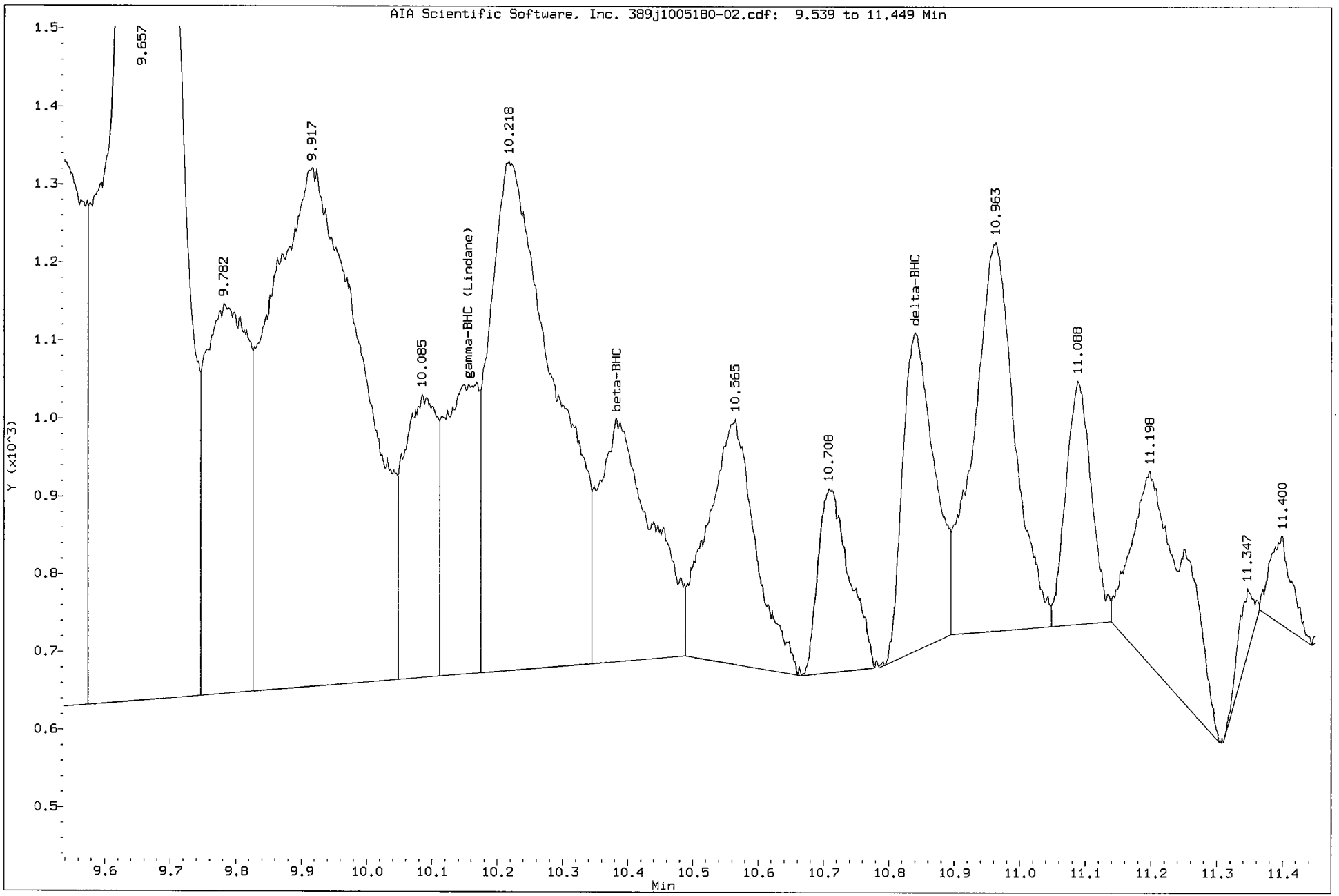
RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
20.13		2182								
20.38	20.33 20.47	38756	408350	Decachlorobiphenyl	0.094909	19.29040		79.1	55 - 130	
20.56		1178								
20.72		809								
20.87		1141								
20.99		253								
21.21		731								
21.33		1670								
21.50		674								
21.70		264								
21.79		4060								
21.99		3261								
22.72		1310								
22.77		1003								
23.00		643								
23.49		911								
23.68		317								
24.02		207								
24.13		224								
24.86		349								
25.05		2091								
25.34		906								

Manually Integrated Peaks



Start: 10.35 Stop: 10.43

Data File: /chem/tracegc84.i/j100528zk.b/389j1005180-02.d/389j1005180-02.cdf
Injection Date: 10-JUN-2010 15:41
Instrument: tracegc84.i
Client Sample ID: SB41-1-2



Data File: /chem/tracegc84.i/j100528zk_2C.b/389j1005180-02.d

Date : 10-JUN-2010 15:41

Client ID: SB41-1-2

Instrument: tracegc84.i

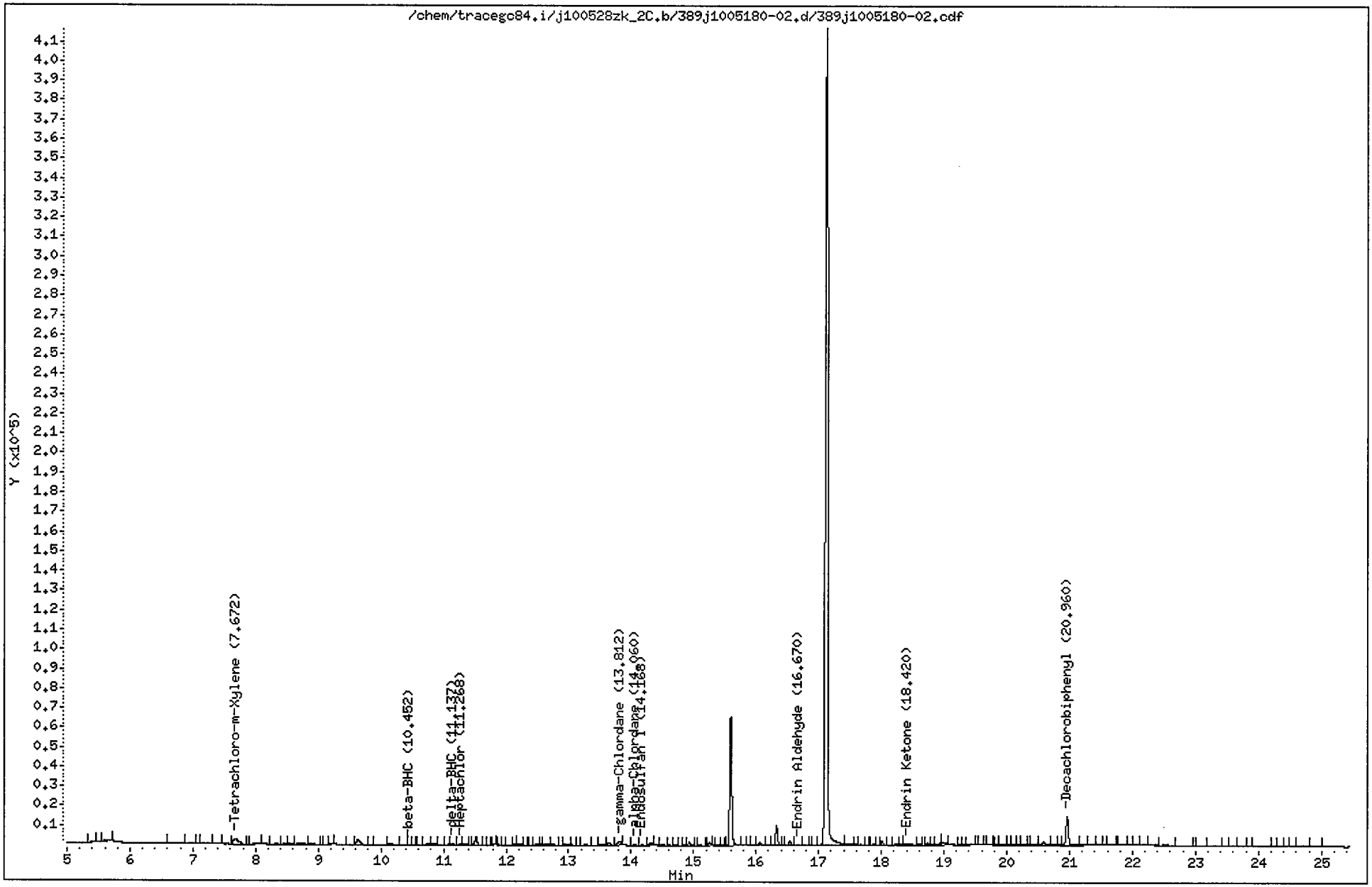
Sample Info: 1005180-02

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005180-02 Client Smp Id : SB41-1-2
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 10-JUN-2010 15:41 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zk_2C.b/8081A_clpest2v6.m
Misc. Info : SB41-1-2

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 18(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.51			9040630								
1.87			30500572								
2.09			11846209								
2.61			72703								
2.93			37308								
3.71			4859								
4.20			54016								
5.43			533								
5.65			3011								
6.74			2869								
6.92			800								
7.18			1207								
7.37			753								
7.67	7.61	7.75	16878	416798	Tetrachloro-m-Xylene	0.040494	8.230586		67.5*	70 - 125	R
8.00			1667								
8.34			1924								
8.46			1557								
8.55			1620								
8.72			3119								
8.89			1540								
9.13			130								
9.21			272								
9.53			871								
9.63			10346								
9.81			202								
10.01			910								
10.14			1849								
10.35			717								
10.45			462								
10.48			263								
10.62			194								
10.73			1284								
10.84			1375								
10.94			493								
11.08			736								
11.14	11.11	11.25	1159	551235	delta-BHC	0.002103	0.427348	2.073171			J
11.27	11.22	11.36	702	579497	Heptachlor	0.001211	0.246218	2.073171			J

CompuChem

Lab Smp Id : 1005180-02 Client Smp Id : SB41-1-2
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 10-JUN-2010 15:41 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zk_2C.b/8081A_clpest2v6.m
Misc. Info : SB41-1-2

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 18(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
11.34		872								
11.52		10155								
11.66		246								
11.72		242								
11.80		341								
11.88		201								
11.96		151								
12.04		385								
12.14		428								
12.21		1290								
12.31		269								
12.40		92								
12.48		1296								
12.56		250								
12.65		1507								
12.73		1803								
12.96		1514								
13.05		269								
13.28		2303								
13.43		561								
13.57		1144								
13.64		3737								
13.81	13.71 13.85	6449	513150	gamma-Chlordane	0.012566	2.553969	2.073171			
13.89		612								
14.06	14.04 14.18	1222	446248	alpha-Chlordane	0.002738	0.556583	2.073171			J
14.17	14.15 14.29	595	477982	Endosulfan I	0.001243	0.252586	2.073171			J
14.31		3292								
14.37		857								
14.50		870								
14.62		318								
14.71		620								
14.85		239								
14.93		4638								
15.12		532								
15.25		3002								
15.31		391								
15.39		342								

CompuChem

Lab Smp Id : 1005180-02 Client Smp Id : SB41-1-2
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 10-JUN-2010 15:41 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zk_2C.b/8081A_clpest2v6.m
Misc. Info : SB41-1-2

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 18(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
15.46		116								
15.59		147969								
15.87		150								
16.06		3478								
16.19		414								
16.32		22688								
16.43		478								
16.54		5896								
16.67	16.59 16.73	1284	316985	Endrin Aldehyde	0.004051	0.823306	4.024390			J
16.82		1011								
16.87		434								
16.97		1029								
17.12		1162328								
17.45		3612								
17.60		981								
17.67		687								
17.76		281								
17.88		1102								
17.94		254								
18.01		4814								
18.13		210								
18.24		1395								
18.31		1416								
18.42	18.30 18.44	4794	419519	Endrin Ketone	0.011427	2.322638	4.024390			J
18.60		826								
18.67		92								
18.73		2021								
18.82		286								
18.94		2579								
19.02		5690								
19.11		1965								
19.24		147								
19.32		207								
19.44		1667								
19.57		126								
19.72		600								
19.85		806								

CompuChem

Lab Smp Id : 1005180-02 Client Smp Id : SB41-1-2
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 10-JUN-2010 15:41 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zk_2C.b/8081A_clpest2v6.m
Misc. Info : SB41-1-2

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 18(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
19.96		2559								
20.04		1306								
20.12		1367								
20.18		1227								
20.26		2430								
20.36		844								
20.42		2896								
20.59		6239								
20.74		2082								
20.84		1248								
20.96	20.90 21.04	39887	406698	Decachlorobiphenyl	0.098073	19.93351		81.7	55 - 130	
21.26		1858								
21.31		1909								
21.47		691								
21.54		377								
21.63		1174								
21.83		404								
22.05		107								
22.34		2040								
22.52		1767								
22.86		1664								
23.09		503								
23.45		172								
23.57		188								
23.85		129								
24.26		173								
24.45		397								
24.53		420								
24.94		765								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS35-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Matrix: (soil/water) SOIL Lab Sample ID: 1005180-03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 5 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/01/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/10/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.8	U
319-85-7	beta-BHC	0.90	U
319-84-6	alpha-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
72-54-8	4,4'-DDD	3.5	U
72-55-9	4,4'-DDE	3.5	U
50-29-3	4,4'-DDT	3.5	U
60-57-1	Dieldrin	3.5	U
959-98-8	Endosulfan I	0.20	J
33213-65-9	Endosulfan II	3.5	U
1031-07-8	Endosulfan sulfate	0.41	JP
72-20-8	Endrin	3.5	U
7421-93-4	Endrin Aldehyde	0.36	JP
76-44-8	Heptachlor	1.8	U
1024-57-3	Heptachlor Epoxide	1.8	U
72-43-5	Methoxychlor	18	U
8001-35-2	Toxaphene	87	U
53494-70-5	Endrin Ketone	3.5	U
5103-74-2	gamma-Chlordane	1.8	U
5103-71-9	alpha-Chlordane	1.8	U

Data File: /chem/tracegc84.i/j100528zk.b/390j1005180-03.d

Page 1

Date : 10-JUN-2010 16:10

Client ID: SS35-0-1

Instrument: tracegc84.i

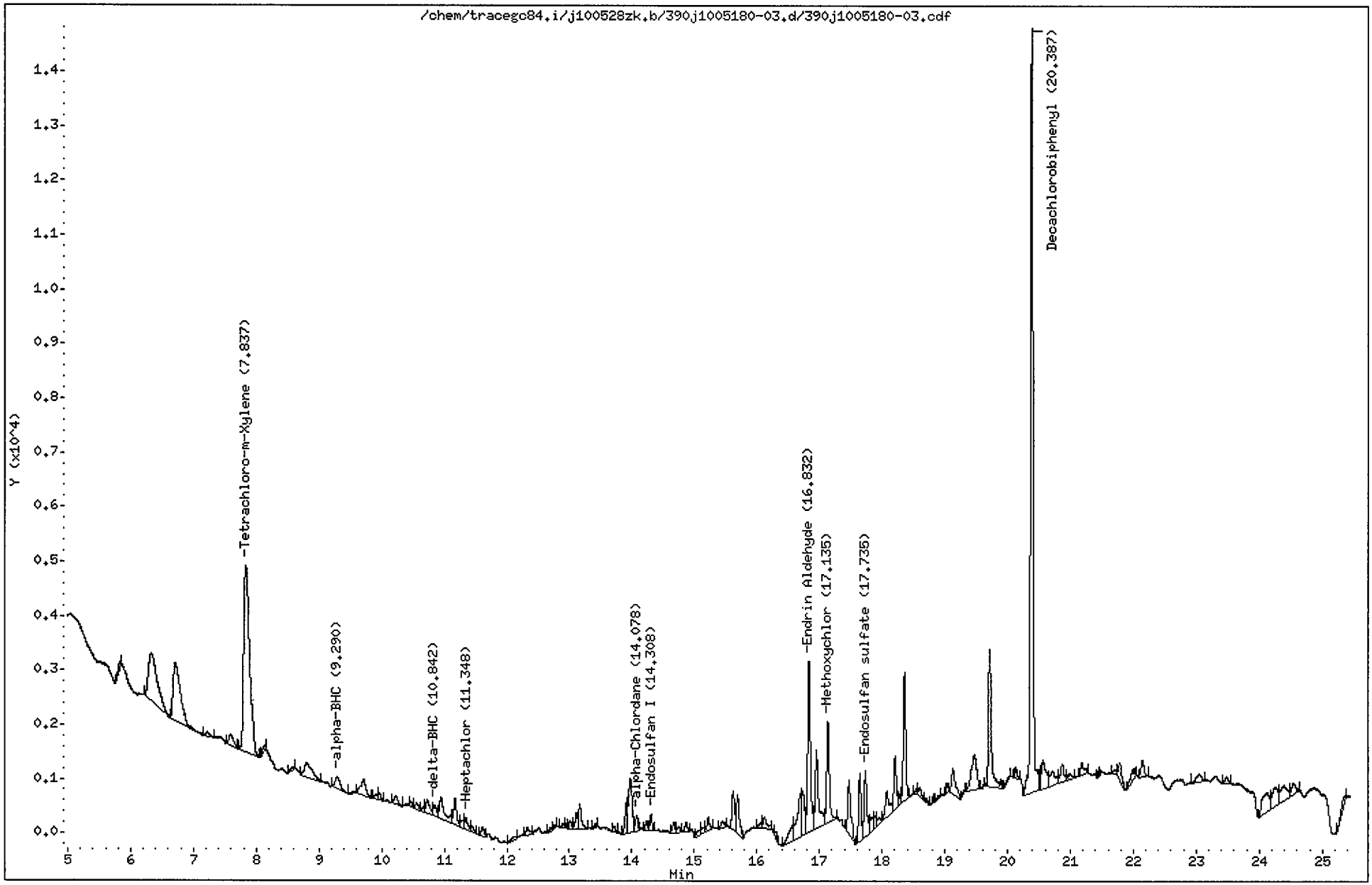
Sample Info: 1005180-03

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005180-03 Client Smp Id : SS35-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 10-JUN-2010 16:10 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zk.b/8081A_clpestv6.m
Misc. Info : SS35-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 5(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.42			17733298								
2.91			249								
3.21			14573								
3.38			71909								
4.14			4523								
4.42			201								
4.56			18040								
5.83			309								
6.33			8788								
6.71			8804								
7.21			480								
7.59			1013								
7.84	7.77	7.91	22239	522758	Tetrachloro-m-Xylene	0.042542	7.463459		70.9	70 - 125	
8.13			195								
8.59			207								
8.80			2179								
9.29	9.29	9.43	1193	775960	alpha-BHC	0.001536	0.269502	1.789474			J
9.71			1882								
9.90			299								
9.96			382								
10.23			617								
10.46			230								
10.56			367								
10.66			225								
10.73			1004								
10.84	10.77	10.91	859	689518	delta-BHC	0.001246	0.218561	1.789474			J
10.95			2283								
11.17			1759								
11.29			513								
11.35	11.29	11.43	752	695465	Heptachlor	0.001080	0.189448	1.789474			J
11.45			367								
11.61			552								
12.13			326								
12.33			517								
12.70			170								
12.77			150								
12.90			225								

6/11/10

CompuChem

Lab Smp Id : 1005180-03 Client Smp Id : SS35-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 10-JUN-2010 16:10 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zk.b/8081A_clpestv6.m
Misc. Info : SS35-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 5(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.94		129								
13.01		384								
13.11		810								
13.16		1502								
13.41		168								
13.71		296								
13.91		1388								
13.98		4131								
14.08	14.00 14.14	784	516712	alpha-Chlordane	0.001515	0.265851	1.789474			J
14.24		438								
14.31	14.29 14.43	690	548162	Endosulfan I	0.001259	0.220833	1.789474			J
14.67		559								
14.75		350								
14.87		496								
15.08		301								
15.14		398								
15.22		693								
15.45		468								
15.62		2170								
15.69		2454								
16.07		387								
16.13		897								
16.30		258								
16.58		1467								
16.69		3481								
16.73		2920								
16.83	16.71 16.85	9669	348470	Endrin Aldehyde	0.027747	4.867896	3.473684			
16.95		5242								
17.14	17.11 17.25	5672	194359	Methoxychlor	0.029178	5.118941	17.89474			J
17.47		3477								
17.64		3294								
17.74	17.65 17.79	3708	392055	Endosulfan sulfate	0.009455	1.658826	3.473684			J
17.84		833								
17.88		679								
17.95		441								
18.08		2132								
18.21		2944								

CompuChem

Lab Smp Id : 1005180-03 Client Smp Id : SS35-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 10-JUN-2010 16:10 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zk.b/8081A_clpestv6.m
Misc. Info : SS35-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 5(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
18.30		497								
18.36		6249								
18.55		248								
18.60		448								
18.71		214								
18.81		157								
18.91		132								
19.03		393								
19.14		2066								
19.32		220								
19.48		3936								
19.72		8263								
20.04		237								
20.14		470								
20.39	20.33 20.47	39236	408350	Decachlorobiphenyl	0.096084	16.85688		80.1	55 - 130	
20.53		394								
20.56		2708								
20.72		1529								
20.87		1398								
20.99		444								
21.18		922								
21.43		122								
21.71		205								
21.79		1087								
22.00		1069								
22.14		1077								
23.04		785								
23.48		442								
24.11		2998								
24.26		2455								
24.39		2021								
24.55		969								
25.36		759								

Data File: /chem/tracegc84.i/j100528zk_2C.b/390j1005180-03.d

Date : 10-JUN-2010 16:10

Client ID: SS35-0-1

Instrument: tracegc84.i

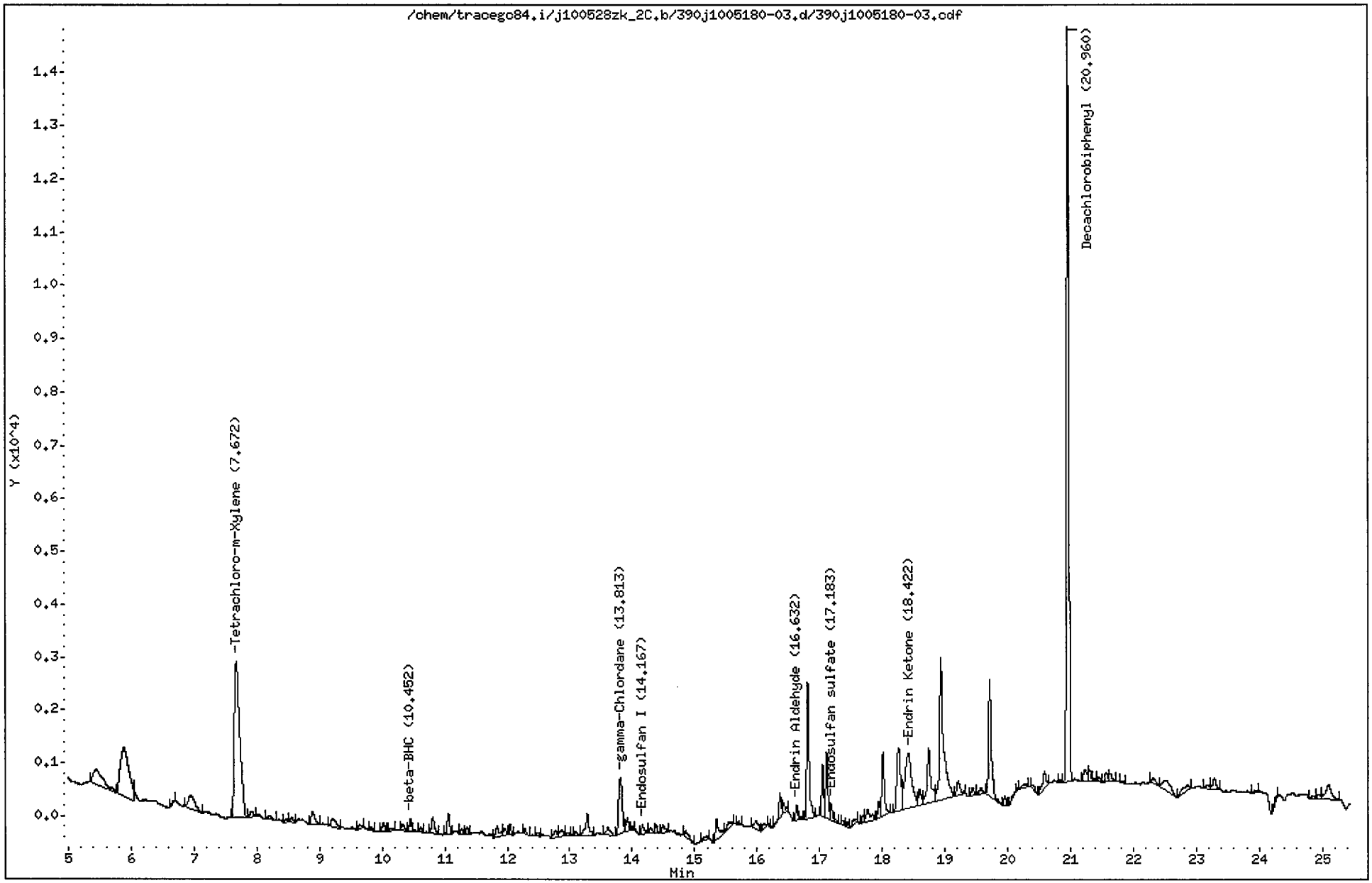
Sample Info: 1005180-03

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005180-03 Client Smp Id : SS35-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 10-JUN-2010 16:10 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zk_2C.b/8081A_clpest2v6.m
Misc. Info : SS35-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 5(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.50			10924564								
1.87			40613712								
2.96			241782								
3.70			9704								
3.82			17207								
4.15			19723								
4.80			325								
5.44			3070								
5.88			8806								
6.67			119								
6.95			1783								
7.67	7.61	7.75	17788	416798	Tetrachloro-m-Xylene	0.042675	7.486912		71.1	70 - 125	
7.91			367								
8.20			311								
8.47			173								
8.55			240								
8.88			994								
9.21			763								
9.63			245								
9.83			168								
10.02			485								
10.14			188								
10.32			371								
10.45	10.41	10.55	544	248610	beta-BHC	0.002184	0.383183	1.789474			J
10.62			254								
10.81			1006								
11.06			1068								
11.27			207								
11.36			327								
11.84			773								
11.96			411								
12.04			402								
12.28			289								
12.48			197								
12.77			482								
12.87			559								
12.96			179								

CompuChem

Lab Smp Id : 1005180-03 Client Smp Id : SS35-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 10-JUN-2010 16:10 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zk_2C.b/8081A_clpest2v6.m
Misc. Info : SS35-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 5(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
13.09		215								
13.28		1641								
13.61		716								
13.81	13.71 13.85	4106	513150	gamma-Chlordane	0.008002	1.403782	1.789474			J
13.92		658								
14.00		117								
14.17	14.15 14.29	537	477982	Endosulfan I	0.001123	0.197100	1.789474			J
14.29		331								
14.39		303								
14.49		396								
14.86		510								
15.18		278								
15.35		1530								
15.54		557								
15.70		140								
15.97		798								
16.11		358								
16.19		105								
16.36		1052								
16.43		552								
16.63	16.59 16.73	645	316985	Endrin Aldehyde	0.002032	0.356428	3.473684			JM 2
16.71		149								
16.81		7015								
17.05		2294								
17.11		3092								
17.18	17.17 17.31	855	366674	Endosulfan sulfate	0.002329	0.408605	3.473684			JM 2
17.25		107								
17.36		191								
17.44		159								
17.55		411								
17.69		374								
17.77		1130								
17.95		683								
18.01		3274								
18.27		5324								
18.42	18.30 18.44	7744	419519	Endrin Ketone	0.018457	3.238046	3.473684			J
18.60		972								

6/11/10

CompuChem

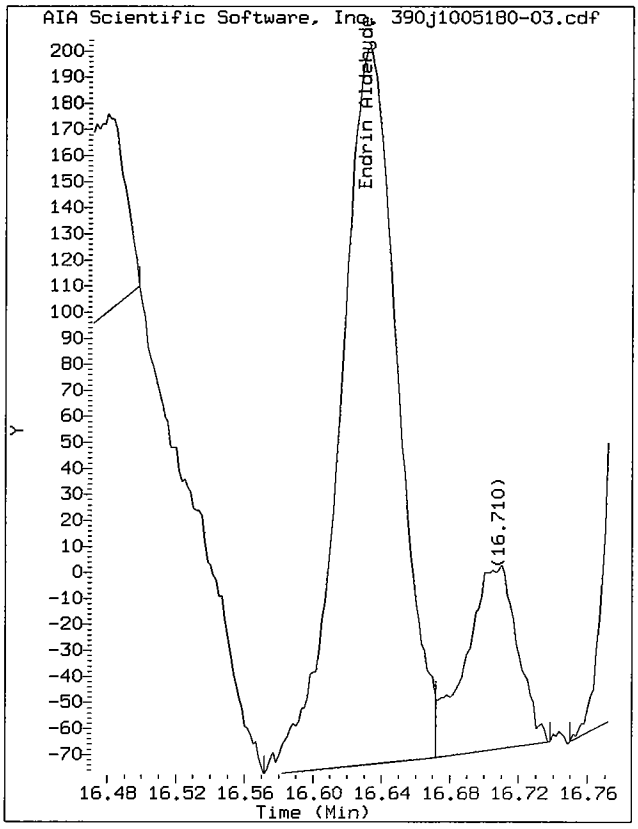
Lab Smp Id : 1005180-03 Client Smp Id : SS35-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 10-JUN-2010 16:10 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zk_2C.b/8081A_clpest2v6.m
Misc. Info : SS35-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 5(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
18.74		4440								
18.93		12093								
19.21		991								
19.44		444								
19.58		552								
19.72		6823								
19.96		435								
20.12		176								
20.27		354								
20.40		299								
20.59		1124								
20.84		125								
20.96	20.90 21.04	35877	406698	Decachlorobiphenyl	0.088215	15.47639		73.5	55 - 130	
21.23		805								
21.31		521								
21.38		149								
21.46		207								
21.57		446								
21.63		398								
21.83		114								
22.32		369								
22.51		1738								
22.86		864								
23.16		297								
23.29		699								
23.93		94								
24.28		291								
24.85		190								
24.95		334								
25.10		1845								

Manually Integrated Peaks



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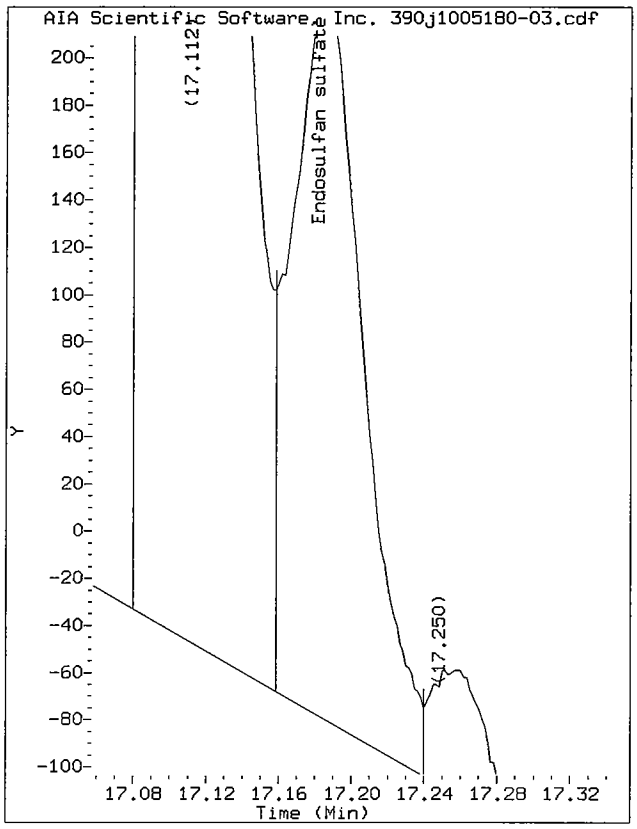

Start: 17.16 Stop: 17.24

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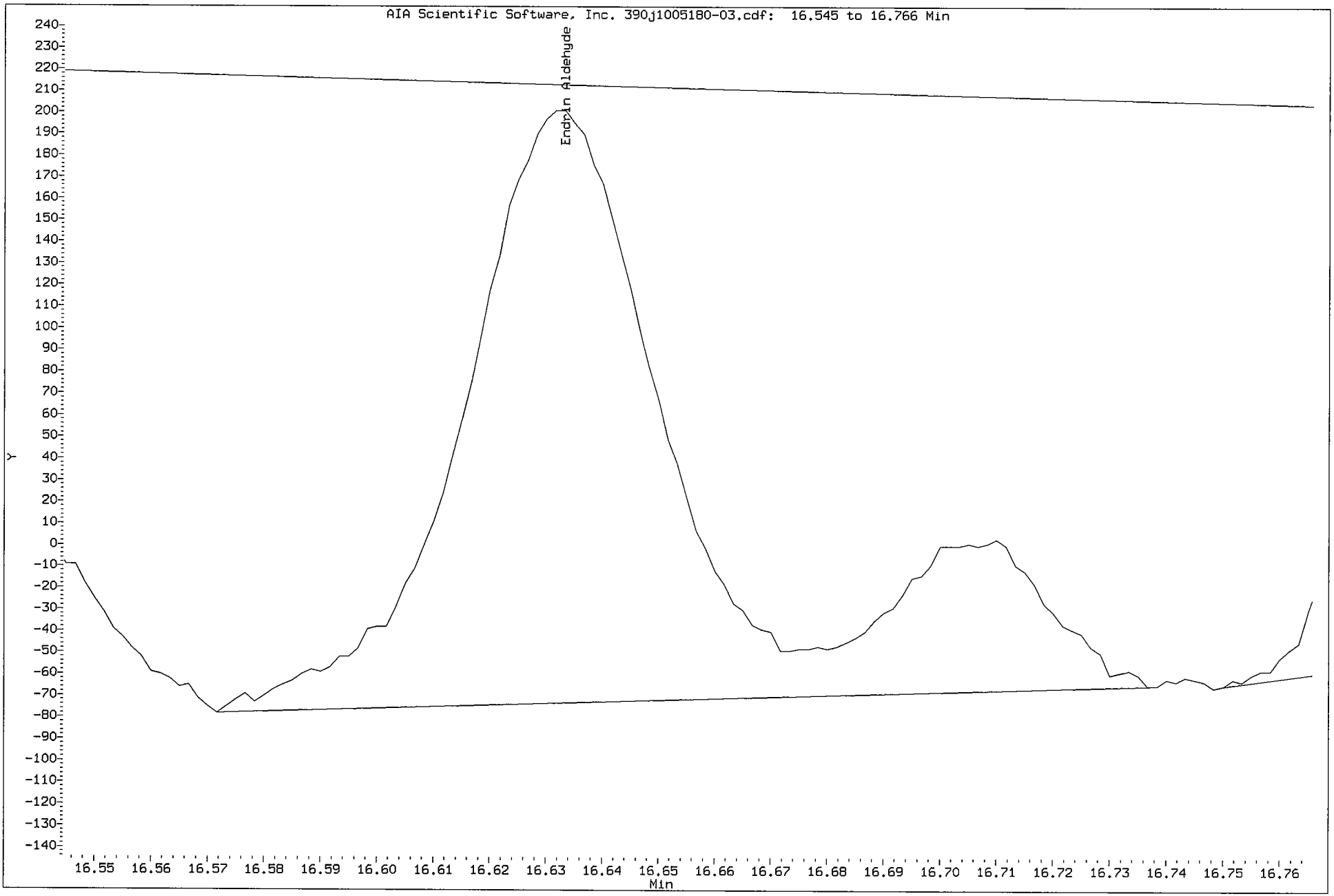
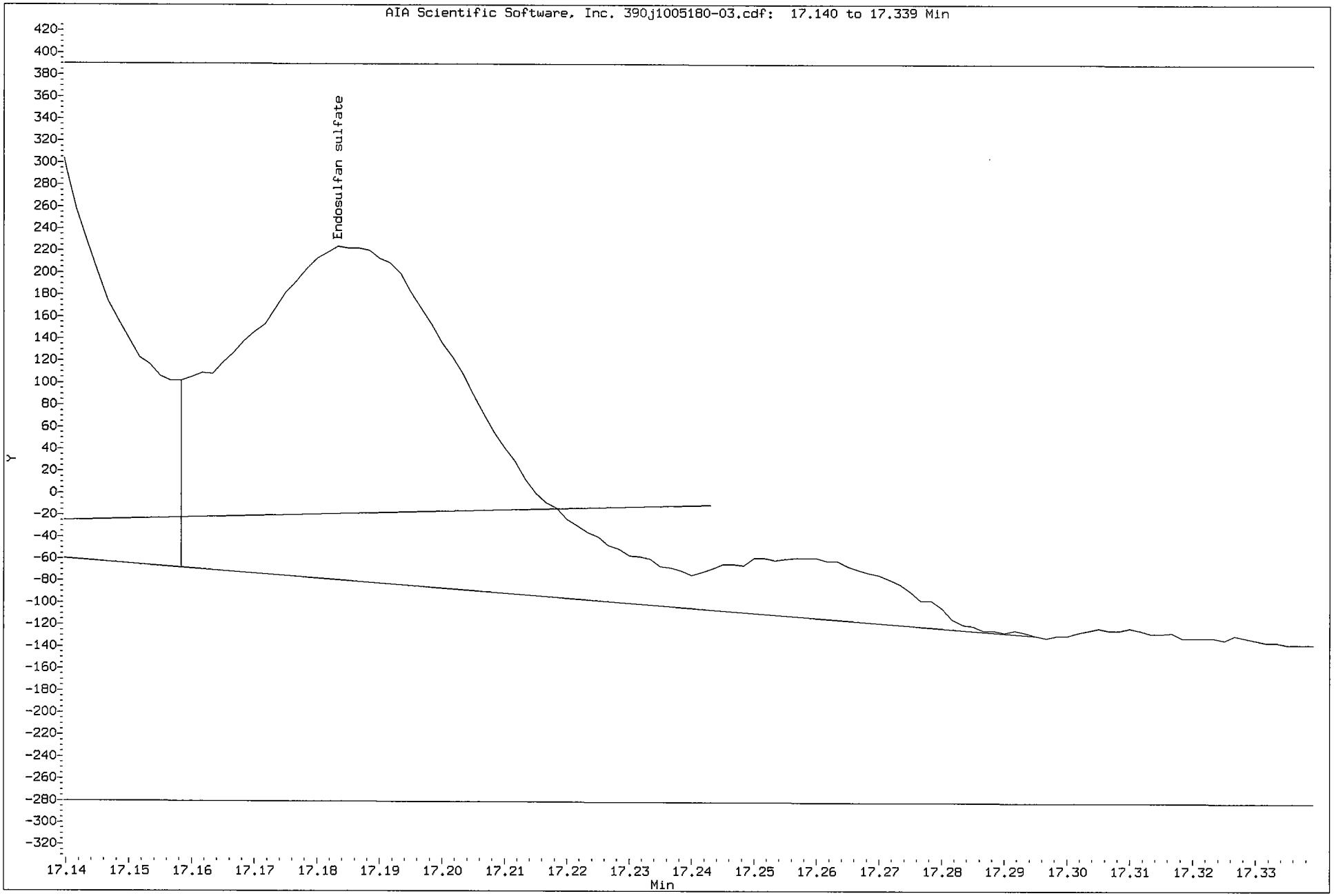
Injection Date: 10-JUN-2010 16:10
Instrument: tracegc84.i
Client Sample ID: SS35-0-1



Data File: /chem/tracegc84.i/j100528zk_2C.b/390j1005180-03.d/390j1005180-03.cdf
Injection Date: 10-JUN-2010 16:10
Instrument: tracegc84.i
Client Sample ID: SS35-0-1



1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS41-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Matrix: (soil/water) SOIL Lab Sample ID: 1005180-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 8 decanted: (Y/N) N Date Received: 05/21/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/01/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/10/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.8	U
319-85-7	beta-BHC	0.93	U
319-84-6	alpha-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
72-54-8	4,4'-DDD	3.6	U
72-55-9	4,4'-DDE	3.6	U
50-29-3	4,4'-DDT	3.6	U
60-57-1	Dieldrin	3.6	U
959-98-8	Endosulfan I	1.8	U
33213-65-9	Endosulfan II	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
72-20-8	Endrin	3.6	U
7421-93-4	Endrin Aldehyde	3.6	U
76-44-8	Heptachlor	1.8	U
1024-57-3	Heptachlor Epoxide	1.8	U
72-43-5	Methoxychlor	18	U
8001-35-2	Toxaphene	90	U
53494-70-5	Endrin Ketone	3.6	U
5103-74-2	gamma-Chlordane	1.8	U
5103-71-9	alpha-Chlordane	1.8	U

Data File: /chem/tracegc84.i/j100528zk.b/388j1005180-01.d

Page 1

Date : 10-JUN-2010 15:12

Client ID: SS41-0-1

Instrument: tracegc84.i

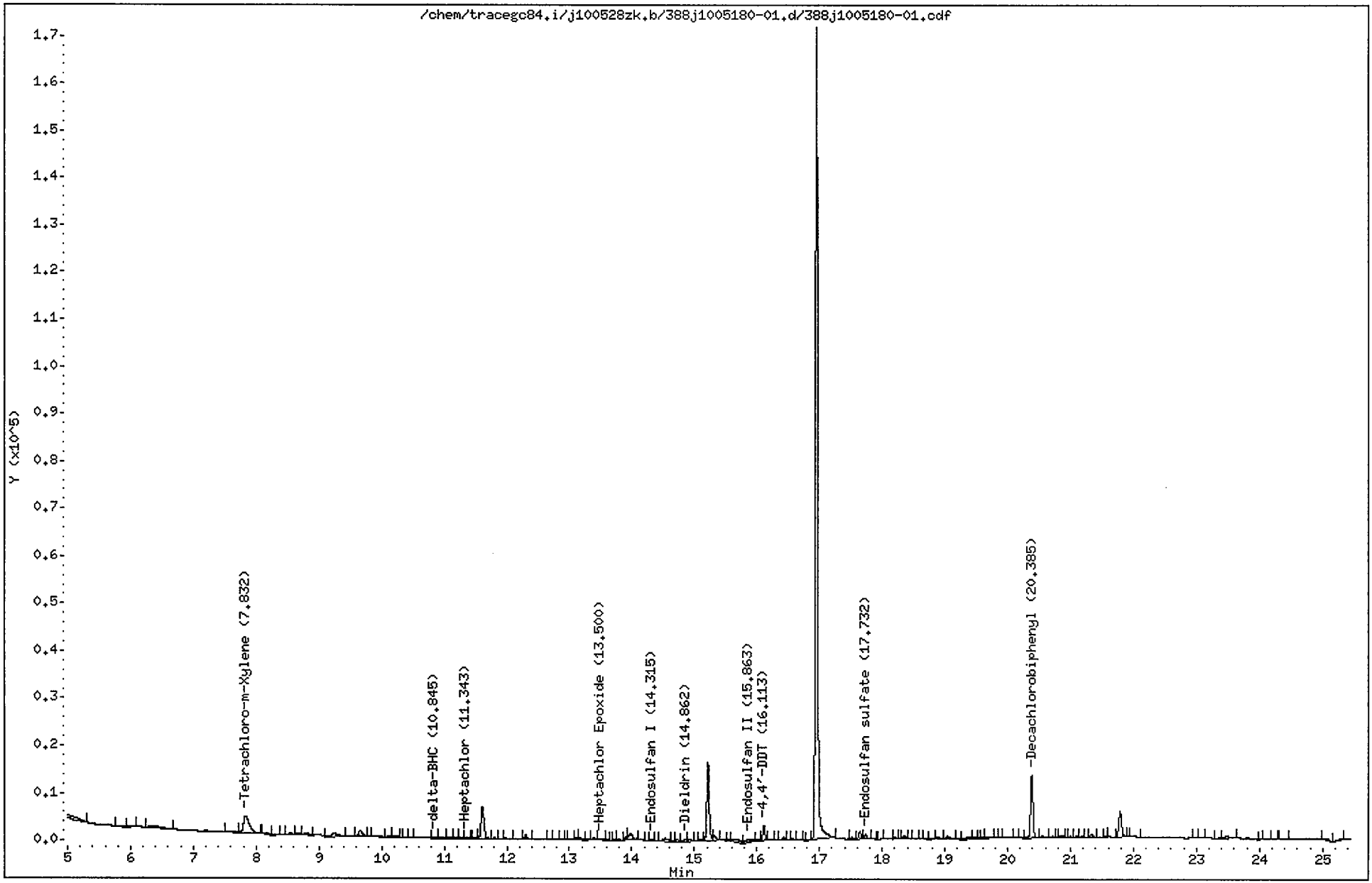
Sample Info: 1005180-01

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005180-01 Client Smp Id : SS41-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 10-JUN-2010 15:12 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zk.b/8081A_clpestv6.m
Misc. Info : SS41-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 8(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.42		19019273								
2.53		154128								
3.22		15921								
3.38		150860								
4.13		5046								
4.57		5804								
4.69		36982								
5.83		1144								
6.03		826								
6.34		5061								
7.59		1227								
7.83	7.77 7.91	22776	522758	Tetrachloro-m-Xylene	0.043569	7.892927		72.6	70 - 125	
8.14		1934								
8.32		622								
8.43		154								
8.54		880								
8.66		838								
8.80		1895								
9.24		4669								
9.66		4569								
9.87		1424								
10.15		338								
10.22		720								
10.38		220								
10.46		159								
10.84	10.77 10.91	885	689518	delta-BHC	0.001282	0.232257	1.847826			J
10.95		1179								
11.10		1219								
11.17		949								
11.27		487								
11.34	11.29 11.43	894	695465	Heptachlor	0.001284	0.232615	1.847826			J
11.49		663								
11.61		22028								
11.80		466								
11.98		718								
12.30		2176								
12.69		356								

6/11/10

CompuChem

Lab Smp Id : 1005180-01 Client Smp Id : SS41-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 10-JUN-2010 15:12 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zk.b/8081A_clpestv6.m
Misc. Info : SS41-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 8(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.76		499								
12.87		285								
13.03		586								
13.12		1090								
13.16		1591								
13.31		776								
13.38		1225								
13.50	13.42 13.56	1307	593700	Heptachlor Epoxide	0.002200	0.398508	1.847826			J
13.59		249								
13.72		189								
13.79		409								
13.91		1413								
13.98		5980								
14.24		424								
14.32	14.29 14.43	973	548162	Endosulfan I	0.001775	0.321562	1.847826			JM 2
14.40		466								
14.53		3561								
14.66		1204								
14.73		1402								
14.86	14.82 14.96	1777	515556	Dieldrin	0.003445	0.624062	3.586957			J
14.93		1664								
15.06		286								
15.11		697								
15.22		42231								
15.32		2660								
15.54		629								
15.68		5186								
15.86	15.81 15.95	4908	450326	Endosulfan II	0.010899	1.974414	3.586957			J
16.02		1219								
16.11	16.08 16.22	7377	454781	4,4'-DDT	0.016219	2.938186	3.586957			J
16.32		231								
16.43		1320								
16.50		234								
16.57		599								
16.66		350								
16.82		528								
16.95		416942								

KEH 6/11/10

CompuChem

Lab Smp Id : 1005180-01 Client Smp Id : SS41-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 10-JUN-2010 15:12 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zk.b/8081A_clpestv6.m
Misc. Info : SS41-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 8(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
17.52		1073								
17.65		4330								
17.73	17.65 17.79	2954	392055	Endosulfan sulfate	0.007532	1.364512	3.586957			J
17.84		770								
18.00		329								
18.07		698								
18.20		1153								
18.29		202								
18.36		1609								
18.44		132								
18.50		328								
18.62		149								
18.70		261								
18.82		306								
18.89		1078								
19.04		1935								
19.36		2791								
19.47		1368								
19.55		385								
19.60		721								
19.71		1167								
19.88		148								
20.00		627								
20.13		144								
20.38	20.33 20.47	36677	408350	Decachlorobiphenyl	0.089815	16.27085		74.8	55 - 130	
20.56		1213								
20.72		518								
20.87		940								
20.99		293								
21.10		321								
21.18		161								
21.33		1371								
21.50		187								
21.59		441								
21.79		16778								
21.99		1082								
23.00		352								

CompuChem

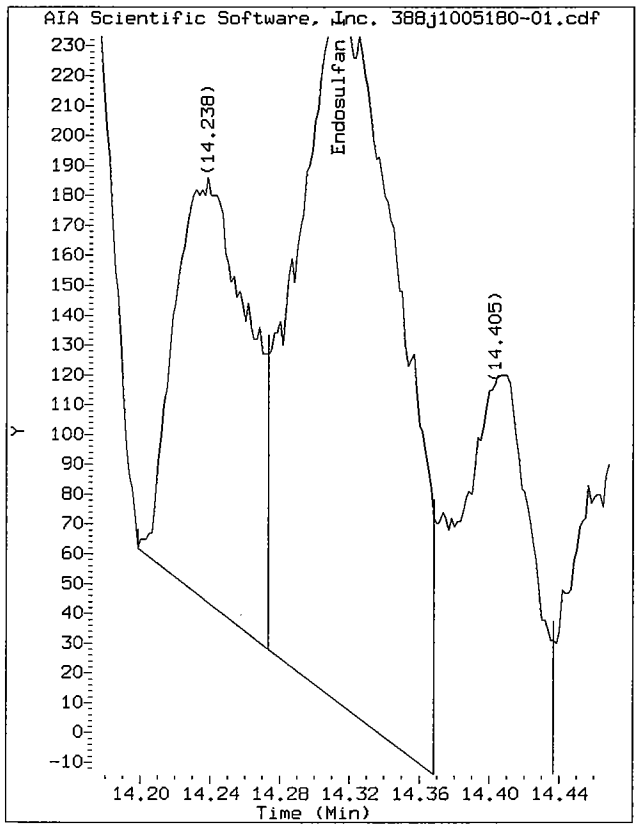
Lab Smp Id : 1005180-01 Client Smp Id : SS41-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 10-JUN-2010 15:12 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zk.b/8081A_clpestv6.m
Misc. Info : SS41-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 8(%)

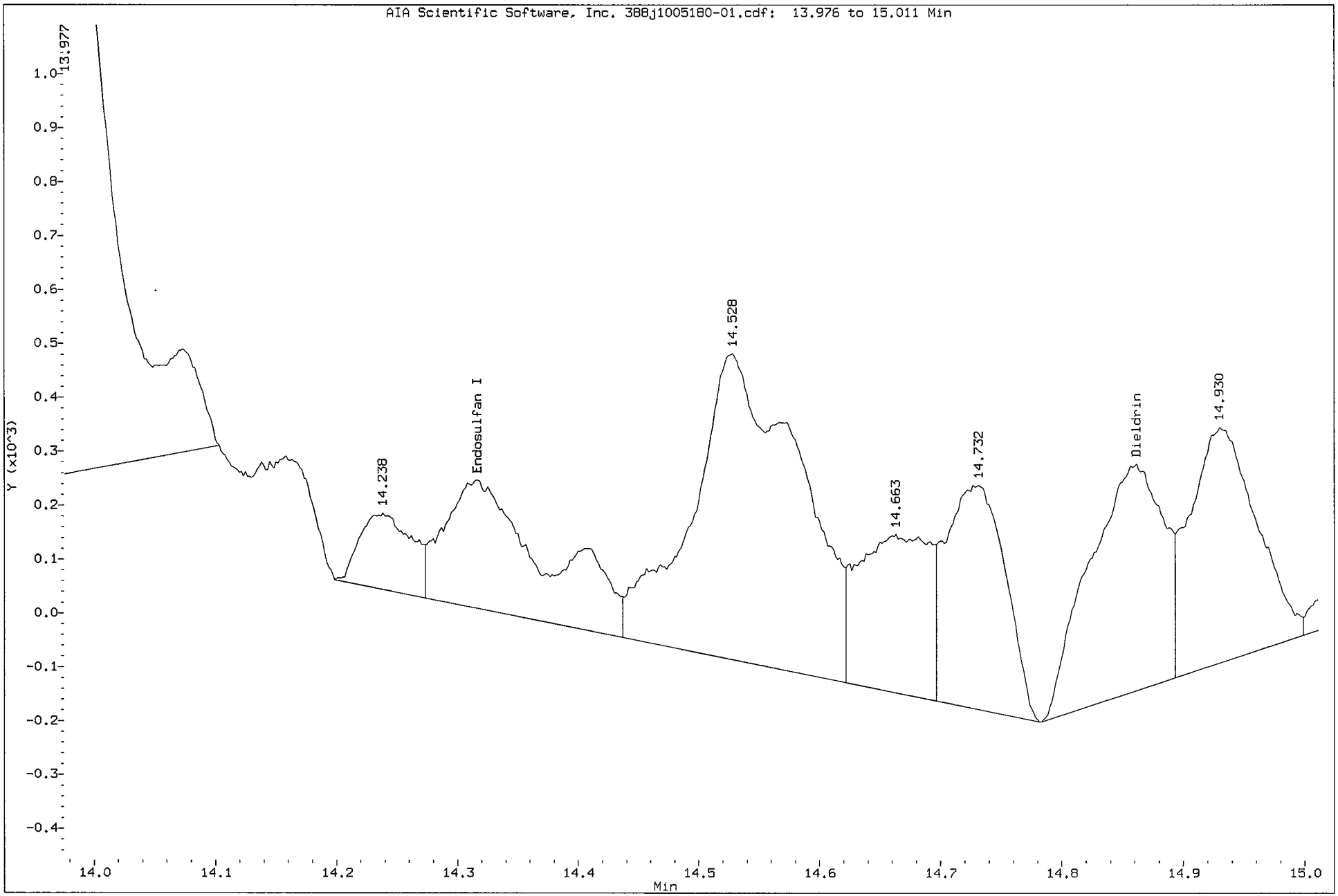
RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
23.05		803								
23.38		574								
23.49		2668								
24.03		164								
24.24		178								
24.39		430								
25.06		1845								
25.33		970								

Manually Integrated Peaks



Start: 14.27 Stop: 14.37

Data File: /chem/tracegc84.i/j100528zk.b/388j1005180-01.d/388j1005180-01.cdf
Injection Date: 10-JUN-2010 15:12
Instrument: tracegc84.i
Client Sample ID: SS41-0-1



Data File: /chem/tracegc84.i/j100528zk_2C.b/388j1005180-01.d

Date : 10-JUN-2010 15:12

Client ID: SS41-0-1

Instrument: tracegc84.i

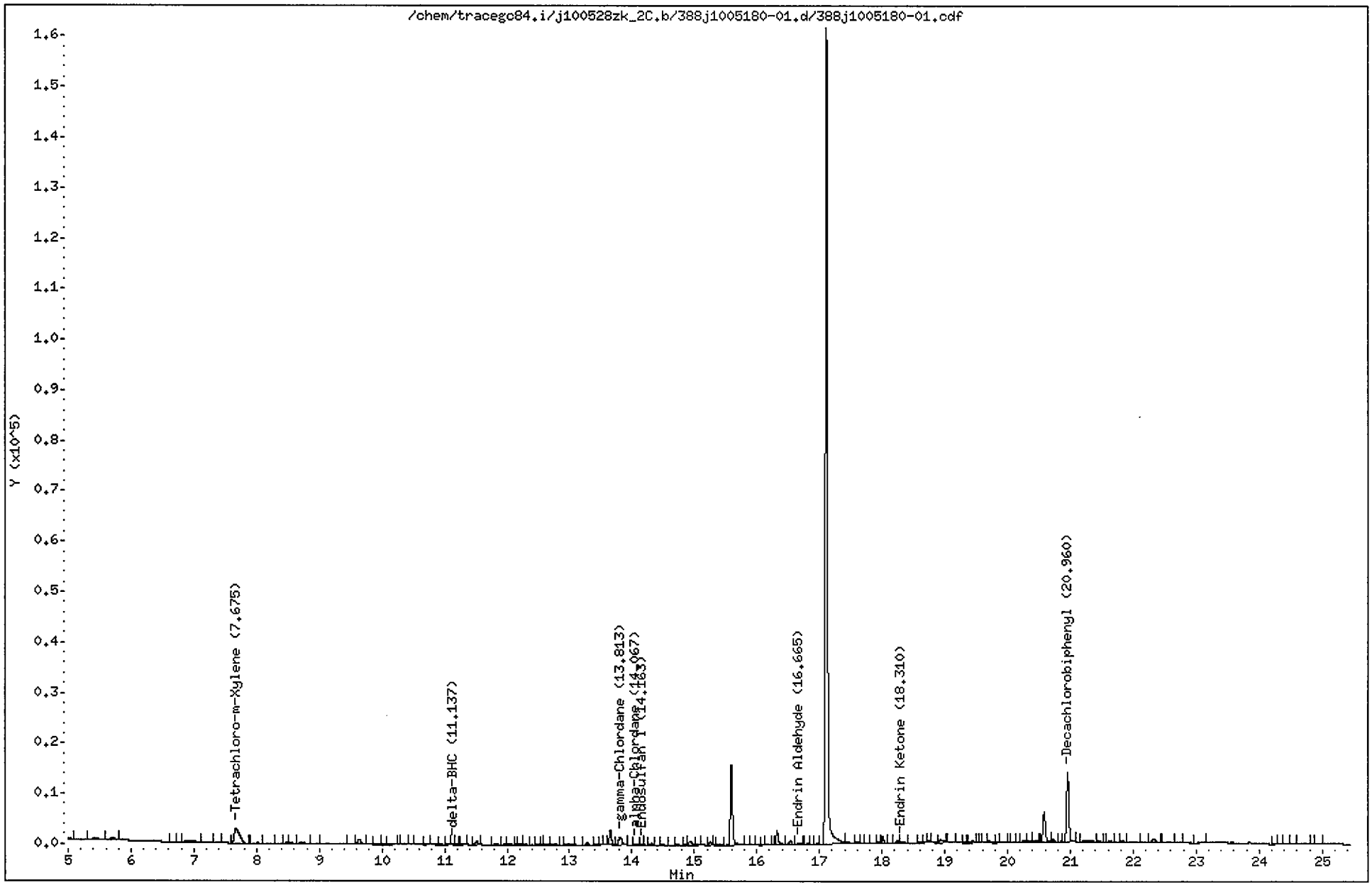
Sample Info: 1005180-01

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005180-01 Client Smp Id : SS41-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 10-JUN-2010 15:12 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zk_2C.b/8081A_clpest2v6.m
Misc. Info : SS41-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 8(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.51			10024280								
1.89			29595575								
2.12			12229527								
2.61			268623								
2.94			381284								
4.21			35650								
4.83			783								
5.44			2039								
5.69			1172								
6.66			153								
6.94			2467								
7.18			632								
7.37			477								
7.68	7.61	7.75	18024	416798	Tetrachloro-m-Xylene	0.043242	7.833627		72.1	70 - 125	
8.02			530								
8.37			219								
8.55			491								
8.71			1641								
8.90			245								
9.53			564								
9.63			3621								
9.92			819								
10.01			502								
10.16			455								
10.35			578								
10.45			232								
10.73			368								
10.83			721								
10.93			240								
11.07			429								
11.14			415								
11.17			302								
11.28			407								
11.52			1841								
11.84			723								
11.96			205								
12.04			451								

CompuChem

Lab Smp Id : 1005180-01 Client Smp Id : SS41-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 10-JUN-2010 15:12 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zk_2C.b/8081A_clpest2v6.m
Misc. Info : SS41-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 8(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
12.14		98								
12.22		494								
12.28		582								
12.48		568								
12.64		594								
12.73		634								
12.96		646								
13.28		1388								
13.42		213								
13.57		101								
13.65		7289								
13.81	13.71 13.85	5893	513150	gamma-Chlordane	0.011482	2.080077	1.847826			
14.07	14.04 14.18	515	446248	alpha-Chlordane	0.001154	0.209070	1.847826			J
14.16		344								
14.20		242								
14.31		1138								
14.40		249								
14.50		545								
14.61		148								
14.73		411								
14.86		94								
14.93		2366								
15.04		279								
15.25		1351								
15.38		433								
15.59		37673								
15.92		154								
16.11		269								
16.19		406								
16.32		7161								
16.54		2564								
16.66	16.59 16.73	940	316985	Endrin Aldehyde	0.002965	0.537217	3.586957			J
16.81		235								
16.96		280								
17.11		380928								
17.45		1990								
17.60		855								

CompuChem

Lab Smp Id : 1005180-01 Client Smp Id : SS41-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 10-JUN-2010 15:12 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zk_2C.b/8081A_clpest2v6.m
Misc. Info : SS41-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 8(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
17.67		228								
17.76		346								
17.88		443								
17.94		447								
18.01		2758								
18.13		194								
18.24		1267								
18.31	18.30 18.44	1044	419519	Endrin Ketone	0.002486	0.450395	3.586957			J
18.45		234								
18.60		668								
18.69		110								
18.74		805								
18.83		481								
18.94		1835								
19.11		633								
19.31		138								
19.44		1062								
19.57		132								
19.62		511								
19.71		1524								
19.85		150								
19.96		458								
20.09		264								
20.26		482								
20.36		594								
20.42		1044								
20.58		16159								
20.73		965								
20.84		122								
20.96	20.90 21.04	35218	406698	Decachlorobiphenyl	0.086593	15.68707		72.2	55 - 130	
21.31		1546								
21.46		325								
21.63		449								
21.83		492								
22.16		178								
22.34		2374								
22.53		610								

CompuChem

Lab Smp Id : 1005180-01 Client Smp Id : SS41-0-1
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 10-JUN-2010 15:12 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zk_2C.b/8081A_clpest2v6.m
Misc. Info : SS41-0-1

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 8(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
22.86		661								
23.08		599								
24.29		270								
24.45		258								
24.53		459								
24.88		209								
24.95		412								

3. Standards Data

a. Initial Calibration Data (Form VI)

b. Continuing Verification Summary (Form VII)

c. Analytical Sequence (Form VIII)

d. Identifiaction Summary for Single Component Analytes (Form X)

e. Identifiaction Summary for Multicomponent Analytes (Form X) – if applicable

f. Chromatograms and Data System Printouts

a. Initial Calibration Data
(Form VI)

For all GC columns, all instrumnets, in chronological order
By GC column and instrument.

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Instrument ID: TRACEGC84 Calibration Date(s): 05/28/10 05/29/10

Column: CLPEST ID: 0.32 (mm) Calibration Time(s): 1818 0201

LAB FILE ID: RF0.0025: 011J0E27RF0.005: 012J0E270RF0.01: 020J0E2701
RF0.02: 014J0E2701RF0.04: 015J0E2701

COMPOUND	RF0.0025	RF0.005	RF0.01	RF0.02	RF0.04
Aldrin	689000.00	667800.00	632900.00	607950.00	585200.00
beta-BHC	334400.00	297400.00	296600.00	291100.00	283162.50
alpha-BHC	798600.00	792600.00	769400.00	762100.00	757100.00
delta-BHC	705200.00	707400.00	683650.00	678075.00	673262.50
gamma-BHC (Lindane)	754800.00	745400.00	722300.00	718750.00	704712.50
4,4'-DDD	422300.00	410500.00	394025.00	374237.50	366225.00
4,4'-DDE	573800.00	546750.00	517475.00	496737.50	483943.75
4,4'-DDT	503900.00	479100.00	446900.00	427812.50	416193.75
Dieldrin	562300.00	538100.00	508150.00	489762.50	479468.75
Endosulfan I	594200.00	570900.00	555750.00	521425.00	498537.50
Endosulfan II	496600.00	469900.00	446300.00	426475.00	412356.25
Endosulfan sulfate	432700.00	416550.00	389175.00	368575.00	353275.00
Endrin	511200.00	486100.00	461225.00	435025.00	421806.25
Endrin Aldehyde	377500.00	364050.00	355425.00	330325.00	315050.00
Heptachlor	759800.00	731000.00	688850.00	661075.00	636600.00
Heptachlor Epoxide	650600.00	633000.00	591800.00	559950.00	533150.00
Methoxychlor	222640.00	208230.00	190545.00	179402.50	170977.50
Toxaphene			7421.000		
(2)			20833.000		
(3)			14312.500		
(4)			16310.000		
(5)			13342.000		
Endrin Ketone	497200.00	482900.00	453250.00	433600.00	419337.50
gamma-Chlordane	652000.00	634000.00	588300.00	561150.00	538925.00
alpha-Chlordane	569000.00	542600.00	515550.00	489675.00	466737.50
Decachlorobiphenyl	482100.00	446650.00	403000.00	369312.50	340687.50
Tetrachloro-m-Xylene	537800.00	545600.00	518200.00	513275.00	498912.50

FORM VI PEST

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Instrument ID: TRACEGC84 Calibration Date(s): 05/28/10 05/29/10

Column: CLPEST ID: 0.32 (mm) Calibration Time(s): 1818 0201

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Aldrin	AVRG	636570.000	6.7
beta-BHC	AVRG	300532.500	6.6
alpha-BHC	AVRG	775960.000	2.4
delta-BHC	AVRG	689517.500	2.3
gamma-BHC (Lindane)	AVRG	729192.500	2.8
4,4'-DDD	AVRG	393457.500	6.0
4,4'-DDE	AVRG	523741.250	7.0
4,4'-DDT	AVRG	454781.250	8.0
Dieldrin	AVRG	515556.250	6.6
Endosulfan I	AVRG	548162.500	7.0
Endosulfan II	AVRG	450326.250	7.5
Endosulfan sulfate	AVRG	392055.000	8.4
Endrin	AVRG	463071.250	7.9
Endrin Aldehyde	AVRG	348470.000	7.3
Heptachlor	AVRG	695465.000	7.2
Heptachlor Epoxide	AVRG	593700.000	8.2
Methoxychlor	AVRG	194359.000	10.8
Toxaphene	AVRG	7421.00000	0.0
(2)	AVRG	20833.0000	0.0
(3)	AVRG	14312.5000	0.0
(4)	AVRG	16310.0000	0.0
(5)	AVRG	13342.0000	0.0
Endrin Ketone	AVRG	457257.500	7.1
gamma-Chlordane	AVRG	594875.000	8.0
alpha-Chlordane	AVRG	516712.500	7.9
Decachlorobiphenyl	AVRG	408350.000	14.0
Tetrachloro-m-Xylene	AVRG	522757.500	3.6

FORM VI PEST

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Instrument ID: TRACEGC84 Calibration Date(s): 05/28/10 05/29/10

Column: CLPEST2 ID: 0.32 (mm) Calibration Time(s): 1818 0201

LAB FILE ID: RF0.0025: 011J0E27RF0.005: 012J0E270RF0.01: 020J0E2701
RF0.02: 014J0E2701RF0.04: 015J0E2701

COMPOUND	RF0.0025	RF0.005	RF0.01	RF0.02	RF0.04
Aldrin	543000.00	543500.00	537750.00	542075.00	544637.50
beta-BHC	251400.00	256400.00	246700.00	245775.00	242775.00
alpha-BHC	562000.00	589300.00	600750.00	631250.00	655487.50
delta-BHC	525200.00	534800.00	544550.00	567700.00	583925.00
gamma-BHC (Lindane)	558800.00	571500.00	581500.00	600750.00	615162.50
4,4'-DDD	333600.00	340000.00	339575.00	344112.50	345843.75
4,4'-DDE	482400.00	477550.00	465050.00	461000.00	457012.50
4,4'-DDT	414500.00	408650.00	400975.00	403962.50	401556.25
Dieldrin	465800.00	466850.00	460025.00	460187.50	456781.25
Endosulfan I	497200.00	488700.00	474850.00	468950.00	460212.50
Endosulfan II	422000.00	410950.00	403100.00	397450.00	391150.00
Endosulfan sulfate	384700.00	379650.00	363725.00	356675.00	348618.75
Endrin	421800.00	415300.00	404950.00	402612.50	398581.25
Endrin Aldehyde	325700.00	326950.00	322975.00	308375.00	300925.00
Heptachlor	549636.36	594700.00	584800.00	584750.00	583600.00
Heptachlor Epoxide	529000.00	519400.00	509950.00	503825.00	497387.50
Methoxychlor	201820.00	193160.00	181780.00	172997.50	164821.25
Toxaphene			15199.000		
(2)			18826.500		
(3)			23283.000		
(4)			19076.500		
(5)			7795.000		
Endrin Ketone	434900.00	429550.00	419150.00	411237.50	402756.25
gamma-Chlordane	526800.00	521000.00	508500.00	506025.00	503425.00
alpha-Chlordane	463600.00	454800.00	441750.00	437925.00	433162.50
Decachlorobiphenyl	466000.00	432800.00	401125.00	376587.50	356975.00
Tetrachloro-m-Xylene	429200.00	424600.00	410850.00	411550.00	407787.50

FORM VI PEST

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Instrument ID: TRACEGC84 Calibration Date(s): 05/28/10 05/29/10

Column: CLPEST2 ID: 0.32 (mm) Calibration Time(s): 1818 0201

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Aldrin	AVRG	542192.500	0.5
beta-BHC	AVRG	248610.000	2.1
alpha-BHC	AVRG	607757.500	6.0
delta-BHC	AVRG	551235.000	4.4
gamma-BHC (Lindane)	AVRG	585542.500	3.8
4,4'-DDD	AVRG	340626.250	1.4
4,4'-DDE	AVRG	468602.500	2.3
4,4'-DDT	AVRG	405928.750	1.4
Dieldrin	AVRG	461928.750	0.9
Endosulfan I	AVRG	477982.500	3.1
Endosulfan II	AVRG	404930.000	3.0
Endosulfan sulfate	AVRG	366673.750	4.2
Endrin	AVRG	408648.750	2.3
Endrin Aldehyde	AVRG	316985.000	3.7
Heptachlor	AVRG	579497.273	3.0
Heptachlor Epoxide	AVRG	511912.500	2.4
Methoxychlor	AVRG	182915.750	8.2
Toxaphene	AVRG	15199.0000	0.0
(2)	AVRG	18826.5000	0.0
(3)	AVRG	23283.0000	0.0
(4)	AVRG	19076.5000	0.0
(5)	AVRG	7795.00000	0.0
Endrin Ketone	AVRG	419518.750	3.1
gamma-Chlordane	AVRG	513150.000	2.0
alpha-Chlordane	AVRG	446247.500	2.8
Decachlorobiphenyl	AVRG	406697.500	10.7
Tetrachloro-m-Xylene	AVRG	416797.500	2.3

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Instrument ID: TRACEGC84 Calibration Date(s): 05/28/10 05/29/10

Column: CLPEST ID: 0.32 (mm) Calibration Time(s): 1818 0201

LAB FILE ID: RT1: 011J0E27012-CRT2: 012J0E27012-CRT3: 020J0E27012-A
RT4: 014J0E27012-CRT5: 015J0E27012-C

COMPOUND	RT1	RT2	RT3	RT4	RT5
Aldrin	12.340	12.340	12.340	12.340	12.340
beta-BHC	10.660	10.660	10.660	10.660	10.660
alpha-BHC	9.600	9.600	9.610	9.600	9.600
delta-BHC	11.090	11.090	11.100	11.090	11.090
gamma-BHC (Lindane)	10.430	10.430	10.430	10.430	10.430
4,4'-DDD	15.810	15.810	15.820	15.810	15.820
4,4'-DDE	14.510	14.520	14.520	14.510	14.520
4,4'-DDT	16.420	16.420	16.420	16.420	16.420
Dieldrin	15.160	15.170	15.170	15.160	15.170
Endosulfan I	14.630	14.640	14.640	14.630	14.640
Endosulfan II	16.160	16.160	16.160	16.160	16.160
Endosulfan sulfate	18.000	18.000	18.000	18.000	18.000
Endrin	15.680	15.680	15.680	15.680	15.680
Endrin Aldehyde	17.070	17.070	17.070	17.070	17.070
Heptachlor	11.620	11.620	11.620	11.620	11.620
Heptachlor Epoxide	13.750	13.750	13.750	13.750	13.750
Methoxychlor	17.440	17.440	17.440	17.440	17.450
Toxaphene			16.150		
(2)			16.290		
(3)			17.030		
(4)			17.900		
(5)			18.560		
Endrin Ketone	18.600	18.610	18.600	18.600	18.600
gamma-Chlordane	14.040	14.040	14.040	14.030	14.040
alpha-Chlordane	14.340	14.340	14.340	14.330	14.340
Decachlorobiphenyl	20.700	20.700	20.700	20.700	20.700
Tetrachloro-m-Xylene	8.090	8.080	8.090	8.080	8.080

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Instrument ID: TRACEGC84 Calibration Date(s): 05/28/10 05/29/10

Column: CLPEST ID: 0.32 (mm) Calibration Time(s): 1818 0201

COMPOUND	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aldrin	12.340	12.272	12.412
beta-BHC	10.660	10.588	10.728
alpha-BHC	9.602	9.533	9.673
delta-BHC	11.092	11.023	11.163
gamma-BHC (Lindane)	10.430	10.357	10.497
4,4'-DDD	15.814	15.747	15.887
4,4'-DDE	14.516	14.445	14.585
4,4'-DDT	16.420	16.350	16.490
Dieldrin	15.166	15.098	15.238
Endosulfan I	14.636	14.567	14.707
Endosulfan II	16.160	16.092	16.232
Endosulfan sulfate	18.000	17.933	18.073
Endrin	15.680	15.605	15.745
Endrin Aldehyde	17.070	16.997	17.137
Heptachlor	11.620	11.552	11.692
Heptachlor Epoxide	13.750	13.683	13.823
Methoxychlor	17.442	17.375	17.515
Toxaphene	16.150	16.078	16.218
(2)	16.290	16.223	16.363
(3)	17.030	16.957	17.097
(4)	17.900	17.827	17.967
(5)	18.560	18.493	18.633
Endrin Ketone	18.602	18.533	18.673
gamma-Chlordane	14.038	13.967	14.107
alpha-Chlordane	14.338	14.265	14.405
Decachlorobiphenyl	20.700	20.635	20.775
Tetrachloro-m-Xylene	8.084	8.012	8.152

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Instrument ID: TRACEGC84 Calibration Date(s): 05/28/10 05/29/10

Column: CLPEST2 ID: 0.32 (mm) Calibration Time(s): 1818 0201

LAB FILE ID: RT1: 011J0E27012-CRT2: 012J0E27012-CRT3: 020J0E27012-A
RT4: 014J0E27012-CRT5: 015J0E27012-C

COMPOUND	RT1	RT2	RT3	RT4	RT5
Aldrin	12.280	12.280	12.280	12.280	12.280
beta-BHC	10.700	10.700	10.700	10.690	10.700
alpha-BHC	9.550	9.550	9.550	9.550	9.550
delta-BHC	11.400	11.400	11.400	11.400	11.400
gamma-BHC (Lindane)	10.460	10.460	10.460	10.460	10.460
4,4'-DDD	15.970	15.980	15.970	15.970	15.980
4,4'-DDE	14.730	14.730	14.730	14.730	14.730
4,4'-DDT	16.640	16.640	16.640	16.640	16.640
Dieldrin	15.060	15.060	15.060	15.060	15.060
Endosulfan I	14.460	14.460	14.460	14.460	14.460
Endosulfan II	16.180	16.180	16.180	16.180	16.180
Endosulfan sulfate	17.490	17.490	17.490	17.490	17.490
Endrin	15.720	15.720	15.720	15.720	15.720
Endrin Aldehyde	16.900	16.900	16.900	16.900	16.900
Heptachlor	11.520	11.520	11.530	11.520	11.520
Heptachlor Epoxide	13.600	13.600	13.600	13.600	13.600
Methoxychlor	18.090	18.100	18.090	18.090	18.100
Toxaphene			15.610		
(2)			16.360		
(3)			16.920		
(4)			18.120		
(5)			18.540		
Endrin Ketone	18.630	18.630	18.630	18.630	18.630
gamma-Chlordane	14.020	14.020	14.020	14.020	14.020
alpha-Chlordane	14.350	14.350	14.350	14.340	14.350
Decachlorobiphenyl	21.250	21.250	21.250	21.250	21.250
Tetrachloro-m-Xylene	7.890	7.890	7.890	7.890	7.890

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Instrument ID: TRACEGC84 Calibration Date(s): 05/28/10 05/29/10

Column: CLPEST2 ID: 0.32 (mm) Calibration Time(s): 1818 0201

COMPOUND	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aldrin	12.280	12.208	12.348
beta-BHC	10.698	10.625	10.765
alpha-BHC	9.550	9.480	9.620
delta-BHC	11.400	11.330	11.470
gamma-BHC (Lindane)	10.460	10.390	10.530
4,4'-DDD	15.974	15.907	16.047
4,4'-DDE	14.730	14.665	14.805
4,4'-DDT	16.640	16.572	16.712
Dieldrin	15.060	14.993	15.133
Endosulfan I	14.460	14.392	14.532
Endosulfan II	16.180	16.108	16.248
Endosulfan sulfate	17.490	17.420	17.560
Endrin	15.720	15.652	15.792
Endrin Aldehyde	16.900	16.833	16.973
Heptachlor	11.522	11.453	11.593
Heptachlor Epoxide	13.600	13.528	13.668
Methoxychlor	18.094	18.027	18.167
Toxaphene	15.610	15.535	15.675
(2)	16.360	16.288	16.428
(3)	16.920	16.847	16.987
(4)	18.120	18.050	18.190
(5)	18.540	18.465	18.605
Endrin Ketone	18.630	18.557	18.697
gamma-Chlordane	14.020	13.952	14.092
alpha-Chlordane	14.348	14.277	14.417
Decachlorobiphenyl	21.250	21.180	21.320
Tetrachloro-m-Xylene	7.890	7.823	7.963

b. Continuing Calibration Summary (Form VII)

For all performance evaluation mixtures (if applicable) and Continuing calibration verification standards, on all GC columns and instruments, in chronological order by GC column and instrument.

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Instrument ID: TRACEGC84 Calibration Date: 06/10/10 Time: 1146

Lab File ID: 383JSEQ-CCV1 Init. Calib. Date(s): 05/28/10 05/29/10

Init. Calib. Times: 1818 0201

GC Column: CLPEST ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Aldrin	636570.00	679080.00	0.01	6.68	20.00	AVRG	
beta-BHC	300532.50	322647.50	0.01	7.36	20.00	AVRG	
alpha-BHC	775960.00	836785.00	0.01	7.84	20.00	AVRG	
delta-BHC	689517.50	740562.50	0.01	7.40	20.00	AVRG	
gamma-BHC (Lindane)	729192.50	786925.00	0.01	7.92	20.00	AVRG	
4,4'-DDD	393457.50	396943.75	0.01	0.89	20.00	AVRG	
4,4'-DDE	523741.25	538550.00	0.01	2.83	20.00	AVRG	
4,4'-DDT	454781.25	452347.50	0.01	-0.54	20.00	AVRG	
Dieldrin	515556.25	543762.50	0.01	5.47	20.00	AVRG	
Endosulfan I	548162.50	596400.00	0.01	8.80	20.00	AVRG	
Endosulfan II	450326.25	470261.25	0.01	4.43	20.00	AVRG	
Endosulfan sulfate	392055.00	403000.00	0.01	2.79	20.00	AVRG	
Endrin	463071.25	490862.50	0.01	6.00	20.00	AVRG	
Endrin Aldehyde	348470.00	356493.75	0.01	2.30	20.00	AVRG	
Heptachlor	695465.00	741085.00	0.01	6.56	20.00	AVRG	
Heptachlor Epoxide	593700.00	639235.00	0.01	7.67	20.00	AVRG	
Methoxychlor	194359.00	186716.50	0.01	-3.93	20.00	AVRG	
Toxaphene	7421.0000		0.01	-100.00	20.00	AVRG	<-
(2)	20833.000		0.01	-100.00	20.00	AVRG	<-
(3)	14312.500		0.01	-100.00	20.00	AVRG	<-
(4)	16310.000		0.01	-100.00	20.00	AVRG	<-
(5)	13342.000		0.01	-100.00	20.00	AVRG	<-
Endrin Ketone	457257.50	463148.75	0.01	1.29	20.00	AVRG	
gamma-Chlordane	594875.00	626015.00	0.01	5.23	20.00	AVRG	
alpha-Chlordane	516712.50	552105.00	0.01	6.85	20.00	AVRG	
Decachlorobiphenyl	408350.00	389118.75	0.01	-4.71	20.00	AVRG	
Tetrachloro-m-Xylene	522757.50	563045.00	0.01	7.71	20.00	AVRG	

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Instrument ID: TRACEGC84 Calibration Date: 06/10/10 Time: 1146

Lab File ID: 383JSEQ-CCV1 Init. Calib. Date(s): 05/28/10 05/29/10

Init. Calib. Times: 1818 0201

GC Column: CLPEST2 ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Aldrin	542192.50	565587.50	0.01	4.31	20.00	AVRG	
beta-BHC	248610.00	258917.50	0.01	4.15	20.00	AVRG	
alpha-BHC	607757.50	634435.00	0.01	4.39	20.00	AVRG	
delta-BHC	551235.00	561212.50	0.01	1.81	20.00	AVRG	
gamma-BHC (Lindane)	585542.50	613367.50	0.01	4.75	20.00	AVRG	
4,4'-DDD	340626.25	340215.00	0.01	-0.12	20.00	AVRG	
4,4'-DDE	468602.50	481872.50	0.01	2.83	20.00	AVRG	
4,4'-DDT	405928.75	393377.50	0.01	-3.09	20.00	AVRG	
Dieldrin	461928.75	483255.00	0.01	4.62	20.00	AVRG	
Endosulfan I	477982.50	497407.50	0.01	4.06	20.00	AVRG	
Endosulfan II	404930.00	417877.50	0.01	3.20	20.00	AVRG	
Endosulfan sulfate	366673.75	369422.50	0.01	0.75	20.00	AVRG	
Endrin	408648.75	430356.25	0.01	5.31	20.00	AVRG	
Endrin Aldehyde	316985.00	325566.25	0.01	2.71	20.00	AVRG	
Heptachlor	579497.27	605452.50	0.01	4.48	20.00	AVRG	
Heptachlor Epoxide	511912.50	531835.00	0.01	3.89	20.00	AVRG	
Methoxychlor	182915.75	172853.00	0.01	-5.50	20.00	AVRG	
Toxaphene	15199.000		0.01	-100.00	20.00	AVRG	<-
(2)	18826.500		0.01	-100.00	20.00	AVRG	<-
(3)	23283.000		0.01	-100.00	20.00	AVRG	<-
(4)	19076.500		0.01	-100.00	20.00	AVRG	<-
(5)	7795.0000		0.01	-100.00	20.00	AVRG	<-
Endrin Ketone	419518.75	419978.75	0.01	0.11	20.00	AVRG	
gamma-Chlordane	513150.00	537315.00	0.01	4.71	20.00	AVRG	
alpha-Chlordane	446247.50	462547.50	0.01	3.65	20.00	AVRG	
Decachlorobiphenyl	406697.50	385986.25	0.01	-5.09	20.00	AVRG	
Tetrachloro-m-Xylene	416797.50	430127.50	0.01	3.20	20.00	AVRG	

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Instrument ID: TRACEGC84 Calibration Date: 06/10/10 Time: 1806

Lab File ID: 394JSEQ-CCV2 Init. Calib. Date(s): 05/28/10 05/29/10

Init. Calib. Times: 1818 0201

GC Column: CLPEST ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Aldrin	636570.00	669950.00	0.01	5.24	20.00	AVRG	
beta-BHC	300532.50	319750.00	0.01	6.39	20.00	AVRG	
alpha-BHC	775960.00	830600.00	0.01	7.04	20.00	AVRG	
delta-BHC	689517.50	726600.00	0.01	5.38	20.00	AVRG	
gamma-BHC (Lindane)	729192.50	774000.00	0.01	6.14	20.00	AVRG	
4,4'-DDD	393457.50	394200.00	0.01	0.19	20.00	AVRG	
4,4'-DDE	523741.25	531425.00	0.01	1.47	20.00	AVRG	
4,4'-DDT	454781.25	442825.00	0.01	-2.63	20.00	AVRG	
Dieldrin	515556.25	535975.00	0.01	3.96	20.00	AVRG	
Endosulfan I	548162.50	584750.00	0.01	6.67	20.00	AVRG	
Endosulfan II	450326.25	458875.00	0.01	1.90	20.00	AVRG	
Endosulfan sulfate	392055.00	394500.00	0.01	0.62	20.00	AVRG	
Endrin	463071.25	497375.00	0.01	7.41	20.00	AVRG	
Endrin Aldehyde	348470.00	345200.00	0.01	-0.94	20.00	AVRG	
Heptachlor	695465.00	730300.00	0.01	5.01	20.00	AVRG	
Heptachlor Epoxide	593700.00	614300.00	0.01	3.47	20.00	AVRG	
Methoxychlor	194359.00	191165.00	0.01	-1.64	20.00	AVRG	
Toxaphene	7421.0000		0.01	-100.00	20.00	AVRG	<-
(2)	20833.000		0.01	-100.00	20.00	AVRG	<-
(3)	14312.500		0.01	-100.00	20.00	AVRG	<-
(4)	16310.000		0.01	-100.00	20.00	AVRG	<-
(5)	13342.000		0.01	-100.00	20.00	AVRG	<-
Endrin Ketone	457257.50	447650.00	0.01	-2.10	20.00	AVRG	
gamma-Chlordane	594875.00	612950.00	0.01	3.04	20.00	AVRG	
alpha-Chlordane	516712.50	536250.00	0.01	3.78	20.00	AVRG	
Decachlorobiphenyl	408350.00	385950.00	0.01	-5.48	20.00	AVRG	
Tetrachloro-m-Xylene	522757.50	555350.00	0.01	6.23	20.00	AVRG	

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Instrument ID: TRACEGC84 Calibration Date: 06/10/10 Time: 1806

Lab File ID: 394JSEQ-CCV2 Init. Calib. Date(s): 05/28/10 05/29/10

Init. Calib. Times: 1818 0201

GC Column: CLPEST2 ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Aldrin	542192.50	563900.00	0.01	4.00	20.00	AVRG	
beta-BHC	248610.00	257650.00	0.01	3.64	20.00	AVRG	
alpha-BHC	607757.50	636100.00	0.01	4.66	20.00	AVRG	
delta-BHC	551235.00	561900.00	0.01	1.93	20.00	AVRG	
gamma-BHC (Lindane)	585542.50	614450.00	0.01	4.94	20.00	AVRG	
4,4'-DDD	340626.25	339750.00	0.01	-0.26	20.00	AVRG	
4,4'-DDE	468602.50	480625.00	0.01	2.56	20.00	AVRG	
4,4'-DDT	405928.75	393950.00	0.01	-2.95	20.00	AVRG	
Dieldrin	461928.75	480175.00	0.01	3.95	20.00	AVRG	
Endosulfan I	477982.50	492200.00	0.01	2.97	20.00	AVRG	
Endosulfan II	404930.00	413975.00	0.01	2.23	20.00	AVRG	
Endosulfan sulfate	366673.75	371625.00	0.01	1.35	20.00	AVRG	
Endrin	408648.75	441400.00	0.01	8.01	20.00	AVRG	
Endrin Aldehyde	316985.00	319625.00	0.01	0.83	20.00	AVRG	
Heptachlor	579497.27	605800.00	0.01	4.54	20.00	AVRG	
Heptachlor Epoxide	511912.50	529250.00	0.01	3.39	20.00	AVRG	
Methoxychlor	182915.75	177965.00	0.01	-2.71	20.00	AVRG	
Toxaphene	15199.000		0.01	-100.00	20.00	AVRG	<-
(2)	18826.500		0.01	-100.00	20.00	AVRG	<-
(3)	23283.000		0.01	-100.00	20.00	AVRG	<-
(4)	19076.500		0.01	-100.00	20.00	AVRG	<-
(5)	7795.0000		0.01	-100.00	20.00	AVRG	<-
Endrin Ketone	419518.75	412300.00	0.01	-1.72	20.00	AVRG	
gamma-Chlordane	513150.00	531600.00	0.01	3.60	20.00	AVRG	
alpha-Chlordane	446247.50	457700.00	0.01	2.57	20.00	AVRG	
Decachlorobiphenyl	406697.50	386575.00	0.01	-4.95	20.00	AVRG	
Tetrachloro-m-Xylene	416797.50	432700.00	0.01	3.82	20.00	AVRG	

FORM VII PEST

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): _____ Date Analyzed :_____

Lab Sample ID (PIBLK): _____ Time Analyzed :_____

EPA Sample No.(PEM): PEMHA Date Analyzed :05/28/10

Lab Sample ID (PEM): 0E27012-PEM1 Time Analyzed :1749

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD				
4,4'-DDE	14.50	14.45	14.59	134
4,4'-DDT	16.42	16.35	16.49	13271
Endrin	15.68	15.61	15.74	10368
Endrin Aldehyde	17.07	17.00	17.14	184
Endrin Ketone	18.61	18.53	18.67	230

4,4'-DDT % breakdown (1): 1.000 Endrin % breakdown (1): 3.84

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): _____ Date Analyzed :_____

Lab Sample ID (PIBLK): _____ Time Analyzed :_____

EPA Sample No.(PEM): PEMHA Date Analyzed :05/28/10

Lab Sample ID (PEM): 0E27012-PEM1 Time Analyzed :1749

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	15.91	15.91	16.05	30
4,4'-DDE	14.73	14.66	14.80	94
4,4'-DDT	16.64	16.57	16.71	11744
Endrin	15.72	15.65	15.79	8924
Endrin Aldehyde	16.91	16.83	16.97	100
Endrin Ketone	18.63	18.56	18.70	174

4,4'-DDT % breakdown (1): 1.04 Endrin % breakdown (1): 2.98

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): PIBLKMA Date Analyzed :06/10/10

Lab Sample ID (PIBLK): SEQ-CCB1 Time Analyzed :1117

EPA Sample No.(PEM): PEMMB Date Analyzed :06/10/10

Lab Sample ID (PEM): SEQ-PEM1 Time Analyzed :1215

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	15.53	15.48	15.62	275
4,4'-DDE	14.23	14.19	14.32	266
4,4'-DDT	16.13	16.08	16.22	13851
Endrin	15.37	15.33	15.47	11378
Endrin Aldehyde	16.76	16.71	16.86	409
Endrin Ketone	18.28	18.24	18.38	422

4,4'-DDT % breakdown (1): 3.76 Endrin % breakdown (1): 6.81

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): PIBLKMB Date Analyzed :06/10/10

Lab Sample ID (PIBLK): SEQ-CCB1 Time Analyzed :1117

EPA Sample No.(PEM): PEMMB Date Analyzed :06/10/10

Lab Sample ID (PEM): SEQ-PEM1 Time Analyzed :1215

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	15.73	15.67	15.81	209
4,4'-DDE	14.49	14.43	14.57	151
4,4'-DDT	16.39	16.33	16.47	11709
Endrin	15.46	15.40	15.54	9518
Endrin Aldehyde	16.64	16.59	16.73	344
Endrin Ketone	18.36	18.30	18.44	350

4,4'-DDT % breakdown (1): 2.98 Endrin % breakdown (1): 6.80

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): PIBLKMC Date Analyzed :06/10/10

Lab Sample ID (PIBLK): SEQ-CCB2 Time Analyzed :1737

EPA Sample No.(PEM): PEMMD Date Analyzed :06/10/10

Lab Sample ID (PEM): SEQ-PEM2 Time Analyzed :1835

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	15.52	15.48	15.62	279
4,4'-DDE	14.22	14.19	14.32	215
4,4'-DDT	16.12	16.08	16.22	13295
Endrin	15.37	15.33	15.47	11328
Endrin Aldehyde	16.76	16.71	16.86	224
Endrin Ketone	18.29	18.24	18.38	292

4,4'-DDT % breakdown (1): 3.58 Endrin % breakdown (1): 4.36

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): PIBLKMD Date Analyzed :06/10/10

Lab Sample ID (PIBLK): SEQ-CCB2 Time Analyzed :1737

EPA Sample No.(PEM): PEMMD Date Analyzed :06/10/10

Lab Sample ID (PEM): SEQ-PEM2 Time Analyzed :1835

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	15.73	15.67	15.81	229
4,4'-DDE	14.49	14.43	14.57	190
4,4'-DDT	16.39	16.33	16.47	11480
Endrin	15.46	15.40	15.54	9668
Endrin Aldehyde	16.64	16.59	16.73	188
Endrin Ketone	18.36	18.30	18.44	263

4,4'-DDT % breakdown (1): 3.52 Endrin % breakdown (1): 4.46

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

c. Analytical Sequence (Form VIII)

For all GC columns, all instruments, in chronological order by GC column and instrument

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

Instrument ID: TRACEGC84

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION DCB:20.70 TCX:8.08
SURROGATE RT FROM CONTINUING CALIBRATION DCB:20.39 TCX:7.82

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01	PEMHA	0E27012-PEM1	05/28/10	1749	20.70	8.08
02	INDC1HA	0E27012-CAL1	05/28/10	1818	20.70	8.09
03	INDC2HA	0E27012-CAL2	05/28/10	1847	20.70	8.08
04	INDC3HA	0E27012-CAL3	05/28/10	1916	20.70	8.09
05	INDC4HA	0E27012-CAL4	05/28/10	1945	20.70	8.08
06	INDC5HA	0E27012-CAL5	05/28/10	2014	20.70	8.08
07	TOXAPH3HA	0E27012-ARC1	05/28/10	2043	20.71	8.08
08	CHLORO3HA	0E27012-ARC2	05/28/10	2111	20.71	8.08
09	AR16601HA	0E27012-CAL6	05/28/10	2140	20.70	8.08
10	AR16602HA	0E27012-CAL7	05/28/10	2210	20.70	8.08
11	AR16603HA	0E27012-CAL8	05/28/10	2238	20.71	8.08
12	AR16604HA	0E27012-CAL9	05/28/10	2307	20.70	8.08
13	AR16605HA	0E27012-CALA	05/28/10	2336	20.70	8.08
14	AR12213HA	0E27012-ARC3	05/29/10	0005	20.70	8.08
15	AR12323HA	0E27012-ARC4	05/29/10	0034	20.70	8.08
16	AR12423HA	0E27012-ARC5	05/29/10	0103	20.70	8.08
17	AR12483HA	0E27012-ARC6	05/29/10	0132	20.70	8.08
18	AR12543HA	0E27012-ARC7	05/29/10	0201	20.70	8.08
19	PIBLKMA	SEQ-CCB1	06/10/10	1117	20.39	7.82
20	INDC3MB	SEQ-CCV1	06/10/10	1146	20.39	7.82
21	PEMMB	SEQ-PEM1	06/10/10	1215	20.39	7.82
22	PBLKDX	0060122-BLK1	06/10/10	1347	20.38	7.82
23	PDXLCS	0060122-BS1	06/10/10	1415	20.38	7.83
24	PDXLCSD	0060122-BSD1	06/10/10	1443	20.39	7.83
25	SS41-0-1	1005180-01	06/10/10	1512	20.39	7.83
26	SB41-1-2	1005180-02	06/10/10	1541	20.39	7.83
27	SS35-0-1	1005180-03	06/10/10	1610	20.39	7.84
28	SB35-2-3	1005180-04	06/10/10	1639	20.38	7.83
29	PIBLKMC	SEQ-CCB2	06/10/10	1737	20.39	7.82
30	INDC3MD	SEQ-CCV2	06/10/10	1806	20.39	7.82
31	PEMMD	SEQ-PEM2	06/10/10	1835	20.39	7.82
32						

QC LIMITS

DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

Instrument ID: TRACEGC84

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION DCB:20.70 TCX:8.08
SURROGATE RT FROM CONTINUING CALIBRATION DCB:20.39 TCX:7.82

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01	PEMHA	0E27012-PEM1	05/28/10	1749	20.70	8.08
02	INDC1HA	0E27012-CAL1	05/28/10	1818	20.70	8.09
03	INDC2HA	0E27012-CAL2	05/28/10	1847	20.70	8.08
04	INDC3HA	0E27012-CAL3	05/28/10	1916	20.70	8.09
05	INDC4HA	0E27012-CAL4	05/28/10	1945	20.70	8.08
06	INDC5HA	0E27012-CAL5	05/28/10	2014	20.70	8.08
07	TOXAPH3HA	0E27012-ARC1	05/28/10	2043	20.71	8.08
08	CHLORO3HA	0E27012-ARC2	05/28/10	2111	20.71	8.08
09	AR16601HA	0E27012-CAL6	05/28/10	2140	20.70	8.08
10	AR16602HA	0E27012-CAL7	05/28/10	2210	20.70	8.08
11	AR16603HA	0E27012-CAL8	05/28/10	2238	20.71	8.08
12	AR16604HA	0E27012-CAL9	05/28/10	2307	20.70	8.08
13	AR16605HA	0E27012-CALA	05/28/10	2336	20.70	8.08
14	AR12213HA	0E27012-ARC3	05/29/10	0005	20.70	8.08
15	AR12323HA	0E27012-ARC4	05/29/10	0034	20.70	8.08
16	AR12423HA	0E27012-ARC5	05/29/10	0103	20.70	8.08
17	AR12483HA	0E27012-ARC6	05/29/10	0132	20.70	8.08
18	AR12543HA	0E27012-ARC7	05/29/10	0201	20.70	8.08
19	PIBLKMA	SEQ-CCB1	06/10/10	1117	20.39	7.82
20	INDC3MB	SEQ-CCV1	06/10/10	1146	20.39	7.82
21	PEMMB	SEQ-PEM1	06/10/10	1215	20.39	7.82
22	PBLKDX	0060122-BLK1	06/10/10	1347	20.38	7.82
23	PDXLCS	0060122-BS1	06/10/10	1415	20.38	7.83
24	PDXLCSD	0060122-BSD1	06/10/10	1443	20.39	7.83
25	SS41-0-1	1005180-01	06/10/10	1512	20.39	7.83
26	SB41-1-2	1005180-02	06/10/10	1541	20.39	7.83
27	SS35-0-1	1005180-03	06/10/10	1610	20.39	7.84
28	SB35-2-3	1005180-04	06/10/10	1639	20.38	7.83
29	PIBLKMC	SEQ-CCB2	06/10/10	1737	20.39	7.82
30	INDC3MD	SEQ-CCV2	06/10/10	1806	20.39	7.82
31	PEMMD	SEQ-PEM2	06/10/10	1835	20.39	7.82
32						

QC LIMITS

DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

d. Identification Summary for Single Component Analytes (Form X)

For all samples with positively identified single component Analytes, in order by increasing Client Sample ID number.

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PDXLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Lab Sample ID: 0060122-BS1 Date(s) Analyzed: 06/10/10 06/10/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Aldrin	1	12.05	12.01	12.15	3.8	
	2	12.03	11.97	12.11	3.8	0.0
beta-BHC	1	10.39	10.34	10.48	4.0	
	2	10.46	10.40	10.54	4.3	7.2
alpha-BHC	1	9.33	9.29	9.43	4.2	
	2	9.32	9.26	9.40	4.2	0.0
delta-BHC	1	10.82	10.77	10.91	4.5	
	2	11.16	11.11	11.24	4.4	2.2
gamma-BHC (Lindane)	1	10.15	10.11	10.25	4.0	
	2	10.22	10.16	10.30	3.8	5.1
4,4'-DDD	1	15.52	15.48	15.62	11	
	2	15.73	15.67	15.81	11	0.0
4,4'-DDE	1	14.23	14.19	14.32	10	
	2	14.49	14.43	14.57	10	0.0
4,4'-DDT	1	16.12	16.08	16.22	9.6	
	2	16.39	16.33	16.47	9.7	1.0

FORM X PEST-1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PDXLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Lab Sample ID: 0060122-BS1 Date(s) Analyzed: 06/10/10 06/10/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	14.86	14.82	14.96	11	
	2	14.80	14.75	14.89	11	0.0
Endosulfan I	1	14.33	14.29	14.44	4.0	
	2	14.21	14.15	14.29	3.8	5.1
Endosulfan II	1	15.85	15.81	15.95	11	
	2	15.92	15.86	16.00	11	0.0
Endosulfan sulfate	1	17.68	17.64	17.79	10	
	2	17.23	17.17	17.31	10	0.0
Endrin	1	15.37	15.33	15.47	10	
	2	15.46	15.40	15.54	10	0.0
Endrin Aldehyde	1	16.75	16.71	16.86	7.4	
	2	16.64	16.59	16.73	7.9	6.5
Heptachlor	1	11.34	11.29	11.44	4.7	
	2	11.28	11.22	11.36	4.6	2.2
Heptachlor Epoxide	1	13.46	13.42	13.56	4.6	
	2	13.35	13.29	13.43	4.5	2.2

FORM X PEST-1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PDXLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Lab Sample ID: 0060122-BS1 Date(s) Analyzed: 06/10/10 06/10/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Methoxychlor	1	17.15	17.11	17.25	12	
	2	17.85	17.79	17.93	11	8.7
Endrin Ketone	1	18.28	18.24	18.38	11	
	2	18.36	18.30	18.44	11	0.0
gamma-Chlordane	1	13.74	13.70	13.84	4.1	
	2	13.77	13.71	13.85	4.6	11.5
alpha-Chlordane	1	14.04	14.00	14.14	5.2	
	2	14.09	14.04	14.18	4.6	12.2
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PDXLCSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Lab Sample ID: 0060122-BSD1 Date(s) Analyzed: 06/10/10 06/10/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Aldrin	1	12.05	12.01	12.15	2.8	
	2	12.03	11.97	12.11	2.8	0.0
beta-BHC	1	10.39	10.34	10.48	2.8	
	2	10.46	10.40	10.54	3.2	13.3
alpha-BHC	1	9.34	9.29	9.43	3.1	
	2	9.32	9.26	9.40	2.9	6.7
delta-BHC	1	10.82	10.77	10.91	3.3	
	2	11.16	11.11	11.24	3.1	6.2
gamma-BHC (Lindane)	1	10.15	10.11	10.25	2.9	
	2	10.22	10.16	10.30	2.7	7.1
4,4'-DDD	1	15.52	15.48	15.62	7.8	
	2	15.73	15.67	15.81	7.9	1.3
4,4'-DDE	1	14.23	14.19	14.32	7.7	
	2	14.49	14.43	14.57	7.6	1.3
4,4'-DDT	1	16.12	16.08	16.22	7.1	
	2	16.39	16.33	16.47	7.0	1.4

FORM X PEST-1

10A

EPA SAMPLE NO.

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

PDXLCSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Lab Sample ID: 0060122-BSD1 Date(s) Analyzed: 06/10/10 06/10/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	14.87	14.82	14.96	8.1	
	2	14.80	14.75	14.89	8.2	1.2
Endosulfan I	1	14.33	14.29	14.44	3.0	
	2	14.21	14.15	14.29	2.9	3.4
Endosulfan II	1	15.85	15.81	15.95	7.8	
	2	15.92	15.86	16.00	7.7	1.3
Endosulfan sulfate	1	17.69	17.64	17.79	7.3	
	2	17.23	17.17	17.31	7.2	1.4
Endrin	1	15.37	15.33	15.47	7.6	
	2	15.46	15.40	15.54	7.6	0.0
Endrin Aldehyde	1	16.75	16.71	16.86	5.4	
	2	16.64	16.59	16.73	5.6	3.6
Heptachlor	1	11.34	11.29	11.44	3.5	
	2	11.28	11.22	11.36	3.3	5.9
Heptachlor Epoxide	1	13.46	13.42	13.56	3.4	
	2	13.35	13.29	13.43	3.4	0.0

FORM X PEST-1

10A

EPA SAMPLE NO.

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

PDXLCSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Lab Sample ID: 0060122-BSD1 Date(s) Analyzed: 06/10/10 06/10/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Methoxychlor	1	17.15	17.11	17.25	8.7	
	2	17.85	17.79	17.93	8.2	5.9
Endrin Ketone	1	18.28	18.24	18.38	8.3	
	2	18.36	18.30	18.44	8.3	0.0
gamma-Chlordane	1	13.74	13.70	13.84	3.1	
	2	13.77	13.71	13.85	3.3	6.2
alpha-Chlordane	1	14.04	14.00	14.14	3.7	
	2	14.09	14.04	14.18	3.4	8.4
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB41-1-2

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Lab Sample ID: 1005180-02 Date(s) Analyzed: 06/10/10 06/10/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
delta-BHC	1	10.84	10.77	10.91	0.41	
	2	11.14	11.11	11.24	0.43	4.8
gamma-Chlordane	1	13.78	13.70	13.84	0.42	
	2	13.81	13.71	13.85	2.6	144.4
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS35-0-1

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Lab Sample ID: 1005180-03 Date(s) Analyzed: 06/10/10 06/10/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Endosulfan I	1	14.31	14.29	14.44	0.22	
	2	14.17	14.15	14.29	0.20	9.5
Endosulfan sulfate	1	17.73	17.64	17.79	1.7	
	2	17.18	17.17	17.31	0.41	122.3
Endrin Aldehyde	1	16.83	16.71	16.86	4.9	
	2	16.63	16.59	16.73	0.36	172.6
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

e. Identification Summary for Multicomponent Analytes (Form X) – if applicable

For all samples with positively identified multicomponent Analytes, in order by increasing Client Sample ID number.

f. Chromatograms and Data System Printouts

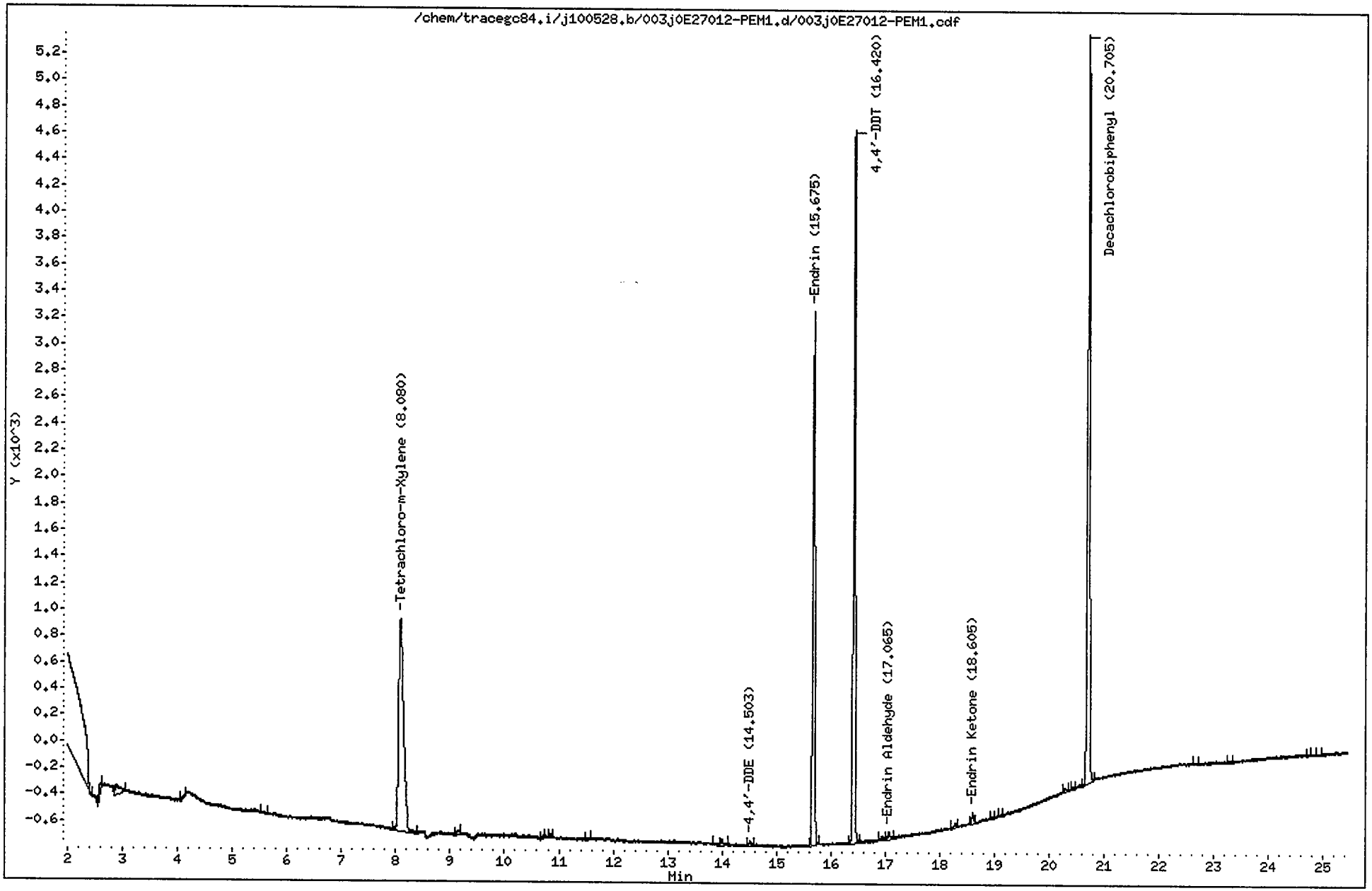
For all methods, standards packages shall include
The following:

- Performance evaluation mixtures (8081 only)
- Initial Calibration Standards
- Second Source Initial Calibration Verifications (if required by client)
- Continuing Calibration Verification Standards
- The quantitation report must include the Client Sample ID number.
- The chromatograms shall include the following: Client Sample ID number for the standard, labeled standard peaks, volume injected, for each standard, date and time of injection, GC column identifier, and GC Instrument identifier

Data File: /chem/tracegc84.i/j100528.b/003j0E27012-PEM1.d
Date : 28-MAY-2010 17:49
Client ID: PEMHA
Sample Info: 0E27012-PEM1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i

Operator: System
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-PEM1 Client Smp Id : PEMHA
Sample Type : SAMPLE Sublist : PEM
Inj Date : 28-MAY-2010 17:49 Inst ID : TRACEGC84
Operator : System
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : PEMHA

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
0.11			65								
0.33			59								
1.05			137								
1.31			67								
1.36			100								
1.55			63736								
2.60			274								
2.90			403								
4.13			50								
5.53			93								
8.08	8.01	8.15	10252	522758	Tetrachloro-m-Xylene	0.019611	0.019611		99.0	43 - 135	
9.13			89								
10.70			75								
10.85			89								
11.50			43								
13.86			56								
13.99			161								
14.50	14.45	14.59	135	523741	4,4'-DDE	0.000257	0.000257	0.020000			J
15.68	15.61	15.75	10368	463071	Endrin	0.022390	0.022390	0.020000			
16.42	16.35	16.49	13272	454781	4,4'-DDT	0.029183	0.029183	0.020000			
16.94			119								
17.06	17.00	17.14	184	348470	Endrin Aldehyde	0.000528	0.000528	0.020000			J
18.28			112								
18.60	18.53	18.67	230	457258	Endrin Ketone	0.000504	0.000504	0.020000			J
18.97			61								
19.13			49								
20.30			63								
20.46			58								
20.70	20.63	20.77	15710	408350	Decachlorobiphenyl	0.038473	0.038473		97.2	43 - 144	
22.67			44								
23.25			56								
24.69			43								
24.89			42								

AHW
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Data File: /chem/tracegc84.i/j100528.b/004j0E27012-CAL1.d

Date : 28-MAY-2010 18:18

Client ID: INDC1HA

Sample Info: 0E27012-CAL1

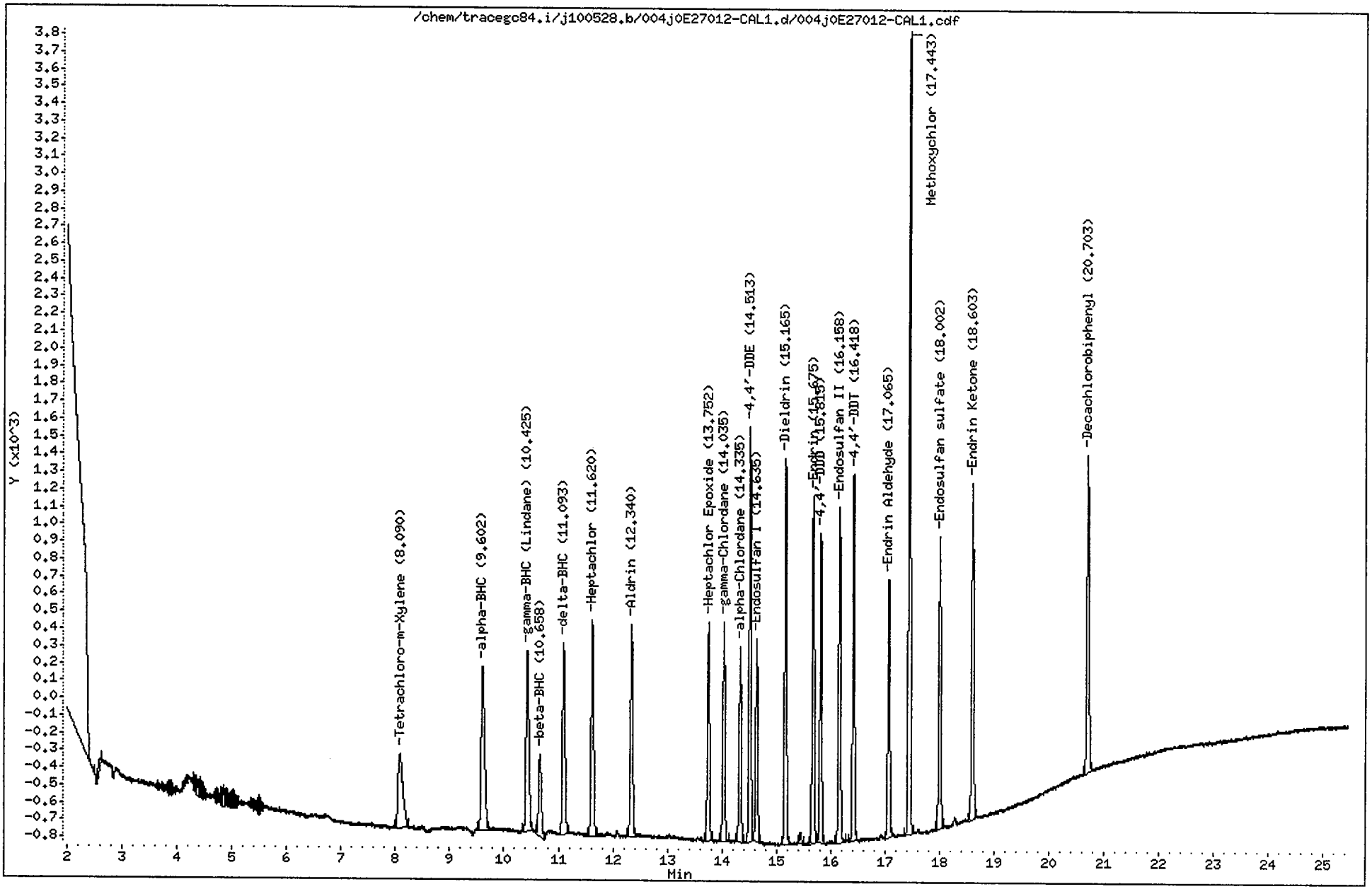
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL1 Client Smp Id : INDC1HA
Sample Type : INITIAL CAL: Level 1 Sublist : INDA
Inj Date : 28-MAY-2010 18:18 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : INDC1HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.57			247819					
2.59			171					
4.35			169					
4.84			233					
4.99			134					
8.09	8.01	8.15	2689	522758	Tetrachloro-m-Xylene	0.005000	537800	
9.60	9.53	9.67	3994	775960	alpha-BHC	0.005000	798600	
10.42	10.36	10.50	3775	729192	gamma-BHC (Lindane)	0.005000	754800	
10.66	10.59	10.73	1672	300532	beta-BHC	0.005000	334400	
11.09	11.02	11.16	3527	689518	delta-BHC	0.005000	705200	
11.62	11.55	11.69	3800	695465	Heptachlor	0.005000	759800	
12.34	12.27	12.41	3446	636570	Aldrin	0.005000	689000	
13.75	13.68	13.82	3254	593700	Heptachlor Epoxide	0.005000	650600	
14.04	13.97	14.11	3261	594875	gamma-Chlordane	0.005000	652000	
14.34	14.27	14.41	2846	516712	alpha-Chlordane	0.005000	569000	
14.51	14.45	14.59	5739	523741	4,4'-DDE	0.010000	573800	
14.64	14.57	14.71	2972	548162	Endosulfan I	0.005000	594200	
15.16	15.10	15.24	5623	515556	Dieldrin	0.010000	562300	
15.44			156					
15.68	15.61	15.75	5113	463071	Endrin	0.010000	511200	
15.82	15.74	15.88	4223	393458	4,4'-DDD	0.010000	422300	
16.16	16.09	16.23	4967	450326	Endosulfan II	0.010000	496600	
16.42	16.35	16.49	5039	454781	4,4'-DDT	0.010000	503900	
17.06	17.00	17.14	3776	348470	Endrin Aldehyde	0.010000	377500	
17.44	17.37	17.51	11132	194359	Methoxychlor	0.050000	222640	
18.00	17.93	18.07	4327	392055	Endosulfan sulfate	0.010000	432700	
18.60	18.53	18.67	4972	457258	Endrin Ketone	0.010000	497200	
20.70	20.63	20.77	4821	408350	Decachlorobiphenyl	0.010000	482100	

AHW
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Data File: /chem/tracegc84.i/j100528.b/005j0E27012-CAL2.d

Date : 28-MAY-2010 18:47

Client ID: INDC2HA

Sample Info: 0E27012-CAL2

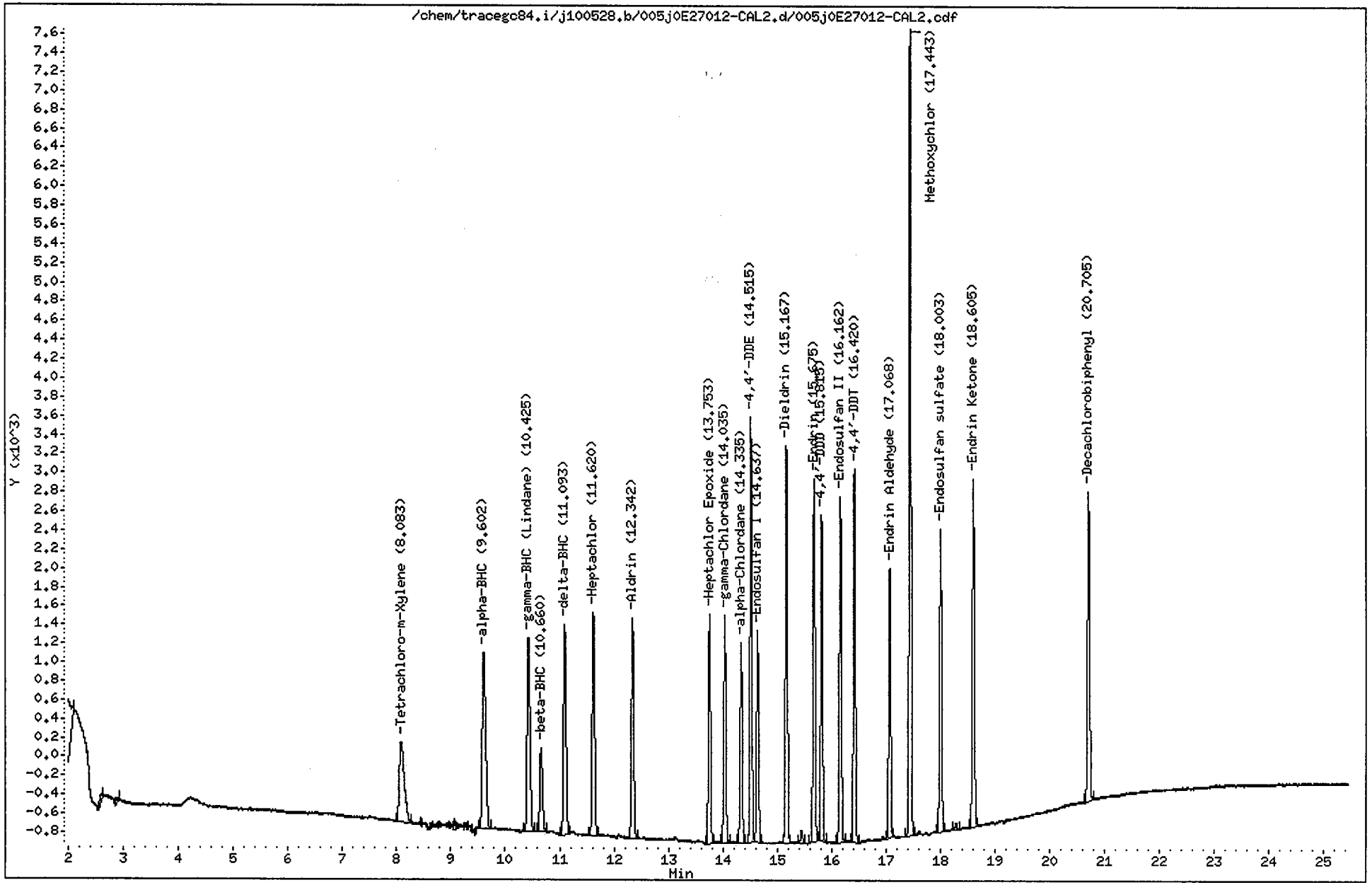
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL2 Client Smp Id : INDC2HA
Sample Type : INITIAL CAL: Level 2 Sublist : INDA
Inj Date : 28-MAY-2010 18:47 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : INDC2HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
0.81			199					
0.93			168					
1.03			181					
1.44			179					
1.55			31882					
2.60			253					
2.87			126					
8.08	8.01	8.15	5457	522758	Tetrachloro-m-Xylene	0.010000	545600	
9.06			157					
9.60	9.53	9.67	7926	775960	alpha-BHC	0.010000	792600	
10.42	10.36	10.50	7455	729192	gamma-BHC (Lindane)	0.010000	745400	
10.66	10.59	10.73	2974	300532	beta-BHC	0.010000	297400	
11.09	11.02	11.16	7074	689518	delta-BHC	0.010000	707400	
11.62	11.55	11.69	7311	695465	Heptachlor	0.010000	731000	
12.34	12.27	12.41	6679	636570	Aldrin	0.010000	667800	
13.75	13.68	13.82	6330	593700	Heptachlor Epoxide	0.010000	633000	
14.04	13.97	14.11	6341	594875	gamma-Chlordane	0.010000	634000	
14.34	14.27	14.41	5427	516712	alpha-Chlordane	0.010000	542600	
14.52	14.45	14.59	10936	523741	4,4'-DDE	0.020000	546750	
14.64	14.57	14.71	5709	548162	Endosulfan I	0.010000	570900	
15.17	15.10	15.24	10763	515556	Dieldrin	0.020000	538100	
15.45			319					
15.68	15.61	15.75	9723	463071	Endrin	0.020000	486100	
15.82	15.74	15.88	8211	393458	4,4'-DDD	0.020000	410500	
16.16	16.09	16.23	9399	450326	Endosulfan II	0.020000	469900	
16.42	16.35	16.49	9582	454781	4,4'-DDT	0.020000	479100	
17.07	17.00	17.14	7281	348470	Endrin Aldehyde	0.020000	364050	
17.44	17.37	17.51	20823	194359	Methoxychlor	0.100000	208230	
18.00	17.93	18.07	8331	392055	Endosulfan sulfate	0.020000	416550	
18.29			176					
18.60	18.53	18.67	9658	457258	Endrin Ketone	0.020000	482900	
20.70	20.63	20.77	8934	408350	Decachlorobiphenyl	0.020000	446650	

AHW
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Data File: /chem/tracegc84.i/j100528.b/006j0E27012-CAL3.d

Date : 28-MAY-2010 19:16

Client ID: INDC3HA

Sample Info: 0E27012-CAL3

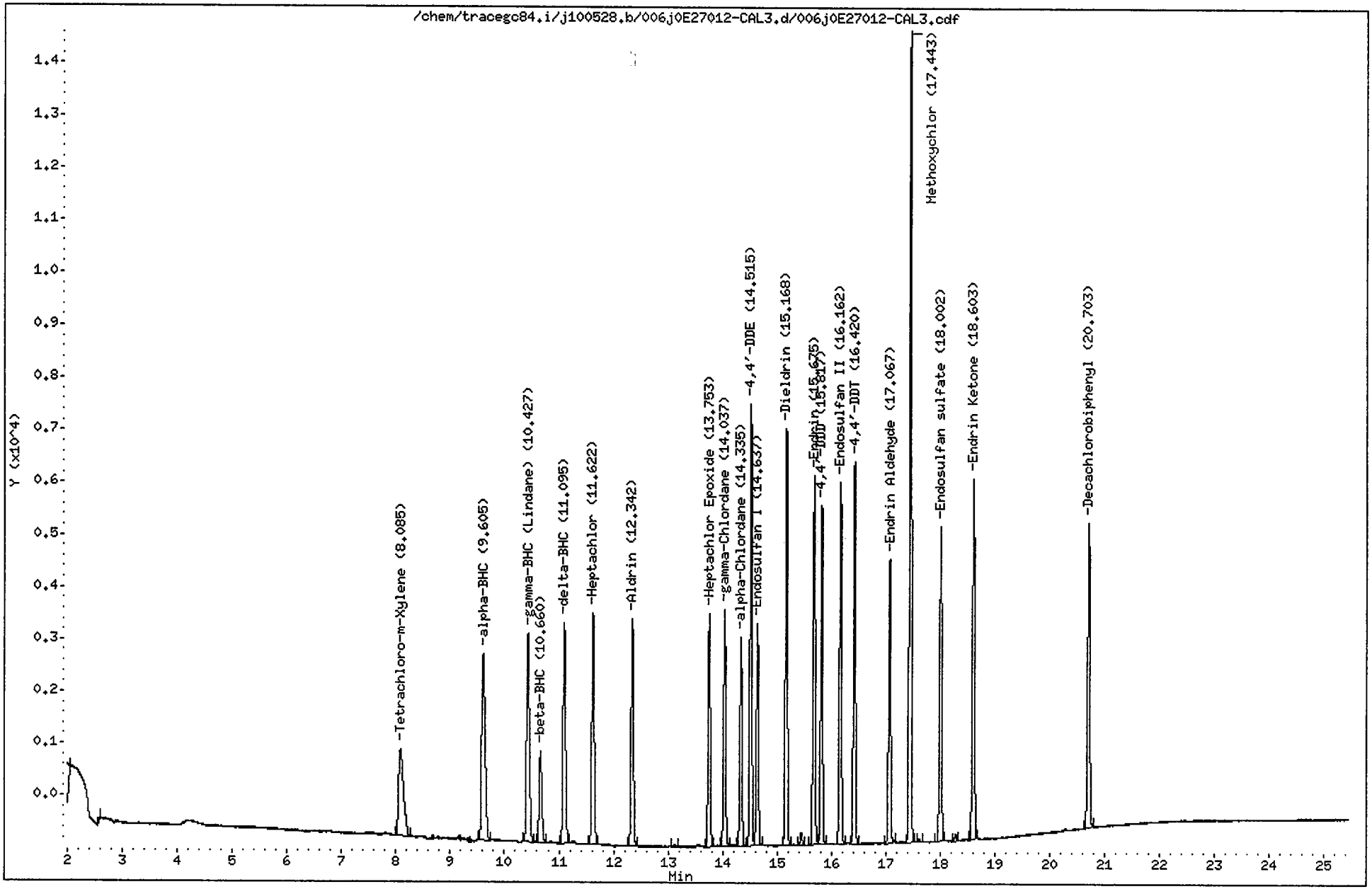
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL3 Client Smp Id : INDC3HA
Sample Type : INITIAL CAL: Level 3 Sublist : INDA
Inj Date : 28-MAY-2010 19:16 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : INDC3HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.56			33990					
2.59			125					
8.08	8.01	8.15	10365	522758	Tetrachloro-m-Xylene	0.020000	518200	
9.60	9.53	9.67	15388	775960	alpha-BHC	0.020000	769400	
10.43	10.36	10.50	14446	729192	gamma-BHC (Lindane)	0.020000	722300	
10.66	10.59	10.73	5933	300532	beta-BHC	0.020000	296600	
11.10	11.02	11.16	13673	689518	delta-BHC	0.020000	683650	
11.62	11.55	11.69	13777	695465	Heptachlor	0.020000	688850	
12.34	12.27	12.41	12658	636570	Aldrin	0.020000	632900	
13.12			154					
13.75	13.68	13.82	11837	593700	Heptachlor Epoxide	0.020000	591800	
14.04	13.97	14.11	11766	594875	gamma-Chlordane	0.020000	588300	
14.34	14.27	14.41	10311	516712	alpha-Chlordane	0.020000	515550	
14.52	14.45	14.59	20700	523741	4,4'-DDE	0.040000	517475	
14.64	14.57	14.71	11116	548162	Endosulfan I	0.020000	555750	
15.17	15.10	15.24	20326	515556	Dieldrin	0.040000	508150	
15.45			603					
15.68	15.61	15.75	18450	463071	Endrin	0.040000	461225	
15.82	15.74	15.88	15762	393458	4,4'-DDD	0.040000	394025	
16.16	16.09	16.23	17852	450326	Endosulfan II	0.040000	446300	
16.42	16.35	16.49	17876	454781	4,4'-DDT	0.040000	446900	
17.07	17.00	17.14	14218	348470	Endrin Aldehyde	0.040000	355425	
17.44	17.37	17.51	38110	194359	Methoxychlor	0.200000	190545	
17.62			164					
18.00	17.93	18.07	15567	392055	Endosulfan sulfate	0.040000	389175	
18.29			330					
18.60	18.53	18.67	18130	457258	Endrin Ketone	0.040000	453250	
20.70	20.63	20.77	16121	408350	Decachlorobiphenyl	0.040000	403000	

AHW
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Data File: /chem/tracegc84.i/j100528.b/007j0E27012-CAL4.d

Date : 28-MAY-2010 19:45

Client ID: INDC4HA

Sample Info: 0E27012-CAL4

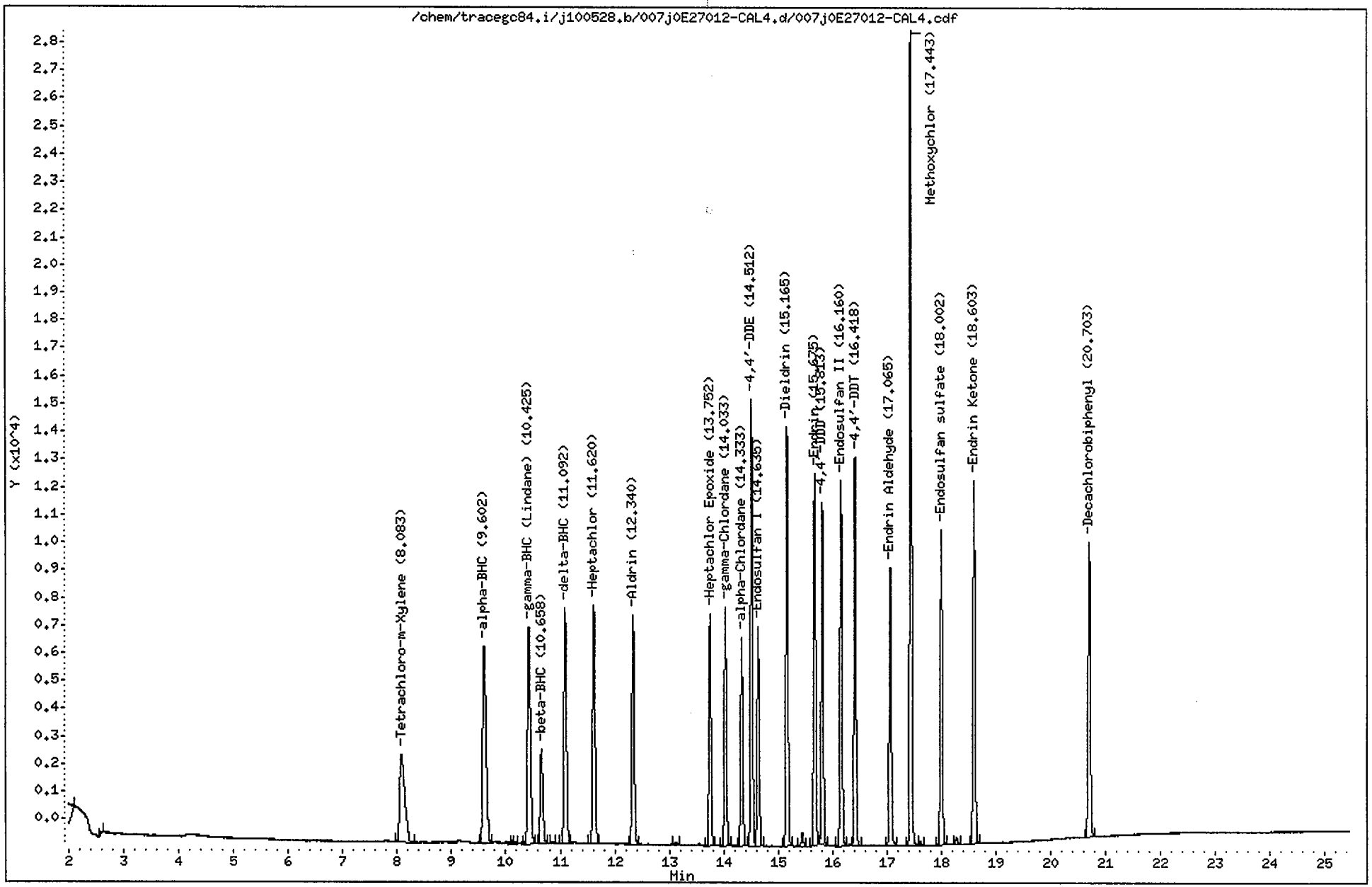
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL4 Client Smp Id : INDC4HA
Sample Type : INITIAL CAL: Level 4 Sublist : INDA
Inj Date : 28-MAY-2010 19:45 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : INDC4HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.55			32197					
2.61			220					
8.08	8.01	8.15	20531	522758	Tetrachloro-m-Xylene	0.040000	513275	
9.60	9.53	9.67	30485	775960	alpha-BHC	0.040000	762100	
10.11			174					
10.15			201					
10.34			121					
10.42	10.36	10.50	28750	729192	gamma-BHC (Lindane)	0.040000	718750	
10.66	10.59	10.73	11645	300532	beta-BHC	0.040000	291100	
10.85			124					
11.09	11.02	11.16	27123	689518	delta-BHC	0.040000	678075	
11.62	11.55	11.69	26443	695465	Heptachlor	0.040000	661075	
12.34	12.27	12.41	24318	636570	Aldrin	0.040000	607950	
13.12			296					
13.75	13.68	13.82	22398	593700	Heptachlor Epoxide	0.040000	559950	
14.03	13.97	14.11	22447	594875	gamma-Chlordane	0.040000	561150	
14.33	14.27	14.41	19587	516712	alpha-Chlordane	0.040000	489675	
14.51	14.45	14.59	39739	523741	4,4'-DDE	0.080000	496737	
14.64	14.57	14.71	20858	548162	Endosulfan I	0.040000	521425	
15.16	15.10	15.24	39182	515556	Dieldrin	0.080000	489763	
15.45			1192					
15.68	15.61	15.75	34803	463071	Endrin	0.080000	435025	
15.81	15.74	15.88	29940	393458	4,4'-DDD	0.080000	374237	
16.16	16.09	16.23	34119	450326	Endosulfan II	0.080000	426475	
16.32			140					
16.42	16.35	16.49	34226	454781	4,4'-DDT	0.080000	427813	
17.06	17.00	17.14	26427	348470	Endrin Aldehyde	0.080000	330325	
17.44	17.37	17.51	71762	194359	Methoxychlor	0.400000	179403	
17.62			370					
18.00	17.93	18.07	29487	392055	Endosulfan sulfate	0.080000	368575	
18.28			669					
18.60	18.53	18.67	34688	457258	Endrin Ketone	0.080000	433600	
20.70	20.63	20.77	29546	408350	Decachlorobiphenyl	0.080000	369313	

AHW
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Data File: /chem/tracegc84.i/j100528.b/008j0E27012-CAL5.d

Page 1

Date : 28-MAY-2010 20:14

Client ID: INDC5HA

Instrument: tracegc84.i

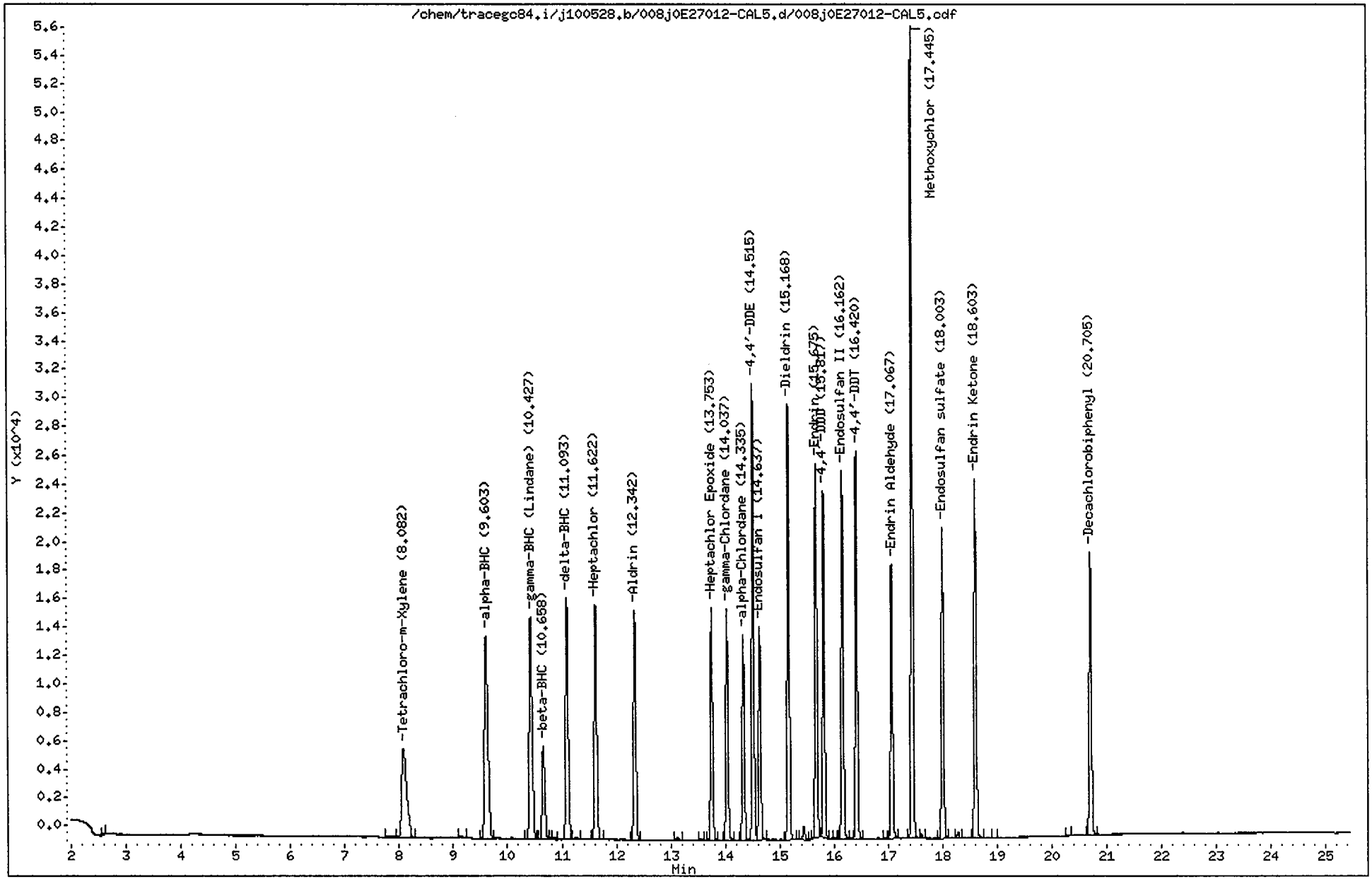
Sample Info: 0E27012-CAL5

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL5 Client Smp Id : INDC5HA
Sample Type : INITIAL CAL: Level 5 Sublist : INDA
Inj Date : 28-MAY-2010 20:14 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : INDC5HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.55			3249					
2.61			128					
7.82			681					
8.08	8.01	8.15	39913	522758	Tetrachloro-m-Xylene	0.080000	498913	
9.14			506					
9.60	9.53	9.67	60568	775960	alpha-BHC	0.080000	757100	
10.43	10.36	10.50	56377	729192	gamma-BHC (Lindane)	0.080000	704713	
10.66	10.59	10.73	22653	300532	beta-BHC	0.080000	283163	
10.86			351					
11.09	11.02	11.16	53861	689518	delta-BHC	0.080000	673263	
11.26			475					
11.62	11.55	11.69	50929	695465	Heptachlor	0.080000	636600	
12.34	12.27	12.41	46817	636570	Aldrin	0.080000	585200	
13.12			558					
13.55			280					
13.75	13.68	13.82	42653	593700	Heptachlor Epoxide	0.080000	533150	
14.04	13.97	14.11	43114	594875	gamma-Chlordane	0.080000	538925	
14.34	14.27	14.41	37339	516712	alpha-Chlordane	0.080000	466737	
14.52	14.45	14.59	77431	523741	4,4'-DDE	0.160000	483944	
14.64	14.57	14.71	39883	548162	Endosulfan I	0.080000	498537	
15.17	15.10	15.24	76716	515556	Dieldrin	0.160000	479469	
15.45			2365					
15.68	15.61	15.75	67490	463071	Endrin	0.160000	421806	
15.82	15.74	15.88	58597	393458	4,4'-DDD	0.160000	366225	
16.01			121					
16.16	16.09	16.23	65978	450326	Endosulfan II	0.160000	412356	
16.32			394					
16.42	16.35	16.49	66592	454781	4,4'-DDT	0.160000	416194	
16.94			123					
17.07	17.00	17.14	50408	348470	Endrin Aldehyde	0.160000	315050	
17.44	17.37	17.51	136783	194359	Methoxychlor	0.800000	170977	
17.61			647					
18.00	17.93	18.07	56525	392055	Endosulfan sulfate	0.160000	353275	
18.28			1187					
18.60	18.53	18.67	67095	457258	Endrin Ketone	0.160000	419337	
18.96			137					
20.30			252					
20.70	20.63	20.77	54511	408350	Decachlorobiphenyl	0.160000	340687	

AHW
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Data File: /chem/tracegc84.i/j100528.b/009j0E27012-ARC1.d

Date : 28-MAY-2010 20:43

Client ID: TOXAPH3HA

Instrument: tracegc84.i

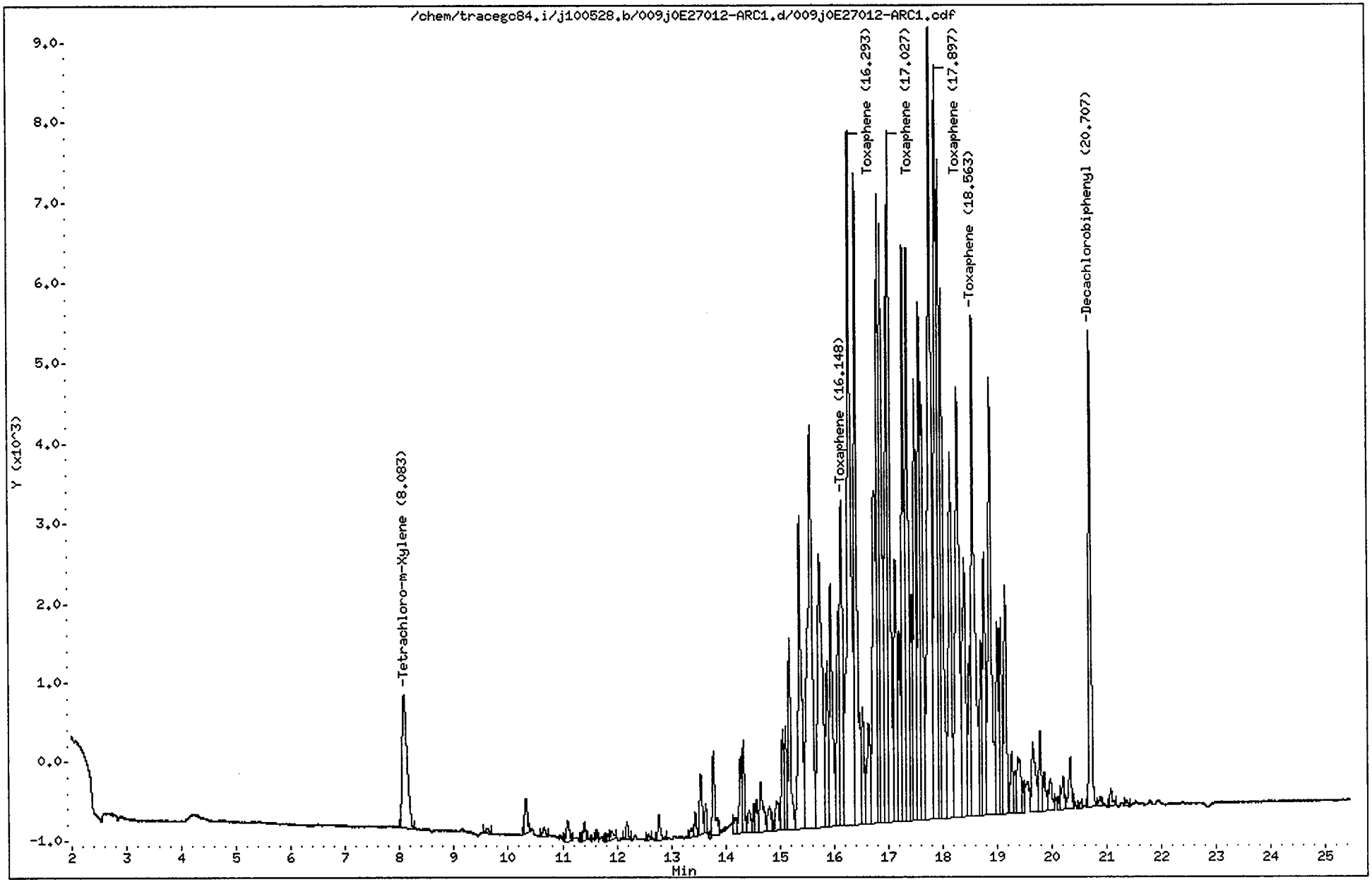
Sample Info: 0E27012-ARC1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC1 Client Smp Id : TOXAPH3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 28-MAY-2010 20:43 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : TOXAPH3HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.56			24358					
8.08	8.01	8.15	10558	522758	Tetrachloro-m-Xylene	0.020000	518200	
9.62			309					
10.33			1568					
10.66			402					
11.09			990					
11.40			779					
11.82			202					
11.90			506					
12.19			648					
12.58			176					
12.77			1115					
13.37			390					
13.45			773					
13.54			2468					
13.64			912					
13.78			3494					
14.18			680					
14.28			2861					
14.33			3309					
14.43			1100					
14.52			832					
14.57			1207					
14.65			2838					
14.81			1346					
14.93			1597					
15.05			3875					
15.11			3435					
15.18			7871					
15.37			16420					
15.57			29577					
15.74			21775					
15.88			6318					
15.95			11917					
16.09			9879					
16.15	16.08	16.22	14843	7421	Toxaphene Peak 1	2.000000	7421.000	
16.29	16.22	16.36	41666	20833	Toxaphene Peak 2	2.000000	20833	
16.41			28617					
16.53			4507					
16.64			6293					
16.75			19518					
16.83			22191					

2M

AHW 6/1/10

AHW 6/1/10

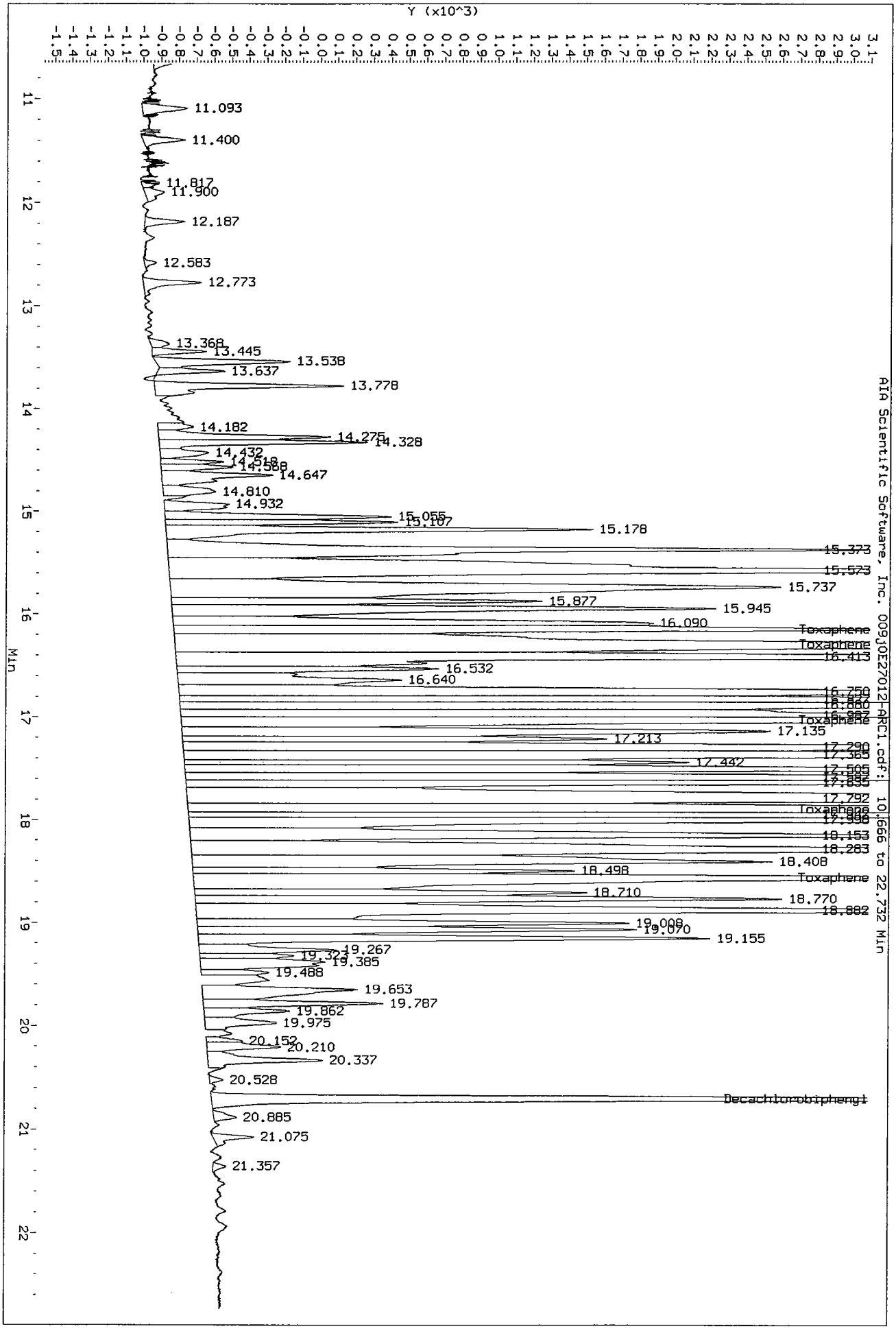
CompuChem

Lab Smp Id : 0E27012-ARC1 Client Smp Id : TOXAPH3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 28-MAY-2010 20:43 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : TOXAPH3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
16.88		23512					
16.99		21348					
17.03	16.96 17.10	28626	14312	Toxaphene Peak 3	2.000000	14313	ZM
17.14		13251					
17.21		7060					
17.29		23121					
17.36		25594					
17.44		7892					
17.50		17368					
17.59		21427					
17.64		16338					
17.79		44953					
17.90	17.83 17.97	32621	16310	Toxaphene Peak 4	2.000000	16310	
17.95		23314					
18.00		21781					
18.15		17931					
18.28		26018					
18.41		15580					
18.50		6059					
18.56	18.49 18.63	26685	13342	Toxaphene Peak 5	2.000000	13342	
18.71		6666					
18.77		11185					
18.88		22226					
19.01		7578					
19.07		7754					
19.16		9352					
19.27		2707					
19.32		1421					
19.39		3544					
19.49		1084					
19.65		4444					
19.79		3103					
19.86		1723					
19.98		1738					
20.15		447					
20.21		1465					
20.34		2484					
20.53		193					
20.71	20.63 20.77	17009	408350	Decachlorobiphenyl	0.040000	403000	
20.89		448					
21.07		713					
21.36		207					

Run 6/1/10

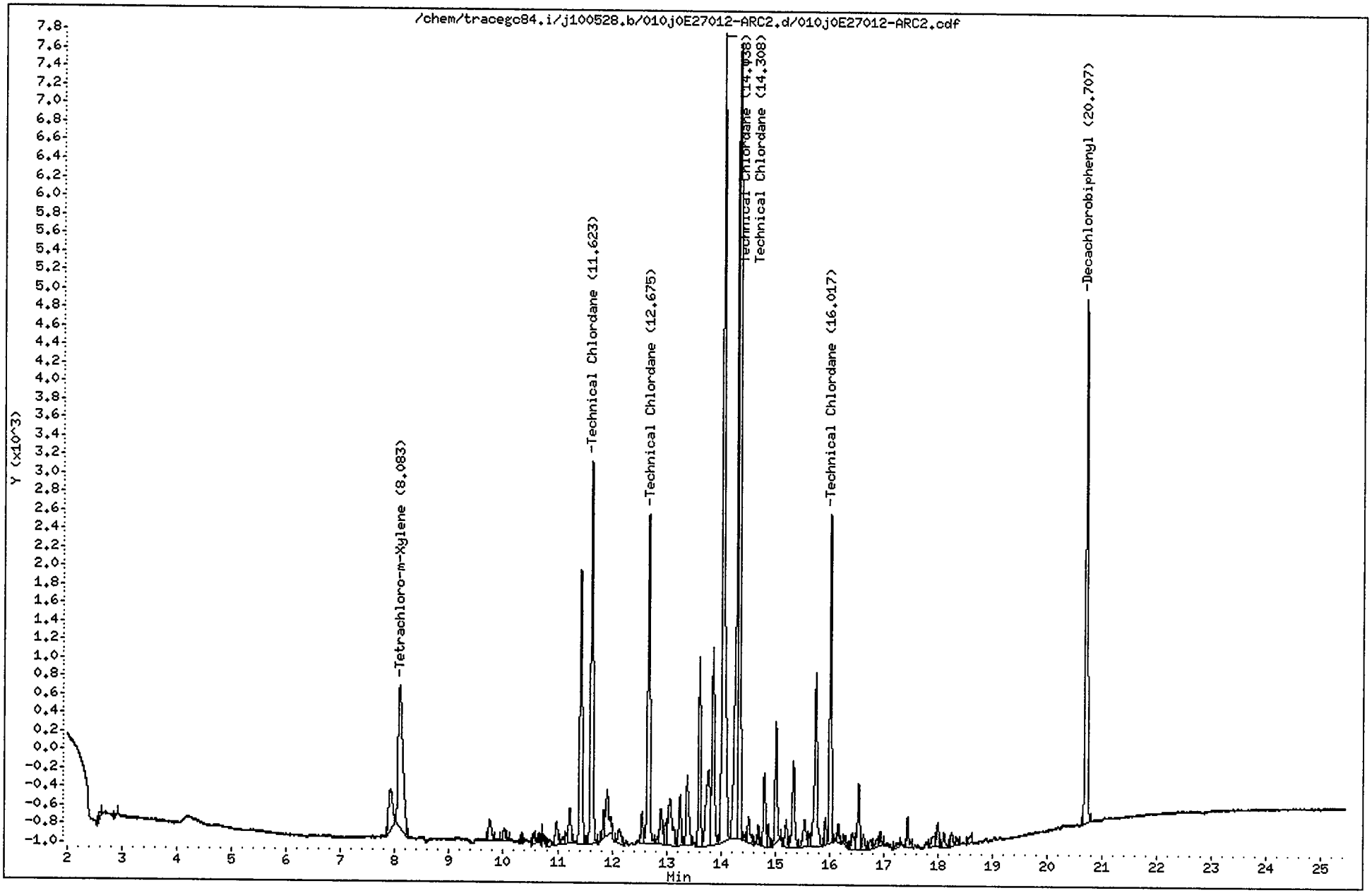
AHW 6/1/10


Data File: /chem/tracegc84.i/100528.b/009J0E27012-ARC1.d/009J0E27012-ARC1.cdf
Injection Date: 28-MAY-2010 20:43
Instrument: tracegc84.i
Client Sample ID: TOXAPH3HA
Y (x10^3)
Min
AIA Scientific Software, Inc. 009J0E27012-ARC1.cdf: 10.666 to 22.732 Min
11.093
11.400
11.817
11.900
12.187
12.583
12.773
13.368
13.445
13.538
13.637
13.778
14.182
14.275
14.328
14.432
14.518
14.568
14.647
14.810
14.932
15.055
15.107
15.178
15.373
15.573
15.737
15.877
15.945
16.090
Toxaphene
Toxaphene
16.413
16.532
16.640
16.750
16.860
Toxaphene
17.135
17.213
17.290
17.365
17.442
17.505
17.635
17.792
Toxaphene
17.998
18.153
18.283
18.408
18.498
Toxaphene
18.710
18.770
18.882
19.008
19.070
19.155
19.267
19.385
19.488
19.653
19.787
19.862
19.975
20.152
20.210
20.337
20.528
Decachlorobiphenyl
20.885
21.075
21.357

Data File: /chem/tracegc84.i/j100528.b/010j0E27012-ARC2.d
Date : 28-MAY-2010 21:11
Client ID: CHLORO3HA
Sample Info: 0E27012-ARC2
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC2 Client Smp Id : CHLORO3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TechChlor
Inj Date : 28-MAY-2010 21:11 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : CHLORO3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.55		3144					
2.61		236					
2.89		132					
7.91		2292					
8.08	8.01 8.15	9295	522758	Tetrachloro-m-Xylene	0.020000	518200	
9.74		872					
10.02		546					
10.35		172					
10.55		303					
10.71		194					
10.82		301					
10.98		819					
11.10		232					
11.17		249					
11.22		1199					
11.42		9327					
11.62	11.55 11.69	12816	32040	TechnicalChlordane Peak 1	0.400000	32040	
11.85		777					
11.91		1992					
12.13		661					
12.55		847					
12.68	12.61 12.75	10802	27002	TechnicalChlordane Peak 2	0.400000	27003	
12.84		186					
12.90		1323					
12.98		581					
13.06		2773					
13.25		1605					
13.38		2661					
13.61		5322					
13.78		4299					
13.86		6651					
14.04	13.97 14.11	27683	69208	TechnicalChlordane Peak 3	0.400000	69207	
14.31	14.24 14.38	21396	53488	TechnicalChlordane Peak 4	0.400000	53487	
14.33		21026					
14.43		147					
14.51		948					
14.69		425					
14.80		2186					
14.87		657					
15.01		3629					
15.21		847					
15.34		3048					

AHW
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CompuChem

Lab Smp Id : 0E27012-ARC2 Client Smp Id : CHLORO3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TechChlor
Inj Date : 28-MAY-2010 21:11 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : CHLORO3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.54		1136					
15.62		313					
15.75		6299					
15.93		682					
16.02	15.95 16.09	8940	22350	TechnicalChlordane Peak 5	0.400000	22350	
16.17		448					
16.29		241					
16.43		614					
16.54		2122					
16.63		473					
16.76		303					
16.88		290					
16.95		347					
17.25		149					
17.44		877					
17.89		575					
18.00		694					
18.11		452					
18.25		444					
18.36		149					
18.57		251					
20.71	20.63 20.77	15746	408350	Decachlorobiphenyl	0.040000	403000	

Data File: /chem/tracegc84.i/j100528.b/011j0E27012-CAL6.d

Date : 28-MAY-2010 21:40

Client ID: AR16601HA

Sample Info: 0E27012-CAL6

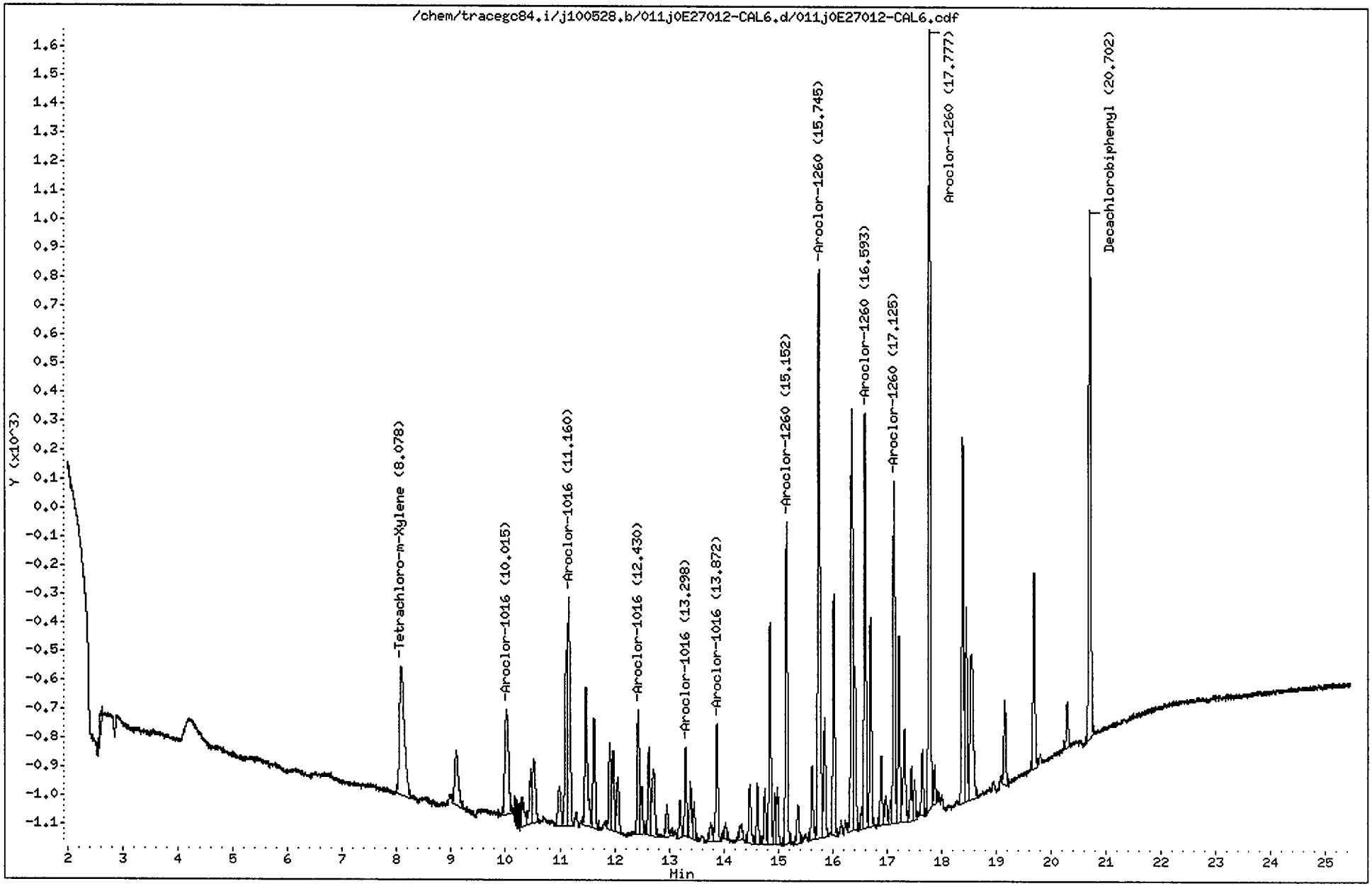
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL6 Client Smp Id : AR16601HA
Sample Type : INITIAL CAL: Level 1 Sublist : AR1660
Inj Date : 28-MAY-2010 21:40 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16601HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.56		3520					
2.59		170					
8.08	8.01 8.15	2767	522758	Tetrachloro-m-Xylene	0.005000	537800	
9.09		902					
10.02	9.95 10.09	1704	15485	Aroclor-1016 Peak 1	0.100000	17040	
10.30		383					
10.46		489					
10.52		870					
10.98		528					
11.11		1558					
11.16	11.09 11.23	2521	22974	Aroclor-1016 Peak 2	0.100000	25200	
11.47		1557					
11.62		1096					
11.91		804					
11.97		780					
12.06		587					
12.43	12.36 12.50	1156	10563	Aroclor-1016 Peak 3	0.100000	11560	
12.49		414					
12.63		808					
12.72		911					
12.96		316					
13.20		306					
13.30	13.23 13.37	745	6997	Aroclor-1016 Peak 4	0.100000	7450.000	
13.39		506					
13.46		304					
13.77		199					
13.87	13.81 13.95	1131	10047	Aroclor-1016 Peak 5	0.100000	11310	
14.03		153					
14.30		186					
14.48		587					
14.62		512					
14.75		471					
14.85		1852					
14.94		401					
14.98		478					
15.15	15.08 15.22	2767	23522	Aroclor-1260 Peak 1	0.100000	27660	
15.36		403					
15.62		649					
15.74	15.68 15.82	5499	46694	Aroclor-1260 Peak 2	0.100000	54980	
15.85		1061					
16.02		2074					
16.35		3908					

AHW
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CompuChem

Lab Smp Id : 0E27012-CAL6 Client Smp Id : AR16601HA
Sample Type : INITIAL CAL: Level 1 Sublist : AR1660
Inj Date : 28-MAY-2010 21:40 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16601HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
16.41		1447					
16.53		138					
16.59	16.53 16.67	3561	30634	Aroclor-1260 Peak 3	0.100000	35610	
16.70		1748					
16.89		619					
16.98		267					
17.06		185					
17.12	17.06 17.20	2961	25456	Aroclor-1260 Peak 4	0.100000	29610	
17.21		1590					
17.32		996					
17.44		512					
17.50		339					
17.65		558					
17.78	17.71 17.85	6708	57759	Aroclor-1260 Peak 5	0.100000	67080	
17.87		305					
18.39		3123					
18.45		1664					
18.54		2061					
19.16		730					
19.69		1693					
20.29		371					
20.70	20.63 20.77	4944	408350	Decachlorobiphenyl	0.010000	482100	

Data File: /chem/tracegc84.i/j100528.b/012j0E27012-CAL7.d

Date : 28-MAY-2010 22:10

Client ID: AR16602HA

Instrument: tracegc84.i

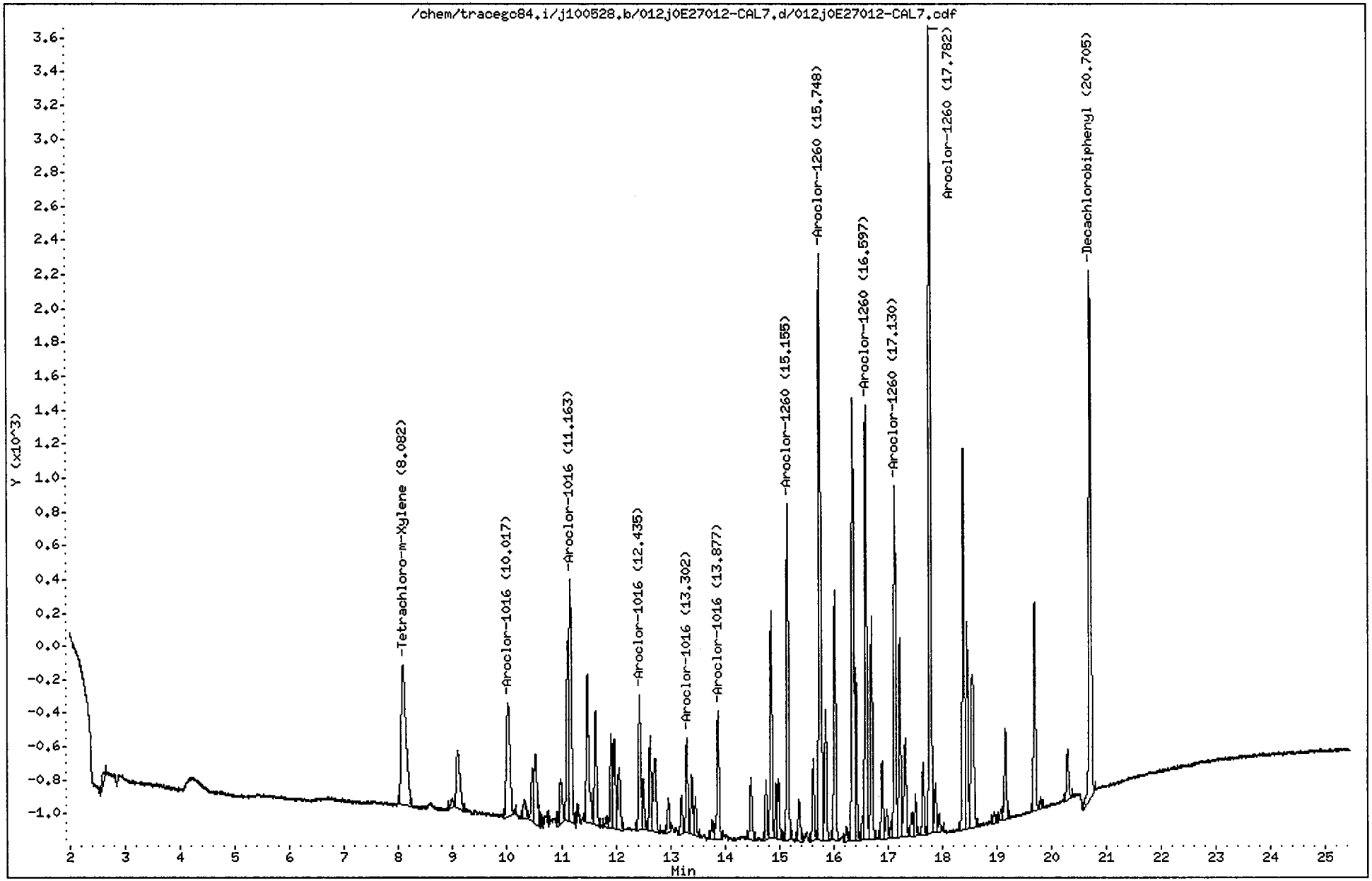
Sample Info: 0E27012-CAL7

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL7 Client Smp Id : AR16602HA
Sample Type : INITIAL CAL: Level 2 Sublist : AR1660
Inj Date : 28-MAY-2010 22:10 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16602HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.56		3394					
2.62		287					
8.08	8.01 8.15	5111	522758	Tetrachloro-m-Xylene	0.010000	545600	
8.98		168					
9.09		1587					
10.02	9.95 10.09	3202	15485	Aroclor-1016 Peak 1	0.200000	16010	
10.32		401					
10.47		855					
10.53		1721					
10.95		194					
10.99		893					
11.11		2453					
11.16	11.09 11.23	4955	22974	Aroclor-1016 Peak 2	0.200000	24775	
11.48		2978					
11.63		1965					
11.83		175					
11.91		1534					
11.97		1482					
12.06		1224					
12.44	12.36 12.50	2175	10563	Aroclor-1016 Peak 3	0.200000	10870	
12.50		784					
12.63		1476					
12.72		1715					
12.96		496					
13.20		546					
13.30	13.23 13.37	1376	6997	Aroclor-1016 Peak 4	0.200000	6875.000	
13.39		893					
13.46		572					
13.77		273					
13.88	13.81 13.95	2082	10047	Aroclor-1016 Peak 5	0.200000	10405	
14.48		1031					
14.76		821					
14.85		3269					
14.94		740					
14.99		840					
15.16	15.08 15.22	4966	23522	Aroclor-1260 Peak 1	0.200000	24830	
15.37		690					
15.63		1165					
15.75	15.68 15.82	9746	46694	Aroclor-1260 Peak 2	0.200000	48725	
15.86		1914					
16.02		3785					
16.24		204					

AHW
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CompuChem

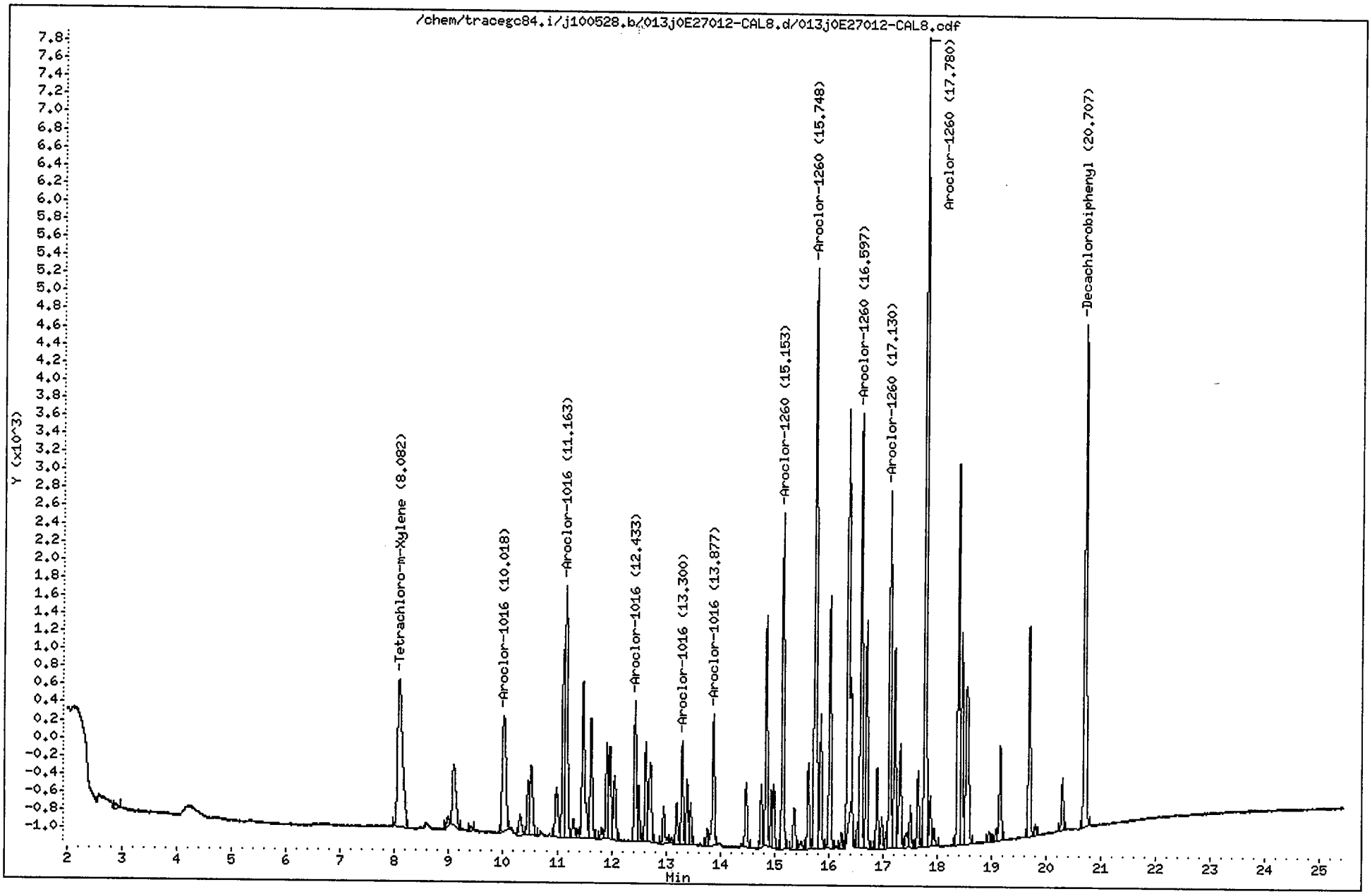
Lab Smp Id : 0E27012-CAL7 Client Smp Id : AR16602HA
Sample Type : INITIAL CAL: Level 2 Sublist : AR1660
Inj Date : 28-MAY-2010 22:10 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16602HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
16.36		7192					
16.41		2387					
16.53		279					
16.60	16.53 16.67	6472	30634	Aroclor-1260 Peak 3	0.200000	32360	
16.70		3267					
16.89		1120					
16.98		448					
17.05		200					
17.13	17.06 17.20	5313	25456	Aroclor-1260 Peak 4	0.200000	26565	
17.22		2891					
17.32		1753					
17.44		413					
17.51		561					
17.65		1014					
17.78	17.71 17.85	12048	57759	Aroclor-1260 Peak 5	0.200000	60240	
17.87		729					
17.94		293					
18.39		5771					
18.45		3059					
18.55		3649					
18.95		160					
19.08		156					
19.16		1411					
19.69		3081					
19.80		138					
20.29		789					
20.70	20.63 20.77	8841	408350	Decachlorobiphenyl	0.020000	446650	

Data File: /chem/tracegc84.i/j100528.b/013j0E27012-CAL8.d
Date : 28-MAY-2010 22:38
Client ID: AR16603HA
Sample Info: 0E27012-CAL8
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL8 Client Smp Id : AR16603HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1660
Inj Date : 28-MAY-2010 22:38 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16603HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.56		24150					
2.88		267					
8.08	8.01 8.15	10346	522758	Tetrachloro-m-Xylene	0.020000	518200	
8.99		354					
9.09		3161					
9.41		176					
10.02	9.95 10.09	6110	15485	Aroclor-1016 Peak 1	0.400000	15275	
10.32		841					
10.46		1618					
10.52		2899					
10.99		2044					
11.11		5325					
11.16	11.09 11.23	9213	22974	Aroclor-1016 Peak 2	0.400000	23033	
11.30		682					
11.38		210					
11.48		6114					
11.63		3897					
11.82		302					
11.91		2768					
11.97		2942					
12.06		2375					
12.43	12.36 12.50	4296	10563	Aroclor-1016 Peak 3	0.400000	10740	
12.50		1583					
12.63		2895					
12.72		3338					
12.96		1215					
13.11		157					
13.20		1187					
13.30	13.23 13.37	2917	6997	Aroclor-1016 Peak 4	0.400000	7290.000	
13.39		1889					
13.46		1219					
13.77		494					
13.88	13.81 13.95	3998	10047	Aroclor-1016 Peak 5	0.400000	9995.000	
14.48		1969					
14.76		1640					
14.85		6318					
14.94		1482					
14.99		1704					
15.15	15.08 15.22	9457	23522	Aroclor-1260 Peak 1	0.400000	23643	
15.36		1397					
15.49		293					
15.63		2355					

AHW
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CompuChem

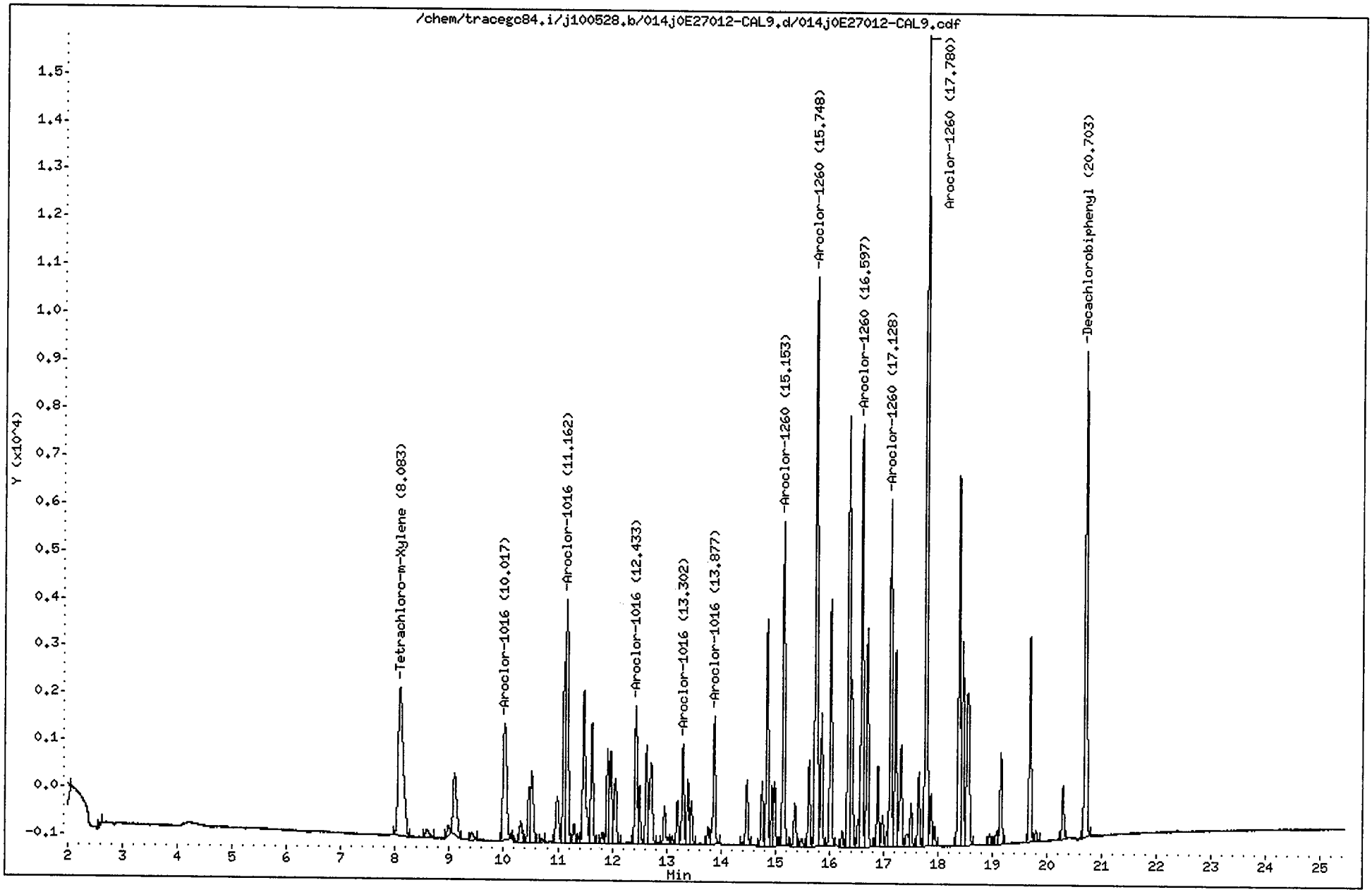
Lab Smp Id : 0E27012-CAL8 Client Smp Id : AR16603HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1660
Inj Date : 28-MAY-2010 22:38 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16603HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.75	15.68 15.82	18648	46694	Aroclor-1260 Peak 2	0.400000	46620	
15.85		3801					
16.02		7349					
16.24		412					
16.36		15379					
16.53		642					
16.60	16.53 16.67	12252	30634	Aroclor-1260 Peak 3	0.400000	30627	
16.70		6322					
16.89		2203					
16.98		867					
17.06		395					
17.13	17.06 17.20	10256	25456	Aroclor-1260 Peak 4	0.400000	25640	
17.22		5637					
17.32		3467					
17.44		592					
17.51		1173					
17.65		2041					
17.78	17.71 17.85	22955	57759	Aroclor-1260 Peak 5	0.400000	57385	
17.87		1415					
17.94		520					
18.39		11047					
18.45		5878					
18.55		6954					
18.95		327					
19.08		343					
19.16		2847					
19.69		5998					
19.80		299					
20.30		1460					
20.71	20.63 20.77	15493	408350	Decachlorobiphenyl	0.040000	403000	

Data File: /chem/tracegc84.i/j100528.b/014j0E27012-CAL9.d
Date : 28-MAY-2010 23:07
Client ID: AR16604HA
Sample Info: 0E27012-CAL9
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL9 Client Smp Id : AR16604HA
Sample Type : INITIAL CAL: Level 4 Sublist : AR1660
Inj Date : 28-MAY-2010 23:07 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16604HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.44		125					
1.56		25544					
2.60		153					
8.08	8.01 8.15	20185	522758	Tetrachloro-m-Xylene	0.040000	513275	
8.59		872					
8.98		657					
9.09		6109					
9.41		565					
10.02	9.95 10.09	11992	15485	Aroclor-1016 Peak 1	0.800000	14990	
10.31		1623					
10.47		3365					
10.52		5263					
10.71		191					
10.99		3888					
11.11		9659					
11.16	11.09 11.23	17361	22974	Aroclor-1016 Peak 2	0.800000	21701	
11.30		1192					
11.39		386					
11.47		11480					
11.63		7407					
11.82		660					
11.91		5385					
11.97		5650					
12.06		4523					
12.43	12.36 12.50	8185	10563	Aroclor-1016 Peak 3	0.800000	10230	
12.50		3221					
12.63		5585					
12.72		6541					
12.96		2515					
13.11		407					
13.20		2340					
13.30	13.23 13.37	5559	6997	Aroclor-1016 Peak 4	0.800000	6948.750	
13.39		3616					
13.46		2380					
13.77		956					
13.88	13.81 13.95	7714	10047	Aroclor-1016 Peak 5	0.800000	9642.500	
14.39		179					
14.47		3827					
14.76		3371					
14.85		12073					
14.94		3015					
14.99		3303					

AHW
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CompuChem

Lab Smp Id : 0E27012-CAL9 Client Smp Id : AR16604HA
Sample Type : INITIAL CAL: Level 4 Sublist : AR1660
Inj Date : 28-MAY-2010 23:07 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16604HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.15	15.08 15.22	17271	23522	Aroclor-1260 Peak 1	0.800000	21587	
15.37		2617					
15.50		557					
15.62		4436					
15.75	15.68 15.82	34379	46694	Aroclor-1260 Peak 2	0.800000	42974	
15.85		7021					
16.02		13737					
16.23		803					
16.36		25290					
16.41		8474					
16.53		1302					
16.60	16.53 16.67	22635	30634	Aroclor-1260 Peak 3	0.800000	28294	
16.70		11870					
16.89		4166					
16.98		1645					
17.05		713					
17.13	17.06 17.20	18884	25456	Aroclor-1260 Peak 4	0.800000	23605	
17.22		10385					
17.32		6517					
17.42		996					
17.50		2248					
17.65		3880					
17.78	17.71 17.85	42652	57759	Aroclor-1260 Peak 5	0.800000	53315	
17.87		2672					
17.94		950					
18.39		20345					
18.45		10856					
18.55		12918					
18.95		603					
19.08		650					
19.16		5250					
19.69		11058					
19.80		591					
20.29		2820					
20.70	20.63 20.77	28052	408350	Decachlorobiphenyl	0.080000	369313	

Data File: /chem/tracegc84.i/j100528.b/015j0E27012-CALA.d

Date : 28-MAY-2010 23:36

Client ID: AR16605HA

Sample Info: 0E27012-CALA

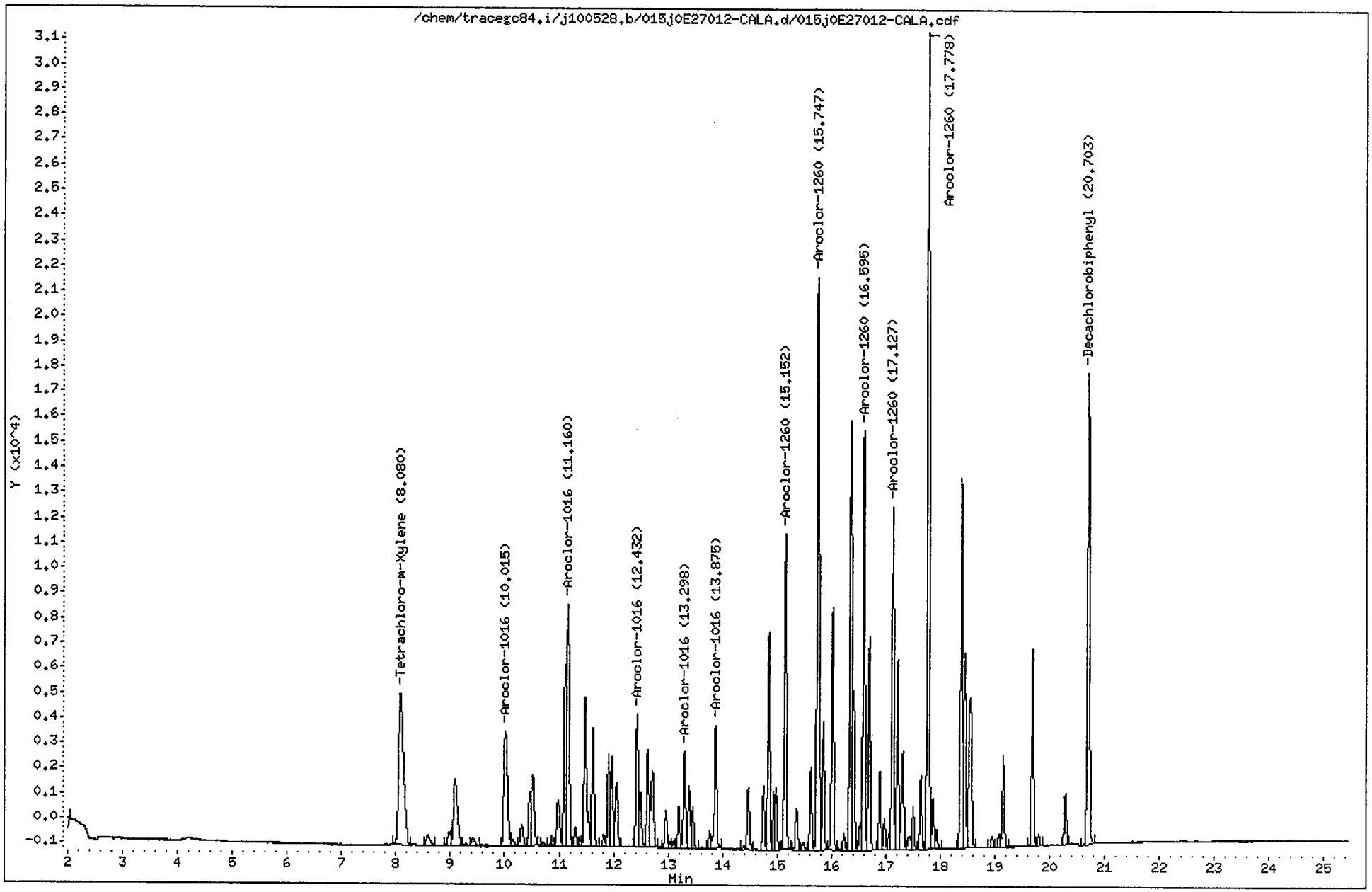
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CALA Client Smp Id : AR16605HA
Sample Type : INITIAL CAL: Level 5 Sublist : AR1660
Inj Date : 28-MAY-2010 23:36 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16605HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.44		136					
1.56		22796					
8.08	8.01 8.15	38541	522758	Tetrachloro-m-Xylene	0.080000	498913	
8.58		2097					
8.97		2115					
9.09		13363					
9.41		1315					
10.02	9.95 10.09	22577	15485	Aroclor-1016 Peak 1	1.600000	14111	
10.14		1046					
10.31		3107					
10.47		6161					
10.52		10007					
10.70		493					
10.86		130					
10.98		7446					
11.11		18142					
11.16	11.09 11.23	32256	22974	Aroclor-1016 Peak 2	1.600000	20160	
11.29		2414					
11.39		790					
11.47		21565					
11.62		14013					
11.82		1333					
11.91		10102					
11.97		10481					
12.05		8519					
12.43	12.36 12.50	15068	10563	Aroclor-1016 Peak 3	1.600000	9416.875	
12.49		6118					
12.63		10474					
12.72		12219					
12.96		4138					
13.03		666					
13.10		773					
13.20		4471					
13.30	13.23 13.37	10278	6997	Aroclor-1016 Peak 4	1.600000	6423.125	
13.39		6778					
13.45		4623					
13.76		1816					
13.88	13.81 13.95	14214	10047	Aroclor-1016 Peak 5	1.600000	8883.125	
14.39		257					
14.48		6972					
14.75		6257					
14.85		22143					

AHW
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CompuChem

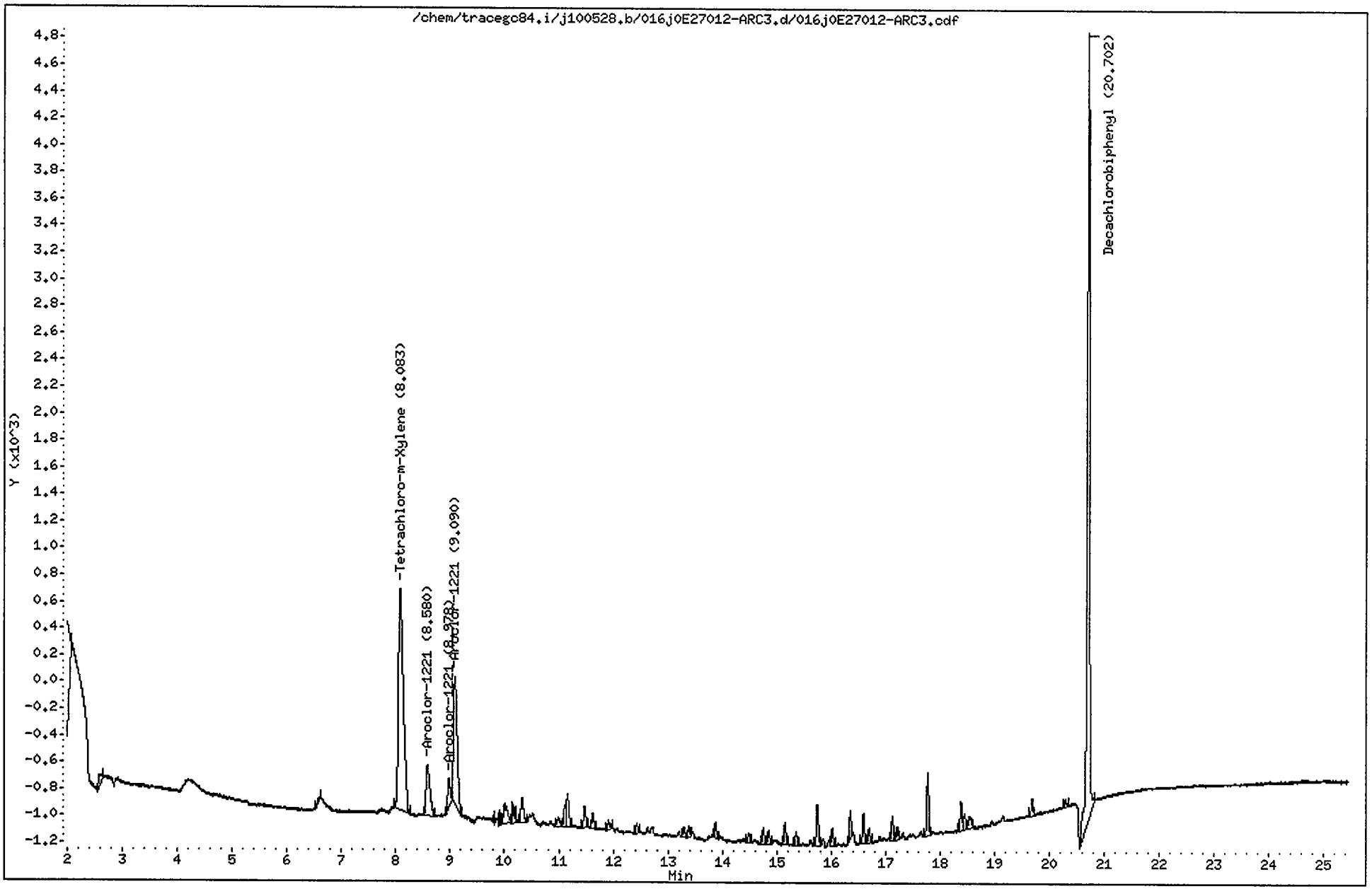
Lab Smp Id : 0E27012-CALA Client Smp Id : AR16605HA
Sample Type : INITIAL CAL: Level 5 Sublist : AR1660
Inj Date : 28-MAY-2010 23:36 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16605HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
14.94		5693					
14.98		6157					
15.15	15.08 15.22	31824	23522	Aroclor-1260 Peak 1	1.600000	19889	
15.36		4930					
15.49		1046					
15.62		8213					
15.75	15.68 15.82	64274	46694	Aroclor-1260 Peak 2	1.600000	40171	
15.85		12877					
16.02		25491					
16.13		199					
16.23		1546					
16.35		47716					
16.41		15057					
16.53		2560					
16.60	16.53 16.67	42043	30634	Aroclor-1260 Peak 3	1.600000	26276	
16.70		21872					
16.89		7781					
16.98		3167					
17.05		1430					
17.13	17.06 17.20	34976	25456	Aroclor-1260 Peak 4	1.600000	21860	
17.22		19261					
17.32		12242					
17.43		2019					
17.50		4340					
17.65		7276					
17.78	17.71 17.85	81243	57759	Aroclor-1260 Peak 5	1.600000	50777	
17.87		5164					
17.94		1884					
18.39		38185					
18.45		19689					
18.54		23668					
18.95		1141					
19.08		1255					
19.16		9881					
19.69		20464					
19.80		1193					
20.29		5262					
20.70	20.63 20.77	51898	408350	Decachlorobiphenyl	0.160000	340687	

Data File: /chem/tracegc84.i/j100528.b/016j0E27012-ARC3.d
Date : 29-MAY-2010 00:05
Client ID: AR12213HA
Sample Info: 0E27012-ARC3
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC3 Client Smp Id : AR12213HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1221
Inj Date : 29-MAY-2010 00:05 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR12213HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.56			46706					
2.59			246					
6.60			145					
8.08	8.01	8.15	10436	522758	Tetrachloro-m-Xylene	0.020000	518200	
8.58	8.51	8.65	1932	4828	Aroclor-1221 Peak 2	0.400000	4827.500	
8.98	8.91	9.05	681	1702	Aroclor-1221 Peak 3	0.400000	1702.500	
9.09	9.02	9.16	4396	10990	Aroclor-1221 Peak 4	0.400000	10990	
10.00			677					
10.15			419					
10.33			647					
10.99			266					
11.12			393					
11.16			780					
11.48			448					
11.62			347					
11.92			222					
12.44			192					
13.30			205					
13.39			169					
13.88			264					
14.48			191					
14.75			287					
14.85			245					
15.15			395					
15.35			268					
15.74			845					
16.02			328					
16.36			480					
16.59			511					
16.70			249					
17.13			433					
17.21			227					
17.78			1137					
18.38			540					
18.45			277					
18.55			314					
19.69			302					
20.29			148					
20.70	20.63	20.77	17787	408350	Decachlorobiphenyl	0.040000	403000	

AHW
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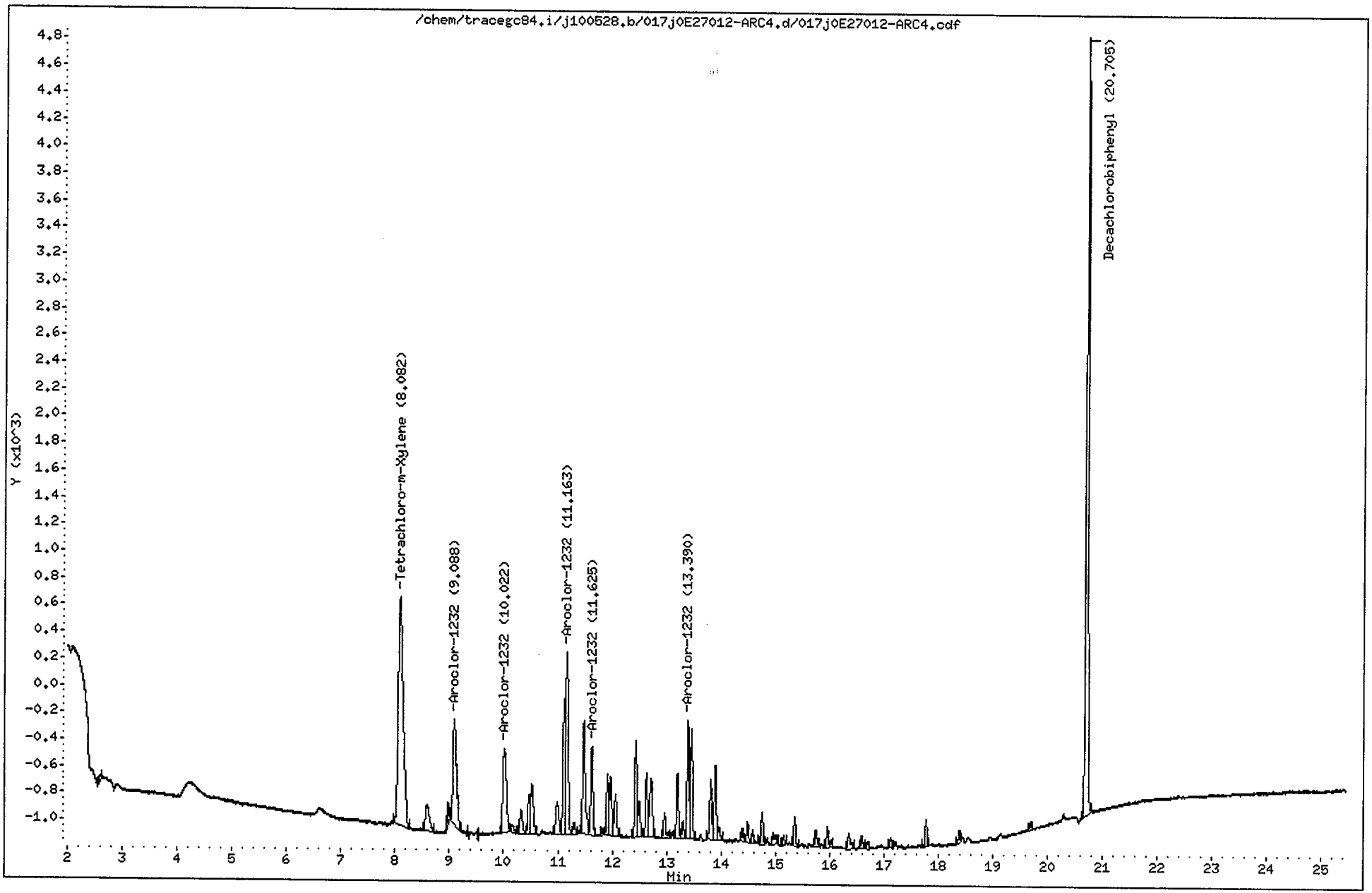
Data File: /chem/tracegc84.i/j100528.b/017j0E27012-ARC4.d
Date : 29-MAY-2010 00:34
Client ID: AR12323HA
Sample Info: 0E27012-ARC4
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC4 Client Smp Id : AR12323HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1232
Inj Date : 29-MAY-2010 00:34 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR12323HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.56		23153					
2.59		142					
8.08	8.01 8.15	10692	522758	Tetrachloro-m-Xylene	0.020000	518200	
8.59		1062					
8.97		388					
9.09	9.02 9.16	3587	8968	Aroclor-1232 Peak 1	0.400000	8967.500	
10.02	9.95 10.09	2925	7312	Aroclor-1232 Peak 2	0.400000	7312.500	
10.16		195					
10.32		666					
10.46		729					
10.52		1411					
10.99		964					
11.11		2664					
11.16	11.09 11.23	4330	10825	Aroclor-1232 Peak 3	0.400000	10825	
11.30		252					
11.48		2752					
11.62	11.56 11.70	1875	4685	Aroclor-1232 Peak 4	0.400000	4685.000	
11.83		130					
11.91		1200					
11.97		1266					
12.06		993					
12.43		1930					
12.50		704					
12.63		1233					
12.72		1571					
12.96		599					
13.20		1217					
13.30		330					
13.39	13.32 13.46	2184	5460	Aroclor-1232 Peak 5	0.400000	5460.000	
13.46		2195					
13.81		1214					
13.90		1610					
13.96		261					
14.39		229					
14.49		374					
14.59		240					
14.76		583					
14.96		323					
15.15		151					
15.36		554					
15.74		334					
15.96		451					

AHW
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CompuChem

Lab Smp Id : 0E27012-ARC4 Client Smp Id : AR12323HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1232
Inj Date : 29-MAY-2010 00:34 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR12323HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
16.36		371					
16.59		223					
16.70		121					
17.13		177					
17.78		507					
18.39		203					
19.69		148					
20.70	20.63 20.77	15922	408350	Decachlorobiphenyl	0.040000	403000	

Data File: /chem/tracegc84.i/j100528.b/018j0E27012-ARC5.d

Date : 29-MAY-2010 01:03

Client ID: AR12423HA

Sample Info: 0E27012-ARC5

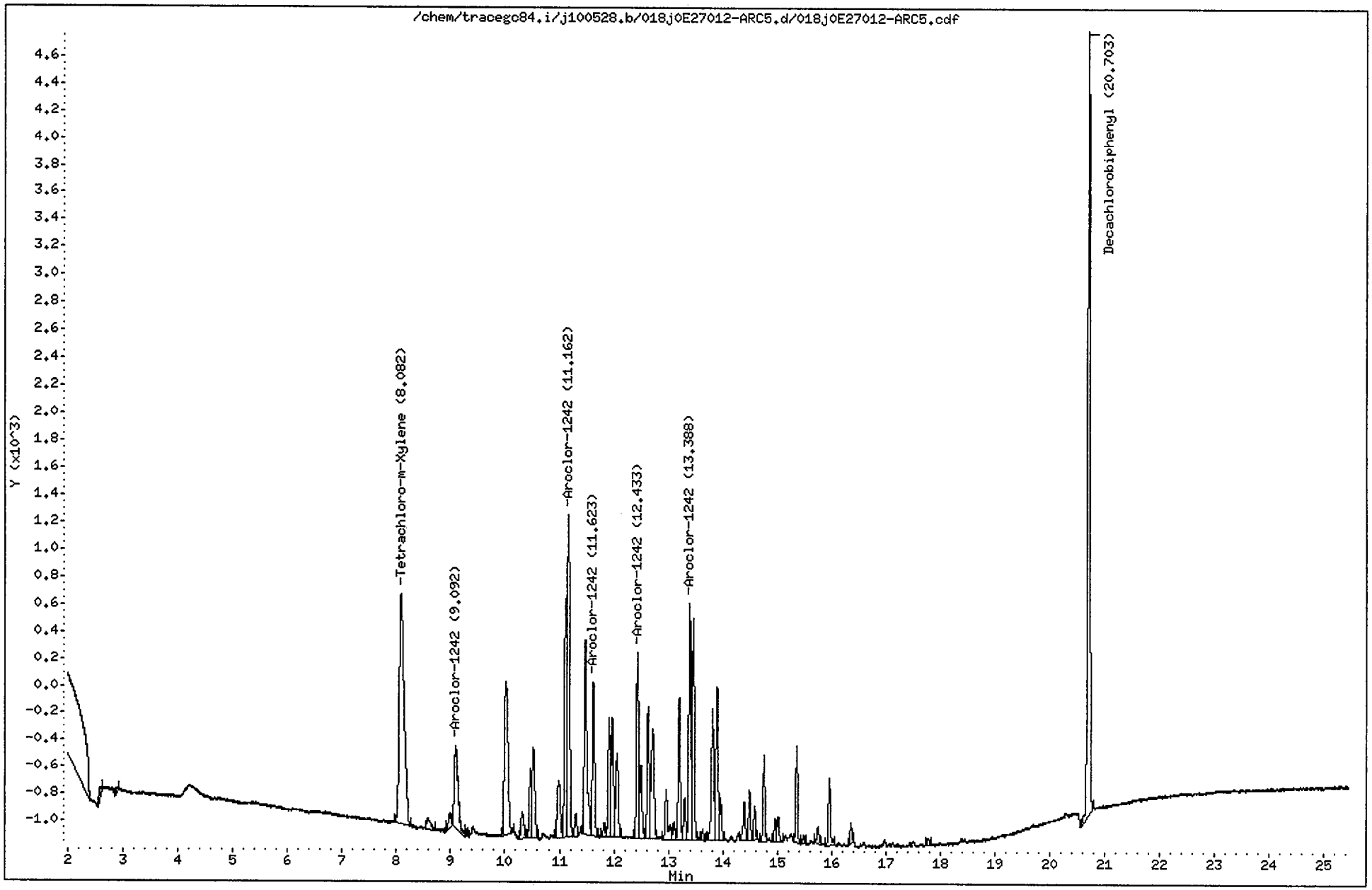
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC5 Client Smp Id : AR12423HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1242
Inj Date : 29-MAY-2010 01:03 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR12423HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.45		268					
1.57		51914					
2.59		168					
2.88		149					
8.08	8.01 8.15	10697	522758	Tetrachloro-m-Xylene	0.020000	518200	
8.58		421					
8.97		453					
9.09	9.02 9.16	2993	7480	Aroclor-1242 Peak 1	0.400000	7480.000	
10.02		5302					
10.32		672					
10.47		1415					
10.52		2363					
10.99		1671					
11.11		4527					
11.16	11.09 11.23	7642	19102	Aroclor-1242 Peak 2	0.400000	19103	
11.30		461					
11.47		4930					
11.62	11.55 11.69	3237	8092	Aroclor-1242 Peak 3	0.400000	8092.500	
11.82		273					
11.91		2376					
11.97		2518					
12.06		2001					
12.43	12.36 12.50	3706	9262	Aroclor-1242 Peak 4	0.400000	9262.500	
12.49		1438					
12.63		2561					
12.72		3057					
12.96		1275					
13.10		313					
13.20		2678					
13.30		812					
13.39	13.32 13.46	4515	11288	Aroclor-1242 Peak 5	0.400000	11287	
13.46		4257					
13.63		207					
13.81		2818					
13.89		3385					
13.96		739					
14.39		756					
14.49		883					
14.59		574					
14.76		1518					
14.96		435					
15.02		461					

AHW
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CompuChem

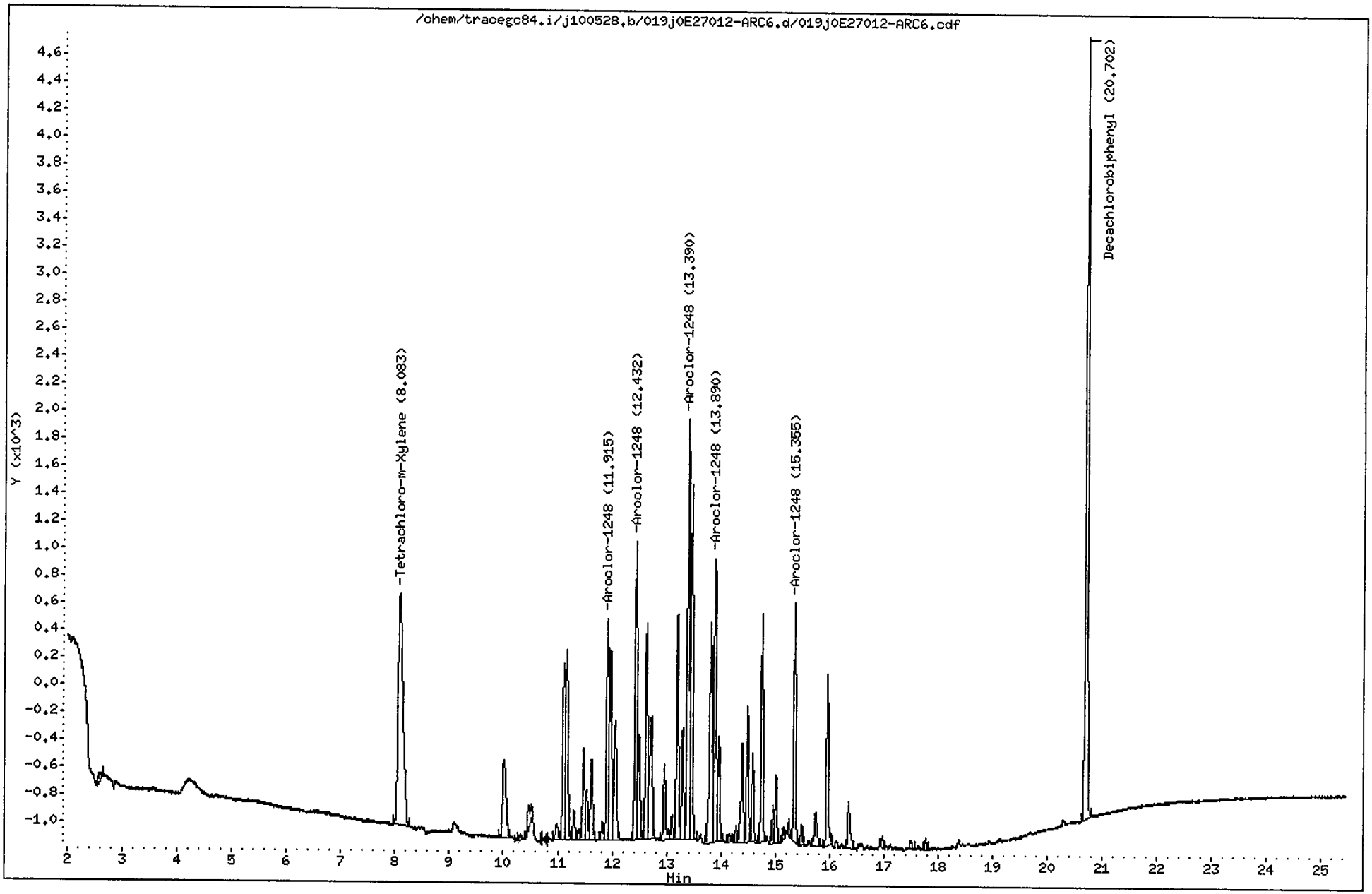
Lab Smp Id : 0E27012-ARC5 Client Smp Id : AR12423HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1242
Inj Date : 29-MAY-2010 01:03 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR12423HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.36		1704					
15.49		134					
15.74		349					
15.96		1315					
16.36		348					
17.78		130					
20.70	20.63 20.77	16204	408350	Decachlorobiphenyl	0.040000	403000	

Data File: /chem/tracegc84.i/j100528.b/019j0E27012-ARC6.d
Date : 29-MAY-2010 01:32
Client ID: AR12483HA
Sample Info: 0E27012-ARC6
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC6 Client Smp Id : AR12483HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1248
Inj Date : 29-MAY-2010 01:32 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR12483HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.57		26123					
2.59		199					
8.08	8.01 8.15	10582	522758	Tetrachloro-m-Xylene	0.020000	518200	
10.01		2614					
10.31		167					
10.47		703					
10.98		429					
11.11		3552					
11.16		4295					
11.30		638					
11.39		196					
11.48		1916					
11.53		1037					
11.63		1672					
11.82		396					
11.92	11.84 11.98	4449	11120	Aroclor-1248 Peak 1	0.400000	11120	
11.97		3850					
12.05		2890					
12.43	12.36 12.50	5968	14920	Aroclor-1248 Peak 2	0.400000	14920	
12.50		2000					
12.63		4254					
12.72		3299					
12.96		1648					
13.11		452					
13.20		4311					
13.30		2178					
13.39	13.32 13.46	8089	20220	Aroclor-1248 Peak 3	0.400000	20220	
13.46		6838					
13.81		5073					
13.89	13.82 13.96	6583	16458	Aroclor-1248 Peak 4	0.400000	16457	
13.96		1985					
14.16		160					
14.28		317					
14.39		2093					
14.49		2431					
14.58		1625					
14.76		4083					
14.96		726					
15.02		1270					
15.15		206					
15.25		263					
15.36	15.29 15.43	4153	10382	Aroclor-1248 Peak 5	0.400000	10383	

AHW
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CompuChem

Lab Smp Id : 0E27012-ARC6 Client Smp Id : AR12483HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1248
Inj Date : 29-MAY-2010 01:32 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR12483HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.49			369					
15.75			890					
15.96			3202					
16.36			1104					
16.98			203					
17.50			168					
17.77			204					
20.70	20.63	20.77	15735	408350	Decachlorobiphenyl	0.040000	403000	

Data File: /chem/tracegc84.i/j100528.b/020j0E27012-ARC7.d

Page 1

Date : 29-MAY-2010 02:01

Client ID: AR12543HA

Instrument: tracegc84.i

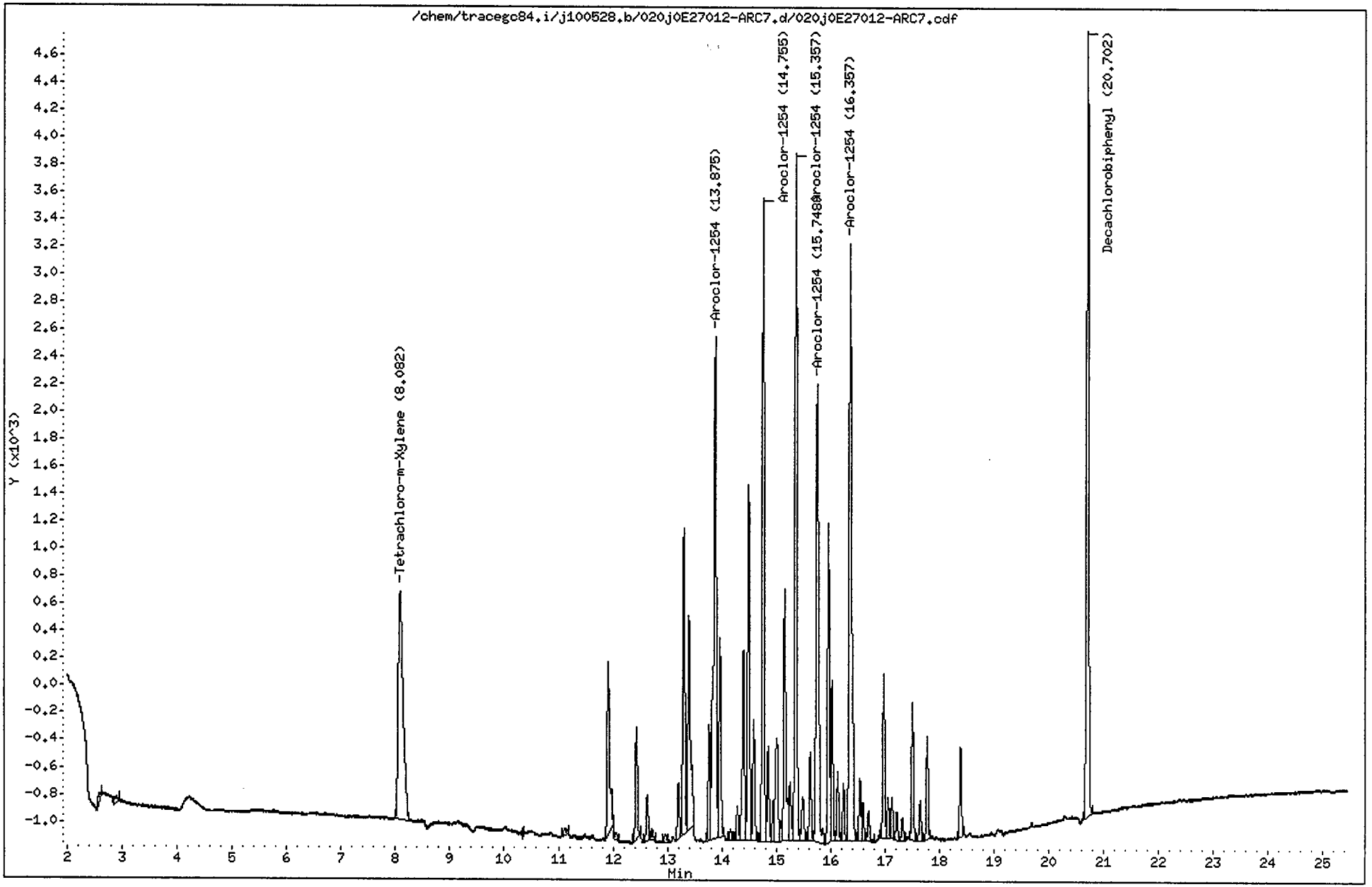
Sample Info: 0E27012-ARC7

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC7 Client Smp Id : AR12543HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1254
Inj Date : 29-MAY-2010 02:01 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR12543HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.57		3467					
2.60		226					
2.88		166					
8.08	8.01 8.15	10470	522758	Tetrachloro-m-Xylene	0.020000	518200	
11.11		211					
11.91		3962					
12.05		128					
12.43		2100					
12.63		859					
12.72		192					
12.96		157					
13.20		1002					
13.30		5700					
13.39		5431					
13.77		2080					
13.88	13.80 13.94	12324	30808	Aroclor-1254 Peak 1	0.400000	30807	
13.96		3770					
14.16		194					
14.28		607					
14.39		3914					
14.49		6797					
14.58		2204					
14.76	14.69 14.83	11839	29595	Aroclor-1254 Peak 2	0.400000	29595	
14.85		1701					
14.94		672					
15.01		2782					
15.08		305					
15.15		5184					
15.25		1211					
15.36	15.29 15.43	12857	32140	Aroclor-1254 Peak 3	0.400000	32140	
15.49		979					
15.63		1563					
15.75	15.68 15.82	11314	28282	Aroclor-1254 Peak 4	0.400000	28283	
15.96		5720					
16.02		2833					
16.13		1225					
16.23		983					
16.36	16.29 16.43	14550	36372	Aroclor-1254 Peak 5	0.400000	36373	
16.54		1171					
16.59		635					
16.70		560					
16.98		2984					

AHW
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CompuChem

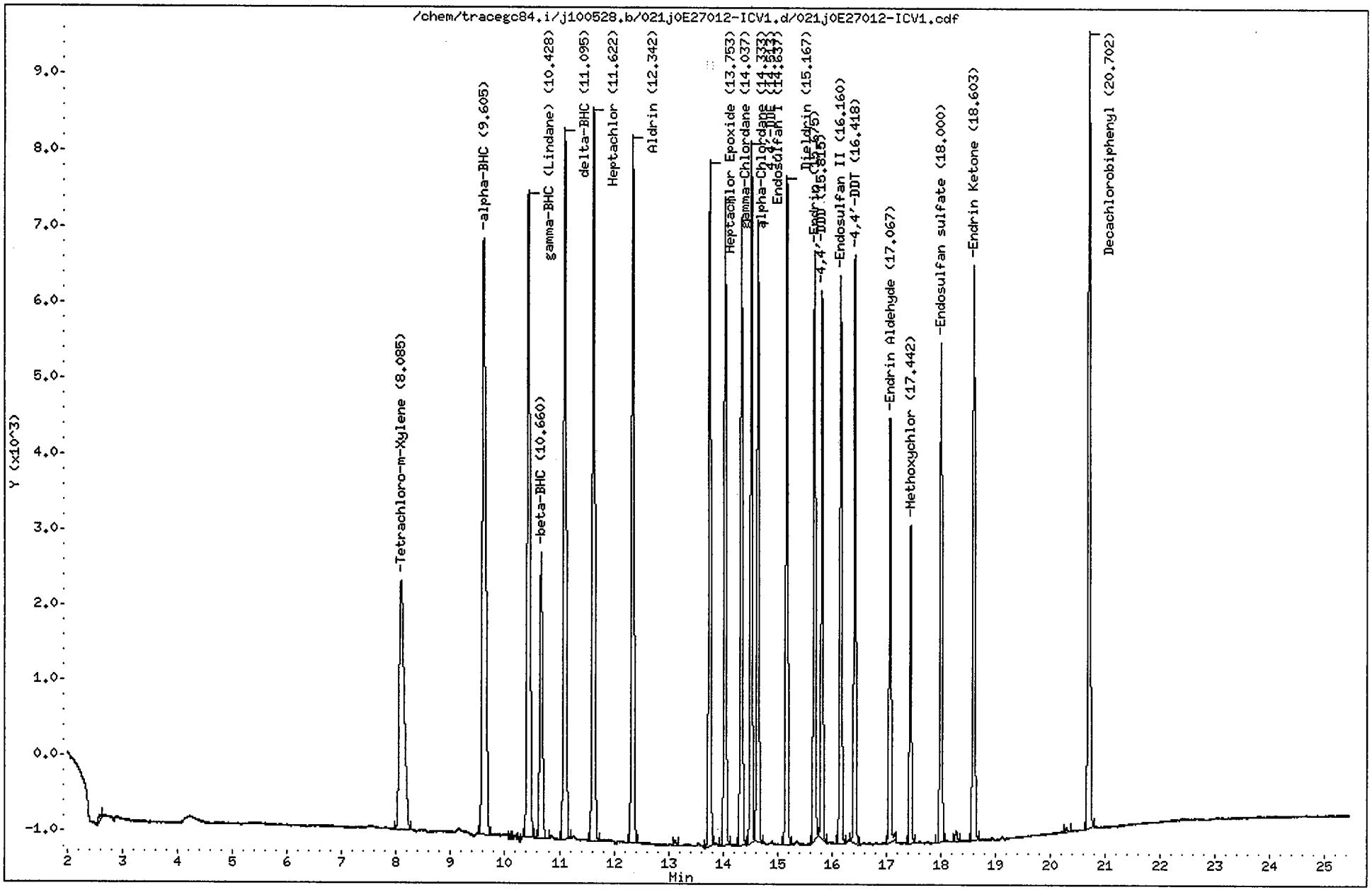
Lab Smp Id : 0E27012-ARC7 Client Smp Id : AR12543HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1254
Inj Date : 29-MAY-2010 02:01 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR12543HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
17.06		685					
17.13		691					
17.21		479					
17.32		400					
17.51		2421					
17.65		710					
17.78		1824					
18.39		1563					
20.70	20.63 20.77	15780	408350	Decachlorobiphenyl	0.040000	403000	

Data File: /chem/tracegc84.i/j100528.b/021j0E27012-ICV1.d
Date : 29-MAY-2010 02:30
Client ID: PESTCHKHA
Sample Info: 0E27012-ICV1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ICV1 Client Smp Id : PESTCHKHA
Sample Type : QCCHECK Sublist : INDA
Inj Date : 29-MAY-2010 02:30 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : INDAchek
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : PESTCHKHA

RT	AREA
1.45	168
1.56	2609
2.59	185
8.09	20838
9.61	33942
10.07	164
10.43	30684
10.66	12917
11.10	30106
11.62	30001
12.34	27087
13.12	178
13.75	24133
14.04	22702
14.33	21763
14.51	22736
14.64	21593
15.17	22758
15.68	19965
15.81	17360
16.16	19654
16.42	18918
17.07	14675
17.44	10202
18.00	17176
18.28	398
18.60	20204
20.29	150
20.70	29005

AHW
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Data File: /chem/tracegc84.i/j100528.b/022j0E27012-ICV2.d

Date : 29-MAY-2010 02:59

Client ID: PCBCHKHA

Sample Info: 0E27012-ICV2

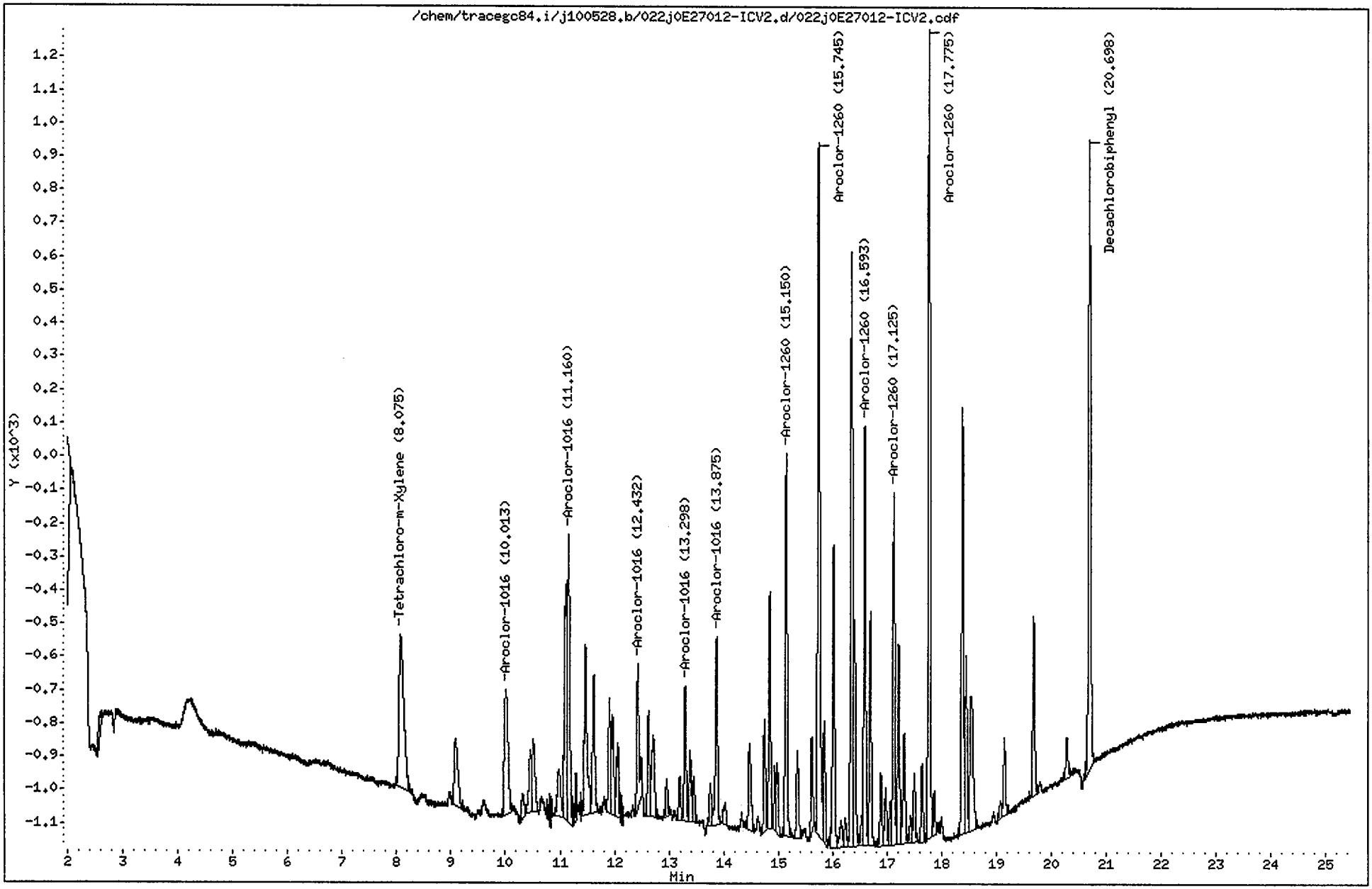
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ICV2 Client Smp Id : PCBCHKHA
Sample Type : QCCHECK Sublist : AR1660
Inj Date : 29-MAY-2010 02:59 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : AR1660OVchk
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : PCBCHKHA

RT	AREA
1.44	148
1.55	28239
2.61	180
8.07	2833
9.09	935
10.01	1774
10.32	262
10.46	595
10.52	780
10.98	605
11.12	1964
11.16	2804
11.31	251
11.47	1783
11.63	1199
11.91	764
11.97	958
12.06	674
12.43	1335
12.63	810
12.72	939
12.95	279
13.20	338
13.30	1039
13.39	557
13.46	354
13.76	334
13.87	1523
14.00	217
14.48	843
14.75	783
14.85	1665
14.94	433
14.98	491
15.15	2903
15.36	718
15.62	648
15.74	5974
15.85	942
16.02	2326
16.16	291
16.23	215
16.35	4828
16.41	1636
16.54	191

AHW
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CompuChem

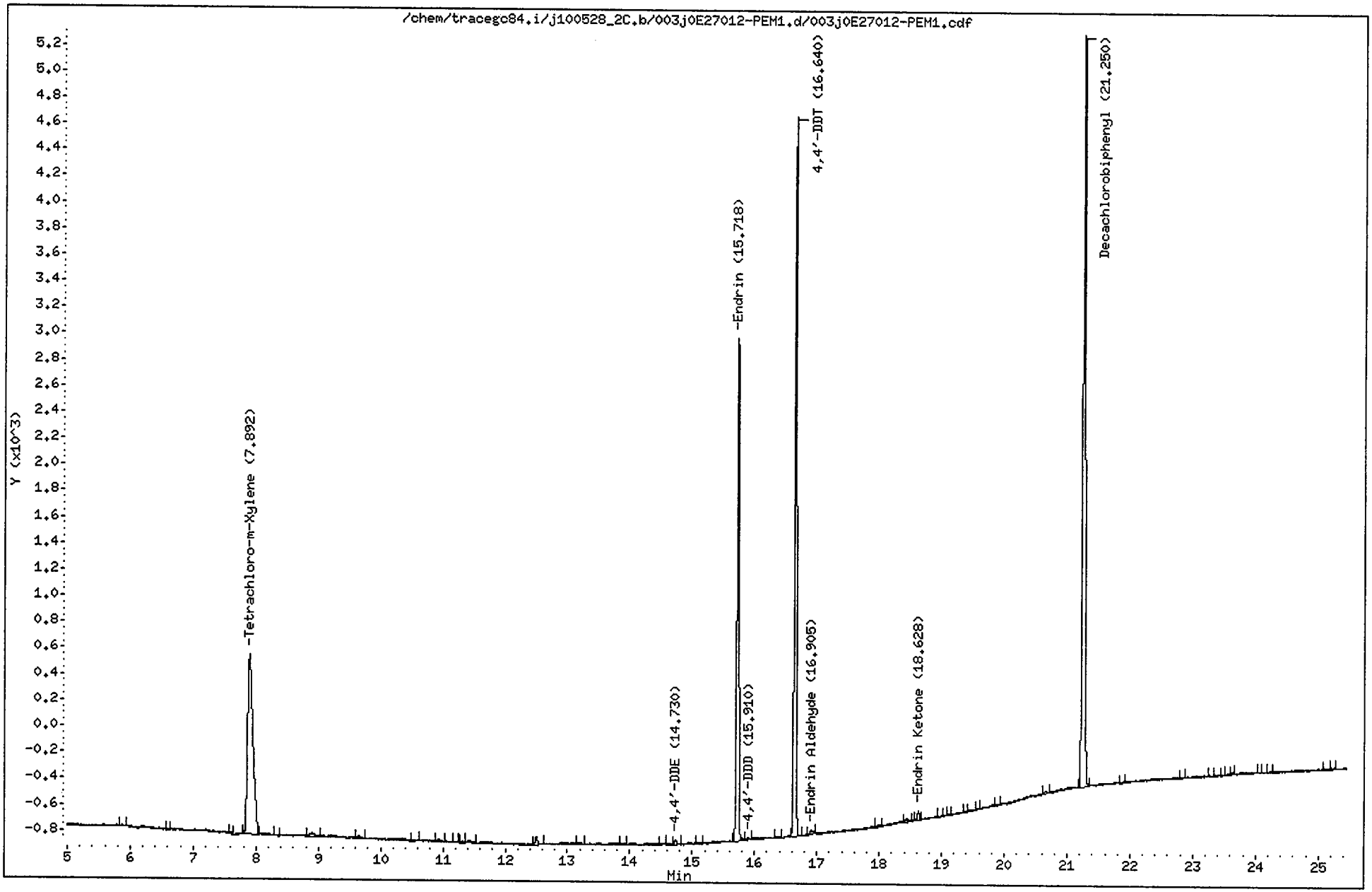
Lab Smp Id : 0E27012-ICV2 Client Smp Id : PCBCHKHA
Sample Type : QCCHECK Sublist : AR1660
Inj Date : 29-MAY-2010 02:59 Inst ID :
Operator : AHW Spike Sublist : AR1660OVchk
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : PCBCHKHA

RT	AREA
16.59	3115
16.70	1706
16.89	547
16.98	453
17.06	313
17.13	2630
17.21	1466
17.32	945
17.43	235
17.50	509
17.64	566
17.77	6042
17.87	287
18.39	3239
18.45	1267
18.54	1739
19.07	133
19.15	605
19.68	1320
20.29	320
20.70	5181

Data File: /chem/tracegc84.i/j100528_2C.b/003j0E27012-PEM1.d
Date : 28-MAY-2010 17:49
Client ID: PEMHA
Sample Info: 0E27012-PEM1
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc84.i

Operator: System
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-PEM1 Client Smp Id : PEMHA
Sample Type : SAMPLE Sublist : PEM
Inj Date : 28-MAY-2010 17:49 Inst ID : TRACEGC84
Operator : System
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : PEMHA

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
0.33			46								
0.39			31								
1.04			46								
1.40			153								
1.54			18183								
1.87			12847								
2.51			425								
2.64			78								
3.38			29								
3.43			32								
3.47			85								
4.40			27								
5.87			29								
6.60			22								
7.59			38								
7.89	7.82	7.96	8163	416798	Tetrachloro-m-Xylene	0.019585	0.019585		98.9	43 - 135	
8.30			22								
8.90			131								
9.64			83								
10.50			31								
10.92			73								
11.19			23								
11.32			29								
11.42			65								
12.50			174								
13.20			44								
13.91			43								
14.52			32								
14.73	14.67	14.81	94	468602	4,4'-DDE	0.000202	0.000202	0.020000			J
15.13			32								
15.72	15.65	15.79	8924	408649	Endrin	0.021839	0.021839	0.020000			
15.91	15.91	16.05	31	340626	4,4'-DDD	0.000090	0.000090	0.020000			J
16.35			38								
16.64	16.57	16.71	11745	405929	4,4'-DDT	0.028933	0.028933	0.020000			
16.90	16.83	16.97	101	316985	Endrin Aldehyde	0.000317	0.000317	0.020000			J
18.02			40								
18.43			82								

AHW
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CompuChem

Lab Smp Id : 0E27012-PEM1 Client Smp Id : PEMHA
Sample Type : SAMPLE Sublist : PEM
Inj Date : 28-MAY-2010 17:49 Inst ID :
Operator : System
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : PEMHA

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

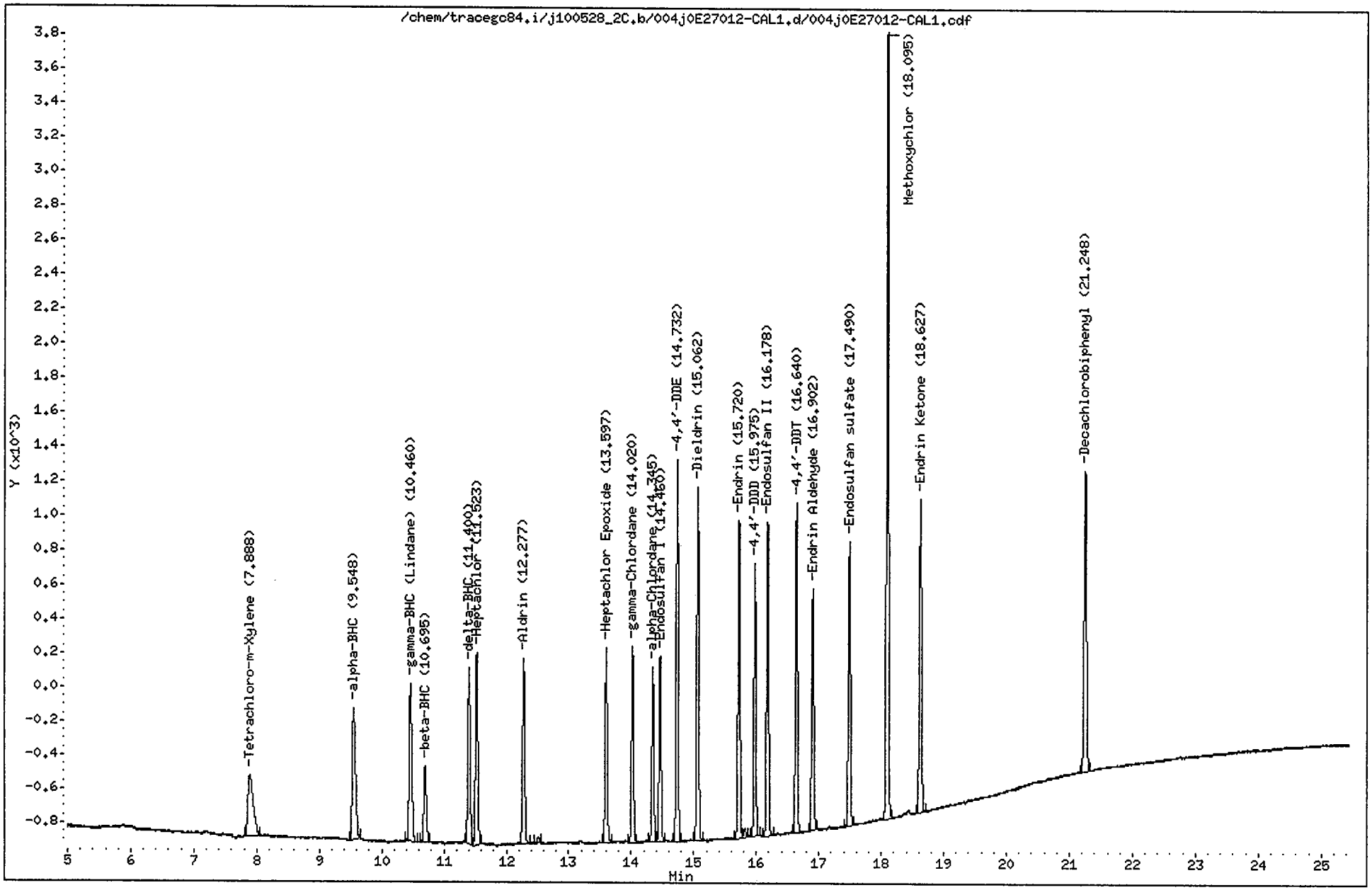
DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
18.63	18.56 18.70	175	419519	Endrin Ketone	0.000416	0.000416	0.020000			J
19.02		24								
19.11		24								
19.38		24								
19.59		21								
19.89		23								
20.65		75								
21.25	21.18 21.32	15537	406698	Decachlorobiphenyl	0.038202	0.038202		96.5	43 - 144	
21.86		24								
22.82		29								
23.27		32								
23.47		21								
23.61		22								
24.05		21								
24.23		24								
25.12		27								
25.21		34								

Data File: /chem/tracegc84.i/j100528_2C.b/004j0E27012-CAL1.d
Date : 28-MAY-2010 18:18
Client ID: INDC1HA
Sample Info: 0E27012-CAL1
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL1 Client Smp Id : INDC1HA
Sample Type : INITIAL CAL: Level 1 Sublist : INDA
Inj Date : 28-MAY-2010 18:18 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : INDC1HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.55			166382					
7.89	7.82	7.96	2147	416798	Tetrachloro-m-Xylene	0.005000	429200	
9.55	9.48	9.62	2811	607758	alpha-BHC	0.005000	562000	
10.46	10.39	10.53	2794	585542	gamma-BHC (Lindane)	0.005000	558800	
10.70	10.63	10.77	1258	248610	beta-BHC	0.005000	251400	
11.40	11.33	11.47	2626	551235	delta-BHC	0.005000	525200	
11.52	11.45	11.59	3024	579497	Heptachlor	0.005500	549636	
12.28	12.21	12.35	2716	542192	Aldrin	0.005000	543000	
12.50			97					
13.60	13.53	13.67	2645	511912	Heptachlor Epoxide	0.005000	529000	
14.02	13.95	14.09	2635	513150	gamma-Chlordane	0.005000	526800	
14.34	14.28	14.42	2318	446248	alpha-Chlordane	0.005000	463600	
14.46	14.39	14.53	2487	477982	Endosulfan I	0.005000	497200	
14.73	14.66	14.80	4824	468602	4,4'-DDE	0.010000	482400	
15.06	14.99	15.13	4658	461929	Dieldrin	0.010000	465800	
15.72	15.65	15.79	4218	408649	Endrin	0.010000	421800	
15.82			116					
15.98	15.90	16.04	3337	340626	4,4'-DDD	0.010000	333600	
16.18	16.11	16.25	4221	404930	Endosulfan II	0.010000	422000	
16.64	16.57	16.71	4145	405929	4,4'-DDT	0.010000	414500	
16.90	16.83	16.97	3257	316985	Endrin Aldehyde	0.010000	325700	
17.49	17.42	17.56	3848	366674	Endosulfan sulfate	0.010000	384700	
18.10	18.02	18.16	10091	182916	Methoxychlor	0.050000	201820	
18.63	18.56	18.70	4349	419519	Endrin Ketone	0.010000	434900	
21.25	21.18	21.32	4660	406698	Decachlorobiphenyl	0.010000	466000	

AHW
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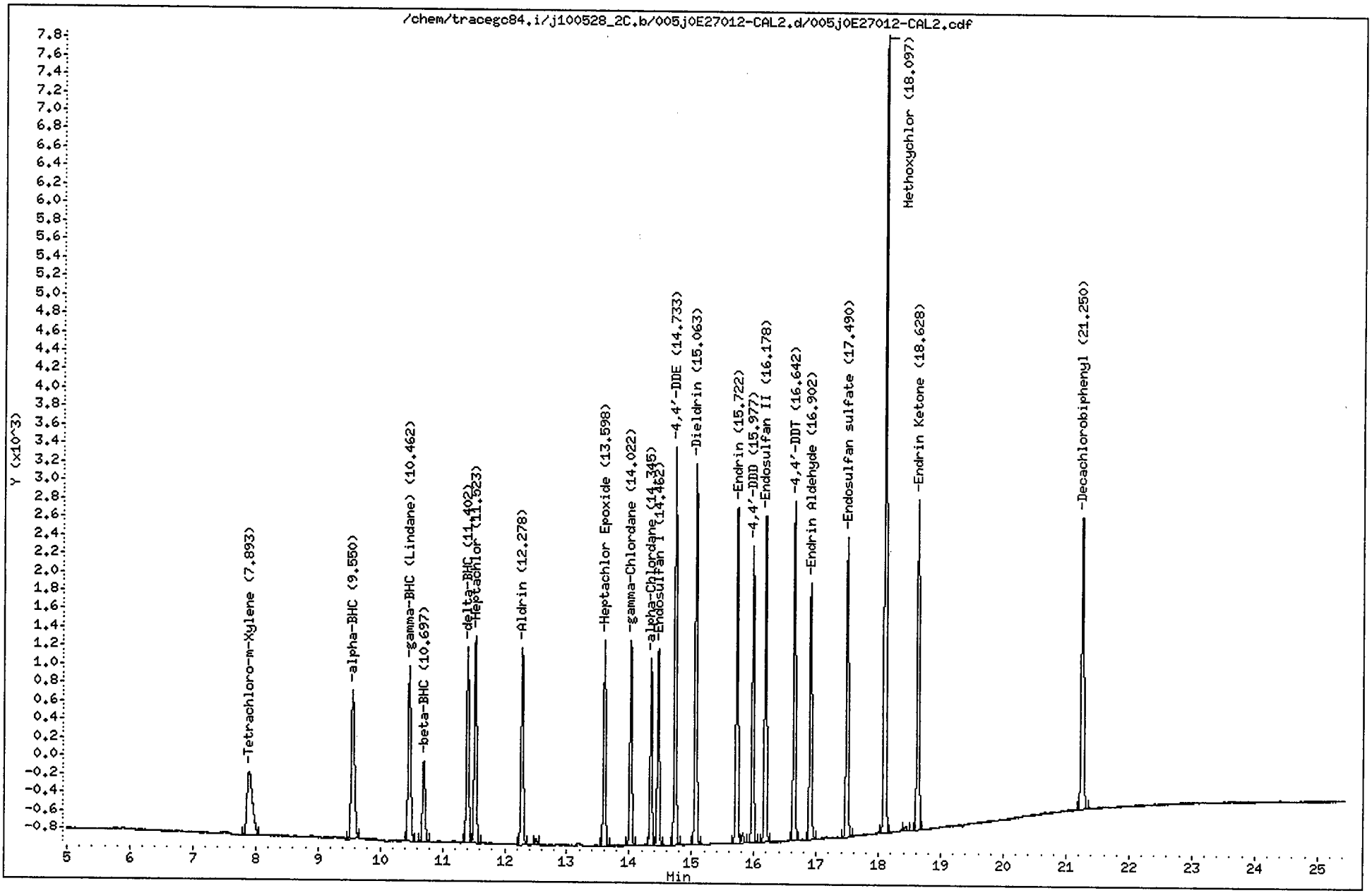
Data File: /chem/tracegc84.i/j100528_2C.b/005j0E27012-CAL2.d
Date : 28-MAY-2010 18:47
Client ID: INDC2HA
Sample Info: 0E27012-CAL2
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL2 Client Smp Id : INDC2HA
Sample Type : INITIAL CAL: Level 2 Sublist : INDA
Inj Date : 28-MAY-2010 18:47 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : INDC2HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.53			2120					
2.52			304					
7.89	7.82	7.96	4247	416798	Tetrachloro-m-Xylene	0.010000	424600	
9.55	9.48	9.62	5894	607758	alpha-BHC	0.010000	589300	
10.46	10.39	10.53	5716	585542	gamma-BHC (Lindane)	0.010000	571500	
10.70	10.63	10.77	2564	248610	beta-BHC	0.010000	256400	
11.40	11.33	11.47	5349	551235	delta-BHC	0.010000	534800	
11.52	11.45	11.59	5947	579497	Heptachlor	0.010000	594700	
12.28	12.21	12.35	5435	542192	Aldrin	0.010000	543500	
12.50			161					
13.60	13.53	13.67	5194	511912	Heptachlor Epoxide	0.010000	519400	
14.02	13.95	14.09	5210	513150	gamma-Chlordane	0.010000	521000	
14.34	14.28	14.42	4548	446248	alpha-Chlordane	0.010000	454800	
14.46	14.39	14.53	4888	477982	Endosulfan I	0.010000	488700	
14.73	14.66	14.80	9552	468602	4,4'-DDE	0.020000	477550	
15.06	14.99	15.13	9337	461929	Dieldrin	0.020000	466850	
15.72	15.65	15.79	8306	408649	Endrin	0.020000	415300	
15.82			244					
15.98	15.90	16.04	6800	340626	4,4'-DDD	0.020000	340000	
16.18	16.11	16.25	8219	404930	Endosulfan II	0.020000	410950	
16.64	16.57	16.71	8173	405929	4,4'-DDT	0.020000	408650	
16.90	16.83	16.97	6539	316985	Endrin Aldehyde	0.020000	326950	
17.49	17.42	17.56	7594	366674	Endosulfan sulfate	0.020000	379650	
18.10	18.02	18.16	19317	182916	Methoxychlor	0.100000	193160	
18.43			117					
18.63	18.56	18.70	8591	419519	Endrin Ketone	0.020000	429550	
21.25	21.18	21.32	8657	406698	Decachlorobiphenyl	0.020000	432800	

AHW
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Data File: /chem/tracegc84.i/j100528_2C.b/006j0E27012-CAL3.d

Date : 28-MAY-2010 19:16

Client ID: INDC3HA

Instrument: tracegc84.i

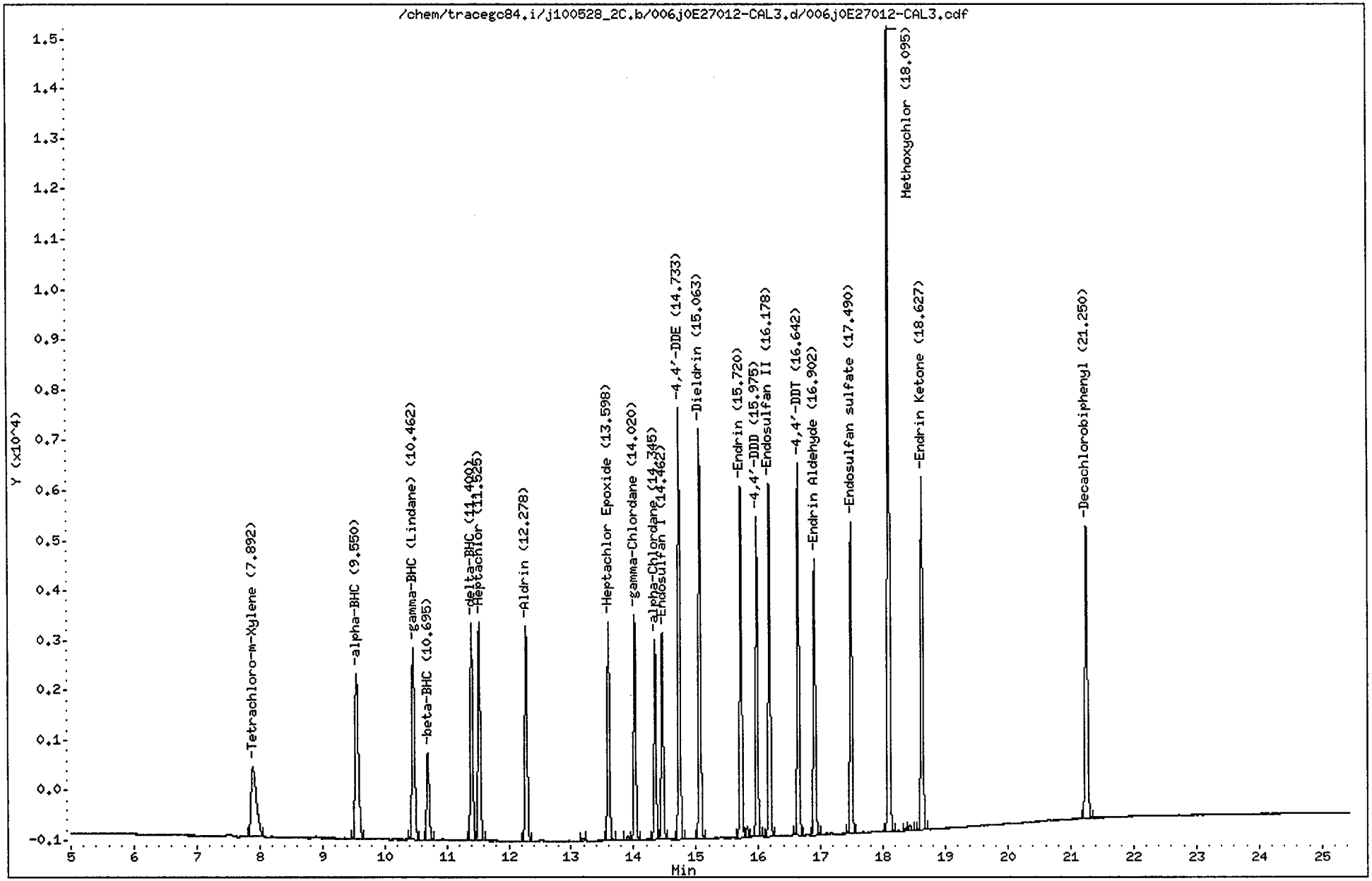
Sample Info: 0E27012-CAL3

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL3 Client Smp Id : INDC3HA
Sample Type : INITIAL CAL: Level 3 Sublist : INDA
Inj Date : 28-MAY-2010 19:16 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.55			9200					
7.89	7.82	7.96	8217	416798	Tetrachloro-m-Xylene	0.020000	410850	
9.55	9.48	9.62	12016	607758	alpha-BHC	0.020000	600750	
10.46	10.39	10.53	11630	585542	gamma-BHC (Lindane)	0.020000	581500	
10.70	10.63	10.77	4934	248610	beta-BHC	0.020000	246700	
11.40	11.33	11.47	10892	551235	delta-BHC	0.020000	544550	
11.52	11.45	11.59	11696	579497	Heptachlor	0.020000	584800	
12.28	12.21	12.35	10756	542192	Aldrin	0.020000	537750	
13.19			100					
13.60	13.53	13.67	10199	511912	Heptachlor Epoxide	0.020000	509950	
13.90			176					
14.02	13.95	14.09	10171	513150	gamma-Chlordane	0.020000	508500	
14.34	14.28	14.42	8836	446248	alpha-Chlordane	0.020000	441750	
14.46	14.39	14.53	9497	477982	Endosulfan I	0.020000	474850	
14.73	14.66	14.80	18602	468602	4,4'-DDE	0.040000	465050	
15.06	14.99	15.13	18401	461929	Dieldrin	0.040000	460025	
15.72	15.65	15.79	16199	408649	Endrin	0.040000	404950	
15.82			464					
15.98	15.90	16.04	13584	340626	4,4'-DDD	0.040000	339575	
16.18	16.11	16.25	16125	404930	Endosulfan II	0.040000	403100	
16.64	16.57	16.71	16039	405929	4,4'-DDT	0.040000	400975	
16.90	16.83	16.97	12919	316985	Endrin Aldehyde	0.040000	322975	
17.49	17.42	17.56	14549	366674	Endosulfan sulfate	0.040000	363725	
18.10	18.02	18.16	36356	182916	Methoxychlor	0.200000	181780	
18.37			120					
18.44			273					
18.63	18.56	18.70	16766	419519	Endrin Ketone	0.040000	419150	
21.25	21.18	21.32	16045	406698	Decachlorobiphenyl	0.040000	401125	

AHW
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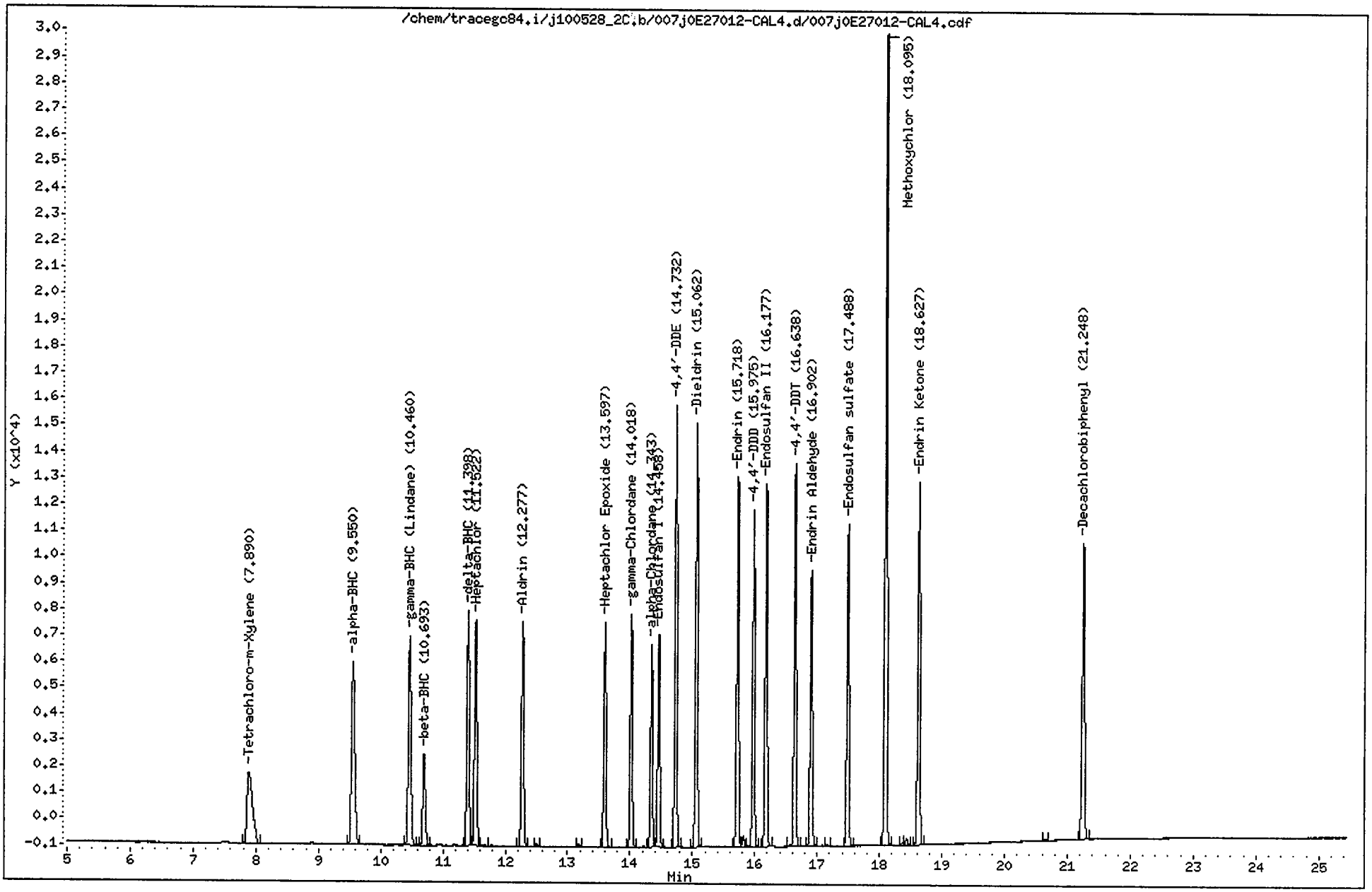
Data File: /chem/tracegc84.i/j100528_2C.b/007j0E27012-CAL4.d
Date : 28-MAY-2010 19:45
Client ID: INDC4HA
Sample Info: 0E27012-CAL4
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL4 Client Smp Id : INDC4HA
Sample Type : INITIAL CAL: Level 4 Sublist : INDA
Inj Date : 28-MAY-2010 19:45 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : INDC4HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.53			1592					
1.89			111					
7.89	7.82	7.96	16462	416798	Tetrachloro-m-Xylene	0.040000	411550	
9.55	9.48	9.62	25250	607758	alpha-BHC	0.040000	631250	
10.46	10.39	10.53	24030	585542	gamma-BHC (Lindane)	0.040000	600750	
10.69	10.63	10.77	9831	248610	beta-BHC	0.040000	245775	
11.40	11.33	11.47	22708	551235	delta-BHC	0.040000	567700	
11.52	11.45	11.59	23390	579497	Heptachlor	0.040000	584750	
11.65			96					
12.28	12.21	12.35	21683	542192	Aldrin	0.040000	542075	
12.51			211					
13.18			211					
13.60	13.53	13.67	20154	511912	Heptachlor Epoxide	0.040000	503825	
14.02	13.95	14.09	20242	513150	gamma-Chlordane	0.040000	506025	
14.34	14.28	14.42	17517	446248	alpha-Chlordane	0.040000	437925	
14.46	14.39	14.53	18759	477982	Endosulfan I	0.040000	468950	
14.73	14.66	14.80	36881	468602	4,4'-DDE	0.080000	461000	
15.06	14.99	15.13	36815	461929	Dieldrin	0.080000	460187	
15.72	15.65	15.79	32210	408649	Endrin	0.080000	402613	
15.81			989					
15.90			118					
15.98	15.90	16.04	27530	340626	4,4'-DDD	0.080000	344113	
16.18	16.11	16.25	31797	404930	Endosulfan II	0.080000	397450	
16.64	16.57	16.71	32317	405929	4,4'-DDT	0.080000	403963	
16.90	16.83	16.97	24671	316985	Endrin Aldehyde	0.080000	308375	
17.16			112					
17.49	17.42	17.56	28535	366674	Endosulfan sulfate	0.080000	356675	
18.10	18.02	18.16	69200	182916	Methoxychlor	0.400000	172997	
18.37			235					
18.43			514					
18.63	18.56	18.70	32900	419519	Endrin Ketone	0.080000	411237	
20.65			108					
21.25	21.18	21.32	30128	406698	Decachlorobiphenyl	0.080000	376587	

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Data File: /chem/tracegc84.i/j100528_2C.b/008j0E27012-CAL5.d

Page 1

Date : 28-MAY-2010 20:14

Client ID: INDC5HA

Instrument: tracegc84.i

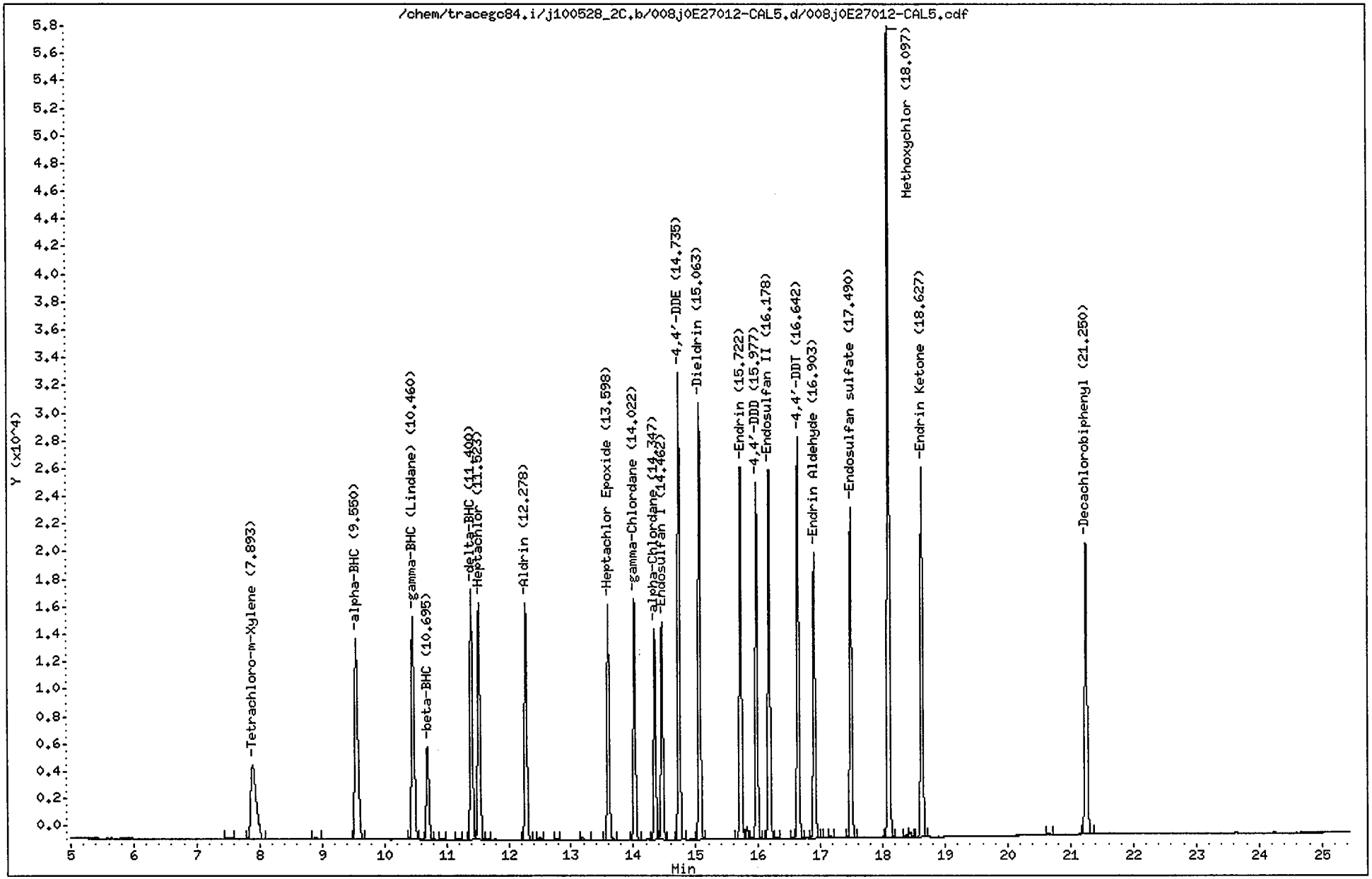
Sample Info: 0E27012-CAL5

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL5 Client Smp Id : INDC5HA
Sample Type : INITIAL CAL: Level 5 Sublist : INDA
Inj Date : 28-MAY-2010 20:14 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : INDC5HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.54			2486					
2.53			230					
7.51			428					
7.89	7.82	7.96	32623	416798	Tetrachloro-m-Xylene	0.080000	407787	
8.90			328					
9.55	9.48	9.62	52439	607758	alpha-BHC	0.080000	655487	
10.46	10.39	10.53	49213	585542	gamma-BHC (Lindane)	0.080000	615163	
10.70	10.63	10.77	19423	248610	beta-BHC	0.080000	242775	
10.93			190					
11.19			147					
11.40	11.33	11.47	46715	551235	delta-BHC	0.080000	583925	
11.52	11.45	11.59	46688	579497	Heptachlor	0.080000	583600	
11.65			184					
12.28	12.21	12.35	43572	542192	Aldrin	0.080000	544637	
12.50			437					
12.77			133					
13.19			519					
13.60	13.53	13.67	39791	511912	Heptachlor Epoxide	0.080000	497387	
14.02	13.95	14.09	40275	513150	gamma-Chlordane	0.080000	503425	
14.35	14.28	14.42	34653	446248	alpha-Chlordane	0.080000	433163	
14.46	14.39	14.53	36817	477982	Endosulfan I	0.080000	460213	
14.74	14.66	14.80	73122	468602	4,4'-DDE	0.160000	457013	
15.06	14.99	15.13	73085	461929	Dieldrin	0.160000	456781	
15.72	15.65	15.79	63773	408649	Endrin	0.160000	398581	
15.82			1952					
15.91			219					
15.98	15.90	16.04	55335	340626	4,4'-DDD	0.160000	345844	
16.18	16.11	16.25	62585	404930	Endosulfan II	0.160000	391150	
16.30			151					
16.58			211					
16.64	16.57	16.71	64250	405929	4,4'-DDT	0.160000	401556	
16.90	16.83	16.97	48148	316985	Endrin Aldehyde	0.160000	300925	
17.09			129					
17.16			257					
17.49	17.42	17.56	55780	366674	Endosulfan sulfate	0.160000	348619	
18.10	18.02	18.16	131857	182916	Methoxychlor	0.800000	164821	
18.37			461					
18.43			964					
18.63	18.56	18.70	64442	419519	Endrin Ketone	0.160000	402756	
20.65			203					
21.25	21.18	21.32	57117	406698	Decachlorobiphenyl	0.160000	356975	

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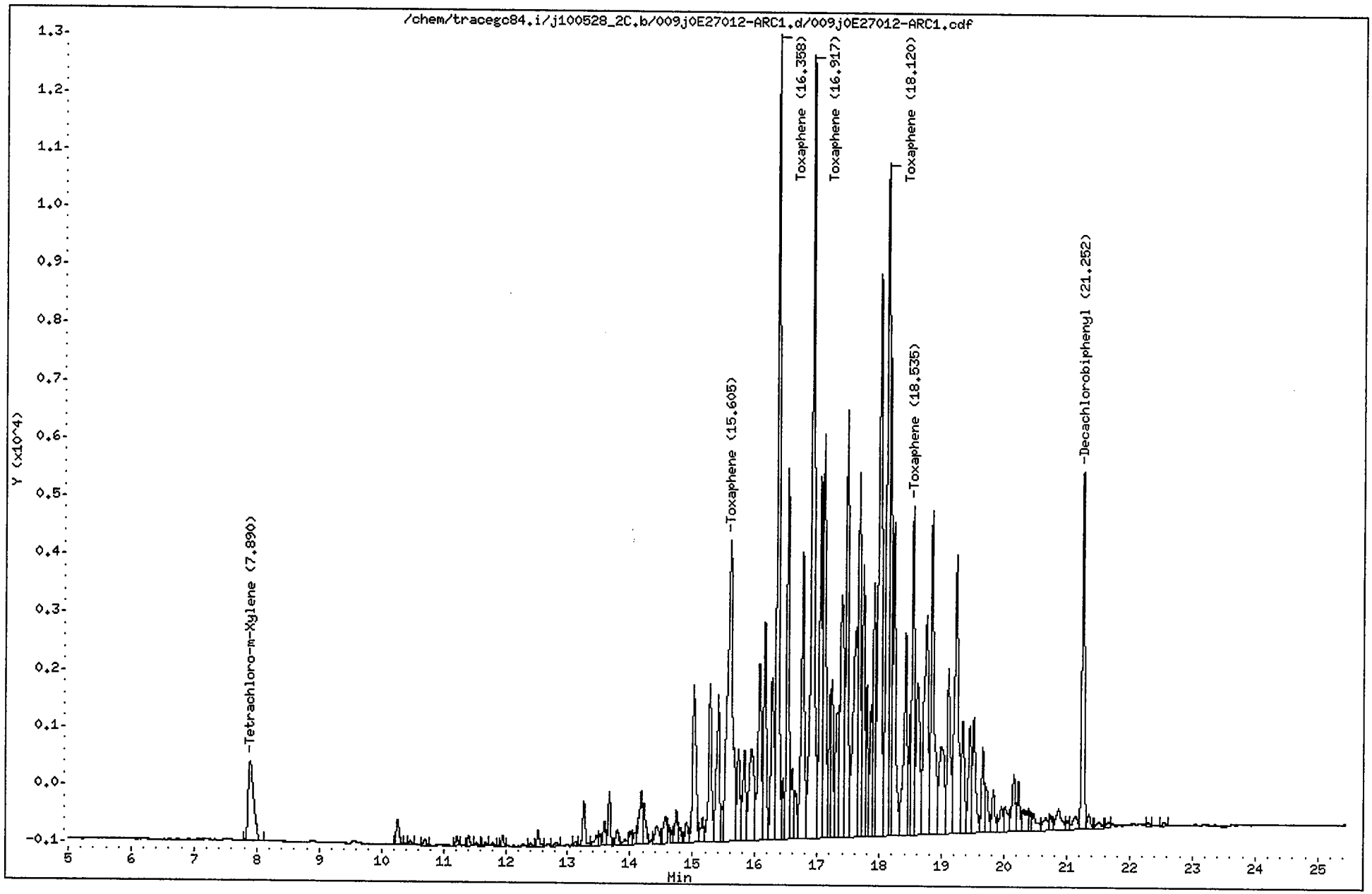
Data File: /chem/tracegc84.i/j100528_2C.b/009j0E27012-ARC1.d
Date : 28-MAY-2010 20:43
Client ID: TOXAPH3HA
Sample Info: 0E27012-ARC1
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC1 Client Smp Id : TOXAPH3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 28-MAY-2010 20:43 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : TOXAPH3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.54		7141					
1.88		103					
7.89	7.82 7.96	8419	416798	Tetrachloro-m-Xylene	0.020000	410850	
10.26		1459					
10.46		208					
10.70		299					
11.22		459					
11.40		512					
11.53		145					
11.68		167					
11.80		188					
11.95		441					
12.41		151					
12.52		803					
12.82		207					
13.12		237					
13.26		2432					
13.46		686					
13.51		498					
13.58		1233					
13.67		2283					
13.79		843					
13.93		392					
14.00		788					
14.08		617					
14.18		3565					
14.22		2095					
14.43		1563					
14.57		1798					
14.68		525					
14.74		1804					
14.80		660					
14.90		1187					
15.02		10695					
15.16		1578					
15.28		9239					
15.41		9242					
15.47		1294					
15.60	15.54 15.68	30398	15199	Toxaphene Peak 1	2.000000	15199	
15.73		5274					
15.83		5640					
15.94		9231					

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CompuChem

Lab Smp Id : 0E27012-ARC1 Client Smp Id : TOXAPH3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 28-MAY-2010 20:43 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : TOXAPH3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
16.07		11864					
16.16		11950					
16.27		9340					
16.36	16.29 16.43	37653	18826	Toxaphene Peak 2	2.000000	18827	
16.45		2790					
16.52		17354					
16.59		3610					
16.65		2401					
16.76		17971					
16.92	16.85 16.99	46567	23283	Toxaphene Peak 3	2.000000	23283	
17.05		17007					
17.10		23225					
17.20		5819					
17.23		6986					
17.32		8912					
17.39		17609					
17.47		20639					
17.62		17534					
17.67		17677					
17.74		12771					
17.79		6644					
17.86		5732					
17.91		11742					
18.00		38256					
18.12	18.05 18.19	38153	19076	Toxaphene Peak 4	2.000000	19077	
18.16		19458					
18.23		17062					
18.42		13115					
18.49		4584					
18.54	18.47 18.61	15591	7795	Toxaphene Peak 5	2.000000	7795.000	
18.61		11386					
18.75		18785					
18.84		19732					
18.99		9439					
19.11		9966					
19.23		20826					
19.34		6962					
19.45		6510					
19.51		6983					
19.66		4758					
19.72		2518					
19.82		2516					

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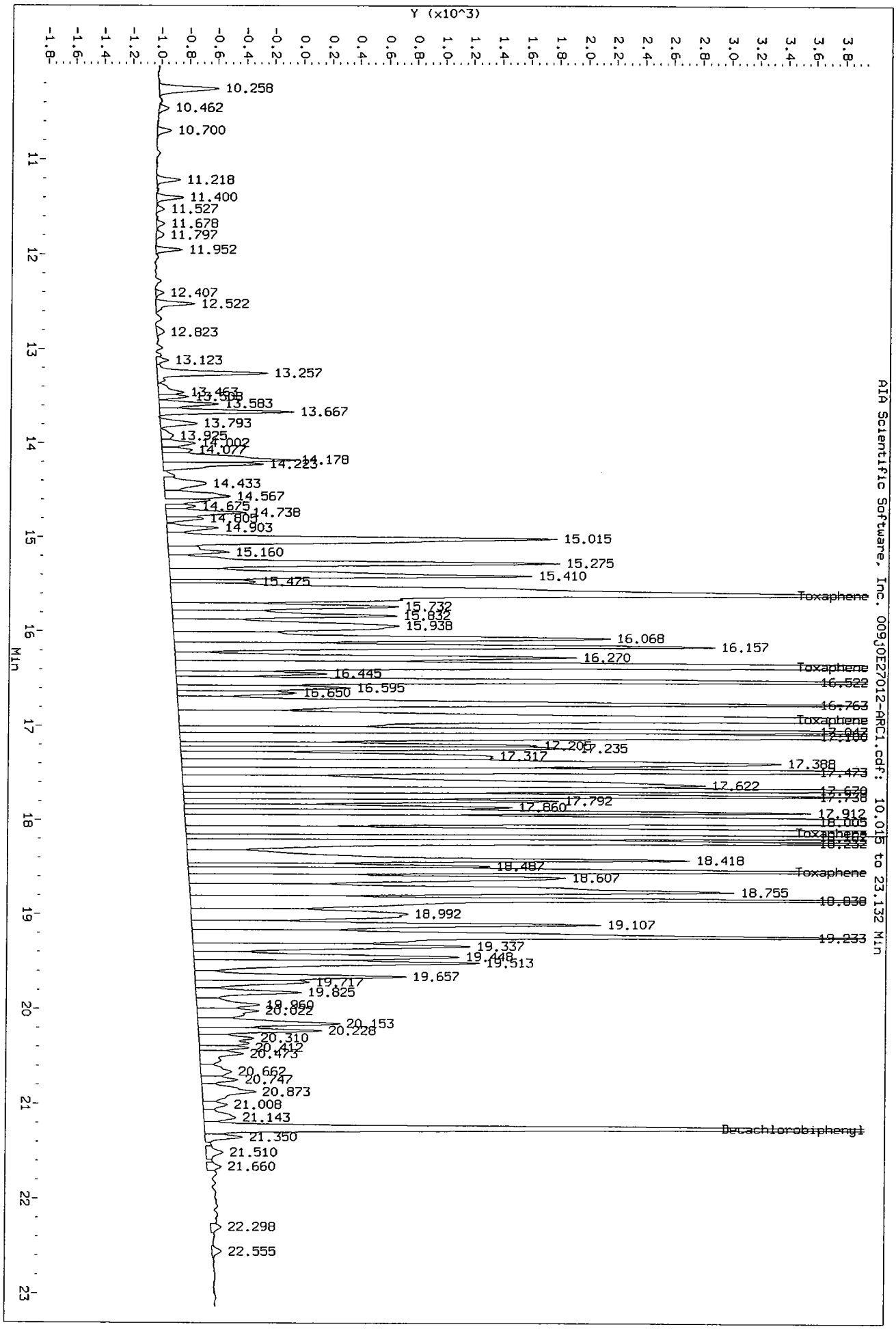
CompuChem

Lab Smp Id : 0E27012-ARC1 Client Smp Id : TOXAPH3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 28-MAY-2010 20:43 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : TOXAPH3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
19.96		1913					
20.02		2121					
20.15		3656					
20.23		2488					
20.31		2130					
20.41		943					
20.47		1540					
20.66		1218					
20.75		865					
20.87		2317					
21.01		628					
21.14		1203					
21.25	21.18 21.32	17006	406698	Decachlorobiphenyl	0.040000	401125	
21.35		825					
21.51		591					
21.66		386					
22.30		288					
22.55		264					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Injection Date: 28-MAY-2010 20:43
Instrument: tracegc84.i
Client Sample ID: TOXAPH3HA
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AIA Scientific Software, Inc. 009j0E27012-ARC1.cdf: 10.015 to 23.132 Min
Min
10.258
10.462
10.700
11.218
11.400
11.527
11.678
11.797
11.952
12.407
12.522
12.823
13.123
13.257
13.583
13.667
13.793
14.433
14.567
14.675
14.738
14.805
14.903
15.015
15.160
15.275
15.410
15.475
Toxaphene
15.732
15.938
16.068
16.157
16.270
Toxaphene
16.445
16.650
16.595
Toxaphene
17.235
17.317
17.388
17.622
17.792
17.860
17.912
Toxaphene
18.418
18.487
Toxaphene
18.607
18.755
18.992
19.107
19.337
19.513
19.657
19.717
19.825
20.153
20.228
20.310
20.662
20.747
20.873
21.008
21.143
Decachlorobiphenyl
21.350
21.510
21.660
22.298
22.555

Data File: /chem/tracegc84.i/j100528_2C.b/010j0E27012-ARC2.d

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Date : 28-MAY-2010 21:11

Client ID: CHLORO3HA

Instrument: tracegc84.i

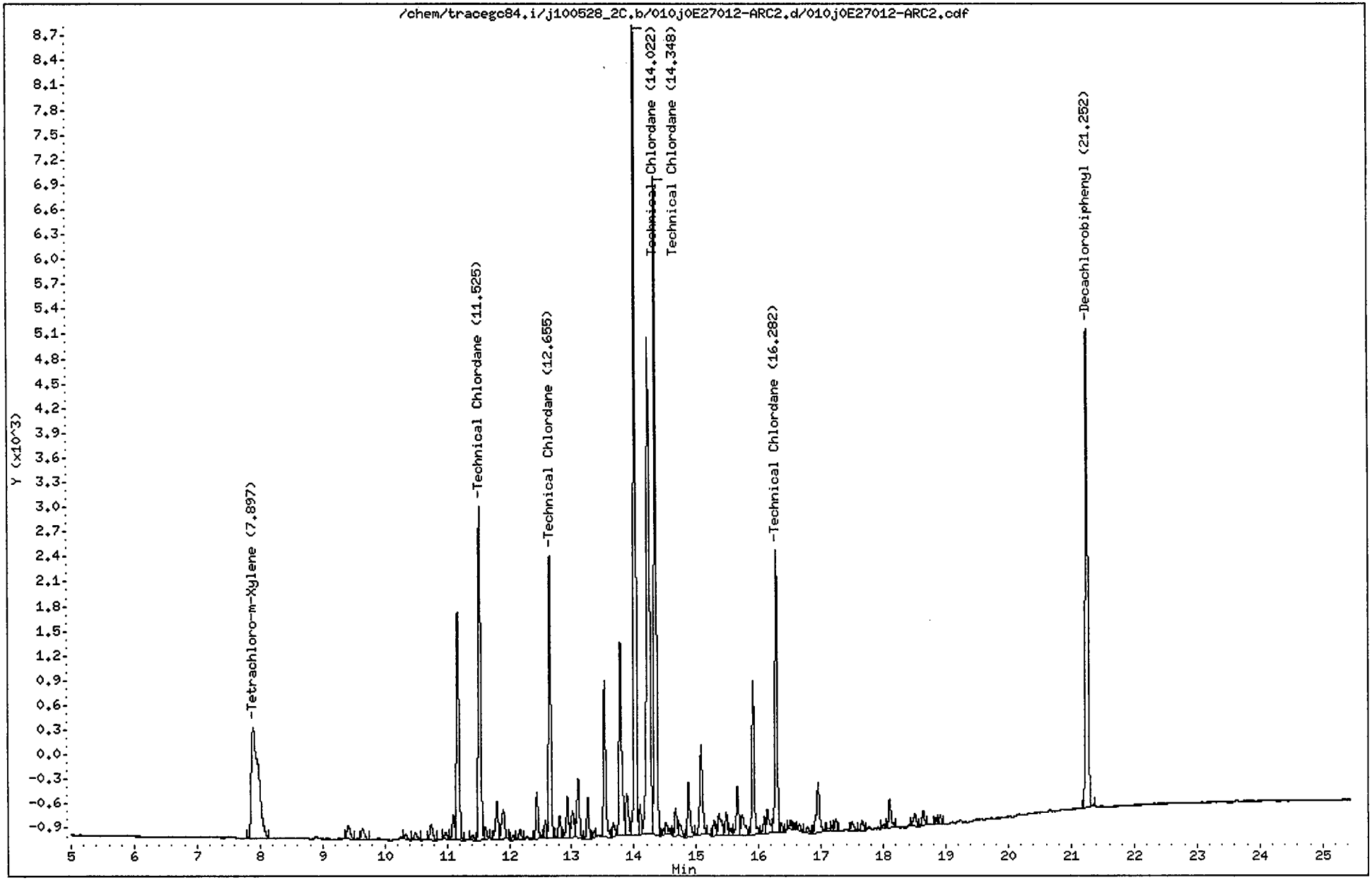
Sample Info: 0E27012-ARC2

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC2 Client Smp Id : CHLORO3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TechChlor
Inj Date : 28-MAY-2010 21:11 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : CHLORO3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.52		1208					
7.90	7.82 7.96	10799	416798	Tetrachloro-m-Xylene	0.020000	410850	
9.41		627					
9.63		460					
10.33		192					
10.49		291					
10.74		612					
10.98		235					
11.10		779					
11.18		7819					
11.40		188					
11.52	11.46 11.60	10759	26895	TechnicalChlordane Peak 1	0.400000	26895	
11.62		380					
11.80		1393					
11.90		1280					
12.06		152					
12.17		354					
12.44		1488					
12.58		530					
12.66	12.58 12.72	8347	20865	TechnicalChlordane Peak 2	0.400000	20865	
12.80		718					
12.93		1360					
13.02		1016					
13.11		2155					
13.26		1194					
13.36		184					
13.53		4593					
13.67		449					
13.78		6784					
13.89		1588					
14.02	13.95 14.09	23201	58000	TechnicalChlordane Peak 3	0.400000	58000	
14.10		804					
14.23		20520					
14.35	14.28 14.42	19246	48115	TechnicalChlordane Peak 4	0.400000	48115	
14.47		140					
14.52		390					
14.66		840					
14.73		531					
14.87		1756					
15.08		3297					
15.28		531					
15.36		1061					

AHW
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CompuChem

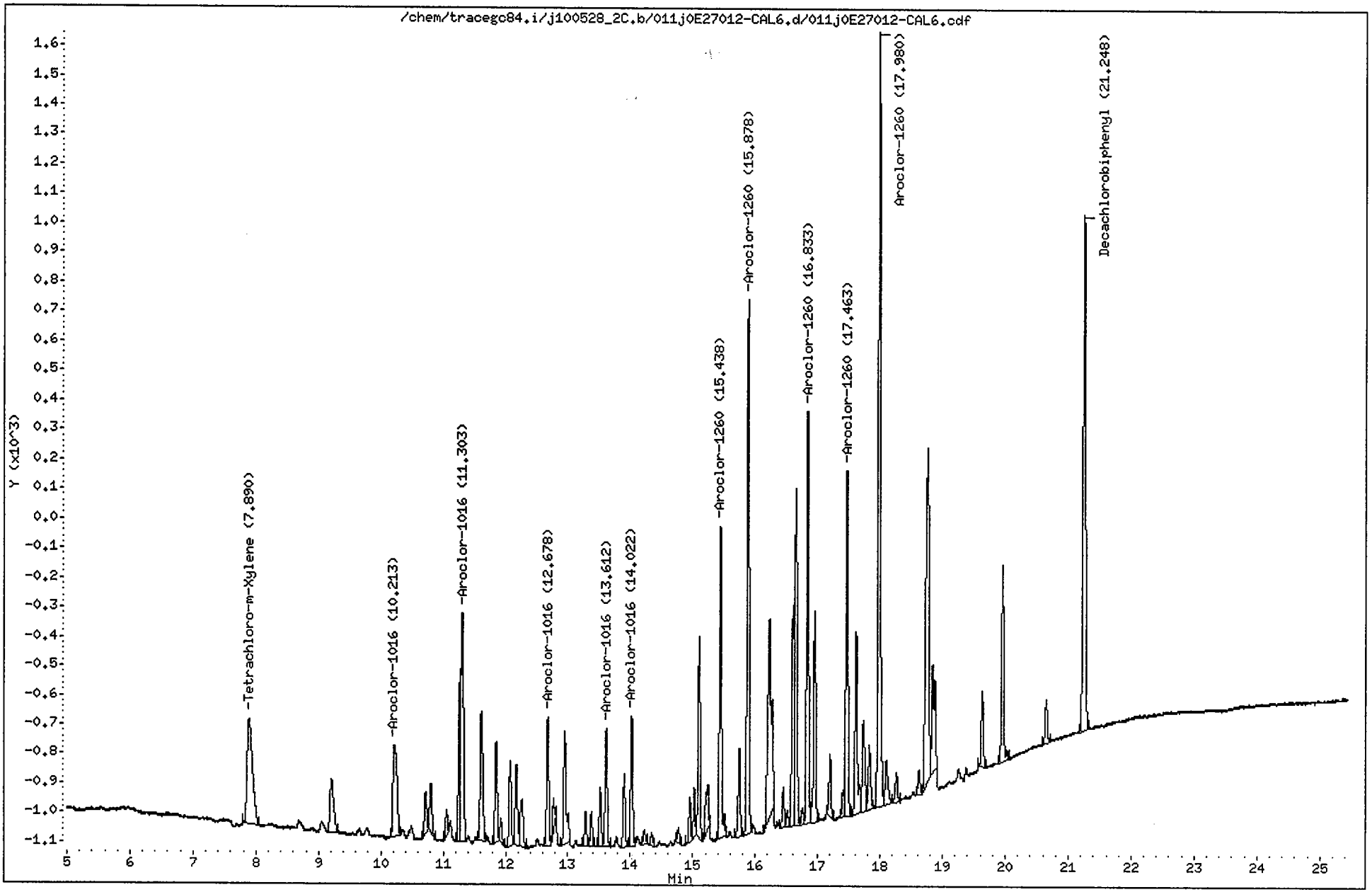
Lab Smp Id : 0E27012-ARC2 Client Smp Id : CHLORO3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TechChlor
Inj Date : 28-MAY-2010 21:11 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : CHLORO3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.47		663					
15.55		232					
15.65		1543					
15.73		1046					
15.91		4569					
16.09		479					
16.14		918					
16.28	16.21 16.35	8118	20295	TechnicalChlordane Peak 5	0.400000	20295	
16.36		246					
16.51		238					
16.57		147					
16.65		231					
16.78		238					
16.95		2088					
17.11		108					
17.18		157					
17.24		376					
17.49		360					
17.66		357					
18.00		156					
18.10		1006					
18.50		496					
18.64		491					
18.84		214					
18.91		270					
21.25	21.18 21.32	15618	406698	Decachlorobiphenyl	0.040000	401125	

Data File: /chem/tracegc84.i/j100528_2C.b/011j0E27012-CAL6.d
Date : 28-MAY-2010 21:40
Client ID: AR16601HA
Sample Info: 0E27012-CAL6
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL6 Client Smp Id : AR16601HA
Sample Type : INITIAL CAL: Level 1 Sublist : AR1660
Inj Date : 28-MAY-2010 21:40 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16601HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.54			5903					
2.52			95					
7.89	7.82	7.96	2127	416798	Tetrachloro-m-Xylene	0.005000	429200	
9.21			739					
10.21	10.15	10.29	1416	12953	Aroclor-1016 Peak 1	0.100000	14160	
10.72			357					
10.80			453					
11.05			191					
11.27			1078					
11.30	11.24	11.38	2281	19854	Aroclor-1016 Peak 2	0.100000	22810	
11.61			1266					
11.85			807					
11.93			172					
12.07			680					
12.17			716					
12.27			559					
12.68	12.61	12.75	1029	9041	Aroclor-1016 Peak 3	0.100000	10280	
12.77			225					
12.95			1134					
13.28			274					
13.37			255					
13.52			442					
13.61	13.55	13.69	959	8370	Aroclor-1016 Peak 4	0.100000	9590.000	
13.90			548					
14.02	13.96	14.10	995	7947	Aroclor-1016 Peak 5	0.100000	9950.000	
14.23			122					
14.34			101					
14.78			121					
14.95			306					
15.02			339					
15.10			1508					
15.21			533					
15.44	15.37	15.51	2507	21225	Aroclor-1260 Peak 1	0.100000	25070	
15.74			718					
15.88	15.81	15.95	4092	36050	Aroclor-1260 Peak 2	0.100000	40920	
16.23			2808					
16.45			292					
16.52			114					
16.60			1681					
16.64			2978					
16.75			124					
16.83	16.77	16.91	3170	28288	Aroclor-1260 Peak 3	0.100000	31690	

AHW
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CompuChem

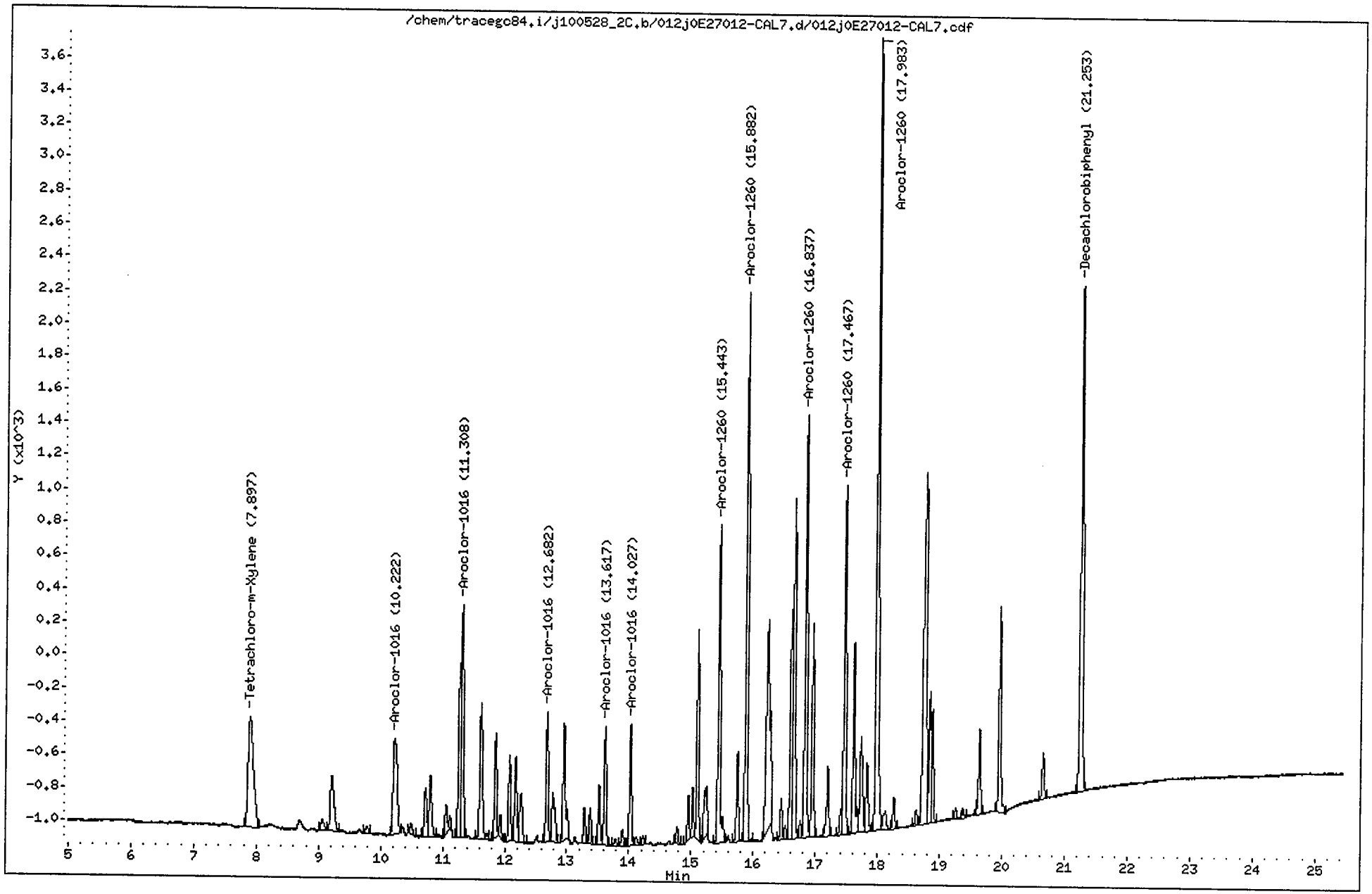
Lab Smp Id : 0E27012-CAL6 Client Smp Id : AR16601HA
Sample Type : INITIAL CAL: Level 1 Sublist : AR1660
Inj Date : 28-MAY-2010 21:40 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16601HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
16.95		1715					
17.20		482					
17.41		180					
17.46	17.39 17.53	2764	23788	Aroclor-1260 Peak 4	0.100000	27640	
17.61		1601					
17.73		912					
17.82		581					
17.98	17.91 18.05	6255	56438	Aroclor-1260 Peak 5	0.100000	62550	
18.10		488					
18.27		243					
18.62		191					
18.76		3996					
18.84		1325					
19.64		598					
19.95		1582					
20.65		370					
21.25	21.18 21.32	4742	406698	Decachlorobiphenyl	0.010000	466000	

Data File: /chem/tracegc84.i/j100528_2C.b/012j0E27012-CAL7.d
Date : 28-MAY-2010 22:10
Client ID: AR16602HA
Sample Info: 0E27012-CAL7
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL7 Client Smp Id : AR16602HA
Sample Type : INITIAL CAL: Level 2 Sublist : AR1660
Inj Date : 28-MAY-2010 22:10 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16602HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.53			5197					
7.90	7.82	7.96	3976	416798	Tetrachloro-m-Xylene	0.010000	424600	
9.06			255					
9.21			1421					
9.78			135					
10.22	10.15	10.29	2618	12953	Aroclor-1016 Peak 1	0.200000	13090	
10.49			218					
10.72			833					
10.80			1107					
11.06			575					
11.27			2129					
11.31	11.24	11.38	4044	19854	Aroclor-1016 Peak 2	0.200000	20215	
11.62			2472					
11.85			1498					
11.93			307					
12.08			1245					
12.18			1317					
12.27			1013					
12.68	12.61	12.75	1838	9041	Aroclor-1016 Peak 3	0.200000	9185.000	
12.78			1063					
12.95			2069					
13.29			484					
13.38			482					
13.52			827					
13.62	13.55	13.69	1742	8370	Aroclor-1016 Peak 4	0.200000	8705.000	
13.79			98					
13.90			231					
14.03	13.96	14.10	1634	7947	Aroclor-1016 Peak 5	0.200000	8165.000	
14.12			140					
14.23			108					
14.78			237					
14.96			572					
15.03			616					
15.10			2759					
15.22			1149					
15.44	15.37	15.51	4680	21225	Aroclor-1260 Peak 1	0.200000	23395	
15.75			1262					
15.88	15.81	15.95	7408	36050	Aroclor-1260 Peak 2	0.200000	37035	
16.23			5252					
16.45			565					
16.52			175					
16.61			3146					

AHW
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CompuChem

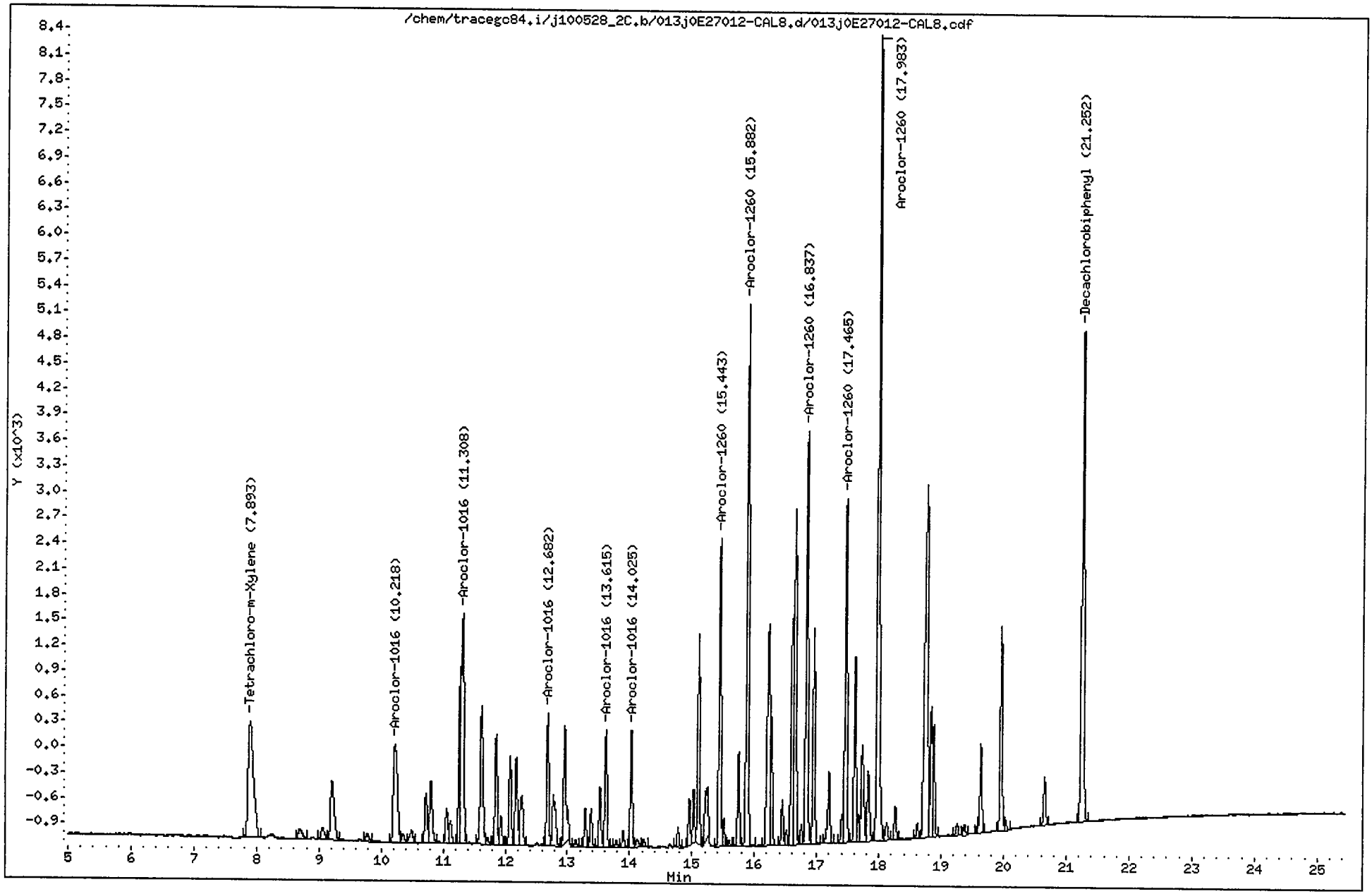
Lab Smp Id : 0E27012-CAL7 Client Smp Id : AR16602HA
Sample Type : INITIAL CAL: Level 2 Sublist : AR1660
Inj Date : 28-MAY-2010 22:10 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16602HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
16.65		5306					
16.76		234					
16.84	16.77 16.91	5837	28288	Aroclor-1260 Peak 3	0.200000	29185	
16.95		2954					
17.20		1072					
17.41		323					
17.47	17.39 17.53	4892	23788	Aroclor-1260 Peak 4	0.200000	24460	
17.62		2895					
17.73		1686					
17.83		1098					
17.98	17.91 18.05	11448	56438	Aroclor-1260 Peak 5	0.200000	57240	
18.13		425					
18.27		437					
18.63		228					
18.76		7729					
18.84		1751					
18.88		1479					
19.26		176					
19.38		125					
19.64		1202					
19.96		2994					
20.66		668					
21.25	21.18 21.32	8163	406698	Decachlorobiphenyl	0.020000	432800	

Data File: /chem/tracegc84.i/j100528_2C.b/013j0E27012-CAL8.d
Date : 28-MAY-2010 22:38
Client ID: AR16603HA
Sample Info: 0E27012-CAL8
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL8 Client Smp Id : AR16603HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1660
Inj Date : 28-MAY-2010 22:38 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16603HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.55		12610					
1.78		3220					
1.95		20961					
2.50		93					
7.89	7.82 7.96	8081	416798	Tetrachloro-m-Xylene	0.020000	410850	
8.69		535					
9.06		530					
9.21		2824					
9.78		314					
10.22	10.15 10.29	5286	12953	Aroclor-1016 Peak 1	0.400000	13213	
10.35		291					
10.49		540					
10.72		1664					
10.80		2191					
11.06		1058					
11.12		701					
11.27		4122					
11.31	11.24 11.38	7858	19854	Aroclor-1016 Peak 2	0.400000	19645	
11.62		4885					
11.71		188					
11.85		3237					
11.93		839					
12.08		2525					
12.17		2698					
12.27		2072					
12.68	12.61 12.75	3641	9041	Aroclor-1016 Peak 3	0.400000	9102.500	
12.77		2207					
12.95		4014					
13.13		182					
13.29		1026					
13.38		994					
13.52		1618					
13.62	13.55 13.69	3368	8370	Aroclor-1016 Peak 4	0.400000	8417.500	
13.78		183					
13.89		443					
14.02	13.96 14.10	3112	7947	Aroclor-1016 Peak 5	0.400000	7780.000	
14.12		296					
14.23		207					
14.78		512					
14.96		1176					
15.03		1288					
15.10		5373					

AHW
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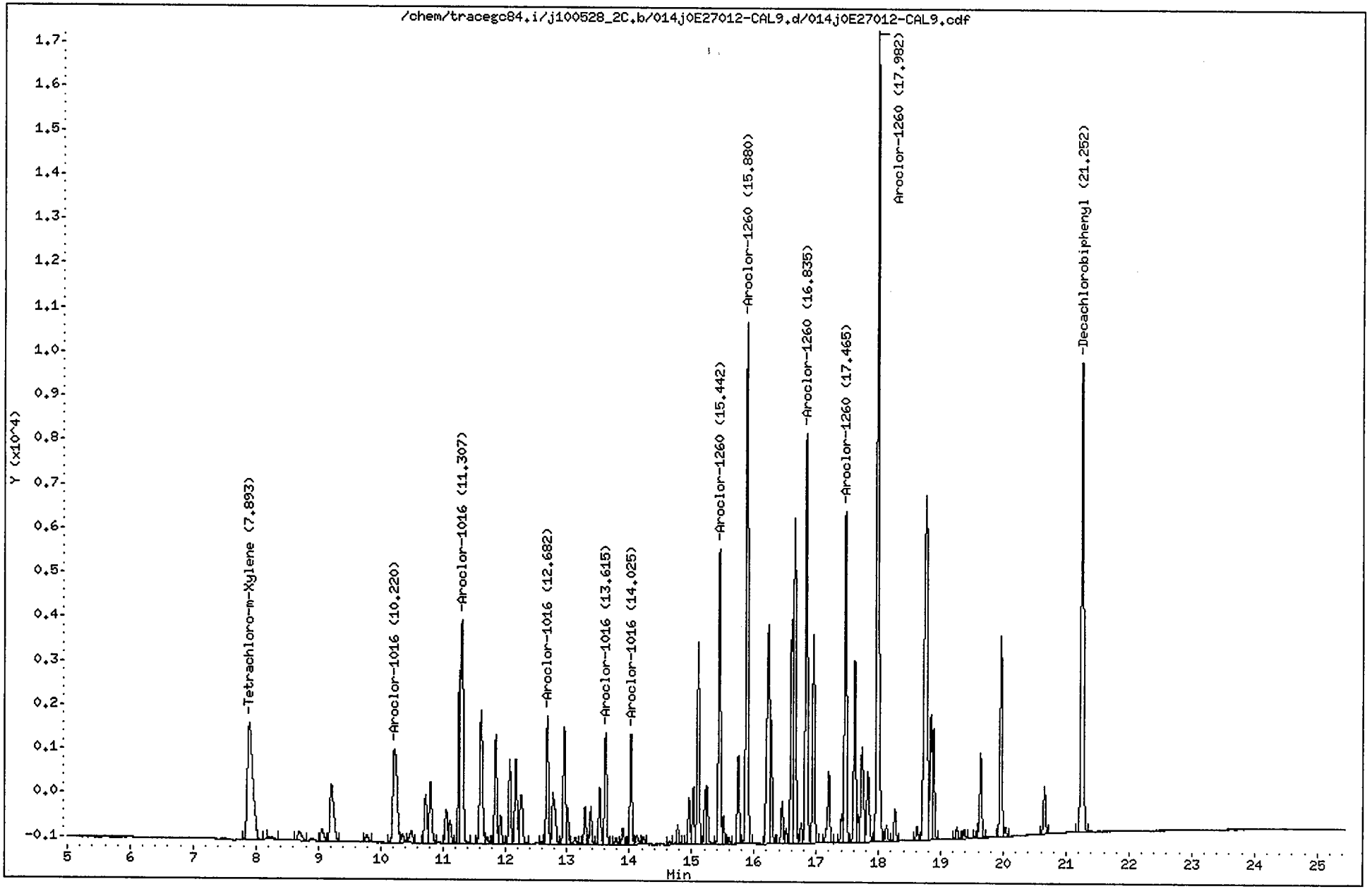
CompuChem

Lab Smp Id : 0E27012-CAL8 Client Smp Id : AR16603HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1660
Inj Date : 28-MAY-2010 22:38 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16603HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.22		2220					
15.44	15.37 15.51	8271	21225	Aroclor-1260 Peak 1	0.400000	20677	
15.51		684					
15.60		156					
15.74		2506					
15.88	15.81 15.95	14416	36050	Aroclor-1260 Peak 2	0.400000	36037	
16.23		8284					
16.27		3057					
16.45		1181					
16.52		364					
16.60		6302					
16.65		10109					
16.75		487					
16.84	16.77 16.91	11338	28288	Aroclor-1260 Peak 3	0.400000	28345	
16.95		5687					
17.20		2189					
17.41		626					
17.46	17.39 17.53	9484	23788	Aroclor-1260 Peak 4	0.400000	23710	
17.62		5073					
17.68		635					
17.73		3357					
17.83		2191					
17.98	17.91 18.05	22538	56438	Aroclor-1260 Peak 5	0.400000	56345	
18.13		555					
18.27		862					
18.62		374					
18.76		15093					
18.84		3468					
18.88		2867					
19.26		308					
19.38		258					
19.59		172					
19.64		2404					
19.96		5609					
20.04		270					
20.66		1346					
21.25	21.18 21.32	15513	406698	Decachlorobiphenyl	0.040000	401125	

Data File: /chem/tracegc84.i/j100528_2C.b/014j0E27012-CAL9.d
Date : 28-MAY-2010 23:07
Client ID: AR16604HA
Sample Info: 0E27012-CAL9
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc84.i
Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL9 Client Smp Id : AR16604HA
Sample Type : INITIAL CAL: Level 4 Sublist : AR1660
Inj Date : 28-MAY-2010 23:07 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16604HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.53			4994					
7.89	7.82	7.96	15839	416798	Tetrachloro-m-Xylene	0.040000	411550	
8.23			272					
8.69			995					
9.05			1016					
9.21			5387					
9.78			621					
10.22	10.15	10.29	10044	12953	Aroclor-1016 Peak 1	0.800000	12554	
10.35			547					
10.49			1064					
10.72			3233					
10.80			4240					
11.05			2022					
11.12			1384					
11.27			7432					
11.31	11.24	11.38	15161	19854	Aroclor-1016 Peak 2	0.800000	18951	
11.62			9210					
11.72			375					
11.85			6185					
11.93			1626					
12.08			4717					
12.17			5070					
12.26			3950					
12.59			100					
12.68	12.61	12.75	6879	9041	Aroclor-1016 Peak 3	0.800000	8597.500	
12.77			4237					
12.95			6753					
13.01			1772					
13.13			376					
13.29			1978					
13.38			1906					
13.52			3045					
13.62	13.55	13.69	6287	8370	Aroclor-1016 Peak 4	0.800000	7857.500	
13.78			319					
13.89			853					
14.02	13.96	14.10	5749	7947	Aroclor-1016 Peak 5	0.800000	7186.250	
14.12			568					
14.22			371					
14.65			184					
14.78			998					
14.95			2438					
15.03			2859					

AHW
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CompuChem

Lab Smp Id : 0E27012-CAL9 Client Smp Id : AR16604HA
Sample Type : INITIAL CAL: Level 4 Sublist : AR1660
Inj Date : 28-MAY-2010 23:07 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16604HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.10		10433					
15.21		2434					
15.24		2845					
15.44	15.37 15.51	15282	21225	Aroclor-1260 Peak 1	0.800000	19101	
15.51		1320					
15.59		289					
15.74		4660					
15.88	15.81 15.95	27134	36050	Aroclor-1260 Peak 2	0.800000	33916	
16.23		15431					
16.27		5739					
16.45		2259					
16.52		702					
16.60		11778					
16.65		19088					
16.75		967					
16.84	16.77 16.91	21389	28288	Aroclor-1260 Peak 3	0.800000	26736	
16.95		10710					
17.20		4226					
17.41		1265					
17.46	17.39 17.53	17730	23788	Aroclor-1260 Peak 4	0.800000	22163	
17.61		9532					
17.67		1248					
17.73		6461					
17.83		4295					
17.98	17.91 18.05	43151	56438	Aroclor-1260 Peak 5	0.800000	53937	
18.13		931					
18.26		1679					
18.62		696					
18.76		28579					
18.84		6575					
18.88		5525					
19.25		570					
19.37		496					
19.58		346					
19.64		4607					
19.96		10525					
20.03		479					
20.66		2580					
21.25	21.18 21.32	28729	406698	Decachlorobiphenyl	0.080000	376587	

Data File: /chem/tracegc84.i/j100528_2C.b/015j0E27012-CALA.d

Date : 28-MAY-2010 23:36

Client ID: AR16605HA

Instrument: tracegc84.i

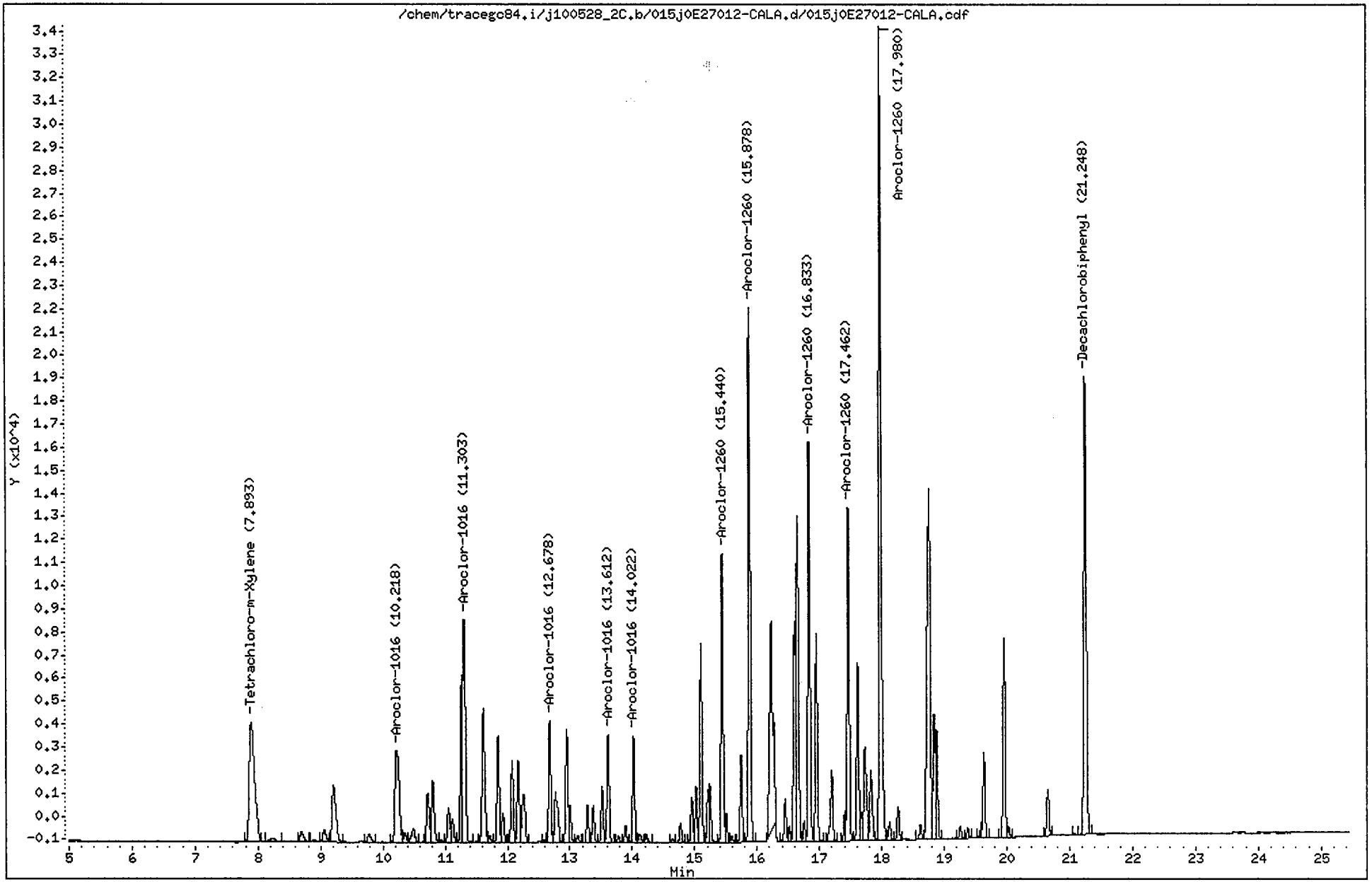
Sample Info: 0E27012-CALA

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CALA Client Smp Id : AR16605HA
Sample Type : INITIAL CAL: Level 5 Sublist : AR1660
Inj Date : 28-MAY-2010 23:36 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16605HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.52			1355					
7.89	7.82	7.96	30940	416798	Tetrachloro-m-Xylene	0.080000	407787	
8.23			1051					
8.69			1767					
8.90			350					
9.06			2080					
9.21			10426					
9.77			1198					
10.22	10.15	10.29	18798	12953	Aroclor-1016 Peak 1	1.600000	11748	
10.35			1187					
10.49			2201					
10.72			6102					
10.80			8090					
10.93			227					
11.05			3890					
11.12			2691					
11.27			14341					
11.30	11.24	11.38	28234	19854	Aroclor-1016 Peak 2	1.600000	17646	
11.61			17271					
11.71			726					
11.85			11729					
11.93			3081					
12.07			8751					
12.17			9431					
12.26			7408					
12.59			203					
12.68	12.61	12.75	12863	9041	Aroclor-1016 Peak 3	1.600000	8038.750	
12.77			7988					
12.95			12609					
13.00			3437					
13.13			691					
13.28			3830					
13.37			3670					
13.52			5712					
13.61	13.55	13.69	11647	8370	Aroclor-1016 Peak 4	1.600000	7278.750	
13.78			630					
13.89			1620					
14.02	13.96	14.10	10650	7947	Aroclor-1016 Peak 5	1.600000	6655.625	
14.12			1194					
14.22			866					
14.64			342					
14.77			1880					

AHW
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CompuChem

Lab Smp Id : 0E27012-CALA Client Smp Id : AR16605HA
Sample Type : INITIAL CAL: Level 5 Sublist : AR1660
Inj Date : 28-MAY-2010 23:36 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16605HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
14.95		4536					
15.02		5425					
15.10		19561					
15.21		4711					
15.24		5270					
15.44	15.37 15.51	28608	21225	Aroclor-1260 Peak 1	1.600000	17880	
15.50		2566					
15.59		606					
15.74		8752					
15.88	15.81 15.95	51744	36050	Aroclor-1260 Peak 2	1.600000	32339	
16.23		35706					
16.45		4307					
16.51		1357					
16.60		22407					
16.65		36104					
16.75		1891					
16.83	16.77 16.91	40779	28288	Aroclor-1260 Peak 3	1.600000	25486	
16.95		20286					
17.20		8137					
17.40		2343					
17.46	17.39 17.53	33551	23788	Aroclor-1260 Peak 4	1.600000	20969	
17.61		17934					
17.67		2288					
17.73		12332					
17.82		8217					
17.98	17.91 18.05	83385	56438	Aroclor-1260 Peak 5	1.600000	52116	
18.13		1774					
18.26		3228					
18.62		1358					
18.76		54383					
18.84		12266					
18.87		10642					
19.25		1188					
19.37		953					
19.58		647					
19.63		8766					
19.95		20067					
20.03		923					
20.65		4921					
21.08		90					
21.25	21.18 21.32	53941	406698	Decachlorobiphenyl	0.160000	356975	

Data File: /chem/tracegc84.i/j100528_2C.b/016j0E27012-ARC3.d

Date : 29-MAY-2010 00:05

Client ID: AR12213HA

Instrument: tracegc84.i

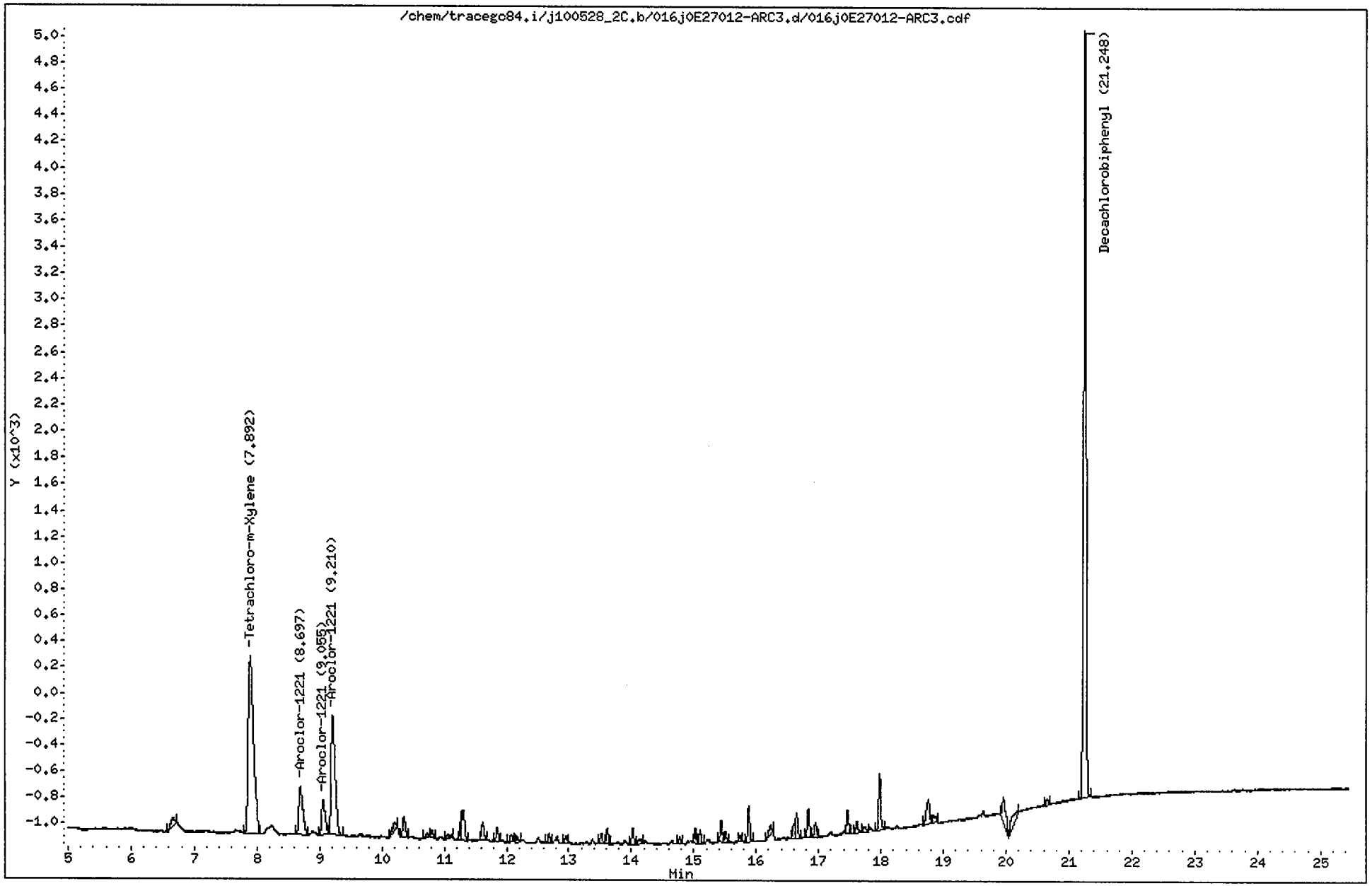
Sample Info: 0E27012-ARC3

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC3 Client Smp Id : AR12213HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1221
Inj Date : 29-MAY-2010 00:05 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12213HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.55			46457					
6.67			285					
7.89	7.82	7.96	8094	416798	Tetrachloro-m-Xylene	0.020000	410850	
8.70	8.63	8.77	1669	4170	Aroclor-1221 Peak 2	0.400000	4170.000	
9.06	8.98	9.12	1080	2700	Aroclor-1221 Peak 3	0.400000	2700.000	
9.21	9.14	9.28	4116	10288	Aroclor-1221 Peak 4	0.400000	10287	
10.20			230					
10.35			467					
10.72			97					
10.80			139					
11.06			138					
11.27			303					
11.31			680					
11.62			394					
11.85			255					
12.07			137					
12.17			97					
12.68			173					
12.96			129					
13.52			156					
13.62			273					
14.03			277					
14.12			135					
14.78			106					
15.03			221					
15.10			208					
15.44			350					
15.51			178					
15.74			109					
15.88			612					
16.23			225					
16.60			241					
16.65			516					
16.84			492					
16.95			301					
17.46			396					
17.61			248					
17.73			133					
17.98			1018					
18.75			645					
18.84			227					
19.96			871					

AHW
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CompuChem

Lab Smp Id : 0E27012-ARC3 Client Smp Id : AR12213HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1221
Inj Date : 29-MAY-2010 00:05 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12213HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
20.19			553					
20.66			118					
21.25	21.18	21.32	15857	406698	Decachlorobiphenyl	0.040000	401125	

Data File: /chem/tracegc84.i/j100528_2C.b/017j0E27012-ARC4.d

Date : 29-MAY-2010 00:34

Client ID: AR12323HA

Instrument: tracegc84.i

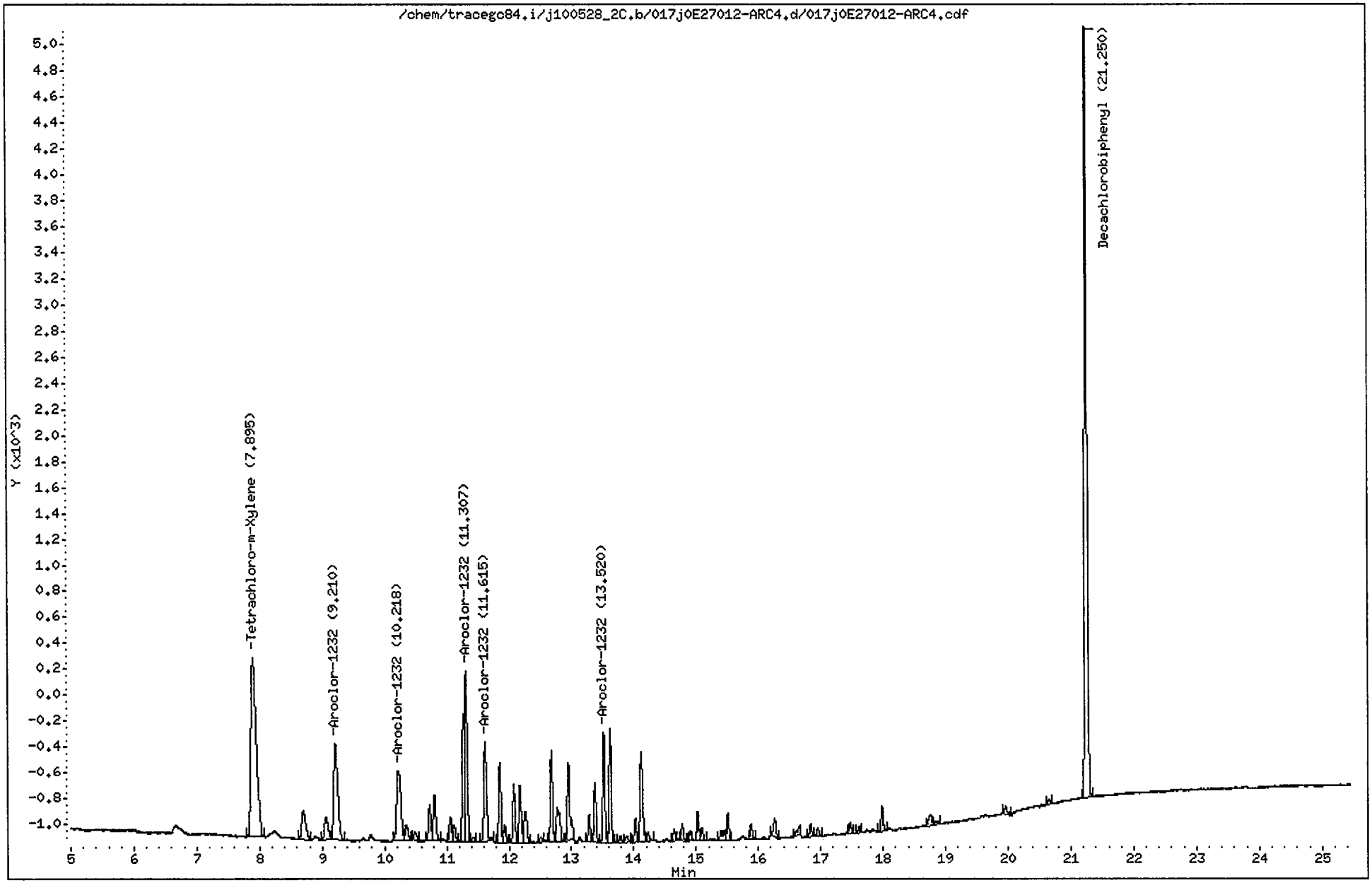
Sample Info: 0E27012-ARC4

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC4 Client Smp Id : AR12323HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1232
Inj Date : 29-MAY-2010 00:34 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12323HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.55			6078					
1.92			227					
7.90	7.82	7.96	8222	416798	Tetrachloro-m-Xylene	0.020000	410850	
8.69			1024					
9.06			732					
9.21	9.14	9.28	3275	8188	Aroclor-1232 Peak 1	0.400000	8187.500	
10.22	10.15	10.29	2568	6418	Aroclor-1232 Peak 2	0.400000	6417.500	
10.35			378					
10.49			176					
10.72			788					
10.80			1046					
11.05			518					
11.12			332					
11.27			2058					
11.31	11.24	11.38	3727	9318	Aroclor-1232 Peak 3	0.400000	9317.500	
11.43			94					
11.62	11.55	11.69	2299	5748	Aroclor-1232 Peak 4	0.400000	5747.500	
11.85			1547					
11.93			323					
12.08			1075					
12.18			1145					
12.27			852					
12.52			91					
12.68			1662					
12.78			1077					
12.95			1754					
13.29			498					
13.38			1017					
13.52	13.45	13.59	1927	4818	Aroclor-1232 Peak 5	0.400000	4817.500	
13.62			2028					
13.78			100					
13.88			146					
14.03			403					
14.12			2031					
14.23			156					
14.64			186					
14.78			270					
14.90			159					
15.03			465					
15.09			247					
15.39			329					
15.51			455					

AHW
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CompuChem

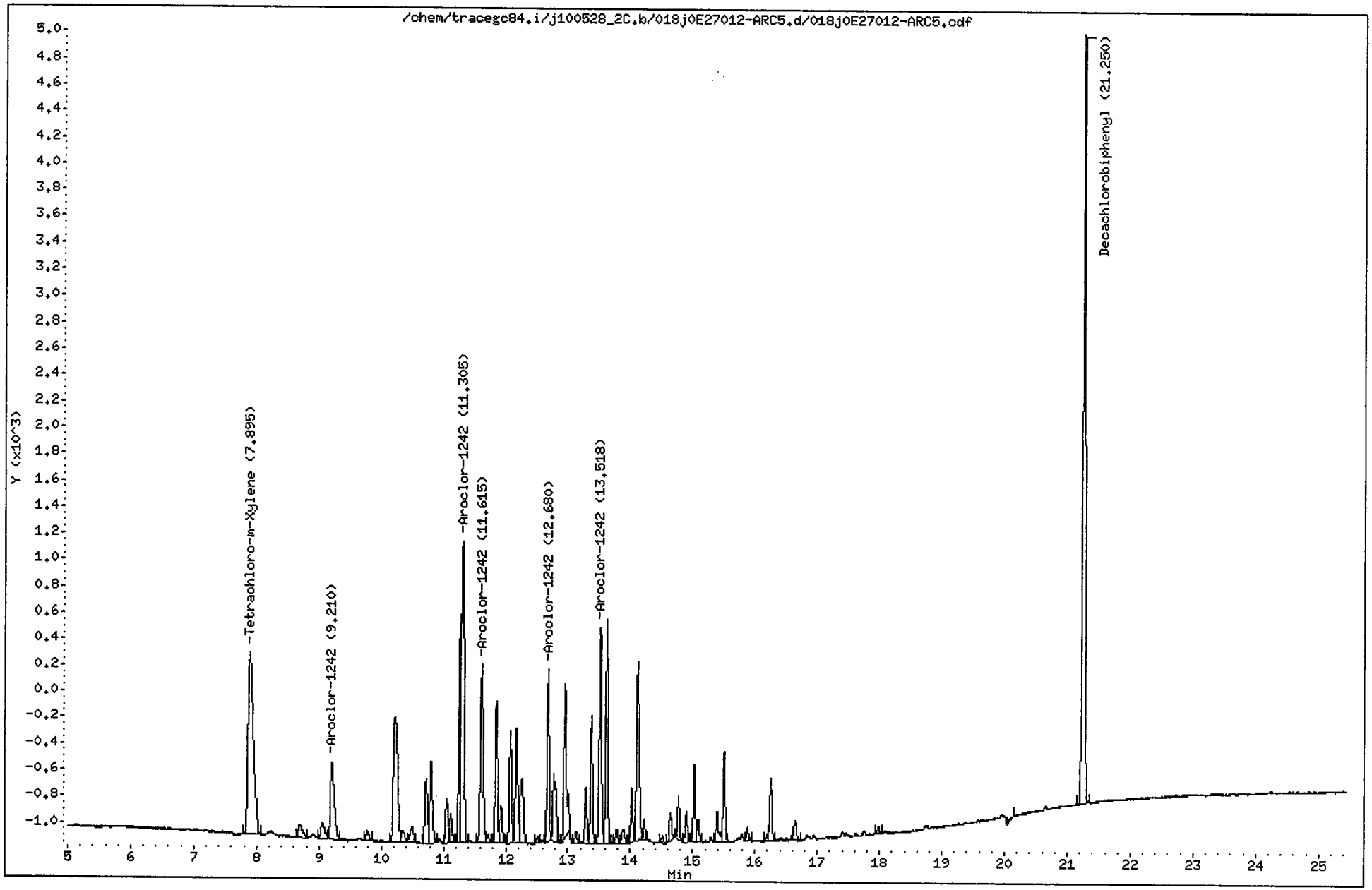
Lab Smp Id : 0E27012-ARC4 Client Smp Id : AR12323HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1232
Inj Date : 29-MAY-2010 00:34 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12323HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.88		264					
16.26		384					
16.60		186					
16.84		225					
16.95		176					
17.47		191					
17.62		94					
17.98		448					
18.76		291					
18.84		109					
19.96		223					
20.66		103					
21.25	21.18 21.32	15900	406698	Decachlorobiphenyl	0.040000	401125	

Data File: /chem/tracegc84.i/j100528_2C.b/018j0E27012-ARC5.d
Date : 29-MAY-2010 01:03
Client ID: AR12423HA
Sample Info: 0E27012-ARC5
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC5 Client Smp Id : AR12423HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1242
Inj Date : 29-MAY-2010 01:03 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12423HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.54			4643					
2.52			95					
7.90	7.82	7.96	8181	416798	Tetrachloro-m-Xylene	0.020000	410850	
8.69			451					
9.05			464					
9.21	9.14	9.28	2438	6092	Aroclor-1242 Peak 1	0.400000	6092.500	
9.78			255					
10.22			4459					
10.35			260					
10.49			448					
10.72			1417					
10.80			1857					
11.05			903					
11.12			581					
11.27			3529					
11.30	11.23	11.37	6570	16425	Aroclor-1242 Peak 2	0.400000	16425	
11.62	11.55	11.69	4090	10222	Aroclor-1242 Peak 3	0.400000	10223	
11.72			154					
11.85			2686					
11.93			698					
12.08			2079					
12.17			2308					
12.27			1751					
12.52			122					
12.68	12.61	12.75	3039	7598	Aroclor-1242 Peak 4	0.400000	7597.500	
12.77			1924					
12.95			3384					
13.13			196					
13.29			977					
13.38			2193					
13.52	13.45	13.59	3803	9505	Aroclor-1242 Peak 5	0.400000	9505.000	
13.62			4081					
13.78			240					
13.89			342					
14.02			915					
14.12			4153					
14.22			317					
14.52			126					
14.64			488					
14.78			680					
14.90			497					
15.03			1278					

AHW
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CompuChem

Lab Smp Id : 0E27012-ARC5 Client Smp Id : AR12423HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1242
Inj Date : 29-MAY-2010 01:03 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12423HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.09		398					
15.39		655					
15.51		1508					
15.88		255					
16.21		101					
16.25		1102					
16.65		394					
17.98		126					
20.15		103					
21.25	21.18 21.32	15810	406698	Decachlorobiphenyl	0.040000	401125	

Data File: /chem/tracegc84.i/j100528_2C.b/019j0E27012-ARC6.d

Date : 29-MAY-2010 01:32

Client ID: AR12483HA

Sample Info: 0E27012-ARC6

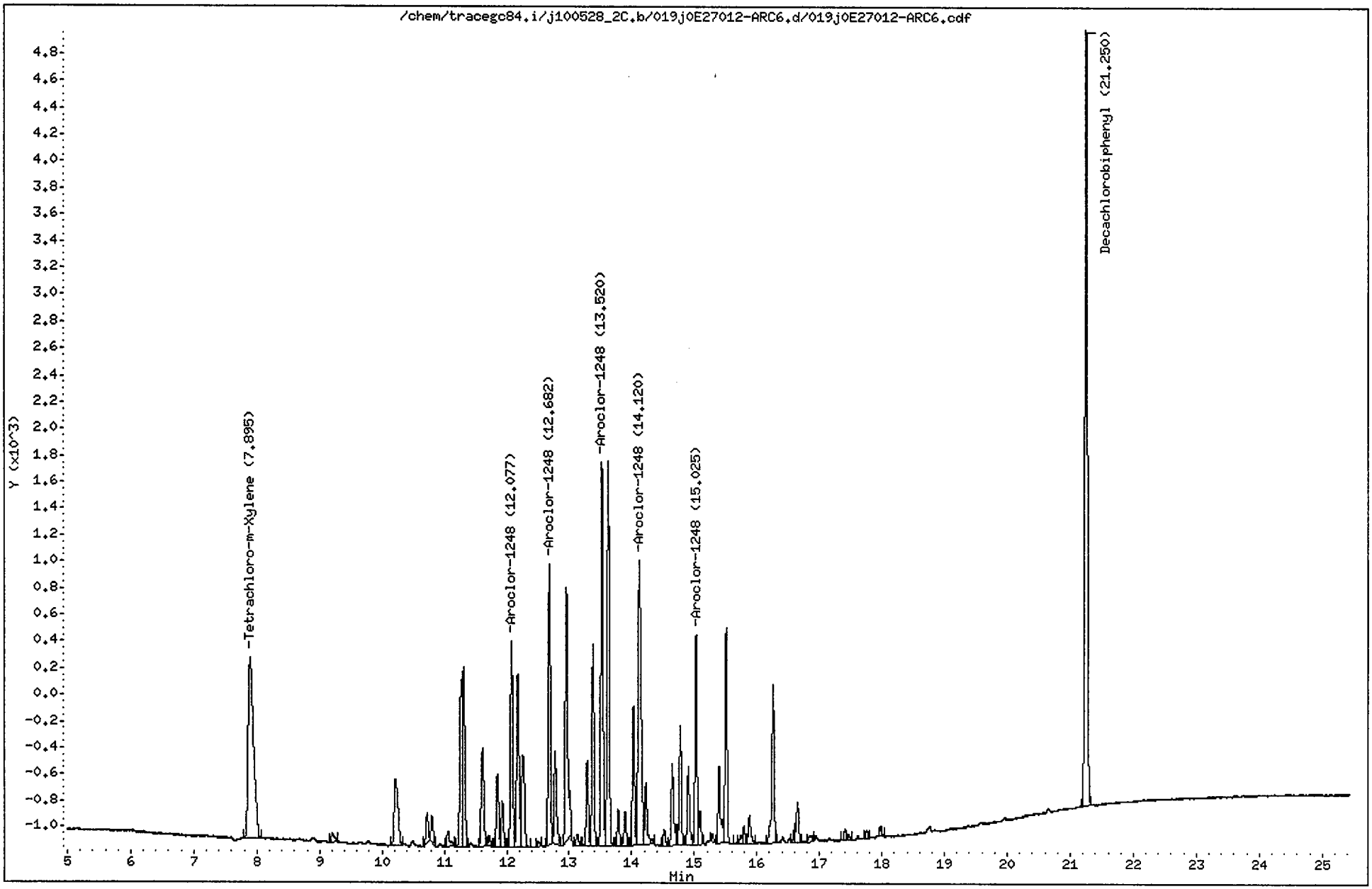
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC6 Client Smp Id : AR12483HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1248
Inj Date : 29-MAY-2010 01:32 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12483HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.55			6951					
1.90			216					
7.90	7.82	7.96	8180	416798	Tetrachloro-m-Xylene	0.020000	410850	
9.21			240					
10.22			2132					
10.72			548					
10.80			506					
11.05			377					
11.27			2891					
11.31			3648					
11.61			2168					
11.71			174					
11.85			1385					
11.93			873					
12.08	12.01	12.15	3800	9500	Aroclor-1248 Peak 1	0.400000	9500.000	
12.17			3447					
12.26			2536					
12.50			95					
12.68	12.61	12.75	4952	12378	Aroclor-1248 Peak 2	0.400000	12377	
12.77			1909					
12.95			5414					
13.13			193					
13.29			1486					
13.38			3533					
13.52	13.45	13.59	6749	16872	Aroclor-1248 Peak 3	0.400000	16873	
13.62			7131					
13.78			627					
13.89			633					
14.03			2480					
14.12	14.05	14.19	7275	18185	Aroclor-1248 Peak 4	0.400000	18185	
14.22			1226					
14.52			289					
14.64			1587					
14.72			238					
14.78			2062					
14.90			1474					
15.02	14.96	15.10	3554	8882	Aroclor-1248 Peak 5	0.400000	8882.500	
15.09			573					
15.29			129					
15.39			1678					
15.51			3676					
15.74			137					

AHW
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CompuChem

Lab Smp Id : 0E27012-ARC6 Client Smp Id : AR12483HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1248
Inj Date : 29-MAY-2010 01:32 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12483HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.79		271					
15.88		577					
16.26		3091					
16.60		180					
16.65		770					
16.84		179					
17.41		196					
17.46		100					
17.75		155					
17.98		158					
21.25	21.18 21.32	15689	406698	Decachlorobiphenyl	0.040000	401125	

Data File: /chem/tracegc84.i/j100528_2C.b/020j0E27012-ARC7.d

Date : 29-MAY-2010 02:01

Client ID: AR12543HA

Instrument: tracegc84.i

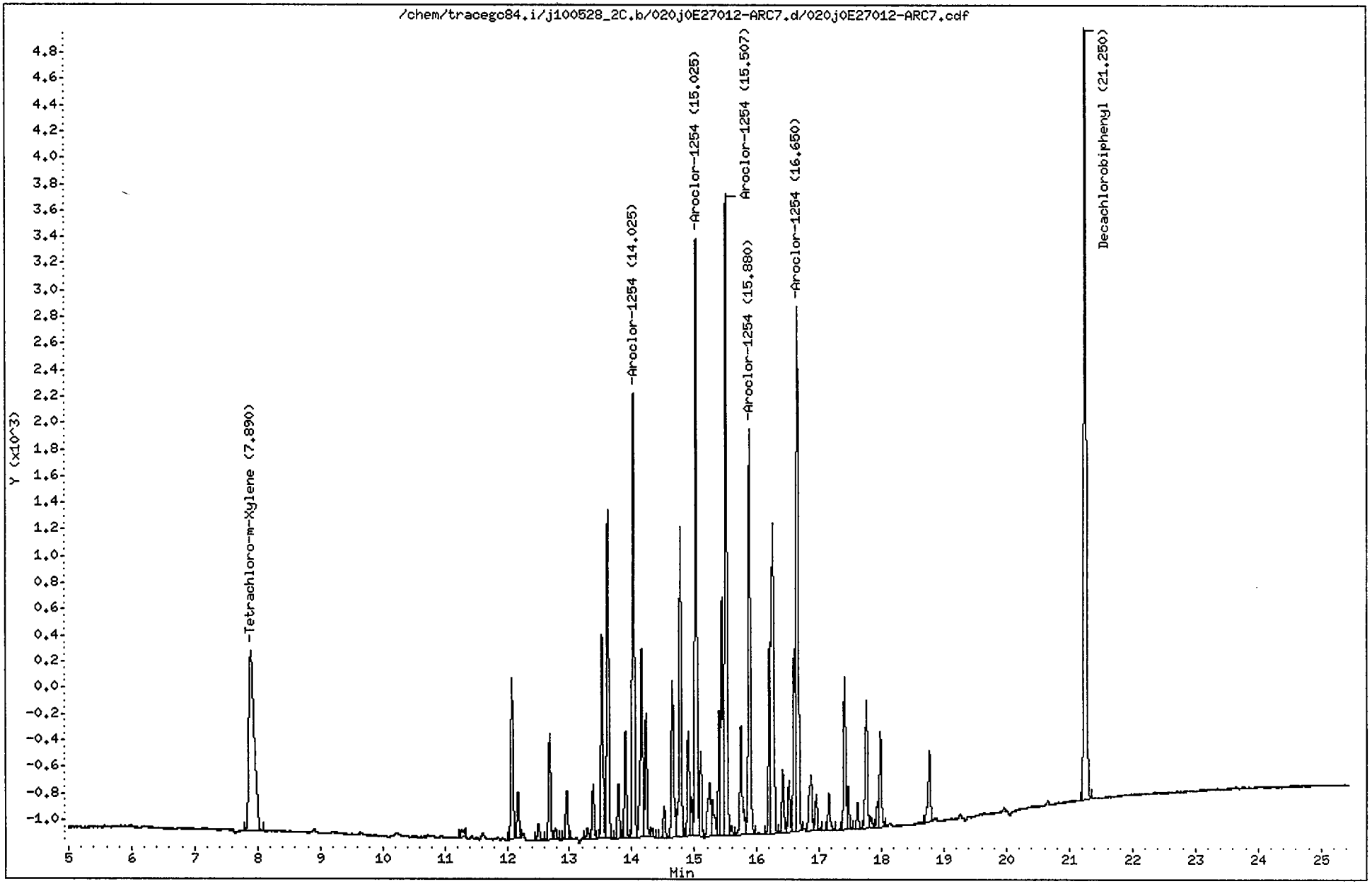
Sample Info: 0E27012-ARC7

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC7 Client Smp Id : AR12543HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1254
Inj Date : 29-MAY-2010 02:01 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12543HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.53		1503					
2.52		107					
7.89	7.82 7.96	8133	416798	Tetrachloro-m-Xylene	0.020000	410850	
11.27		231					
12.08		2963					
12.17		770					
12.50		310					
12.68		1873					
12.77		210					
12.95		884					
13.29		183					
13.38		919					
13.52		3563					
13.61		5900					
13.78		937					
13.89		1800					
14.02	13.96 14.10	7888	19718	Aroclor-1254 Peak 1	0.400000	19717	
14.16		3806					
14.22		2167					
14.32		171					
14.52		557					
14.64		2999					
14.78		5649					
14.90		1782					
14.95		591					
15.02	14.96 15.10	10277	25690	Aroclor-1254 Peak 2	0.400000	25690	
15.10		1390					
15.24		1408					
15.29		819					
15.39		1945					
15.44		4271					
15.51	15.44 15.58	10919	27295	Aroclor-1254 Peak 3	0.400000	27295	
15.60		153					
15.74		2382					
15.88	15.81 15.95	7170	17922	Aroclor-1254 Peak 4	0.400000	17923	
16.20		2920					
16.25		7155					
16.41		1092					
16.52		844					
16.60		2842					
16.65	16.58 16.72	10096	25238	Aroclor-1254 Peak 5	0.400000	25237	
16.87		1426					

AHW
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CompuChem

Lab Smp Id : 0E27012-ARC7 Client Smp Id : AR12543HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1254
Inj Date : 29-MAY-2010 02:01 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12543HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
16.95		635					
17.15		700					
17.41		2600					
17.46		702					
17.62		443					
17.76		2404					
17.83		213					
17.93		382					
17.98		1680					
18.77		1427					
21.25	21.18 21.32	15713	406698	Decachlorobiphenyl	0.040000	401125	

Data File: /chem/tracegc84.i/j100528_2C.b/021j0E27012-ICV1.d

Date : 29-MAY-2010 02:30

Client ID: PESTCHKHA

Sample Info: 0E27012-ICV1

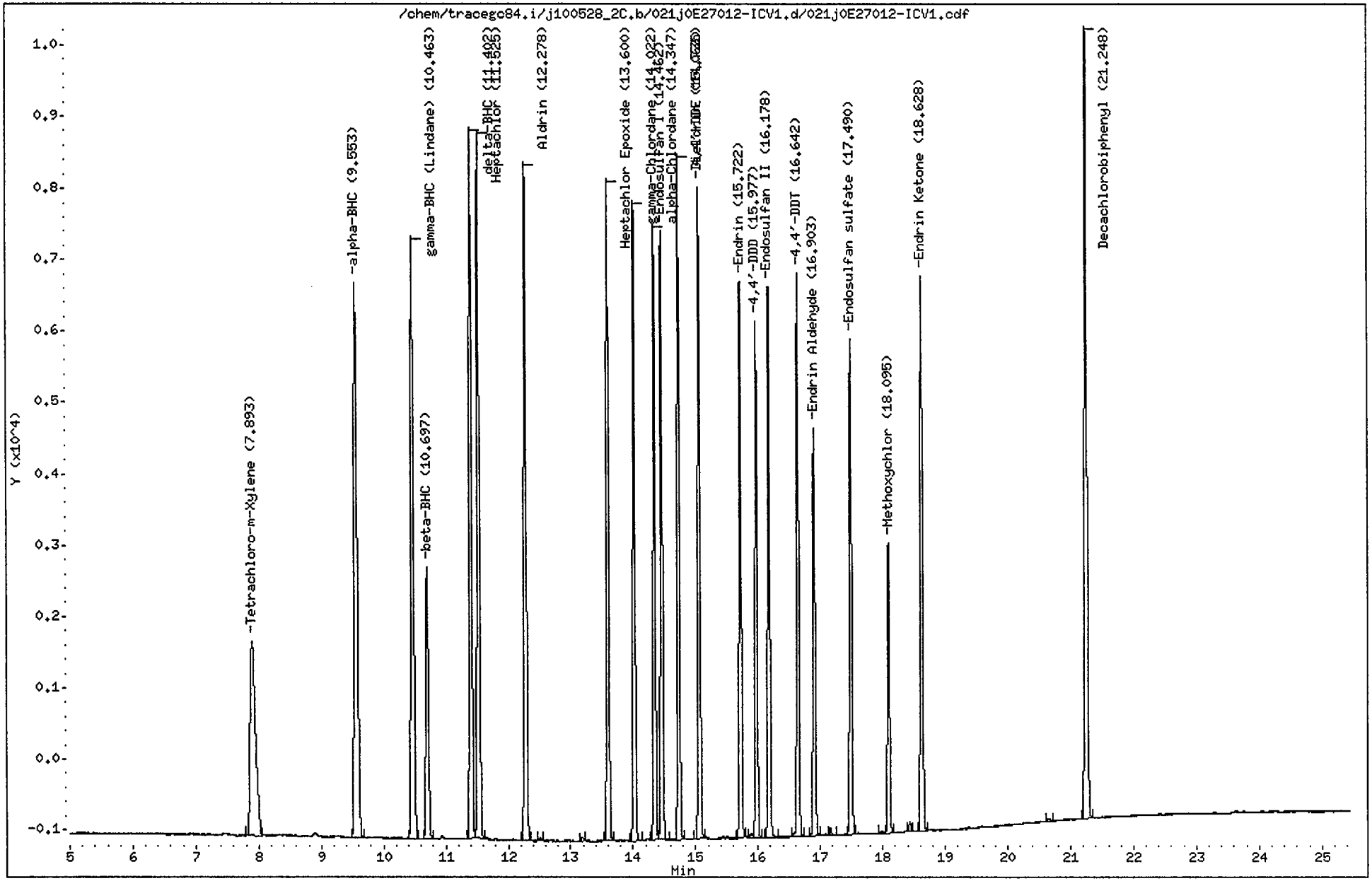
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: System

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ICV1 Client Smp Id : PESTCHKHA
Sample Type : QCCHECK Sublist : INDA
Inj Date : 29-MAY-2010 02:30 Inst ID : TRACEGC84
Operator : System Spike Sublist : INDAchek
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : PESTCHKHA

RT	AREA
1.52	971
2.52	113
7.89	16373
9.55	27766
10.46	25508
10.70	10744
11.40	25025
11.53	26353
12.28	24122
12.51	90
13.19	137
13.60	21487
14.02	20491
14.35	19566
14.46	19716
14.73	20595
15.06	20726
15.72	17889
15.89	173
15.98	15433
16.18	17845
16.64	17369
16.90	13306
17.16	236
17.49	16118
17.98	91
18.09	9156
18.43	293
18.63	18709
20.66	111
21.25	29779

AHW
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Data File: /chem/tracegc84.i/j100528_2C.b/022j0E27012-ICV2.d

Date : 29-MAY-2010 02:59

Client ID: PCBCHKHA

Sample Info: 0E27012-ICV2

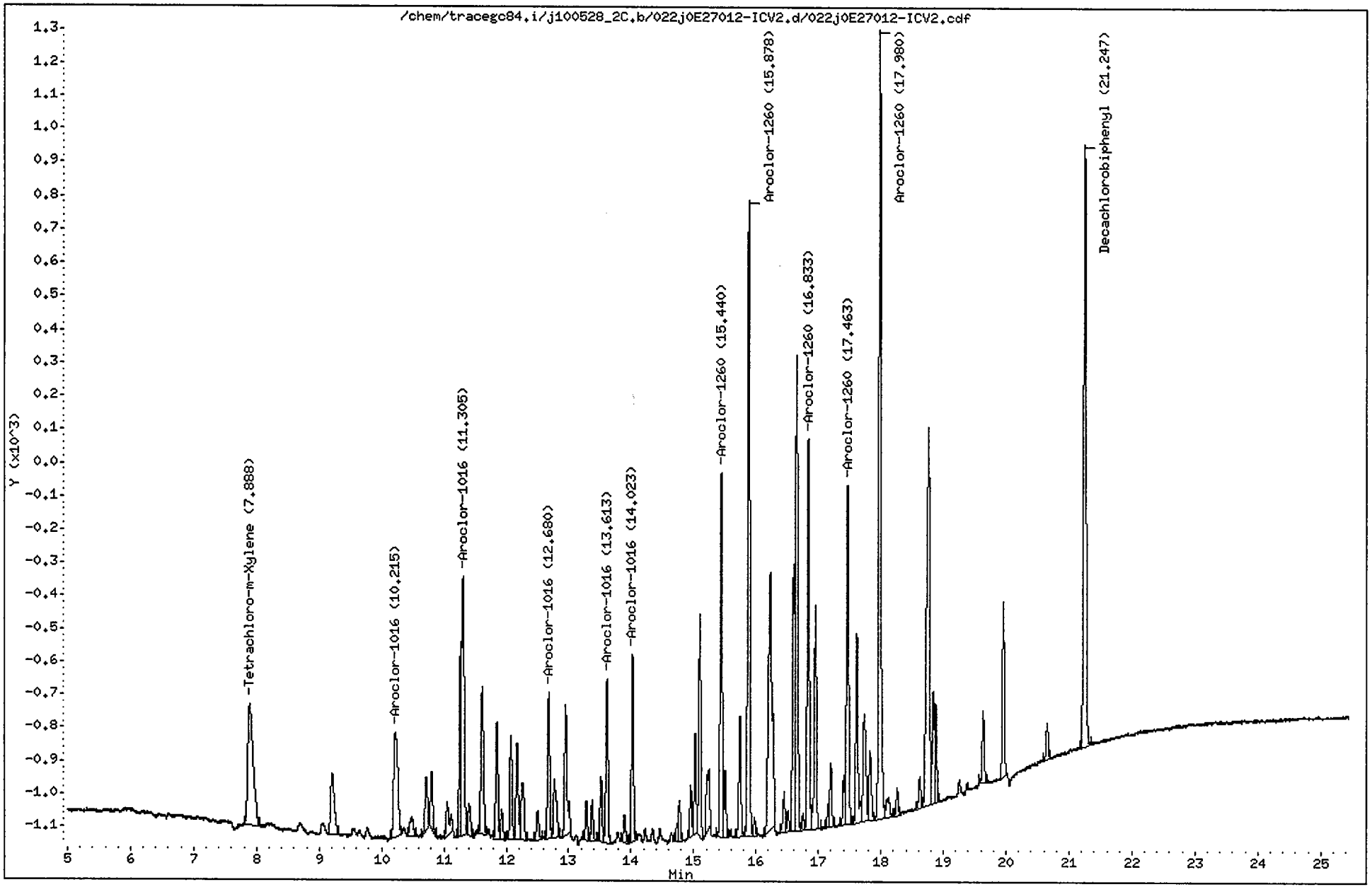
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ICV2 Client Smp Id : PCBCHKHA
Sample Type : QCCHECK Sublist : AR1660
Inj Date : 29-MAY-2010 02:59 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : AR1660OVchk
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : PCBCHKHA

RT	AREA
1.51	5107
7.89	2190
9.21	761
10.21	1448
10.48	242
10.72	451
10.80	458
11.05	369
11.27	1244
11.30	2146
11.41	281
11.61	1273
11.85	884
11.93	232
12.07	732
12.17	760
12.27	603
12.50	215
12.68	1026
12.77	586
12.95	1132
13.28	262
13.38	254
13.52	457
13.61	1218
13.89	196
14.02	1251
14.73	96
14.77	284
14.95	331
15.02	670
15.10	1485
15.21	680
15.44	2500
15.51	438
15.74	902
15.88	4331
15.98	116
16.23	3252
16.45	289
16.51	136
16.60	1788
16.65	3672
16.75	107
16.83	2698

AHW
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CompuChem

Lab Smp Id : 0E27012-ICV2 Client Smp Id : PCBCHKHA
Sample Type : QCCHECK Sublist : AR1660
Inj Date : 29-MAY-2010 02:59 Inst ID :
Operator : AHW Spike Sublist : AR1660OVchk
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : PCBCHKHA

RT	AREA
16.95	1595
17.15	119
17.20	443
17.41	308
17.46	2477
17.61	1400
17.73	1073
17.83	559
17.98	5630
18.12	237
18.26	182
18.62	233
18.76	3878
18.84	740
18.88	657
19.63	502
19.95	1166
20.65	268
21.25	4893

Data File: /chem/tracegc84.i/j100528zk.b/383jSEQ-CCV1.d

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Date : 10-JUN-2010 11:46

Client ID: INDC3MB

Instrument: tracegc84.i

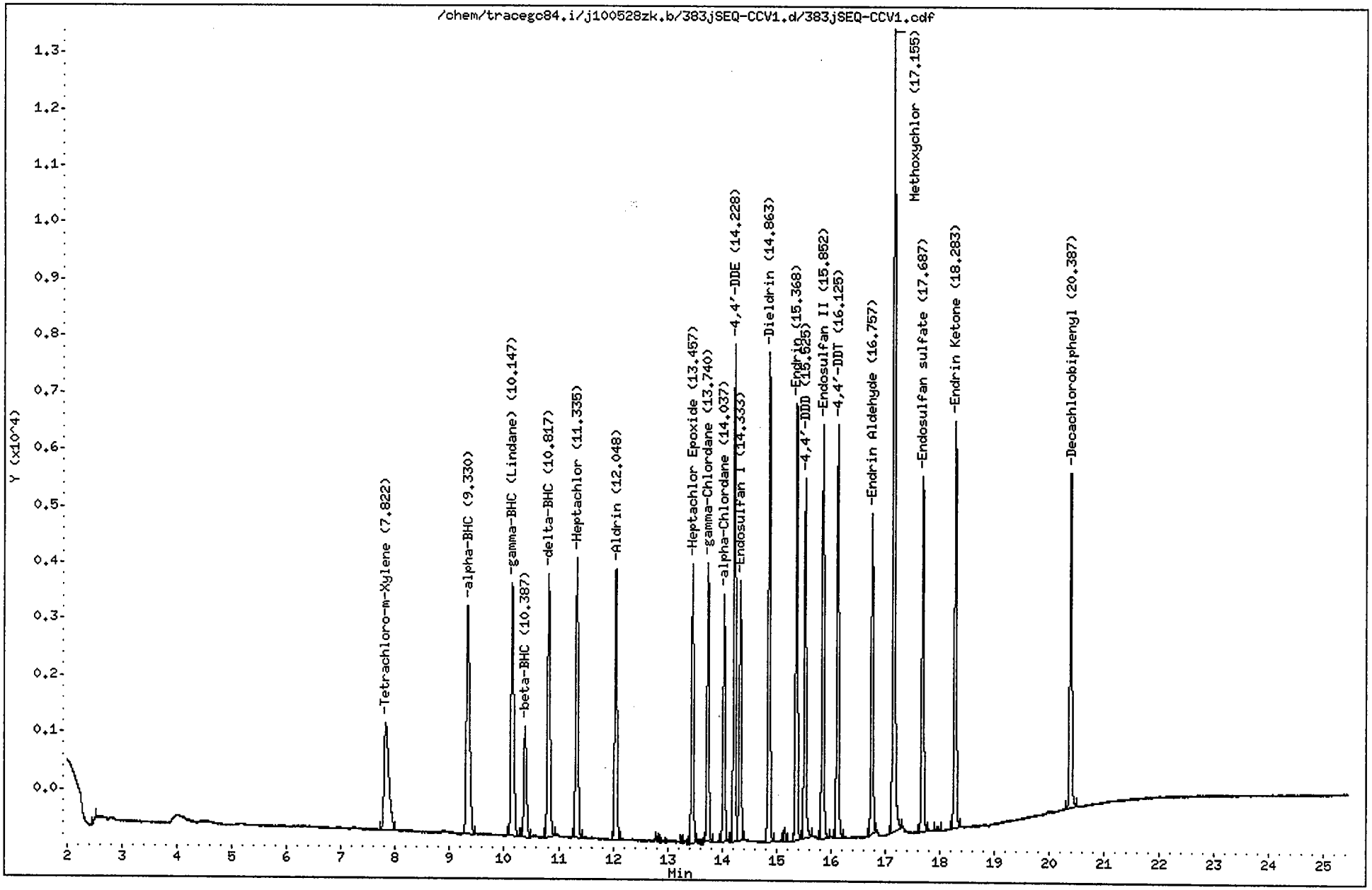
Sample Info: SEQ-CCV1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV1 Client Smp Id : INDC3MB
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 10-JUN-2010 11:46 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zk.b/8081A_clpestv6.m
Misc. Info : INDC3MB

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.35			129								
1.45			31314								
2.53			141								
7.82	7.77	7.91	11261	522758	Tetrachloro-m-Xylene	0.020000	563045	-7.7	20.0		
9.33	9.29	9.43	16736	775960	alpha-BHC	0.020000	836785	-7.8	20.0		
10.15	10.11	10.25	15738	729192	gamma-BHC (Lindane)	0.020000	786925	-7.9	20.0		
10.39	10.34	10.48	6453	300532	beta-BHC	0.020000	322648	-7.4	20.0		
10.82	10.77	10.91	14811	689518	delta-BHC	0.020000	740562	-7.4	20.0		
11.34	11.29	11.43	14822	695465	Heptachlor	0.020000	741085	-6.6	20.0		
12.05	12.01	12.15	13582	636570	Aldrin	0.020000	679080	-6.7	20.0		
12.82			306								
13.25			178								
13.46	13.42	13.56	12785	593700	Heptachlor Epoxide	0.020000	639235	-7.7	20.0		
13.74	13.70	13.84	12520	594875	gamma-Chlordane	0.020000	626015	-5.2	20.0		
14.04	14.00	14.14	11042	516712	alpha-Chlordane	0.020000	552105	-6.8	20.0		
14.23	14.19	14.33	21542	523741	4,4'-DDE	0.040000	538550	-2.8	20.0		
14.33	14.29	14.43	11928	548162	Endosulfan I	0.020000	596400	-8.8	20.0		
14.86	14.82	14.96	21750	515556	Dieldrin	0.040000	543762	-5.5	20.0		
15.15			564								
15.37	15.33	15.47	19634	463071	Endrin	0.040000	490862	-6.0	20.0		
15.52	15.48	15.62	15878	393458	4,4'-DDD	0.040000	396944	-0.9	20.0		
15.85	15.81	15.95	18810	450326	Endosulfan II	0.040000	470261	-4.4	20.0		
16.12	16.08	16.22	18094	454781	4,4'-DDT	0.040000	452348	0.5	20.0		
16.76	16.71	16.85	14260	348470	Endrin Aldehyde	0.040000	356494	-2.3	20.0		
17.16	17.11	17.25	37343	194359	Methoxychlor	0.200000	186717	3.9	20.0		
17.69	17.65	17.79	16120	392055	Endosulfan sulfate	0.040000	403000	-2.8	20.0		
17.96			224								
18.28	18.24	18.38	18526	457258	Endrin Ketone	0.040000	463149	-1.3	20.0		
20.39	20.33	20.47	15565	408350	Decachlorobiphenyl	0.040000	389119	4.7	20.0		

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Data File: /chem/tracegc84.i/j100528zk.b/384jSEQ-PEM1.d

Date : 10-JUN-2010 12:15

Client ID: PEMMB

Instrument: tracegc84.i

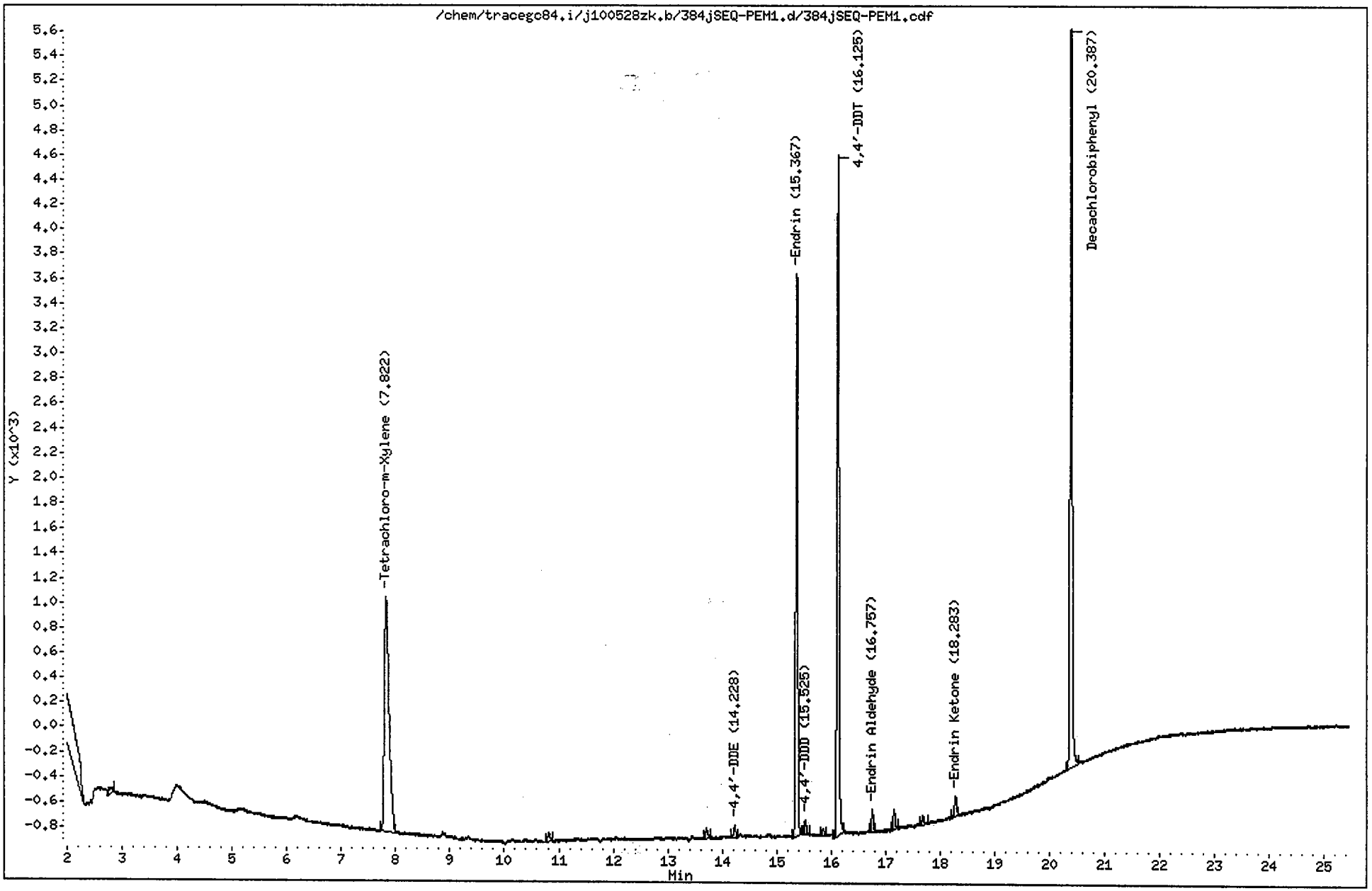
Sample Info: SEQ-PEM1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM1 Client Smp Id : PEMMB
Sample Type : SAMPLE Sublist : PEM
Inj Date : 10-JUN-2010 12:15 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zk.b/8081A_clpestv6.m
Misc. Info : PEMMB

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.36			587								
1.44			60792								
2.78			158								
7.82	7.77	7.91	11341	522758	Tetrachloro-m-Xylene	0.021694	0.021694		109.6	43 - 135	
10.82			187								
13.71			240								
14.23	14.19	14.33	266	523741	4,4'-DDE	0.000508	0.000508	0.020000			J
15.37	15.33	15.47	11379	463071	Endrin	0.024572	0.024572	0.020000			
15.52	15.48	15.62	276	393458	4,4'-DDD	0.000700	0.000700	0.020000			J
15.85			156								
16.12	16.08	16.22	13851	454781	4,4'-DDT	0.030457	0.030457	0.020000			
16.76	16.71	16.85	410	348470	Endrin Aldehyde	0.001175	0.001175	0.020000			J
17.16			379								
17.69			198								
18.28	18.24	18.38	423	457258	Endrin Ketone	0.000925	0.000925	0.020000			J
20.39	20.33	20.47	15926	408350	Decachlorobiphenyl	0.039001	0.039001		98.5	43 - 144	

Data File: /chem/tracegc84.i/j100528zk_2C.b/383jSEQ-CCV1.d

Date : 10-JUN-2010 11:46

Client ID: INDC3MB

Sample Info: SEQ-CCV1

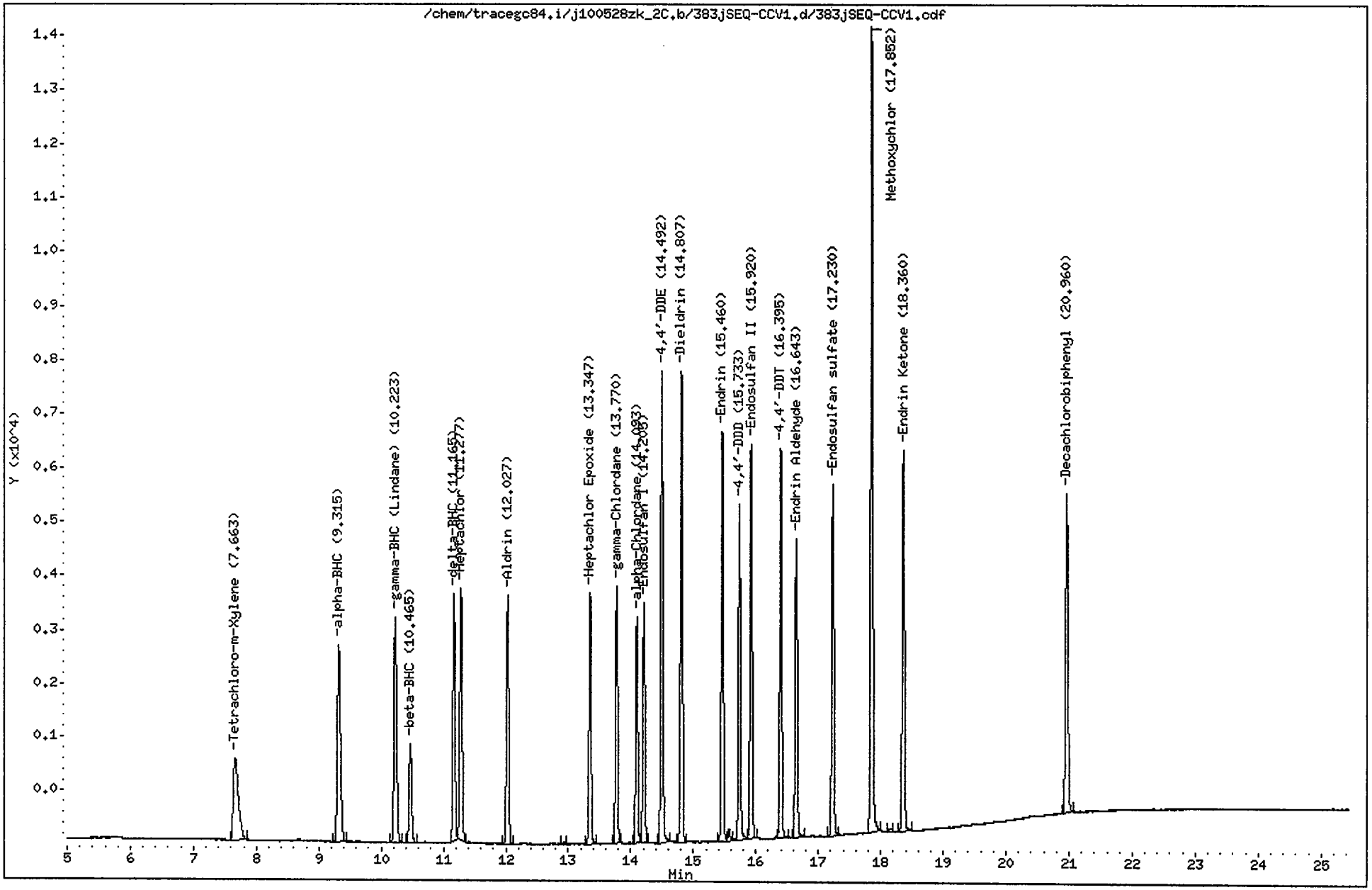
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV1 Client Smp Id : INDC3MB
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 10-JUN-2010 11:46 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zk_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3MB

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.44			8964								
2.47			246								
7.66	7.61	7.75	8603	416798	Tetrachloro-m-Xylene	0.020000	430127	-3.2	20.0		
9.32	9.26	9.40	12689	607758	alpha-BHC	0.020000	634435	-4.4	20.0		
10.22	10.17	10.31	12267	585542	gamma-BHC (Lindane)	0.020000	613368	-4.8	20.0		
10.46	10.41	10.55	5178	248610	beta-BHC	0.020000	258917	-4.1	20.0		
11.16	11.11	11.25	11224	551235	delta-BHC	0.020000	561213	-1.8	20.0		
11.28	11.22	11.36	12109	579497	Heptachlor	0.020000	605453	-4.5	20.0		
12.03	11.97	12.11	11312	542192	Aldrin	0.020000	565587	-4.3	20.0		
12.93			117								
13.35	13.29	13.43	10637	511912	Heptachlor Epoxide	0.020000	531835	-3.9	20.0		
13.77	13.71	13.85	10746	513150	gamma-Chlordane	0.020000	537315	-4.7	20.0		
14.09	14.04	14.18	9251	446248	alpha-Chlordane	0.020000	462547	-3.7	20.0		
14.20	14.15	14.29	9948	477982	Endosulfan I	0.020000	497407	-4.1	20.0		
14.49	14.43	14.57	19275	468602	4,4'-DDE	0.040000	481873	-2.8	20.0		
14.81	14.75	14.89	19330	461929	Dieldrin	0.040000	483255	-4.6	20.0		
15.46	15.40	15.54	17214	408649	Endrin	0.040000	430356	-5.3	20.0		
15.57			475								
15.73	15.67	15.81	13609	340626	4,4'-DDD	0.040000	340215	0.1	20.0		
15.92	15.86	16.00	16715	404930	Endosulfan II	0.040000	417877	-3.2	20.0		
16.40	16.33	16.47	15735	405929	4,4'-DDT	0.040000	393378	3.1	20.0		
16.64	16.59	16.73	13023	316985	Endrin Aldehyde	0.040000	325566	-2.7	20.0		
17.23	17.17	17.31	14777	366674	Endosulfan sulfate	0.040000	369423	-0.7	20.0		
17.85	17.79	17.93	34571	182916	Methoxychlor	0.200000	172853	5.5	20.0		
18.14			204								
18.36	18.30	18.44	16799	419519	Endrin Ketone	0.040000	419979	-0.1	20.0		
20.96	20.90	21.04	15439	406698	Decachlorobiphenyl	0.040000	385986	5.1	20.0		

Data File: /chem/tracegc84.i/j100528zk_2C.b/384jSEQ-PEM1.d

Date : 10-JUN-2010 12:15

Client ID: PEMMB

Sample Info: SEQ-PEM1

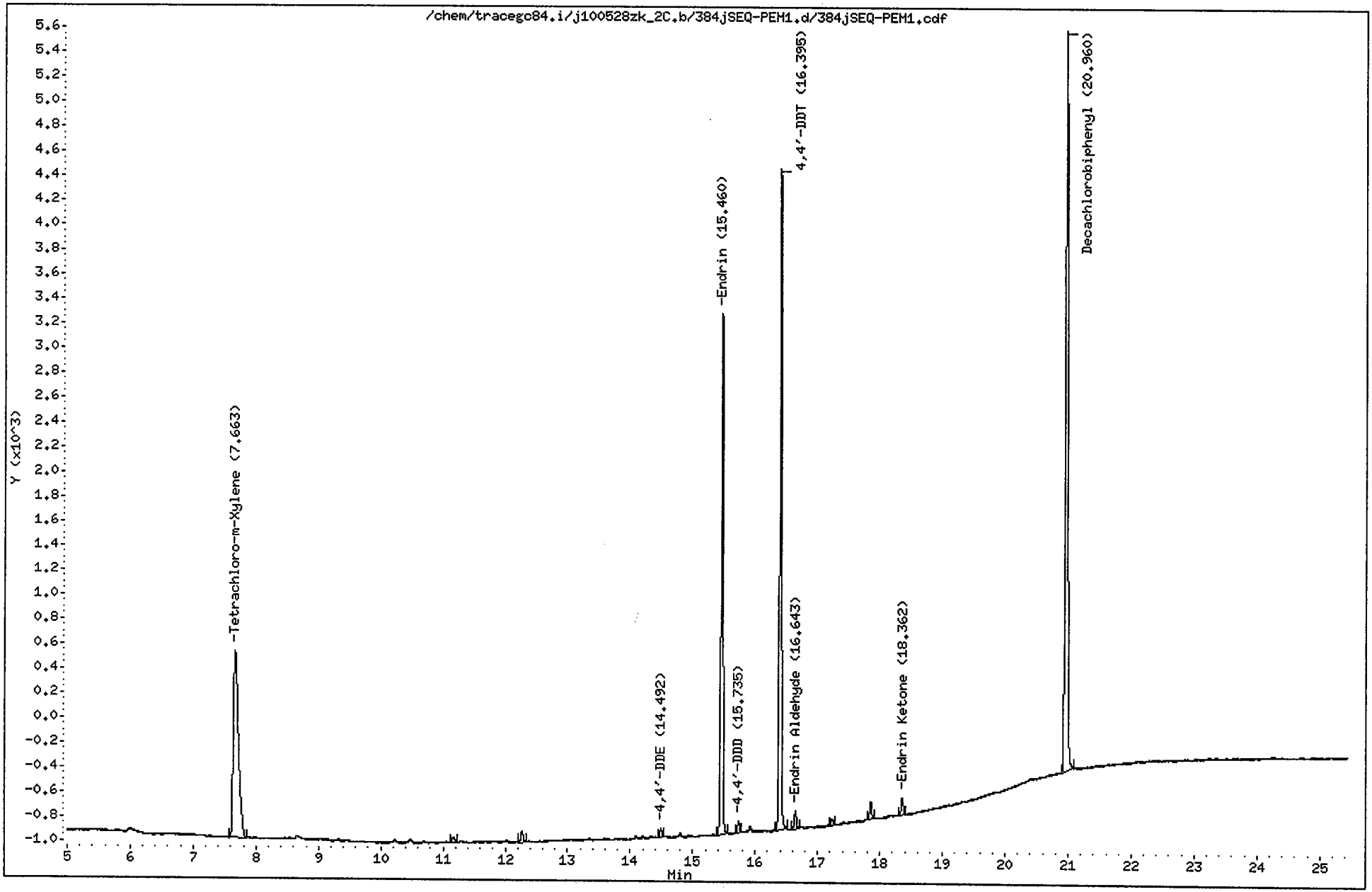
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM1 Client Smp Id : PEMMB
Sample Type : SAMPLE Sublist : PEM
Inj Date : 10-JUN-2010 12:15 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zk_2C.b/8081A_clpest2v6.m
Misc. Info : PEMMB

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.43			11696								
7.66	7.61	7.75	8695	416798	Tetrachloro-m-Xylene	0.020862	0.020862		105.4	43 - 135	
11.17			135								
12.27			218								
14.49	14.43	14.57	151	468602	4,4'-DDE	0.000323	0.000323	0.020000			J
15.46	15.40	15.54	9518	408649	Endrin	0.023292	0.023292	0.020000			
15.74	15.67	15.81	209	340626	4,4'-DDD	0.000614	0.000614	0.020000			J
16.40	16.33	16.47	11709	405929	4,4'-DDT	0.028845	0.028845	0.020000			
16.64	16.59	16.73	345	316985	Endrin Aldehyde	0.001088	0.001088	0.020000			J
17.23			120								
17.86			307								
18.36	18.30	18.44	350	419519	Endrin Ketone	0.000835	0.000835	0.020000			J
20.96	20.90	21.04	15689	406698	Decachlorobiphenyl	0.038577	0.038577		97.4	43 - 144	

16/11/10

Data File: /chem/tracegc84.i/j100528z1.b/394jSEQ-CCV2.d

Date : 10-JUN-2010 18:06

Client ID: INDC3MD

Sample Info: SEQ-CCV2

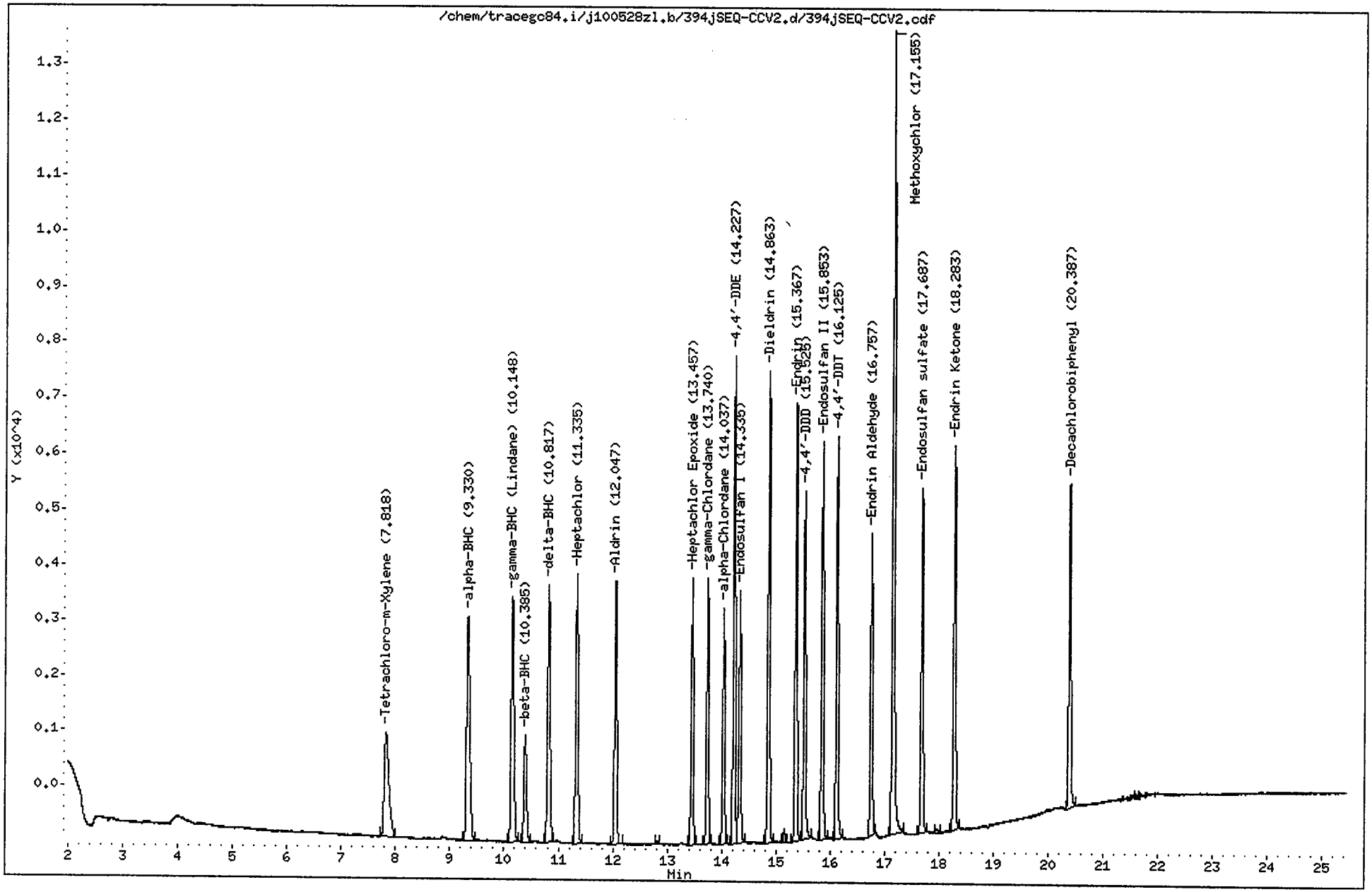
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV2 Client Smp Id : INDC3MD
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 10-JUN-2010 18:06 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zl.b/8081A_clpestv6.m
Misc. Info : INDC3MD

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.45			30324								
7.82	7.77	7.91	11107	522758	Tetrachloro-m-Xylene	0.020000	555350	-6.2	20.0		
9.33	9.29	9.43	16613	775960	alpha-BHC	0.020000	830635	-7.0	20.0		
10.15	10.11	10.25	15480	729192	gamma-BHC (Lindane)	0.020000	774013	-6.1	20.0		
10.38	10.34	10.48	6395	300532	beta-BHC	0.020000	319753	-6.4	20.0		
10.82	10.77	10.91	14532	689518	delta-BHC	0.020000	726610	-5.4	20.0		
11.34	11.29	11.43	14606	695465	Heptachlor	0.020000	730310	-5.0	20.0		
12.05	12.01	12.15	13400	636570	Aldrin	0.020000	669988	-5.2	20.0		
12.82			126								
13.46	13.42	13.56	12287	593700	Heptachlor Epoxide	0.020000	614345	-3.5	20.0		
13.74	13.70	13.84	12260	594875	gamma-Chlordane	0.020000	612980	-3.0	20.0		
14.04	14.00	14.14	10726	516712	alpha-Chlordane	0.020000	536295	-3.8	20.0		
14.23	14.19	14.33	21257	523741	4,4'-DDE	0.040000	531430	-1.5	20.0		
14.34	14.29	14.43	11695	548162	Endosulfan I	0.020000	584775	-6.7	20.0		
14.86	14.82	14.96	21440	515556	Dieldrin	0.040000	535991	-4.0	20.0		
15.15			552								
15.37	15.33	15.47	19895	463071	Endrin	0.040000	497381	-7.4	20.0		
15.52	15.48	15.62	15768	393458	4,4'-DDD	0.040000	394206	-0.2	20.0		
15.85	15.81	15.95	18356	450326	Endosulfan II	0.040000	458892	-1.9	20.0		
16.12	16.08	16.22	17714	454781	4,4'-DDT	0.040000	442840	2.6	20.0		
16.76	16.71	16.85	13809	348470	Endrin Aldehyde	0.040000	345220	0.9	20.0		
17.16	17.11	17.25	38234	194359	Methoxychlor	0.200000	191168	1.6	20.0		
17.69	17.65	17.79	15781	392055	Endosulfan sulfate	0.040000	394520	-0.6	20.0		
17.95			229								
18.28	18.24	18.38	17906	457258	Endrin Ketone	0.040000	447650	2.1	20.0		
20.39	20.33	20.47	15438	408350	Decachlorobiphenyl	0.040000	385952	5.5	20.0		
21.59			176								

Data File: /chem/tracegc84.i/j100528z1.b/395jSEQ-PEM2.d

Date : 10-JUN-2010 18:35

Client ID: PEMMD

Instrument: tracegc84.i

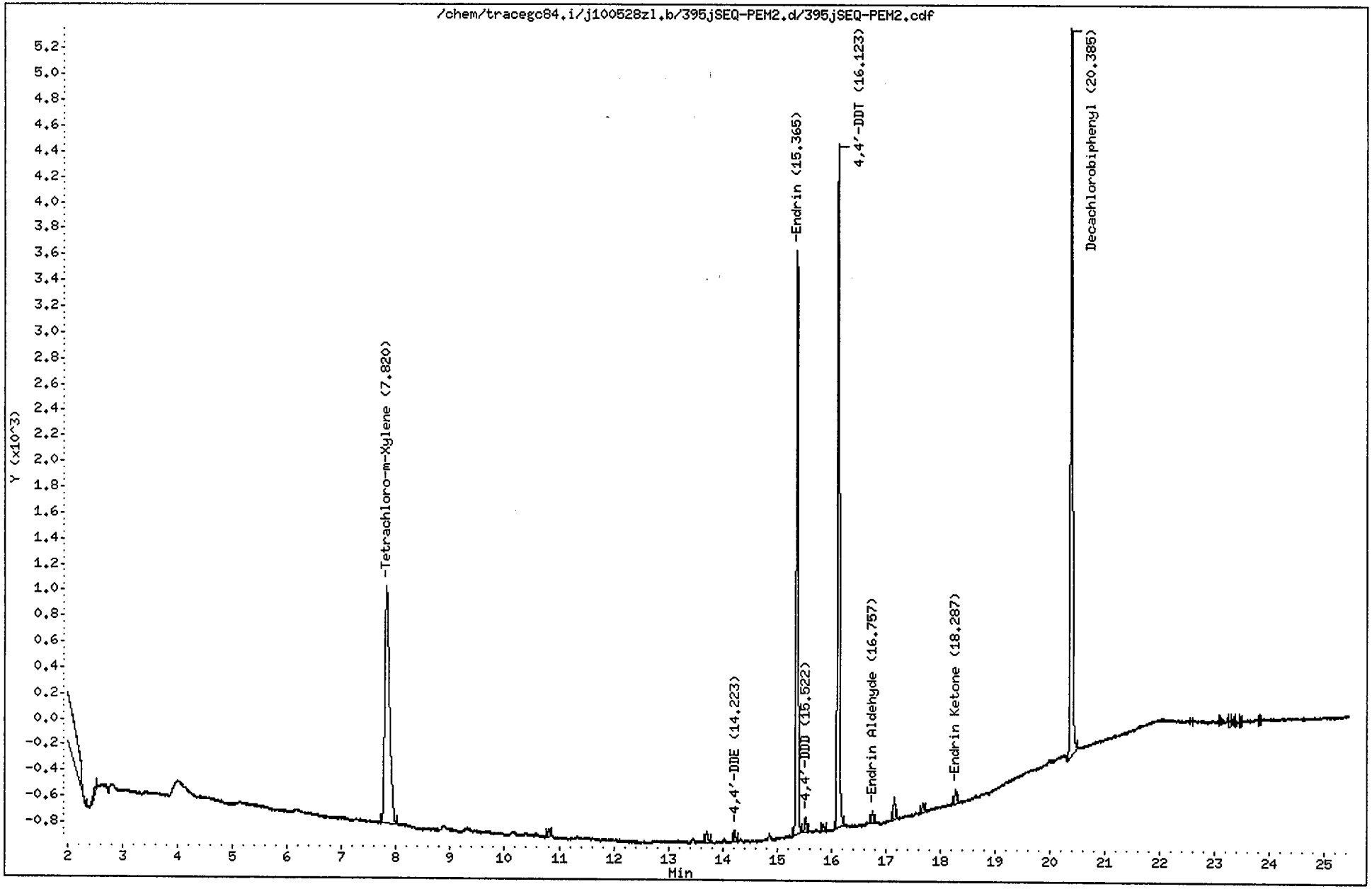
Sample Info: SEQ-PEM2

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM2 Client Smp Id : PEMMD
Sample Type : SAMPLE Sublist : PEM
Inj Date : 10-JUN-2010 18:35 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zl.b/8081A_clpestv6.m
Misc. Info : PEMMD

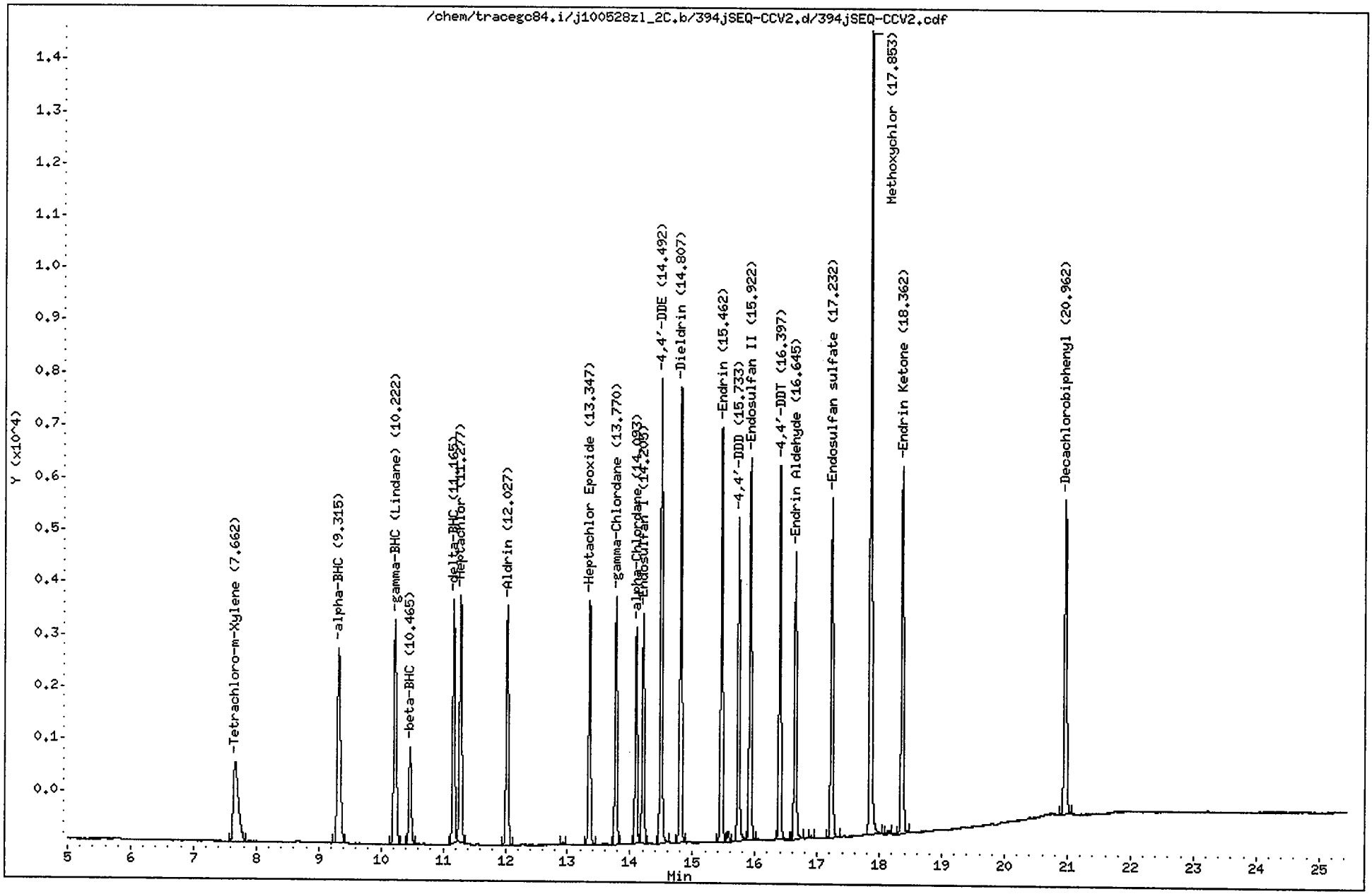
Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.37			541								
1.45			59686								
2.51			135								
7.82	7.77	7.91	11204	522758	Tetrachloro-m-Xylene	0.021432	0.021432		108.2	43 - 135	
10.82			178								
13.70			262								
14.22	14.19	14.33	215	523741	4,4'-DDE	0.000411	0.000411	0.020000			J
15.36	15.33	15.47	11329	463071	Endrin	0.024465	0.024465	0.020000			
15.52	15.48	15.62	279	393458	4,4'-DDD	0.000710	0.000710	0.020000			J
15.85			142								
16.12	16.08	16.22	13296	454781	4,4'-DDT	0.029236	0.029236	0.020000			
16.76	16.71	16.85	224	348470	Endrin Aldehyde	0.000643	0.000643	0.020000			J
17.15			397								
17.68			183								
18.29	18.24	18.38	293	457258	Endrin Ketone	0.000641	0.000641	0.020000			J
20.38	20.33	20.47	15191	408350	Decachlorobiphenyl	0.037200	0.037200		93.9	43 - 144	
23.25			140								

Data File: /chem/tracegc84.i/j100528z1_2C.b/394jSEQ-CCV2.d
Date : 10-JUN-2010 18:06
Client ID: INDC3MD
Sample Info: SEQ-CCV2
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc84.i
Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV2 Client Smp Id : INDC3MD
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 10-JUN-2010 18:06 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zl_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3MD

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.31			127								
1.45			9321								
2.45			109								
7.66	7.61	7.75	8654	416798	Tetrachloro-m-Xylene	0.020000	432725	-3.8	20.0		
9.32	9.26	9.40	12722	607758	alpha-BHC	0.020000	636112	-4.7	20.0		
10.22	10.17	10.31	12290	585542	gamma-BHC (Lindane)	0.020000	614475	-4.9	20.0		
10.46	10.41	10.55	5154	248610	beta-BHC	0.020000	257685	-3.7	20.0		
11.16	11.11	11.25	11239	551235	delta-BHC	0.020000	561935	-1.9	20.0		
11.28	11.22	11.36	12116	579497	Heptachlor	0.020000	605805	-4.5	20.0		
12.03	11.97	12.11	11278	542192	Aldrin	0.020000	563902	-4.0	20.0		
12.93			106								
13.35	13.29	13.43	10586	511912	Heptachlor Epoxide	0.020000	529280	-3.4	20.0		
13.77	13.71	13.85	10633	513150	gamma-Chlordane	0.020000	531645	-3.6	20.0		
14.09	14.04	14.18	9154	446248	alpha-Chlordane	0.020000	457700	-2.6	20.0		
14.20	14.15	14.29	9844	477982	Endosulfan I	0.020000	492213	-3.0	20.0		
14.49	14.43	14.57	19225	468602	4,4'-DDE	0.040000	480636	-2.6	20.0		
14.81	14.75	14.89	19208	461929	Dieldrin	0.040000	480190	-4.0	20.0		
15.46	15.40	15.54	17656	408649	Endrin	0.040000	441410	-8.0	20.0		
15.57			463								
15.73	15.67	15.81	13590	340626	4,4'-DDD	0.040000	339761	0.3	20.0		
15.92	15.86	16.00	16559	404930	Endosulfan II	0.040000	413976	-2.2	20.0		
16.40	16.33	16.47	15758	405929	4,4'-DDT	0.040000	393960	2.9	20.0		
16.64	16.59	16.73	12786	316985	Endrin Aldehyde	0.040000	319650	-0.8	20.0		
16.90			111								
17.23	17.17	17.31	14866	366674	Endosulfan sulfate	0.040000	371640	-1.4	20.0		
17.85	17.79	17.93	35593	182916	Methoxychlor	0.200000	177967	2.7	20.0		
18.14			206								
18.36	18.30	18.44	16493	419519	Endrin Ketone	0.040000	412322	1.7	20.0		
20.96	20.90	21.04	15464	406698	Decachlorobiphenyl	0.040000	386597	4.9	20.0		

Data File: /chem/tracegc84.i/j100528z1_2C.b/395jSEQ-PEM2.d

Date : 10-JUN-2010 18:35

Client ID: PEMMD

Sample Info: SEQ-PEM2

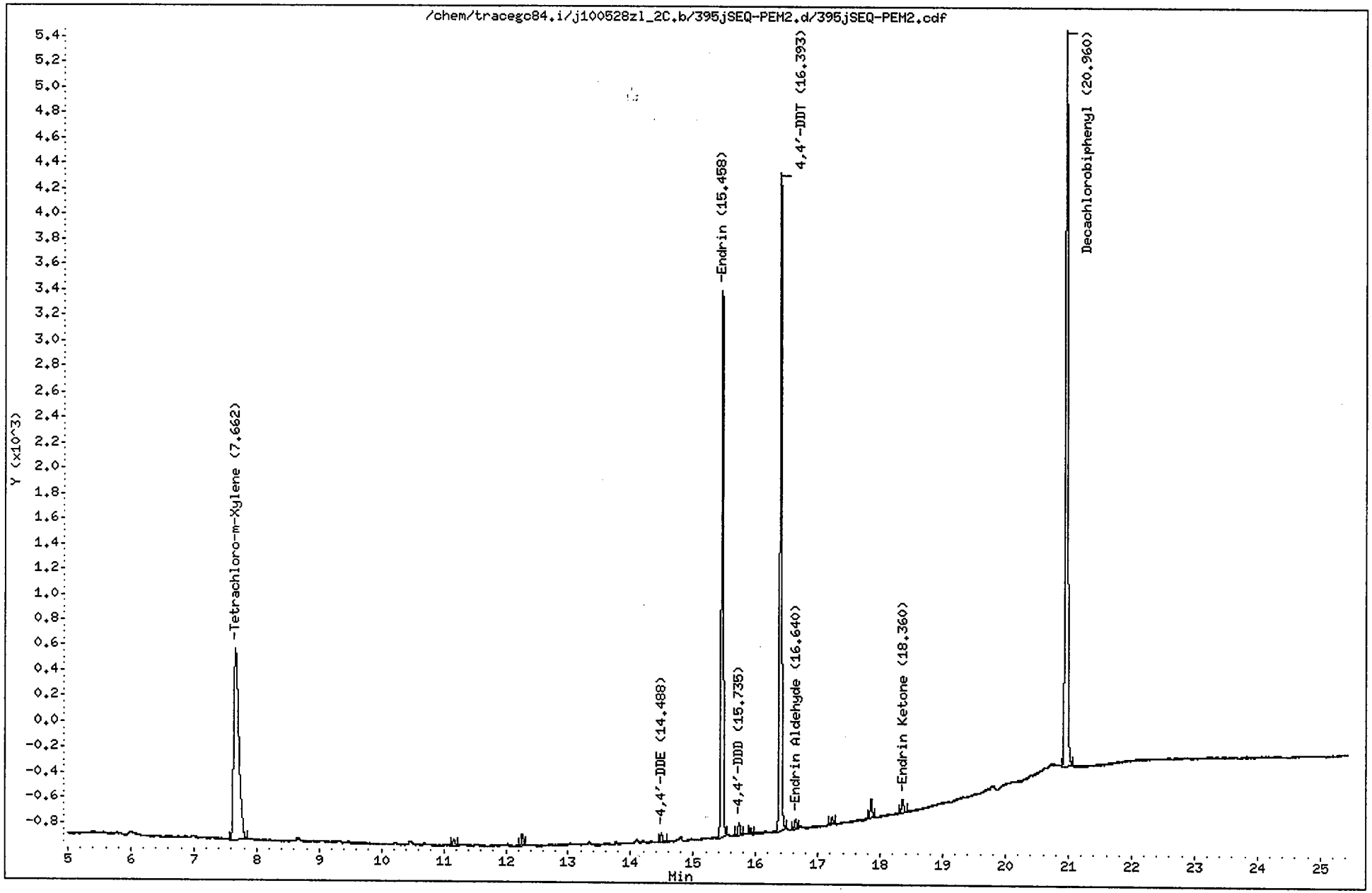
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM2 Client Smp Id : PEMMD
Sample Type : SAMPLE Sublist : PEM
Inj Date : 10-JUN-2010 18:35 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zl_2C.b/8081A_clpest2v6.m
Misc. Info : PEMMD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.44			9725								
2.41			120								
7.66	7.61	7.75	8659	416798	Tetrachloro-m-Xylene	0.020775	0.020775		104.9	43 - 135	
11.16			131								
12.27			213								
14.49	14.43	14.57	191	468602	4,4'-DDE	0.000407	0.000407	0.020000			J
15.46	15.40	15.54	9669	408649	Endrin	0.023660	0.023660	0.020000			
15.74	15.67	15.81	229	340626	4,4'-DDD	0.000674	0.000674	0.020000			J
15.92			104								
16.39	16.33	16.47	11480	405929	4,4'-DDT	0.028281	0.028281	0.020000			
16.64	16.59	16.73	188	316985	Endrin Aldehyde	0.000595	0.000595	0.020000			J
17.23			138								
17.85			346								
18.36	18.30	18.44	264	419519	Endrin Ketone	0.000628	0.000628	0.020000			J
20.96	20.90	21.04	15119	406698	Decachlorobiphenyl	0.037175	0.037175		93.9	43 - 144	

COMPUCHEM a Division of Liberty Analytical Corp Instrument ID 84/85 Sequence ID: 100528 Date 5/28/10

GC EXTRACTABLES RUN LOG Amt.Inj. 2 µL (1 µL per column)

LOGBOOK 4 N (4) 38 Method: 8081A 8081B 8082 8082A 8151A SOM01.2 or Other: _____

259

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		1	✓	5/28/10	Hexane	STD	NA	AHW	NA
2		2	✓	/ /	Hexane	↓			↓
3		3	✓	/ /	0E27012 - PEM1	GE21002			PEMHA
4		4	✓	/ /	CAL 1	0C26001			INDC1 HA
5		5	✓	/ /	2	0C26002			2
6		6	✓	/ /	3	0E11005			3
7		7	✓	/ /	4	0C26004			4
8		8	✓	/ /	5	0C26005			5
9		9	✓	/ /	ARC1	0016008			TOXAPH3HA
10		10	✓	/ /	2	0C02004			CHLOR03HA
11		11	✓	/ /	CAL6 ~~CAL5~~ AHW 6/1/10	0824009			AR16601HA
12		12	✓	/ /	CAL7	0824010			2
13		13	✓	/ /	8	0E14002			3
14		14	✓	/ /	9	0824013			4
15		15	✓	AHW 6/1/10 /	A	0824014			5
16		16	✓	5~~3~~/29/10	ARC3	0E20004			AR12213HA
17		17	✓	/ /	4	0E18016			1232
18		18	✓	/ /	5	0E20010			1242
19		19	✓	/ /	6	0E17012			1248
20		20	✓	/ /	7	0C17011			1254

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Calibration ID: N/A - 6/1/10 Sequence ID: 0E27012 Hexane Lot No 71940

REVIEWED BY: [signature] DATE 6/1/10

03/17/10: jad

COMPUCHEM a Division of Liberty Analytical Corp Instrument ID 84/85 Sequence ID: 1100528 Date 5/29/10

GC EXTRACTABLES RUN LOG Amt.Inj. 2 µL (1 µL per column)

LOGBOOK 4 N (4) 38 Method: ~~8081A~~ 8081B 8082 8082A 8151A SOM01.2 or Other: _____

260

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		21	✓	5/29/10	0E27012-ICV1	0E25016	NA	AHW	PESTCHKHA
2		22	✓	↓ /	↓ ICV2	0801002	↓	↓	PCBCHKHA
3				/ /					
4				/ /					
5				/ /					
6				/ /					
7				/ /					
8				/ /					
9				/ /					
10				/ /					
11				/ /					
12				/ /					
13				/ /					
14				/ /					
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
20				/ /					

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Calibration ID: _____ Sequence ID: 0E27012 Hexane Lot No 71940

REVIEWED BY: _____ DATE 6/1/10

03/17/10: jad

COMPUCHEM a Division of Liberty Analytical Corp
GC EXTRACTABLES RUN LOG
LOGBOOK 4 N (4) 39

Instrument ID: 84 Sequence ID: 100518ak Date 6/10/10

Amt.Inj. 2 µL (1 µL per column)

Method: (8081A) 8081B 8082 8082A 8151A SOM01.2 ARO SOM01.2 Pest SOM01.2 or Other: _____

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		381		6/10/10	SEW-1661	OF08W8		LQ	
2		382		/ /	-CCB1	↓	PBMCHAMB		
3		383		/ /	-CCV1	0E11005	1-MCLMB		
4		384		/ /	-PEM1	0E21002	PFMB		
5		385		/ /	0060122-BL1	100518O			
6		386		/ /	-BS1				
7		387		/ /	-BSD1				
8		388		/ /	100518O-61				
9		389		/ /	a				
10		390		/ /	B				
11		391		/ /	Y				
12		392		/ /	SEW-1662	0F08W8			
13				/ /					
14				/ /					
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
20				/ /					

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Calibration ID: NA Sequence ID: NA Hexane Lot No 7/940

REVIEWED BY: KEH DATE 6/11/10

KEH 6/11/10

05/20/10: jad

COMPUCHEM a Division of Liberty Analytical Corp
GC EXTRACTABLES RUN LOG
LOGBOOK 4 N (4) 39

Instrument ID: 84 Sequence ID: j100528z1 Date 6/10/10
Amt.Inj. 2 µL (1 µL per column)

Method: (8081A) 8081B 8082 8082A 8151A SOM01.2 ARO SOM01.2 Pest SOM01.2 or Other: _____

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		343	/	6/10/10	SEQ - CCB2	OFU8W8	PIBYCHCMD	LD	
2		344	/	/ /	-CCV2	DEIIW5	IWBCBMD		
3		345	/	/ /	-PEM2	DE21002	PEMMD		
4		346		/ /	006 0114-BK1	10U178			
5		347		/ /	-BS1				
6		348		/ /	-MS1				
7		349		/ /	-MSD1				
8		400		/ /	10U178-01				
9		401		/ /	02				
10		402		/ /	03				
11		403		/ /	04				
12		404		/ /	05				
13		405		/ /	SEQ ~~1643~~ 6/11/10	OFU8W8			
14				/ /					
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
20				/ /					

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

KEH 6/11/10

Calibration ID: NA Sequence ID: NA Hexane Lot No 71940

REVIEWED BY: KEH DATE 6/11/10

05/20/10: jad

4. Raw QC Data

    a. Blank Data

    b. Laboratory Control Sample Data

    c. Matrix Spike Data

    d. Matrix Spike Duplicate Data

a. Blank Data

Arranged by type of blank

i) Method blanks shall be in chronological order, by extraction date.
ii) Instrument blanks shall be in chronological order, by GC column and instrument.
iii) Sulfur cleanup blanks (if needed) shall be in chronological order, by date of analysis.

- Tabulated Results (Form I)
- Chromatograms and date system printout(s) for each GC column and instrument used for analysis.

1D

EPA SAMPLE NO.

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

PBLKDX

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Matrix: (soil/water) SOIL Lab Sample ID: 0060122-BLK1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:06/01/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/10/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	1.7	U
319-85-7	beta-BHC	0.85	U
319-84-6	alpha-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
72-54-8	4,4'-DDD	3.3	U
72-55-9	4,4'-DDE	3.3	U
50-29-3	4,4'-DDT	3.3	U
60-57-1	Dieldrin	3.3	U
959-98-8	Endosulfan I	1.7	U
33213-65-9	Endosulfan II	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
72-20-8	Endrin	3.3	U
7421-93-4	Endrin Aldehyde	3.3	U
76-44-8	Heptachlor	1.7	U
1024-57-3	Heptachlor Epoxide	1.7	U
72-43-5	Methoxychlor	17	U
8001-35-2	Toxaphene	83	U
53494-70-5	Endrin Ketone	3.3	U
5103-74-2	gamma-Chlordane	1.7	U
5103-71-9	alpha-Chlordane	1.7	U

Data File: /chem/tracegc84.i/j100528zk.b/385j0060122-BLK1.d

Date : 10-JUN-2010 13:47

Client ID: PBLKDX

Instrument: tracegc84.i

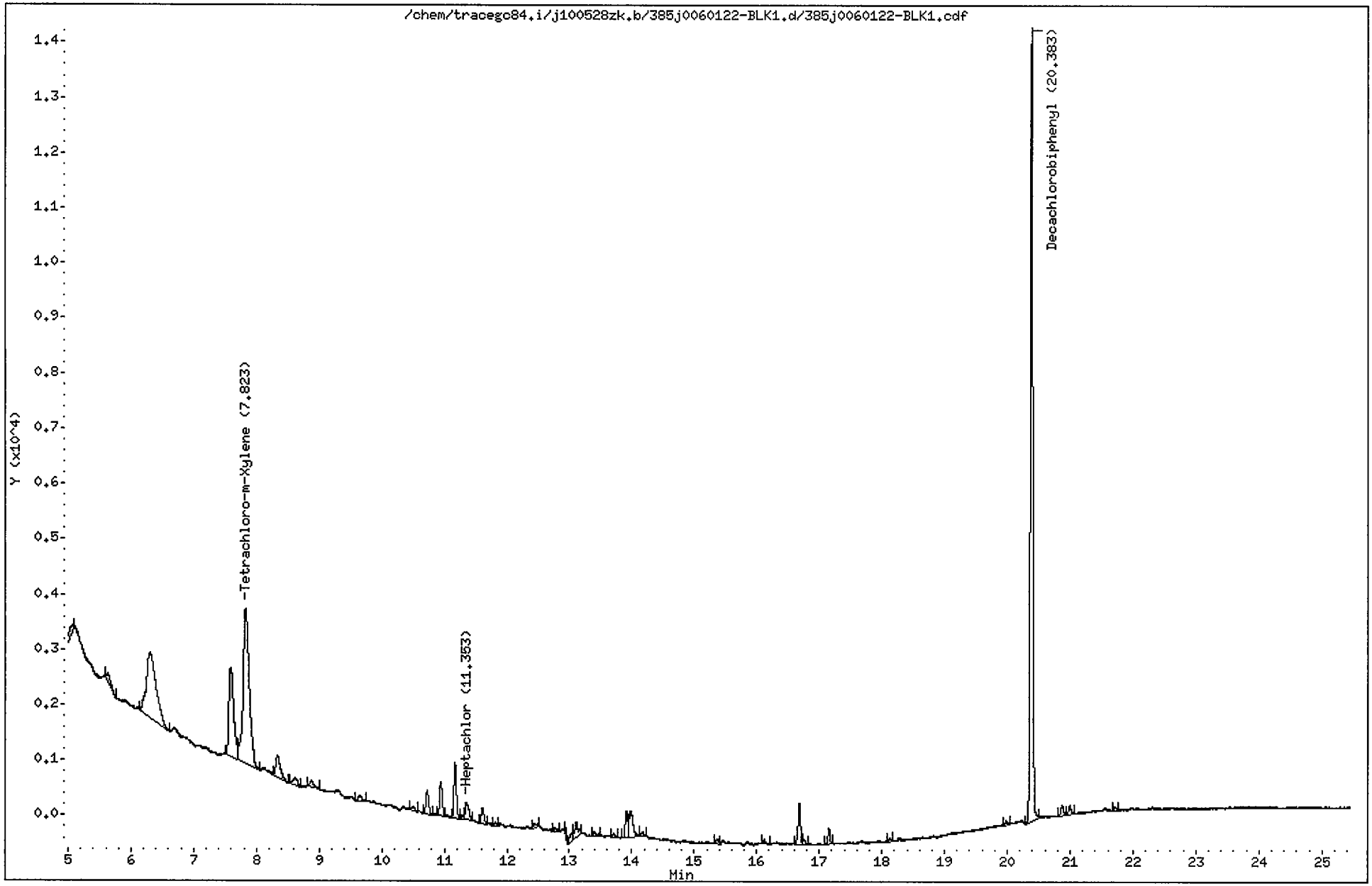
Sample Info: 0060122-BLK1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0060122-BLK1 Client Smp Id : PBLKDX
Sample Type : BLANK Sublist : DODPEST
Inj Date : 10-JUN-2010 13:47 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zk.b/8081A_clpestv6.m
Misc. Info : PBLKDX

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.41		56331844								
3.65		2822								
4.57		19984								
5.04		596								
5.62		672								
6.30		12878								
7.59		8814								
7.82	7.77 7.91	19146	522758	Tetrachloro-m-Xylene	0.036625	6.104169		61.0*	70 - 125	R
8.33		2065								
8.61		667								
8.88		466								
9.65		427								
10.50		260								
10.72		1312								
10.94		1787								
11.17		2939								
11.29		179								
11.35	11.29 11.43	1316	695465	Heptachlor	0.001892	0.315377	1.700000			J
11.61		855								
11.81		153								
12.44		305								
12.76		205								
12.94		275								
13.04		465								
13.11		1076								
13.39		278								
13.71		169								
13.91		1286								
13.98		2265								
14.17		280								
15.37		204								
16.13		192								
16.68		2008								
16.76		256								
17.15		676								
18.14		125								
19.98		194								

CompuChem

Lab Smp Id : 0060122-BLK1 Client Smp Id : PBLKDX
Sample Type : BLANK Sublist : DODPEST
Inj Date : 10-JUN-2010 13:47 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zk.b/8081A_clpestv6.m
Misc. Info : PBLKDX

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
20.38	20.33 20.47	37359	408350	Decachlorobiphenyl	0.091485	15.24754		76.2	55 - 130	
20.87		532								
21.00		464								
21.71		195								

Data File: /chem/tracegc84.i/j100528zk_2C.b/385j0060122-BLK1.d

Date : 10-JUN-2010 13:47

Client ID: PBLKDX

Instrument: tracegc84.i

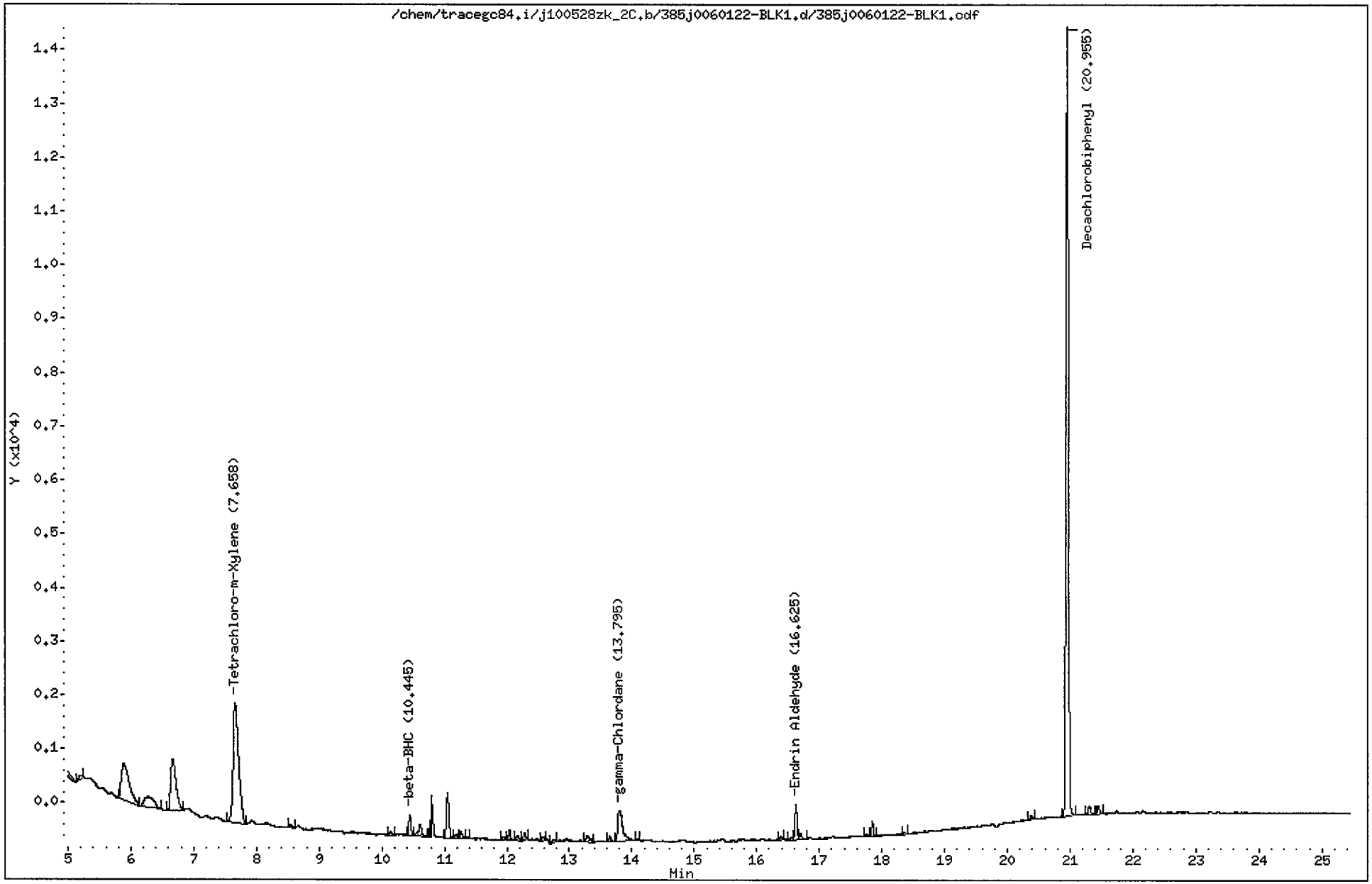
Sample Info: 0060122-BLK1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0060122-BLK1 Client Smp Id : PBLKDX
Sample Type : BLANK Sublist : DODPEST
Inj Date : 10-JUN-2010 13:47 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zk_2C.b/8081A_clpest2v6.m
Misc. Info : PBLKDX

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.49		11216171								
1.69		36324072								
2.97		767								
3.81		131								
4.12		3853								
4.82		3228								
5.19		330								
5.89		5895								
6.27		2128								
6.67		5672								
7.66	7.61 7.75	13466	416798	Tetrachloro-m-Xylene	0.032308	5.384709		53.8*	70 - 125	R
8.54		192								
10.14		190								
10.44	10.41 10.55	1009	248610	beta-BHC	0.004055	0.675757	1.700000			J
10.61		892								
10.80		771								
11.05		2286								
11.19		232								
11.26		301								
11.36		97								
11.95		206								
12.04		402								
12.17		257								
12.29		343								
12.57		166								
12.75		183								
13.28		510								
13.65		247								
13.80	13.71 13.85	3228	513150	gamma-Chlordane	0.006291	1.048426	1.700000			J
14.08		92								
16.39		132								
16.55		101								
16.62	16.59 16.73	1452	316985	Endrin Aldehyde	0.004578	0.762917	3.300000			J
16.70		288								
17.76		107								
17.84		568								
18.36		91								

6/11/10

CompuChem

Lab Smp Id : 0060122-BLK1 Client Smp Id : PBLKDX
Sample Type : BLANK Sublist : DODPEST
Inj Date : 10-JUN-2010 13:47 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528zk_2C.b/8081A_clpest2v6.m
Misc. Info : PBLKDX

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
20.39		134								
20.96	20.90 21.04	37902	406698	Decachlorobiphenyl	0.093195	15.53243		77.7	55 - 130	
21.31		424								
21.45		353								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKMA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/10/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

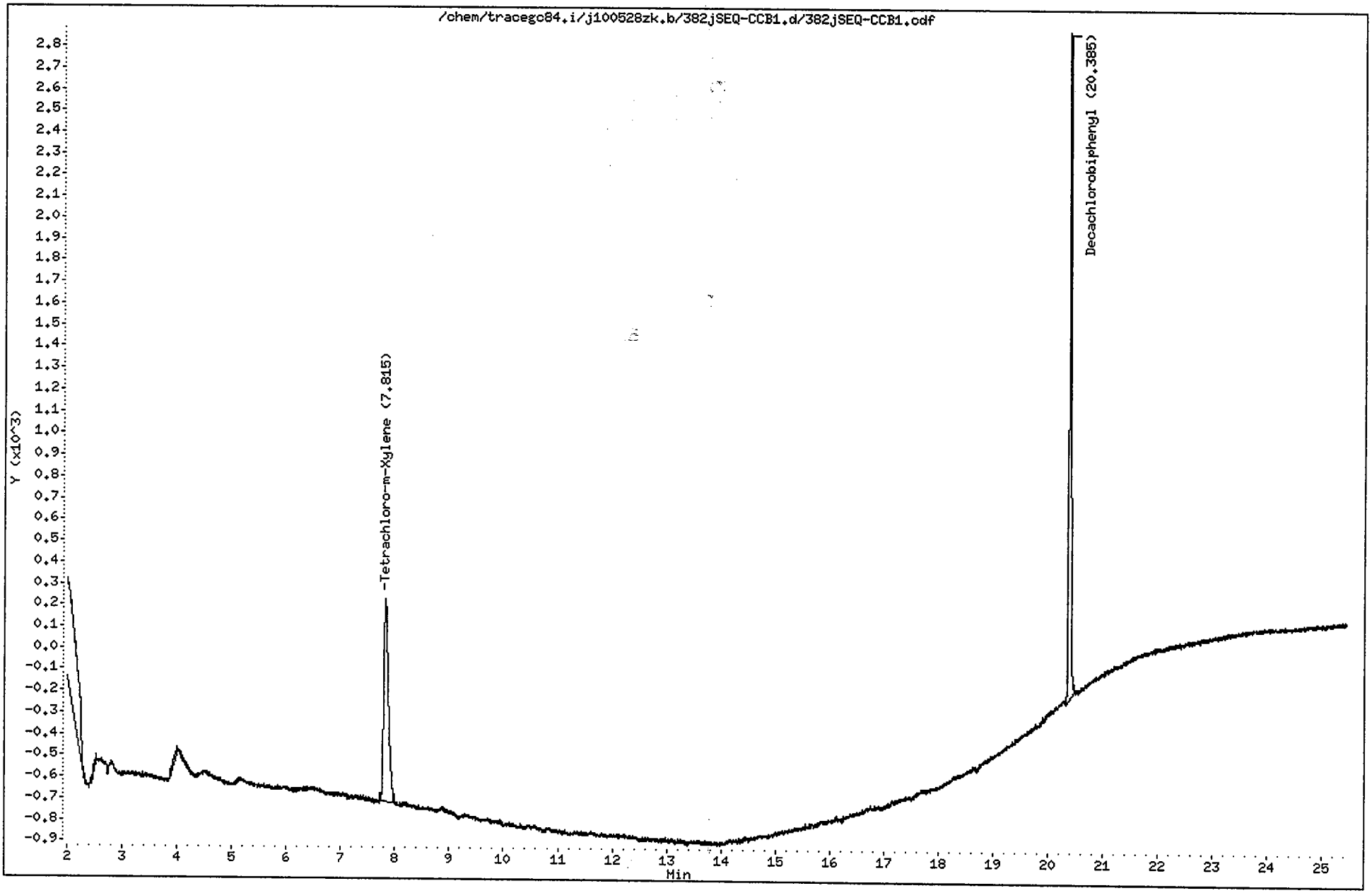
GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc84.i/j100528zk.b/382jSEQ-CCB1.d
Date : 10-JUN-2010 11:17
Client ID: PIBLKMA
Sample Info: SEQ-CCB1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB1 Client Smp Id : PIBLKMA
Sample Type : INSTBLANK Sublist : all
Inj Date : 10-JUN-2010 11:17 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zk.b/8081A_clpestv6.m
Misc. Info : PIBLKMAMB

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 2000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.35			411						
1.45			62659						
2.52			152						
3.98			128						
7.82	7.77	7.91	5605	522758	Tetrachloro-m-Xylene	0.010723	0.021446		
20.38	20.33	20.47	8135	408350	Decachlorobiphenyl	0.019921	0.039842		

6/11/10

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKMB

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/10/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

FORM I PEST

Data File: /chem/tracegc84.i/j100528zk_2C.b/382jSEQ-CCB1.d

Date : 10-JUN-2010 11:17

Client ID: PIBLKMB

Instrument: tracegc84.i

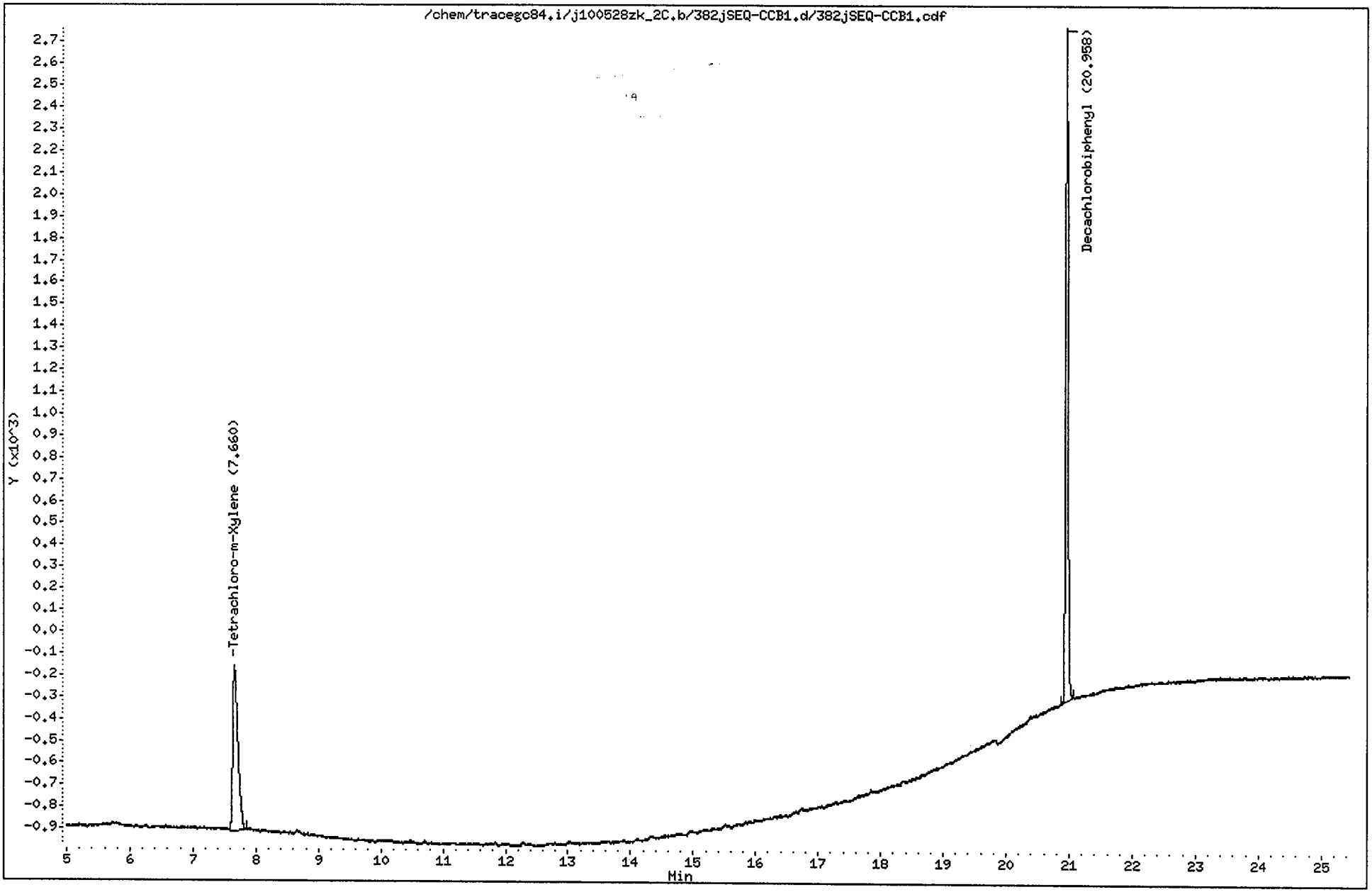
Sample Info: SEQ-CCB1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB1 Client Smp Id : PIBLKMB
Sample Type : INSTBLANK Sublist : all
Inj Date : 10-JUN-2010 11:17 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zk_2C.b/8081A_clpest2v6.m
Misc. Info : PIBLKMAMB

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.31			124						
1.44			12358						
2.42			104						
7.66	7.61	7.75	4266	416798	Tetrachloro-m-Xylene	0.010235	0.051174		
20.96	20.90	21.04	8034	406698	Decachlorobiphenyl	0.019753	0.098766		

1D

EPA SAMPLE NO.

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

PIBLKMC

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/10/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc84.i/j100528z1.b/393jSEQ-CCB2.d

Date : 10-JUN-2010 17:37

Client ID: PIBLKMC

Instrument: tracegc84.i

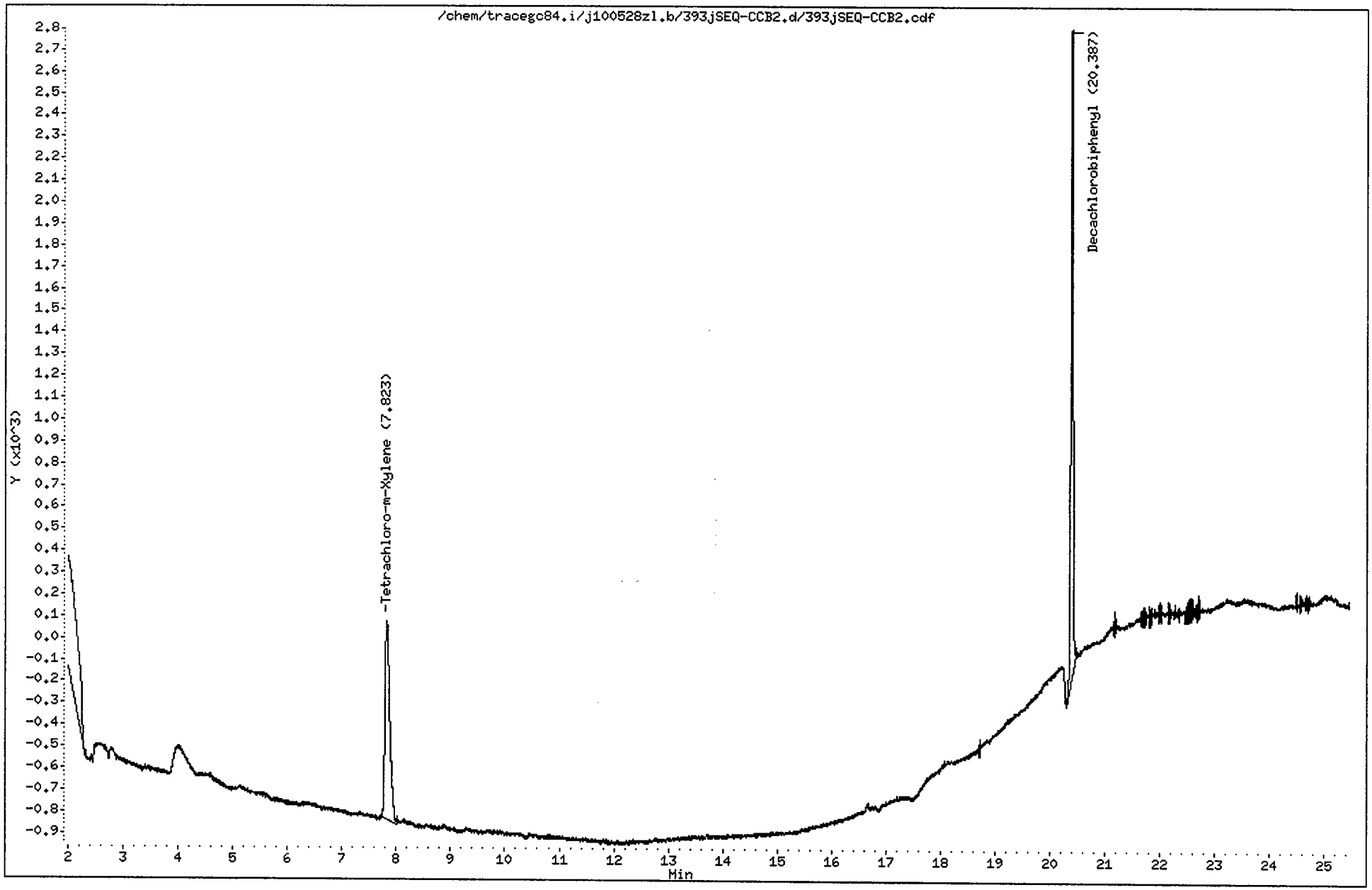
Sample Info: SEQ-CCB2

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB2 Client Smp Id : PIBLKMC
Sample Type : INSTBLANK Sublist : all
Inj Date : 10-JUN-2010 17:37 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zl.b/8081A_clpestv6.m
Misc. Info : PIBLKMCMD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 2000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.35			417						
1.46			62998						
7.82	7.77	7.91	5636	522758	Tetrachloro-m-Xylene	0.010782	0.021563		
20.39	20.33	20.47	8187	408350	Decachlorobiphenyl	0.020049	0.040099		

6/11/10

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKMD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/10/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc84.i/j100528z1_2C.b/393jSEQ-CCB2.d

Date : 10-JUN-2010 17:37

Client ID: PIBLKMD

Sample Info: SEQ-CCB2

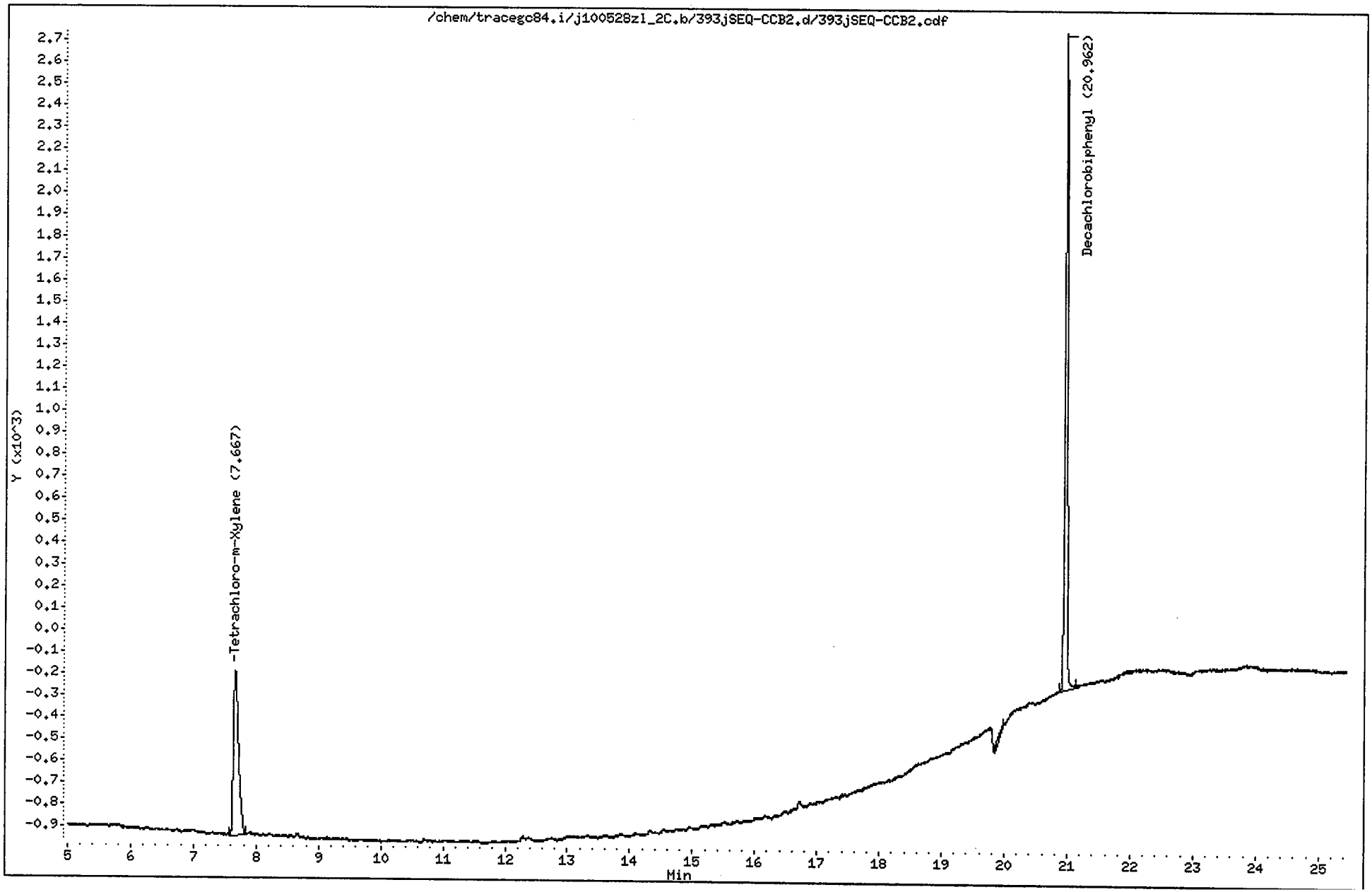
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB2 Client Smp Id : PIBLKMD
Sample Type : INSTBLANK Sublist : all
Inj Date : 10-JUN-2010 17:37 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528zl_2C.b/8081A_clpest2v6.m
Misc. Info : PIBLKMCMD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.31			97						
1.45			9341						
7.67	7.61	7.75	4295	416798	Tetrachloro-m-Xylene	0.010304	0.051518		
19.97			149						
20.96	20.90	21.04	7893	406698	Decachlorobiphenyl	0.019408	0.097040		

b. Laboratory Control Sample Data

Arranged in chronological order, by extraction date.

- Tabulated Results (Form I)

- Chromatograms and data system printout(s)

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDXLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Matrix: (soil/water) SOIL Lab Sample ID: 0060122-BS1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:06/01/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/10/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	3.8	
319-85-7	beta-BHC	4.0	
319-84-6	alpha-BHC	4.2	
319-86-8	delta-BHC	4.4	
58-89-9	gamma-BHC (Lindane)	3.8	
72-54-8	4,4'-DDD	11	
72-55-9	4,4'-DDE	10	
50-29-3	4,4'-DDT	9.6	
60-57-1	Dieldrin	11	
959-98-8	Endosulfan I	3.8	
33213-65-9	Endosulfan II	11	
1031-07-8	Endosulfan sulfate	10	
72-20-8	Endrin	10	
7421-93-4	Endrin Aldehyde	7.4	
76-44-8	Heptachlor	4.6	
1024-57-3	Heptachlor Epoxide	4.5	
72-43-5	Methoxychlor	11	J
8001-35-2	Toxaphene	83	U
53494-70-5	Endrin Ketone	11	
5103-74-2	gamma-Chlordane	4.1	
5103-71-9	alpha-Chlordane	4.6	

Data File: /chem/tracegc84.i/j100528zk_2C.b/386j0060122-BS1.d

Date : 10-JUN-2010 14:15

Client ID: PDXLCS

Sample Info: 0060122-BS1

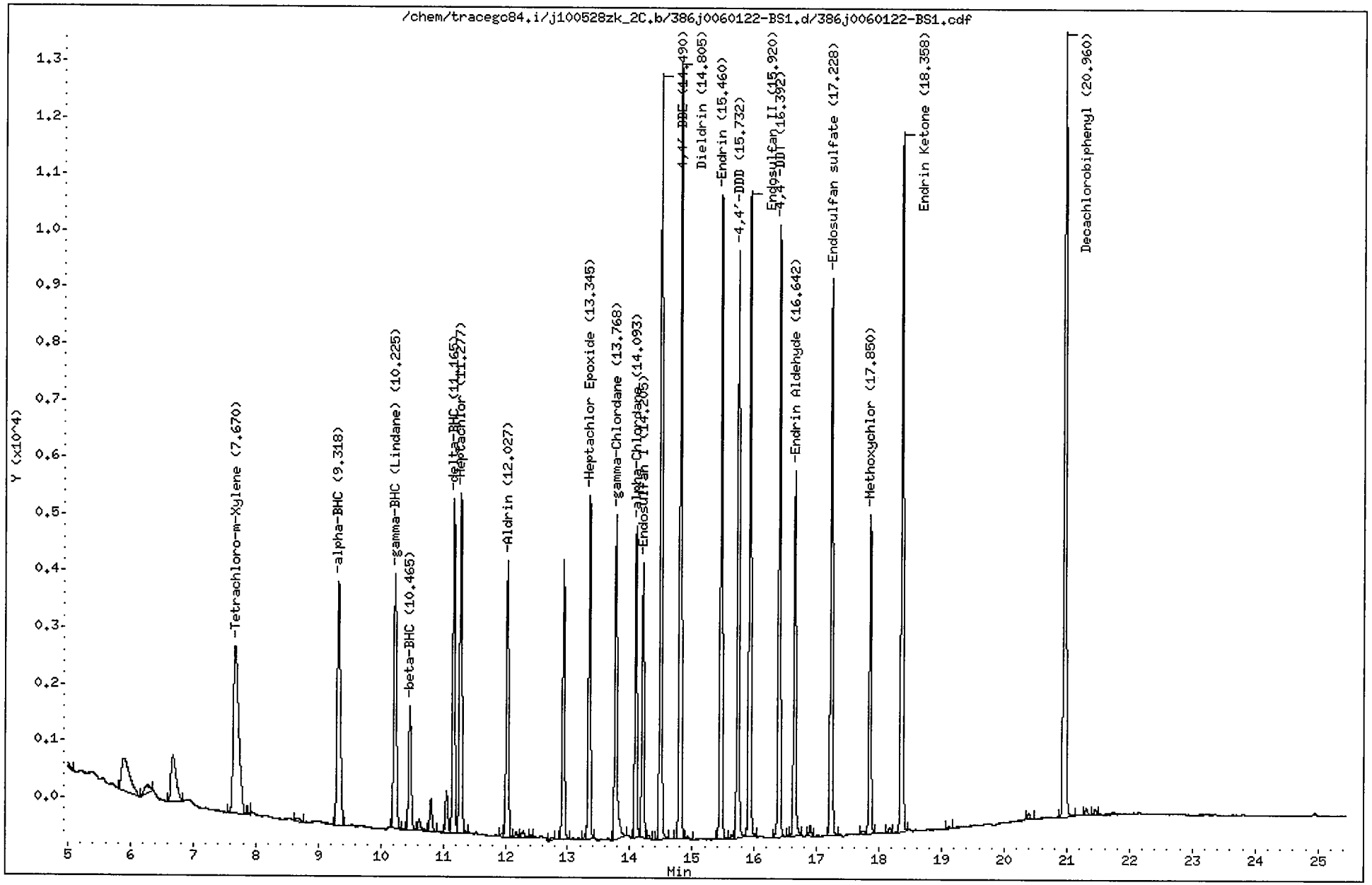
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0060122-BS1 Client Smp Id : PDXLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 10-JUN-2010 14:15 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528zk_2C.b/8081A_clpest2v6.m
Misc. Info : PDXLCS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.51			8353875								
1.76			3051227								
2.98			3480								
3.83			530								
4.04			260								
4.82			3390								
5.89			5172								
6.27			860								
6.67			4652								
7.67	7.61	7.75	17673	416798	Tetrachloro-m-Xylene	0.042402	7.066981		70.7	70 - 125	
7.93			112								
8.67			263								
9.32	9.26	9.40	15255	607758	alpha-BHC	0.025100	4.183412	1.700000	83.7	60 - 125	
10.22	10.17	10.31	13351	585542	gamma-BHC (Lindane)	0.022799	3.799895	1.700000	76.0	60 - 125	
10.46	10.41	10.55	6384	248610	beta-BHC	0.025679	4.279796	1.700000	85.6	60 - 125	
10.62			665								
10.80			1590								
11.05			2001								
11.16	11.11	11.25	14734	551235	delta-BHC	0.026729	4.454845	1.700000	89.1	55 - 130	
11.28	11.22	11.36	15835	579497	Heptachlor	0.027324	4.553947	1.700000	91.1	50 - 140	
11.96			204								
12.03	11.97	12.11	12360	542192	Aldrin	0.022794	3.799081	1.700000	76.0	45 - 140	
12.17			234								
12.29			416								
12.41			110								
12.75			192								
12.93			11710								
13.28			196								
13.34	13.29	13.43	13759	511912	Heptachlor Epoxide	0.026878	4.479607	1.700000	89.6	65 - 130	
13.77	13.71	13.85	14301	513150	gamma-Chlordane	0.027869	4.644841	1.700000	92.9	65 - 125	
14.09	14.04	14.18	12267	446248	alpha-Chlordane	0.027489	4.581538	1.700000	91.6	65 - 120	
14.20	14.15	14.29	10983	477982	Endosulfan I	0.022976	3.829289	1.700000	76.6	15 - 135	
14.30			170								
14.49	14.43	14.57	29380	468602	4,4'-DDE	0.062697	10.44951	3.300000	83.6	70 - 125	
14.80	14.75	14.89	30967	461929	Dieldrin	0.067038	11.17308	3.300000	89.4	65 - 125	
14.92			150								
15.46	15.40	15.54	25746	408649	Endrin	0.063003	10.50046	3.300000	84.0	60 - 135	

6/18/10

CompuChem

Lab Smp Id : 0060122-BS1 Client Smp Id : PDXLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 10-JUN-2010 14:15 Inst ID :
Operator : AHW Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528zk_2C.b/8081A_clpest2v6.m
Misc. Info : PDXLCS

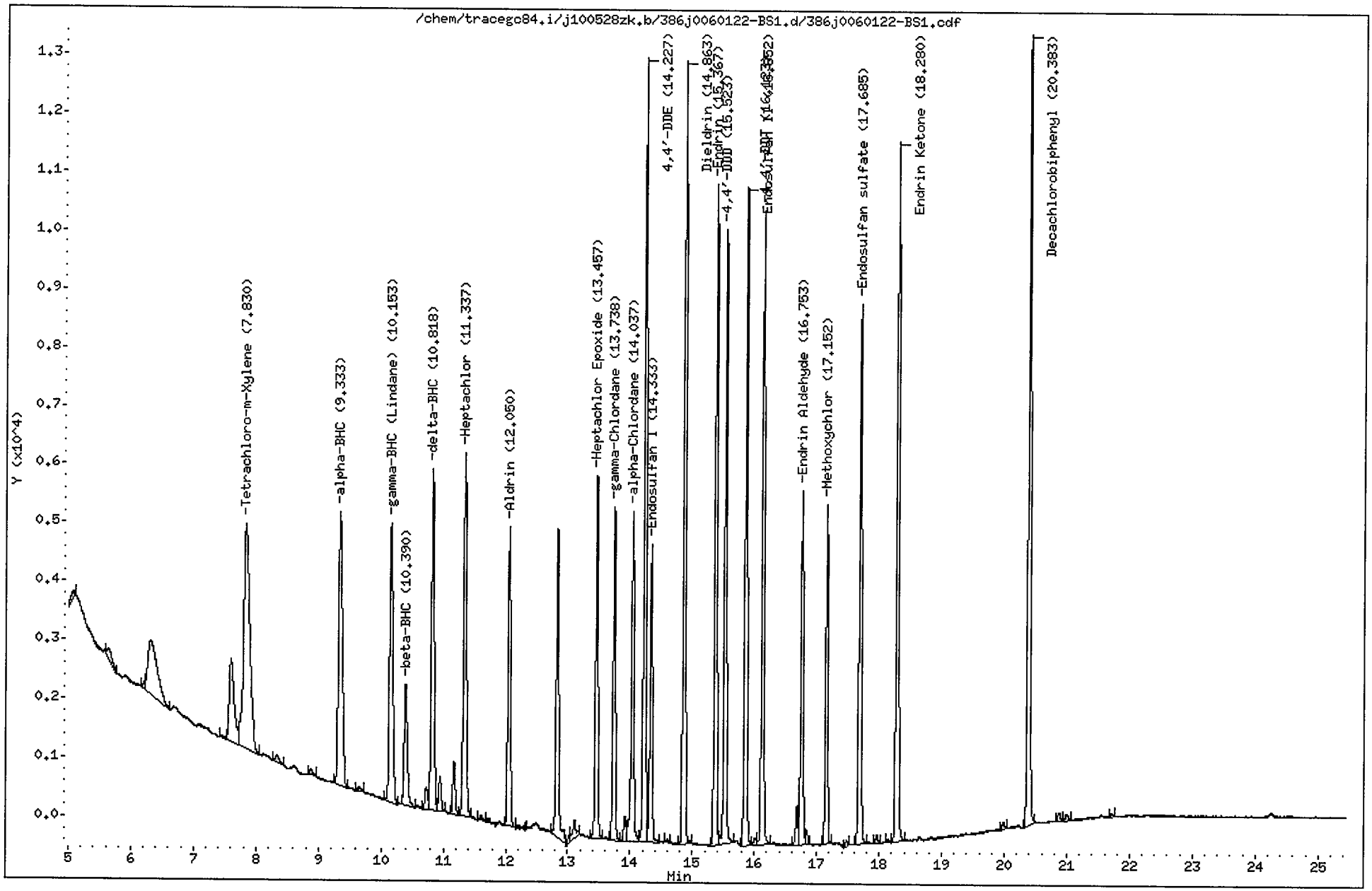
Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
15.64			183								
15.73	15.67	15.81	22594	340626	4,4'-DDD	0.066328	11.05464	3.300000	88.4	30 - 135	
15.92	15.86	16.00	25963	404930	Endosulfan II	0.064117	10.68621	3.300000	85.5	35 - 140	
16.39	16.33	16.47	23699	405929	4,4'-DDT	0.058382	9.730361	3.300000	77.8	45 - 140	
16.64	16.59	16.73	15010	316985	Endrin Aldehyde	0.047352	7.892066	3.300000	63.1	35 - 145	
16.90			415								
17.23	17.17	17.31	22239	366674	Endosulfan sulfate	0.060648	10.10799	3.300000	80.9	60 - 135	
17.73			155								
17.85	17.79	17.93	12472	182916	Methoxychlor	0.068179	11.36315	17.00000	90.9	55 - 145	J
18.17			227								
18.36	18.30	18.44	28657	419519	Endrin Ketone	0.068309	11.38487	3.300000	91.1	65 - 135	
19.11			114								
20.39			250								
20.96	20.90	21.04	35749	406698	Decachlorobiphenyl	0.087898	14.64971		73.2	55 - 130	
21.32			344								
21.45			269								

Data File: /chem/tracegc84.i/j100528zk.b/386j0060122-BS1.d
Date : 10-JUN-2010 14:15
Client ID: PDXLCS
Sample Info: 0060122-BS1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i
Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0060122-BS1 Client Smp Id : PDXLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 10-JUN-2010 14:15 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528zk.b/8081A_clpestv6.m
Misc. Info : PDXLCS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.42			18688424								
3.64			6662								
4.55			1178								
4.58			2620								
5.06			569								
5.64			799								
6.21			190								
6.30			9639								
7.45			175								
7.59			7886								
7.83	7.77	7.91	26304	522758	Tetrachloro-m-Xylene	0.050318	8.386298		83.9	70 - 125	
8.32			527								
8.87			361								
9.33	9.29	9.43	19759	775960	alpha-BHC	0.025464	4.243990	1.700000	84.9	60 - 125	
9.65			282								
10.15	10.11	10.25	17326	729192	gamma-BHC (Lindane)	0.023761	3.960088	1.700000	79.2	60 - 125	
10.39	10.34	10.48	7152	300532	beta-BHC	0.023798	3.966293	0.851000	79.3	60 - 125	
10.72			1145								
10.82	10.77	10.91	18616	689518	delta-BHC	0.026999	4.499765	1.700000	90.0	55 - 130	
10.94			1695								
11.17			2650								
11.34	11.29	11.43	19582	695465	Heptachlor	0.028155	4.692544	1.700000	93.9	50 - 140	
11.61			250								
12.05	12.01	12.15	14355	636570	Aldrin	0.022551	3.758424	1.700000	75.2	45 - 140	
12.32			138								
12.82			15157								
13.03			411								
13.11			1246								
13.46	13.42	13.56	16235	593700	Heptachlor Epoxide	0.027344	4.557296	1.700000	91.1	65 - 130	
13.74	13.70	13.84	14768	594875	gamma-Chlordane	0.024825	4.137564	1.700000	82.8	65 - 125	
13.91			1083								
14.04	14.00	14.14	15971	516712	alpha-Chlordane	0.030909	5.151478	1.700000	103.0	65 - 120	
14.23	14.19	14.33	32487	523741	4,4'-DDE	0.062029	10.33812	3.300000	82.7	70 - 125	
14.33	14.29	14.43	13223	548162	Endosulfan I	0.024122	4.020401	1.700000	80.4	15 - 135	
14.60			129								
14.86	14.82	14.96	33829	515556	Dieldrin	0.065617	10.93608	3.300000	87.5	65 - 125	
15.37	15.33	15.47	28675	463071	Endrin	0.061924	10.32059	3.300000	82.6	60 - 135	

6/18/10

CompuChem

Lab Smp Id : 0060122-BS1 Client Smp Id : PDXLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 10-JUN-2010 14:15 Inst ID :
Operator : AHW Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528zk.b/8081A_clpestv6.m
Misc. Info : PDXLCS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
15.52	15.48 15.62	25914	393458	4,4'-DDD	0.065860	10.97662	3.300000	87.8	30 - 135	
15.85	15.81 15.95	28681	450326	Endosulfan II	0.063689	10.61490	3.300000	84.9	35 - 140	
16.01		341								
16.12	16.08 16.22	26215	454781	4,4'-DDT	0.057643	9.607183	3.300000	76.9	45 - 140	
16.68		1595								
16.75	16.71 16.85	15526	348470	Endrin Aldehyde	0.044552	7.425316	3.300000	59.4	35 - 145	
16.84		618								
17.15	17.11 17.25	13719	194359	Methoxychlor	0.070581	11.76345	17.00000	94.1	55 - 145	J
17.48		249								
17.68	17.65 17.79	23906	392055	Endosulfan sulfate	0.060974	10.16226	3.300000	81.3	60 - 135	
17.96		365								
18.14		124								
18.28	18.24 18.38	31304	457258	Endrin Ketone	0.068458	11.40969	3.300000	91.3	65 - 135	
19.98		318								
20.38	20.33 20.47	34988	408350	Decachlorobiphenyl	0.085681	14.28023		71.4	55 - 130	
20.87		441								
21.00		384								
21.71		164								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDXLCSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Matrix: (soil/water) SOIL Lab Sample ID: 0060122-BSD1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/01/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/10/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.8	
319-85-7	beta-BHC	2.8	
319-84-6	alpha-BHC	2.9	
319-86-8	delta-BHC	3.1	
58-89-9	gamma-BHC (Lindane)	2.7	
72-54-8	4,4'-DDD	7.8	
72-55-9	4,4'-DDE	7.6	
50-29-3	4,4'-DDT	7.0	
60-57-1	Dieldrin	8.1	
959-98-8	Endosulfan I	2.9	
33213-65-9	Endosulfan II	7.7	
1031-07-8	Endosulfan sulfate	7.2	
72-20-8	Endrin	7.6	
7421-93-4	Endrin Aldehyde	5.4	
76-44-8	Heptachlor	3.3	
1024-57-3	Heptachlor Epoxide	3.4	
72-43-5	Methoxychlor	8.2	J
8001-35-2	Toxaphene	83	U
53494-70-5	Endrin Ketone	8.3	
5103-74-2	gamma-Chlordane	3.1	
5103-71-9	alpha-Chlordane	3.4	

Data File: /chem/tracegc84.i/j100528zk_2C.b/387j0060122-BSD1.d

Date : 10-JUN-2010 14:43

Client ID: PDXLCSD

Sample Info: 0060122-BSD1

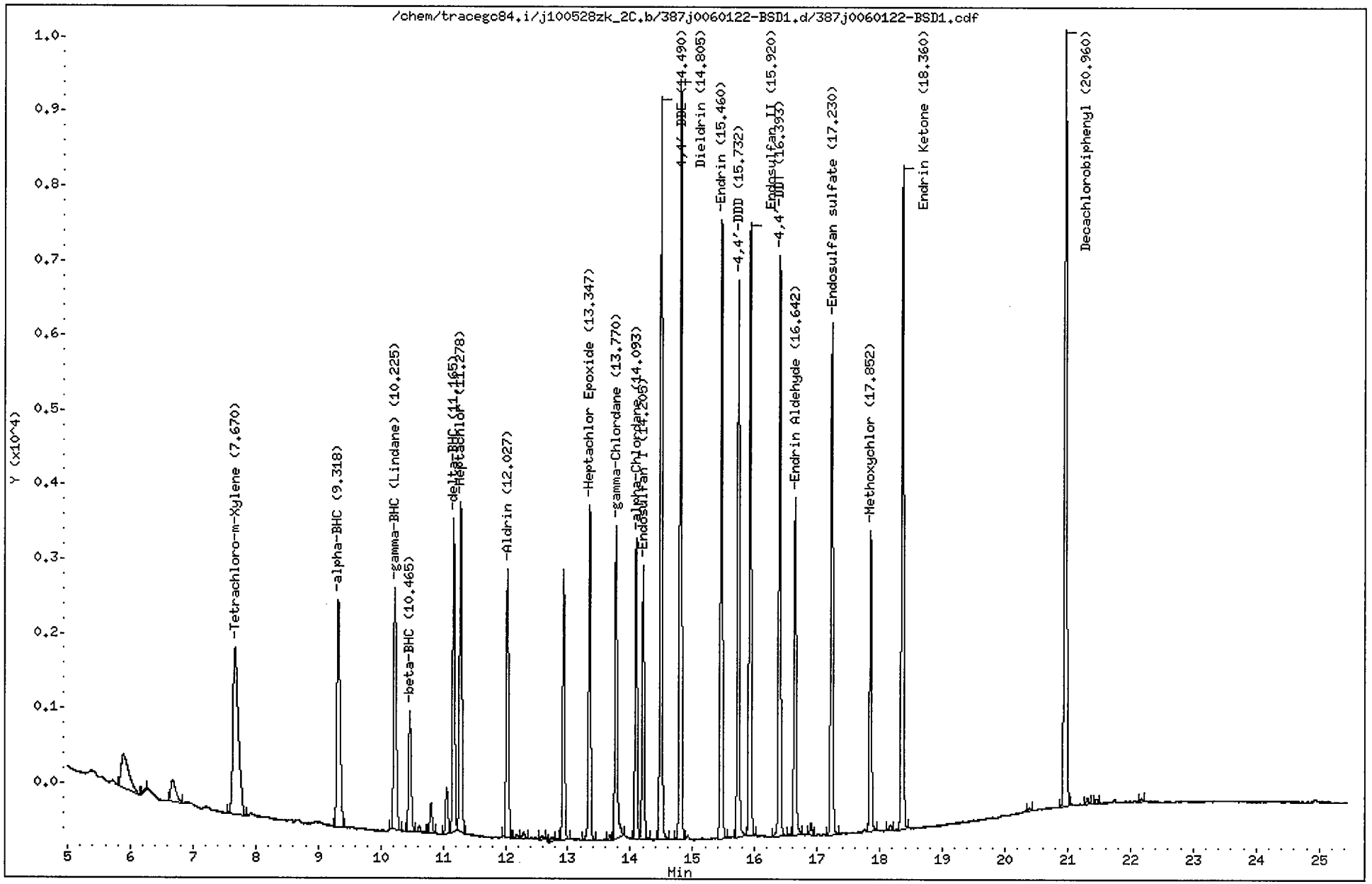
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0060122-BSD1 Client Smp Id : PDXLCSD
Sample Type : LCSD Sublist : DODPEST
Inj Date : 10-JUN-2010 14:43 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528zk_2C.b/8081A_clpest2v6.m
Misc. Info : PDXLCSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.51			10457206								
1.58			1654713								
1.73			36128142								
2.98			976								
3.98			112								
4.80			253								
5.89			3839								
6.25			108								
6.68			1679								
7.67	7.61	7.75	13440	416798	Tetrachloro-m-Xylene	0.032246	5.374312		53.7*	70 - 125	R
9.32	9.26	9.40	10743	607758	alpha-BHC	0.017676	2.946076	1.700000	58.9*	60 - 125	R
10.22	10.17	10.31	9524	585542	gamma-BHC (Lindane)	0.016264	2.710592	1.700000	54.2*	60 - 125	R
10.46	10.41	10.55	4762	248610	beta-BHC	0.019150	3.191746	1.700000	63.8	60 - 125	
10.62			254								
10.80			1081								
11.05			1634								
11.16	11.11	11.25	10393	551235	delta-BHC	0.018854	3.142338	1.700000	62.8	55 - 130	
11.28	11.22	11.36	11474	579497	Heptachlor	0.019798	3.299699	1.700000	66.0	50 - 140	
12.03	11.97	12.11	9026	542192	Aldrin	0.016645	2.774230	1.700000	55.5	45 - 140	
12.18			145								
12.29			250								
12.58			128								
12.76			170								
12.93			8546								
13.35	13.29	13.43	10315	511912	Heptachlor Epoxide	0.020148	3.357996	1.700000	67.2	65 - 130	
13.68			141								
13.77	13.71	13.85	10187	513150	gamma-Chlordane	0.019850	3.308324	1.700000	66.2	65 - 125	
14.09	14.04	14.18	9041	446248	alpha-Chlordane	0.020258	3.376303	1.700000	67.5	65 - 120	
14.20	14.15	14.29	8295	477982	Endosulfan I	0.017352	2.892017	1.700000	57.8	15 - 135	
14.49	14.43	14.57	21487	468602	4,4'-DDE	0.045851	7.641871	3.300000	61.1*	70 - 125	R
14.80	14.75	14.89	22659	461929	Dieldrin	0.049051	8.175142	3.300000	65.4	65 - 125	
15.46	15.40	15.54	18696	408649	Endrin	0.045751	7.625130	3.300000	61.0	60 - 135	
15.73	15.67	15.81	16191	340626	4,4'-DDD	0.047533	7.922173	3.300000	63.4	30 - 135	
15.92	15.86	16.00	18634	404930	Endosulfan II	0.046015	7.669227	3.300000	61.4	35 - 140	
16.39	16.33	16.47	17057	405929	4,4'-DDT	0.042017	7.002871	3.300000	56.0	45 - 140	
16.64	16.59	16.73	10661	316985	Endrin Aldehyde	0.033633	5.605418	3.300000	44.8	35 - 145	
16.90			350								

KH 6/18/10

CompuChem

Lab Smp Id : 0060122-BSD1 Client Smp Id : PDXLCSD
Sample Type : LCSD Sublist : DODPEST
Inj Date : 10-JUN-2010 14:43 Inst ID :
Operator : AHW Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528zk_2C.b/8081A_clpest2v6.m
Misc. Info : PDXLCSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
17.23	17.17 17.31	15871	366674	Endosulfan sulfate	0.043281	7.213497	3.300000	57.7*	60 - 135	R
17.85	17.79 17.93	8967	182916	Methoxychlor	0.049023	8.170428	17.00000	65.4	55 - 145	J
18.17		171								
18.36	18.30 18.44	20860	419519	Endrin Ketone	0.049724	8.287274	3.300000	66.3	65 - 135	
20.39		95								
20.96	20.90 21.04	26337	406698	Decachlorobiphenyl	0.064756	10.79262		54.0*	55 - 130	R
21.31		205								
21.46		162								
22.17		103								

Data File: /chem/tracegc84.i/j100528zk.b/387j0060122-BSD1.d

Page 1

Date : 10-JUN-2010 14:43

Client ID: PDXLCSD

Instrument: tracegc84.i

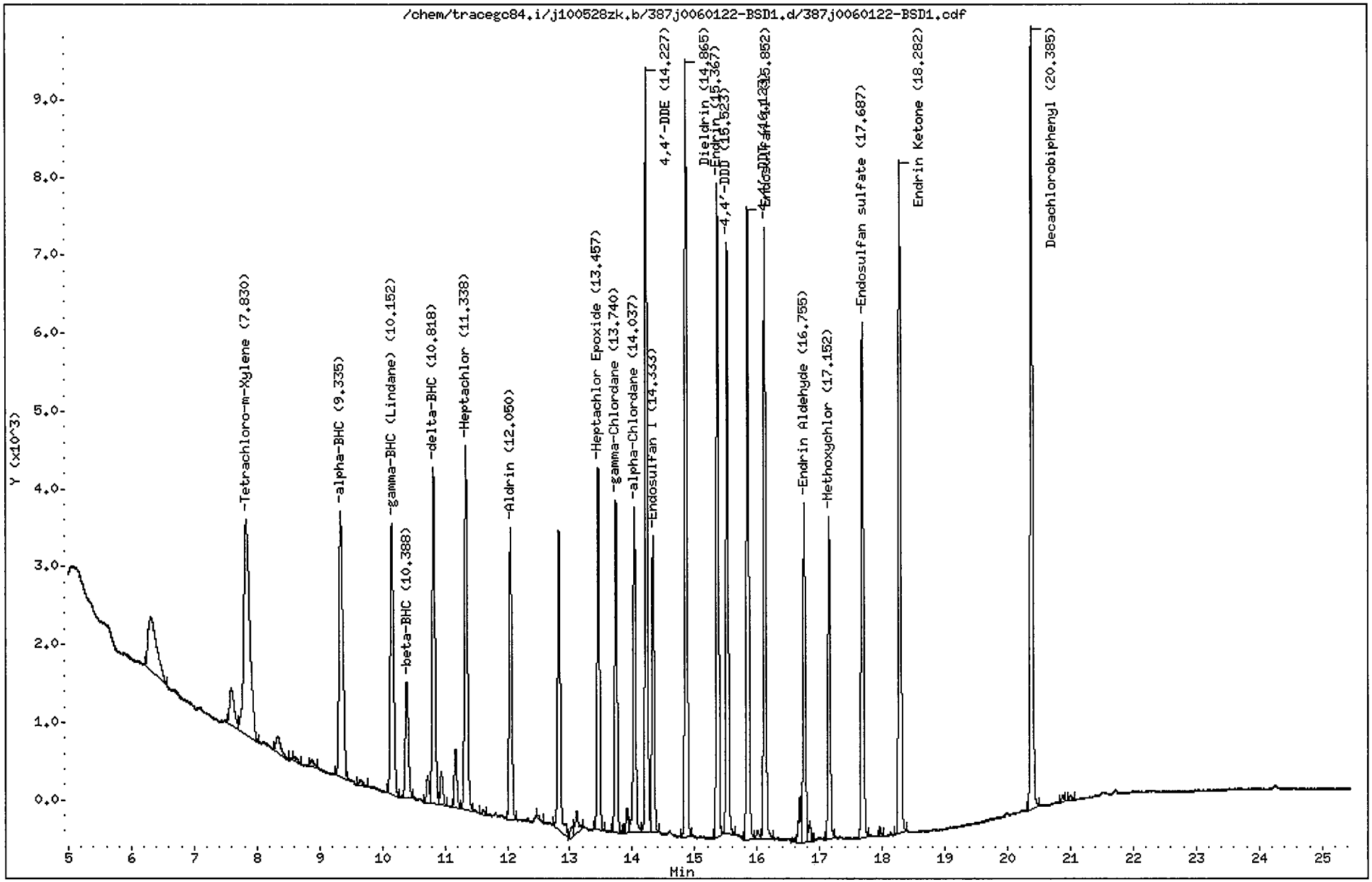
Sample Info: 0060122-BSD1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0060122-BSD1 Client Smp Id : PDXLCSD
Sample Type : LCSD Sublist : DODPEST
Inj Date : 10-JUN-2010 14:43 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528zk.b/8081A_clpestv6.m
Misc. Info : PDXLCSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
1.41			22477785								
3.63			340								
4.57			244								
6.32			6698								
7.59			2502								
7.83	7.77	7.91	18154	522758	Tetrachloro-m-Xylene	0.034725	5.787578		57.9*	70 - 125	R
8.34			1185								
8.61			237								
8.88			323								
9.34	9.29	9.43	14416	775960	alpha-BHC	0.018577	3.096165	1.700000	61.9	60 - 125	
9.65			373								
10.15	10.11	10.25	12603	729192	gamma-BHC (Lindane)	0.017284	2.880584	1.700000	57.6*	60 - 125	R
10.39	10.34	10.48	5041	300532	beta-BHC	0.016774	2.795593	0.851000	55.9*	60 - 125	R
10.72			1057								
10.82	10.77	10.91	13643	689518	delta-BHC	0.019785	3.297475	1.700000	65.9	55 - 130	
10.95			1326								
11.17			2225								
11.34	11.29	11.43	14547	695465	Heptachlor	0.020917	3.486157	1.700000	69.7	50 - 140	
11.61			186								
12.05	12.01	12.15	10696	636570	Aldrin	0.016801	2.800163	1.700000	56.0	45 - 140	
12.48			126								
12.82			11382								
13.04			455								
13.11			1015								
13.46	13.42	13.56	12064	593700	Heptachlor Epoxide	0.020318	3.386390	1.700000	67.7	65 - 130	
13.74	13.70	13.84	10965	594875	gamma-Chlordane	0.018431	3.071794	1.700000	61.4*	65 - 125	R
13.91			799								
14.04	14.00	14.14	11325	516712	alpha-Chlordane	0.021917	3.652902	1.700000	73.1	65 - 120	
14.23	14.19	14.33	24066	523741	4,4'-DDE	0.045948	7.658044	3.300000	61.3*	70 - 125	R
14.33	14.29	14.43	9882	548162	Endosulfan I	0.018026	3.004279	1.700000	60.1	15 - 135	
14.86	14.82	14.96	25145	515556	Dieldrin	0.048771	8.128437	3.300000	65.0	65 - 125	
15.37	15.33	15.47	21112	463071	Endrin	0.045591	7.598543	3.300000	60.8	60 - 135	
15.52	15.48	15.62	18516	393458	4,4'-DDD	0.047060	7.843287	3.300000	62.7	30 - 135	
15.85	15.81	15.95	20970	450326	Endosulfan II	0.046564	7.760670	3.300000	62.1	35 - 140	
16.00			304								
16.12	16.08	16.22	19278	454781	4,4'-DDT	0.042387	7.064569	3.300000	56.5	45 - 140	
16.69			1568								

6/18/10

CompuChem

Lab Smp Id : 0060122-BSD1 Client Smp Id : PDXLCSD
Sample Type : LCSD Sublist : DODPEST
Inj Date : 10-JUN-2010 14:43 Inst ID :
Operator : AHW Spike Sublist : DODSoil
Method : /chem/tracegc84.i/j100528zk.b/8081A_clpestv6.m
Misc. Info : PDXLCSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Ws) * (100/(100-M))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Ws Sample Weight: 30.0(g) M Moisture: 0(%)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/Kg)	ADJUSTED PQL (ug/Kg)	% REC	RECOVERY LIMITS	FLAGS
16.76	16.71 16.85	11221	348470	Endrin Aldehyde	0.032198	5.366316	3.300000	42.9	35 - 145	
16.84		773								
17.15	17.11 17.25	10162	194359	Methoxychlor	0.052285	8.714115	17.00000	69.7	55 - 145	J
17.69	17.65 17.79	17130	392055	Endosulfan sulfate	0.043693	7.282142	3.300000	58.3*	60 - 135	R
17.95		198								
18.28	18.24 18.38	22834	457258	Endrin Ketone	0.049937	8.322809	3.300000	66.6	65 - 135	
20.38	20.33 20.47	26183	408350	Decachlorobiphenyl	0.064117	10.68609		53.4*	55 - 130	R
20.88		239								
21.00		205								

c. Matrix Spike Data

- Tabulated Results (Form I)

- Chromatograms and data system printout(s)

d. Matrix Spike Duplicate Data

- Tabulated Results (Form I)

- Chromatograms and data system printout(s)

CompuChem

A Division Of

Liberty Analytical Corp.

7/2/2010

REBEKHA SHAW

CH2M HILL, INC.

5700 CLEVELAND STREET, SUITE 101

VIRGINIA BEACH, VA 23462

Subject:

Report of Data - Project: CTO-094 MCB CAMP LEJEUNE/395307.S. WorkOrder: 1005180

Attn.: REBEKHA SHAW

Enclosed are the results of analytical work performed in accordance with the referenced account number. This report covers sample(s) appearing on the listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097

Sincerely,

Compuchem

a division of Liberty Analytical Corporation

Attachment

TOTAL NUMBER

OF PAGES _____

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

CompuChem, a division of Liberty Analytical

Client: CH2M HILL, INC. **Work:** 1005180

Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM **Sdg:** 1005180

Lab ID	Client ID	Matrix	Date Sampled	Date Received
1005180-01	SS41-0-1	Soil	05/20/2010 15:20	05/21/2010 16:00
1005180-02	SB41-1-2	Soil	05/20/2010 15:25	05/21/2010 16:00
1005180-03	SS35-0-1	Soil	05/20/2010 16:50	05/21/2010 16:00
1005180-04	SB35-2-3	Soil	05/20/2010 17:00	05/21/2010 16:00

CompuChem, a Division of Liberty Analytical Corporation

I. SAMPLE DATA SUMMARY PACKAGE

GC/MS by SW-846

Modified For Selected Ion Monitoring (SIM)

The sample data summary package shall contain data for all samples in one Sample Delivery Group (SDG) of the Case, as follows:

A. SDG Narrative

B. Tabulated target compound results (Form I)

C. Surrogate spike analysis results (Form II)
By matrix (Water or Soil), and
by concentration (Low or Medium)

D. Spike results MS / MSD / LCS (Form III)

E. Blank data (Form IV)
Tabulated blank results (Form I)

F. Internal standard area response and retention time data (Form VIII)

LAB CODE: LIBRTY METHOD: 8270C

SDG # : 1005180

A. SDG Narrative

CompuChem
a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG # 1005180
PROTOCOL: SW-846
Date: July 02, 2010

SAMPLE IDENTIFICATIONS:

SB35-2-3, SB41-1-2, SS35-0-1, and SS41-0-1

The four (4) soil samples listed above were received intact, with proper documentation, in sealed shipping containers, on May 21, 2010. The cooler temperatures associated with these samples were 0.3 and 1.3 °C.

The samples listed above were scheduled for the requested analysis of the semivolatile Selected Ion Monitoring (SIM) fraction.

SW-846, 3rd Edition, Update 3, Sonication extraction (Method 3550B), and Method 8270C Selected Ion Monitoring (SIM) were used to prepare and analyze these samples, with the exceptions and/or additions requested by the client. This portion of the narrative deals with the semivolatile Selected Ion Monitoring (SIM) fraction only.

The percent moisture value for these samples ranged from 5 to 18.

Semivolatile SIM

Extraction and analysis holding time requirements were met for these samples.

There were no semivolatile SIM target compound list (TCL) analytes identified above the Contract Required Quantitation Limits (CRQLs) in any of these samples.

Manual integrations were performed on one or more of the process files associated with this SDG. Please see the detailed Manual Integration Summary report that is located behind this SDG narrative. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

Mass assignments were verified by the injections of Perfluorotributylamine for the SIM analysis.

Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All of the surrogates met recovery criteria in the analyses of these samples, with the exception of samples SDWLCS and SDWLCSD. In the analyses of these samples, the recovery of the surrogate, 2-Fluorobiphenyl, was bias low and failed quality control criteria. Since the recovery of this surrogate met our in-house quality control criteria, the results are being reported without any corrective action.

All of the internal standards met response and retention time criteria in the analyses of these samples.

The associated method blank met all quality control criteria.

No matrix spike/matrix spike duplicate (MS/MSD) samples were requested for the semivolatile SIM fraction for this SDG.

The associated Laboratory Control Samples, prepared and analyzed along with this sample, met overall accuracy criteria. The recoveries of the spike compounds Naphthalene, 2-Methylnaphthalene, Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, and Anthracene in the SDWLCS and the recoveries of the spike compounds Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Chrysene, and Benzo(a)pyrene in the SDWLCSD were bias low and failed quality control criteria. These compounds were flagged as outliers in the duplicate laboratory control samples. None of these compounds were detected above the CRQLs in the associated samples. All Relative Percent Difference (RPD) precision criteria were met in the comparison of the duplicate laboratory control samples.

An uncertainty of these test results may be estimated from the recovery of the surrogates added to the sample prior to sample preparation or from the recovery of spiked compound(s) in the associated laboratory control sample. Further information is available upon request.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Furthermore, I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice. Release of the data contained in this hardcopy data package and in the computer-readable data submitted electronically has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

S. A. Parikh

Saroj A. Parikh
Data Reviewer
July 02, 2010

Manual Integrations											
SDG: 1005180	SDWLCS	SDWLCSD	SB41-1-2								
Compound											
Naphthalene											
2-Methylnaphthalene											
1-Methylnaphthalene											
Acenaphtylene											
Acenaphthene											
Fluorene											
Phenanthrene											
Anthracene											
Fluoranthene											
Pyrene											
Benzo(a)anthracene											
Chrysene											
Benzo(b)fluoranthene											
Benzo(k)fluoranthene											
Benzo(a)pyrene											
Indeno(1,2,3-cd)pyrene	X	X									
Dibenzo(a,h)anthracene											
Benzo(g,h,i)perylene											
1,4-Dichlorobenzene-d4											
Nahthalene-d8											
Acenapthene-d10			X								
Phenanthrene-d10											
Chrysene-d12											
Perylene-d12											
2-fluorophenol											
Phenol-d5											
Nitrobenzene-d5											
2,4,6-Tribromophenol											
2-Fluorobiphenyl											
Terphenyl-d14											
"X" Denotes a manual integration for the compound											

GC and GC/MS Column and Trap Specifications Table

SDG #:	1005180							
			COLUMNS					
Columns Utilized	Brand Name	Coating Material		ID (mm)	Film Thickness (um)			Length (m)
	GC Laboratory							
	Restek	RTX-5		0.53	1.0			30
	Restek	RTX-SMS		0.53	1.0			30
	Restek	clpest		0.32	0.5			30
	Restek	clpest2		0.32	0.42			30
	J&W	DB-210		0.53	1.0			30
	J&W	GS-GASPRO		0.32	N/A			30
	GC Volatiles Laboratory							
	Restek	RTX-Volatiles		0.53	2.0			30
	GC/MS Volatiles Laboratory							
	Restek	RTX-VMS		0.18	1.0			20
	Supelco	SPB-624		0.32	1.8			60
	Supelco	SPB-624		0.53	3.0			75
	Phenomonex	ZB-624		0.32	1.8			60
	GC/MS Semivolatiles Laboratory							
X	Restek	RTX-5MS		0.32	0.25			30
	Phenomonex	ZB-5MS		0.32	0.25			30
	HPLC Laboratory							
	Supelco	Supelcosil LC-PAH		4.6	5.0			15 cm
	Supelco	Discovery RP Amide C16		4.6	5.0			25 cm
	Restek	Pinnacle Cyano		4.6	5.0			25 cm
	Restek	Allure C18		4.6	5.0			25 cm
			TRAPS *					
	GC and GC/MS Volatiles Laboratory							
	Supelco J (BETXTRAP™)		* 7.7 cm Carbopack C					
			* 1.2 cm Carbopack B					
	Supelco K (Vocarb3000)		* 10 cm of Carbopack B (Graphitized Carbons)					
			* 6 cm of Carboxen 1000 (Carbon molecular sieves)					
			* 1 cm of Carboxen 1001 (Carbon molecular sieves)					
								Rev. 28

* This table contains the GC columns (and volatile organic trap) used for the analysis of volatiles, semi-voaltiles, pesticides, and Aroclors by the SOM01.2 SOW.

Please see the SDG Narrative(s) for the specific fractions(s) relative to this SDG.

CompuChem

a division of Liberty Analytical Corporation

CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.).

Revision 6 (12/6/2005)

Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC chemists. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC analysis. The manual editing/integration flags are:

M - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak.

H - Denotes that the data reviewer, GC/MS operator, or GC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

MH - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.

L - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

The EPA CLP SOW documents require additional explanations for manual editing/integration. In the accompanying raw data packages, additional codes have been applied to the "M" flag and carry the following meanings;

M1 - The compound was not found by the automatic integration routine.

M2 - The compound was incorrectly integrated by the automatic integration routine.

M3 - The co-eluting compounds were incorrectly integrated by the automatic integration routine.

These codes will appear in the GC/MS and GC raw data.

DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each compound. The qualifiers used are:

U : This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J : This flag indicates an estimated value. The flag is used as detailed below:

1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1:1 is assumed for the TIC analyte,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide and/or Aroclor or other GC or HPLC identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.

N : This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search and must be used with the J flag. For generic characterization of a TIC such as "chlorinated hydrocarbon" (or for an "unknown," with no matches ≥85% in the SOM01.1 SOW), the N flag is not used.

P : In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the Form I and flagged with a P.
For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the higher of the two values is reported and flagged with a P. When the RPD is equal to or less than 40%, our policy is to also report the higher of the two values, although the choice could be a project specific issue. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

DATA REPORTING QUALIFIERS (continued)

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations (responses in the SOM01.1 SOW) exceed the upper level of the calibration range (exceed the response of the high ICAL standard in the SOM01.1 SOW) of the instrument for that specific analysis. If one or more compounds have a response greater than the upper level of the calibration range (greater than the response of the highest ICAL standard in the SOM01.1 SOW), the sample or extract will be diluted and reanalyzed. All such compounds with a response greater than the upper level of the calibration range (with responses greater than the response of the highest ICAL standard in the SOM01.1 SOW) will have the concentration (result in the SOM01.1 SOW) flagged with an E on Form I for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration (response in the SOM01.1 SOW) of an analyte exceeds the upper calibration range (exceeds the response of the highest ICAL standard in the SOM01.1 SOW), the DL suffix is appended to the sample number on the Form I for the more diluted sample, and **all** reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.

NOTE 1: The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.

NOTE 2: Separate Forms I are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses <u>are not combined</u> on a single Form I.

A: This flag indicates that a TIC is a suspected aldol-condensation product.

S: In the SOM01.1 SOW, this flag is used to indicate an estimated value for Aroclor target compounds where a valid 5-point initial calibration was not performed prior to the analytes detection in a sample. If an "S" flag is used for a specific Aroclor, then a reanalysis of the sample is required after a valid 5-point calibration is performed for the detected Aroclor.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y, and Z.

B. Form I

Organic Analysis Data Sheet (OADS)
- All samples in alphanumeric order
- Matrix Spike/Matrix Spike Duplicate
- Laboratory Control Sample(s)

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005180
Client Sample ID: SB35-2-3

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005180-04
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005180-04A70
Analyst: OWS

% Moisture: 11 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060119-BLK1

Date Extracted: 06/01/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.81	9.3	ND	U
91-57-6	2-Methylnaphthalene	0.77	9.3	ND	U
208-96-8	Acenaphthylene	0.60	9.3	ND	U
83-32-9	Acenaphthene	0.67	9.3	ND	U
86-73-7	Fluorene	0.51	9.3	ND	U
85-01-8	Phenanthrene	1.5	9.3	ND	U
120-12-7	Anthracene	0.49	9.3	ND	U
206-44-0	Fluoranthene	1.5	9.3	ND	U
129-00-0	Pyrene	0.64	9.3	ND	U
56-55-3	Benzo(a)anthracene	0.64	9.3	ND	U
218-01-9	Chrysene	0.71	9.3	ND	U
205-99-2	Benzo(b)fluoranthene	0.64	9.3	ND	U
207-08-9	Benzo(k)fluoranthene	0.49	9.3	ND	U
50-32-8	Benzo(a)pyrene	0.43	9.3	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.41	9.3	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.37	9.3	ND	U
191-24-2	Benzo(g,h,i)perylene	0.43	9.3	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005180
Client Sample ID: SB41-1-2

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005180-02
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005180-02A70
Analyst: OWS

% Moisture: 18 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060119-BLK1

Date Extracted: 06/01/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.87	10	1.9	JB
91-57-6	2-Methylnaphthalene	0.83	10	ND	U
208-96-8	Acenaphthylene	0.65	10	ND	U
83-32-9	Acenaphthene	0.73	10	ND	U
86-73-7	Fluorene	0.55	10	ND	U
85-01-8	Phenanthrene	1.6	10	ND	U
120-12-7	Anthracene	0.53	10	ND	U
206-44-0	Fluoranthene	1.6	10	ND	U
129-00-0	Pyrene	0.69	10	ND	U
56-55-3	Benzo(a)anthracene	0.69	10	ND	U
218-01-9	Chrysene	0.77	10	ND	U
205-99-2	Benzo(b)fluoranthene	0.69	10	ND	U
207-08-9	Benzo(k)fluoranthene	0.53	10	ND	U
50-32-8	Benzo(a)pyrene	0.47	10	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.45	10	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.41	10	ND	U
191-24-2	Benzo(g,h,i)perylene	0.47	10	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005180
Client Sample ID: SS35-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005180-03
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005180-03A70
Analyst: OWS

% Moisture: 5 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060119-BLK1

Date Extracted: 06/01/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.75	8.7	0.86	JB
91-57-6	2-Methylnaphthalene	0.72	8.7	ND	U
208-96-8	Acenaphthylene	0.56	8.7	ND	U
83-32-9	Acenaphthene	0.63	8.7	ND	U
86-73-7	Fluorene	0.47	8.7	ND	U
85-01-8	Phenanthrene	1.4	8.7	ND	U
120-12-7	Anthracene	0.46	8.7	ND	U
206-44-0	Fluoranthene	1.4	8.7	ND	U
129-00-0	Pyrene	0.60	8.7	ND	U
56-55-3	Benzo(a)anthracene	0.60	8.7	ND	U
218-01-9	Chrysene	0.67	8.7	ND	U
205-99-2	Benzo(b)fluoranthene	0.60	8.7	ND	U
207-08-9	Benzo(k)fluoranthene	0.46	8.7	ND	U
50-32-8	Benzo(a)pyrene	0.40	8.7	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.39	8.7	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.35	8.7	ND	U
191-24-2	Benzo(g,h,i)perylene	0.40	8.7	ND	U

ND = Not Detected
Q = Qualifier

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005180
Client Sample ID: SS41-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005180-01
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005180-01A70
Analyst: OWS

% Moisture: 8 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060119-BLK1

Date Extracted: 06/01/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.78	9.0	1.4	JB
91-57-6	2-Methylnaphthalene	0.74	9.0	ND	U
208-96-8	Acenaphthylene	0.58	9.0	ND	U
83-32-9	Acenaphthene	0.65	9.0	ND	U
86-73-7	Fluorene	0.49	9.0	ND	U
85-01-8	Phenanthrene	1.4	9.0	ND	U
120-12-7	Anthracene	0.47	9.0	ND	U
206-44-0	Fluoranthene	1.4	9.0	ND	U
129-00-0	Pyrene	0.62	9.0	ND	U
56-55-3	Benzo(a)anthracene	0.62	9.0	ND	U
218-01-9	Chrysene	0.69	9.0	ND	U
205-99-2	Benzo(b)fluoranthene	0.62	9.0	ND	U
207-08-9	Benzo(k)fluoranthene	0.47	9.0	ND	U
50-32-8	Benzo(a)pyrene	0.42	9.0	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.40	9.0	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.36	9.0	ND	U
191-24-2	Benzo(g,h,i)perylene	0.42	9.0	ND	U

ND = Not Detected
Q = Qualifier

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005180
Client Sample ID: SDWLCS

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0060119-BS1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0060119-BS1B70
Analyst: TD

% Moisture: 0 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060119-BLK1

Date Extracted: 06/01/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	6.0	JB
91-57-6	2-Methylnaphthalene	0.68	8.3	7.1	J
208-96-8	Acenaphthylene	0.53	8.3	6.2	J
83-32-9	Acenaphthene	0.60	8.3	5.9	J
86-73-7	Fluorene	0.45	8.3	6.2	J
85-01-8	Phenanthrene	1.3	8.3	7.5	J
120-12-7	Anthracene	0.43	8.3	8.0	J
206-44-0	Fluoranthene	1.3	8.3	9.7	
129-00-0	Pyrene	0.57	8.3	8.8	
56-55-3	Benzo(a)anthracene	0.57	8.3	10	
218-01-9	Chrysene	0.63	8.3	9.4	
205-99-2	Benzo(b)fluoranthene	0.57	8.3	8.6	
207-08-9	Benzo(k)fluoranthene	0.43	8.3	9.1	
50-32-8	Benzo(a)pyrene	0.38	8.3	8.3	
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	12	
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	9.4	
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	8.8	

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005180
Client Sample ID: SDWLCSD

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0060119-BSD1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0060119-BSD1B70
Analyst: TD

% Moisture: 0 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060119-BLK1

Date Extracted: 06/01/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	7.3	JB
91-57-6	2-Methylnaphthalene	0.68	8.3	7.8	J
208-96-8	Acenaphthylene	0.53	8.3	7.1	J
83-32-9	Acenaphthene	0.60	8.3	6.8	J
86-73-7	Fluorene	0.45	8.3	7.0	J
85-01-8	Phenanthrene	1.3	8.3	7.1	J
120-12-7	Anthracene	0.43	8.3	7.9	J
206-44-0	Fluoranthene	1.3	8.3	9.4	
129-00-0	Pyrene	0.57	8.3	7.9	J
56-55-3	Benzo(a)anthracene	0.57	8.3	9.5	
218-01-9	Chrysene	0.63	8.3	8.9	
205-99-2	Benzo(b)fluoranthene	0.57	8.3	8.1	J
207-08-9	Benzo(k)fluoranthene	0.43	8.3	8.8	
50-32-8	Benzo(a)pyrene	0.38	8.3	8.0	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	11	
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	8.9	
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	8.3	

ND = Not Detected
Q = Qualifier

FORM I SV-1

C. Form II

Surrogate spike analysis

- By level (low, medium) -

FORM 2
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Level: (low/med) LOW

	CLIENT SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	SBLKDW	64	61	71						0
02	SDWLCS	38	37*	63						1
03	SDWLCSD	43	44*	56						1
04	SS41-0-1	61	62	78						0
05	SB41-1-2	63	74	84						0
06	SS35-0-1	44	52	70						0
07	SB35-2-3	58	56	70						0
08										
09										
10										
11										
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	QC LIMITS
S1 (NBZ) = Nitrobenzene-d5	(35-100)
S2 (FBP) = 2-Fluorobiphenyl	(45-105)
S3 (TPH) = Terphenyl-d14	(30-125)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

D. Form III

Matrix Spike/Matrix Spike Duplicate results
- By level (low, medium) -
Laboratory Control Sample(s)

3D
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

SDWLCS

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Matrix Spike - EPA Sample No.: SDWLCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Naphthalene	16.67		6.046	36*	40-105
2-Methylnaphthalene	16.67		7.084	42*	45-105
Acenaphthylene	16.67		6.175	37*	50-105
Acenaphthene	16.67		5.902	35*	45-110
Fluorene	16.67		6.159	37*	50-110
Phenanthrene	16.67		7.485	45*	50-110
Anthracene	16.67		8.008	48*	55-105
Fluoranthene	16.67		9.666	58	55-115
Pyrene	16.67		8.787	53	45-125
Benzo(a)anthracene	16.67		10.22	61	50-110
Chrysene	16.67		9.375	56	55-110
Benzo(b)fluoranthene	16.67		8.631	52	45-115
Benzo(k)fluoranthene	16.67		9.086	55	45-125
Benzo(a)pyrene	16.67		8.255	50	50-110
Indeno(1,2,3-cd)pyrene	16.67		11.74	70	40-125
Dibenzo(a,h)anthracene	16.67		9.376	56	40-125
Benzo(g,h,i)perylene	16.67		8.775	53	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

3D
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

SDWLCS

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Matrix Spike - EPA Sample No.: SDWLCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Naphthalene	16.67	7.295	44	20	30	40-105
2-Methylnaphthalene	16.67	7.824	47	11	30	45-105
Acenaphthylene	16.67	7.096	43*	15	30	50-105
Acenaphthene	16.67	6.775	41*	16	30	45-110
Fluorene	16.67	6.954	42*	13	30	50-110
Phenanthrene	16.67	7.109	43*	5	30	50-110
Anthracene	16.67	7.918	47*	2	30	55-105
Fluoranthene	16.67	9.358	56	4	30	55-115
Pyrene	16.67	7.88	47	12	30	45-125
Benzo(a)anthracene	16.67	9.459	57	7	30	50-110
Chrysene	16.67	8.901	53*	6	30	55-110
Benzo(b)fluoranthene	16.67	8.11	49	6	30	45-115
Benzo(k)fluoranthene	16.67	8.834	53	4	30	45-125
Benzo(a)pyrene	16.67	7.974	48*	4	30	50-110
Indeno(1,2,3-cd)pyrene	16.67	11.22	67	4	30	40-125
Dibenzo(a,h)anthracene	16.67	8.922	54	4	30	40-125
Benzo(g,h,i)perylene	16.67	8.34	50	6	30	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 17 outside limits
Spike Recovery: 14 out of 34 outside limits

COMMENTS: _____

E. Form IV

Method Blank Results
Form IV and Form I

Method blank summary, OADS
- In chronological order of analysis

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

SBLKDW

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Lab File ID: 0060119-BLK1B70 Lab Sample ID: 0060119-BLK1

Instrument ID: 5972HP70 Date Extracted: 06/01/10

Matrix: (soil/water) SOIL Date Analyzed: 07/01/10

Level:(low/med) LOW Time Analyzed: 0758

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SDWLCS	0060119-BS1	0060119-BS1B	07/01/10
02	SDWLCSD	0060119-BSD1	0060119-BSD1	07/01/10
03	SS41-0-1	1005180-01	1005180-01A7	07/01/10
04	SB41-1-2	1005180-02	1005180-02A7	07/01/10
05	SS35-0-1	1005180-03	1005180-03A7	07/01/10
06	SB35-2-3	1005180-04	1005180-04A7	07/01/10
07				
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30				

COMMENTS:

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005180
Client Sample ID: SBLKDW

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0060119-BLK1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0060119-BLK1B70
Analyst: TD

% Moisture: _____ decanted: (Y/N) ___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060119-BLK1

Date Extracted: 06/01/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	0.77	J
91-57-6	2-Methylnaphthalene	0.68	8.3	ND	U
208-96-8	Acenaphthylene	0.53	8.3	ND	U
83-32-9	Acenaphthene	0.60	8.3	ND	U
86-73-7	Fluorene	0.45	8.3	ND	U
85-01-8	Phenanthrene	1.3	8.3	ND	U
120-12-7	Anthracene	0.43	8.3	ND	U
206-44-0	Fluoranthene	1.3	8.3	ND	U
129-00-0	Pyrene	0.57	8.3	ND	U
56-55-3	Benzo(a)anthracene	0.57	8.3	ND	U
218-01-9	Chrysene	0.63	8.3	ND	U
205-99-2	Benzo(b)fluoranthene	0.57	8.3	ND	U
207-08-9	Benzo(k)fluoranthene	0.43	8.3	ND	U
50-32-8	Benzo(a)pyrene	0.38	8.3	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	ND	U
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

F. Form VIII

Internal standard area and retention time data

(VOA and SV only)

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Lab File ID (Standard): 0G01002-CCV2B70 Date Analyzed: 07/01/10

Instrument ID: 5972HP70 Time Analyzed: 0201

		IS1(CRY) AREA #	RT #	IS2(PRY) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	139821	19.46	121421	22.30	29371	4.82
	UPPER LIMIT	279642	19.96	242842	22.80	58742	5.32
	LOWER LIMIT	69911	18.96	60711	21.80	14685	4.32
	CLIENT SAMPLE NO.						
01	SBLKDW	169838	19.47	168369	22.31	37176	4.84
02	SDWLCS	171226	19.47	169813	22.31	41453	4.84
03	SDWLCSD	171100	19.47	166649	22.31	36484	4.84
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Lab File ID (Standard): 0G01002-CCV2B70 Date Analyzed: 07/01/10

Instrument ID: 5972HP70 Time Analyzed: 0201

		IS4(NPT)		IS5(ANT)		IS6(PHN)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	107096	7.13	74653	10.76	157713	13.83
	UPPER LIMIT	214192	7.63	149306	11.26	315426	14.33
	LOWER LIMIT	53548	6.63	37327	10.26	78857	13.33
	CLIENT SAMPLE NO.						
01	SBLKDW	138469	7.14	86076	10.76	182035	13.85
02	SDWLCS	154516	7.14	98516	10.76	201686	13.84
03	SDWLCSD	139354	7.14	86992	10.76	186132	13.85
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Lab File ID (Standard): 0G01008-CCV1A70 Date Analyzed: 07/01/10

Instrument ID: 5972HP70 Time Analyzed: 1139

		IS1(CRY) AREA #	RT #	IS2(PRY) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	125239	19.48	114589	22.31	26498	4.82
	UPPER LIMIT	250478	19.98	229178	22.81	52996	5.32
	LOWER LIMIT	62619	18.98	57295	21.81	13249	4.32
	CLIENT SAMPLE NO.						
01	SS41-0-1	175668	19.48	152340	22.32	47272	4.86
02	SB41-1-2	143930	19.48	122995	22.32	43195	4.84
03	SS35-0-1	103272	19.48	93114	22.32	31095	4.84
04	SB35-2-3	155782	19.48	146891	22.32	37243	4.84
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Lab File ID (Standard): 0G01008-CCV1A70 Date Analyzed: 07/01/10

Instrument ID: 5972HP70 Time Analyzed: 1139

		IS4(NPT) AREA	#	RT	#	IS5(ANT) AREA	#	RT	#	IS6(PHN) AREA	#	RT	#
	12 HOUR STD	99928		7.13		65800		10.76		139762		13.85	
	UPPER LIMIT	199856		7.63		131600		11.26		279524		14.35	
	LOWER LIMIT	49964		6.63		32900		10.26		69881		13.35	
	CLIENT SAMPLE NO.												
01	SS41-0-1	178072		7.15		109754		10.77		215994		13.85	
02	SB41-1-2	165458		7.14		92705		10.76		182846		13.84	
03	SS35-0-1	114350		7.14		68578		10.76		129567		13.85	
04	SB35-2-3	137814		7.14		88237		10.76		183723		13.85	
05													
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV

CompuChem, a Division of Liberty Analytical Corporation

I. SAMPLE DATA PACKAGE

GC/MS by SW-846

Modified For Selected Ion Monitoring (SIM)

The sample data package shall include data for all analyses of all samples in one Sample Delivery Group (SDG), including field samples, dilutions, reanalyses, blanks, matrix spikes, matrix spike duplicates, and laboratory control samples. The sample data package consists of the following:

A. SDG Narrative

B. Chain-of-Custody Documentation

C. SDG Data

LAB CODE: LIBRTY METHOD: 8270C

SDG # : 1005180

A. SDG Narrative

CompuChem
a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG # 1005180
PROTOCOL: SW-846
Date: July 02, 2010

SAMPLE IDENTIFICATIONS:

SB35-2-3, SB41-1-2, SS35-0-1, and SS41-0-1

The four (4) soil samples listed above were received intact, with proper documentation, in sealed shipping containers, on May 21, 2010. The cooler temperatures associated with these samples were 0.3 and 1.3 °C.

The samples listed above were scheduled for the requested analysis of the semivolatile Selected Ion Monitoring (SIM) fraction.

SW-846, 3rd Edition, Update 3, Sonication extraction (Method 3550B), and Method 8270C Selected Ion Monitoring (SIM) were used to prepare and analyze these samples, with the exceptions and/or additions requested by the client. This portion of the narrative deals with the semivolatile Selected Ion Monitoring (SIM) fraction only.

The percent moisture value for these samples ranged from 5 to 18.

Semivolatile SIM

Extraction and analysis holding time requirements were met for these samples.

There were no semivolatile SIM target compound list (TCL) analytes identified above the Contract Required Quantitation Limits (CRQLs) in any of these samples.

Manual integrations were performed on one or more of the process files associated with this SDG. Please see the detailed Manual Integration Summary report that is located behind this SDG narrative. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

Mass assignments were verified by the injections of Perfluorotributylamine for the SIM analysis.

Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All of the surrogates met recovery criteria in the analyses of these samples, with the exception of samples SDWLCS and SDWLCSD. In the analyses of these samples, the recovery of the surrogate, 2-Fluorobiphenyl, was bias low and failed quality control criteria. Since the recovery of this surrogate met our in-house quality control criteria, the results are being reported without any corrective action.

All of the internal standards met response and retention time criteria in the analyses of these samples.

The associated method blank met all quality control criteria.

No matrix spike/matrix spike duplicate (MS/MSD) samples were requested for the semivolatile SIM fraction for this SDG.

The associated Laboratory Control Samples, prepared and analyzed along with this sample, met overall accuracy criteria. The recoveries of the spike compounds Naphthalene, 2-Methylnaphthalene, Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, and Anthracene in the SDWLCS and the recoveries of the spike compounds Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Chrysene, and Benzo(a)pyrene in the SDWLCSD were bias low and failed quality control criteria. These compounds were flagged as outliers in the duplicate laboratory control samples. None of these compounds were detected above the CRQLs in the associated samples. All Relative Percent Difference (RPD) precision criteria were met in the comparison of the duplicate laboratory control samples.

An uncertainty of these test results may be estimated from the recovery of the surrogates added to the sample prior to sample preparation or from the recovery of spiked compound(s) in the associated laboratory control sample. Further information is available upon request.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Furthermore, I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice. Release of the data contained in this hardcopy data package and in the computer-readable data submitted electronically has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

S. A Parikh

Saroj A. Parikh
Data Reviewer
July 02, 2010

Manual Integrations											
SDG: 1005180	SDWLCS	SDWLCSD	SB41-1-2								
Compound											
Naphthalene											
2-Methylnaphthalene											
1-Methylnaphthalene											
Acenaphtylene											
Acenaphthene											
Fluorene											
Phenanthrene											
Anthracene											
Fluoranthene											
Pyrene											
Benzo(a)anthracene											
Chrysene											
Benzo(b)fluoranthene											
Benzo(k)fluoranthene											
Benzo(a)pyrene											
Indeno(1,2,3-cd)pyrene	X	X									
Dibenzo(a,h)anthracene											
Benzo(g,h,i)perylene											
1,4-Dichlorobenzene-d4											
Nahthalene-d8											
Acenapthene-d10			X								
Phenanthrene-d10											
Chrysene-d12											
Perylene-d12											
2-fluorophenol											
Phenol-d5											
Nitrobenzene-d5											
2,4,6-Tribromophenol											
2-Fluorobiphenyl											
Terphenyl-d14											
"X" Denotes a manual integration for the compound											

GC and GC/MS Column and Trap Specifications Table

SDG #: 1005180

COLUMNS

Columns Utilized	Brand Name	Coating Material	ID (mm)	Film Thickness (um)	Length (m)
	GC Laboratory				
	Restek	RTX-5	0.53	1.0	30
	Restek	RTX-SMS	0.53	1.0	30
	Restek	clpest	0.32	0.5	30
	Restek	clpest2	0.32	0.42	30
	J&W	DB-210	0.53	1.0	30
	J&W	GS-GASPRO	0.32	N/A	30
	GC Volatiles Laboratory				
	Restek	RTX-Volatiles	0.53	2.0	30
	GC/MS Volatiles Laboratory				
	Restek	RTX-VMS	0.18	1.0	20
	Supelco	SPB-624	0.32	1.8	60
	Supelco	SPB-624	0.53	3.0	75
	Phenomonex	ZB-624	0.32	1.8	60
	GC/MS Semivolatiles Laboratory				
X	Restek	RTX-5MS	0.32	0.25	30
	Phenomonex	ZB-5MS	0.32	0.25	30
	HPLC Laboratory				
	Supelco	Supelcosil LC-PAH	4.6	5.0	15 cm
	Supelco	Discovery RP Amide C16	4.6	5.0	25 cm
	Restek	Pinnacle Cyano	4.6	5.0	25 cm
	Restek	Allure C18	4.6	5.0	25 cm

TRAPS *

GC and GC/MS Volatiles Laboratory		
Supelco J (BETXTRAP™)	* 7.7 cm Carbopack C	
	* 1.2 cm Carbopack B	
Supelco K (Vocarb3000)	* 10 cm of Carbopack B (Graphitized Carbons)	
	* 6 cm of Carboxen 1000 (Carbon molecular sieves)	
	* 1 cm of Carboxen 1001 (Carbon molecular sieves)	

Rev. 28

* This table contains the GC columns (and volatile organic trap) used for the analysis of volatiles, semi-voaltiles, pesticides, and Aroclors by the SOM01.2 SOW.

Please see the SDG Narrative(s) for the specific fractions(s) relative to this SDG.

CompuChem

a division of Liberty Analytical Corporation

CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.).

Revision 6 (12/6/2005)

Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC chemists. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC analysis. The manual editing/integration flags are:

M - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak.

H - Denotes that the data reviewer, GC/MS operator, or GC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

MH - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.

L - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

The EPA CLP SOW documents require additional explanations for manual editing/integration. In the accompanying raw data packages, additional codes have been applied to the "M" flag and carry the following meanings;

M1 - The compound was not found by the automatic integration routine.

M2 - The compound was incorrectly integrated by the automatic integration routine.

M3 - The co-eluting compounds were incorrectly integrated by the automatic integration routine.

These codes will appear in the GC/MS and GC raw data.

DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each compound. The qualifiers used are:

U : This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J : This flag indicates an estimated value. The flag is used as detailed below:

1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1:1 is assumed for the TIC analyte,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide and/or Aroclor or other GC or HPLC identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.

N : This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search and must be used with the J flag. For generic characterization of a TIC such as "chlorinated hydrocarbon" (or for an "unknown," with no matches ≥85% in the SOM01.1 SOW), the N flag is not used.

P : In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the Form I and flagged with a P.
For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the higher of the two values is reported and flagged with a P. When the RPD is equal to or less than 40%, our policy is to also report the higher of the two values, although the choice could be a project specific issue. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

DATA REPORTING QUALIFIERS (continued)

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations (responses in the SOM01.1 SOW) exceed the upper level of the calibration range (exceed the response of the high ICAL standard in the SOM01.1 SOW) of the instrument for that specific analysis. If one or more compounds have a response greater than the upper level of the calibration range (greater than the response of the highest ICAL standard in the SOM01.1 SOW), the sample or extract will be diluted and reanalyzed. All such compounds with a response greater than the upper level of the calibration range (with responses greater than the response of the highest ICAL standard in the SOM01.1 SOW) will have the concentration (result in the SOM01.1 SOW) flagged with an E on Form I for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration (response in the SOM01.1 SOW) of an analyte exceeds the upper calibration range (exceeds the response of the highest ICAL standard in the SOM01.1 SOW), the DL suffix is appended to the sample number on the Form I for the more diluted sample, and **all** reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.

NOTE 1: The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.

NOTE 2: Separate Forms I are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses <u>are not combined</u> on a single Form I.

A: This flag indicates that a TIC is a suspected aldol-condensation product.

S: In the SOM01.1 SOW, this flag is used to indicate an estimated value for Aroclor target compounds where a valid 5-point initial calibration was not performed prior to the analytes detection in a sample. If an "S" flag is used for a specific Aroclor, then a reanalysis of the sample is required after a valid 5-point calibration is performed for the detected Aroclor.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y, and Z.

B. Chains-of-Custody

The laboratory shall include a copy of the Chain-of-Custody (CoC) documentation for all of the samples in the SDG. The CoC documents shall be arranged in increasing Client Sample ID number order, considering both letters and numbers.

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CHAIN OF CUSTODY

CompuChem
a division of Liberty Analytical Corp.

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St Ste 107
City: Va Beach State: VA Zip: 23462
Project Contact: Rebekka Shaw
Phone #: 757-671-6279
Sampler's Name: K. Rogers

Project Information

Project Name: CTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N)? If yes, which ID(s)?

Requested Analysis (Including Method Number)

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem Lab No.	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B (Share 1-20z.)	Tot Cr 6010B (Share 1-20z.)	Cr VI 7196A	SIM PAH 8270C (Share 1-80z.)	Tcl PEST 8081A	Grain Size ASTMD422 (1-80z.)		Gran size					
1005157-05	BBG-SS70-0-1-10B	5.20	1200	SO	3							X		X	X	X	X		1005213-05					
-07	BBG-SB70-1-2-10B	5.20	1210	SO	3							X		X	X	X	X		-06					
1005180-01	SBG-SS41-0-1-10B	5.20	1520	SO	3								X	X	X	X	X		-07					
	~~BBG-SB41-1-2-10B~~	~~5.20~~	~~125~~	~~SO~~																				
1005180-02	BBG-SB41-1-2-10B	5.20	1525	SO	3								X	X	X	X	X		1005213-08					
1005157-08	BBG-SS69-0-1-10B	5.20	1610	SO	3							X		X	X	X	X		-09					
-09	BBG-SB69-2-3-10B	5.20	1620	SO	3							X		X	X	X	X		-10					
-10	BBG-SB69-1-2-10B	5.20	1820	SO	3							X		X	X	X	X		-11					
-11	BBG-SB65-1-2-10B	5.20	1745	SO	3							X		X	X	X	X		-12					
-12	BBG-SS64-0-1-10B	5.20	1815	SO	3							X		X	X	X	X		-13					

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments:

Sample Custody

Relinquished by:	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5-21-10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontract? Y or (N) If yes, where? Gran size to CT LABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 0.3 °C

Samples stored 60 days after date report mailed at no extra charge.

KM 5-21-10 - Client Delivery

White & Yellow copy to lab • Pink copy for customer SN0010

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CompuChem
a division of Liberty Analytical Corp.

CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: Va Beach State: VA Zip: 23462
Project Contact: Rebekha Shaw
Phone #: 757-671-6279
Sampler's Name: K. ROGERS

Project Information

Project Name: CTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N)? If yes, which ID(s)?

Requested Analyses (underline/highlight and bottle type)

Matrices

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

Contract Lab ID (Lab Use Only)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	6010B metals (Shared 20%)	tot Cr 6010B	Cr VI 7196A	SIM PAH 8270C (Shared 80%)	tru PEST 8081A	Grain Size ASTM D422 (1-80#)	Gran size	Lab Sample ID
1005180-03	BBG-SS35-0-1-10B	5.20	1650	SO	3								X	X	X	X	X	1005213-14	
1005157-13	BBG-SS66-0-1-10B	5.20	1720	SO	3							X		X	X	X	X	-15	
√ -14	BBG-SS65-0-1-10B	5.20	1740	SO	3							X		X	X	X	X	-16	
1005180-04	BBG-SB35-2-3-10B	5.20	1700	SO	3								X	X	X	X	X	-17	
1005157-15	BBG-SS82-0-1-10B	5.21	0825	SO	3							X	X	X	X	X	X	√ -18	
-16	BBG-SS82D-0-1-10B	5.21	0830	SO	2							X	X	X	X	X			
-17	BBG-SB82-2-3-10B	5.21	0840	SO	3							X		X	X	X	X	1005213-19	
√ -18	BBG-SB82D-2-3-10B	5.21	0845	SO	2							X		X	X	X			

Laboratory Only

Sample Unpacked By: K Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

Sample Custody

Relinquished by:	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5.21.10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? (Y) or N If yes, where? Gran size to CT LABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 1.3 °C

Samples stored (60) days after date report mailed at no extra charge.

KM 5.21.10 - Client Delivery

White & Yellow copy to lab • Pink copy for customer SNO015

1005180

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005180** **CASE:**	**Status:**	**Reported**

Report To:
CH2M HILL, INC.
REBEKHA SHAW
5700 CLEVELAND STREET, SUITE 101
VIRGINIA BEACH, VA 23462
Phone: 757-671-8311
Fax: -

Invoice To:
CH2M HILL, INC.
ACCOUNTS PAYABLE
P.O. BOX 241329
DENVER, CO 80224
Phone :757-671-8311
Fax: -

Date Due:	06/10/2010 00:00 (20 day TAT)		
Received By:	Cathy Dover	Date Received:	05/21/2010 16:00
Logged In By:	Cathy Dover	Date Logged In:	05/23/2010 13:13

J & B Flags?: **YES** Metals ND to? **RL/CRQL**	TICS?:**NO** Spike Level: **FULL Spike**	Deliverable: **Style 9 PQL/MDL Forms**	EDD : **30) CH2 SNEDD**

DOD CRITERIA*LCS/LCSD FOR QC*SIM 8270C=PAH.SUB*PEST 8081A* METALS=TOTAL Cr ONLY*HEXAVALENT Cr 7196A + Cr+3 REPORTED ON FORMS & EDD

Analysis	Due	TAT	Expires	Received	Comments
1005180-01 SS41-0-1 [Soil] Sampled 05/20/2010 15:20 Eastern					
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/16/2010 15:20	05/21/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/16/2010 15:20	05/21/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 15:20	05/21/2010 16:00	
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 15:20	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 15:20	05/21/2010 16:00	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 15:20	05/21/2010 16:00	
1005180-02 SB41-1-2 [Soil] Sampled 05/20/2010 15:25 Eastern					
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 15:25	05/21/2010 16:00	
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 15:25	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 15:25	05/21/2010 16:00	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 15:25	05/21/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/16/2010 15:25	05/21/2010 16:00	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/16/2010 15:25	05/21/2010 16:00	

1005180

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005180** **CASE:**	**Status:**	**Reported**

Analysis	Due	TAT	Expires	Comments
1005180-03 SS35-0-1 [Soil] Sampled 05/20/2010 16:50 Eastern				
6010B METALS	06/10/2010 16:00	20	11/16/2010 16:50	05/21/2010 16:00
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/16/2010 16:50	05/21/2010 16:00
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 16:50	05/21/2010 16:00
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 16:50	05/21/2010 16:00
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 16:50	05/21/2010 16:00
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 16:50	05/21/2010 16:00
1005180-04 SB35-2-3 [Soil] Sampled 05/20/2010 17:00 Eastern				
6010B METALS	06/10/2010 16:00	20	11/16/2010 17:00	05/21/2010 16:00
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/16/2010 17:00	05/21/2010 16:00
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 17:00	05/21/2010 16:00
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 17:00	05/21/2010 16:00
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 17:00	05/21/2010 16:00
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 17:00	05/21/2010 16:00

Analysis groups included in this work order

TRIVALENT CHROMIUM Cr3 7196A

Total Cr by Metals HEXAVALENT CHROMI

CompuChem
A Division Of
Liberty Analytical Corp.

Sample ID Cross Reference

LAB WO	Project	Sample #	Field ID	Sample Date	Receive Date	DueDate	Chain of Custody ID
1005180	CTO-094 MCB CAMP LEJEUNE/39530	1005180-01	SS41-0-1	05/20/2010	05/21/2010	06/03/2010	BBG-SS41-0-1-10B
1005180	CTO-094 MCB CAMP LEJEUNE/39530	1005180-01	SS41-0-1	05/20/2010	05/21/2010	06/10/2010	BBG-SS41-0-1-10B
1005180	CTO-094 MCB CAMP LEJEUNE/39530	1005180-02	SB41-1-2	05/20/2010	05/21/2010	06/03/2010	BBG-SB41-1-2-10B
1005180	CTO-094 MCB CAMP LEJEUNE/39530	1005180-02	SB41-1-2	05/20/2010	05/21/2010	06/10/2010	BBG-SB41-1-2-10B
1005180	CTO-094 MCB CAMP LEJEUNE/39530	1005180-03	SS35-0-1	05/20/2010	05/21/2010	06/03/2010	BBG-SS35-0-1-10B
1005180	CTO-094 MCB CAMP LEJEUNE/39530	1005180-03	SS35-0-1	05/20/2010	05/21/2010	06/10/2010	BBG-SS35-0-1-10B
1005180	CTO-094 MCB CAMP LEJEUNE/39530	1005180-04	SB35-2-3	05/20/2010	05/21/2010	06/03/2010	BBG-SB35-2-3-10B
1005180	CTO-094 MCB CAMP LEJEUNE/39530	1005180-04	SB35-2-3	05/20/2010	05/21/2010	06/10/2010	BBG-SB35-2-3-10B

WORK ORDER

1005180

Printed: 5/28/2010 6:52:55PM

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005180** **CASE:**	**Status:**	**Received**

Report To:
CH2M HILL, INC.
REBEKHA SHAW
5700 CLEVELAND STREET, SUITE 101
VIRGINIA BEACH, VA 23462
Phone: 757-671-8311
Fax: -

Invoice To:
CH2M HILL, INC.
ACCOUNTS PAYABLE
P.O. BOX 241329
DENVER, CO 80224
Phone :757-671-8311
Fax: -

Date Due: 06/10/2010 00:00 (20 day TAT)

Received By: Cathy Dover — Date Received: 05/21/2010 16:00

Logged In By: Cathy Dover — Date Logged In: 05/23/2010 13:13

J & B Flags?: **YES**	TICS?:**NO**	Deliverable: **Style 9 PQL/MDL Forms**	EDD : **30) CH2 SNEDD**
Metals ND to? **RL/CRQL**	Spike Level: **FULL Spike**		

DOD CRITERIA*LCS/LCSD FOR QC*SIM 8270C=PAH.SUB*PEST 8081A* METALS=TOTAL Cr ONLY*HEXAVALENT Cr 7196A + Cr+3 REPORTED ON FORMS & EDD

Analysis	Due	TAT	Expires	Received	Comments
1005180-01 SS41-0-1 [Soil] Sampled 05/20/2010 15:20 Eastern					
6010B METALS	06/10/2010 16:00	20	11/16/2010 15:20	05/21/2010 16:00	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 15:20	05/21/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 15:20	05/21/2010 16:00	
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 15:20	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 15:20	05/21/2010 16:00	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/16/2010 15:20	05/21/2010 16:00	
1005180-02 SB41-1-2 [Soil] Sampled 05/20/2010 15:25 Eastern					
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 15:25	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 15:25	05/21/2010 16:00	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/16/2010 15:25	05/21/2010 16:00	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 15:25	05/21/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/16/2010 15:25	05/21/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 15:25	05/21/2010 16:00	

1005180

COMPUCHEM

Client:	CH2M HILL, INC.	**Project Manager:**	Cathy Dover
Project:	CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Project Number:**	CTO-094 MCB CAMP LEJEUNE/395307.SA.D
SDG:	1005180 **CASE:**	**Status:**	[Group]

Analysis	Due	TAT	Expires	Comments
1005180-03 SS35-0-1 [Soil] Sampled 05/20/2010 16:50 Eastern				
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 16:50	05/21/2010 16:00
6010B METALS	06/10/2010 16:00	20	11/16/2010 16:50	05/21/2010 16:00
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/16/2010 16:50	05/21/2010 16:00
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 16:50	05/21/2010 16:00
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 16:50	05/21/2010 16:00
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 16:50	05/21/2010 16:00
1005180-04 SB35-2-3 [Soil] Sampled 05/20/2010 17:00 Eastern				
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 17:00	05/21/2010 16:00
6010B METALS	06/10/2010 16:00	20	11/16/2010 17:00	05/21/2010 16:00
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/16/2010 17:00	05/21/2010 16:00
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 17:00	05/21/2010 16:00
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 17:00	05/21/2010 16:00
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 17:00	05/21/2010 16:00

Analysis groups included in this work order

TRIVALENT CHROMIUM Cr3 7196A

Total Cr by Metals HEXAVALENT CHROMI

CompuChem, a Division of Liberty Analytical Corp.

EXTRACT COC

DEPT: EXTR DATE: 6-2-10

BATCH: 0060119

6-2-1

	COMPUCHEM NUMBER	CLIENT SAMPLE ID	PARAMETER	
1	0060119-BLK1	SBLKDW		
2	0060119-BS1	SDWLCS		
3	0060119-BSD1	SDWLCSD		
4	1005129-16RE1	SB59-9-10		
5	1005132-12RE1	SB86-3-4		
6	1005180-01	SS41-0-1		
7	1005180-02	SB41-1-2		
8	1005180-03	SS35-0-1		
9	1005180-04	SB35-2-3		
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28				

	RELINQUISHED BY	DATE/TIME		REC. BY	REASON
	[signature]	6-2-10	1110	GC/MS cdg #3	storage
	Gcms #3	7-1-10	300	B	Analysis
	B	7-1-10	330	Gcms #3	storage

Rev. 12/29/09:RM

Client: CH2M HILL, INC.

Work Order 1005180

Sdg: DRAFT 1005180

Sample Summary

Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM

Case:

50

Lab Number	Client Id	Sampled	Recieved	Extracted	Initial	Extract	Final	Spike	%Moist	PH	Batch	Analysis
1005180-01	DRAFT: SS41-0-1	5/20/10	5/21/10	6/1/10	10	1.31	10		8		0060120	Solids, Dry Weight
1005180-02	DRAFT: SB41-1-2	5/20/10	5/21/10	6/1/10	10	1.32	10		18		0060120	Solids, Dry Weight
1005180-03	DRAFT: SS35-0-1	5/20/10	5/21/10	6/1/10	10	1.32	10		5		0060120	Solids, Dry Weight
1005180-04	DRAFT: SB35-2-3	5/20/10	5/21/10	6/1/10	10	1.32	10		11		0060120	Solids, Dry Weight

C. SDG Data

1. QC Summary
2. Sample Data
3. Standards Data
4. Raw QC Data

LAB CODE: LIBRTY METHOD: 8270C

SDG # : 1005180

1. QC Summary

a. Surrogate Percent Recovery Summary (Form II SV)

b. Spike Summary - MS / MSD / LCS
(Form III SV)

c. Method Blank Summary (Form IV SV)

d. Internal Standard Area and RT Summary
(Form VIII SV)

a. Surrogate Percent Recovery Summary

(Form II SV)

FORM 2
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Level: (low/med) LOW

	CLIENT SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	SBLKDW	64	61	71						0
02	SDWLCS	38	37*	63						1
03	SDWLCSD	43	44*	56						1
04	SS41-0-1	61	62	78						0
05	SB41-1-2	63	74	84						0
06	SS35-0-1	44	52	70						0
07	SB35-2-3	58	56	70						0
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	QC LIMITS
S1 (NBZ) = Nitrobenzene-d5	(35-100)
S2 (FBP) = 2-Fluorobiphenyl	(45-105)
S3 (TPH) = Terphenyl-d14	(30-125)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

b. Spike Summary - MS / MSD / LCS
(Form III SV)

3D
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

SDWLCS

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Matrix Spike - EPA Sample No.: SDWLCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Naphthalene	16.67		6.046	36*	40-105
2-Methylnaphthalene	16.67		7.084	42*	45-105
Acenaphthylene	16.67		6.175	37*	50-105
Acenaphthene	16.67		5.902	35*	45-110
Fluorene	16.67		6.159	37*	50-110
Phenanthrene	16.67		7.485	45*	50-110
Anthracene	16.67		8.008	48*	55-105
Fluoranthene	16.67		9.666	58	55-115
Pyrene	16.67		8.787	53	45-125
Benzo(a)anthracene	16.67		10.22	61	50-110
Chrysene	16.67		9.375	56	55-110
Benzo(b)fluoranthene	16.67		8.631	52	45-115
Benzo(k)fluoranthene	16.67		9.086	55	45-125
Benzo(a)pyrene	16.67		8.255	50	50-110
Indeno(1,2,3-cd)pyrene	16.67		11.74	70	40-125
Dibenzo(a,h)anthracene	16.67		9.376	56	40-125
Benzo(g,h,i)perylene	16.67		8.775	53	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

3D
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

SDWLCS

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Matrix Spike - EPA Sample No.: SDWLCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Naphthalene	16.67	7.295	44	20	30	40-105
2-Methylnaphthalene	16.67	7.824	47	11	30	45-105
Acenaphthylene	16.67	7.096	43*	15	30	50-105
Acenaphthene	16.67	6.775	41*	16	30	45-110
Fluorene	16.67	6.954	42*	13	30	50-110
Phenanthrene	16.67	7.109	43*	5	30	50-110
Anthracene	16.67	7.918	47*	2	30	55-105
Fluoranthene	16.67	9.358	56	4	30	55-115
Pyrene	16.67	7.88	47	12	30	45-125
Benzo(a)anthracene	16.67	9.459	57	7	30	50-110
Chrysene	16.67	8.901	53*	6	30	55-110
Benzo(b)fluoranthene	16.67	8.11	49	6	30	45-115
Benzo(k)fluoranthene	16.67	8.834	53	4	30	45-125
Benzo(a)pyrene	16.67	7.974	48*	4	30	50-110
Indeno(1,2,3-cd)pyrene	16.67	11.22	67	4	30	40-125
Dibenzo(a,h)anthracene	16.67	8.922	54	4	30	40-125
Benzo(g,h,i)perylene	16.67	8.34	50	6	30	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 17 outside limits
Spike Recovery: 14 out of 34 outside limits

COMMENTS: _____

c. Method Blank Summary (Form IV SV)

If more than a single form is necessary, forms shall be arranged in chronological order by date of analysis of the blanks and by instrument.

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

SBLKDW

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Lab File ID: 0060119-BLK1B70 Lab Sample ID: 0060119-BLK1

Instrument ID: 5972HP70 Date Extracted: 06/01/10

Matrix: (soil/water) SOIL Date Analyzed: 07/01/10

Level:(low/med) LOW Time Analyzed: 0758

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SDWLCS	0060119-BS1	0060119-BS1B	07/01/10
02	SDWLCSD	0060119-BSD1	0060119-BSD1	07/01/10
03	SS41-0-1	1005180-01	1005180-01A7	07/01/10
04	SB41-1-2	1005180-02	1005180-02A7	07/01/10
05	SS35-0-1	1005180-03	1005180-03A7	07/01/10
06	SB35-2-3	1005180-04	1005180-04A7	07/01/10
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COMMENTS:

d. Internal Standard Area and RT Summary (Form VIII SV)

If more than a single form is necessary, forms shall be arranged in chronological order, by instrument.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Lab File ID (Standard): 0G01002-CCV2B70 Date Analyzed: 07/01/10

Instrument ID: 5972HP70 Time Analyzed: 0201

		IS1(CRY)		IS2(PRY)		IS3(DCB)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	139821	19.46	121421	22.30	29371	4.82
	UPPER LIMIT	279642	19.96	242842	22.80	58742	5.32
	LOWER LIMIT	69911	18.96	60711	21.80	14685	4.32
	CLIENT SAMPLE NO.						
01	SBLKDW	169838	19.47	168369	22.31	37176	4.84
02	SDWLCS	171226	19.47	169813	22.31	41453	4.84
03	SDWLCSD	171100	19.47	166649	22.31	36484	4.84
04							
05							
06							
07							
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10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Lab File ID (Standard): 0G01002-CCV2B70 Date Analyzed: 07/01/10

Instrument ID: 5972HP70 Time Analyzed: 0201

		IS4(NPT)		IS5(ANT)		IS6(PHN)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	107096	7.13	74653	10.76	157713	13.83
	UPPER LIMIT	214192	7.63	149306	11.26	315426	14.33
	LOWER LIMIT	53548	6.63	37327	10.26	78857	13.33
	CLIENT SAMPLE NO.						
01	SBLKDW	138469	7.14	86076	10.76	182035	13.85
02	SDWLCS	154516	7.14	98516	10.76	201686	13.84
03	SDWLCSD	139354	7.14	86992	10.76	186132	13.85
04							
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20							

IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Lab File ID (Standard): 0G01008-CCV1A70 Date Analyzed: 07/01/10

Instrument ID: 5972HP70 Time Analyzed: 1139

		IS1(CRY) AREA #	RT #	IS2(PRY) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	125239	19.48	114589	22.31	26498	4.82
	UPPER LIMIT	250478	19.98	229178	22.81	52996	5.32
	LOWER LIMIT	62619	18.98	57295	21.81	13249	4.32
	CLIENT SAMPLE NO.						
01	SS41-0-1	175668	19.48	152340	22.32	47272	4.86
02	SB41-1-2	143930	19.48	122995	22.32	43195	4.84
03	SS35-0-1	103272	19.48	93114	22.32	31095	4.84
04	SB35-2-3	155782	19.48	146891	22.32	37243	4.84
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Lab File ID (Standard): 0G01008-CCV1A70 Date Analyzed: 07/01/10

Instrument ID: 5972HP70 Time Analyzed: 1139

		IS4(NPT) AREA #	RT #	IS5(ANT) AREA #	RT #	IS6(PHN) AREA #	RT #
	12 HOUR STD	99928	7.13	65800	10.76	139762	13.85
	UPPER LIMIT	199856	7.63	131600	11.26	279524	14.35
	LOWER LIMIT	49964	6.63	32900	10.26	69881	13.35
	CLIENT SAMPLE NO.						
01	SS41-0-1	178072	7.15	109754	10.77	215994	13.85
02	SB41-1-2	165458	7.14	92705	10.76	182846	13.84
03	SS35-0-1	114350	7.14	68578	10.76	129567	13.85
04	SB35-2-3	137814	7.14	88237	10.76	183723	13.85
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

2. Sample Data

Sample data shall be arranged in packets with the Organic Analysis Data Sheet (Form I SV), followed by the raw data for semivolatile samples. These sample packets shall be placed in increasing Client Sample ID number order, considering both letters and numbers.

a. Target Analyte Results (Form I SV)

Tabulated results (identification and quantitation) shall be included.

b. Chromatograms

Include for each sample or sample extract, including dilutions and reanalyses. The chromatogram shall contain the following header information: Client Sample ID number, date and time of analysis, GC/MS instrument identifier, lab file identifier, and analyst ID.

c. Quantitation Report showing calculations for target analytes

- Include a printout of the Enhanced Ion Current Profile (EICP) for all manual changes to the compounds, internal standard, and/or surrogate compound.

d. Copies of raw spectra and copies of background-subtracted mass spectra of target analytes identified in the sample.

- The spectra shall include the following information: Client Sample ID number, Lab file ID, date and time of analysis, and instrument ID.
- The compound name must be clearly marked.

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005180
Client Sample ID: SB35-2-3

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005180-04
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005180-04A70
Analyst: OWS

% Moisture: 11 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060119-BLK1

Date Extracted: 06/01/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

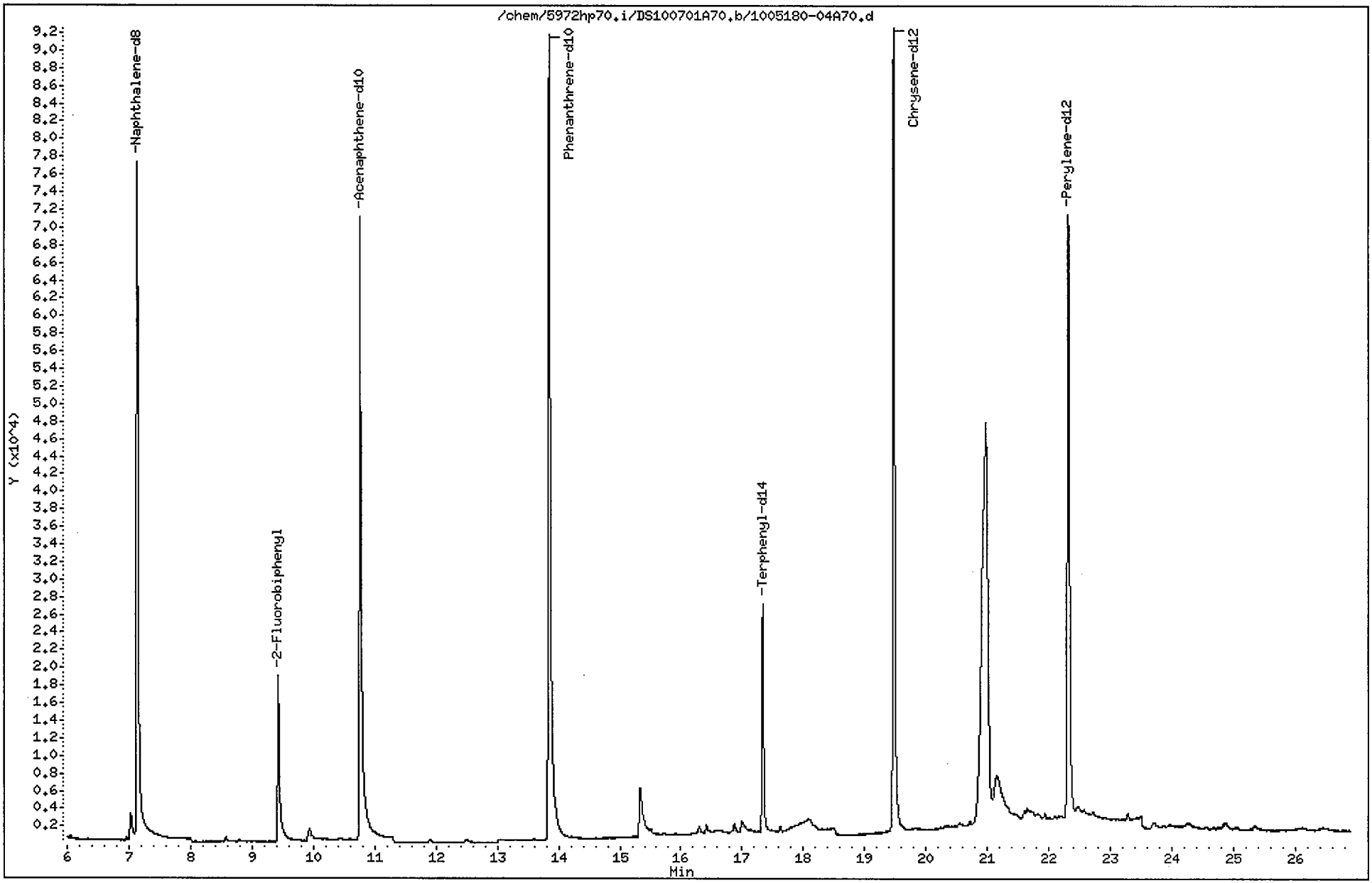
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.81	9.3	ND	U
91-57-6	2-Methylnaphthalene	0.77	9.3	ND	U
208-96-8	Acenaphthylene	0.60	9.3	ND	U
83-32-9	Acenaphthene	0.67	9.3	ND	U
86-73-7	Fluorene	0.51	9.3	ND	U
85-01-8	Phenanthrene	1.5	9.3	ND	U
120-12-7	Anthracene	0.49	9.3	ND	U
206-44-0	Fluoranthene	1.5	9.3	ND	U
129-00-0	Pyrene	0.64	9.3	ND	U
56-55-3	Benzo(a)anthracene	0.64	9.3	ND	U
218-01-9	Chrysene	0.71	9.3	ND	U
205-99-2	Benzo(b)fluoranthene	0.64	9.3	ND	U
207-08-9	Benzo(k)fluoranthene	0.49	9.3	ND	U
50-32-8	Benzo(a)pyrene	0.43	9.3	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.41	9.3	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.37	9.3	ND	U
191-24-2	Benzo(g,h,i)perylene	0.43	9.3	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100701A70.b/1005180-04A70.d
Date : 01-JUL-2010 14:19
Client ID: SB35-2-3
Sample Info: 1005180-04:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701A70.b/1005180-04A70.d
Report Date: 02-Jul-2010 13:31

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701A70.b/1005180-04A70.d
Lab Smp Id: 1005180-04 Client Smp ID: SB35-2-3
Inj Date : 01-JUL-2010 14:19
Operator : OWS Inst ID: 5972hp70.i
Smp Info : 1005180-04:OWS
Misc Info : SB35-2-3
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701A70.b/SIM_8270Cv3DOD.m
Meth Date : 02-Jul-2010 13:19 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	11.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
*	1 1,4-Dichlorobenzene-d4	152	4.838	4.820	(1.000)	37243	2.00000		(a)
*	2 Naphthalene-d8	136	7.138	7.130	(1.000)	137814	2.00000		(a)
*	3 Acenaphthene-d10	164	10.763	10.763	(1.000)	88237	2.00000		(a)
*	4 Phenanthrene-d10	188	13.850	13.846	(1.000)	183723	2.00000		(a)
*	5 Chrysene-d12	240	19.476	19.476	(1.000)	155782	2.00000		(a)
*	6 Perylene-d12	264	22.318	22.314	(1.000)	146891	2.00000		(a)
$	9 Nitrobenzene-d5	82	5.865	5.856	(0.822)	25815	0.57885	11	
$	10 2-Fluorobiphenyl	172	9.432	9.432	(0.876)	34139	0.56139	11	
$	12 Terphenyl-d14	244	17.344	17.343	(0.891)	38666	0.69729	13	
	13 Naphthalene	128	Compound Not Detected.						
	15 2-Methylnaphthalene	141	Compound Not Detected.						
	17 Acenaphthylene	152	Compound Not Detected.						
	18 Acenaphthene	154	Compound Not Detected.						

Data File: /chem/5972hp70.i/DS100701A70.b/1005180-04A70.d
Report Date: 02-Jul-2010 13:31

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005180
Client Sample ID: SB41-1-2

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005180-02
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005180-02A70
Analyst: OWS

% Moisture: 18 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060119-BLK1

Date Extracted: 06/01/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

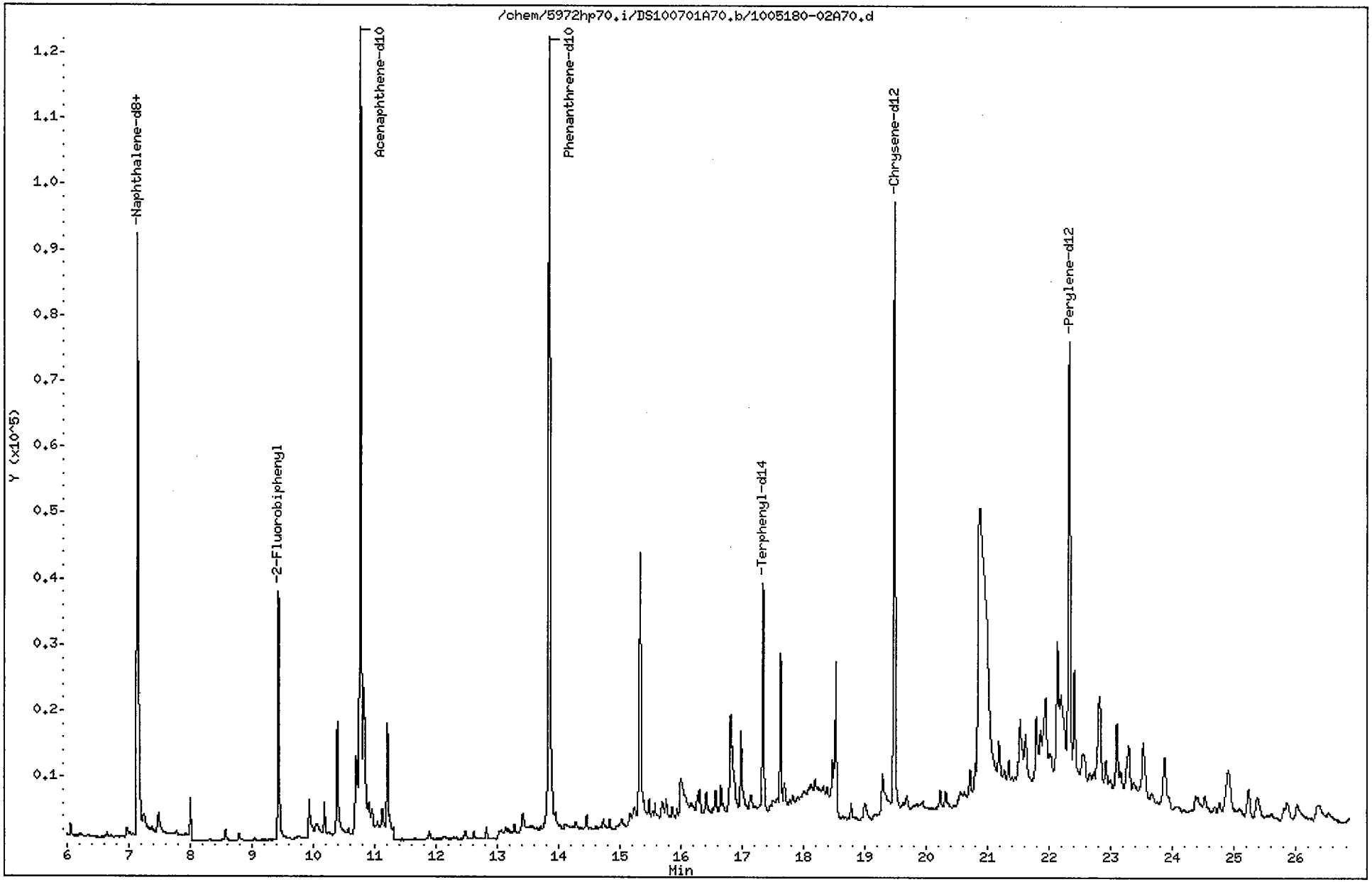
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.87	10	1.9	JB
91-57-6	2-Methylnaphthalene	0.83	10	ND	U
208-96-8	Acenaphthylene	0.65	10	ND	U
83-32-9	Acenaphthene	0.73	10	ND	U
86-73-7	Fluorene	0.55	10	ND	U
85-01-8	Phenanthrene	1.6	10	ND	U
120-12-7	Anthracene	0.53	10	ND	U
206-44-0	Fluoranthene	1.6	10	ND	U
129-00-0	Pyrene	0.69	10	ND	U
56-55-3	Benzo(a)anthracene	0.69	10	ND	U
218-01-9	Chrysene	0.77	10	ND	U
205-99-2	Benzo(b)fluoranthene	0.69	10	ND	U
207-08-9	Benzo(k)fluoranthene	0.53	10	ND	U
50-32-8	Benzo(a)pyrene	0.47	10	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.45	10	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.41	10	ND	U
191-24-2	Benzo(g,h,i)perylene	0.47	10	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100701A70.b/1005180-02A70.d
Date : 01-JUL-2010 13:08
Client ID: SB41-1-2
Sample Info: 1005180-02:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701A70.b/1005180-02A70.d
Report Date: 02-Jul-2010 17:03

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701A70.b/1005180-02A70.d
Lab Smp Id: 1005180-02 Client Smp ID: SB41-1-2
Inj Date : 01-JUL-2010 13:08
Operator : OWS Inst ID: 5972hp70.i
Smp Info : 1005180-02:OWS
Misc Info : SB41-1-2
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701A70.b/SIM_8270Cv3DOD.m
Meth Date : 02-Jul-2010 13:19 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	18.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
* 1	1,4-Dichlorobenzene-d4	152	4.837	4.820	(1.000)	43195	2.00000	
* 2	Naphthalene-d8	136	7.139	7.130	(1.000)	165458	2.00000	
* 3	Acenaphthene-d10	164	10.762	10.763	(1.000)	92705	2.00000	(M)
* 4	Phenanthrene-d10	188	13.841	13.846	(1.000)	182846	2.00000	
* 5	Chrysene-d12	240	19.475	19.476	(1.000)	143930	2.00000	
* 6	Perylene-d12	264	22.322	22.314	(1.000)	122995	2.00000	
$ 9	Nitrobenzene-d5	82	5.856	5.856	(0.820)	33865	0.63248	13
$ 10	2-Fluorobiphenyl	172	9.427	9.432	(1.000)	47099	0.73718	15
$ 12	Terphenyl-d14	244	17.336	17.343	(0.890)	43270	0.84457	17
13	Naphthalene	128	7.170	7.161	(1.004)	10136	0.09593	1.9(a)
15	2-Methylnaphthalene	141	Compound Not Detected.					
17	Acenaphthylene	152	Compound Not Detected.					
18	Acenaphthene	154	Compound Not Detected.					

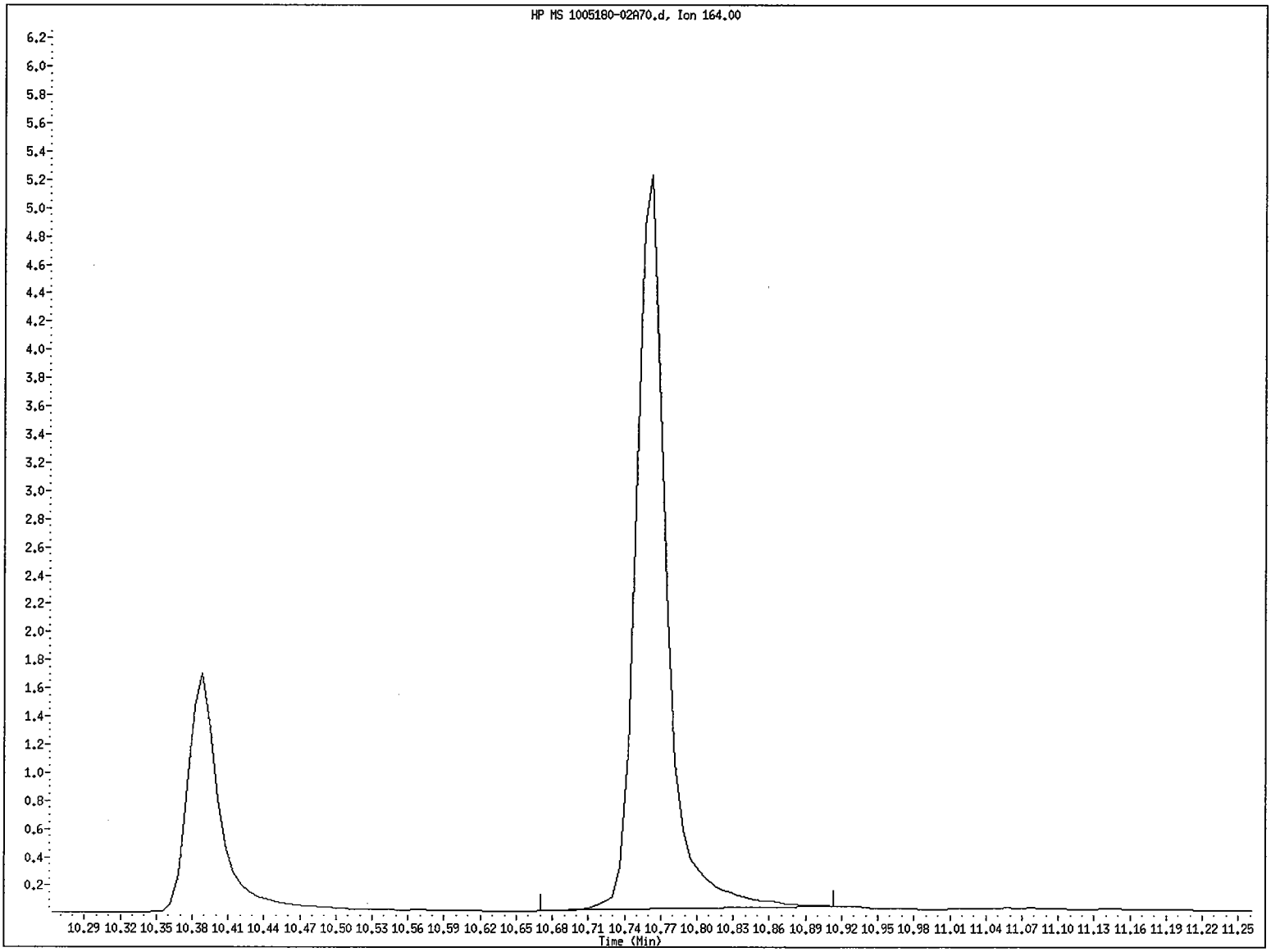
Data File: /chem/5972hp70.i/DS100701A70.b/1005180-02A70.d
Report Date: 02-Jul-2010 17:03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Acenaphthene-d10 CAS Number 15067-26-2 Area = 92705 Manually integrated



File name: /chem/5972hp70.i/DS100701A70.b/1005180-02A70.d
Client ID: SB41-1-2
Instrument ID: 5972hp70.i
Injection Date and Time: 01-JUL-2010 13:08
Retention Time: 10.76
Operator ID: OWS

Data File: /chem/5972hp70.i/DS100701A70.b/1005180-02A70.d

Date : 01-JUL-2010 13:08

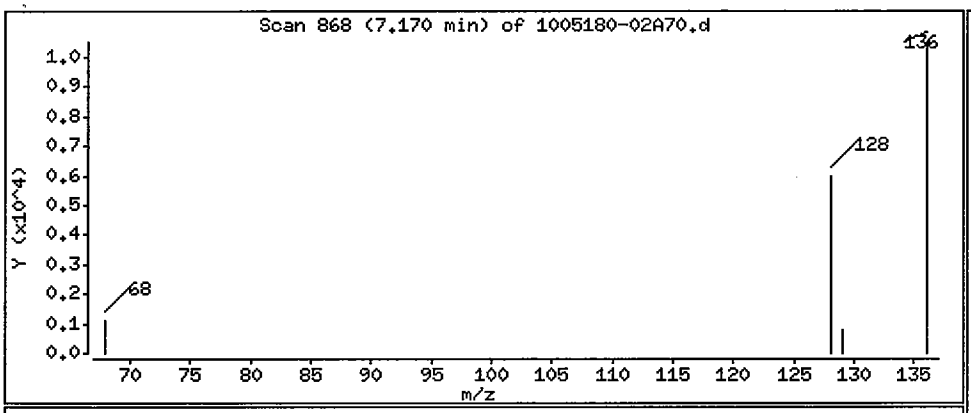
Client ID: SB41-1-2 Instrument: 5972hp70.i

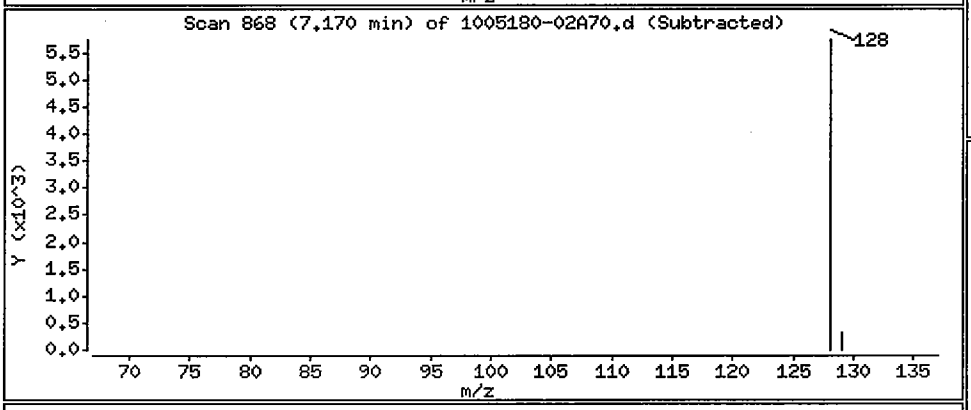
Sample Info: 1005180-02:OWS

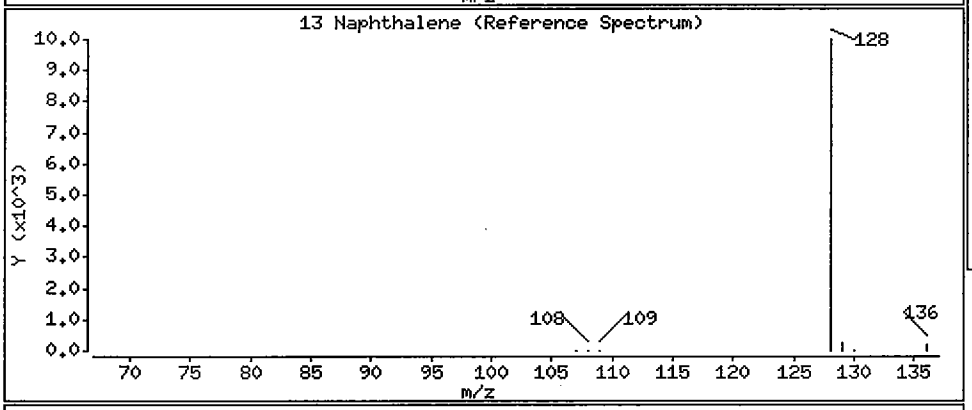
Volume Injected (uL): 2.0 Operator: OWS

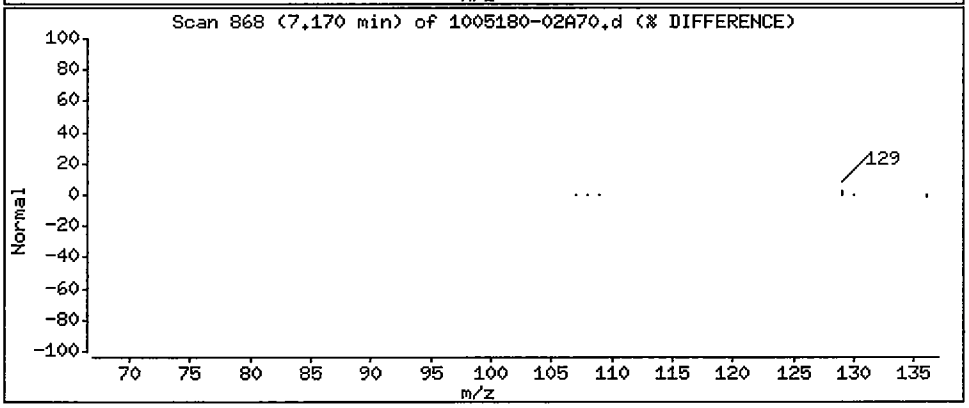
Column phase: Rtx-5MS Column diameter: 0.32

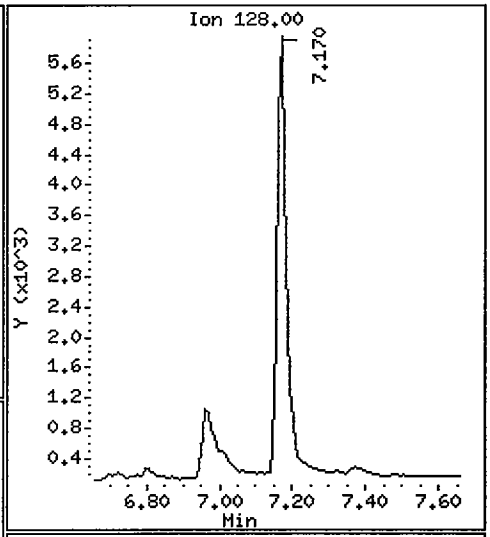
13 Naphthalene Concentration: 1.9 ug/Kg

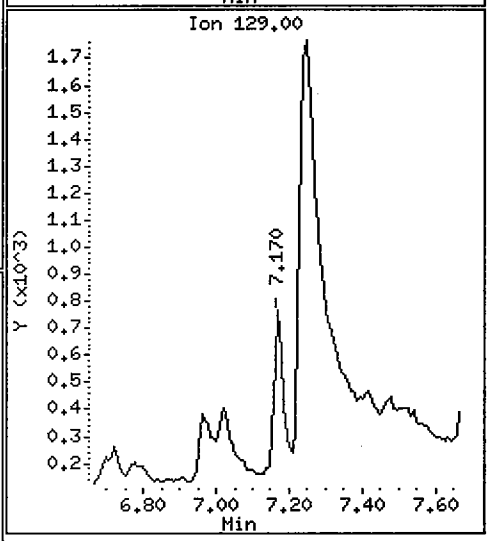












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005180
Client Sample ID: SS35-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005180-03
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005180-03A70
Analyst: OWS

% Moisture: 5 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060119-BLK1

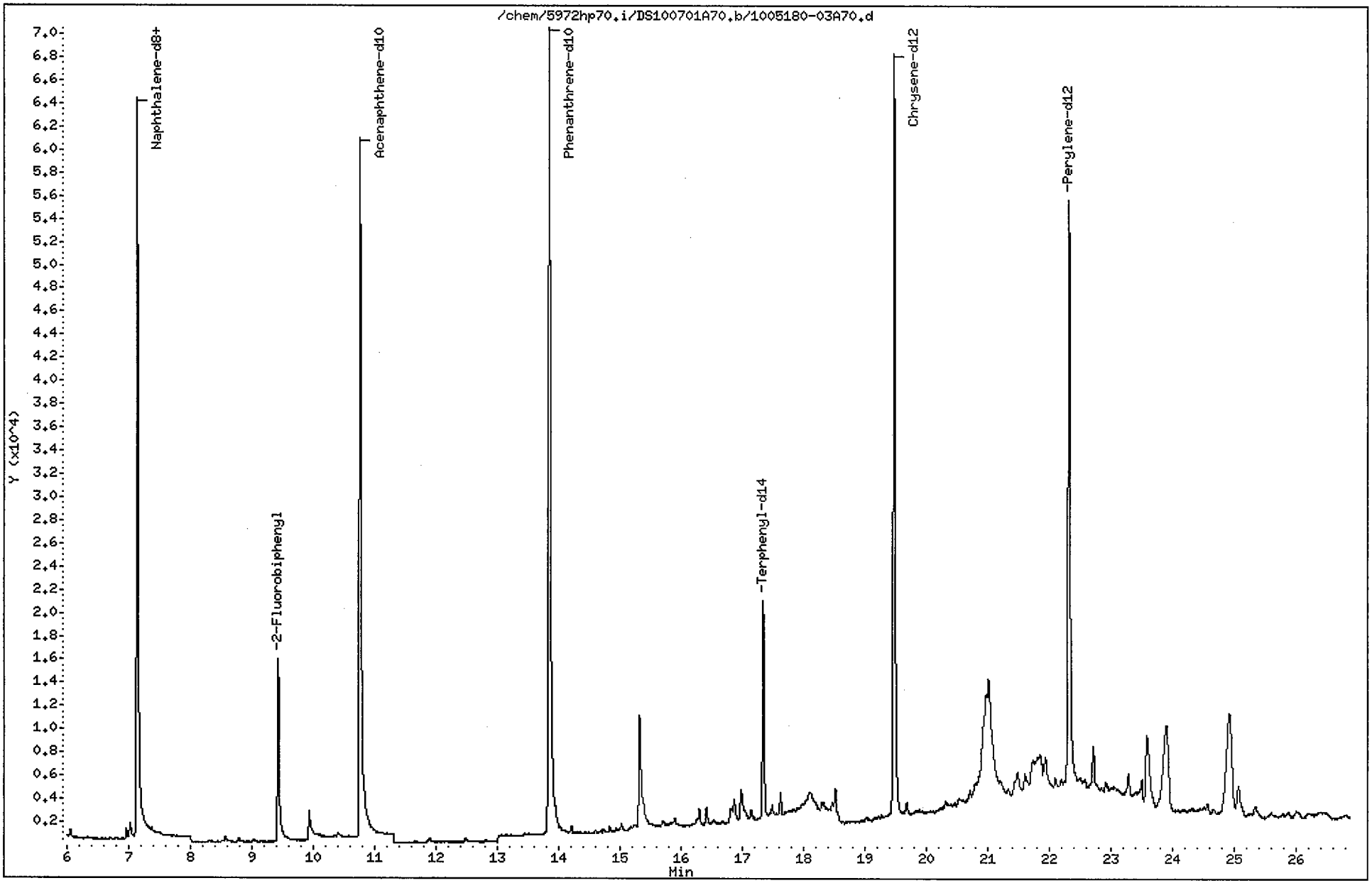
Date Extracted: 06/01/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.75	8.7	0.86	JB
91-57-6	2-Methylnaphthalene	0.72	8.7	ND	U
208-96-8	Acenaphthylene	0.56	8.7	ND	U
83-32-9	Acenaphthene	0.63	8.7	ND	U
86-73-7	Fluorene	0.47	8.7	ND	U
85-01-8	Phenanthrene	1.4	8.7	ND	U
120-12-7	Anthracene	0.46	8.7	ND	U
206-44-0	Fluoranthene	1.4	8.7	ND	U
129-00-0	Pyrene	0.60	8.7	ND	U
56-55-3	Benzo(a)anthracene	0.60	8.7	ND	U
218-01-9	Chrysene	0.67	8.7	ND	U
205-99-2	Benzo(b)fluoranthene	0.60	8.7	ND	U
207-08-9	Benzo(k)fluoranthene	0.46	8.7	ND	U
50-32-8	Benzo(a)pyrene	0.40	8.7	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.39	8.7	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.35	8.7	ND	U
191-24-2	Benzo(g,h,i)perylene	0.40	8.7	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp70.i/DS100701A70.b/1005180-03A70.d
Date : 01-JUL-2010 13:43
Client ID: SS35-0-1
Sample Info: 1005180-03:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701A70.b/1005180-03A70.d
Report Date: 02-Jul-2010 13:31

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701A70.b/1005180-03A70.d
Lab Smp Id: 1005180-03 Client Smp ID: SS35-0-1
Inj Date : 01-JUL-2010 13:43
Operator : OWS Inst ID: 5972hp70.i
Smp Info : 1005180-03:OWS
Misc Info : SS35-0-1
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701A70.b/SIM_8270Cv3DOD.m
Meth Date : 02-Jul-2010 13:19 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	5.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
* 1 1,4-Dichlorobenzene-d4	152	4.836	4.820	(1.000)	31095	2.00000		(a)
* 2 Naphthalene-d8	136	7.138	7.130	(1.000)	114350	2.00000		(a)
* 3 Acenaphthene-d10	164	10.763	10.763	(1.000)	68578	2.00000		(a)
* 4 Phenanthrene-d10	188	13.845	13.846	(1.000)	129567	2.00000		(a)
* 5 Chrysene-d12	240	19.476	19.476	(1.000)	103272	2.00000		(a)
* 6 Perylene-d12	264	22.318	22.314	(1.000)	93114	2.00000		(a)
$ 9 Nitrobenzene-d5	82	5.860	5.856	(0.821)	16407	0.44338	7.8	
$ 10 2-Fluorobiphenyl	172	9.428	9.432	(0.876)	24594	0.52037	9.1	
$ 12 Terphenyl-d14	244	17.340	17.343	(0.890)	25672	0.69836	12	
13 Naphthalene	128	7.169	7.161	(1.004)	3562	0.04878	0.86	(a)
15 2-Methylnaphthalene	141	Compound Not Detected.						
17 Acenaphthylene	152	Compound Not Detected.						
18 Acenaphthene	154	Compound Not Detected.						

07/2/10

Data File: /chem/5972hp70.i/DS100701A70.b/1005180-03A70.d
Report Date: 02-Jul-2010 13:31

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: /chem/5972hp70.i/DS100701A70.b/1005180-03A70.d

Date : 01-JUL-2010 13:43

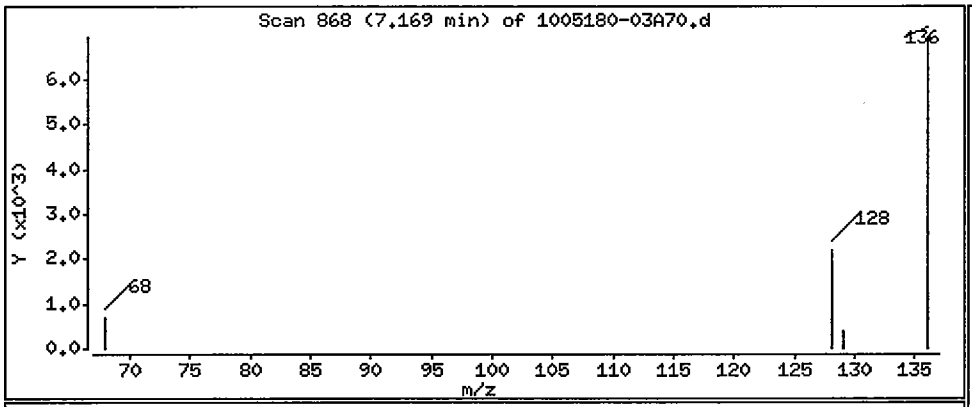
Client ID: SS35-0-1 Instrument: 5972hp70.i

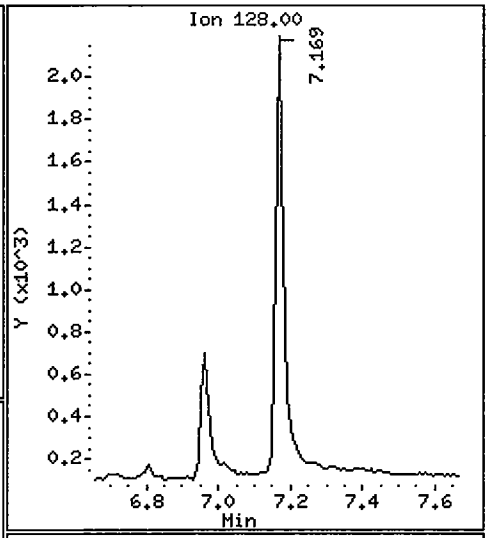
Sample Info: 1005180-03:OWS

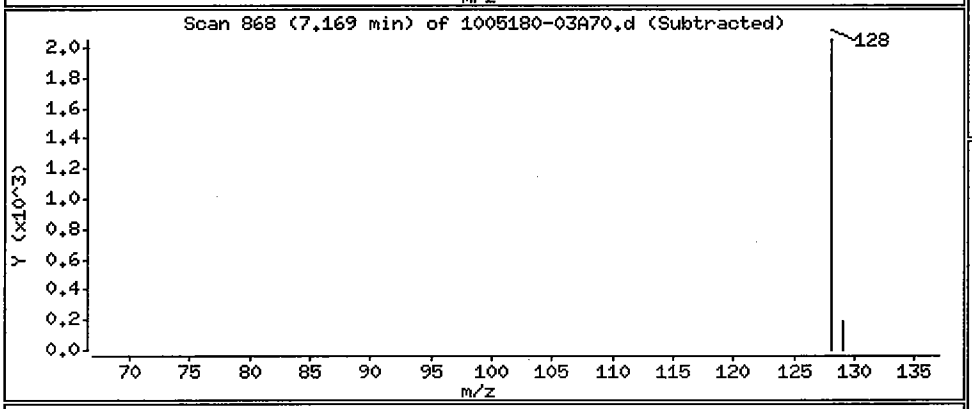
Volume Injected (uL): 2.0 Operator: OWS

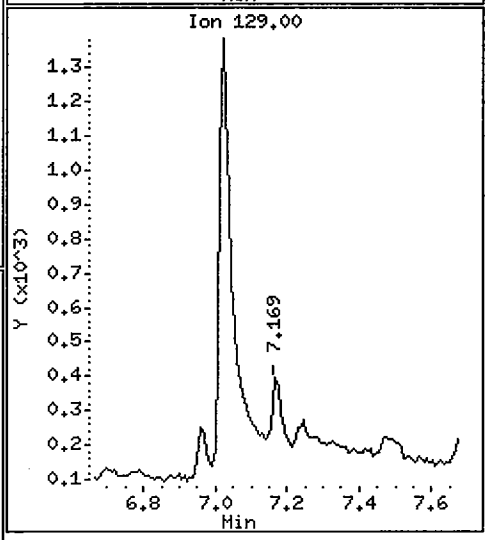
Column phase: Rtx-5MS Column diameter: 0.32

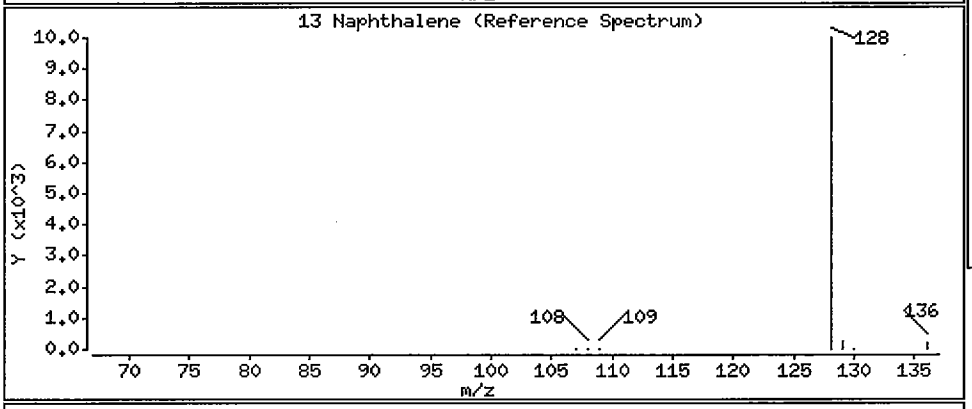
13 Naphthalene Concentration: 0.86 ug/Kg

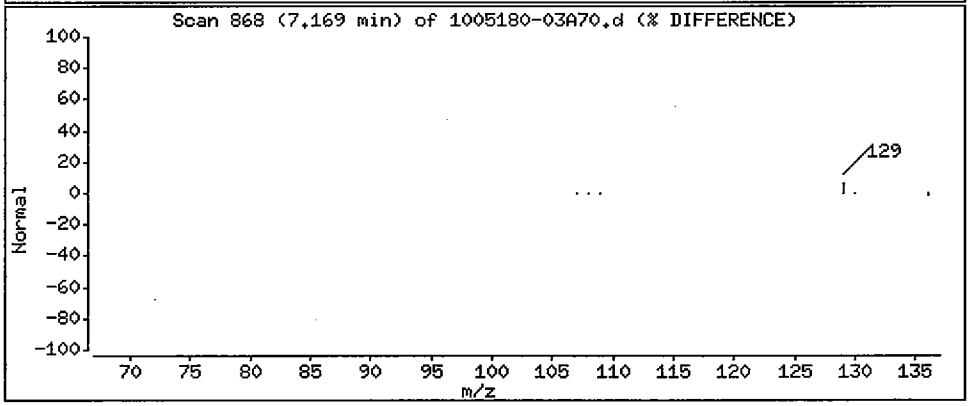












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005180
Client Sample ID: SS41-0-1

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/20/10

Lab Sample ID: 1005180-01
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: 05/21/10
Lab File ID: 1005180-01A70
Analyst: OWS

% Moisture: 8 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060119-BLK1

Date Extracted: 06/01/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

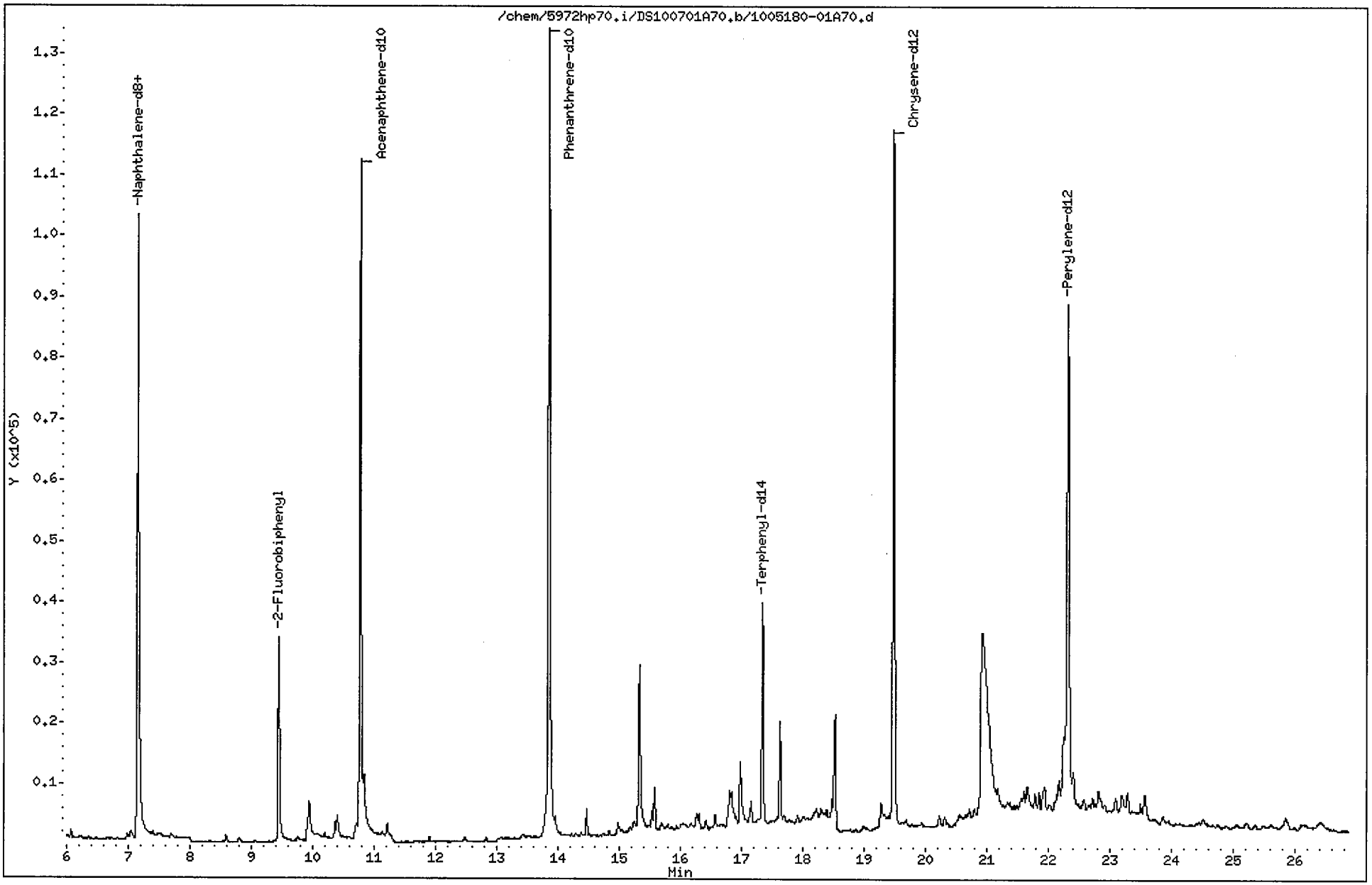
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.78	9.0	1.4	JB
91-57-6	2-Methylnaphthalene	0.74	9.0	ND	U
208-96-8	Acenaphthylene	0.58	9.0	ND	U
83-32-9	Acenaphthene	0.65	9.0	ND	U
86-73-7	Fluorene	0.49	9.0	ND	U
85-01-8	Phenanthrene	1.4	9.0	ND	U
120-12-7	Anthracene	0.47	9.0	ND	U
206-44-0	Fluoranthene	1.4	9.0	ND	U
129-00-0	Pyrene	0.62	9.0	ND	U
56-55-3	Benzo(a)anthracene	0.62	9.0	ND	U
218-01-9	Chrysene	0.69	9.0	ND	U
205-99-2	Benzo(b)fluoranthene	0.62	9.0	ND	U
207-08-9	Benzo(k)fluoranthene	0.47	9.0	ND	U
50-32-8	Benzo(a)pyrene	0.42	9.0	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.40	9.0	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.36	9.0	ND	U
191-24-2	Benzo(g,h,i)perylene	0.42	9.0	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100701A70.b/1005180-01A70.d
Date : 01-JUL-2010 12:32
Client ID: SS41-0-1
Sample Info: 1005180-01:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701A70.b/1005180-01A70.d
Report Date: 02-Jul-2010 13:31

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701A70.b/1005180-01A70.d
Lab Smp Id: 1005180-01 Client Smp ID: SS41-0-1
Inj Date : 01-JUL-2010 12:32
Operator : OWS Inst ID: 5972hp70.i
Smp Info : 1005180-01:OWS
Misc Info : SS41-0-1
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701A70.b/SIM_8270Cv3DOD.m
Meth Date : 02-Jul-2010 13:19 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	8.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
* 1 1,4-Dichlorobenzene-d4	152	4.855	4.820	(1.000)	47272	2.00000		(a)
* 2 Naphthalene-d8	136	7.153	7.130	(1.000)	178072	2.00000		(a)
* 3 Acenaphthene-d10	164	10.769	10.763	(1.000)	109754	2.00000		(a)
* 4 Phenanthrene-d10	188	13.851	13.846	(1.000)	215994	2.00000		(a)
* 5 Chrysene-d12	240	19.475	19.476	(1.000)	175668	2.00000		(a)
* 6 Perylene-d12	264	22.318	22.314	(1.000)	152340	2.00000		(a)
$ 9 Nitrobenzene-d5	82	5.874	5.856	(0.821)	35360	0.61362	11	
$ 10 2-Fluorobiphenyl	172	9.445	9.432	(0.877)	47220	0.62427	11	
$ 12 Terphenyl-d14	244	17.341	17.343	(0.890)	48938	0.78263	14	
13 Naphthalene	128	7.184	7.161	(1.004)	8781	0.07722	1.4	(a)
15 2-Methylnaphthalene	141	Compound Not Detected.						
17 Acenaphthylene	152	Compound Not Detected.						
18 Acenaphthene	154	Compound Not Detected.						

Data File: /chem/5972hp70.i/DS100701A70.b/1005180-01A70.d
Report Date: 02-Jul-2010 13:31

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /chem/5972hp70.i/DS100701A70.b/1005180-01A70.d

Date : 01-JUL-2010 12:32

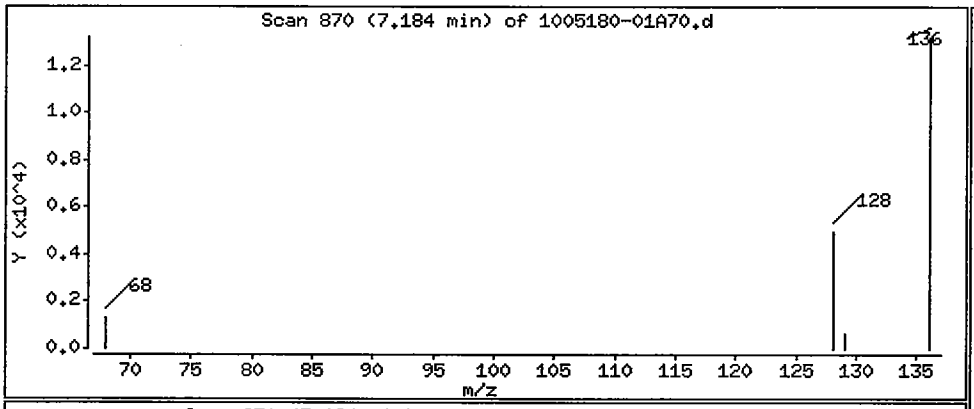
Client ID: SS41-0-1 Instrument: 5972hp70.i

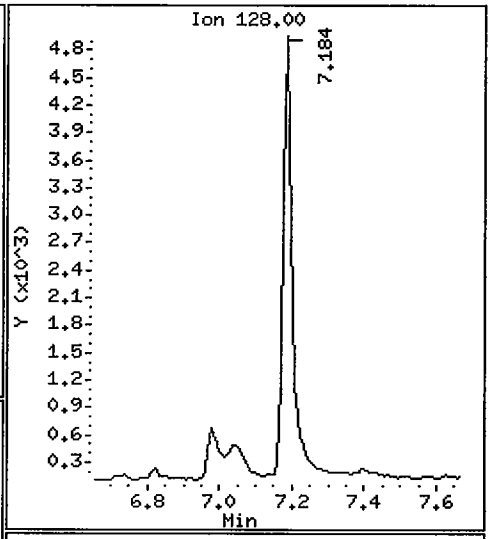
Sample Info: 1005180-01:OWS

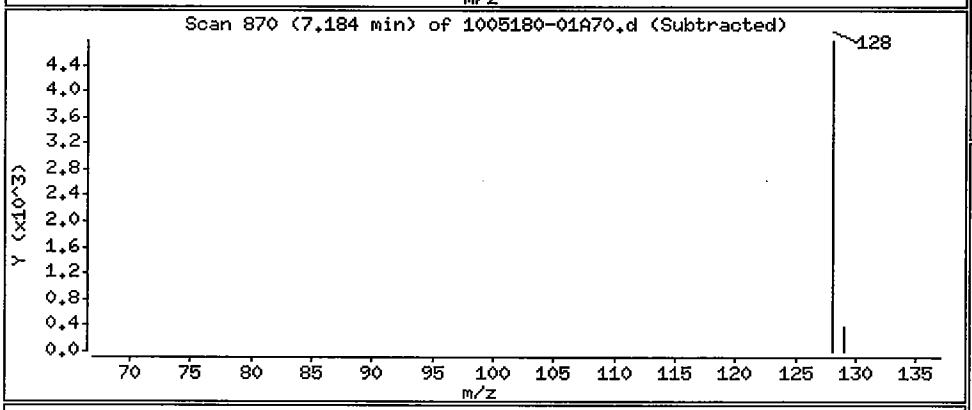
Volume Injected (uL): 2.0 Operator: OWS

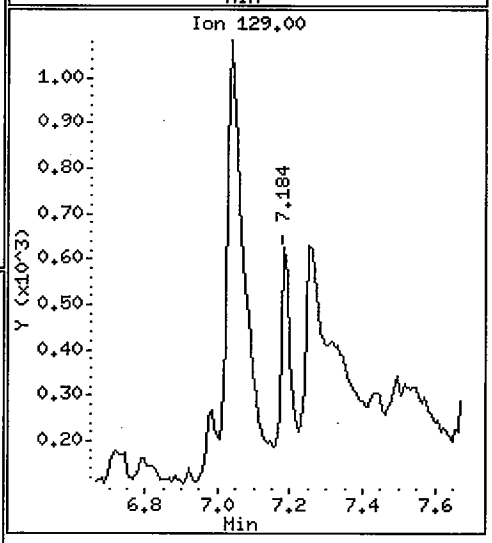
Column phase: Rtx-5MS Column diameter: 0.32

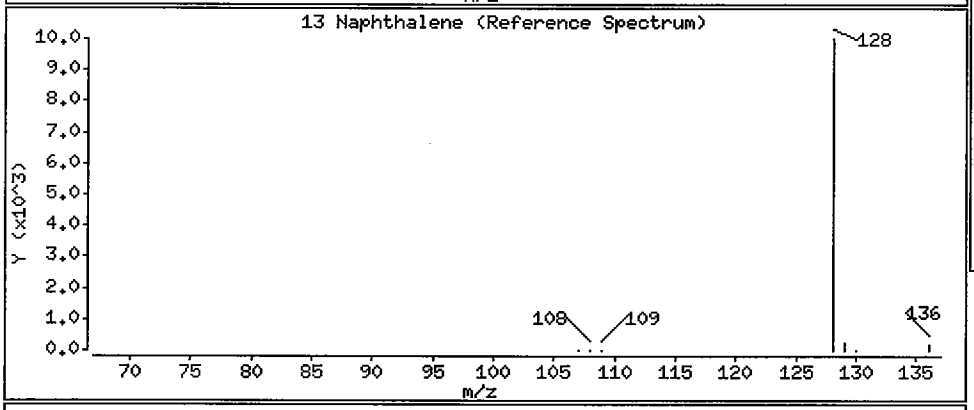
13 Naphthalene Concentration: 1.4 ug/Kg

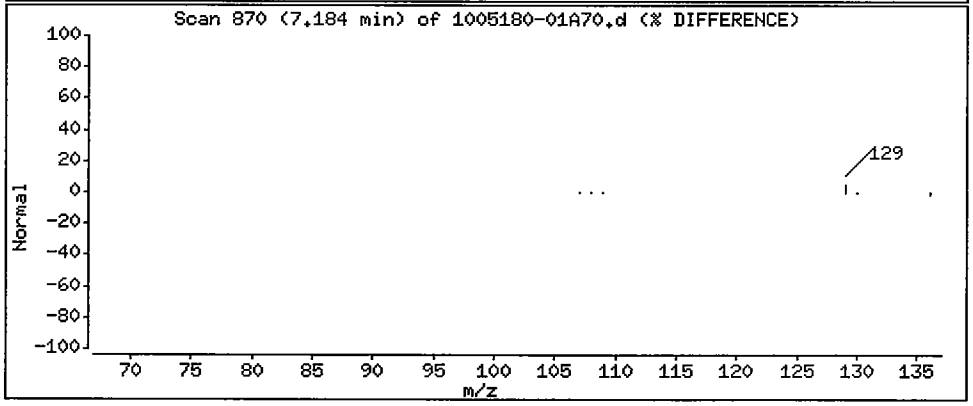












3. Standards Data

a. Initial Calibration Data (Form VI SV)

b. Continuing Calibration Data (Form VII SV)

a. Initial Calibration Data (Form VI SV)

If more than one instrument is used, forms shall be arranged in order by instrument. Multiple initial calibrations from the same instrument shall be in chronological order. Within each initial calibration, the standards are in order by level, from lowest to highest.

(1) Chromatograms and quantitation reports for the initial (five-point) calibration.
Spectra not required.

(2) EICPs displaying each manual integration.

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Instrument ID: 5972HP70 Calibration Date(s): 06/30/10 06/30/10

Column: RTX-5MS ID: 0.32 (mm) Calibration Time(s): 1311 1533

LAB FILE ID: RF0.4: 0F30008-CALRF1.2: 0F30008-CALRF3: 0F30008-CAL3A
RF5: 0F30008-CAL4ARF10: 0F30008-CAL5

COMPOUND	RF0.4	RF1.2	RF3	RF5	RF10
Naphthalene	1.263	1.313	1.270	1.277	1.262
2-Methylnaphthalene	0.513	0.617	0.638	0.604	0.638
Acenaphthylene	1.677	1.859	1.926	1.944	2.029
Acenaphthene	1.167	1.214	1.196	1.207	1.203
Fluorene	1.331	1.562	1.565	1.524	1.539
Phenanthrene	1.105	1.125	1.080	1.084	1.063
Anthracene	0.900	1.012	1.033	1.026	1.038
Fluoranthene	0.977	1.072	1.100	1.055	1.155
Pyrene	1.348	1.438	1.475	1.494	1.471
Benzo(a)anthracene	0.884	1.044	1.097	1.068	1.171
Chrysene	1.273	1.271	1.233	1.252	1.239
Benzo(b)fluoranthene	0.974	1.123	1.226	1.188	1.341
Benzo(k)fluoranthene	1.413	1.433	1.448	1.461	1.483
Benzo(a)pyrene	0.885	1.055	1.138	1.196	1.254
Indeno(1,2,3-cd)pyrene	6977	58182	166154	155905	477815
Dibenzo(a,h)anthracene	0.793	0.898	0.979	1.120	1.098
Benzo(g,h,i)perylene	0.938	1.026	1.062	1.248	1.128
Nitrobenzene-d5	0.520	0.623	0.658	0.709	0.726
2-Fluorobiphenyl	1.266	1.407	1.398	1.399	1.422
Terphenyl-d14	0.703	0.714	0.728	0.681	0.734

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Instrument ID: 5972HP70 Calibration Date(s): 06/30/10 06/30/10

Column: RTX-5MS ID: 0.32 (mm) Calibration Time(s): 1311 1533

COMPOUND	CURVE	COEFFICENTS A0	COEFFICENTS A1	%RSD OR R^2	MAX %RSD OR R^2
Naphthalene	AVRG		1.27717478	1.628	15.000
2-Methylnaphthalene	AVRG		0.60191150	8.605	15.000
Acenaphthylene	AVRG		1.88689190	7.003	15.000
Acenaphthene	AVRG		1.19733480	1.517	30.000
Fluorene	AVRG		1.50425123	6.521	15.000
Phenanthrene	AVRG		1.09160974	2.220	15.000
Anthracene	AVRG		1.00167576	5.775	15.000
Fluoranthene	AVRG		1.07189825	6.072	30.000
Pyrene	AVRG		1.44535620	3.992	15.000
Benzo(a)anthracene	AVRG		1.05306053	10.032	15.000
Chrysene	AVRG		1.25362040	1.420	15.000
Benzo(b)fluoranthene	AVRG		1.17038559	11.560	15.000
Benzo(k)fluoranthene	AVRG		1.44760404	1.838	15.000
Benzo(a)pyrene	AVRG		1.10552810	12.979	30.000
Indeno(1,2,3-cd)pyrene	LINR	0.11301902	0.95056879	0.9992968	0.9950000
Dibenzo(a,h)anthracene	AVRG		0.97765934	14.014	15.000
Benzo(g,h,i)perylene	AVRG		1.08066444	10.753	15.000
Nitrobenzene-d5	AVRG		0.64720955	12.626	15.000
2-Fluorobiphenyl	AVRG		1.37837008	4.622	15.000
Terphenyl-d14	AVRG		0.71191384	3.000	15.000

FORM VI SV

Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL1A70.d
Report Date: 01-Jul-2010 13:45

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630A70.b/0F30008-CAL1A70.d
Lab Smp Id: 0F30008-CAL1 Client Smp ID: SSTD0.4Z4
Inj Date : 30-JUN-2010 13:11
Operator : MEW Inst ID: 5972hp70.i
Smp Info : SSTD0.4Z4:MEW
Misc Info : SSTD0.4Z4
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Meth Date : 01-Jul-2010 13:45 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 13:11 Cal File: 0F30008-CAL1A70.d
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.837	4.822	(1.000)	15129	2.00000	
* 2 Naphthalene-d8	136	7.145	7.129	(1.000)	59891	2.00000	
* 3 Acenaphthene-d10	164	10.763	10.757	(1.000)	38703	2.00000	
* 4 Phenanthrene-d10	188	13.837	13.829	(1.000)	81902	2.00000	
* 5 Chrysene-d12	240	19.454	19.454	(1.000)	63332	2.00000	
* 6 Perylene-d12	264	22.283	22.287	(1.000)	51238	2.00000	
$ 9 Nitrobenzene-d5	82	5.940	5.849	(0.831)	6234	0.40000	0.40 (M)
$ 10 2-Fluorobiphenyl	172	9.455	9.428	(0.878)	9797	0.40000	0.40
$ 12 Terphenyl-d14	244	17.335	17.326	(0.891)	8900	0.40000	0.40
13 Naphthalene	128	7.176	7.160	(1.004)	15134	0.40000	0.40
15 2-Methylnaphthalene	141	8.595	8.564	(1.203)	6144	0.40000	0.40
17 Acenaphthylene	152	10.435	10.415	(0.969)	12980	0.40000	0.40
18 Acenaphthene	154	10.829	10.816	(1.006)	9034	0.40000	0.40
21 Fluorene	166	11.897	11.879	(1.105)	10306	0.40000	0.40
25 Phenanthrene	178	13.881	13.873	(1.003)	18106	0.40000	0.40

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Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL1A70.d
Report Date: 01-Jul-2010 13:45

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	13.974	13.966	(1.010)	14736	0.40000	0.40
27 Fluoranthene	202	16.404	16.399	(1.185)	16007	0.40000	0.40
28 Pyrene	202	16.858	16.854	(0.867)	17081	0.40000	0.40
29 Benzo(a)anthracene	228	19.418	19.419	(0.998)	11203	0.40000	0.40
30 Chrysene	228	19.507	19.507	(1.003)	16121	0.40000	0.40
31 Benzo(b)fluoranthene	252	21.572	21.577	(0.968)	9986	0.40000	0.40
32 Benzo(k)fluoranthene	252	21.617	21.621	(0.970)	14480	0.40000	0.40
33 Benzo(a)pyrene	252	22.164	22.168	(0.995)	9070	0.40000	0.40
34 Indeno(1,2,3-cd)pyrene	276	24.618	24.626	(1.105)	6977	0.40000	0.40 (M)
35 Dibenzo(a,h)anthracene	278	24.693	24.697	(1.108)	8130	0.40000	0.40 (M)
36 Benzo(g,h,i)perylene	276	25.275	25.288	(1.134)	9615	0.40000	0.40

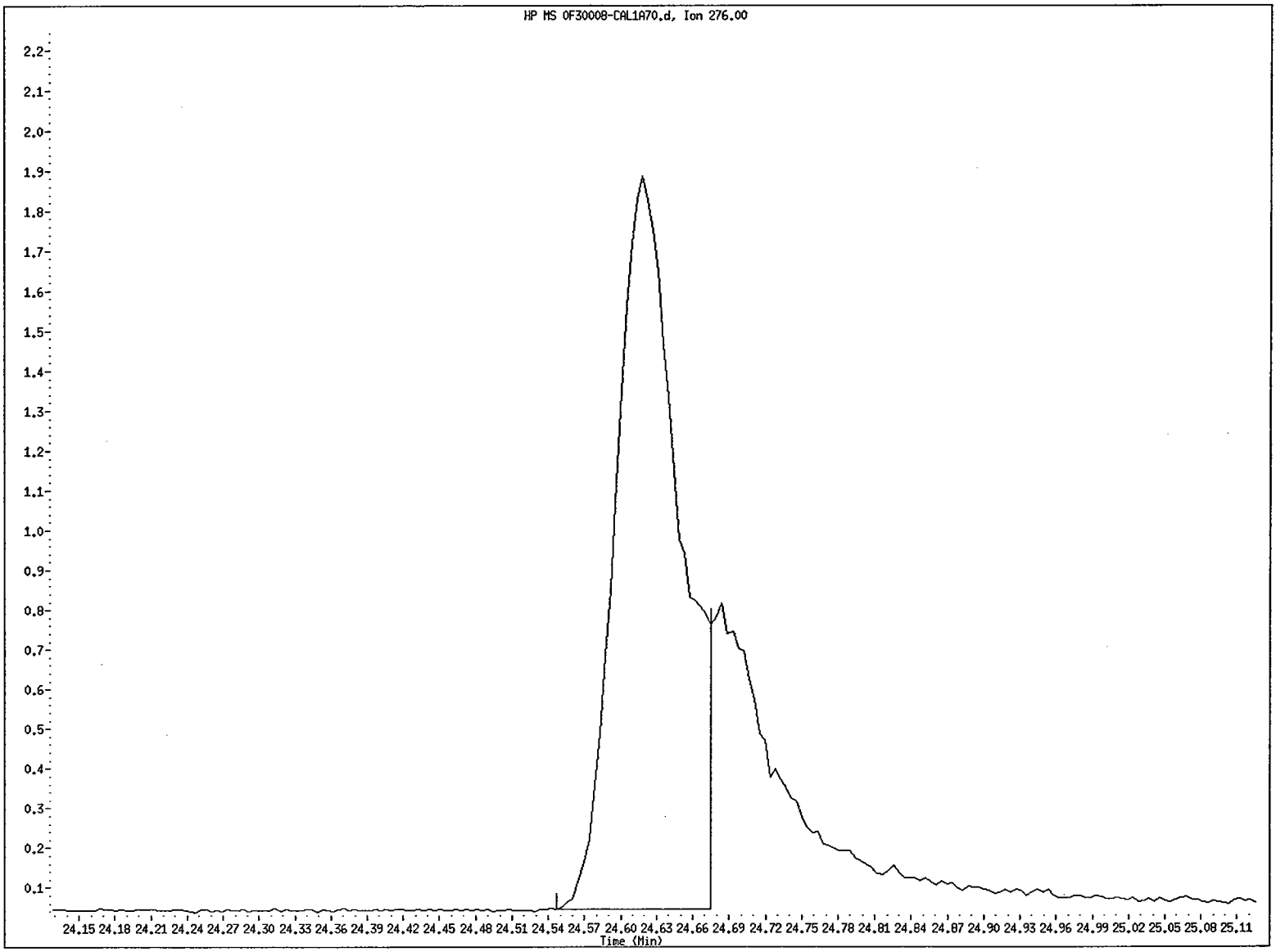
23 ppm 7/1/10

Rev 7/1/10

QC Flag Legend

M - Compound response manually integrated.

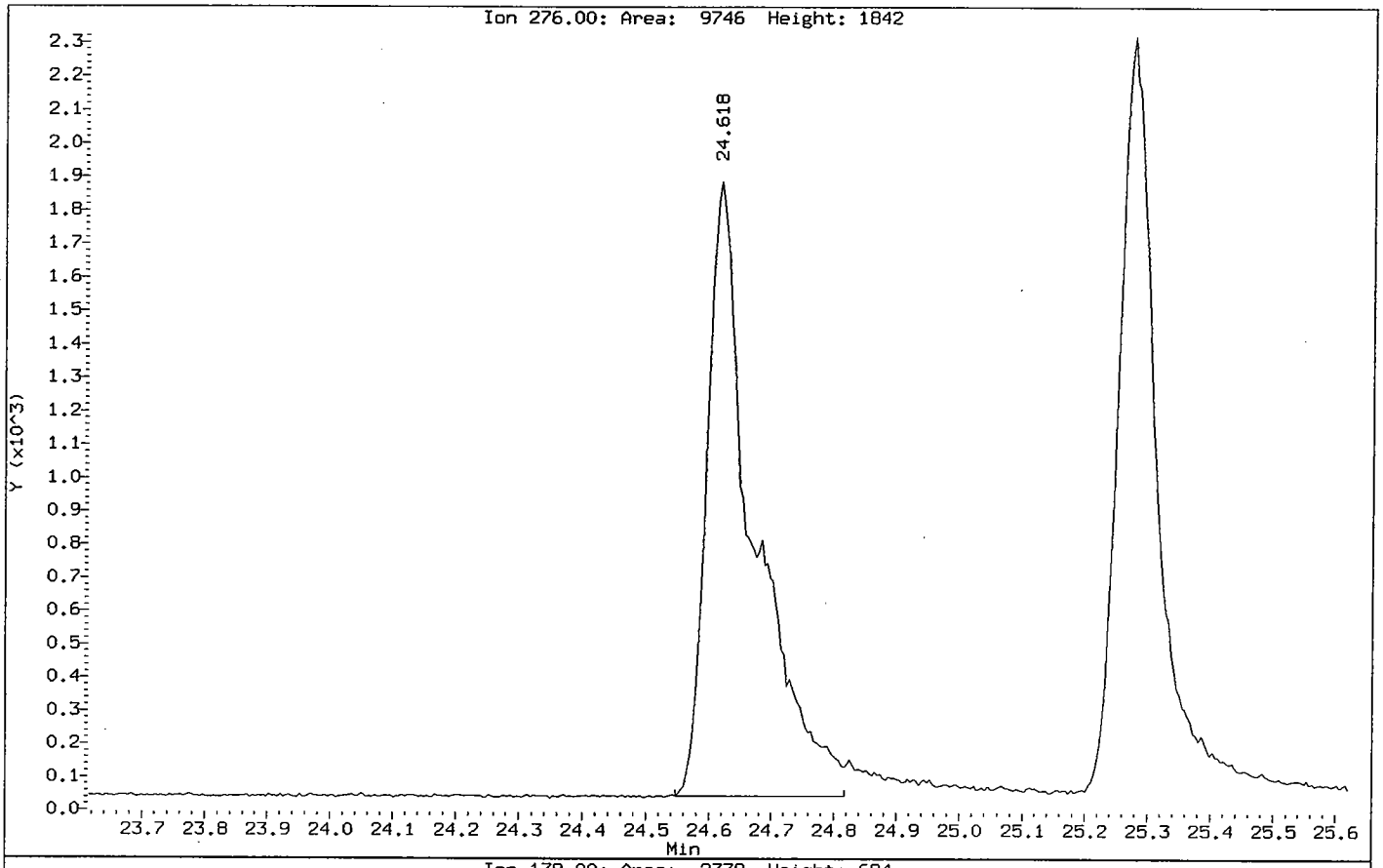
Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 6977 Manually integrated

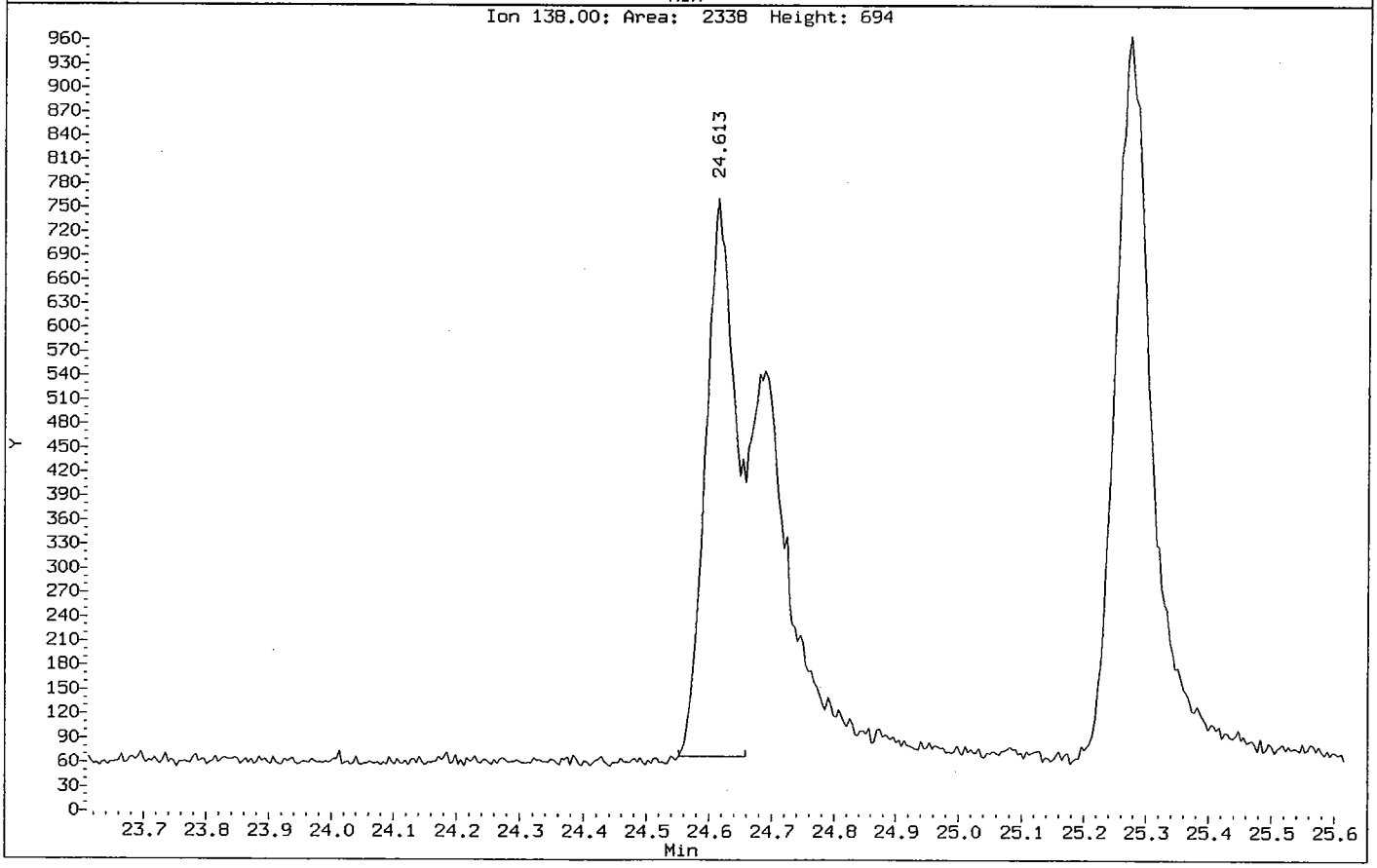


File name: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL1A70.d
Client ID: SSTD0.4Z4
Instrument ID: 5972hp70.i
Injection Date and Time: 30-JUN-2010 13:11
Retention Time: 24.62
Operator ID: MEW

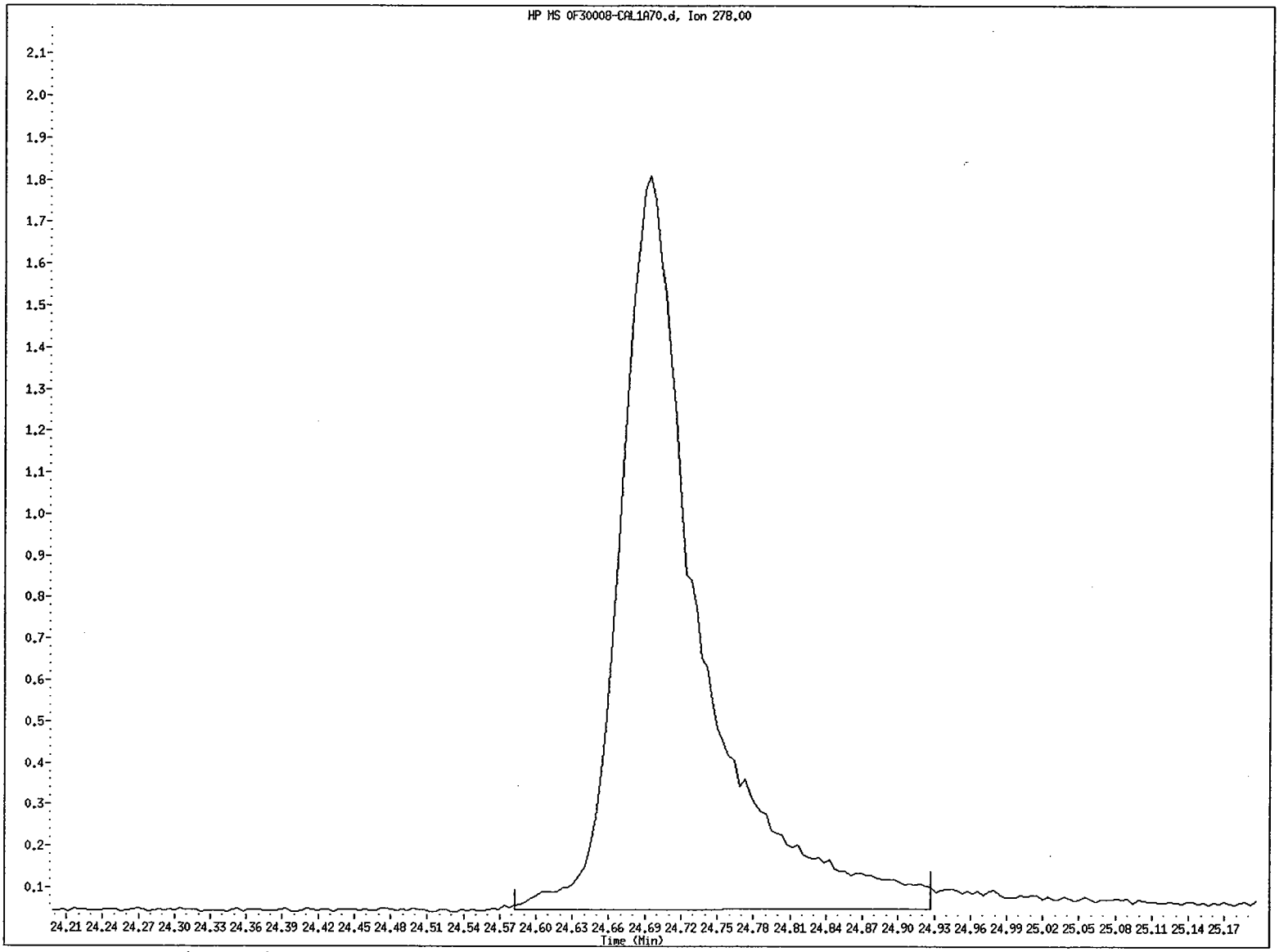
Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL1A70.d
Injection Date: 30-JUN-2010 13:11
Instrument: 5972hp70.i
Client Sample ID: SSTD0.4Z4

Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





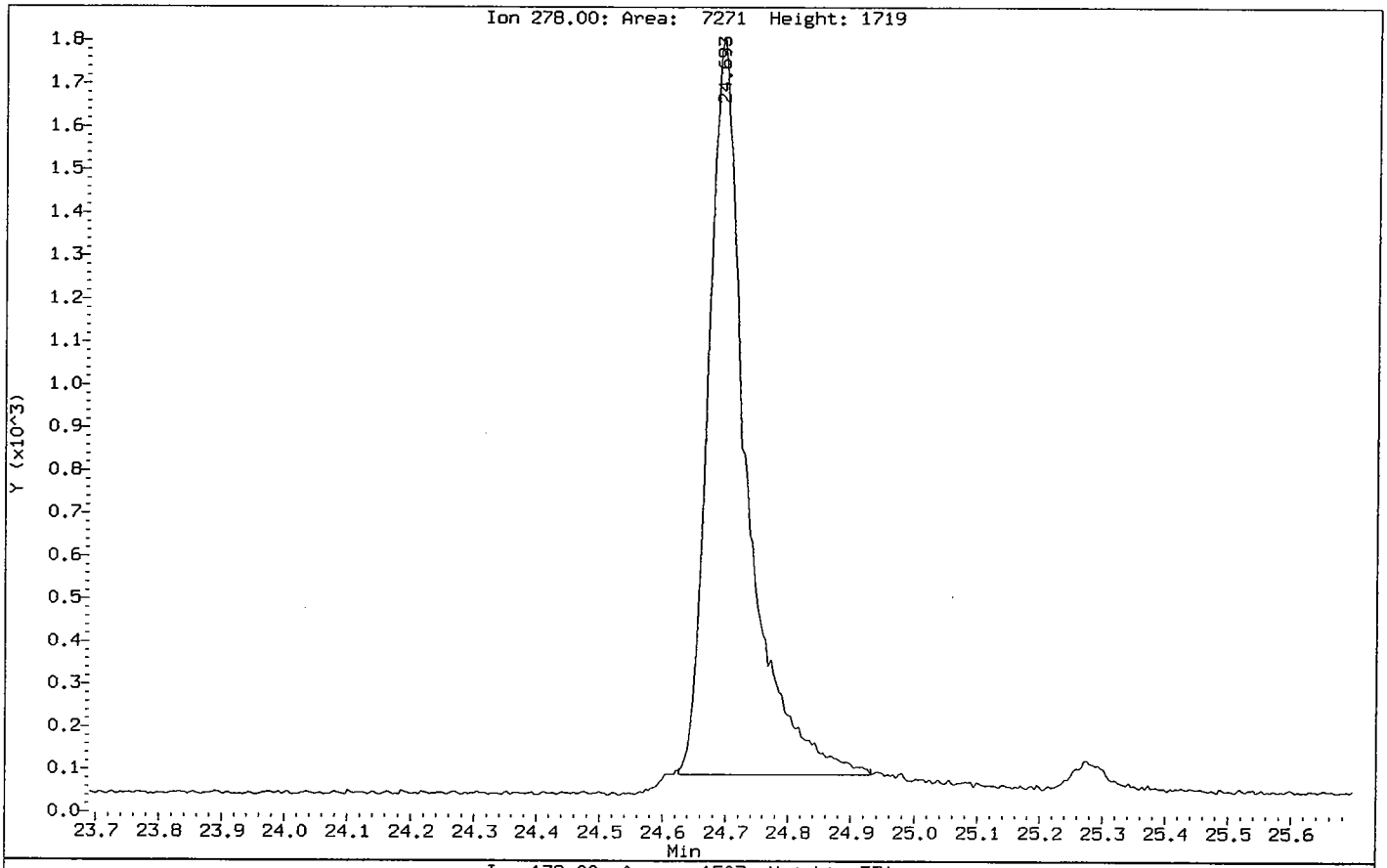
Dibenzo(a,h)anthracene CAS Number 53-70-3 Area = 8130 Manually integrated

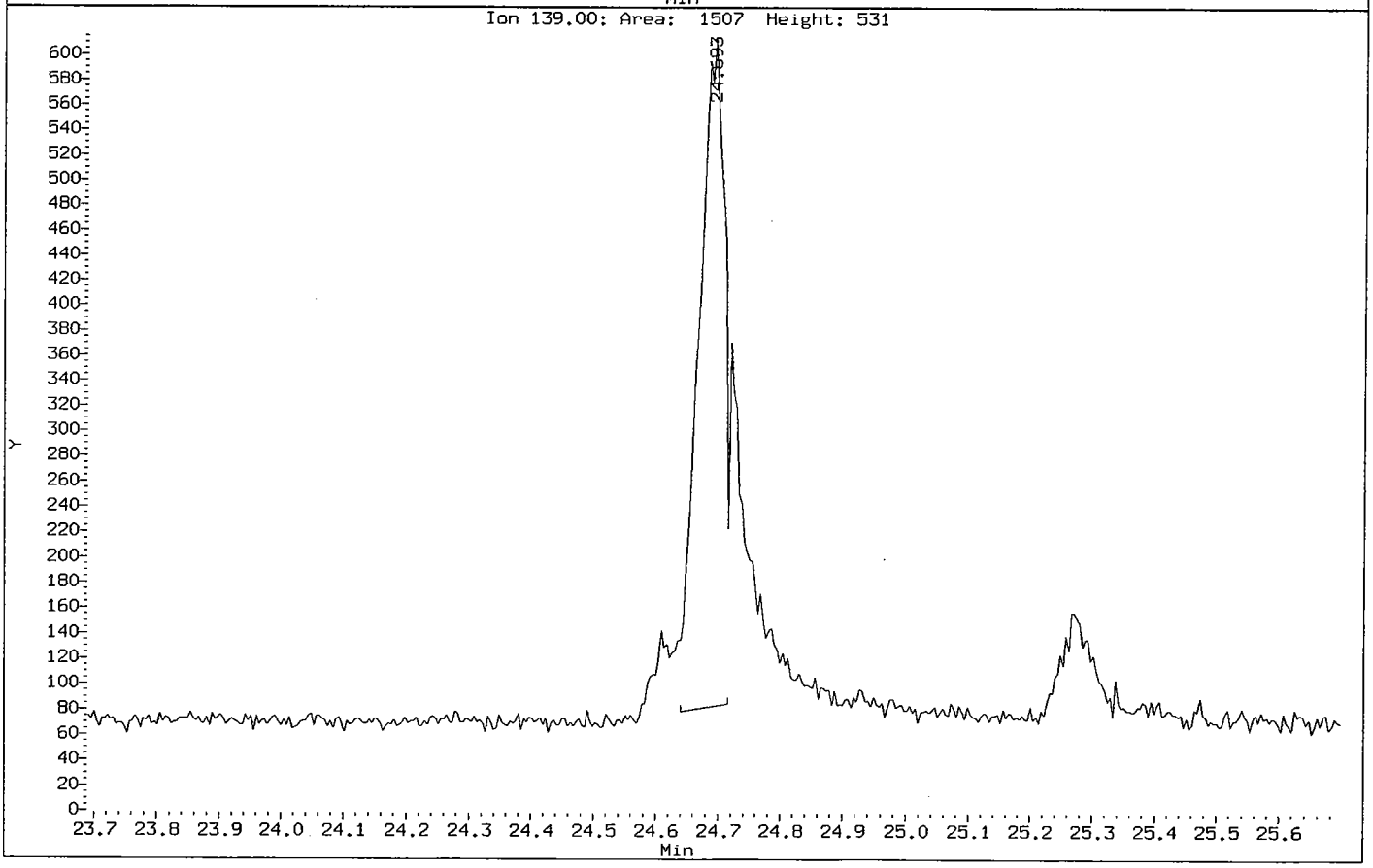


File name: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL1A70.d
Client ID: SSTD0.4Z4
Instrument ID: 5972hp70.i
Injection Date and Time: 30-JUN-2010 13:11
Retention Time: 24.69
Operator ID: MEW

Data File: /chem/5972hp70.i/DS100630A70.b/OF30008-CAL1A70.d
Injection Date: 30-JUN-2010 13:11
Instrument: 5972hp70.i
Client Sample ID: SSTD0.4Z4

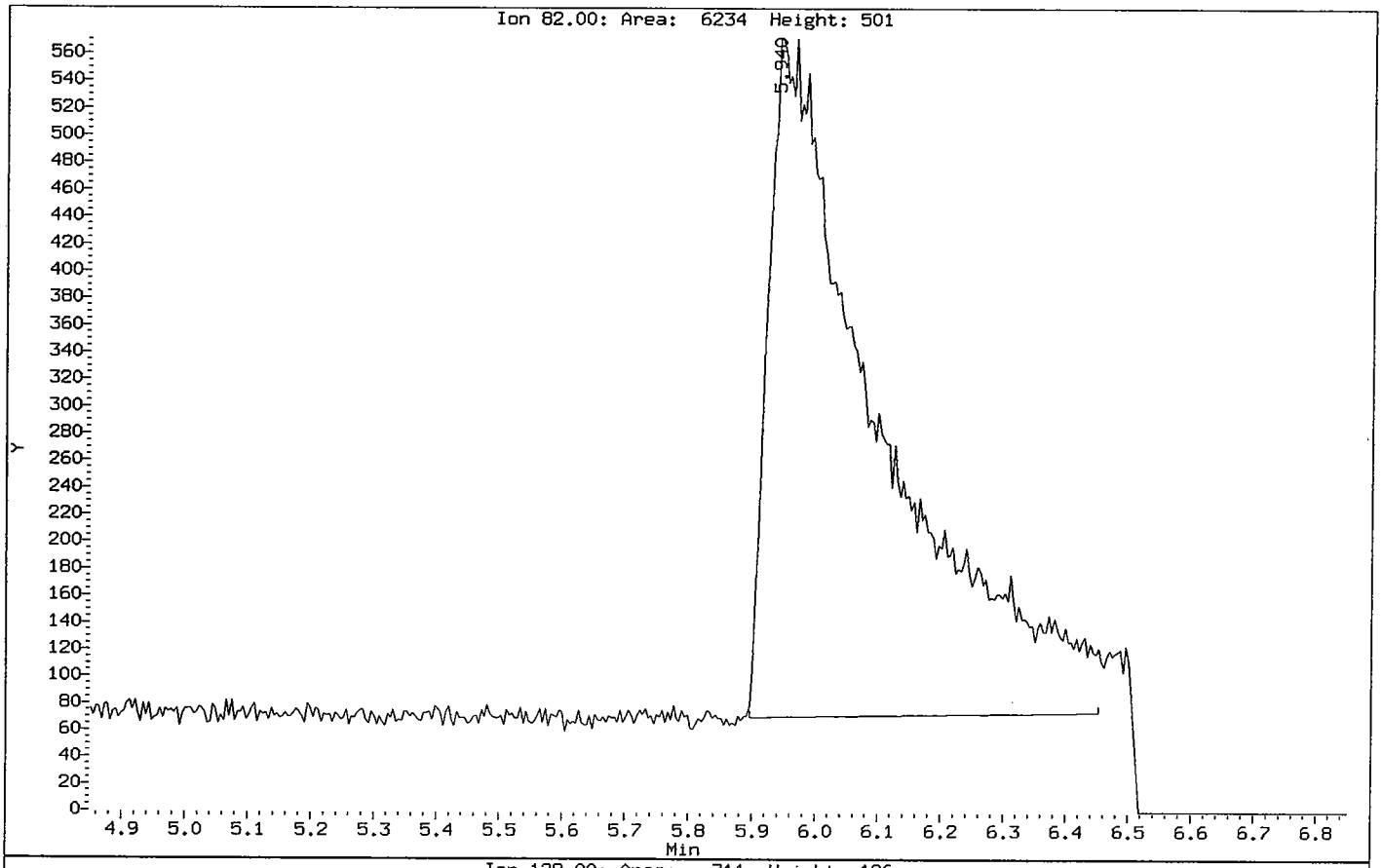
Compound: Dibenzo(a,h)anthracene
CAS Number: 53-70-3

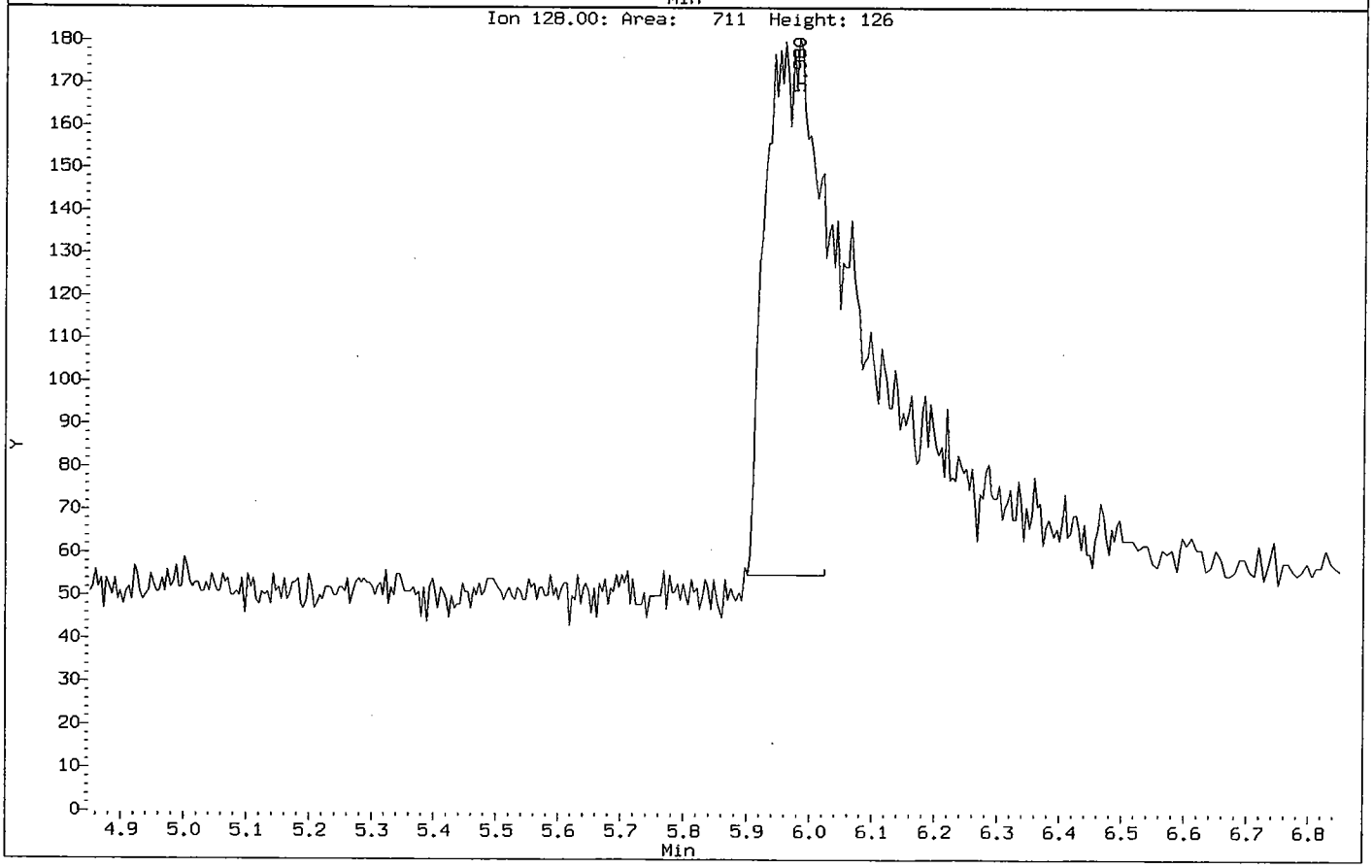




Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL1A70.d
Injection Date: 30-JUN-2010 13:11
Instrument: 5972hp70.i
Client Sample ID: SSTD0.4Z4

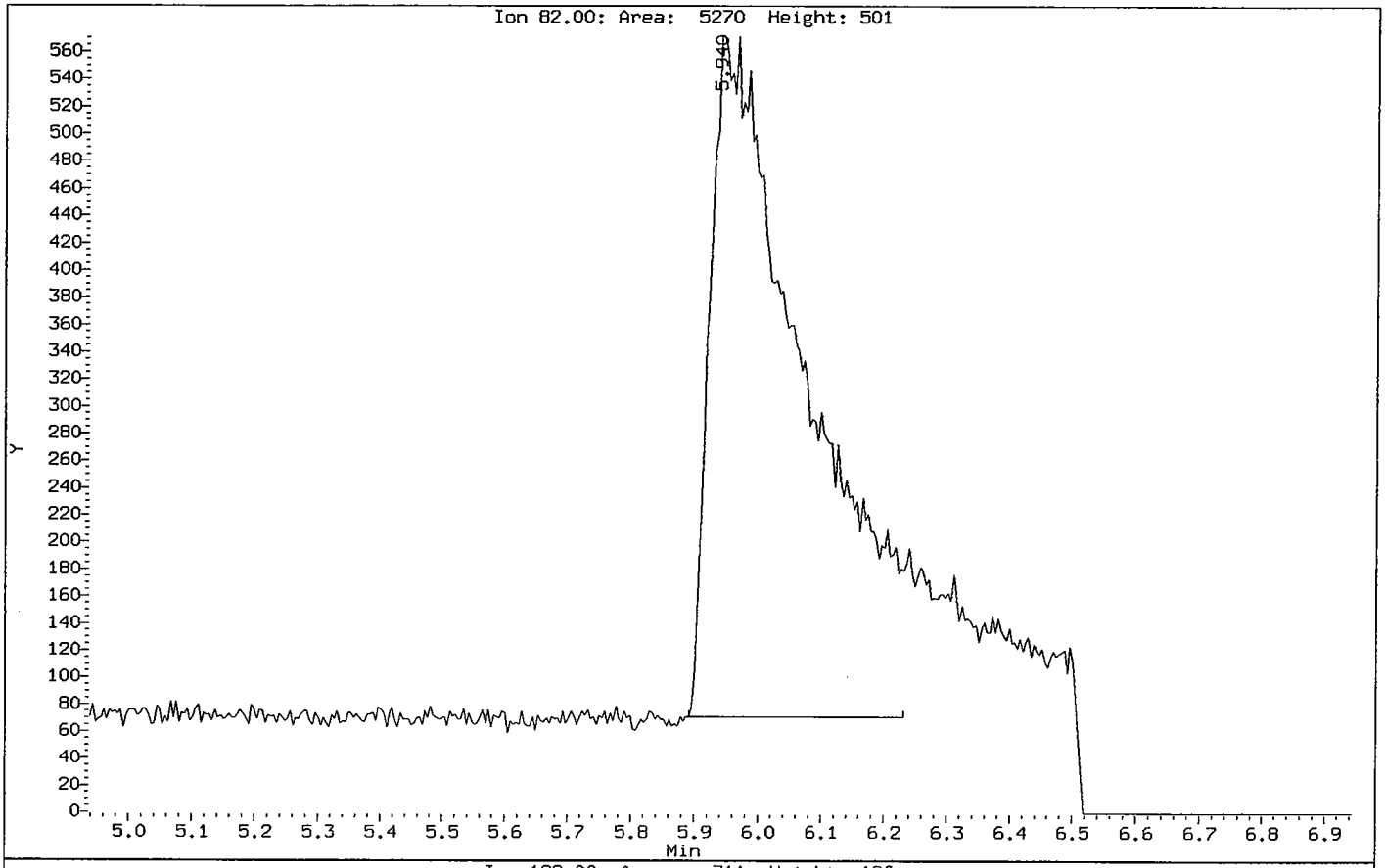
Compound: Nitrobenzene-d5
CAS Number: 4165-60-0

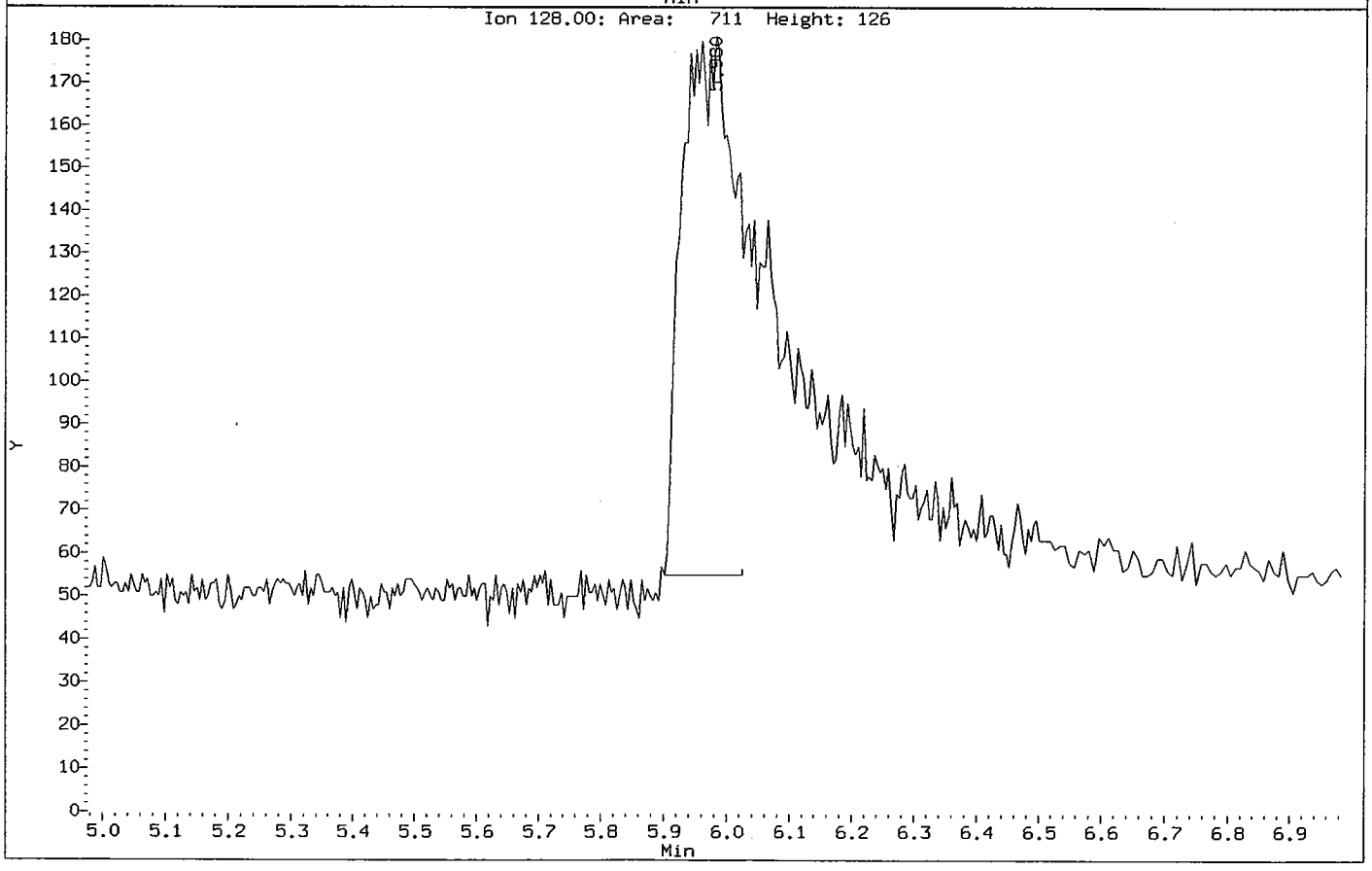




Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL1A70.d
Injection Date: 30-JUN-2010 13:11
Instrument: 5972hp70.i
Client Sample ID: SSTD0.4Z4

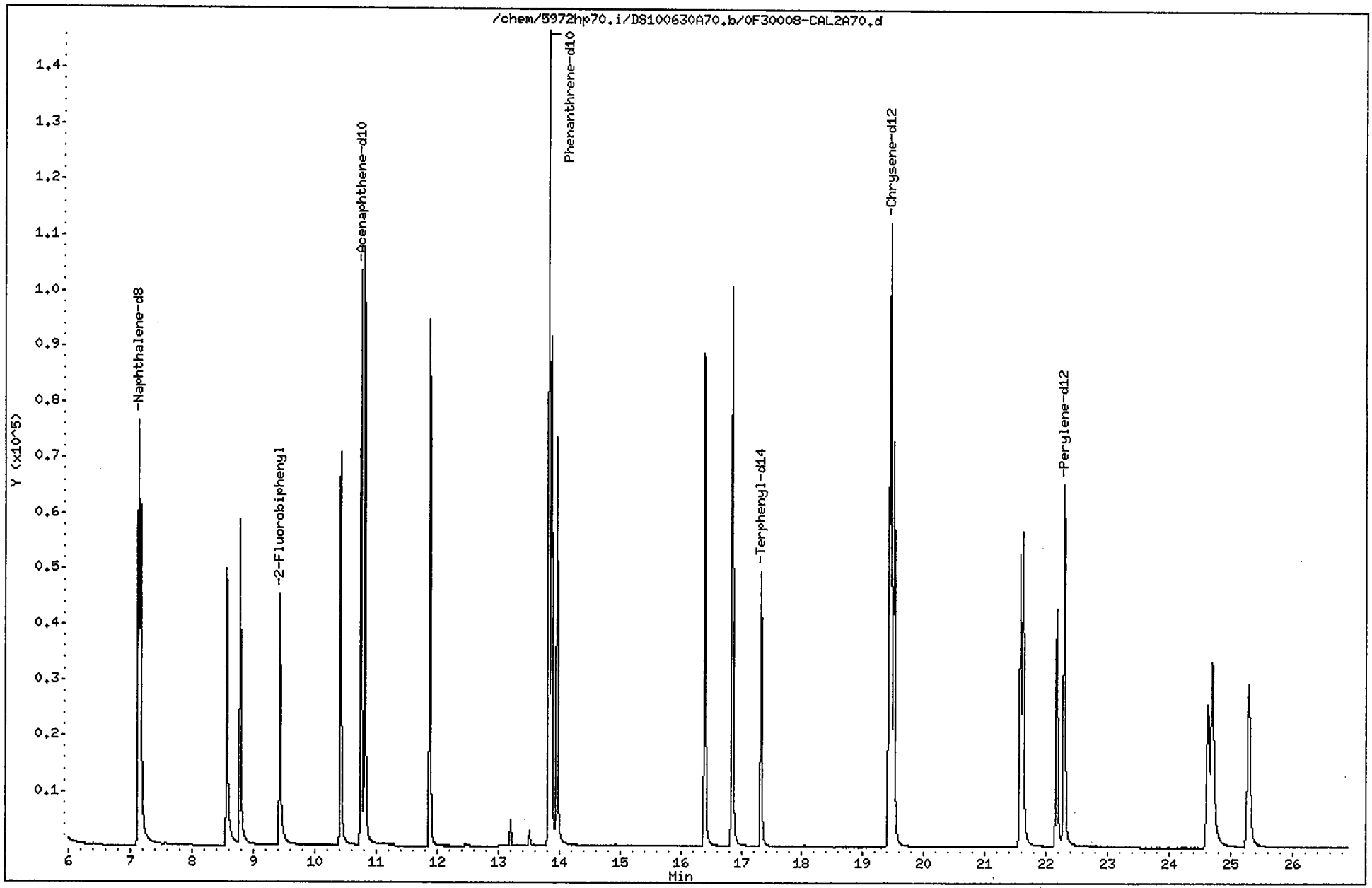
Compound: Nitrobenzene-d5
CAS Number: 4165-60-0





Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL2A70.d
Date : 30-JUN-2010 13:46
Client ID: SSTD1.2Z4
Sample Info: SSTD1.2Z4:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL2A70.d
Report Date: 01-Jul-2010 13:45

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630A70.b/0F30008-CAL2A70.d
Lab Smp Id: 0F30008-CAL2 Client Smp ID: SSTD1.2Z4
Inj Date : 30-JUN-2010 13:46
Operator : MEW Inst ID: 5972hp70.i
Smp Info : SSTD1.2Z4:MEW
Misc Info : SSTD1.2Z4
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Meth Date : 01-Jul-2010 13:45 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 13:46 Cal File: 0F30008-CAL2A70.d
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	4.823	4.822	(1.000)	32249	2.00000	
*	2 Naphthalene-d8	136	7.129	7.129	(1.000)	124023	2.00000	
*	3 Acenaphthene-d10	164	10.756	10.757	(1.000)	82405	2.00000	
*	4 Phenanthrene-d10	188	13.829	13.829	(1.000)	179451	2.00000	
*	5 Chrysene-d12	240	19.453	19.454	(1.000)	146989	2.00000	
*	6 Perylene-d12	264	22.287	22.287	(1.000)	119399	2.00000	
$	9 Nitrobenzene-d5	82	5.869	5.849	(0.823)	46378	1.20000	1.3
$	10 2-Fluorobiphenyl	172	9.432	9.428	(0.877)	69552	1.20000	1.3
$	12 Terphenyl-d14	244	17.328	17.326	(0.891)	62951	1.20000	1.2
	13 Naphthalene	128	7.168	7.160	(1.005)	97685	1.20000	1.2
	15 2-Methylnaphthalene	141	8.568	8.564	(1.202)	45950	1.20000	1.3
	17 Acenaphthylene	152	10.421	10.415	(0.969)	91924	1.20000	1.3
	18 Acenaphthene	154	10.815	10.816	(1.005)	60030	1.20000	1.2
	21 Fluorene	166	11.881	11.879	(1.105)	77225	1.20000	1.3
	25 Phenanthrene	178	13.873	13.873	(1.003)	121170	1.20000	1.2

Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL2A70.d
Report Date: 01-Jul-2010 13:45

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	13.965	13.966	(1.010)	109020	1.20000	1.3
27 Fluoranthene	202	16.401	16.399	(1.186)	115404	1.20000	1.3
28 Pyrene	202	16.851	16.854	(0.866)	126866	1.20000	1.2
29 Benzo(a)anthracene	228	19.423	19.419	(0.998)	92113	1.20000	1.3
30 Chrysene	228	19.506	19.507	(1.003)	112065	1.20000	1.2
31 Benzo(b)fluoranthene	252	21.572	21.577	(0.968)	80428	1.20000	1.3
32 Benzo(k)fluoranthene	252	21.617	21.621	(0.970)	102647	1.20000	1.2
33 Benzo(a)pyrene	252	22.168	22.168	(0.995)	75593	1.20000	1.3
34 Indeno(1,2,3-cd)pyrene	276	24.623	24.626	(1.105)	58182	1.20000	1.2(M)
35 Dibenzo(a,h)anthracene	278	24.693	24.697	(1.108)	64337	1.20000	1.3
36 Benzo(g,h,i)perylene	276	25.280	25.288	(1.134)	73502	1.20000	1.3

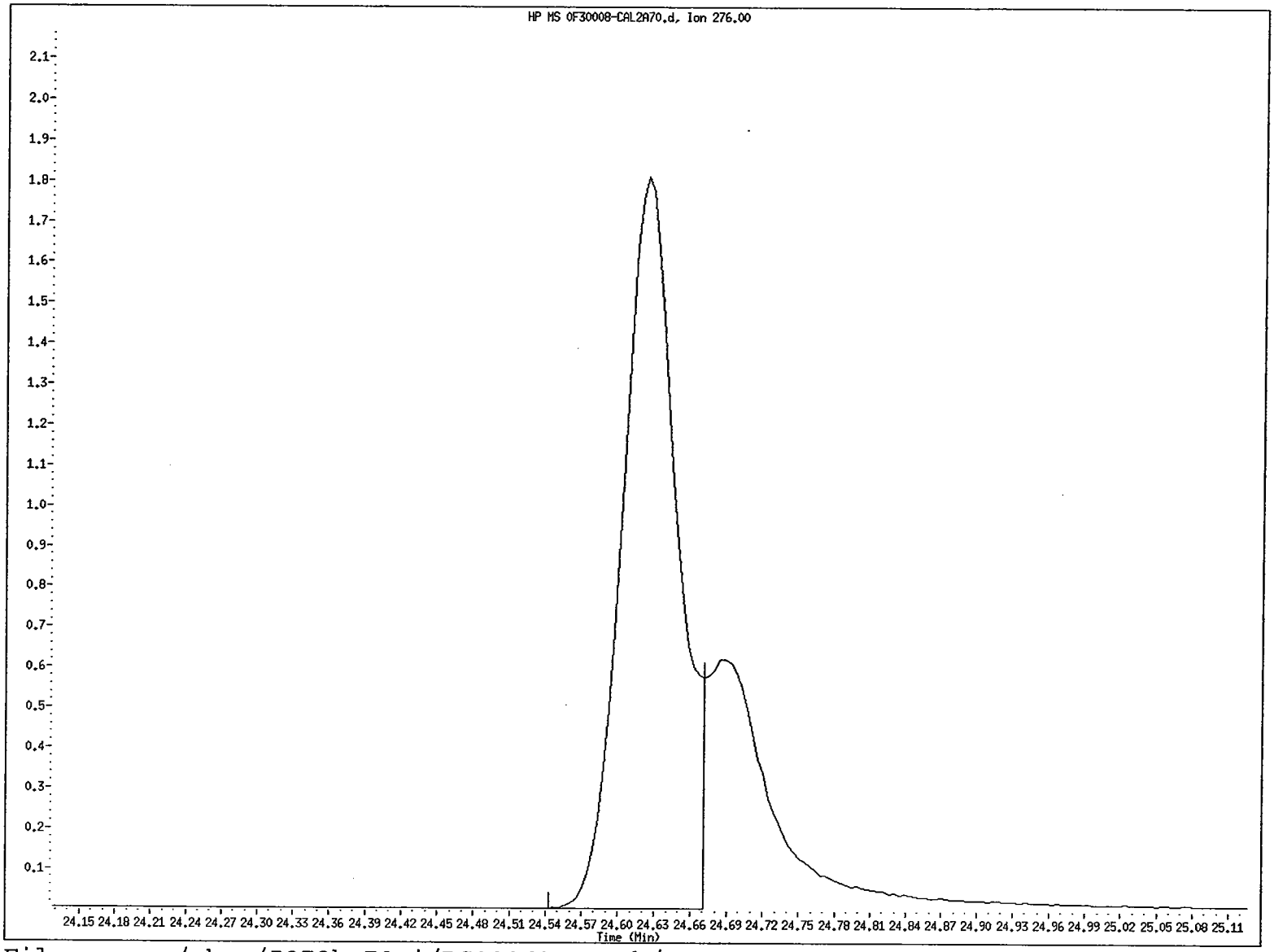
2.0 7/1/10

PW 7/1/10

QC Flag Legend

M - Compound response manually integrated.

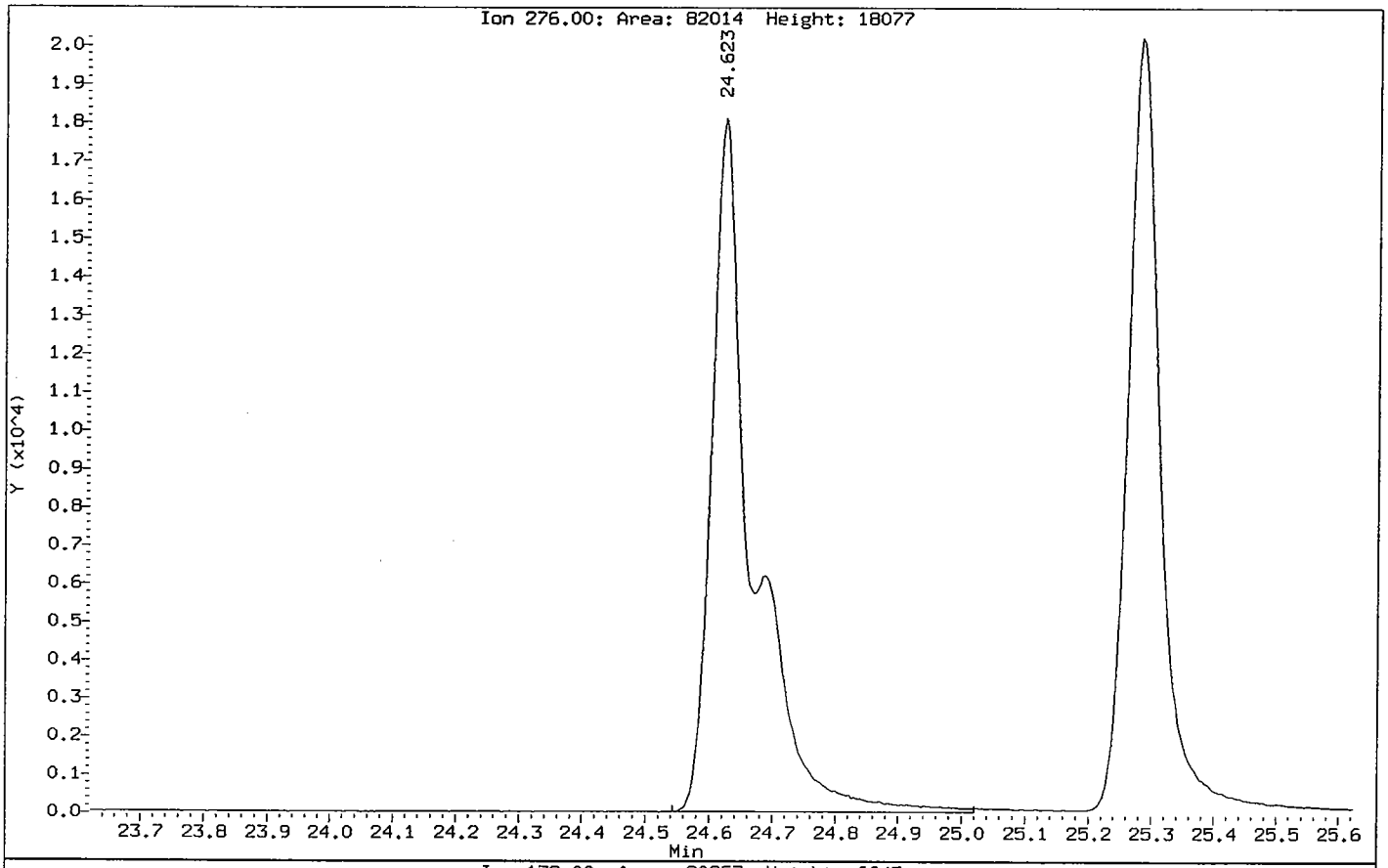
Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 58182 Manually integrated

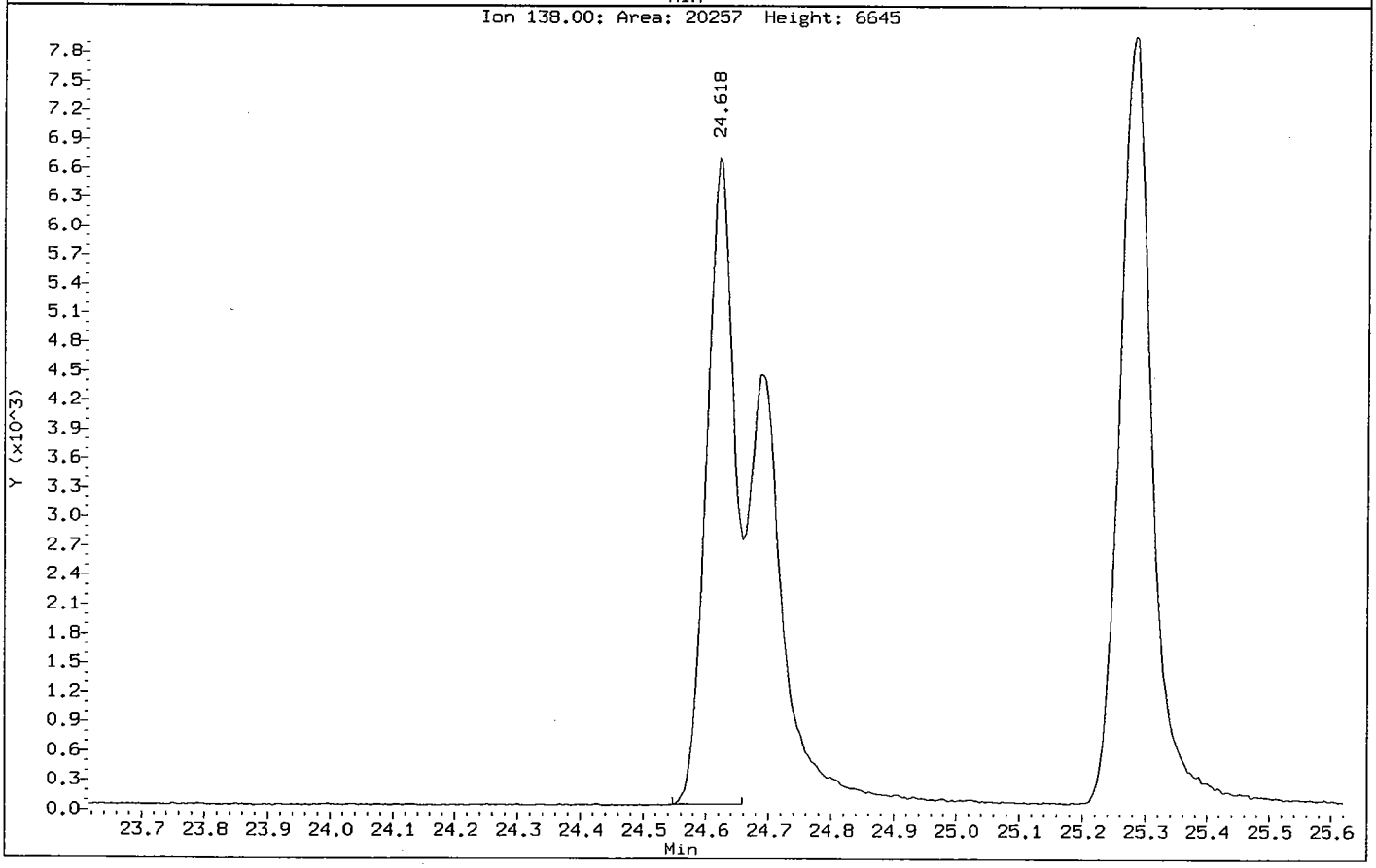


File name: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL2A70.d
Client ID: SSTD1.2Z4
Instrument ID: 5972hp70.i
Injection Date and Time: 30-JUN-2010 13:46
Retention Time: 24.62
Operator ID: MEW

Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL2A70.d
Injection Date: 30-JUN-2010 13:46
Instrument: 5972hp70.i
Client Sample ID: SSTD1.2Z4

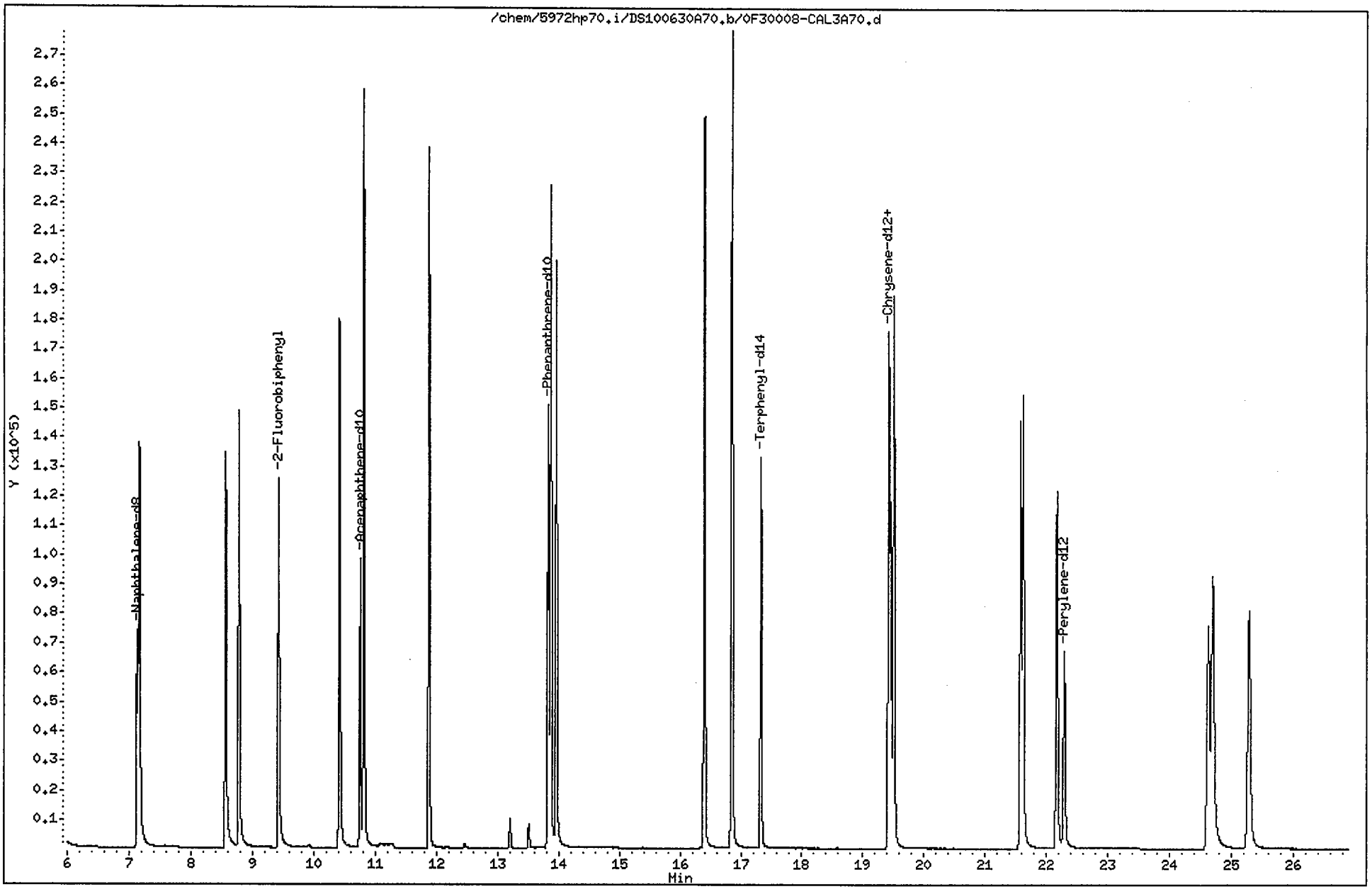
Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL3A70.d
Date : 30-JUN-2010 14:22
Client ID: SSTD003Z4
Sample Info: SSTD003Z4:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL3A70.d
Report Date: 01-Jul-2010 13:45

CompuChem

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Data file : /chem/5972hp70.i/DS100630A70.b/0F30008-CAL3A70.d
Lab Smp Id: 0F30008-CAL3 Client Smp ID: SSTD003Z4
Inj Date : 30-JUN-2010 14:22
Operator : MEW Inst ID: 5972hp70.i
Smp Info : SSTD003Z4:MEW
Misc Info : SSTD003Z4
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Meth Date : 01-Jul-2010 13:45 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 14:22 Cal File: 0F30008-CAL3A70.d
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.822	4.822	(1.000)	30058	2.00000	
* 2 Naphthalene-d8	136	7.130	7.129	(1.000)	116045	2.00000	
* 3 Acenaphthene-d10	164	10.756	10.757	(1.000)	79465	2.00000	
* 4 Phenanthrene-d10	188	13.829	13.829	(1.000)	183132	2.00000	
* 5 Chrysene-d12	240	19.454	19.454	(1.000)	149459	2.00000	
* 6 Perylene-d12	264	22.288	22.287	(1.000)	119648	2.00000	
$ 9 Nitrobenzene-d5	82	5.859	5.849	(0.822)	114506	3.00000	3.3
$ 10 2-Fluorobiphenyl	172	9.428	9.428	(0.876)	166678	3.00000	3.1
$ 12 Terphenyl-d14	244	17.326	17.326	(0.891)	163169	3.00000	3.1
13 Naphthalene	128	7.161	7.160	(1.004)	221102	3.00000	3.0
15 2-Methylnaphthalene	141	8.564	8.564	(1.201)	110983	3.00000	3.2
17 Acenaphthylene	152	10.422	10.415	(0.969)	229532	3.00000	3.2
18 Acenaphthene	154	10.815	10.816	(1.005)	142513	3.00000	3.0
21 Fluorene	166	11.879	11.879	(1.104)	186558	3.00000	3.2
25 Phenanthrene	178	13.873	13.873	(1.003)	296746	3.00000	2.9

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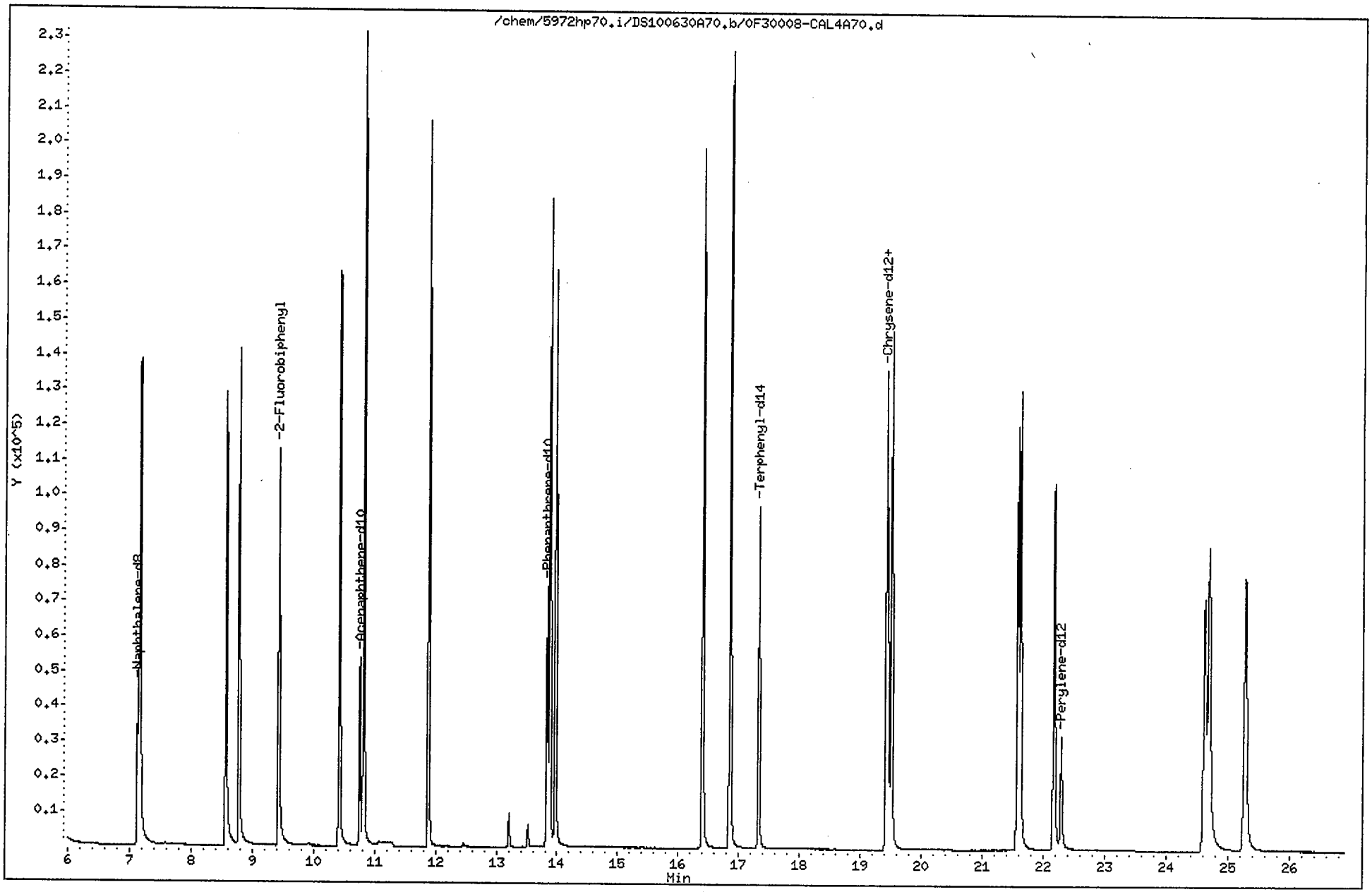
Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL3A70.d
Report Date: 01-Jul-2010 13:45

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	13.965	13.966	(1.010)	283674	3.00000	3.2
27 Fluoranthene	202	16.400	16.399	(1.186)	302283	3.00000	3.1
28 Pyrene	202	16.854	16.854	(0.866)	330629	3.00000	3.1
29 Benzo(a)anthracene	228	19.418	19.419	(0.998)	245999	3.00000	3.3
30 Chrysene	228	19.502	19.507	(1.002)	276527	3.00000	2.9
31 Benzo(b)fluoranthene	252	21.573	21.577	(0.968)	219995	3.00000	3.3
32 Benzo(k)fluoranthene	252	21.617	21.621	(0.970)	259914	3.00000	3.0
33 Benzo(a)pyrene	252	22.169	22.168	(0.995)	204181	3.00000	3.3
34 Indeno(1,2,3-cd)pyrene	276	24.619	24.626	(1.105)	166154	3.00000	3.0
35 Dibenzo(a,h)anthracene	278	24.694	24.697	(1.108)	175642	3.00000	3.3
36 Benzo(g,h,i)perylene	276	25.281	25.288	(1.134)	190684	3.00000	3.2

Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL4A70.d
Date : 30-JUN-2010 14:57
Client ID: SSTD005Z4
Sample Info: SSTD005Z4:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL4A70.d
Report Date: 01-Jul-2010 13:45

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630A70.b/0F30008-CAL4A70.d
Lab Smp Id: 0F30008-CAL4 Client Smp ID: SSTD005Z4
Inj Date : 30-JUN-2010 14:57
Operator : MEW Inst ID: 5972hp70.i
Smp Info : SSTD005Z4:MEW
Misc Info : SSTD005Z4
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Meth Date : 01-Jul-2010 13:45 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 14:57 Cal File: 0F30008-CAL4A70.d
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.828	4.822	(1.000)	19360	2.00000	
* 2 Naphthalene-d8	136	7.130	7.129	(1.000)	69661	2.00000	
* 3 Acenaphthene-d10	164	10.756	10.757	(1.000)	42738	2.00000	
* 4 Phenanthrene-d10	188	13.828	13.829	(1.000)	90374	2.00000	
* 5 Chrysene-d12	240	19.454	19.454	(1.000)	70893	2.00000	
* 6 Perylene-d12	264	22.287	22.287	(1.000)	60609	2.00000	
$ 9 Nitrobenzene-d5	82	5.861	5.849	(0.822)	123473	5.00000	5.6
$ 10 2-Fluorobiphenyl	172	9.427	9.428	(0.876)	149502	5.00000	5.1
$ 12 Terphenyl-d14	244	17.328	17.326	(0.891)	120655	5.00000	4.8
13 Naphthalene	128	7.169	7.160	(1.005)	222463	5.00000	5.0
15 2-Methylnaphthalene	141	8.563	8.564	(1.201)	105127	5.00000	5.1
17 Acenaphthylene	152	10.415	10.415	(0.968)	207654	5.00000	5.2
18 Acenaphthene	154	10.815	10.816	(1.005)	128922	5.00000	5.0
21 Fluorene	166	11.878	11.879	(1.104)	162824	5.00000	5.1
25 Phenanthrene	178	13.872	13.873	(1.003)	245013	5.00000	4.9

Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL4A70.d
Report Date: 01-Jul-2010 13:45

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	13.965	13.966	(1.010)	231724	5.00000	5.2
27 Fluoranthene	202	16.397	16.399	(1.186)	238401	5.00000	5.0
28 Pyrene	202	16.851	16.854	(0.866)	264805	5.00000	5.2
29 Benzo(a)anthracene	228	19.418	19.419	(0.998)	189261	5.00000	5.2
30 Chrysene	228	19.506	19.507	(1.003)	221865	5.00000	5.0
31 Benzo(b)fluoranthene	252	21.573	21.577	(0.968)	179972	5.00000	5.3
32 Benzo(k)fluoranthene	252	21.617	21.621	(0.970)	221420	5.00000	5.1
33 Benzo(a)pyrene	252	22.168	22.168	(0.995)	181152	5.00000	5.6
34 Indeno(1,2,3-cd)pyrene	276	24.623	24.626	(1.105)	155905	5.00000	5.1(M)
35 Dibenzo(a,h)anthracene	278	24.693	24.697	(1.108)	169666	5.00000	5.9
36 Benzo(g,h,i)perylene	276	25.280	25.288	(1.134)	189179	5.00000	5.8

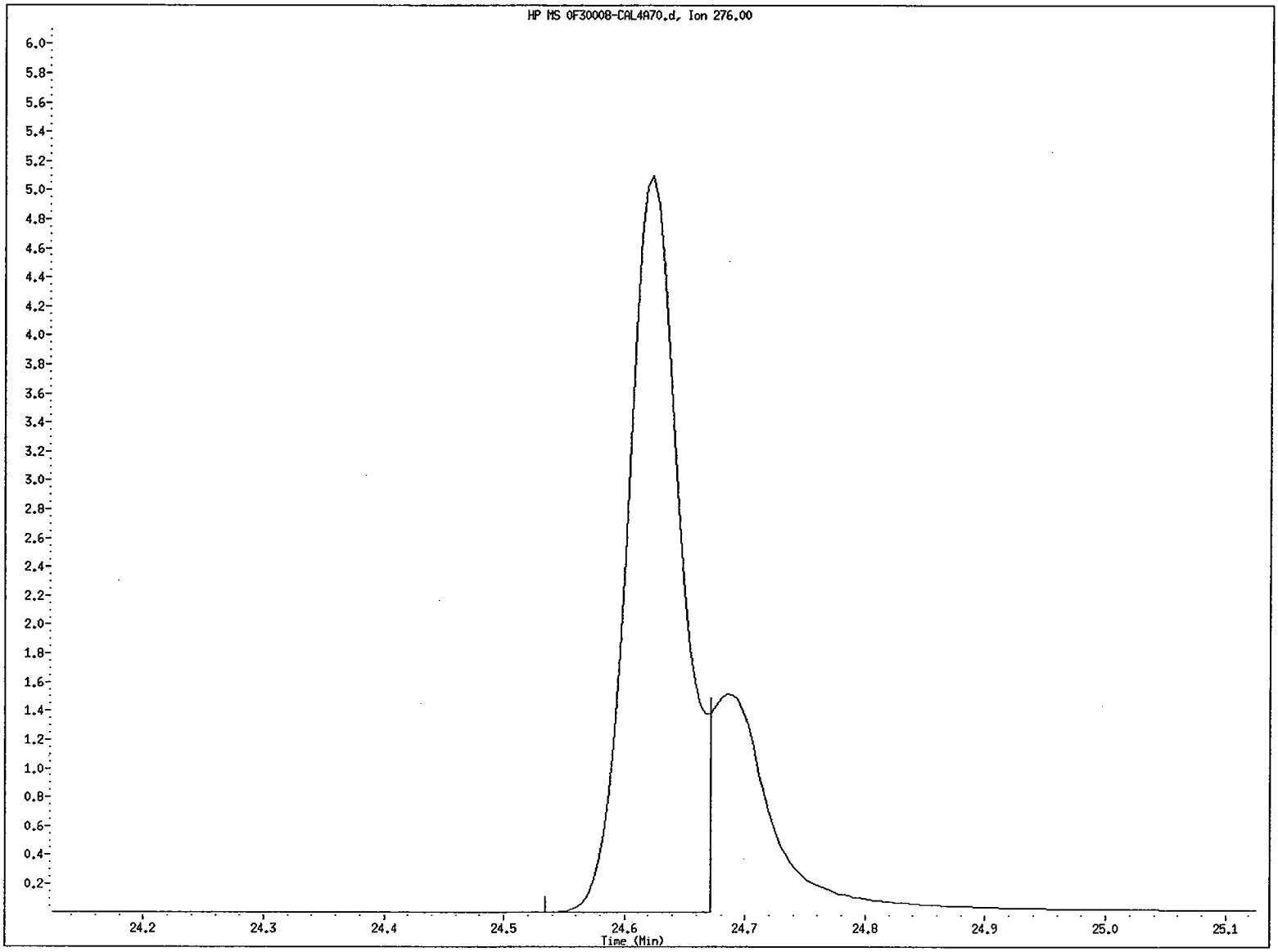
2 07/1/10

pw 7/1/10

QC Flag Legend

M - Compound response manually integrated.

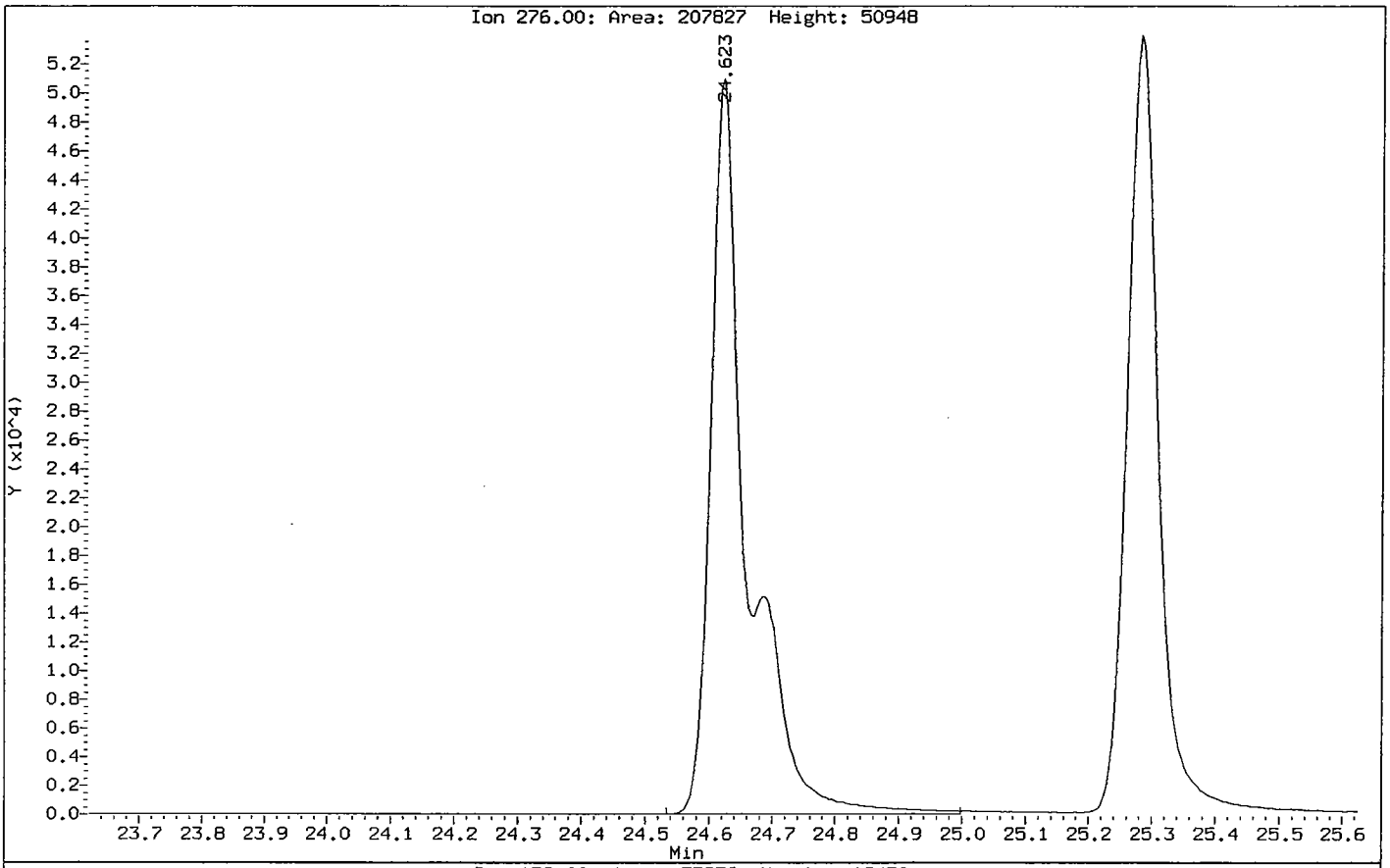
Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 155905 Manually integrated

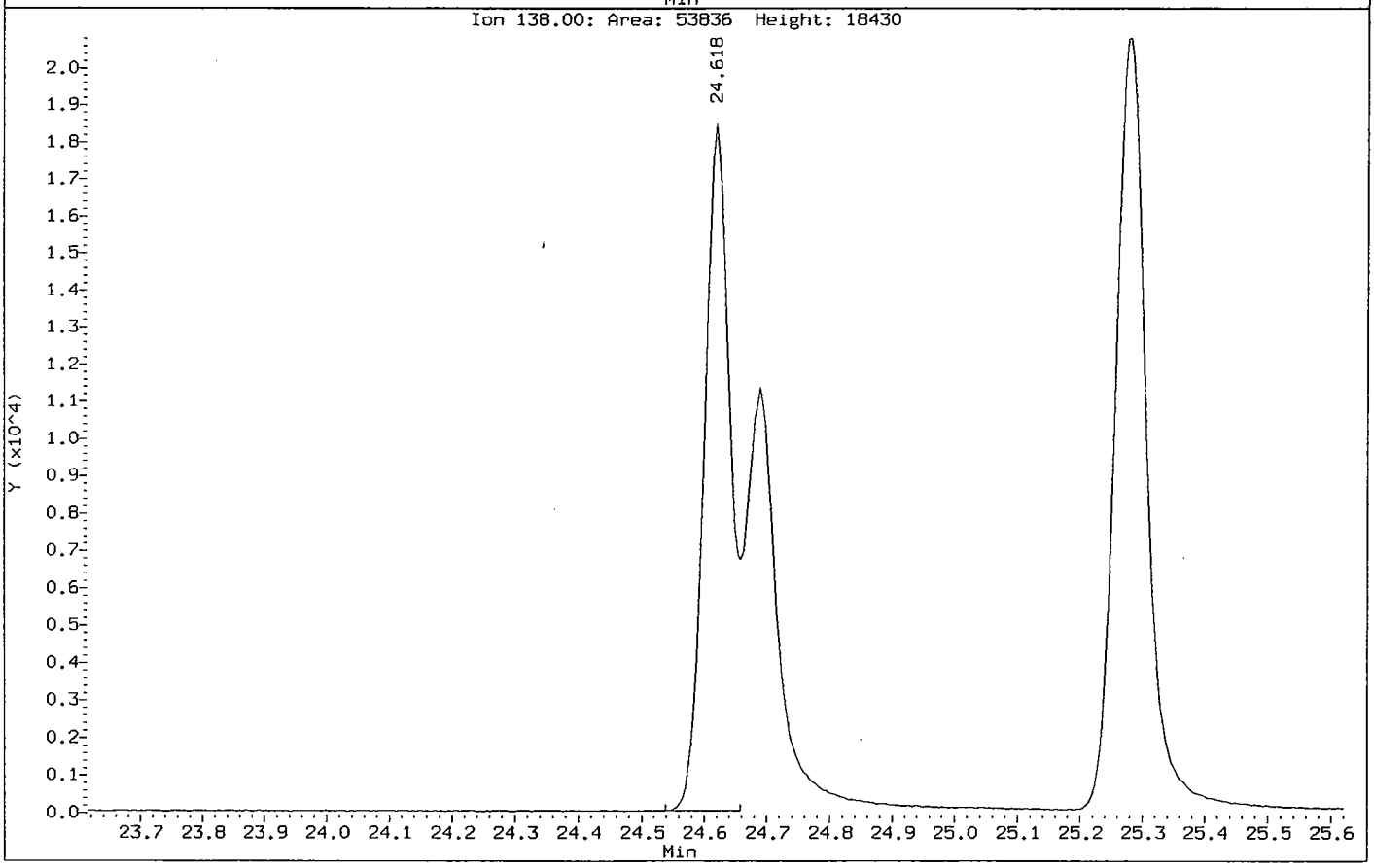


File name: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL4A70.d
Client ID: SSTD005Z4
Instrument ID: 5972hp70.i
Injection Date and Time: 30-JUN-2010 14:57
Retention Time: 24.62
Operator ID: MEW

Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL4A70.d
Injection Date: 30-JUN-2010 14:57
Instrument: 5972hp70.i
Client Sample ID: SSTD005Z4

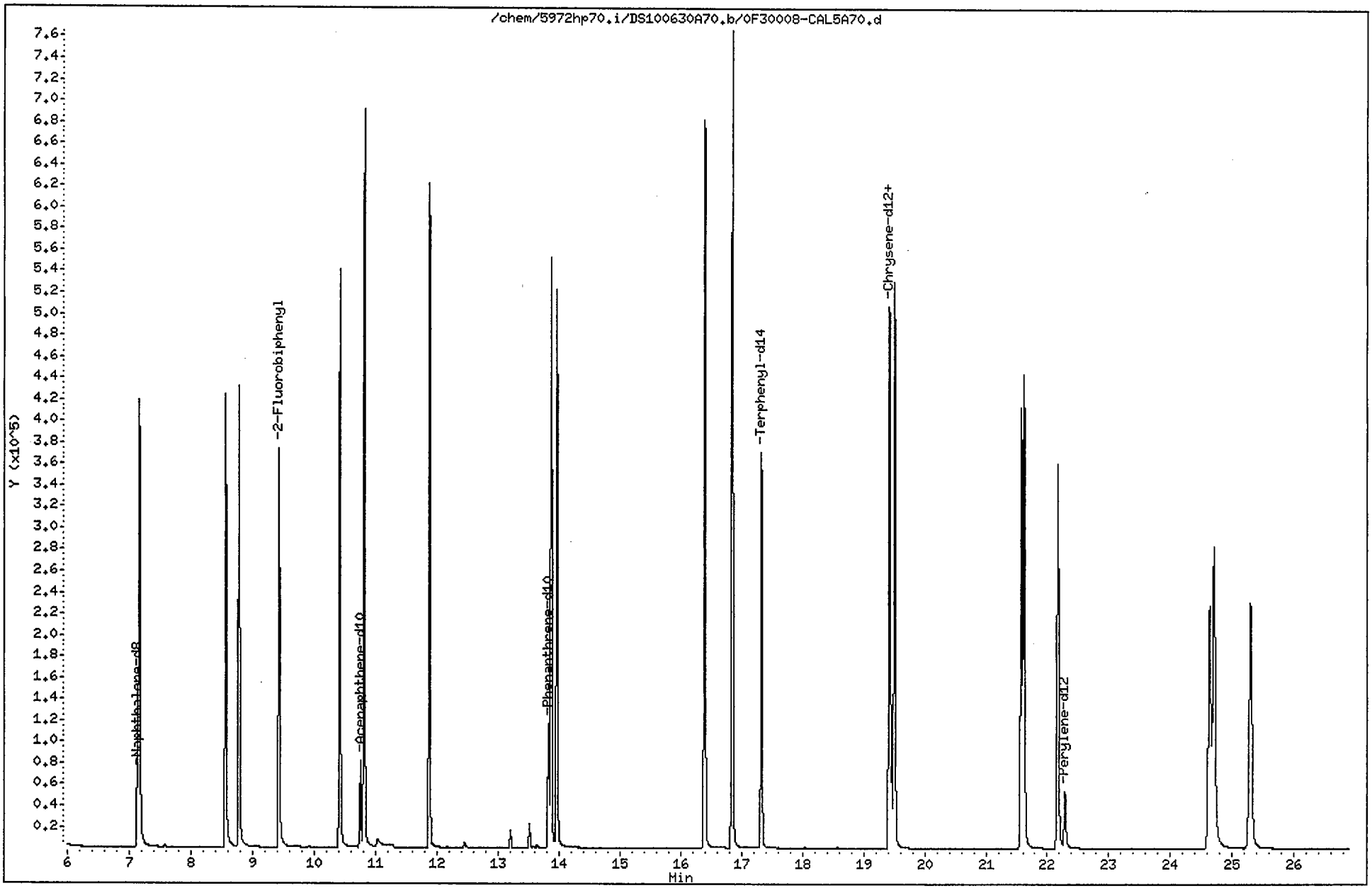
Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL5A70.d
Date : 30-JUN-2010 15:33
Client ID: SSTD010Z4
Sample Info: SSTD010Z4:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL5A70.d
Report Date: 01-Jul-2010 13:45

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630A70.b/0F30008-CAL5A70.d
Lab Smp Id: 0F30008-CAL5 Client Smp ID: SSTD010Z4
Inj Date : 30-JUN-2010 15:33
Operator : MEW Inst ID: 5972hp70.i
Smp Info : SSTD010Z4:MEW
Misc Info : SSTD010Z4
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Meth Date : 01-Jul-2010 13:45 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.822	4.822	(1.000)	25242	2.00000	
* 2 Naphthalene-d8	136	7.129	7.129	(1.000)	95948	2.00000	
* 3 Acenaphthene-d10	164	10.757	10.757	(1.000)	62816	2.00000	
* 4 Phenanthrene-d10	188	13.829	13.829	(1.000)	138127	2.00000	
* 5 Chrysene-d12	240	19.454	19.454	(1.000)	118172	2.00000	
* 6 Perylene-d12	264	22.287	22.287	(1.000)	93129	2.00000	
$ 9 Nitrobenzene-d5	82	5.849	5.849	(0.820)	348070	10.0000	11(A)
$ 10 2-Fluorobiphenyl	172	9.428	9.428	(0.876)	446590	10.0000	10(A)
$ 12 Terphenyl-d14	244	17.326	17.326	(0.891)	434014	10.0000	10(A)
13 Naphthalene	128	7.160	7.160	(1.004)	605467	10.0000	9.9
15 2-Methylnaphthalene	141	8.564	8.564	(1.201)	306025	10.0000	11(A)
17 Acenaphthylene	152	10.415	10.415	(0.968)	637345	10.0000	11(A)
18 Acenaphthene	154	10.816	10.816	(1.005)	377909	10.0000	10(A)
21 Fluorene	166	11.879	11.879	(1.104)	483335	10.0000	10(A)
25 Phenanthrene	178	13.873	13.873	(1.003)	733885	10.0000	9.7

Data File: /chem/5972hp70.i/DS100630A70.b/0F30008-CAL5A70.d
Report Date: 01-Jul-2010 13:45

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
26 Anthracene	178	13.966	13.966	(1.010)	716835	10.0000	10(A)
27 Fluoranthene	202	16.399	16.399	(1.186)	797592	10.0000	11(A)
28 Pyrene	202	16.854	16.854	(0.866)	869074	10.0000	10(A)
29 Benzo(a)anthracene	228	19.419	19.419	(0.998)	692038	10.0000	11(A)
30 Chrysene	228	19.507	19.507	(1.003)	732314	10.0000	9.9
31 Benzo(b)fluoranthene	252	21.577	21.577	(0.968)	624537	10.0000	11(A)
32 Benzo(k)fluoranthene	252	21.621	21.621	(0.970)	690394	10.0000	10(A)
33 Benzo(a)pyrene	252	22.168	22.168	(0.995)	583987	10.0000	11(A)
34 Indeno(1,2,3-cd)pyrene	276	24.626	24.626	(1.105)	477815	10.0000	10
35 Dibenzo(a,h)anthracene	278	24.697	24.697	(1.108)	511498	10.0000	11(A)
36 Benzo(g,h,i)perylene	276	25.288	25.288	(1.135)	525276	10.0000	10(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/5972hp70.i/DS100630A70.b/SRC100630A70.d
Report Date: 01-Jul-2010 15:25

CompuChem

RECOVERY REPORT

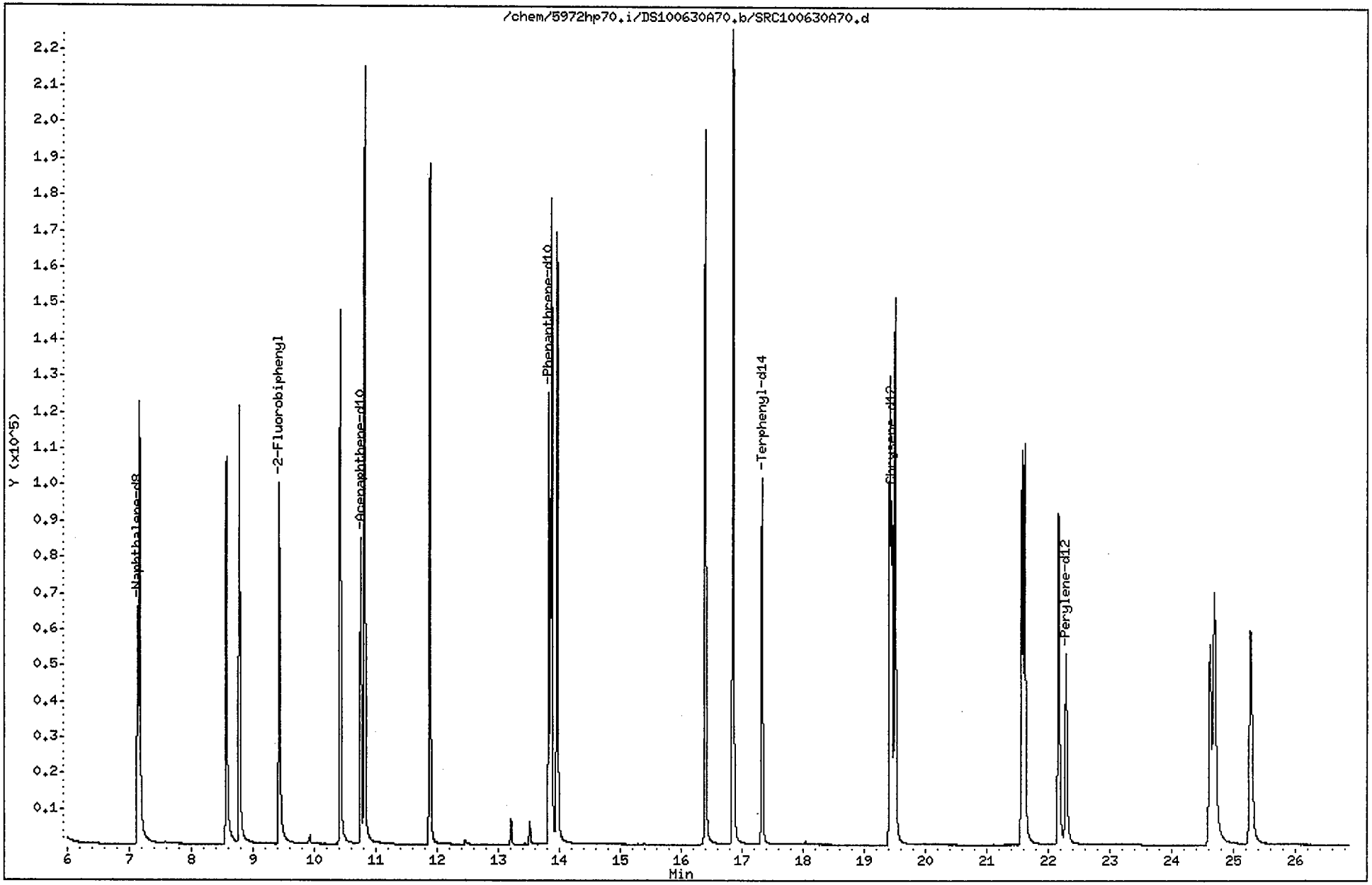
Client Name:
Sample Matrix: LIQUID
Lab Smp Id: SSTD003VAL
Level: LOW
Data Type: MS DATA
SpikeList File: 2ndsourceSIM.spk
Sublist File: ICALPAH.sub
Client SDG: DS100630A70
Fraction: SV
Client Smp ID: SSTD003VAL
Operator: MEW
SampleType: LCS
Quant Type: ISTD
Method File: /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Misc Info: SSTD003VAL

SPIKE COMPOUND	AMOUNT ADDED NG	AMOUNT RECOVERED NG	% RECOVERED	LIMITS
13 Naphthalene	3.0	2.9	96.47	80-120
14 Hexachlorobutadie	0.0030	0.0	*	80-120
15 2-Methylnaphthalen	3.0	3.0	99.56	80-120
16 1-Methylnaphthale	0.0030	0.0	*	80-120
17 Acenaphthylene	3.0	3.0	99.50	80-120
18 Acenaphthene	3.0	2.9	97.53	80-120
20 4-Nitrophenol	0.0080	0.0	*	80-120
21 Fluorene	3.0	3.0	99.80	80-120
23 Hexachlorobenzene	0.0080	0.0	*	80-120
24 Pentachlorophenol	0.0080	0.0	*	80-120
25 Phenanthrene	3.0	2.9	96.85	80-120
26 Anthracene	3.0	3.1	104.43	80-120
27 Fluoranthene	3.0	3.0	98.76	80-120
28 Pyrene	3.0	3.0	100.09	80-120
29 Benzo(a)anthracene	3.0	2.8	94.89	80-120
30 Chrysene	3.0	2.9	96.05	80-120
31 Benzo(b)fluoranthe	3.0	2.8	93.34	80-120
32 Benzo(k)fluoranthe	3.0	3.0	99.19	80-120
33 Benzo(a)pyrene	3.0	3.0	98.43	80-120
34 Indeno(1,2,3-cd)py	3.0	2.6	87.57	80-120
35 Dibenzo(a,h)anthra	3.0	3.0	98.74	80-120
36 Benzo(g,h,i)peryle	3.0	2.8	92.40	80-120

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 9 Nitrobenzene-d5	1.5	1.4	96.54	40-110
$ 10 2-Fluorobiphenyl	1.5	1.5	97.78	50-110
$ 12 Terphenyl-d14	1.5	1.5	98.45	50-135

Data File: /chem/5972hp70.i/DS100630A70.b/SRC100630A70.d
Date : 30-JUN-2010 16:09
Client ID: SSTD003VAL
Sample Info: SSTD003VAL:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630A70.b/SRC100630A70.d
Report Date: 01-Jul-2010 13:50

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630A70.b/SRC100630A70.d
Lab Smp Id: SSTD003VAL Client Smp ID: SSTD003VAL
Inj Date : 30-JUN-2010 16:09
Operator : MEW Inst ID: 5972hp70.i
Smp Info : SSTD003VAL:MEW
Misc Info : SSTD003VAL
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630A70.b/SIM_8270Cv3DOD.m
Meth Date : 01-Jul-2010 13:49 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 7 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	4.824	4.822	(1.000)	26203	2.00000	
* 2 Naphthalene-d8	136	7.131	7.129	(1.000)	99076	2.00000	
* 3 Acenaphthene-d10	164	10.756	10.757	(1.000)	67275	2.00000	
* 4 Phenanthrene-d10	188	13.828	13.829	(1.000)	150685	2.00000	
* 5 Chrysene-d12	240	19.453	19.454	(1.000)	120785	2.00000	
* 6 Perylene-d12	264	22.287	22.287	(1.000)	96276	2.00000	
$ 9 Nitrobenzene-d5	82	5.856	5.849	(0.821)	92859	2.89628	1.4
$ 10 2-Fluorobiphenyl	172	9.427	9.428	(0.876)	136005	2.93336	1.5
$ 12 Terphenyl-d14	244	17.328	17.326	(0.891)	126985	2.95353	1.5
13 Naphthalene	128	7.162	7.160	(1.004)	183113	2.89421	1.4
15 2-Methylnaphthalene	141	8.563	8.564	(1.201)	89057	2.98674	1.5
17 Acenaphthylene	152	10.421	10.415	(0.969)	189460	2.98502	1.5
18 Acenaphthene	154	10.815	10.816	(1.005)	117844	2.92596	1.5
21 Fluorene	166	11.879	11.879	(1.104)	151488	2.99388	1.5
25 Phenanthrene	178	13.872	13.873	(1.003)	238958	2.90545	1.5

Data File: /chem/5972hp70.i/DS100630A70.b/SRC100630A70.d
Report Date: 01-Jul-2010 13:50

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
26 Anthracene	178	13.965	13.966	(1.010)	236426	3.13277	1.6
27 Fluoranthene	202	16.397	16.399	(1.186)	239279	2.96286	1.5
28 Pyrene	202	16.851	16.854	(0.866)	262103	3.00271	1.5
29 Benzo(a)anthracene	228	19.418	19.419	(0.998)	181036	2.84661	1.4
30 Chrysene	228	19.502	19.507	(1.002)	218162	2.88158	1.4
31 Benzo(b)fluoranthene	252	21.572	21.577	(0.968)	157762	2.80018	1.4
32 Benzo(k)fluoranthene	252	21.617	21.621	(0.970)	207353	2.97559	1.5
33 Benzo(a)pyrene	252	22.163	22.168	(0.994)	157148	2.95292	1.5
34 Indeno(1,2,3-cd)pyrene	276	24.618	24.626	(1.105)	121591	2.62706	1.3 (M)
35 Dibenzo(a,h)anthracene	278	24.693	24.697	(1.108)	139412	2.96227	1.5
36 Benzo(g,h,i)perylene	276	25.276	25.288	(1.134)	144199	2.77194	1.4

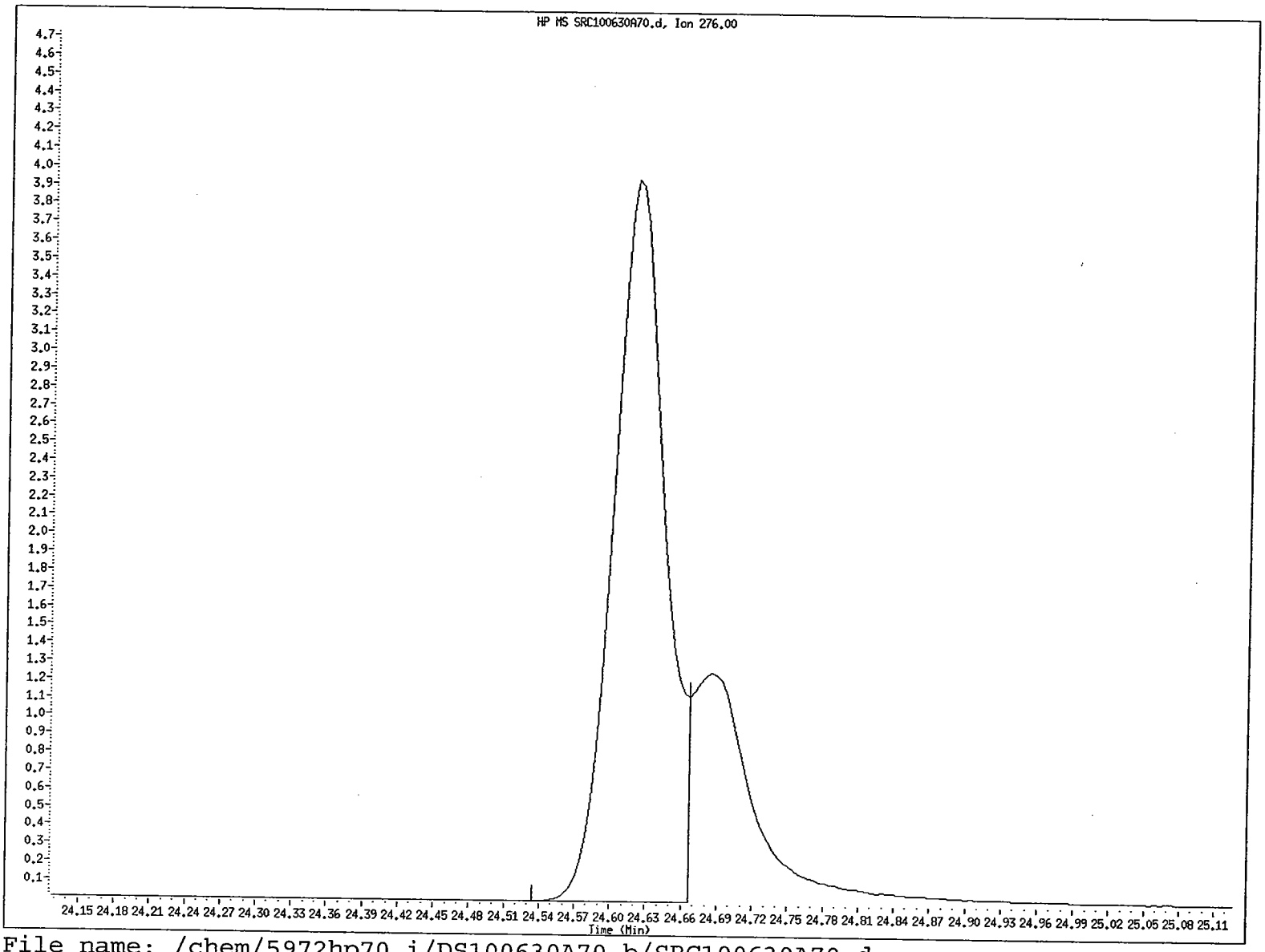
26/7/10

RW 7/1/10

QC Flag Legend

M - Compound response manually integrated.

Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 121591 Manually integrated



File name: /chem/5972hp70.i/DS100630A70.b/SRC100630A70.d
Client ID: SSTD003VAL
Instrument ID: 5972hp70.i
Injection Date and Time: 30-JUN-2010 16:09
Retention Time: 24.62
Operator ID: MEW

COMPUCHEM a Division of Liberty Analytical Corp
GC/MS SEMIVOLATILE RUN LOG
LOGBOOK 4U(4) 21 (5972hp70)

DATE 6/30/10 INITIAL TIME OF TUNE 1204 SHIFT/S (A) X (B)____(C)____
TIME TUNE EXPIRES 0004
METHOD: 625 (8270C) 8270D OLC03.2 OLM04.3 SOM01.2 (Circle One) or Other: DAH SIM: (Y)/N)
PREVENTIVE MAINTENANCE None 007 0105

	SEQUENCE#	BOTTLE	FILENAME	BOTTLE	DATE	TIME	CLIENT ID	SDG#	AMOUNT INJECTED	CHEMIST	COMMENTS
1	DF30008		N/A		6/30/10	1204	FC43	—	2uL	2730	SCD=LCD
2	S100630A		AScan A70		/ /	1228	SSTD003	—			
3			DF30008-Cal1		/ /	1311	SSTD 0.4 Z4	—			DE18005 8-18-10
4			Cal2		/ /	1346	1.2	—			DE18006
5			Cal3		/ /	1422	003	—			DF18002
6			Cal4		/ /	1457	005	—			DE18009
7			Cal5		/ /	1533	010	—			DE18010
8			SRC 100630		/ /	1609	SSTD 003 Val	—			DE26005 8-26-10
9			0060203-BLK1A70		/ /	1748	SBLKE1	1005134			
10			-BS1		/ /	1828	SE1LCS				
11			1005134-18R		/ /	1904	SB44-5-6				
12			0060203-MS1		/ /	1939	MS				
13			MS01		/ /	2015	MSD				
14			1005134-06R		/ /	2050	SS33-0-1				
15			07R		/ /	2126	SB33-4-5				
16			08R		/ /	2201	SB31-5-6				
17			09R		/ /	2237	SS31-0-1				
18			10R		/ /	2312	SS32-0-1				
19					/ /						
20					/ /						
21					/ /						
22					/ /						
23					/ /						
24					/ /						B 6-30-10

DFTPP Lot #/Exp. Date: N/A
Calibration STD Lot#/Exp. Date: See Comments
Internal STD Lot#/Exp. Date: 040 DF18001 11-18-10
Methylene Chloride Lot#/Exp. Date: JT1500 6-8-15
Column Type: RTx-5ms 0.32mm

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

REVIEWED BY: B DATE 6-30-10

b. Continuing Calibration Data (Form VII SV)

If more than one instrument is used, forms shall be arranged in order by instrument. If multiple continuing calibrations from the same instrument are used, they shall be in chronological order.

(1) Chromatograms and quantitation reports for all continuing (12-hour) calibrations.
Spectra not required.

(2) EICPs displaying each manual integration.

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Instrument ID: 5972HP70 Calibration Date: 07/01/10 Time: 0201

Lab File ID: 0G01002-CCV2B7 Init. Calib. Date(s): 06/30/10 06/30/10

Init. Calib. Times: 1311 1533

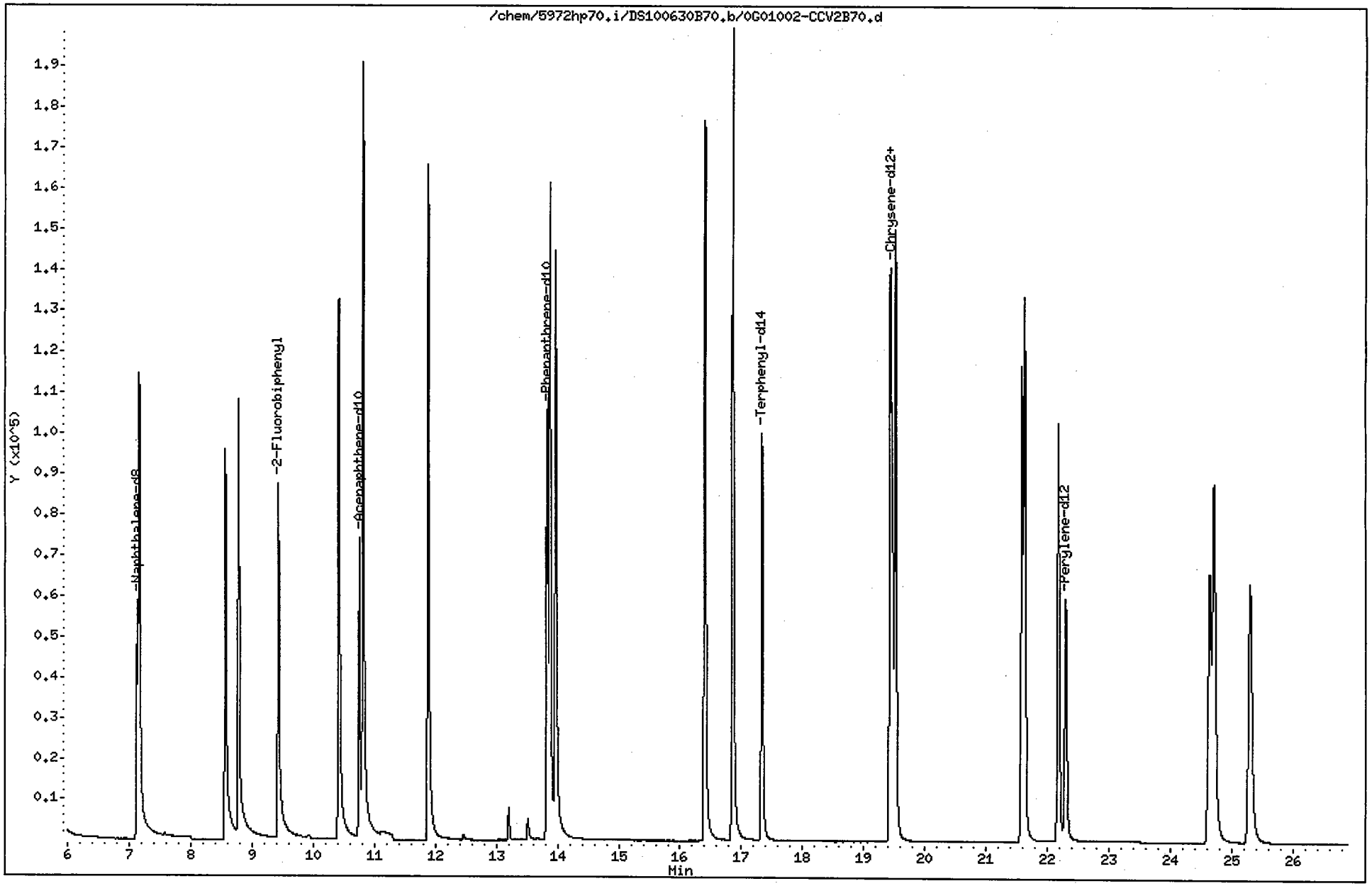
GC Column: RTX-5MS ID: 0.32 (mm)

COMPOUND	RRF or AMOUNT	RRF3.0000 or AMOUNT	CCAL RRF3.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Naphthalene	1.2770000	1.2894786	1.2894786	0.01	0.98	50.00	AVRG
2-Methylnaphthalene	0.6020000	0.6264037	0.6264037	0.01	4.05	50.00	AVRG
Acenaphthylene	1.8870000	1.9893373	1.9893373	0.01	5.42	50.00	AVRG
Acenaphthene	1.1970000	1.1828058	1.1828058	0.01	-1.18	20.00	AVRG
Fluorene	1.5040000	1.5342808	1.5342808	0.01	2.01	50.00	AVRG
Phenanthrene	1.0910000	1.0465931	1.0465931	0.01	-4.07	50.00	AVRG
Anthracene	1.0020000	1.1378813	1.1378813	0.01	13.56	50.00	AVRG
Fluoranthene	1.0720000	1.1613416	1.1613416	0.01	8.33	20.00	AVRG
Pyrene	1.4450000	1.4143607	1.4143607	0.01	-2.12	50.00	AVRG
Benzo(a)anthracene	1.0530000	1.1093279	1.1093279	0.01	5.35	50.00	AVRG
Chrysene	1.2540000	1.2192589	1.2192589	0.01	-2.77	50.00	AVRG
Benzo(b)fluoranthene	1.1700000	1.0790445	1.0790445	0.01	-7.77	50.00	AVRG
Benzo(k)fluoranthene	1.4480000	1.4575074	1.4575074	0.01	0.66	50.00	AVRG
Benzo(a)pyrene	1.1060000	1.1527934	1.1527934	0.01	4.23	20.00	AVRG
Indeno(1,2,3-cd)pyrene	2.8685067	3.0000000	0.9266272	0.01	-4.38	50.00	LINR
Dibenzo(a,h)anthracene	0.9780000	1.0059325	1.0059325	0.01	2.86	50.00	AVRG
Benzo(g,h,i)perylene	1.0800000	1.0268460	1.0268460	0.01	-4.92	50.00	AVRG
Nitrobenzene-d5	0.6470000	0.6438522	0.6438522	0.01	-0.49	50.00	AVRG
2-Fluorobiphenyl	1.3780000	1.4085525	1.4085525	0.01	2.22	50.00	AVRG
Terphenyl-d14	0.7120000	0.7209170	0.7209170	0.01	1.25	50.00	AVRG

FORM VII SV

Data File: /chem/5972hp70.i/DS100630B70.b/0G01002-CCV2B70.d
Date : 01-JUL-2010 02:01
Client ID: SSTD003MF
Sample Info: SSTD003MF:TD
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: TD
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630B70.b/0G01002-CCV2B70.d
Report Date: 01-Jul-2010 16:14

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630B70.b/0G01002-CCV2B70.d
Lab Smp Id: 0G01002-CCV1 Client Smp ID: SSTD003MF
Inj Date : 01-JUL-2010 02:01
Operator : TD Inst ID: 5972hp70.i
Smp Info : SSTD003MF:TD
Misc Info : SSTD003MF
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630B70.b/SIM_8270Cv3DOD.m
Meth Date : 01-Jul-2010 16:13 buddy Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.823	4.823	(1.000)	29371	2.00000	
* 2 Naphthalene-d8	136	7.130	7.130	(1.000)	107096	2.00000	
* 3 Acenaphthene-d10	164	10.757	10.757	(1.000)	74653	2.00000	
* 4 Phenanthrene-d10	188	13.831	13.831	(1.000)	157713	2.00000	
* 5 Chrysene-d12	240	19.458	19.458	(1.000)	139821	2.00000	
* 6 Perylene-d12	264	22.295	22.295	(1.000)	121421	2.00000	
$ 9 Nitrobenzene-d5	82	5.855	5.855	(0.821)	103431	3.00000	3.0
$ 10 2-Fluorobiphenyl	172	9.428	9.428	(0.877)	157729	3.00000	3.1
$ 12 Terphenyl-d14	244	17.331	17.331	(0.891)	151199	3.00000	3.0
13 Naphthalene	128	7.161	7.161	(1.004)	207147	3.00000	3.0
15 2-Methylnaphthalene	141	8.564	8.564	(1.201)	100628	3.00000	3.1
17 Acenaphthylene	152	10.422	10.422	(0.969)	222765	3.00000	3.2
18 Acenaphthene	154	10.816	10.816	(1.005)	132450	3.00000	3.0
21 Fluorene	166	11.882	11.882	(1.105)	171808	3.00000	3.1
25 Phenanthrene	178	13.876	13.876	(1.003)	247592	3.00000	2.9

07-01-10

Data File: /chem/5972hp70.i/DS100630B70.b/0G01002-CCV2B70.d
Report Date: 01-Jul-2010 16:14

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
26 Anthracene	178	13.968	13.968	(1.010)	269188	3.00000	3.4
27 Fluoranthene	202	16.404	16.404	(1.186)	274738	3.00000	3.3
28 Pyrene	202	16.854	16.854	(0.866)	296636	3.00000	2.9
29 Benzo(a)anthracene	228	19.428	19.428	(0.998)	232661	3.00000	3.2
30 Chrysene	228	19.511	19.511	(1.003)	255717	3.00000	2.9
31 Benzo(b)fluoranthene	252	21.576	21.576	(0.968)	196528	3.00000	2.8
32 Benzo(k)fluoranthene	252	21.620	21.620	(0.970)	265458	3.00000	3.0
33 Benzo(a)pyrene	252	22.172	22.172	(0.994)	209960	3.00000	3.1
34 Indeno(1,2,3-cd)pyrene	276	24.635	24.635	(1.105)	168768	3.00000	2.9(M)
35 Dibenzo(a,h)anthracene	278	24.701	24.701	(1.108)	183212	3.00000	3.1
36 Benzo(g,h,i)perylene	276	25.292	25.292	(1.134)	187021	3.00000	2.9

ms 07-01-10

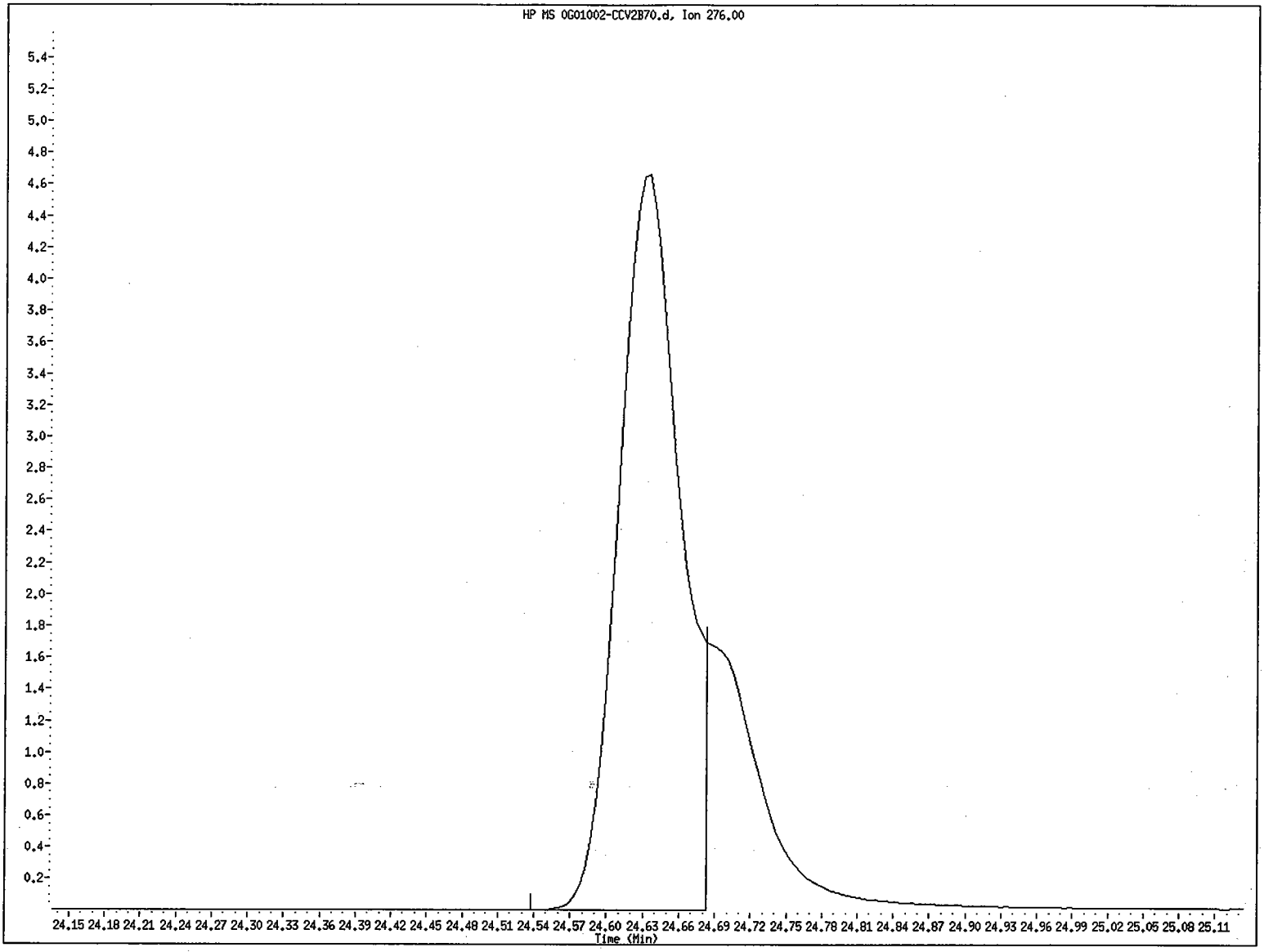
pm 7/2/10

QC Flag Legend

M - Compound response manually integrated.

ms 07-01-10

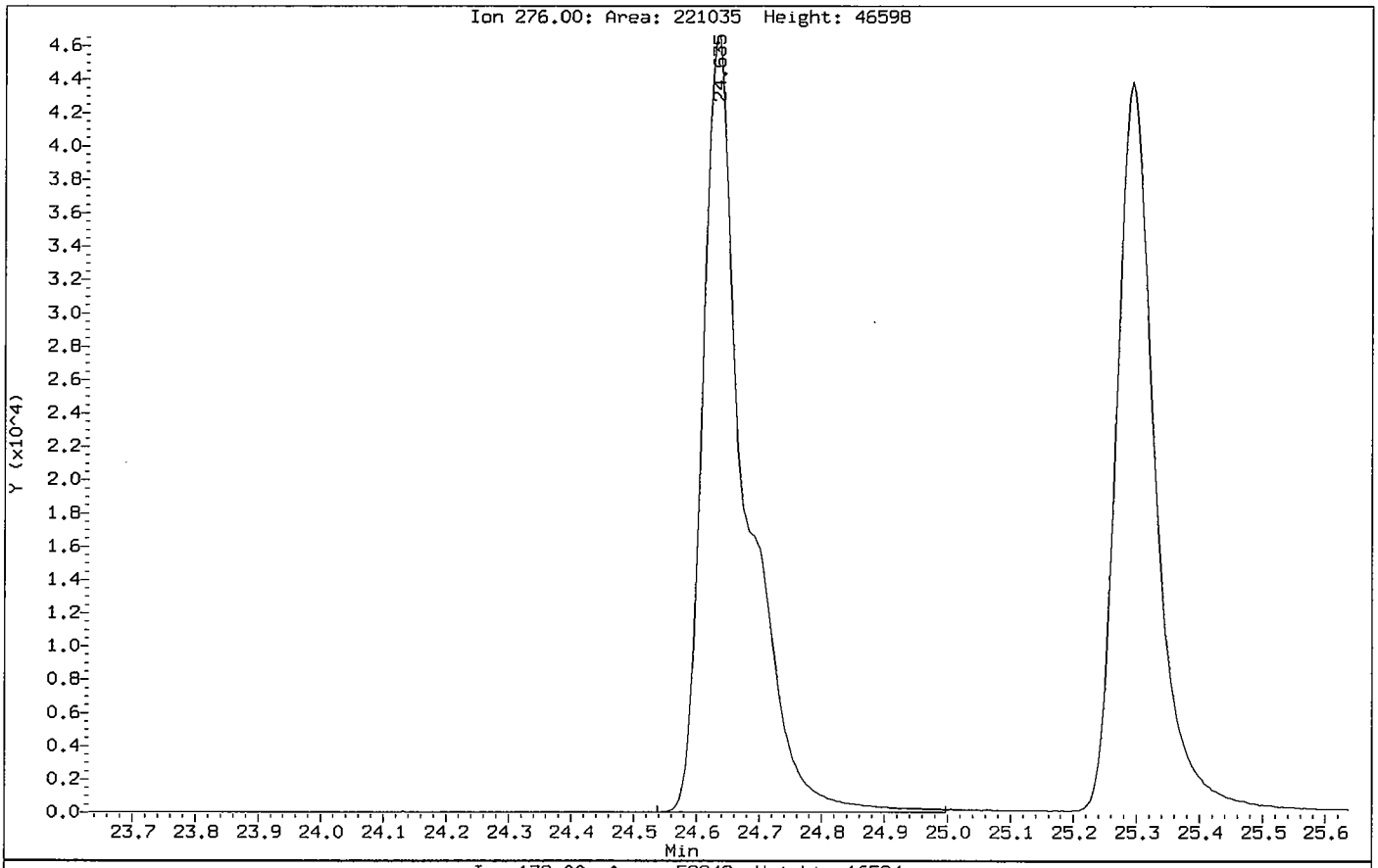
Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 168768 Manually integrated

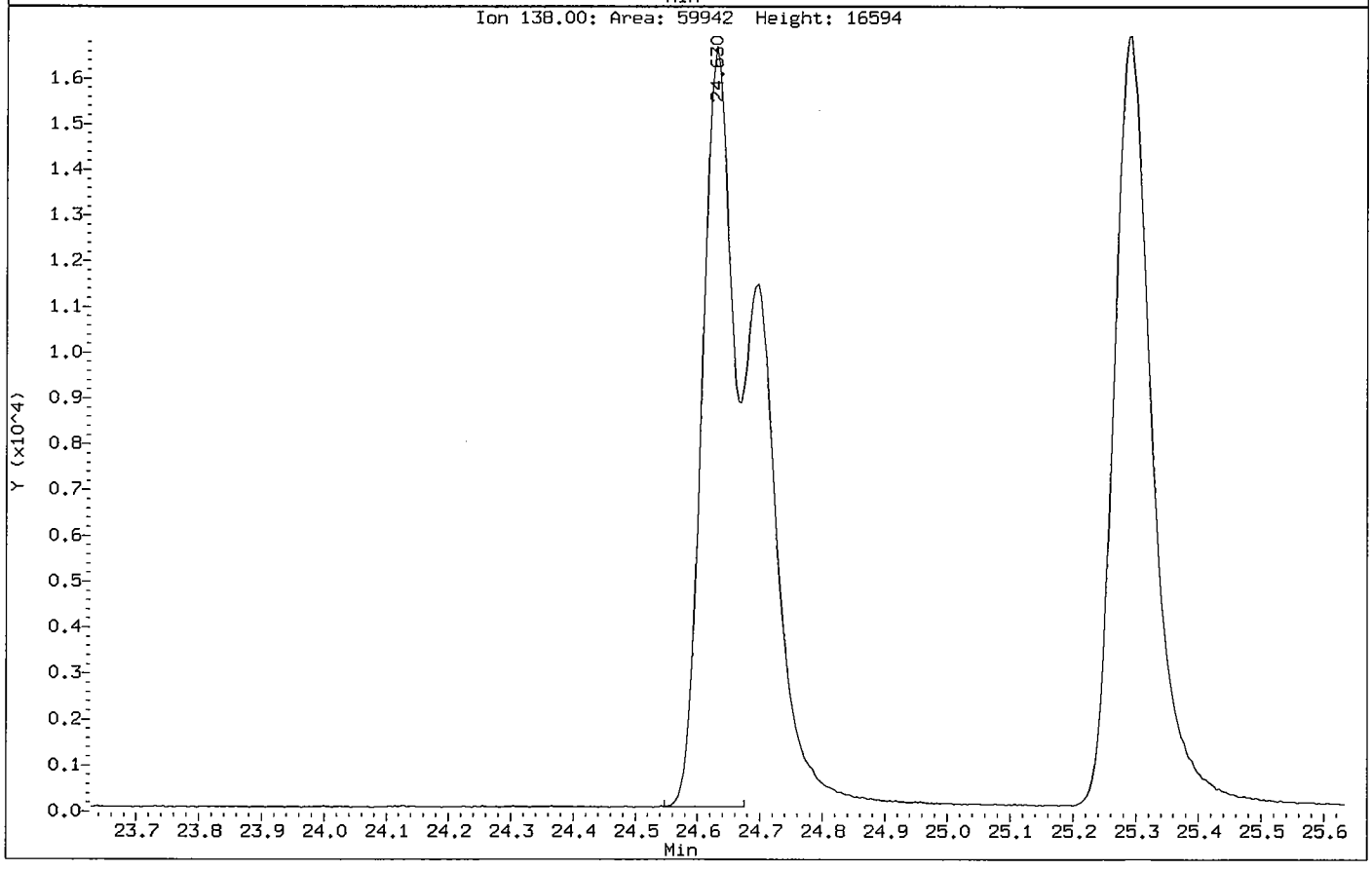


File name: /chem/5972hp70.i/DS100630B70.b/0G01002-CCV2B70.d
Client ID: SSTD003MF
Instrument ID: 5972hp70.i
Injection Date and Time: 01-JUL-2010 02:01
Retention Time: 24.63
Operator ID: TD

Data File: /chem/5972hp70.i/DS100630B70.b/0G01002-CCV2B70.d
Injection Date: 01-JUL-2010 02:01
Instrument: 5972hp70.i
Client Sample ID: SSTD003MF

Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





COMPUCHEM a Division of Liberty Analytical Corp
GC/MS SEMIVOLATILE RUN LOG
LOGBOOK 4U(4) 21 (5972hp70)

DATE 7/1/10 INITIAL TIME OF TUNE 0050 SHIFT/S (A) ____ (B) X (C) ____
TIME TUNE EXPIRES 1250
METHOD: 625 ~~8270C~~ 8270D OLC03.2 OLM04.3 SOM01.2 (Circle One) or Other: PAH SIM: (Y)/N)
PREVENTIVE MAINTENANCE None

	SEQUENCE#	REJECTED	FILENAME	REPORTED	DATE	TIME	CLIENT ID	SDG#	AMOUNT INJECTED	CHEMIST	COMMENTS
1	OG01002		N/A	/	7/1/10	0050	FC43	—	—	B	LVD=5CP
2	S10063B		OG01002-TUN1	/	/ /	0054	DFTPPMF	—	2ul		
3		/	↓ CCV1	YS	/ /	0123	~~8270~~ VSSTD003MF	—			No Is. added
4			↓ CCV2	/	/ /	0261	↓	—			
5			1005134-12REI B70	/	/ /	0237	SB32-2.5-3.5	1005134			
6			1005134-13REI B70	/	/ /	0313	SB32D-2.5-3.5				
7			14REI	/	/ /	0348	SB 50-1-2				
8			15REI	/	/ /	0424	SS 12-0-1				
9			16REI	/	/ /	0459	SB 12-2-3				
10			17REI	/	/ /	0535	SS 44-0-1				
11			19REI	/	/ /	0611	SS 43-6-1				
12			20REI	/	/ /	0646	SB 43-3-4				
13			11REI	/	/ /	0722	SS 32D-0-1				
14			0060119-BLK1 B70	/	/ /	0758	SBLK DW				
15			BS1	/	/ /	0834	SDW LCS				
16			BSD1	/	/ /	0909	SDW LCSD	▽			
17	WS 07-01-10		~~1005129~~ ~~1005132~~ -16REI B70	/	/ /	0945	SB 59-9-10	1005129			
18			1005132-12REI	/	/ /	1020	SB 86-3-4	1005132			
19					/ /						
20					/ /						
21					/ /						
22					/ /						
23					/ /						
24					/ /						

WS 07-01-10

DFTPP Lot #/Exp. Date: N/A
Calibration STD Lot#/Exp. Date: 003 OF18002 8-18-10
Internal STD Lot#/Exp. Date: 040 DF18001 11-18-10
Methylene Chloride Lot#/Exp. Date: J17500 6-8-15
Column Type: RTX-5ms 0.32mm

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

REVIEWED BY: MN DATE 7/1/10

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Instrument ID: 5972HP70 Calibration Date: 07/01/10 Time: 1139

Lab File ID: 0G01008-CCV1A7 Init. Calib. Date(s): 06/30/10 06/30/10

Init. Calib. Times: 1311 1533

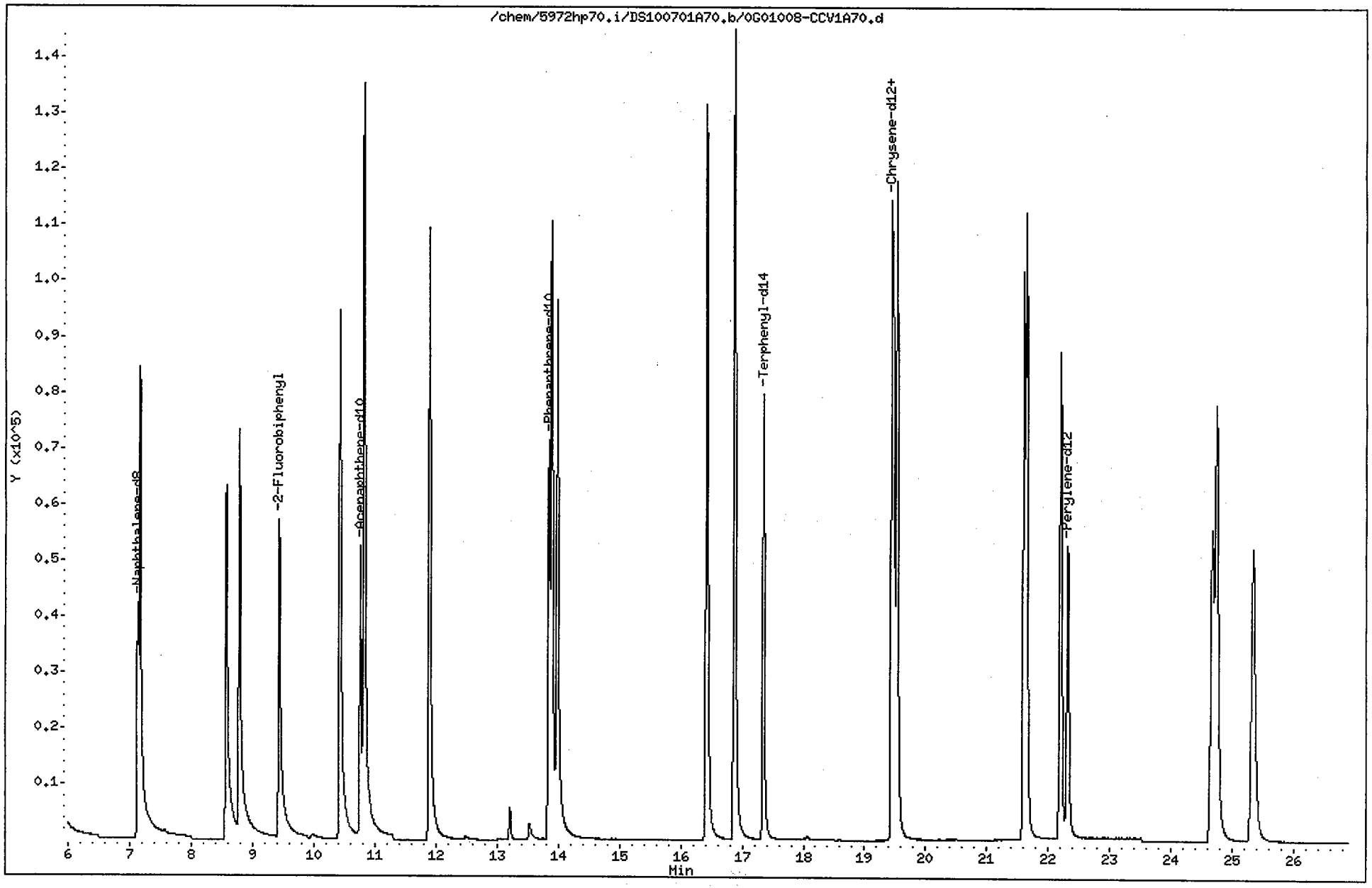
GC Column: RTX-5MS ID: 0.32 (mm)

COMPOUND	RRF or AMOUNT	RRF3.0000 or AMOUNT	CCAL RRF3.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Naphthalene	1.2770000	1.2300056	1.2300056	0.01	-3.68	50.00	AVRG
2-Methylnaphthalene	0.6020000	0.5768487	0.5768487	0.01	-4.18	50.00	AVRG
Acenaphthylene	1.8870000	1.9584195	1.9584195	0.01	3.78	50.00	AVRG
Acenaphthene	1.1970000	1.1587943	1.1587943	0.01	-3.19	20.00	AVRG
Fluorene	1.5040000	1.4666768	1.4666768	0.01	-2.48	50.00	AVRG
Phenanthrene	1.0910000	0.9513077	0.9513077	0.01	-12.80	50.00	AVRG
Anthracene	1.0020000	1.1084176	1.1084176	0.01	10.62	50.00	AVRG
Fluoranthene	1.0720000	1.0889131	1.0889131	0.01	1.58	20.00	AVRG
Pyrene	1.4450000	1.3174277	1.3174277	0.01	-8.83	50.00	AVRG
Benzo(a)anthracene	1.0530000	1.0890218	1.0890218	0.01	3.42	50.00	AVRG
Chrysene	1.2540000	1.1976940	1.1976940	0.01	-4.49	50.00	AVRG
Benzo(b)fluoranthene	1.1700000	1.0419732	1.0419732	0.01	-10.94	50.00	AVRG
Benzo(k)fluoranthene	1.4480000	1.3762752	1.3762752	0.01	-4.95	50.00	AVRG
Benzo(a)pyrene	1.1060000	1.1056617	1.1056617	0.01	-0.03	20.00	AVRG
Indeno(1,2,3-cd)pyrene	2.7517078	3.0000000	0.8856697	0.01	-8.28	50.00	LINR
Dibenzo(a,h)anthracene	0.9780000	0.9700989	0.9700989	0.01	-0.81	50.00	AVRG
Benzo(g,h,i)perylene	1.0800000	0.9851207	0.9851207	0.01	-8.78	50.00	AVRG
Nitrobenzene-d5	0.6470000	0.6369186	0.6369186	0.01	-1.56	50.00	AVRG
2-Fluorobiphenyl	1.3780000	1.3840426	1.3840426	0.01	0.44	50.00	AVRG
Terphenyl-d14	0.7120000	0.6815768	0.6815768	0.01	-4.27	50.00	AVRG

FORM VII SV

Data File: /chem/5972hp70.i/DS100701A70.b/0G01008-CCV1A70.d
Date : 01-JUL-2010 11:39
Client ID: SSTD003MG
Sample Info: SSTD003MG:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100701A70.b/0G01008-CCV1A70.d
Report Date: 01-Jul-2010 12:23

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100701A70.b/0G01008-CCV1A70.d
Lab Smp Id: 0G01008-CCV1 Client Smp ID: SSTD003MG
Inj Date : 01-JUL-2010 11:39
Operator : OWS Inst ID: 5972hp70.i
Smp Info : SSTD003MG:OWS
Misc Info : SSTD003MG
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100701A70.b/SIM_8270Cv3DOD.m
Meth Date : 01-Jul-2010 12:19 buddy Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	4.820	4.820	(1.000)	26498	2.00000	
*	2 Naphthalene-d8	136	7.130	7.130	(1.000)	99928	2.00000	
*	3 Acenaphthene-d10	164	10.763	10.763	(1.000)	65800	2.00000	
*	4 Phenanthrene-d10	188	13.846	13.846	(1.000)	139762	2.00000	
*	5 Chrysene-d12	240	19.476	19.476	(1.000)	125239	2.00000	
*	6 Perylene-d12	264	22.314	22.314	(1.000)	114589	2.00000	
$	9 Nitrobenzene-d5	82	5.856	5.856	(0.821)	95469	3.00000	3.0
$	10 2-Fluorobiphenyl	172	9.432	9.432	(0.876)	136605	3.00000	3.0
$	12 Terphenyl-d14	244	17.343	17.343	(0.891)	128040	3.00000	2.9
	13 Naphthalene	128	7.161	7.161	(1.004)	184368	3.00000	2.9
	15 2-Methylnaphthalene	141	8.572	8.572	(1.202)	86465	3.00000	2.9
	17 Acenaphthylene	152	10.428	10.428	(0.969)	193296	3.00000	3.1
	18 Acenaphthene	154	10.822	10.822	(1.005)	114373	3.00000	2.9
	21 Fluorene	166	11.893	11.893	(1.105)	144761	3.00000	2.9
	25 Phenanthrene	178	13.890	13.890	(1.003)	199435	3.00000	2.6

MS 07-01-10

Data File: /chem/5972hp70.i/DS100701A70.b/0G01008-CCV1A70.d
Report Date: 01-Jul-2010 12:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
26 Anthracene	178	13.983	13.983	(1.010)	232372	3.00000	3.3
27 Fluoranthene	202	16.417	16.417	(1.186)	228283	3.00000	3.0
28 Pyrene	202	16.871	16.871	(0.866)	247490	3.00000	2.7
29 Benzo(a)anthracene	228	19.441	19.441	(0.998)	204582	3.00000	3.1
30 Chrysene	228	19.525	19.525	(1.002)	224997	3.00000	2.9
31 Benzo(b)fluoranthene	252	21.595	21.595	(0.968)	179098	3.00000	2.7
32 Benzo(k)fluoranthene	252	21.635	21.635	(0.970)	236559	3.00000	2.9
33 Benzo(a)pyrene	252	22.195	22.195	(0.995)	190045	3.00000	3.0
34 Indeno(1,2,3-cd)pyrene	276	24.666	24.666	(1.105)	152232	3.00000	2.8(M)
35 Dibenzo(a,h)anthracene	278	24.736	24.736	(1.109)	166744	3.00000	3.0
36 Benzo(g,h,i)perylene	276	25.328	25.328	(1.135)	169326	3.00000	2.7

ZWS 07-01-10

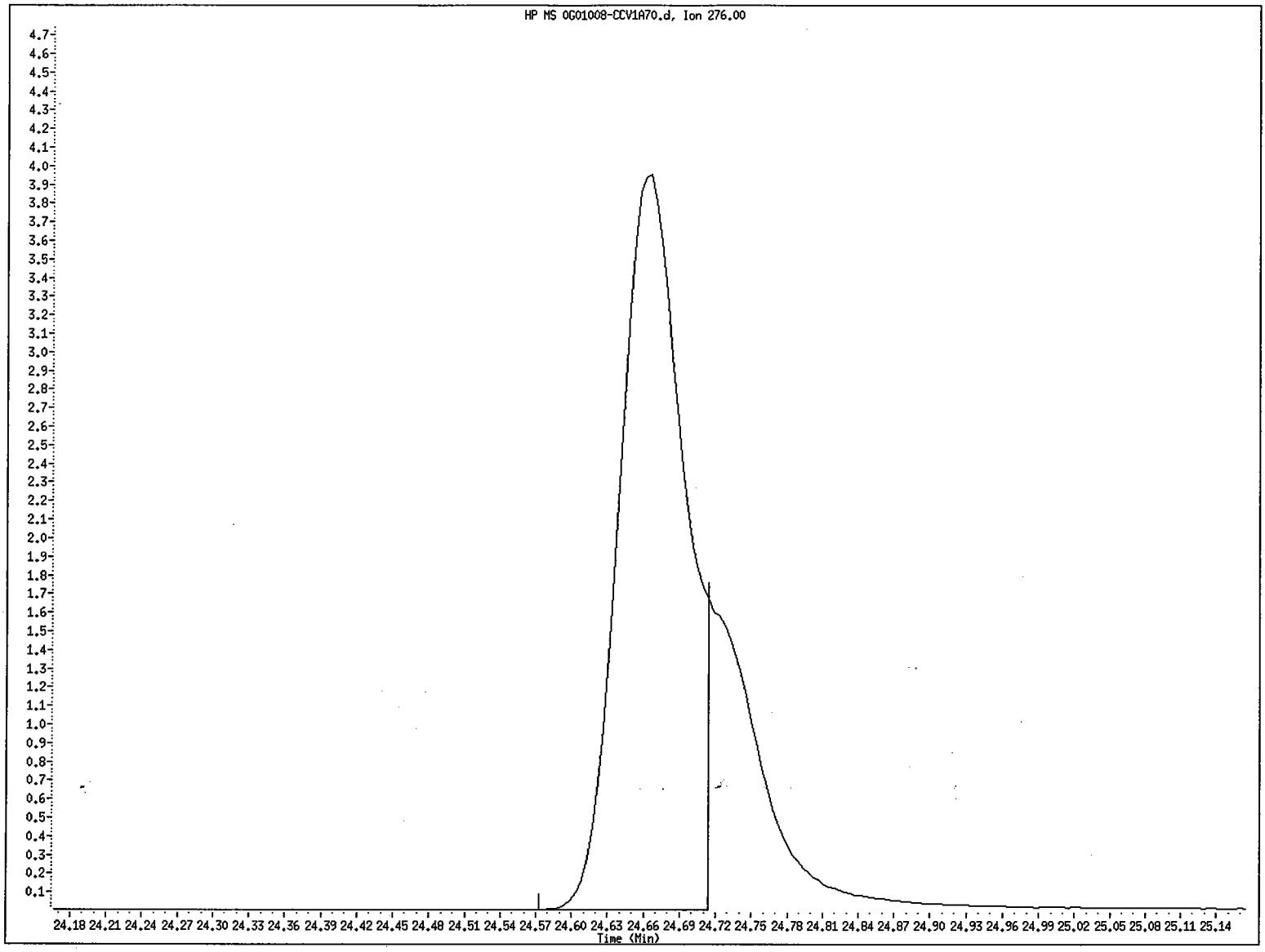
PM 7/2/10

QC Flag Legend

M - Compound response manually integrated.

ZWS 07-01-10

Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 152232 Manually integrated



File name: /chem/5972hp70.i/DS100701A70.b/0G01008-CCV1A70.d
Client ID: SSTD003MG
Instrument ID: 5972hp70.i
Injection Date and Time: 01-JUL-2010 11:39
Retention Time: 24.67
Operator ID: OWS

COMPUCHEM a Division of Liberty Analytical Corp
GC/MS SEMIVOLATILE RUN LOG
LOGBOOK 4U(4) 21 (5972hp70)

DATE 7/1/10 INITIAL TIME OF TUNE 1113 SHIFT/S (A) X (B)____ (C)____
TIME TUNE EXPIRES 2313
METHOD: 625 (8270C) 8270D OLC03.2 OLM04.3 SOM01.2 (Circle One) or Other: PAH SIM: (Y)/N)
PREVENTIVE MAINTENANCE None

	SEQUENCE#	INJECTED	FILENAME	REPORTED	DATE	TIME	CLIENT ID	SDG#	AMOUNT INJECTED	CHEMIST	COMMENTS
1	0G01008		N/A		7/1/10	1113	FC43	—	—	2730	LCO=SCD
2	S100701A		0G01008-CCV1A70		/ /	1139	SSTD003MG	—	2ul		
3			1005180-01A70		/ /	1232	SS41-0-1	1005180			
4			-02		/ /	1308	SB41-1-2				
5			-03		/ /	1343	SS35-0-1				
6			-04		/ /	1419	SB35-2-3				
7			0052409-BLK1J		/ /	1501	SBLKCG	1005133			
8			1005133-11J2		/ /	1537	SS67-0-1				
9			13J2		/ /	1612	SB72-2-3				
10			14J2		/ /	1648	SS88-0-1				
11			15J		/ /	1723	SB88-2.5-3.5				
12			16J		/ /	1759	SS76-0-1				
13			17J		/ /	1834	SB76-6-7				
14			18J		/ /	1909	SS87-0-1				
15			19J		/ /	1945	SB87-3-4				
16			20J		/ /	2020	SS68-0-1				
17					/ /						
18					/ /						
19					/ /						
20					/ /						
21					/ /						
22					/ /						
23					/ /						B 7-1-10
24					/ /						

DFTPP Lot #/Exp. Date: N/A
Calibration STD Lot#/Exp. Date: 003 OF18002 8-18-10
Internal STD Lot#/Exp. Date: 040 DF18001 11-18-10
Methylene Chloride Lot#/Exp. Date: J17500 6-8-15
Column Type: RTX-5MS 0.32mm

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

REVIEWED BY: B DATE 7-1-10

7/27/09:jr

4. Raw QC Data

    a. FC43 data

    b. Blank Data

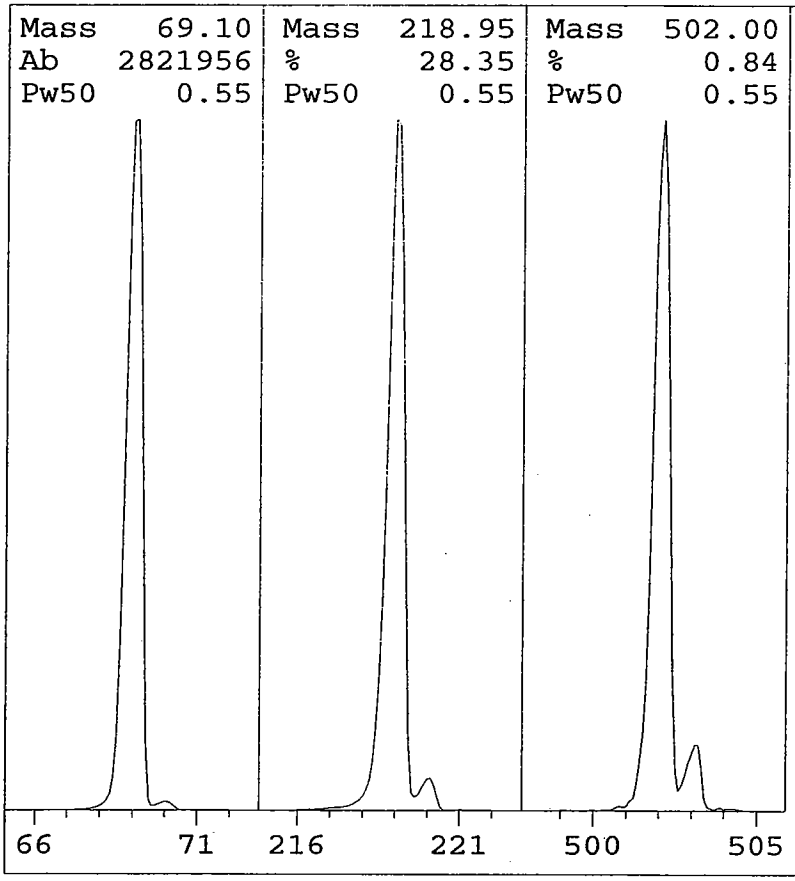
    c. Laboratory Control Sample Data

    d. Matrix Spike Data

    e. Matrix Spike Duplicate Data

a. FC43 (Calibration Gas)

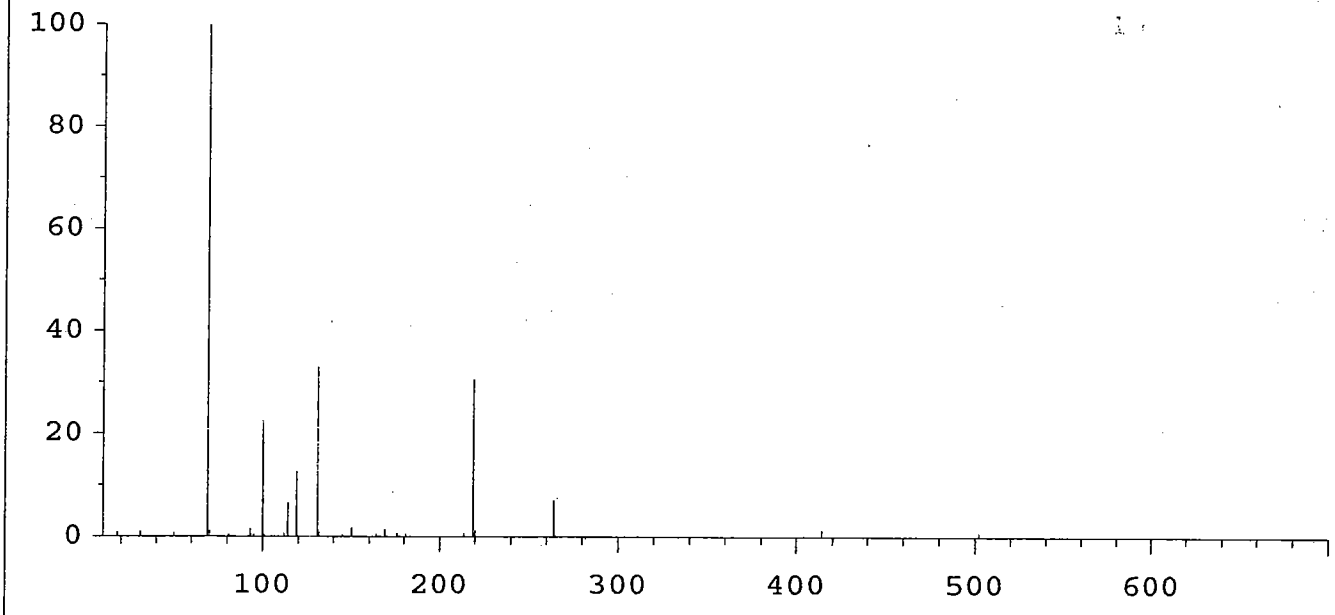
PFTBA (Perfluoro-tri-n-butylamine) scan,
showing the relative abundance of the
key ions (69, 219, and 502)
and the Instrument Operating Conditions



EMVolts	2047	AmuGain	389
Xray	21.4	AmuOffs	76
Emission	35.0	Wid219	0.057
MS Temp	161	TTI	OFF
Vacuum	34	DC Pol	POS
Samples	8	Repeller	30.07
Averages	3	IonFocus	90.0
StepSize	0.10	EntLens	0.00
MassGain	-356	EntOffs	VAR
MassOffs	4	Filament	2

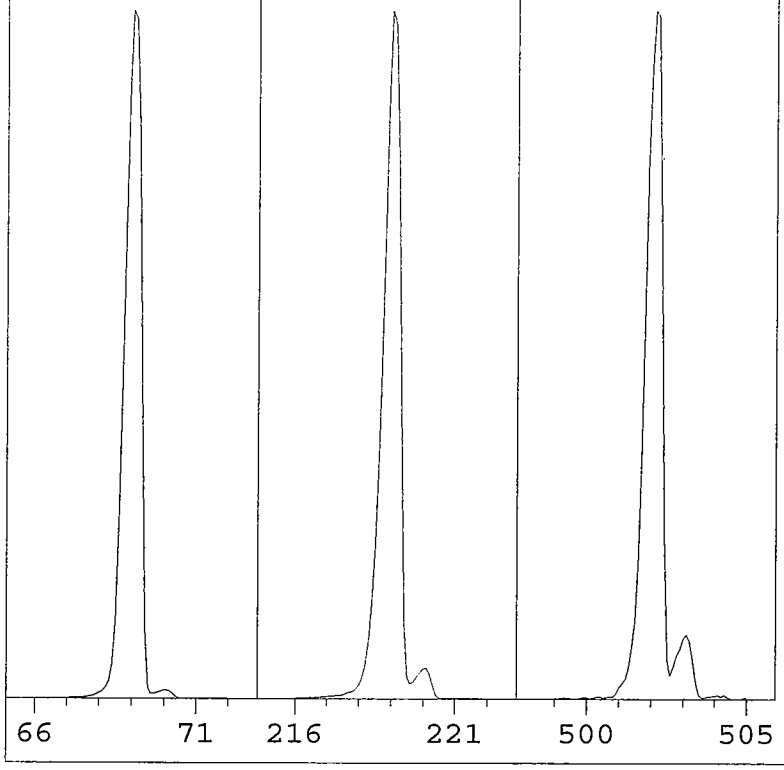
PFTBA OPEN

Scan: 10.00 - 700.00 Samples: 8 Thresh: 100
208 peaks Base: 69.00 Abundance: 2241536



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	2241536	100.00	70.10	29088	1.30
218.95	686208	30.61	219.95	30024	4.38
502.00	19488	0.87	503.00	1834	9.41

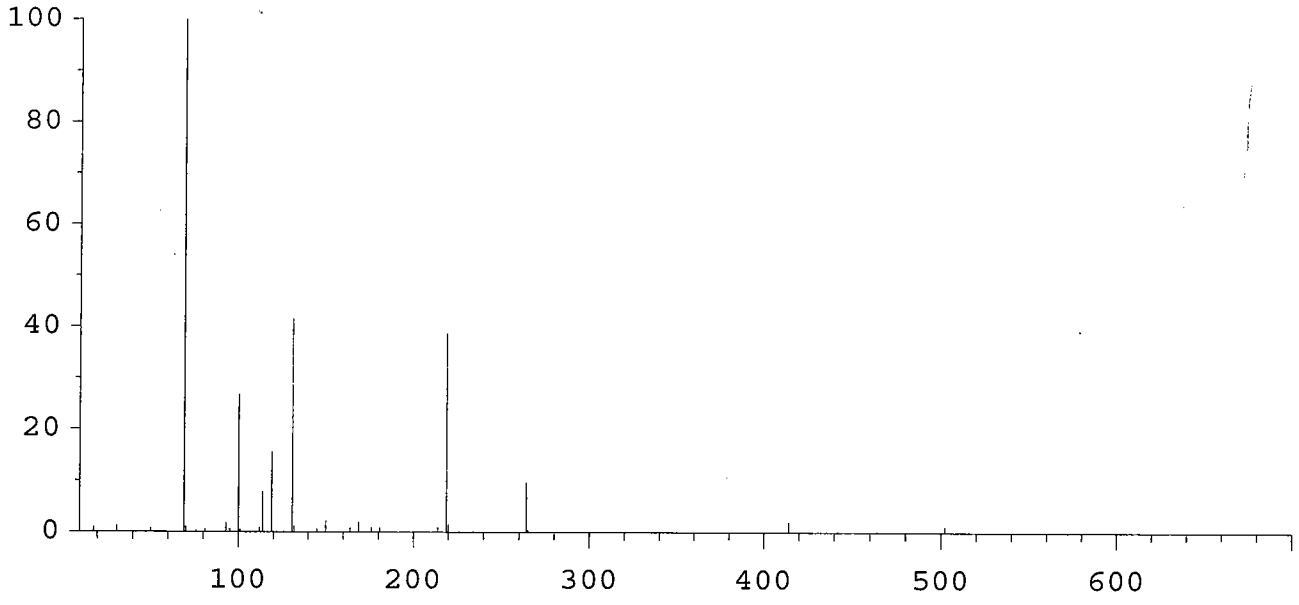
Mass	69.00	Mass	218.95	Mass	502.00
Ab	2281162	%	37.89	%	1.24
Pw50	0.57	Pw50	0.57	Pw50	0.57



EMVolts	2047	AmuGain	389
Xray	21.4	AmuOffs	76
Emission	35.0	Wid219	0.057
MS Temp	164	TTI	OFF
Vacuum	37	DC Pol	POS
Samples	8	Repeller	30.07
Averages	3	IonFocus	90.0
StepSize	0.10	EntLens	0.00
MassGain	-356	EntOffs	VAR
MassOffs	4	Filament	2

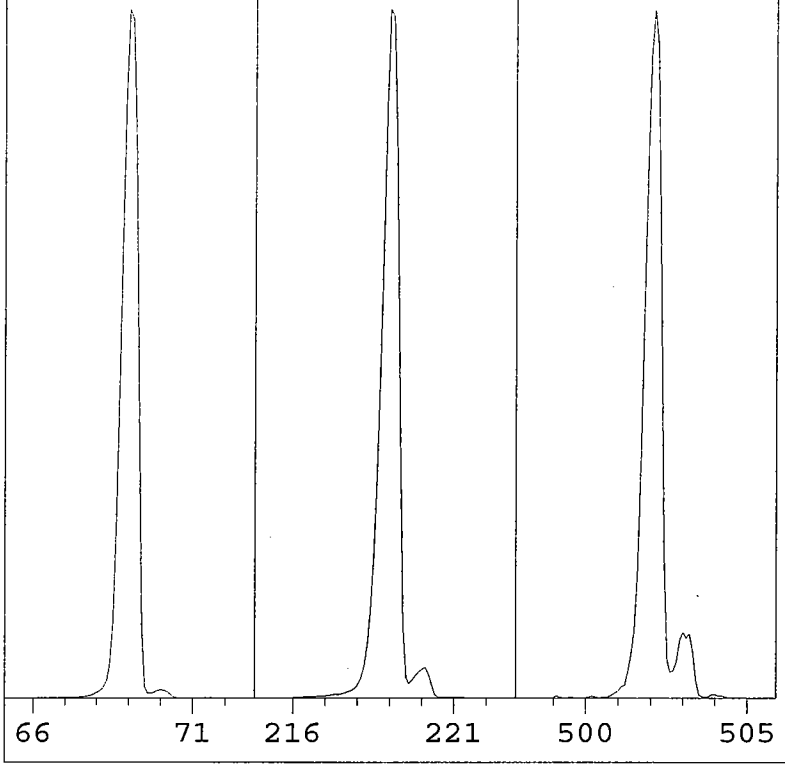
PFTBA OPEN

Scan: 10.00 - 700.00 Samples: 8 Thresh: 100
229 peaks Base: 69.00 Abundance: 1858048



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	1858048	100.00	70.00	21952	1.18
218.95	720448	38.77	219.95	31976	4.44
502.00	23872	1.28	503.00	2148	9.00

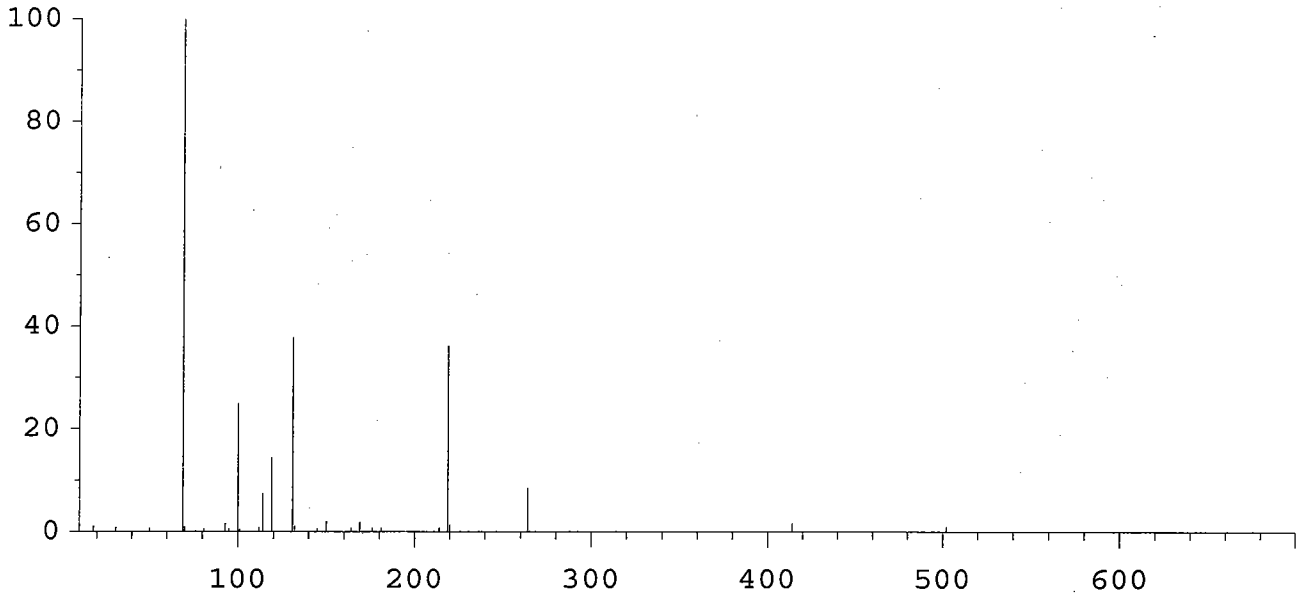
Mass	69.00	Mass	218.95	Mass	502.00
Ab	2215681	%	34.28	%	1.01
Pw50	0.56	Pw50	0.56	Pw50	0.56



EMVolts	2047	AmuGain	389
Xray	21.4	AmuOffs	76
Emission	35.0	Wid219	0.057
MS Temp	164	TTI	OFF
Vacuum	36	DC Pol	POS
Samples	8	Repeller	30.07
Averages	3	IonFocus	90.0
StepSize	0.10	EntLens	0.00
MassGain	-356	EntOffs	VAR
MassOffs	4	Filament	2

PFTBA OPEN

Scan: 10.00 - 700.00 Samples: 8 Thresh: 100
194 peaks Base: 69.00 Abundance: 1777152



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	1777152	100.00	70.00	20472	1.15
218.95	645888	36.34	219.95	27384	4.24
502.00	18968	1.07	502.90	1882	9.92

b. Blank Data

Arranged in chronological order, by extraction date.

- Tabulated Results (Form I SV)

- Chromatogram and quantitation report.

- Target compound spectra with lab-generated standard spectra.

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005180
Client Sample ID: SBLKDW

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0060119-BLK1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0060119-BLK1B70
Analyst: TD

% Moisture: _____ decanted: (Y/N) ___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060119-BLK1

Date Extracted: 06/01/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

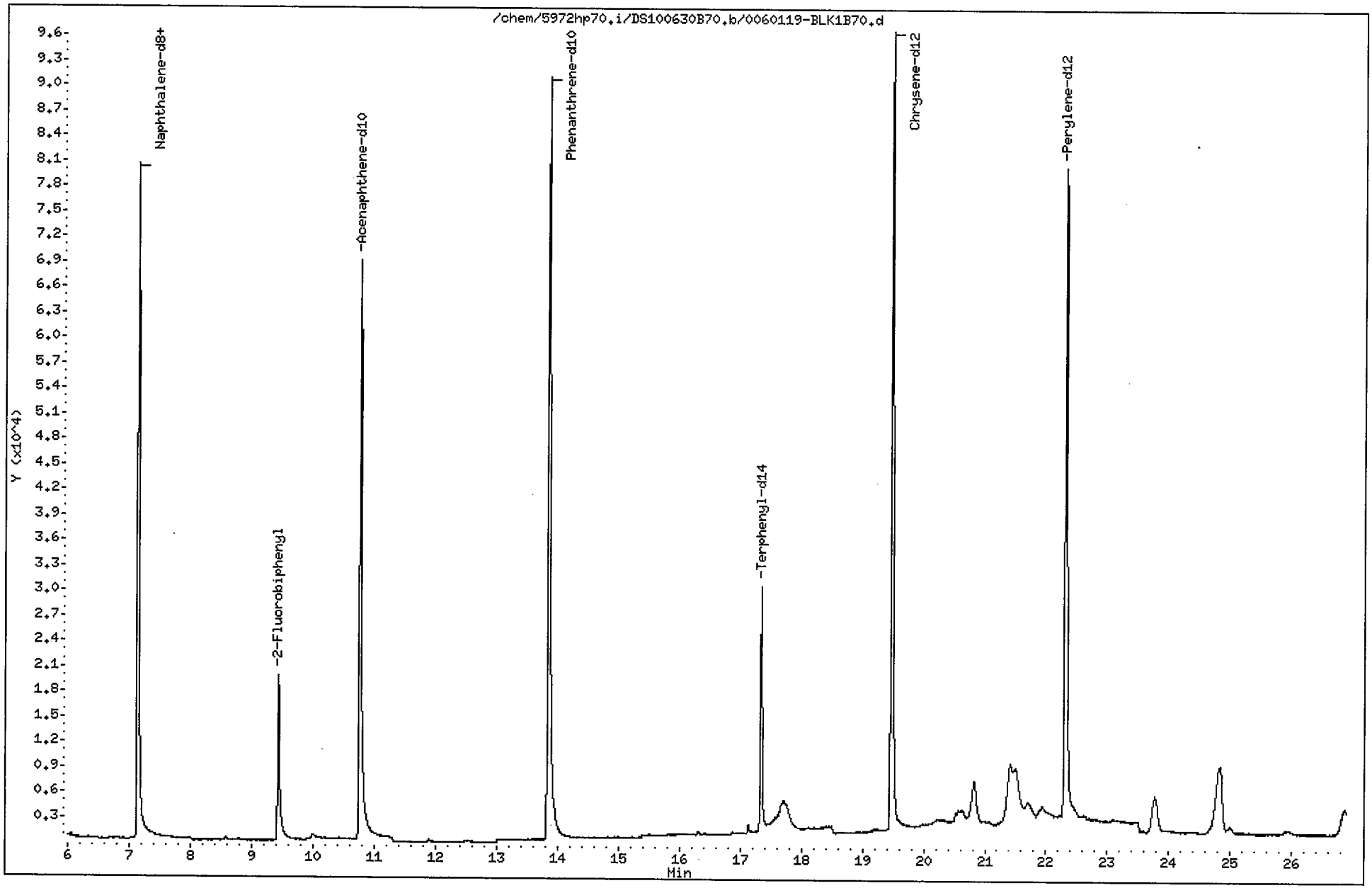
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	0.77	J
91-57-6	2-Methylnaphthalene	0.68	8.3	ND	U
208-96-8	Acenaphthylene	0.53	8.3	ND	U
83-32-9	Acenaphthene	0.60	8.3	ND	U
86-73-7	Fluorene	0.45	8.3	ND	U
85-01-8	Phenanthrene	1.3	8.3	ND	U
120-12-7	Anthracene	0.43	8.3	ND	U
206-44-0	Fluoranthene	1.3	8.3	ND	U
129-00-0	Pyrene	0.57	8.3	ND	U
56-55-3	Benzo(a)anthracene	0.57	8.3	ND	U
218-01-9	Chrysene	0.63	8.3	ND	U
205-99-2	Benzo(b)fluoranthene	0.57	8.3	ND	U
207-08-9	Benzo(k)fluoranthene	0.43	8.3	ND	U
50-32-8	Benzo(a)pyrene	0.38	8.3	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	ND	U
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100630B70.b/0060119-BLK1B70.d
Date : 01-JUL-2010 07:58
Client ID: SBLKDW
Sample Info: 0060119-BLK1:TD
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: TD
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630B70.b/0060119-BLK1B70.d
Report Date: 02-Jul-2010 12:16

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630B70.b/0060119-BLK1B70.d
Lab Smp Id: 0060119-BLK1 Client Smp ID: SBLKDW
Inj Date : 01-JUL-2010 07:58
Operator : TD Inst ID: 5972hp70.i
Smp Info : 0060119-BLK1:TD
Misc Info : SBLKDW
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630B70.b/SIM_8270Cv3DOD.m
Meth Date : 02-Jul-2010 12:02 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 13 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
* 1 1,4-Dichlorobenzene-d4	152	4.841	4.823	(1.000)	37176	2.00000		(a)
* 2 Naphthalene-d8	136	7.138	7.130	(1.000)	138469	2.00000		(a)
* 3 Acenaphthene-d10	164	10.764	10.757	(1.000)	86076	2.00000		(a)
* 4 Phenanthrene-d10	188	13.845	13.831	(1.000)	182035	2.00000		(a)
* 5 Chrysene-d12	240	19.472	19.458	(1.000)	169838	2.00000		(a)
* 6 Perylene-d12	264	22.309	22.295	(1.000)	168369	2.00000		(a)
$ 9 Nitrobenzene-d5	82	5.864	5.855	(0.821)	28504	0.63612	11	
$ 10 2-Fluorobiphenyl	172	9.433	9.428	(0.876)	36359	0.61291	10	
$ 12 Terphenyl-d14	244	17.336	17.331	(0.890)	43137	0.71354	12	
13 Naphthalene	128	7.169	7.161	(1.004)	4063	0.04595	0.77	(a)
15 2-Methylnaphthalene	141	Compound Not Detected.						
17 Acenaphthylene	152	Compound Not Detected.						
18 Acenaphthene	154	Compound Not Detected.						

7/2/10

Data File: /chem/5972hp70.i/DS100630B70.b/0060119-BLK1B70.d
Report Date: 02-Jul-2010 12:16

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /chem/5972hp70.i/DS100630B70.b/0060119-BLK1B70.d

Date : 01-JUL-2010 07:58

Client ID: SBLKDW

Instrument: 5972hp70.i

Sample Info: 0060119-BLK1:TD

Volume Injected (uL): 2.0

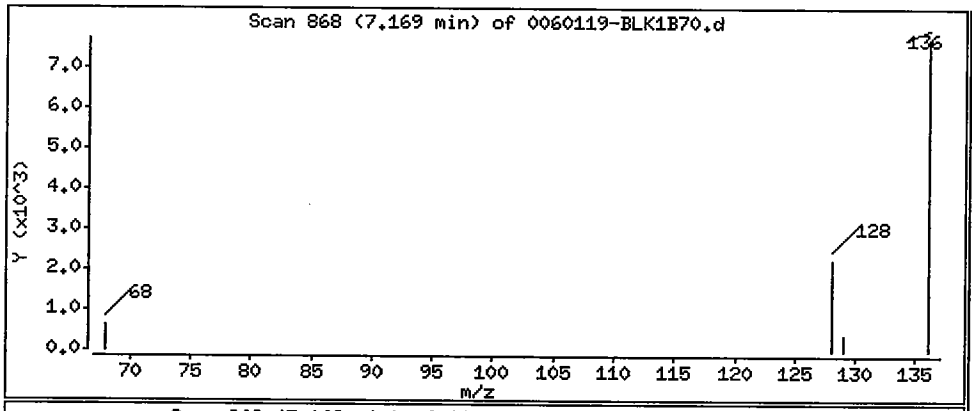
Operator: TD

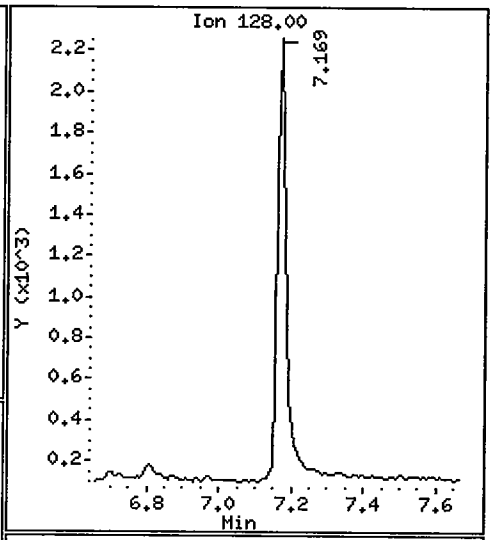
Column phase: Rtx-5MS

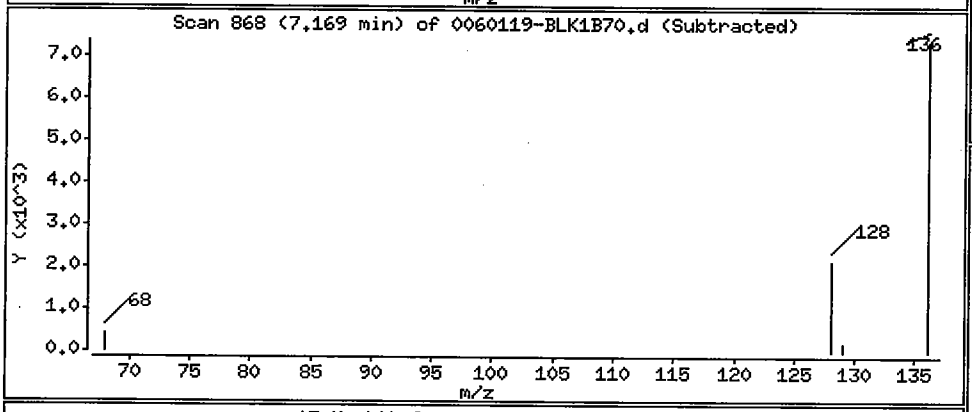
Column diameter: 0.32

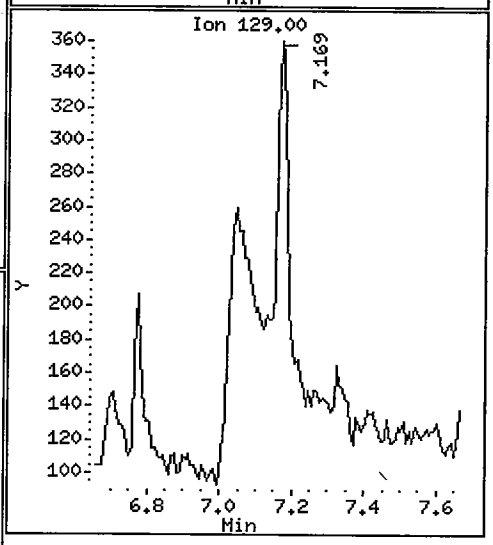
13 Naphthalene

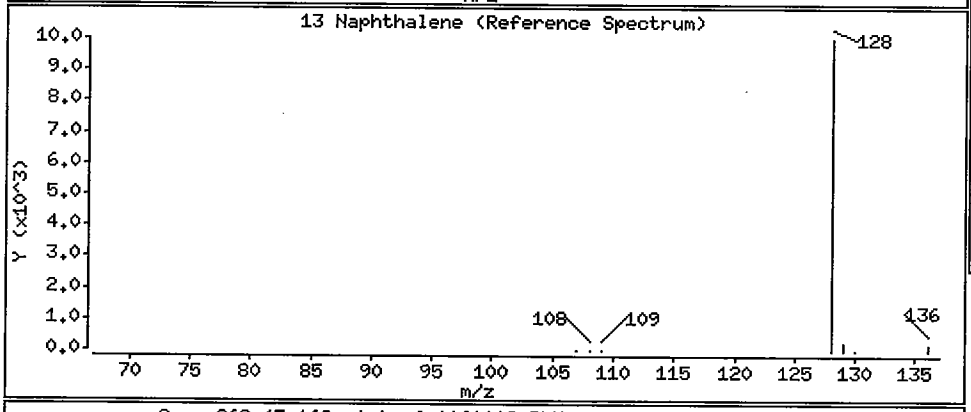
Concentration: 0.77 ug/Kg

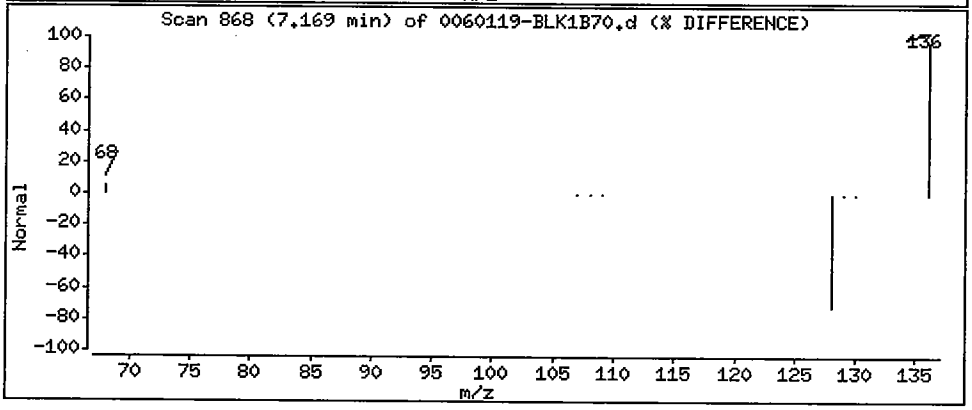












EXTRACTION WORKSHEET

Low Level Soil S-V Method 3550B for 8270C

CompuChem

176 SIM

ASSIGNED TO: T.Williams/A.LAICE

EMP ID NUMBER: 1289 / 2728

DATE/TIME EXTRACTED: 6-1-10 1550

BATCH NO. 0060119

	COMPUCHEM SAMPLE NUMBER	CLIENT SAMPLE ID	QC SAMPLE TYPE	SAMPLE WEIGHT (g)	FINAL VOLUME (ml)	COMMENTS 6-2-10
1	0060119-BLK1	SBLKDW	MB	30.0	1.0	
2	0060119-BS1	SDWLCS	LCS	30.0	1.0	
3	0060119-BSD1	SDWLCSD	LCSD	30.0	1.0	GPC (3640A) PERFORMED Y / N
4	1005129-16RE	SB59-9-10	SAMPLE	30.0	1.0	
5	1005132-12RE	SB86-3-4	SAMPLE	30.0	1.0	
6	1005180-01	SS41-0-1	SAMPLE	30.0	1.0	
7	1005180-02	SB41-1-2	SAMPLE	30.0	1.0	
8	1005180-03	SS35-0-1	SAMPLE	30.0	1.0	
9	1005180-04	SB35-2-3	SAMPLE	30.0	1.0	
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						

VG 6-2-10

VG 6-2-10

VG 6-2-10

		VOL	Other
SURROGATE	NO.	DIL. 393	
	AMT.	0.5 ml	
	LOT	OE20026	
SPIKE	NO.		SIM VALID. SPK
	AMT.		0.5 mL
	LOT		030810-05

FINAL VOLUME VERIFIED: VG

REVIEWED BY: MC

SURROGATE & SPIKE ADDED BY: TMW, 6-1-10
Initials Date

Witness AM, 6-1-10
Initials Date

Analyst initials. Extracted TMW KD BFP N2 ML Bottle up VG/ML

Balance ID: CHEM15-E900

VG 6-2-10

Manufacturer and lot number of reagents/solvents used 50/50 CH_2Cl_2/CH_3COCH_3-ZXB-652-4, Na_2SO_4-ZXB-652-3

12/29/09: RM

c. Laboratory Control Sample Data

Arranged in chronological order, by extraction date.

- Tabulated Results (Form I SV)

- Chromatogram and quantitation report

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005180
Client Sample ID: SDWLCS

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0060119-BS1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0060119-BS1B70
Analyst: TD

% Moisture: 0 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060119-BLK1

Date Extracted: 06/01/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

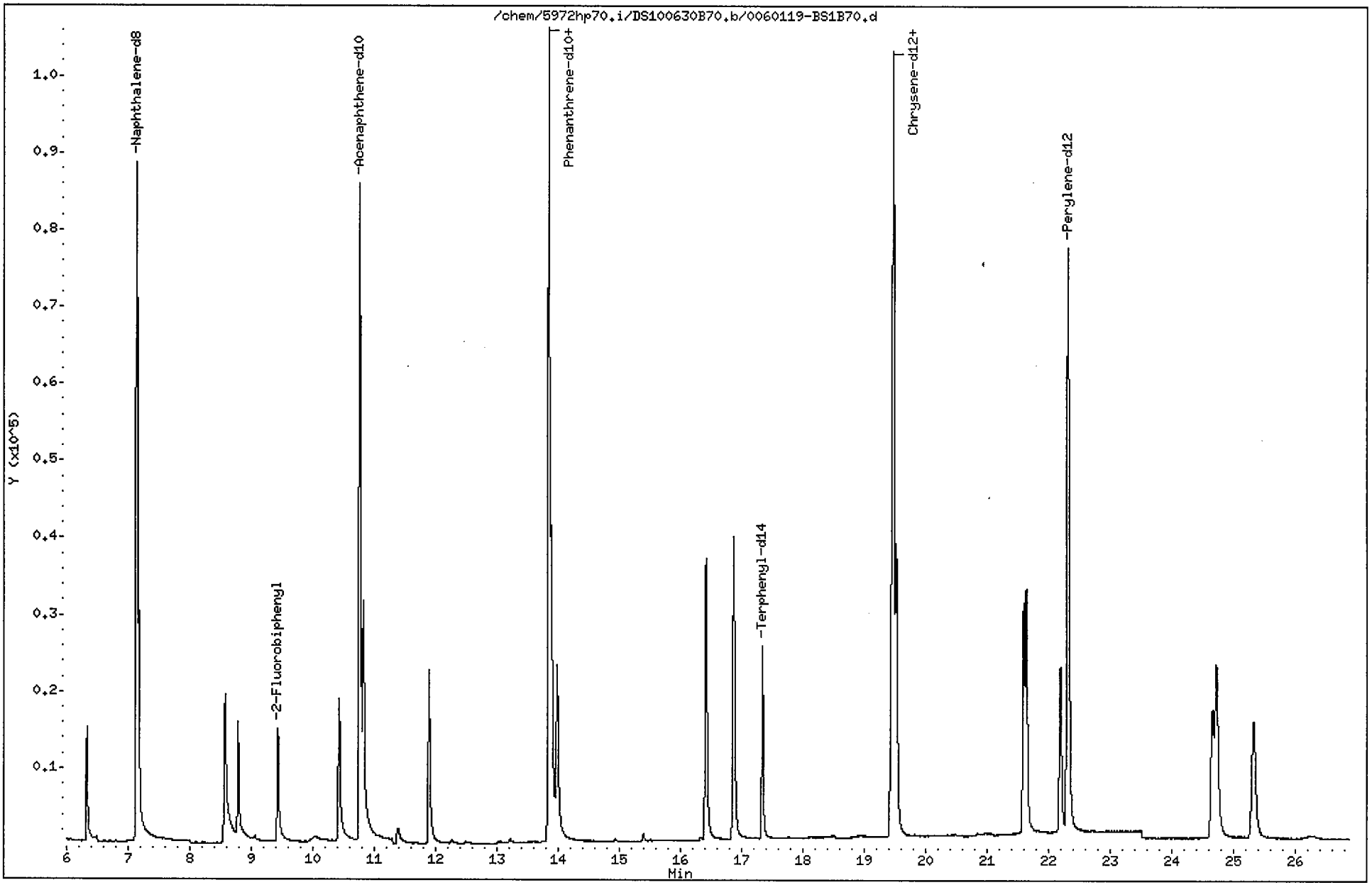
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	6.0	JB
91-57-6	2-Methylnaphthalene	0.68	8.3	7.1	J
208-96-8	Acenaphthylene	0.53	8.3	6.2	J
83-32-9	Acenaphthene	0.60	8.3	5.9	J
86-73-7	Fluorene	0.45	8.3	6.2	J
85-01-8	Phenanthrene	1.3	8.3	7.5	J
120-12-7	Anthracene	0.43	8.3	8.0	J
206-44-0	Fluoranthene	1.3	8.3	9.7	
129-00-0	Pyrene	0.57	8.3	8.8	
56-55-3	Benzo(a)anthracene	0.57	8.3	10	
218-01-9	Chrysene	0.63	8.3	9.4	
205-99-2	Benzo(b)fluoranthene	0.57	8.3	8.6	
207-08-9	Benzo(k)fluoranthene	0.43	8.3	9.1	
50-32-8	Benzo(a)pyrene	0.38	8.3	8.3	
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	12	
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	9.4	
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	8.8	

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100630B70.b/0060119-BS1B70.d
Date : 01-JUL-2010 08:34
Client ID: SDWLCS
Sample Info: 0060119-BS1:TD
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: TD
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630B70.b/0060119-BS1B70.d
Report Date: 02-Jul-2010 13:32

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630B70.b/0060119-BS1B70.d
Lab Smp Id: 0060119-BS1 Client Smp ID: SDWLCS
Inj Date : 01-JUL-2010 08:34
Operator : TD Inst ID: 5972hp70.i
Smp Info : 0060119-BS1:TD
Misc Info : SDWLCS
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630B70.b/SIM_8270Cv3DOD.m
Meth Date : 02-Jul-2010 13:31 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 14 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	4.839	4.823	(1.000)	41453	2.00000	(a)
* 2 Naphthalene-d8	136	7.137	7.130	(1.000)	154516	2.00000	(a)
* 3 Acenaphthene-d10	164	10.756	10.757	(1.000)	98516	2.00000	(a)
* 4 Phenanthrene-d10	188	13.842	13.831	(1.000)	201686	2.00000	(a)
* 5 Chrysene-d12	240	19.471	19.458	(1.000)	171226	2.00000	(a)
* 6 Perylene-d12	264	22.309	22.295	(1.000)	169813	2.00000	(a)
$ 9 Nitrobenzene-d5	82	5.863	5.855	(0.821)	18971	0.37940	6.3(H)
$ 10 2-Fluorobiphenyl	172	9.432	9.428	(0.877)	25233	0.37164	6.2(R)
$ 12 Terphenyl-d14	244	17.339	17.331	(0.891)	38433	0.63058	11
13 Naphthalene	128	7.168	7.161	(1.004)	35795	0.36277	6.0(aR)
15 2-Methylnaphthalene	141	8.568	8.564	(1.200)	19766	0.42505	7.1(aR)
17 Acenaphthylene	152	10.421	10.422	(0.969)	34434	0.37048	6.2(aR)
18 Acenaphthene	154	10.822	10.816	(1.006)	20884	0.35410	5.9(aR)

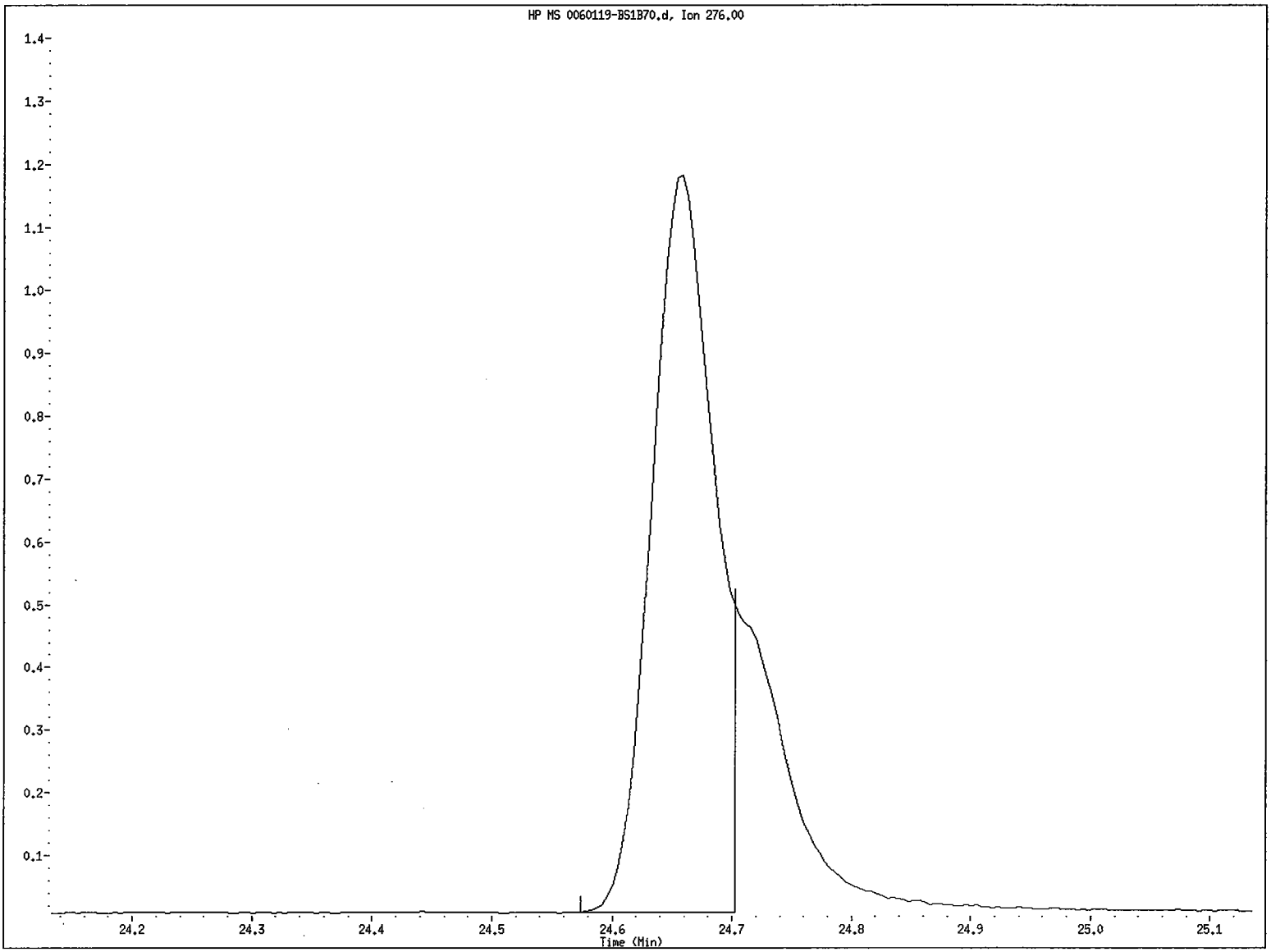
Data File: /chem/5972hp70.i/DS100630B70.b/0060119-BS1B70.d
Report Date: 02-Jul-2010 13:32

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	11.888	11.882	(1.105)	27380	0.36952	6.2(aR)
25 Phenanthrene	178	13.886	13.876	(1.003)	49439	0.44911	7.5(aR)
26 Anthracene	178	13.978	13.968	(1.010)	48536	0.48050	8.0(aR)
27 Fluoranthene	202	16.412	16.404	(1.186)	62687	0.57993	9.7
28 Pyrene	202	16.867	16.854	(0.866)	65238	0.52721	8.8
29 Benzo(a)anthracene	228	19.436	19.428	(0.998)	55297	0.61335	10
30 Chrysene	228	19.520	19.511	(1.002)	60368	0.56247	9.4
31 Benzo(b)fluoranthene	252	21.590	21.576	(0.968)	51459	0.51784	8.6
32 Benzo(k)fluoranthene	252	21.635	21.620	(0.970)	67009	0.54518	9.1
33 Benzo(a)pyrene	252	22.190	22.172	(0.995)	46494	0.49532	8.3(R)
34 Indeno(1,2,3-cd)pyrene	276	24.658	24.635	(1.105)	42716	0.70426	12(M)
35 Dibenzo(a,h)anthracene	278	24.724	24.701	(1.108)	46698	0.56256	9.4
36 Benzo(g,h,i)perylene	276	25.325	25.292	(1.135)	48310	0.52651	8.8

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

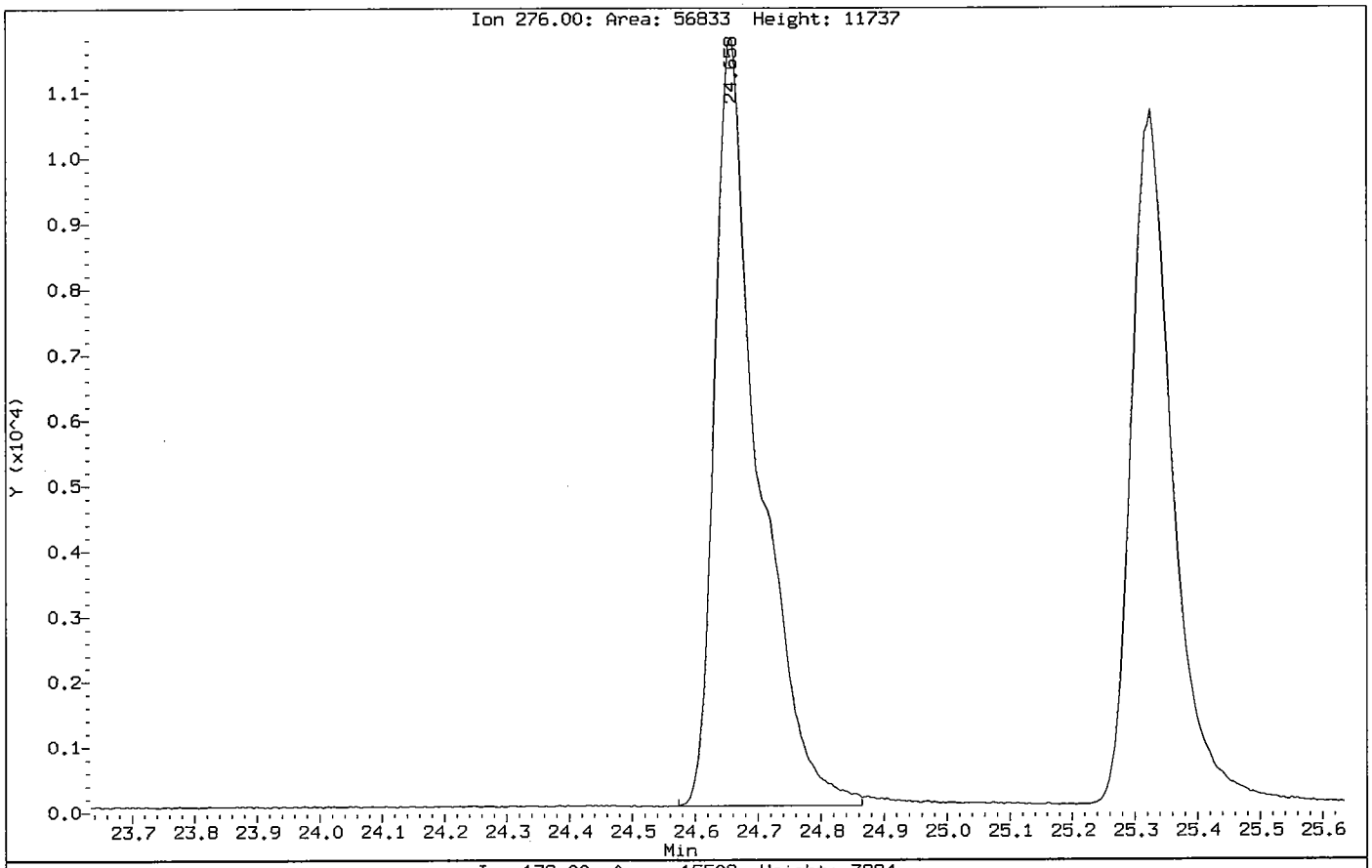
Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 42716 Manually integrated

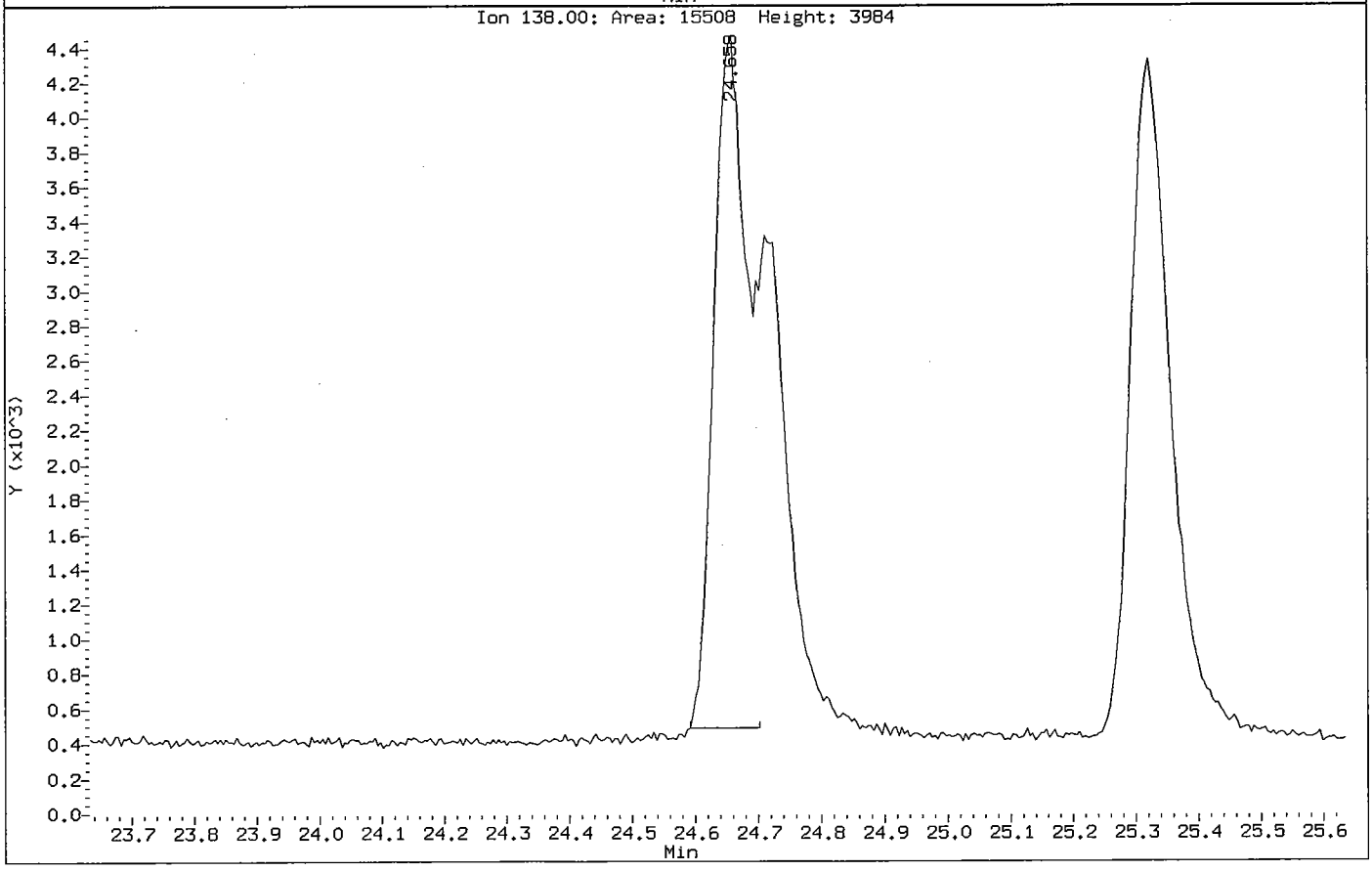


File name: /chem/5972hp70.i/DS100630B70.b/0060119-BS1B70.d
Client ID: SDWLCS
Instrument ID: 5972hp70.i
Injection Date and Time: 01-JUL-2010 08:34
Retention Time: 24.66
Operator ID: TD

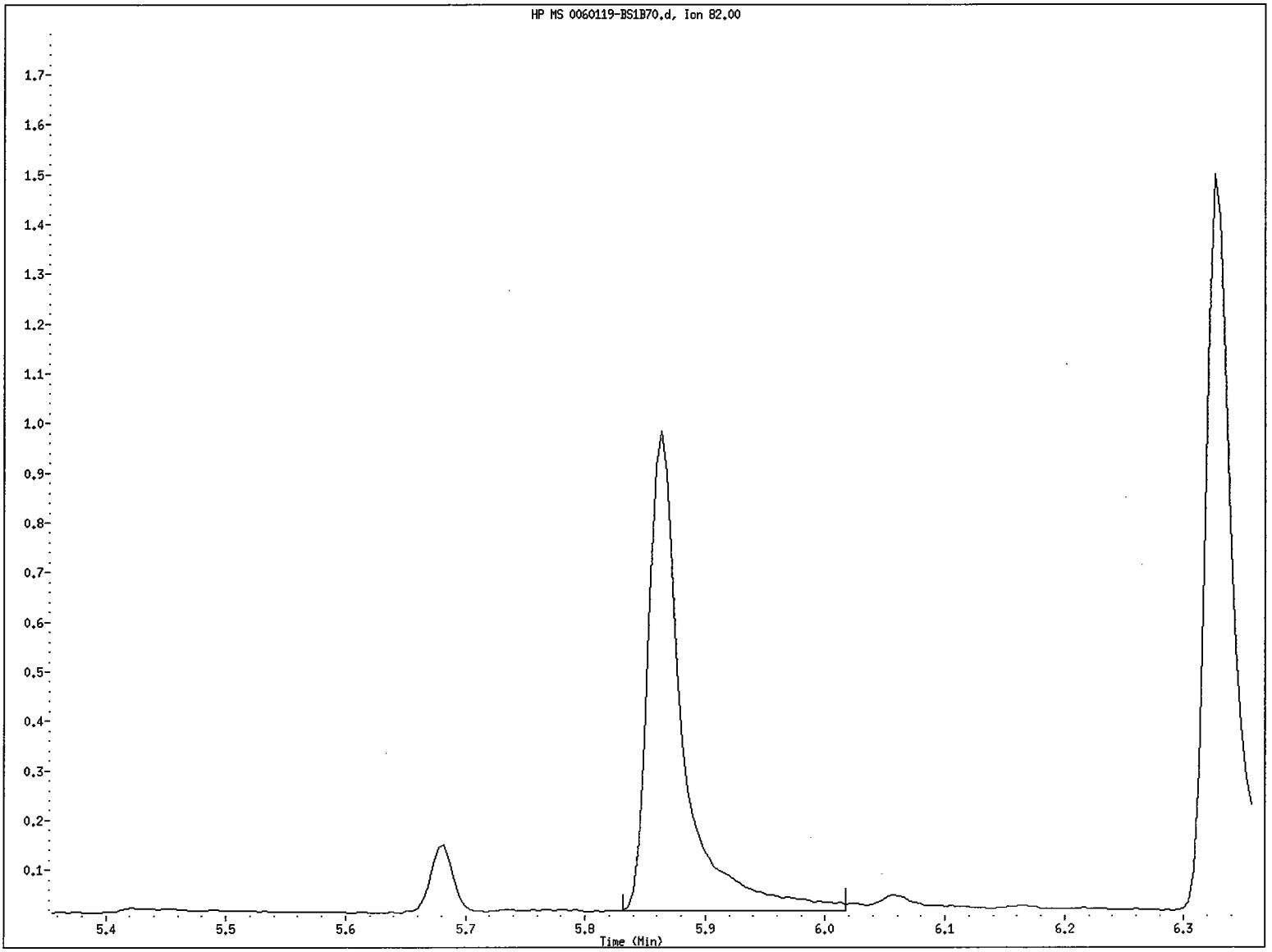
Data File: /chem/5972hp70.i/DS100630B70.b/0060119-BS1B70.d
Injection Date: 01-JUL-2010 08:34
Instrument: 5972hp70.i
Client Sample ID: SDWLCS

Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





Nitrobenzene-d5 CAS Number 4165-60-0 Area = 18971 User selected hit



File name: /chem/5972hp70.i/DS100630B70.b/0060119-BS1B70.d
Client ID: SDWLCS
Instrument ID: 5972hp70.i
Injection Date and Time: 01-JUL-2010 08:34
Retention Time: 5.86
Operator ID: TD

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005180
Client Sample ID: SDWLCSD

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0060119-BSD1
Sample wt/vol: 30.0 (g/mL) G
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0060119-BSD1B70
Analyst: TD

% Moisture: 0 decanted: (Y/N) N
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0060119-BLK1

Date Extracted: 06/01/10
Date Analyzed: 07/01/10
Dilution Factor: 1.0

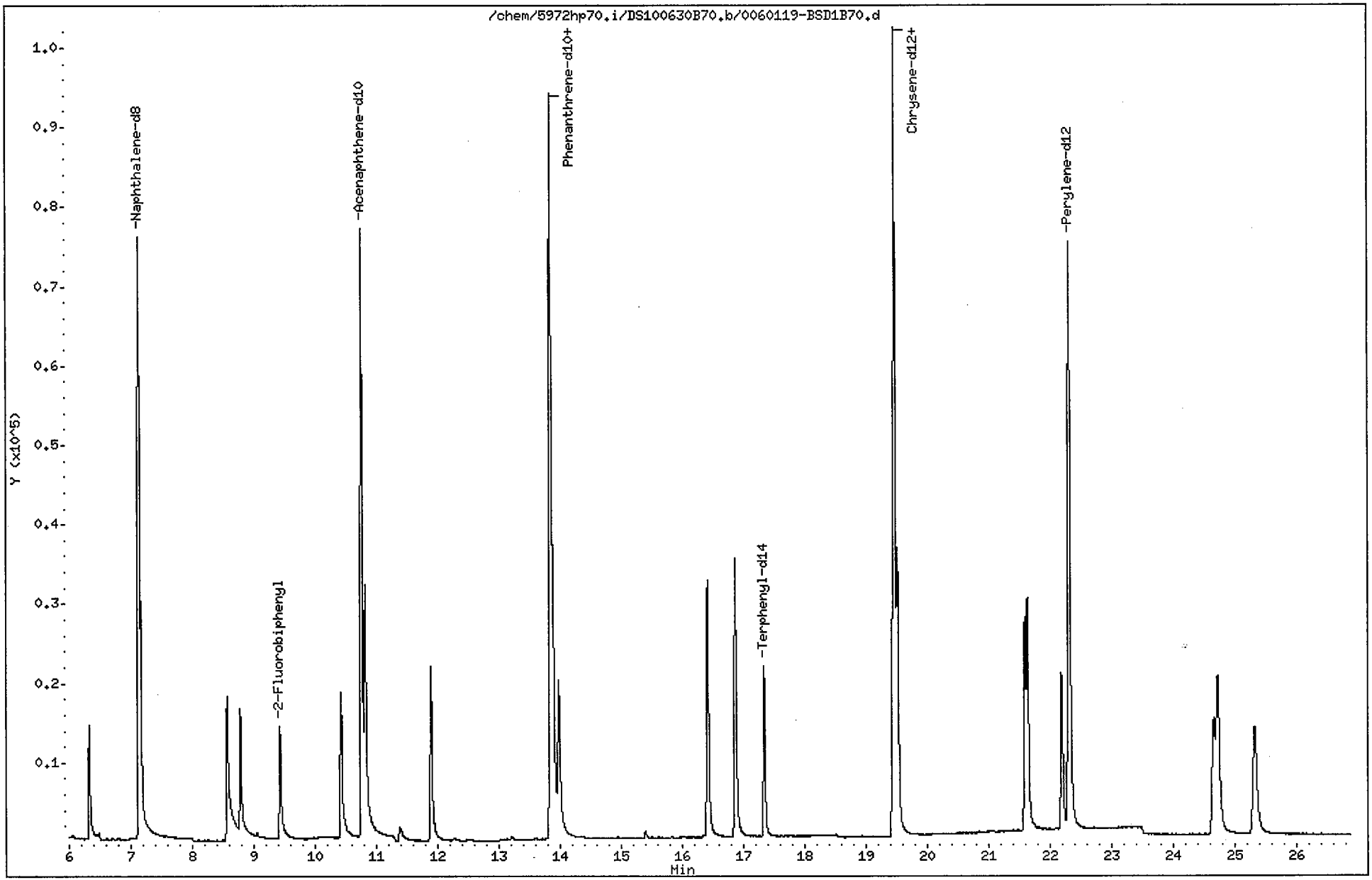
CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
91-20-3	Naphthalene	0.72	8.3	7.3	JB
91-57-6	2-Methylnaphthalene	0.68	8.3	7.8	J
208-96-8	Acenaphthylene	0.53	8.3	7.1	J
83-32-9	Acenaphthene	0.60	8.3	6.8	J
86-73-7	Fluorene	0.45	8.3	7.0	J
85-01-8	Phenanthrene	1.3	8.3	7.1	J
120-12-7	Anthracene	0.43	8.3	7.9	J
206-44-0	Fluoranthene	1.3	8.3	9.4	
129-00-0	Pyrene	0.57	8.3	7.9	J
56-55-3	Benzo(a)anthracene	0.57	8.3	9.5	
218-01-9	Chrysene	0.63	8.3	8.9	
205-99-2	Benzo(b)fluoranthene	0.57	8.3	8.1	J
207-08-9	Benzo(k)fluoranthene	0.43	8.3	8.8	
50-32-8	Benzo(a)pyrene	0.38	8.3	8.0	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	8.3	11	
53-70-3	Dibenzo(a,h)anthracene	0.33	8.3	8.9	
191-24-2	Benzo(g,h,i)perylene	0.38	8.3	8.3	

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp70.i/DS100630B70.b/0060119-BSD1B70.d
Date : 01-JUL-2010 09:09
Client ID: SDWLCSD
Sample Info: 0060119-BSD1:TD
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp70.i
Operator: TD
Column diameter: 0.32



Data File: /chem/5972hp70.i/DS100630B70.b/0060119-BSD1B70.d
Report Date: 02-Jul-2010 13:32

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp70.i/DS100630B70.b/0060119-BSD1B70.d
Lab Smp Id: 0060119-BSD1 Client Smp ID: SDWLCSD
Inj Date : 01-JUL-2010 09:09
Operator : TD Inst ID: 5972hp70.i
Smp Info : 0060119-BSD1:TD
Misc Info : SDWLCSD
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp70.i/DS100630B70.b/SIM_8270Cv3DOD.m
Meth Date : 02-Jul-2010 13:31 byrd Quant Type: ISTD
Cal Date : 30-JUN-2010 15:33 Cal File: 0F30008-CAL5A70.d
Als bottle: 15 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
* 1 1,4-Dichlorobenzene-d4	152	4.836	4.823	(1.000)	36484	2.00000		(a)
* 2 Naphthalene-d8	136	7.137	7.130	(1.000)	139354	2.00000		(a)
* 3 Acenaphthene-d10	164	10.757	10.757	(1.000)	86992	2.00000		(a)
* 4 Phenanthrene-d10	188	13.845	13.831	(1.000)	186132	2.00000		(a)
* 5 Chrysene-d12	240	19.467	19.458	(1.000)	171100	2.00000		(a)
* 6 Perylene-d12	264	22.310	22.295	(1.000)	166649	2.00000		(a)
$ 9 Nitrobenzene-d5	82	5.860	5.855	(0.821)	19400	0.43020	7.2	
$ 10 2-Fluorobiphenyl	172	9.432	9.428	(0.877)	26435	0.44092	7.3	(R)
$ 12 Terphenyl-d14	244	17.339	17.331	(0.891)	33941	0.55728	9.3	
13 Naphthalene	128	7.168	7.161	(1.004)	38951	0.43770	7.3	(a)
15 2-Methylnaphthalene	141	8.568	8.564	(1.200)	19687	0.46942	7.8	(a)
17 Acenaphthylene	152	10.422	10.422	(0.969)	34942	0.42575	7.1	(aR)
18 Acenaphthene	154	10.822	10.816	(1.006)	21171	0.40651	6.8	(aR)

Data File: /chem/5972hp70.i/DS100630B70.b/0060119-BSD1B70.d
Report Date: 02-Jul-2010 13:32

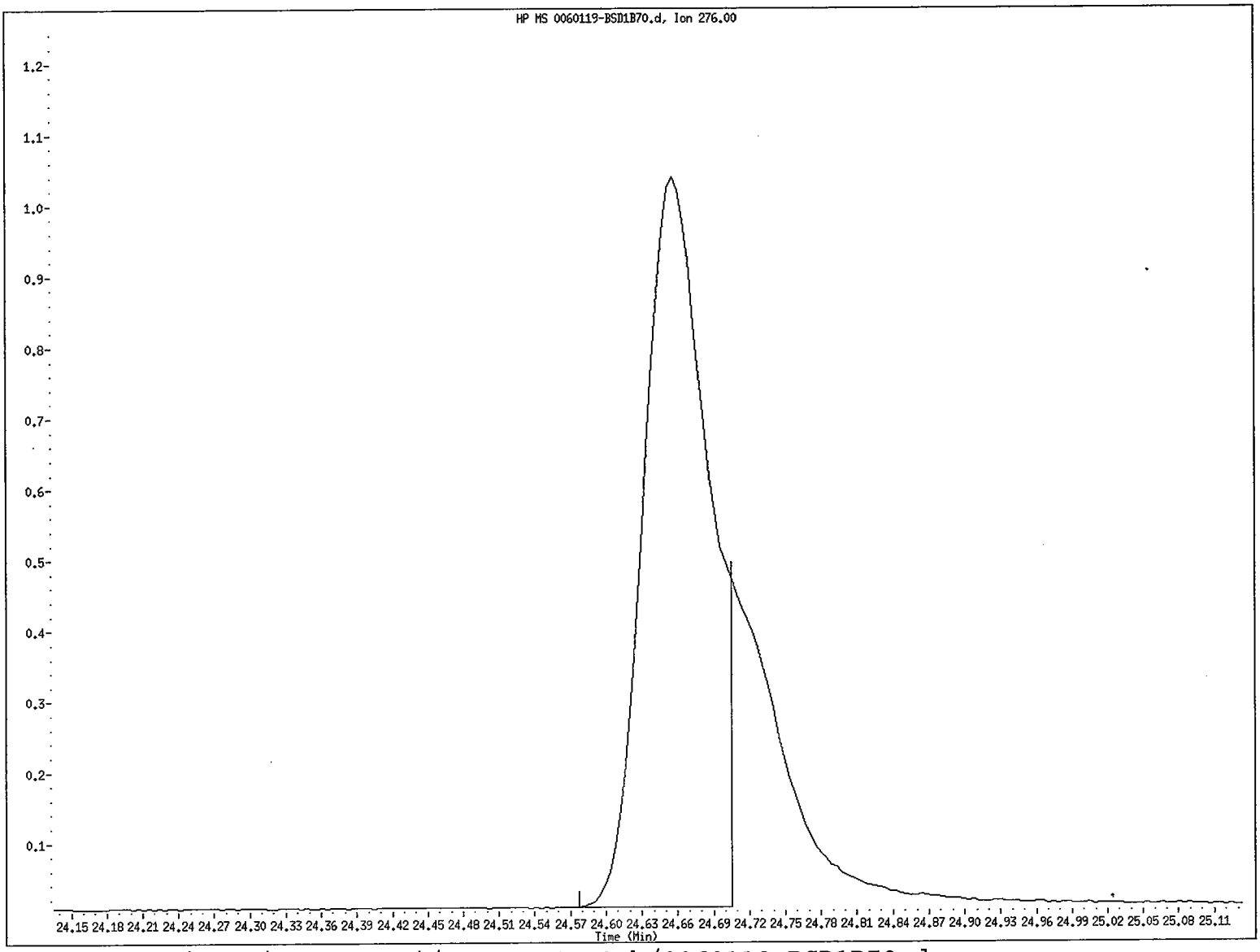
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
21 Fluorene	166	11.890	11.882	(1.105)	27301	0.41726	7.0(aR)
25 Phenanthrene	178	13.889	13.876	(1.003)	43332	0.42653	7.1(aR)
26 Anthracene	178	13.982	13.968	(1.010)	44288	0.47508	7.9(aR)
27 Fluoranthene	202	16.412	16.404	(1.185)	56010	0.56146	9.4
28 Pyrene	202	16.867	16.854	(0.866)	58463	0.47281	7.9(a)
29 Benzo(a)anthracene	228	19.436	19.428	(0.998)	51130	0.56755	9.5
30 Chrysene	228	19.520	19.511	(1.003)	57276	0.53406	8.9(R)
31 Benzo(b)fluoranthene	252	21.591	21.576	(0.968)	47453	0.48659	8.1(a)
32 Benzo(k)fluoranthene	252	21.635	21.620	(0.970)	63936	0.53006	8.8
33 Benzo(a)pyrene	252	22.186	22.172	(0.994)	44071	0.47842	8.0(aR)
34 Indeno(1,2,3-cd)pyrene	276	24.656	24.635	(1.105)	39214	0.67339	11(M)
35 Dibenzo(a,h)anthracene	278	24.727	24.701	(1.108)	43609	0.53532	8.9
36 Benzo(g,h,i)perylene	276	25.323	25.292	(1.135)	45058	0.50039	8.3

2 ppb

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

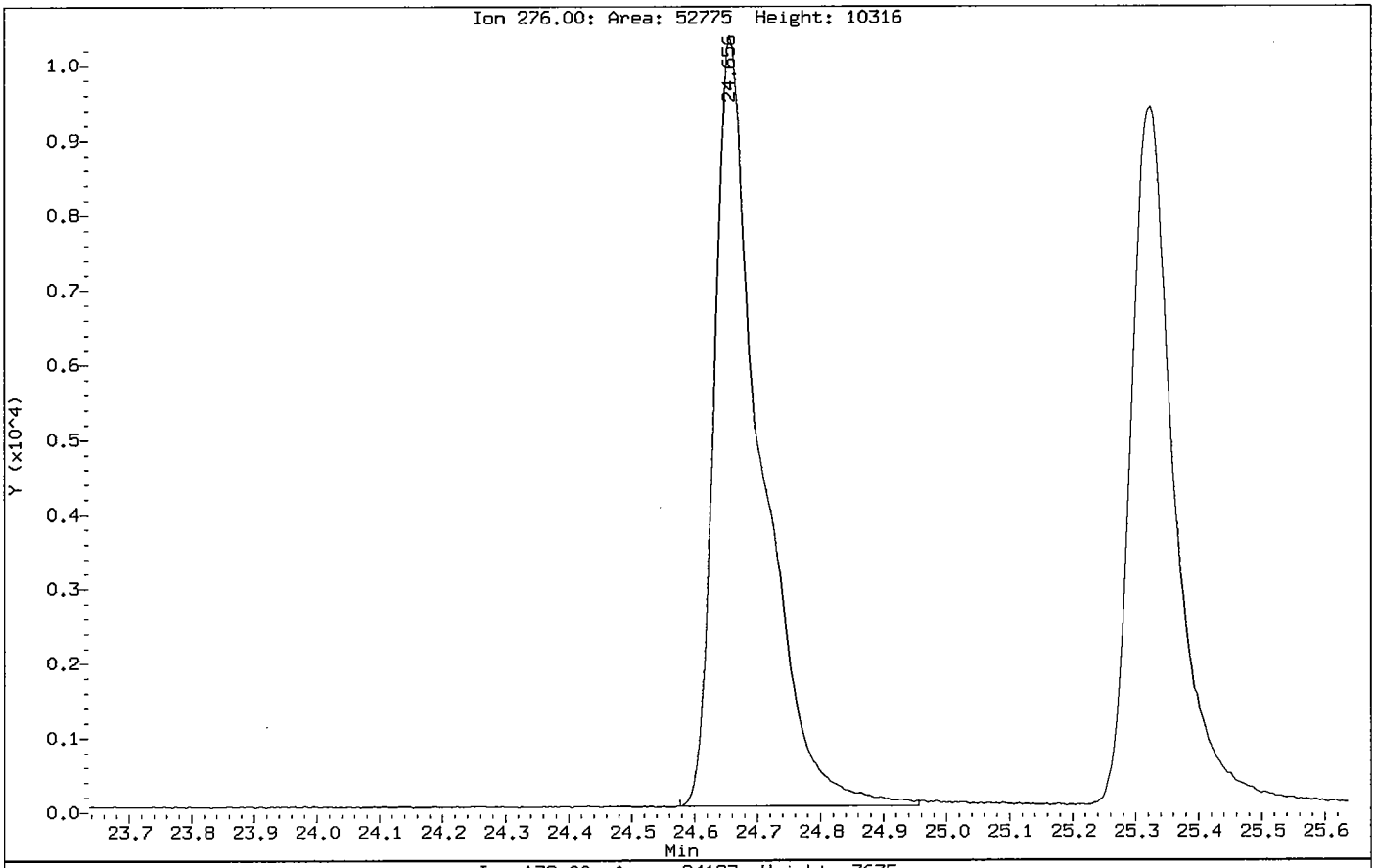
Indeno(1,2,3-cd)pyrene CAS Number 193-39-5 Area = 39214 Manually integrated

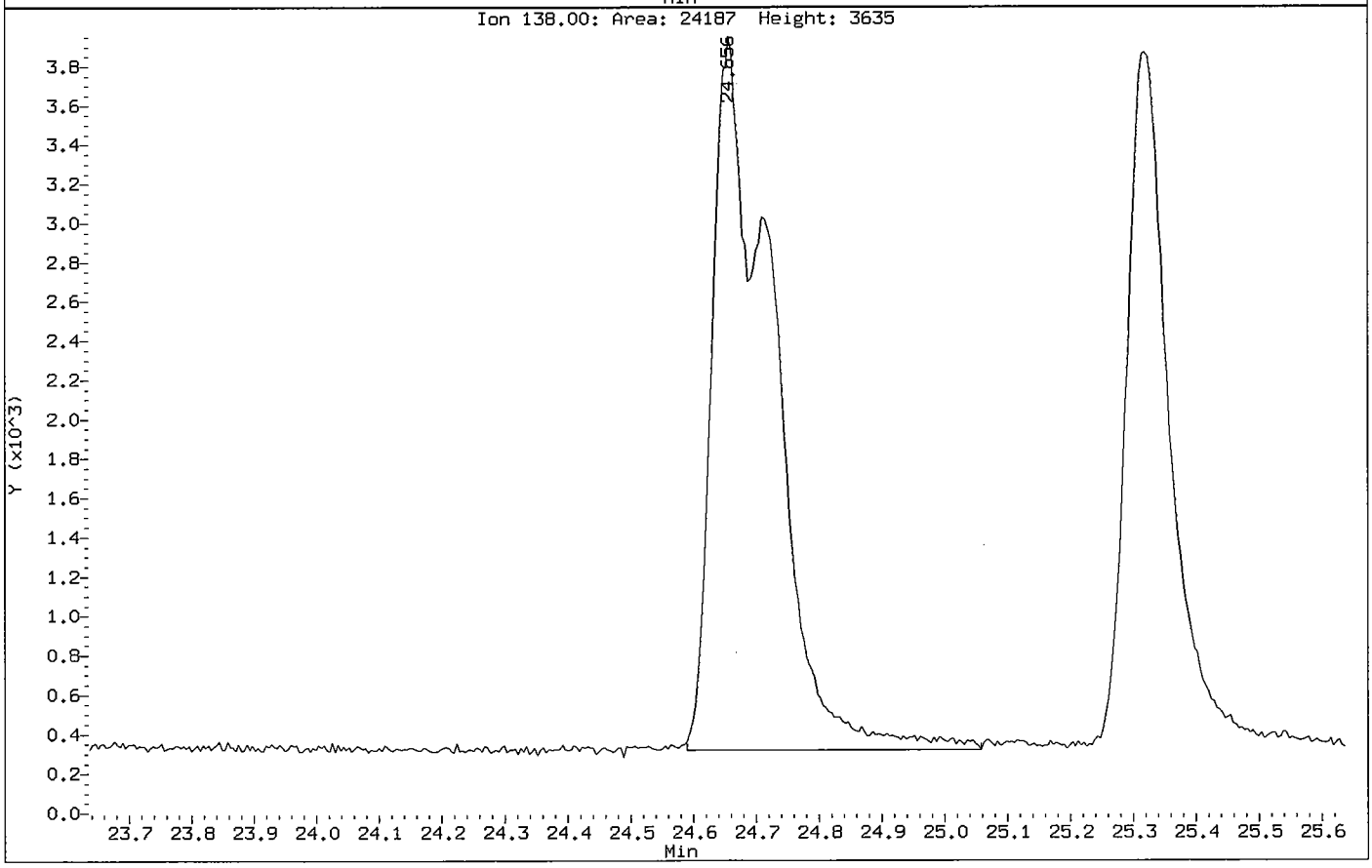


File name: /chem/5972hp70.i/DS100630B70.b/0060119-BSD1B70.d
Client ID: SDWLCSD
Instrument ID: 5972hp70.i
Injection Date and Time: 01-JUL-2010 09:09
Retention Time: 24.66
Operator ID: TD

Data File: /chem/5972hp70.i/DS100630B70.b/0060119-BSD1B70.d
Injection Date: 01-JUL-2010 09:09
Instrument: 5972hp70.i
Client Sample ID: SDWLCSD

Compound: Indeno(1,2,3-cd)pyrene
CAS Number: 193-39-5





d. Matrix Spike Data

- Tabulated Results (Form I SV)

- Chromatogram and quantitation report

e. Matrix Spike Duplicate Data

- Tabulated Results (Form I SV)

- Chromatogram and quantitation report

CompuChem
A Division Of
Liberty Analytical Corp.

6/16/2010

REBEKHA SHAW

CH2M HILL, INC.

P.O. BOX 241329

DENVER, CO 80224

Subject:
Report of Data - Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM
WorkOrder: 1005180

Attn. REBEKHA SHAW

Enclosed are the results of analytical work performed in accordance with the referenced account number. This report covers sample(s) appearing on the listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097

Sincerely,

Compuchem

a division of Liberty Analytical Corporation

Attachment

TOTAL NUMBER
OF PAGES ____

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

CompuChem
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Liberty Analytical Corp.

SDG NARRATIVE
SDG # 1005180

The 4 soil samples were received intact between 0.3C and 1.3C, with proper documentations, in sealed shipping containers, on May 21st, 2010. The samples were scheduled for the requested analyses of the Wet Chemistry fraction. The samples were analyzed, in accordance with current EPA methods, for the analytes requested as per the COC, with the exceptions and/or additions requested by the client.

SAMPLE IDs:
The cover page contained in this package lists the client ID's and the associated CompuChem numbers which are part of this SDG.

INSTRUMENTAL QUALITY CONTROL:
All calibration verification solutions (ICV & CCV), blanks (ICB, & CCB), associated with this data were confirmed to be within allowable limits.

SAMPLE PREPARATION QUALITY CONTROL:
The sample preparation procedure verifications (LCS & Blank) were found to be within acceptable ranges. All field samples were prepared and analyzed within the contract specified holding times.

MATRIX RELATED QUALITY CONTROL:
N/A

I certify that this Sample Data Package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy Sample Data Package and in the electronic data deliverable has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Preeti Khare
Data Reviewer I
June 17th, 2010

Organic Undecanted Dry Weight Worksheet

0060120

Procedure: 143/190

A. Lake — Employee

2728 — ID No

Temp in: 104°C

Temp out: 107°C

Date Assigned: 6-1-10

Date/Time in: 6-1-10 / 1630

Date/Time out: 6-3-10 / 1055

Lab Number	Client ID	Sample Type	Weight of Container (0.00g)	Weight of Container & Wet Sample (0.00g)	Weight of Container & Dry Sample (0.00g)
1005180-01	SS41-0-1	Sample	1.31	8.61	7.99
1005180-02	SB41-1-2	Sample	1.32	7.43	6.34
1005180-03	SS35-0-1	Sample	1.32	7.81	7.50
1005180-04	SB35-2-3	Sample	1.32	9.85	8.90

Entered into Element by: _____ 6-3-10 Date

2

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CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/16/2010 09:55

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS41-0-1	1005180-01	Soil	05/20/2010 15:20	05/21/2010 16:00
SB41-1-2	1005180-02	Soil	05/20/2010 15:25	05/21/2010 16:00
SS35-0-1	1005180-03	Soil	05/20/2010 16:50	05/21/2010 16:00
SB35-2-3	1005180-04	Soil	05/20/2010 17:00	05/21/2010 16:00

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Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/16/2010 09:55

SS41-0-1

1005180-01 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**2.60**		0.50	mg/kg	1	0060154	06/10/2010 12:23	06/10/2010 13:29	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	2.19	mg/kg dry	1	0060134	06/01/2010 11:01	06/11/2010 13:32	EPA 7196A
Trivalent Chromium	**2.60**		0.500	mg/kg	1	[CALC]	06/10/2010 12:23	06/11/2010 13:32	Calc

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Preeti Khare For Cathy Dover, Project Manager

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/16/2010 09:55

SB41-1-2

1005180-02 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**4.80**		0.50	mg/kg	1	0060154	06/10/2010 12:23	06/10/2010 13:29	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	2.43	mg/kg dry	1	0060134	06/01/2010 11:01	06/11/2010 13:32	EPA 7196A
Trivalent Chromium	**4.80**		0.500	mg/kg	1	[CALC]	06/10/2010 12:23	06/11/2010 13:32	Calc

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/16/2010 09:55

SS35-0-1

1005180-03 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**2.30**		0.50	mg/kg	1	0060154	06/10/2010 12:23	06/10/2010 13:29	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	2.10	mg/kg dry	1	0060134	06/01/2010 11:01	06/11/2010 13:32	EPA 7196A
Trivalent Chromium	**2.30**		0.500	mg/kg	1	[CALC]	06/10/2010 12:23	06/11/2010 13:32	Calc

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/16/2010 09:55

SB35-2-3
1005180-04 (Soil)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
Metals									
Chromium	**2.00**		0.50	mg/kg	1	0060154	06/10/2010 12:23	06/10/2010 13:29	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	2.25	mg/kg dry	1	0060134	06/01/2010 11:01	06/11/2010 13:32	EPA 7196A
Trivalent Chromium	**2.00**		0.500	mg/kg	1	[CALC]	06/10/2010 12:23	06/11/2010 13:32	Calc

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/16/2010 09:55

WET CHEMISTRY PARAMETERS - Quality Control

COMPUCHEM

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0060134 - Default Prep GenChem										
Blank (0060134-BLK1)				Prepared: 06/01/2010 11:01 Analyzed: 06/11/2010 13:32						
Hexavalent Chromium	ND	2.00	mg/kg wet							
LCS (0060134-BS1)				Prepared: 06/01/2010 11:01 Analyzed: 06/11/2010 13:32						
Hexavalent Chromium	225	10.0	mg/kg wet	240.0		93.7	25-175			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Preeti Khare For Cathy Dover, Project Manager

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/16/2010 09:55

Notes and Definitions

U	The compound was analyzed for but not detected (CLP U-flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Default Report (not modified)
			VERSION 6.01:4045
	HEXAVALENT CHROMIU	(SOIL)	Result calculations based on MDL
	HEXAVALENT CHROMIU	(SOIL)	Special Units: (mg/kg)
	Total Cr by Metals	(Soil)	Result calculations based on MDL
	Total Cr by Metals	(Soil)	Special Units: (mg/kg)
	TRIVALENT CHROMIUM	(Soil)	B-Flags used
	TRIVALENT CHROMIUM	(Soil)	D-Flags used
	TRIVALENT CHROMIUM	(Soil)	J-Flags used
	TRIVALENT CHROMIUM	(Soil)	Result calculations based on MDL
	TRIVALENT CHROMIUM	(Soil)	U-Flags used

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Liberty Analytical Corp

Hexavalent Chromium-METHOD 3060A/7196A

Initial Calibration Log

Analyst: JM

Analysis Date: 6-11-10

Work Order(s): 1005100

Calibration Data		
Absorbance Reading	Theoretical Concentration (mg/L)	Calculated Concentration (mg/L)
0.000	0	-0.00097
0.030	0.05	0.01817
0.060	0.1	0.03731
0.250	0.4	0.15852
0.649	1	0.41308
1.270	2	0.80926

Regression Output	
Constant	-0.000970975
Correlation Coeff.	0.999921519
No. of Observations	5
Degrees of Freedom	4
X Coefficient(s)	0.637979113

Analytical Sequence Log				
Compuchem Sample ID	Final Absorbance ample - backgour	Calculated Concentration (mg/L)	Calculated Concentration (mg/kg)	Comments
ICV	0.652	1.0235	40.9400	
PB	0.000	0.0015	0.0609	
LCS 5X	0.720	1.1301	45.2034	over/ see dilution
515701	0.034	0.0548	2.1926	
MS	0.670	1.0517	42.0685	
MSD	0.674	1.0580	42.3193	
515702	0.002	0.0047	0.1863	
515703	0.000	0.0015	0.0609	
515704	0.000	0.0015	0.0609	
515705	0.000	0.0015	0.0609	
515706	0.000	0.0015	0.0609	
CCV	0.249	0.3918	15.6727	
CCB	0.000	0.0015	0.0609	
515707	0.000	0.0015	0.0609	
515708	0.010	0.0172	0.6879	
515709	0.038	0.0611	2.4434	
515710	0.000	0.0015	0.0609	
515711	-0.010	-0.0142	-0.5661	
515712	-0.001	0.0000	-0.0018	
515713	0.000	0.0015	0.0609	
515714	0.000	0.0017	0.0671	
515715	0.000	0.0015	0.0609	
515716	0.000	0.0015	0.0609	
CCV	0.250	0.3934	15.7354	
CCB	0.000	0.0015	0.0609	
515717	0.030	0.0485	1.9418	
515718	0.069	0.1097	4.3870	
CCV	0.248	0.3902	15.6100	
CCB	0.000	0.0015	0.0609	
PB	0.000	0.0015	0.0609	
LCS5X	0.716	1.1238	44.9526	
518001	0.000	0.0015	0.0609	
518002	0.000	0.0015	0.0609	

1005160

Reviewed by: [signature]

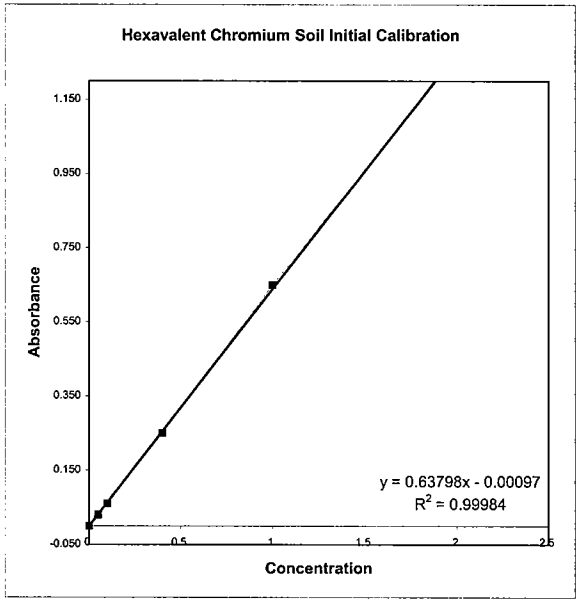
Date: 6-14-10

CompuChem
a Division Of
Liberty Analytical Corp

Hexavalent Chromium-METHOD 3060A/7196A

Initial Calibration Log

518003	0.000	0.0015	0.0609	
518004	0.000	0.0015	0.0609	
CCV	0.247	0.3887	15.5473	
CCB	0.000	0.0015	0.0609	



Reviewed by:

Date: 6-14-10

Reagents/Standards Preparation Log for Hexavalent Chromium

CompuChem a division of Liberty Analytical Corp.1 UUUU

NAME	PREPARATION INSTRUCTIONS	PREPARED BY	DATE
Cr (VI) Digestion Solution NaOH Ref# 1u(6)1-13-28 Na_2CO_3 Ref# 1u(6)1-13-24	Place in a 1L volumetric flask: 20 g of NaOH 30 g of Na_2CO_3 Dilute to the volume with reagent water. Place solution in a Teflon bottle. Prepare fresh monthly or as needed	JM	06 10 10
Cr (VI) Stock Standard A Solution (**1000 mg/L**) Ref# _1u(6)1-17-25	N/A; Prepared by NSI - Hexavalent Chromium stock standard at 1000 mg/L **USE FOR ICV**	NSI	**EXP: 01/11**
Cr (VI) Intermediate Standard Solution (**10 mg/L**) Ref# 1u(6)1-17-25	Place in a 100 mL volumetric flask: 1mL of Cr (VI) Stock Standard Solution Dilute to volume reagent water. Prepare fresh daily	JM	06 08 10
Cr (VI) Stock Standard B Solution (**1000 mg/L**) Ref# _1u(6)1-18-2	N/A; Prepared by Alpha Aesar - Hexavalent Chromium stock standard at 1000 mg/L **USE FOR ICAL AND MS/MSD**	JM	06 10 10
Cr (VI) Intermediate Standard Solution (**10 mg/L**) Ref# 1u(6)1-18-2	Place in a 100 mL volumetric flask: 1mL of Cr (VI) Stock Standard B Solution Dilute to volume reagent water. Prepare fresh daily **USE FOR ICAL**	JM	06 09 10
2.0 ppm Standard	Place in a 100 mL volumetric flask: .2 ml of Cr (VI) Stock Standard Solution 50 mL of Cr (VI) Digestion solution Dilute to volume with reagent water. Prepare fresh daily	JM	06 10 10
1.0 ppm Standard	Place in a 100 mL volumetric flask: .1 mL of Cr (VI) stock Standard Solution 50 ml of Cr (VI) Digestion solution Dilute to volume with reagent water. Prepare fresh daily	JM	06 10 10
0.4 ppm Standard **(use for CCV)**	Place in a 100 mL volumetric flask: 4 mL of Cr (VI) **Intermediate** Standard Solution 50 mL of Cr (VI) Digestion solution Dilute to volume with reagent water. Prepare fresh daily	JM	06 11 10

Reagents/Standards Preparation Log for Hexavalent Chromium

CompuChem a division of Liberty Analytical Corp.1 UUUU

NAME	PREPARATION INSTRUCTIONS	PREPARED BY	DATE
0.1 ppm Standard **USE FOR LOQ**	Place in a 100 mL volumetric flask: 1 mL of Cr (VI) **Intermediate** Standard Solution 50 mL of Cr (VI) Digestion solution Dilute to volume with reagent water. Prepare fresh daily	JM	06 10 10
0.05 ppm Standard **USE FOR MDL and LOD**	Place in a 100 mL volumetric flask: .5 mL of Cr (VI) **Intermediate** Standard Stock Solution 50 mL of Cr (VI) Digestion solution Dilute to volume with reagent water. Prepare fresh daily	JM	06 10 10
ICV 1.0 ppm	Place in a 100 mL volumetric flask: .1 mL of Cr (VI) Cr (VI) Stock Standard B 50 mL of Cr (VI) Digestion solution Dilute to volume with reagent water. Prepare fresh daily	JM	06 11 10
ICB/CCB	50 mL of Cr (VI) Digestion solution in 50 ml of DI water	JM	06 10 10
LCS TV=240 mg/kg Hexavilent chromium in soil Ref# 1u(6)1-19-3	Place in a 250 mL beaker: Weigh 2.5g of Hexavalent Chromium reference standard 50 mL of Cr (VI) Digestion solution	JM	06 10 10
Matrix Spiking Solution Ref#:1u(6)1-17-25	Spike .1 ml of the 1000 ppm stock standard in 2.5 g of the original	JM	06 10 10
Phosphate Buffer Solution K2hpo4Ref# 1U(6)1-14-16 Kh2po4Ref#1u(6)1-12-21	Place in 1 L volumetric flask: 87.09g of K_2HPO_4 and 68.04 g of KH_2PO_4 Dilute to volume with reagent water. Prepare fresh every six months	JM	06 09 10
Diphenylcarbazide Solution Ref#:1U(6)1-15-22	Place in a 100 mL volumetric flask: 0.5 g of 1,5-diphenylcarbazide Dilute to volume with acetone. Prepare fresh monthly of sooner, if solution becomes colored.	JM	06 11 10

Reviewed by: _____ Date: 6-14-10 The presence of the Chemist's/Analyst's employee ID number, or signature, on this log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

11-18-09 jm

Hexavalent Chromium Analysis Log

Modified Method SW-846: 7196A

Analyst JM
SDG ID 1005157, 1005180
Reviewed By:
Date:

Date: 6-11-10
Correlation Coefficient See ICAL + ASL
Slope:
Intercept:

#	Sample ID	Acidic pH	Uncorrected Absorbance	Background Abosrbance	Corrected Absorbance	Dilution	Concentration	Color	Read Time
0	0.0	1.6±.22	.000	.000		1	NA	NA	~~16:40~~
.05	0.030			.030		1			
0.1	0.060			.060		1			
0.4	0.250			.250		1			
1	0.649			.649		1			
2	1.270			1.270		1			
	ICV		.652	.000	.652	1			
1	1005253-BLK1		.000	.000	.000	1			
2	-BS1		.720	.020	.720	1			
3	1005157-01		.064	.030	.034	1			
4	MS1		.701	.031	.670	1			
5	MSD1		.702	.028	.674	1			
6	-02		.084	.082	.002	1			
7	-03		.020	.020	.000	1			
8	-04		.100	.101	-.001	1			
9	-05		.080	.079	.001	1			
10	-06		~~.032~~ .030	.034	-.002	1			
	CCV		.249	~~.249~~ .249	.249	1			
	CCB		.000	.000	.000	1			
1	-07		.090	.090	.000	1			
2	-08		.189	.190	.010	1			
3	-09		.082	~~.040~~ .044	.038	1			
4	-10		.040	.040	.000	1			
5	-11		.210	.220	-.010	1			
6	-12		.029	.030	-.001	1			
7	-13		.150	.150	.000	1			
8	-14		.202	.201	.001	1			
9	-15		.090	.090	.000	1			
10	-16		.051	.051	.000	1			
	CCV		.250	.000	.250	1			
	CCB		.000	.000	.000	1			

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

5/5/06:jad

~~49~~ JM 6-11-10

Hexavalent Chromium Analysis Log

Modified Method SW-846: 7196A

Analyst JR
SDG ID Con-t
Reviewed By: _____
Date: _____

Date: 6-11-10
Correlation Coefficient NA
Slope: _____
Intercept: _____

#	Sample ID	Acidic pH	Uncorrected Absorbance	Background Abosrbance	Corrected Absorbance	Dilution	Concentration	Color	Read Time
	-17	1.6-2.2	.040	.010	.030	1	NA	NA	
	-18		.080	.011	.069	1			
	1st zero - A		.000	.000	.000	1			
	BS1 5x		.700	.020	.680	5			
	CCV		.248	.000	.248	1			
	CCB		.000	.000	.000	1			
	0060134 BH		.000	.000	.000	1			
1	5x BS1		.740	.024	.716	5			
2	100510D-01		.126	.130	.0040	1			
3	-02		.136	.137	.001	1			
4	-03		.040	.040	.000	1			
5	-04		.027	.027	.000	1			
6	CCV		.247	.000	.247	1			
7	CCB		.000	.000	.000	1			17:30
8									
9									
10									
	CCV								
	CCB								
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
	CCV								
	CCB								

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

5/5/06:jad

~~49~~ JR 6-11-10

CompuChem, a division of Liberty Analytical Corp.

Worksheet 1 K (8) **Cr(VI) DIGESTION PREP** Page __1__ of __1__

SDG # **1005180** **SW-846 Method 3060A**

Analyst No.: 2477 Date: 6-10-10

CompuChem No.	Sample Type	Sample weight (gms)	Hot Plate Temp °C	Sample filtered? (Y or N)	Final volume (mL)	Comments
0052534-BLK1	Blank	2.5	95	Y	100	13:30
0052534-BS1	LCS	2.50				
1005151-01	Sample	2.51				
1005151-02	Sample	2.54				
1005151-03	Sample	2.50				
1005151-04	Sample	2.52				
~~1005151-05~~	~~Sample~~					

Digestion Solution -	06 10 10
Phosphate Buffer Solution -	06 10 10
Matrix Spiking Solution (100mg/L CrVI) - ~~052206~~Jm	106)118.1

Digestion Time Start - 13:30

Digestion Time Stop - 14:30

NaOH ref #	106)1-13-28
K_2HPO_4 ref #	106)114.6
KH_2PO_4 ref #	106)1-12.21

Reviewed By: _____ Date: 6-14-10

The presence of the Chemist's/analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Generated on: 6/3/2010 6:57 PM

3/24/10:jad

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS41-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Matrix (soil/water): SOIL Lab Sample ID: 1005180-01

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 91.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	2.6			P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB41-1-2

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Matrix (soil/water): SOIL Lab Sample ID: 1005180-02

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 82.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	4.8			P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS35-0-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Matrix (soil/water): SOIL Lab Sample ID: 1005180-03

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 95.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	2.3			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB35-2-3

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005180

Matrix (soil/water): SOIL Lab Sample ID: 1005180-04

Level (low/med): LOW Date Received: 5/21/2010

% Solids: 88.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	2.0			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

24787

Page 1 of 1

22

CHAIN OF CUSTODY

CompuChem
a division of Liberty Analytical Corp.

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St Ste 101
City: Va Beach State: VA Zip: 23462
Project Contact: Rebekha Shaw
Phone #: 757-671-6279
Sampler's Name: K. Rogers

Project Information

Project Name: CTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N)? If yes, which ID(s)?

Matrix Codes

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

CompuChem No.	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Metals 6010B (Share 1-2oz.)	Tot Cr 6010B (Share 1-2oz.)	Cr VI 7196A	SIM PAH 8270C (Share 1-8oz.)	TCL PEST 8081A	Grain Size ASTM D422 (1-8oz.)		Gram Size	
1005157-06	BBG-SS70-0-1-10B	5.20	1200	SO	3							X		X	X	X	X		1005213-05	
-07	BBG-SB70-1-2-10B	5.20	1210	SO	3							X		X	X	X	X			-06
1005180-01	BBG-SS41-0-1-10B	5.20	1520	SO	3								X	X	X	X	X			-07
(2)	~~BBG-SB41-1-2-10B~~	~~5.20~~	~~1525~~	~~SO~~																
1005180-02	BBG-SB41-1-2-10B	5.20	1525	SO	3								X	X	X	X	X		1005213-08	
1005157-08	BBG-SS69-0-1-10B	5.20	1610	SO	3							X		X	X	X	X			-09
-09	BBG-SB69-2-3-10B	5.20	1620	SO	3							X		X	X	X	X			-10
-10	BBG-SB64-1-2-10B	5.20	1820	SO	3							X		X	X	X	X			-11
-11	BBG-SB65-1-2-10B	5.20	1745	SO	3							X		X	X	X	X			-12
-12	BBG-SS64-0-1-10B	5.20	1815	SO	3							X		X	X	X	X			-13

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (N/A)
625 & Phenol samples checked for chlorine? Y or (N/A)
608 samples checked for pH between 5.0-9.0? Y or (N/A)

Relinquished by:	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5-21-10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontract? Y or (N) If yes, where? Gram size to CT LABS
Custody Seal(s) intact? Y or (N)
On Ice? (Y) or N
Cooler Temp: 0.3 °C

Samples stored 60 days after date report mailed at no extra charge.

KM 5-21-10 - Client Delivery

White & Yellow copy to lab • Pink copy for customer

SN0010

24789

Page 1 of 1

CHAIN OF CUSTODY

CompuChem
a division of Liberty Analytical Corp.

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 5700 Cleveland St, 101
City: Va Beach State: VA Zip: 23462
Project Contact: Rebekha Shaw
Phone #: 757-671-6279
Sampler's Name: K. ROGERS

Project Information

Project Name: CTO 94
Sampling Location: MCB CAMP LEJEUNE
Turnaround time: PER CONTRACT*
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N)? If yes, which ID(s)?

Matrix: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

Lab Sample ID (Lab Use Only)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	6010B metals (Shake 20z.)	tot cr 6010B	Cr VI 7196A	SIM PAH 8270C (Shake 80z.)	TCL PEST 8081A	Grain Size ASTM D422 (1-80z.)		Gran size		
1005180-03	BBG-SS35-0-1-10B	5.20	1650	SO	3								X	X	X	X	X		1005213-14		
1005157-13	BBG-SS66-0-1-10B	5.20	1720	SO	3							X		X	X	X	X			-15	
-14	BBG-SS65-0-1-10B	5.20	1740	SO	3							X		X	X	X	X			-16	
1005180-04	BBG-SB35-2-3-10B	5.20	1700	SO	3								X	X	X	X	X			-17	
1005157-15	BBG-SS82-0-1-10B	5.21	0825	SO	3							X	X	X	X	X	X		✓	-18	
-16	BBG-SS82D-0-1-10B	5.21	0830	SO	3							X	X	X	X	X					
-17	BBG-SB82-2-3-10B	5.21	0840	SO	3							X		X	X	X	X		1005213-19		
-18	BBG-SB82D-2-3-10B	5.21	0845	SO	3							X		X	X	X					

Lab Use Only

Sample Unpacked By: K Manning
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments

Sample Custody

Relinquished by:	Date/Time: 5.21.10 1600	Received by: K. Manning	Date/Time: 5.21.10 1600
Relinquished by:	Date/Time:	Received by:	Date/Time:

Subcontact? Y or N If yes, where? Gramsize to CT LABS
Custody Seal(s) intact? Y or N
On Ice? Y or N
Cooler Temp: 1.3 °C

Samples stored 60 days after date report mailed at no extra charge.

KM 5.21.10 - Client Delivery

White & Yellow copy to lab • Pink copy for customer

SNO015

23

CompuChem
A Division Of
Liberty Analytical Corp.

Sample ID Cross Reference

LAB WO	Project	Sample #	Field ID	Sample Date	Receive Date	DueDate	Chain of Custody ID
1005180	CTO-094 MCB CAMP LEJEUNE/39530	1005180-01	SS41-0-1	05/20/2010	05/21/2010	06/03/2010	BBG-SS41-0-1-10B
1005180	CTO-094 MCB CAMP LEJEUNE/39530	1005180-01	SS41-0-1	05/20/2010	05/21/2010	06/10/2010	BBG-SS41-0-1-10B
1005180	CTO-094 MCB CAMP LEJEUNE/39530	1005180-02	SB41-1-2	05/20/2010	05/21/2010	06/03/2010	BBG-SB41-1-2-10B
1005180	CTO-094 MCB CAMP LEJEUNE/39530	1005180-02	SB41-1-2	05/20/2010	05/21/2010	06/10/2010	BBG-SB41-1-2-10B
1005180	CTO-094 MCB CAMP LEJEUNE/39530	1005180-03	SS35-0-1	05/20/2010	05/21/2010	06/03/2010	BBG-SS35-0-1-10B
1005180	CTO-094 MCB CAMP LEJEUNE/39530	1005180-03	SS35-0-1	05/20/2010	05/21/2010	06/10/2010	BBG-SS35-0-1-10B
1005180	CTO-094 MCB CAMP LEJEUNE/39530	1005180-04	SB35-2-3	05/20/2010	05/21/2010	06/03/2010	BBG-SB35-2-3-10B
1005180	CTO-094 MCB CAMP LEJEUNE/39530	1005180-04	SB35-2-3	05/20/2010	05/21/2010	06/10/2010	BBG-SB35-2-3-10B

WORK ORDER

Printed: 6/16/2010 10:07:10AM

1005180

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005180** **CASE:**	**Status:**	**Reported**

Report To:
CH2M HILL, INC.
REBEKHA SHAW
5700 CLEVELAND STREET, SUITE 101
VIRGINIA BEACH, VA 23462
Phone: 757-671-8311
Fax: -

Invoice To:
CH2M HILL, INC.
ACCOUNTS PAYABLE
P.O. BOX 241329
DENVER, CO 80224
Phone :757-671-8311
Fax: -

Date Due: 06/10/2010 00:00 (20 day TAT)

Received By: Cathy Dover — Date Received: 05/21/2010 16:00

Logged In By: Cathy Dover — Date Logged In: 05/23/2010 13:13

J & B Flags?: **YES**	TICS?:**NO**	Deliverable: **Style 9 PQL/MDL Forms**	EDD : **30) CH2 SNEDD**
Metals ND to? **RL/CRQL**	Spike Level: **FULL Spike**		

DOD CRITERIA*LCS/LCSD FOR QC*SIM 8270C=PAH.SUB*PEST 8081A* METALS=TOTAL Cr ONLY*HEXAVALENT Cr 7196A + Cr+3 REPORTED ON FORMS & EDD

Analysis	Due	TAT	Expires	Received	Comments
1005180-01 SS41-0-1 [Soil] Sampled 05/20/2010 15:20 Eastern					
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/16/2010 15:20	05/21/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/16/2010 15:20	05/21/2010 16:00	
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 15:20	05/21/2010 16:00	
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 15:20	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 15:20	05/21/2010 16:00	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 15:20	05/21/2010 16:00	
1005180-02 SB41-1-2 [Soil] Sampled 05/20/2010 15:25 Eastern					
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 15:25	05/21/2010 16:00	
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 15:25	05/21/2010 16:00	
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 15:25	05/21/2010 16:00	
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 15:25	05/21/2010 16:00	
6010B METALS	06/10/2010 16:00	20	11/16/2010 15:25	05/21/2010 16:00	
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/16/2010 15:25	05/21/2010 16:00	

1005180

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005180** **CASE:**	**Status:**	**Reported**

Analysis	Due	TAT	Expires	Comments
1005180-03 SS35-0-1 [Soil] Sampled 05/20/2010 16:50 Eastern				
6010B METALS	06/10/2010 16:00	20	11/16/2010 16:50	05/21/2010 16:00
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/16/2010 16:50	05/21/2010 16:00
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 16:50	05/21/2010 16:00
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 16:50	05/21/2010 16:00
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 16:50	05/21/2010 16:00
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 16:50	05/21/2010 16:00
1005180-04 SB35-2-3 [Soil] Sampled 05/20/2010 17:00 Eastern				
6010B METALS	06/10/2010 16:00	20	11/16/2010 17:00	05/21/2010 16:00
6010B VARIABLE METALS Invoice	06/10/2010 16:00	20	11/16/2010 17:00	05/21/2010 16:00
GC-8081A/PEST	06/10/2010 16:00	20	06/03/2010 17:00	05/21/2010 16:00
Solids, Dry Weight	06/03/2010 16:00	13	11/16/2010 17:00	05/21/2010 16:00
SVOC 8270C SIM PAH	06/10/2010 16:00	20	06/03/2010 17:00	05/21/2010 16:00
TRIVALENT CHROMIUM Cr3 7196A	06/10/2010 16:00	20	11/16/2010 17:00	05/21/2010 16:00

Analysis groups included in this work order

TRIVALENT CHROMIUM Cr3 7196A

Total Cr by Metals HEXAVALENT CHROMI

INTERNAL DIGESTION COC

0052534

COMPUCHEM

Printed: 6/3/2010 6:58:03PM

Matrix: Water **Prepared using: VOA - 8260B 5PPB**

Lab Number	Client ID	Sample Type	
0052534-BLK1	VBLKLS	Blank	
0052534-BS1	VLSLCS	LCS	
1005151-01	QCO-LOQ1	Sample	
1005151-02	QCO-LOQ2	Sample	
1005151-03	QCO-LOQ3	Sample	
1005151-04	QCO-LOQ4	Sample	
1005151-05	QCO-LOD1	Sample	

Prep lab, JM	6-10-10	JM Wetzler	6-10-10
Relinquished By	Date	Received By	Date
JM Wetzler	6-11-10	Storage	6-11-10
Relinquished By	Date	Received By	Date
Relinquished By	Date	Received By	Date
Relinquished By	Date	Received By 6-16-10	Date

Wet Chem ~~Extraction~~s Custody Sheet

Batch: 0060134 **Status**: Batched **Analysis**: HEXAVALENT CHROMIUM 7196A

Lab Id	Client_Id	Received	Container	Extraction	Preservative	Matrix	Due Date	Cust Date
1005180-01 B	SS41-0-1	05/21/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Soil	6/3/2010 4	5/28/2010
1005180-02 B	SB41-1-2	05/21/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Soil	6/3/2010 4	5/28/2010
1005180-03 B	SS35-0-1	05/21/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Soil	6/3/2010 4	5/28/2010
1005180-04 B	SB35-2-3	05/21/10	4a_2OZ WM Glass, cool	Default Prep GenChe	Cool 4°C	Soil	6/3/2010 4	5/28/2010

Cooler #1/Soil Shelf	6.04.10 1403	K. Manning	6.04.10 1403
Relinquished By	Date/Time	Received By	Date/Time
K. Manning	6.04.10 1408		6-4-10 1408
Relinquished By	Date/Time	Received By	Date/Time
	6-10-10	Cooler #1	6-10-10
Relinquished By	Date/Time	Received By	Date/Time
		6-16-10	
Relinquished By	Date/Time	Received By	Date/Time

CompuChem

A Division Of

Liberty Analytical Corp.

7/21/2010

REBEKHA SHAW

CH2M HILL, INC.

5700 CLEVELAND STREET, SUITE 101

VIRGINIA BEACH, VA 23462

Subject:

Report of Data - Project: CTO-094 MCB CAMP LEJEUNE/395307.S. WorkOrder: 1005187

Attn.: REBEKHA SHAW

Enclosed are the results of analytical work performed in accordance with the referenced account number. This report covers sample(s) appearing on the listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097

Sincerely,

Compuchem

a division of Liberty Analytical Corporation

Attachment

TOTAL NUMBER

OF PAGES _____

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

CompuChem, a division of Liberty Analytical

Client: CH2M HILL, INC. **Work:** 1005187

Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM **Sdg:** 1005187

Lab ID	Client ID	Matrix	Date Sampled	Date Received
1005187-01	BBG-GW10	Water	05/24/2010 13:30	05/24/2010 16:15
1005187-02	FB-052510	Water	05/25/2010 09:40	05/25/2010 20:25
1005187-03	BBG-GW01	Water	05/25/2010 10:10	05/25/2010 20:25
1005187-04	EB1-052510	Water	05/25/2010 17:00	05/25/2010 20:25
1005187-05	BBG-GW03	Water	05/25/2010 16:35	05/25/2010 20:25
1005187-06	EB2-052510	Water	05/25/2010 10:35	05/25/2010 20:25
1005187-07	BBG-GW09	Water	05/26/2010 11:30	05/26/2010 19:45
1005187-08	BBG-GW09D	Water	05/26/2010 11:35	05/26/2010 19:45
1005187-09	BBG-GW08	Water	05/26/2010 14:45	05/26/2010 19:45
1005187-10	BBG-GW07	Water	05/27/2010 08:30	05/27/2010 20:05
1005187-11	EB1-052710	Water	05/27/2010 15:25	05/27/2010 20:05
1005187-12	BBG-GW04	Water	05/27/2010 11:30	05/27/2010 20:05
1005187-13	BBG-GW03UCH	Water	05/27/2010 14:10	05/27/2010 20:05
1005187-14	BBG-GW02	Water	05/27/2010 14:00	05/27/2010 20:05
1005187-15	EB2-052710	Water	05/27/2010 15:45	05/27/2010 20:05
1005187-16	EB3-052710	Water	05/27/2010 15:45	05/27/2010 20:05

39CompuChem, a Division of Liberty Analytical Corporation

I. SAMPLE DATA PACKAGE

SW-846

The sample data package shall include data for all analyses of all samples in one Sample Delivery Group (SDG), including field and analytical samples, reanalyses, blanks, spikes, duplicates, and laboratory control samples. The sample data package consists of the following:

A. Cover Page

B. Sample Data

C. Chain-of-Custody (CoC) Documentation

LAB CODE : LIBRTY

CONTRACT # : SW-846

CASE # : _____

SDG # : 1005187

A. Cover Page -

Inorganic Analyses Data Package

The Cover Page includes laboratory information, the Case and SDG numbers, the client ID numbers in alphanumeric order showing the client ID numbers cross-referenced with Lab ID numbers, comments, and completion of the statement on the use of ICP background and interelement correction for the samples.

On separate pages, the laboratory will include any problems encountered; both technical and administrative, the corrective action taken, and the resolution. This information is included in the Inorganic Case Summary Narrative which follows the Cover Page.

SW846 - METALS

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

SOW No.: SW846

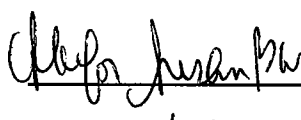
EPA Sample No.	Lab Sample ID.
BBG-GW01	1005187-03
BBG-GW01	1005187-03RE1
BBG-GW02	1005187-14
BBG-GW02	1005187-14RE2
BBG-GW02D	0060334-DUP1
BBG-GW02D	0061620-DUP1
BBG-GW02S	0060334-MS1
BBG-GW02S	0061620-MS1
BBG-GW02SD	0060334-MSD1
BBG-GW02SD	0061620-MSD1
BBG-GW03	1005187-05
BBG-GW03	1005187-05RE1
BBG-GW03UCH	1005187-13
BBG-GW03UCH	1005187-13RE1
BBG-GW04	1005187-12
BBG-GW04	1005187-12RE1
BBG-GW07	1005187-10
BBG-GW07	1005187-10RE1
BBG-GW08	1005187-09
BBG-GW08	1005187-09RE1
BBG-GW09	1005187-07
BBG-GW09	1005187-07RE1
BBG-GW09D	1005187-08
BBG-GW09D	1005187-08RE1
BBG-GW10	1005187-01

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES
If yes-were raw data generated before application of background corrections? Yes/No NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature:  Name: Susan W Bass

Date: 6-21-10 Title: Senior Chemist

SW846 - METALS

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: 1005187

SOW No.: SW846

EPA Sample No.	Lab Sample ID.
BBG-GW10	1005187-01RE1
EB1-052510	1005187-04
EB1-052510	1005187-04RE1
EB1-052710	1005187-11
EB1-052710	1005187-11RE1
EB2-052510	1005187-06
EB2-052510	1005187-06RE1
EB2-052710	1005187-15
EB2-052710	1005187-15RE1
EB3-052710	1005187-16
EB3-052710	1005187-16RE1
FB-052510	1005187-02
FB-052510	1005187-02RE1

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES
If yes-were raw data generated before application of background corrections? Yes/No NO

Comments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Susan W Bass Name: Susan W Bass

Date: 6-21-10 Title: Senior Chemist

CompuChem
a Division of Liberty Analytical Corp.
501 Madison Avenue
Cary, NC 27513

SDG NARRATIVE
SDG # 1005187

The indicated Sample Delivery Group (SDG) consisting of sixteen (16) water samples was received into the laboratory information management system (LIMS) on May 24, 25, 26, and 27, 2010 intact and in good condition with Chain of Custody (COC) Records in order, unless otherwise noted in any attachments or Quality Assurance Notices. The temperature of the samples upon receipt was 0.9 to 5.1°C. Sample ID's reported in this data package are noted by the receiving department on the COC if they differ from those listed by the samplers on the COC.

The samples were prepared and analyzed in accordance with SW846 6010 methodology for the requested TAL metals and mercury.

INSTRUMENTAL QUALITY CONTROL:

All calibration verification solutions (ICV & CCV) and blanks (ICB & CCB) associated with this data were confirmed to be within allowable limits.

SAMPLE PREPARATION QUALITY CONTROL:

The sample preparation procedure verification (PBW & LCSW) was found to be within acceptable ranges and the field samples were analyzed within the specified holding times. Sample EB3-052710 contained zinc above the detection limit. This was confirmed by screening the raw sample. The raw sample read 48.8 ug/l.

MATRIX RELATED QUALITY CONTROL:

The sample matrix spikes, CCN = 1005187-14 ID BBG-GW02S and BBG-GW02SD were inside control limits for the requested analytes.

Control limits for matrix spikes recoveries are set at 75% to 125% of the analyte quantity added unless original sample concentrations exceed the true values of these "spikes" by a factor of four or more. In this case, affected analytes are not flagged even if recoveries are outside percentage recovery control limits.

The sample matrix duplicate, CCN = 1005187-14 ID BBG-GW02D was inside control limits for the requested analytes.

CLP control limits for duplicate determinations are +/- 20% Relative Percent Difference (RPD) for concentrations greater than or equal to five times the CRDL in both the original and duplicate samples, and +/- the CRDL for concentrations less than five times the CRDL. The RPD is not calculated if both the original and duplicate values fall below the IDL.

A five-fold serial dilution of sample, CCN = 1005187-14 ID BBG-GW02L was performed in accordance with requirements for ICP and mercury analyses.

The adjusted sample concentration was inside control limits for the requested analytes except calcium.

The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package. Furthermore, I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice.

Susan W. Bass
Senior Chemist
June 21, 2010

CompuChem
A Division Of
Liberty Analytical Corp.

DATA REPORTING QUALIFIERS FOR INORGANICS

On Form I, under the column labeled "C" for concentration qualifier and "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each analyte.

The C (concentration) qualifiers used are:

U: This flag indicates the analyte was analyzed for but not detected. This reported value was obtained from a reading that was less than the Instrument Detection Limit (IDL). The IDL will be adjusted to reflect any dilution and, for soils, the percent moisture.

B: This flag indicates the analyte was analyzed for and the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Method Detection Limit (MDL).

The Q qualifiers used are:

E: This flag indicates an estimated value. This flag is used:

1. When the serial dilution (a five fold dilution for CLP and a five fold dilution for SW-846 method 6010B) results are not within 10%. The analyte concentration must be sufficiently high (minimally a factor of 50X above the IDL in the original sample).

N: This flag indicates the sample spike recovery is outside of control limits:

***:** This flag is used for duplicate analysis when the sample and the sample duplicate results are not within control limits.

The extensions: D, S, SD, L. A, added to the end of the client ID represent as follows:

D: matrix duplicate
S: matrix spike
SD: matrix spike duplicate
L: serial dilution
A: post digestion spike

Method Codes:

P: ICP PLASMA
CV: MERCURY COLD VAPOR AA
CA: MIDI-DISTILLATION SPECTROPHOTOMETRIC
MS: MASS SPECTROMETRY
AS: SEMI-AUTOMATED SPECTROPHOTOMETRIC

B. Sample Data

1. Results
2. Quality Control Data
3. Quarterly Verification of Instrument Performance
4. Raw Data
5. Digestion and Distillation Logs

LAB CODE : LIBRTY

CONTRACT # : SW-846

CASE # : _____

SDG # : 1005187

1. Results

Sample results shall be arranged in packets with the Inorganic Analysis Data Sheet (Form I - IN). These sample packets shall be placed in increasing Client Sample ID number order, considering both letters and numbers, and shall include all the samples in the SDG.

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BBG-GW01

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix (soil/water): WATER Lab Sample ID: 1005187-03

Level (low/med): LOW Date Received: 5/25/2010

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5760			P
7440-36-0	Antimony	6.7	B		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	24.9	B		P
7440-41-7	Beryllium	0.98	B		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	89300		E	P
7440-47-3	Chromium	7.0	B		P
7440-48-4	Cobalt	5.0	U		P
7440-50-8	Copper	1.1	B		P
7439-89-6	Iron	2060			P
7439-92-1	Lead	3.7			P
7439-95-4	Magnesium	2570	B		P
7439-96-5	Manganese	15.1			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	1.6	B		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	6930			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	9.3	B		P
7440-66-6	Zinc	5.9	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BBG-GW02

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix (soil/water): WATER Lab Sample ID: 1005187-14

Level (low/med): LOW Date Received: 5/27/2010

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	169	B		P
7440-36-0	Antimony	5.1	B		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	71.1	B		P
7440-41-7	Beryllium	1.6	B		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	14400		E	P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	5.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	7300			P
7439-96-5	Manganese	28.2			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	2.2	B		P
7440-09-7	Potassium	510	B		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	17000			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	16.5	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BBG-GW03

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix (soil/water): WATER Lab Sample ID: 1005187-05

Level (low/med): LOW Date Received: 5/25/2010

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	982			P
7440-36-0	Antimony	5.4	B		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	84.6	B		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	4810	B	E	P
7440-47-3	Chromium	1.7	B		P
7440-48-4	Cobalt	5.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	62.1	B		P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	8740			P
7439-96-5	Manganese	9.2	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	1.4	B		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	8320			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	7.7	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BBG-GW03UCH

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix (soil/water): WATER Lab Sample ID: 1005187-13

Level (low/med): LOW Date Received: 5/27/2010

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	92.0	B		P
7440-36-0	Antimony	5.8	B		P
7440-38-2	Arsenic	3.4	B		P
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	32500		E	P
7440-47-3	Chromium	2.3	B		P
7440-48-4	Cobalt	5.0	U		P
7440-50-8	Copper	4.2	B		P
7439-89-6	Iron	290			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	1460	B		P
7439-96-5	Manganese	17.7			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	1.4	B		P
7440-09-7	Potassium	178	B		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	18300			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	5.4	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BBG-GW04

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix (soil/water): WATER Lab Sample ID: 1005187-12

Level (low/med): LOW Date Received: 5/27/2010

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	182	B		P
7440-36-0	Antimony	5.4	B		P
7440-38-2	Arsenic	4.4	B		P
7440-39-3	Barium	18.8	B		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	125000		E	P
7440-47-3	Chromium	3.7	B		P
7440-48-4	Cobalt	5.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	1180			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	2640	B		P
7439-96-5	Manganese	26.4			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	9.3			P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	3500	B		P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	3.4	B		P
7440-66-6	Zinc	4.5	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BBG-GW07

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix (soil/water): WATER Lab Sample ID: 1005187-10

Level (low/med): LOW Date Received: 5/27/2010

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	330			P
7440-36-0	Antimony	6.6	B		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	29.7	B		P
7440-41-7	Beryllium	0.81	B		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	2080	B	E	P
7440-47-3	Chromium	1.2	B		P
7440-48-4	Cobalt	5.0	U		P
7440-50-8	Copper	2.4	B		P
7439-89-6	Iron	480			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	1180	B		P
7439-96-5	Manganese	21.0			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	2.8	B		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	8240			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	15.0	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BBG-GW08

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix (soil/water): WATER Lab Sample ID: 1005187-09

Level (low/med): LOW Date Received: 5/26/2010

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	285			P
7440-36-0	Antimony	4.2	B		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	82300		E	P
7440-47-3	Chromium	5.5	B		P
7440-48-4	Cobalt	5.0	U		P
7440-50-8	Copper	2.1	B		P
7439-89-6	Iron	738			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	2520	B		P
7439-96-5	Manganese	12.6			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	2.0	B		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	6310			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	3.8	B		P
7440-66-6	Zinc	7.8	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BBG-GW09

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix (soil/water): WATER Lab Sample ID: 1005187-07

Level (low/med): LOW Date Received: 5/26/2010

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	31500			P
7440-36-0	Antimony	4.2	B		P
7440-38-2	Arsenic	5.5	B		P
7440-39-3	Barium	1210			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	10300		E	P
7440-47-3	Chromium	44.0			P
7440-48-4	Cobalt	5.0	U		P
7440-50-8	Copper	16.4			P
7439-89-6	Iron	3230			P
7439-92-1	Lead	13.9			P
7439-95-4	Magnesium	1790	B		P
7439-96-5	Manganese	12.1			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	7.3			P
7440-09-7	Potassium	395	B		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	3280	B		P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	27.6			P
7440-66-6	Zinc	22.3			P

Color Before: COLORLESS Clarity Before: CLOUDY Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BBG-GW09D

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix (soil/water): WATER Lab Sample ID: 1005187-08

Level (low/med): LOW Date Received: 5/26/2010

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5110			P
7440-36-0	Antimony	4.3	B		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	205			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	9390		E	P
7440-47-3	Chromium	7.1	B		P
7440-48-4	Cobalt	5.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	557			P
7439-92-1	Lead	3.2			P
7439-95-4	Magnesium	1690	B		P
7439-96-5	Manganese	5.7	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	1.3	B		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	4460	B		P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	5.4	B		P
7440-66-6	Zinc	5.2	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BBG-GW10

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix (soil/water): WATER Lab Sample ID: 1005187-01

Level (low/med): LOW Date Received: 5/24/2010

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	908			P
7440-36-0	Antimony	4.0	B		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	21.3	B		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	5860		E	P
7440-47-3	Chromium	1.3	B		P
7440-48-4	Cobalt	5.0	U		P
7440-50-8	Copper	3.7	B		P
7439-89-6	Iron	318			P
7439-92-1	Lead	2.6	B		P
7439-95-4	Magnesium	2850	B		P
7439-96-5	Manganese	30.3			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	3.8	B		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	12000			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	6.3	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
EB1-052510

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix (soil/water): WATER Lab Sample ID: 1005187-04

Level (low/med): LOW Date Received: 5/25/2010

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	36.5	B		P
7440-36-0	Antimony	5.6	B		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	0.93	B		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	398	B	E	P
7440-47-3	Chromium	0.96	B		P
7440-48-4	Cobalt	5.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	13.9	B		P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese	0.39	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	5.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	5000	U		P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
EB1-052710

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix (soil/water): WATER Lab Sample ID: 1005187-11

Level (low/med): LOW Date Received: 5/27/2010

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	34.8	B		P
7440-36-0	Antimony	4.1	B		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	0.93	B		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	401	B	E	P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	5.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	1.7	B		P
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese	0.28	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	5.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	170	B		P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
EB2-052510

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix (soil/water): WATER Lab Sample ID: 1005187-06

Level (low/med): LOW Date Received: 5/25/2010

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	32.4	B		P
7440-36-0	Antimony	4.2	B		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	402	B	E	P
7440-47-3	Chromium	0.85	B		P
7440-48-4	Cobalt	5.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	13.8	B		P
7439-92-1	Lead	2.1	B		P
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese	0.28	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	5.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	5000	U		P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
EB2-052710

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix (soil/water): WATER Lab Sample ID: 1005187-15

Level (low/med): LOW Date Received: 5/27/2010

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	53.8	B		P
7440-36-0	Antimony	4.5	B		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	1.6	B		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	412	B	E	P
7440-47-3	Chromium	0.91	B		P
7440-48-4	Cobalt	5.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	17.6	B		P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	9.3	B		P
7439-96-5	Manganese	0.56	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	5.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	160	B		P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
EB3-052710

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix (soil/water): WATER Lab Sample ID: 1005187-16

Level (low/med): LOW Date Received: 5/27/2010

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	74.5	B		P
7440-36-0	Antimony	4.4	B		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	0.92	B		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	1030	B	E	P
7440-47-3	Chromium	1.3	B		P
7440-48-4	Cobalt	5.0	U		P
7440-50-8	Copper	3.3	B		P
7439-89-6	Iron	45.5	B		P
7439-92-1	Lead	1.9	B		P
7439-95-4	Magnesium	17.4	B		P
7439-96-5	Manganese	1.1	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	5.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	683	B		P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	53.7			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

FB-052510

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix (soil/water): WATER Lab Sample ID: 1005187-02

Level (low/med): LOW Date Received: 5/25/2010

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	47.7	B		P
7440-36-0	Antimony	4.5	B		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	1.3	B		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	411	B	E	P
7440-47-3	Chromium	1.2	B		P
7440-48-4	Cobalt	5.0	U		P
7440-50-8	Copper	6.3			P
7439-89-6	Iron	17.4	B		P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese	0.41	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	1.1	B		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	5000	U		P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

2. Quality Control Data

a. Initial and Continuing Calibration Verification
[Form II (Part 1) - IN]

b. CRDL Standard for AA (if applicable) and ICP
[Form II (Part 2) - IN]

c. Blanks
[Form III - IN]

d. ICP Interference Check Sample
[Form IV - IN]

e. Spike Sample Recovery
[Form V (Part 1) - IN]

f. Post Digest Spike Sample Recovery
[Form V (Part 2) - IN]

g. Duplicates
[Form VI - IN]

h. Laboratory Control Sample
[Form VII - IN]

i. Standard Addition Results (if applicable)
[Form VIII - IN]

j. ICP Serial Dilutions
[Form IX - IN]

k. Preparation Log
[Form XIII - IN]

l. Analysis Run Log
[Form XIV - IN]

SW846 - METALS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Initial Calibration Source: EPA-0307

Continuing Calibration Source: HP0912103/4

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum	2521.0	2449.32	97	50000.0	47227.39	94	47992.49	96	P
Antimony	994.0	1004.16	101	1000.0	1026.78	103	1019.99	102	P
Arsenic	999.0	998.86	100	1000.0	1006.24	101	999.57	100	P
Barium	497.0	496.88	100	1000.0	960.52	96	968.51	97	P
Beryllium	495.0	501.80	101	1000.0	1029.92	103	991.64	99	P
Cadmium	496.0	503.99	102	1000.0	1016.93	102	981.28	98	P
Calcium	10026.0	9867.03	98	50000.0	50877.12	102	48397.38	97	P
Chromium	490.0	504.69	103	1000.0	1012.23	101	985.07	99	P
Cobalt	499.0	512.12	103	1000.0	1005.80	101	981.07	98	P
Copper	492.0	506.07	103	1000.0	1021.06	102	1003.99	100	P
Iron	5082.0	4953.78	97	25000.0	24656.53	99	24083.14	96	P
Lead	1002.0	1004.66	100	1000.0	997.46	100	978.81	98	P
Magnesium	6074.0	6092.53	100	50000.0	50527.10	101	50758.66	102	P
Manganese	499.0	502.79	101	1000.0	1003.19	100	986.21	99	P
Mercury	4.0	3.95	99	5.0	5.00	100	5.13	103	CV
Nickel	503.0	506.20	101	1000.0	1014.69	101	982.91	98	P
Potassium	10021.0	10832.03	108	50000.0	49414.68	99	52039.30	104	P
Selenium	1029.0	999.55	97	1000.0	996.29	100	997.83	100	P
Silver	501.0	503.94	101	100.0	105.35	105	100.49	100	P
Sodium	10097.0	9656.43	96	50000.0	49309.08	99	50702.17	101	P
Thallium	1028.0	1031.99	100	1000.0	995.14	100	993.82	99	P
Vanadium	501.0	500.62	100	1000.0	1005.44	101	984.37	98	P
Zinc	1025.0	992.90	97	1100.0	1121.26	102	1051.16	96	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

SW846 - METALS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Initial Calibration Source: EPA-0307

Continuing Calibration Source: HP0912103/4

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				50000.0	48076.69	96	48455.88	97	P
Antimony				1000.0	1018.35	102	1018.01	102	P
Arsenic				1000.0	1004.22	100	1002.78	100	P
Barium				1000.0	961.36	96	959.54	96	P
Beryllium				1000.0	981.01	98	985.49	99	P
Cadmium				1000.0	969.24	97	965.72	97	P
Calcium				50000.0	47738.22	95	47836.11	96	P
Chromium				1000.0	969.58	97	969.53	97	P
Cobalt				1000.0	970.51	97	967.65	97	P
Copper				1000.0	1003.82	100	1003.87	100	P
Iron				25000.0	23914.85	96	23836.73	95	P
Lead				1000.0	975.12	98	974.63	97	P
Magnesium				50000.0	50658.25	101	50576.05	101	P
Manganese				1000.0	972.21	97	969.54	97	P
Mercury				5.0	5.15	103	5.19	104	CV
Nickel				1000.0	973.53	97	971.60	97	P
Potassium				50000.0	52909.95	106	53106.94	106	P
Selenium				1000.0	1004.68	100	1007.07	101	P
Silver				100.0	99.98	100	99.24	99	P
Sodium				50000.0	50961.54	102	51048.66	102	P
Thallium				1000.0	1004.97	100	1002.36	100	P
Vanadium				1000.0	972.37	97	977.60	98	P
Zinc				1100.0	1043.19	95	1036.28	94	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

SW846 - METALS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Initial Calibration Source: EPA-0307

Continuing Calibration Source: HP0912103/4

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				50000.0	47719.53	95	47700.35	95	P
Antimony				1000.0	1020.39	102	1023.06	102	P
Arsenic				1000.0	999.21	100	1002.94	100	P
Barium				1000.0	964.25	96	946.84	95	P
Beryllium				1000.0	982.95	98	1018.87	102	P
Cadmium				1000.0	972.42	97	1003.66	100	P
Calcium				50000.0	47636.38	95	50317.62	101	P
Chromium				1000.0	972.07	97	1015.27	102	P
Cobalt				1000.0	968.80	97	995.84	100	P
Copper				1000.0	1010.13	101	1041.69	104	P
Iron				25000.0	23893.78	96	24588.67	98	P
Lead				1000.0	976.09	98	993.19	99	P
Magnesium				50000.0	50432.29	101	51039.02	102	P
Manganese				1000.0	973.43	97	1005.51	101	P
Mercury				5.0	5.15	103			CV
Nickel				1000.0	975.84	98			P
Potassium				50000.0	52100.43	104	49650.04	99	P
Selenium				1000.0	1002.77	100	991.32	99	P
Silver				100.0	100.40	100	107.11	107	P
Sodium				50000.0	50339.30	101	49989.33	100	P
Thallium				1000.0	990.32	99	994.78	99	P
Vanadium				1000.0	972.94	97	1005.88	101	P
Zinc				1100.0	1043.56	95	1103.38	100	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

SW846 - METALS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Initial Calibration Source: EPA-0307

Continuing Calibration Source: HP0912103/4

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Nickel	503.0	491.52	98	1000.0	972.34	97	946.67	95	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

SW846 - METALS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Initial Calibration Source: EPA-0307

Continuing Calibration Source: HP0912103/4

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Nickel				1000.0	959.63	96			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: 1005187

AA CRDL Standard Source: HP0916320

ICP CRDL Standard Source: HP1004012

Concentration Units: ug/L

Analyte	True	Found	%R	CRDL Standard for ICP Initial True	Initial Found	Initial %R	Final Found	Final %R
Aluminum				200.0	210.89	105.4		
Antimony				10.0	10.37	103.7		
Arsenic				10.0	10.33	103.3		
Barium				200.0	197.27	98.6		
Beryllium				5.0	5.58	111.6		
Cadmium				5.0	4.85	97.0		
Calcium				5000.0	5074.26	101.5		
Chromium				10.0	9.92	99.2		
Cobalt				5.0	3.79	75.8		
Copper				5.0	5.22	104.4		
Iron				100.0	63.17	63.2		
Lead				3.0	1.84	61.3		
Magnesium				5000.0	5093.42	101.9		
Manganese				10.0	10.18	101.8		
Mercury	0.2	0.17	85.0					
Nickel				5.0	6.07	121.4		
Potassium				5000.0	4867.18	97.3		
Selenium				5.0	4.77	95.4		
Silver				5.0	3.33	66.6		
Sodium				5000.0	4797.51	96.0		
Thallium				10.0	9.21	92.1		
Vanadium				20.0	20.15	100.8		
Zinc				20.0	20.95	104.8		

Control Limits: no limits have been established by EPA at this time

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

AA CRDL Standard Source: HP0916320

ICP CRDL Standard Source: HP1004012

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Nickel				5.0	4.99	99.8		

Control Limits: no limits have been established by EPA at this time

SW846 - METALS

3

BLANKS

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	200.0	U	200.0	U	74.4	B	51.0	B	200.000	U	P
Antimony	10.0	U	10.0	U	10.0	U	10.0	U	4.886	B	P
Arsenic	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P
Barium	200.0	U	200.0	U	200.0	U	200.0	U	200.000	U	P
Beryllium	5.0	U	5.0	U	1.8	B	1.2	B	5.000	U	P
Cadmium	5.0	U	5.0	U	5.0	U	5.0	U	5.000	U	P
Calcium	372.9	B	392.4	B	394.8	B	380.9	B	390.088	B	P
Chromium	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P
Cobalt	5.0	U	5.0	U	-1.7	B	5.0	U	5.000	U	P
Copper	5.0	U	5.0	U	5.0	U	5.0	U	5.000	U	P
Iron	100.0	U	100.0	U	100.0	U	100.0	U	100.000	U	P
Lead	3.0	U	3.0	U	3.0	U	3.0	U	3.000	U	P
Magnesium	5000.0	U	24.1	B	33.8	B	16.0	B	5000.000	U	P
Manganese	10.0	U	0.3	B	0.3	B	0.3	B	0.277	B	P
Mercury	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	CV
Nickel	5.0	U	0.7	B	5.0	U	5.0	U	5.000	U	P
Potassium	-1441.0	B	-1435.7	B	-1426.1	B	-1440.4	B	-1443.870	B	P
Selenium	5.0	U	5.0	U	5.0	U	5.0	U	5.000	U	P
Silver	5.0	U	5.0	U	5.0	U	5.0	U	5.000	U	P
Sodium	5000.0	U	5000.0	U	5000.0	U	5000.0	U	5000.000	U	P
Thallium	10.0	U	10.0	U	10.0	U	10.0	U	-3.728	B	P
Vanadium	20.0	U	20.0	U	20.0	U	20.0	U	20.000	U	P
Zinc	20.0	U	20.0	U	20.0	U	20.0	U	20.000	U	P

SW846 - METALS

3

BLANKS

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			33.4	B	35.9	B	36.1	B			P
Antimony			10.0	U	10.0	U	10.0	U			P
Arsenic			10.0	U	10.0	U	10.0	U			P
Barium			200.0	U	200.0	U	200.0	U			P
Beryllium			5.0	U	5.0	U	1.1	B			P
Cadmium			5.0	U	5.0	U	5.0	U			P
Calcium			382.0	B	387.3	B	377.0	B			P
Chromium			10.0	U	10.0	U	5.1	B			P
Cobalt			5.0	U	5.0	U	5.0	U			P
Copper			5.0	U	5.0	U	5.0	U			P
Iron			100.0	U	100.0	U	24.4	B			P
Lead			3.0	U	3.0	U	3.0	U			P
Magnesium			19.8	B	25.2	B	11.8	B			P
Manganese			0.3	B	0.4	B	1.2	B			P
Mercury			0.200	U	0.200	U					CV
Nickel			5.0	U	0.9	B					P
Potassium			-1431.8	B	-1424.9	B	-1432.2	B			P
Selenium			5.0	U	5.0	U	5.0	U			P
Silver			5.0	U	5.0	U	5.0	U			P
Sodium			5000.0	U	5000.0	U	5000.0	U			P
Thallium			10.0	U	10.0	U	10.0	U			P
Vanadium			20.0	U	20.0	U	20.0	U			P
Zinc			20.0	U	20.0	U	20.0	U			P

3

BLANKS

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Nickel	5.0	U	5.0	U	5.0	U	5.0	U			P

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

ICP ID Number: P4 ICS Source: EPA-503-203

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Aluminum	244100	241100	239000	238000	98.7			
Antimony	0	589	-0.15	608	103.2			
Arsenic	0	101	-0.76	100	99.0			
Barium	0	495	2.5	484	97.8			
Beryllium	0	475	1.3	495	104.2			
Cadmium	0	940	7.5	983	104.6			
Calcium	234900	231100	246000	259000	112.1			
Chromium	43	511	41.7	536	104.9			
Cobalt	0	461	-0.64	492	106.7			
Copper	23	548	23.1	539	98.4			
Iron	95600	94800	92500	96100	101.4			
Lead	10	61	6.8	54.2	88.9			
Magnesium	247500	251100	256000	260000	103.5			
Manganese	19	502	18.5	519	103.4			
Nickel	21	984	20.9	1000	101.6			
Potassium	0	0	-1440	-1440				
Selenium	0	53	-4.2	49.7	93.8			
Silver	0	206	-0.52	209	101.5			
Sodium	0	0	809	787				
Thallium	0	103	8.4	106	102.9			
Vanadium	0	494	-5.0	488	98.8			
Zinc	28	1028	31.0	994	96.7			

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: 1005187

ICP ID Number: P4 ICS Source: EPA-503-203

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Nickel	21	984	20.8	958	97.4			

SW846 - METALS

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

BBG-GW02S

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	2166.3740		169.3589	B	2000.00	100		P
Antimony	75 - 125	509.9461		5.1087	B	500.00	101		P
Arsenic	75 - 125	37.4975		10.0000	U	40.00	94		P
Barium	75 - 125	2055.4800		71.1225	B	2000.00	99		P
Beryllium	75 - 125	50.8575		1.5586	B	50.00	99		P
Cadmium	75 - 125	49.3600		5.0000	U	50.00	99		P
Chromium	75 - 125	201.4343		10.0000	U	200.00	101		P
Cobalt	75 - 125	495.9543		5.0000	U	500.00	99		P
Copper	75 - 125	259.5653		5.0000	U	250.00	104		P
Iron	75 - 125	986.1795		100.0000	U	1000.00	99		P
Lead	75 - 125	19.4907		3.0000	U	20.00	97		P
Manganese	75 - 125	528.2033		28.2263		500.00	100		P
Mercury	75 - 125	1.0600		0.2000	U	1.00	106.0		CV
Nickel	75 - 125	496.2025		2.2064	B	500.00	99		P
Selenium	75 - 125	9.2668		5.0000	U	10.00	93		P
Silver	75 - 125	49.9103		5.0000	U	50.00	100		P
Thallium	75 - 125	44.1410		10.0000	U	50.00	88		P
Vanadium	75 - 125	505.7386		20.0000	U	500.00	101		P
Zinc	75 - 125	493.7668		16.5018	B	500.00	95		P

Comments:

SW846 - METALS

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

BBG-GW02SD

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	2202.3970		169.3589	B	2000.00	102		P
Antimony	75 - 125	512.9385		5.1087	B	500.00	102		P
Arsenic	75 - 125	39.7244		10.0000	U	40.00	99		P
Barium	75 - 125	2072.0850		71.1225	B	2000.00	100		P
Beryllium	75 - 125	51.2634		1.5586	B	50.00	99		P
Cadmium	75 - 125	49.3351		5.0000	U	50.00	99		P
Chromium	75 - 125	201.5507		10.0000	U	200.00	101		P
Cobalt	75 - 125	494.7423		5.0000	U	500.00	99		P
Copper	75 - 125	261.2199		5.0000	U	250.00	104		P
Iron	75 - 125	997.4202		100.0000	U	1000.00	100		P
Lead	75 - 125	19.3877		3.0000	U	20.00	97		P
Manganese	75 - 125	527.8377		28.2263		500.00	100		P
Mercury	75 - 125	1.0300		0.2000	U	1.00	103.0		CV
Nickel	75 - 125	497.9823		2.2064	B	500.00	99		P
Selenium	75 - 125	9.3668		5.0000	U	10.00	94		P
Silver	75 - 125	49.7483		5.0000	U	50.00	99		P
Thallium	75 - 125	44.5245		10.0000	U	50.00	89		P
Vanadium	75 - 125	511.2774		20.0000	U	500.00	102		P
Zinc	75 - 125	489.4141		16.5018	B	500.00	95		P

Comments:

6

DUPLICATES

SAMPLE NO.

BBG-GW02D

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		169.3589	B	127.6593	B	28.1		P
Antimony		5.1087	B	5.0472	B	1.2		P
Arsenic		10.0000	U	10.0000	U			P
Barium		71.1225	B	66.9599	B	6.0		P
Beryllium		1.5586	B	5.0000	U	200.0		P
Cadmium		5.0000	U	5.0000	U			P
Calcium	5000.0	14385.0600		15203.9100		5.5		P
Chromium		10.0000	U	0.7635	B	200.0		P
Cobalt		5.0000	U	5.0000	U			P
Copper		5.0000	U	5.0000	U			P
Iron		100.0000	U	100.0000	U			P
Lead		3.0000	U	3.0000	U			P
Magnesium	5000.0	7304.1390		7203.7575		1.4		P
Manganese	10.0	28.2263		29.0629		2.9		P
Mercury		0.2000	U	0.2000	U			CV
Nickel		2.2064	B	1.7389	B	23.7		P
Potassium		510.0625	B	317.9580	B	46.4		P
Selenium		5.0000	U	5.0000	U			P
Silver		5.0000	U	5.0000	U			P
Sodium	5000.0	17043.8700		16105.3600		5.7		P
Thallium		10.0000	U	10.0000	U			P
Vanadium		20.0000	U	20.0000	U			P
Zinc		16.5018	B	15.7131	B	4.9		P

7

LABORATORY CONTROL SAMPLE

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Solid LCS Source:

Aqueous LCS Source: HP0935232

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits	%R
Aluminum	20000.0	19304.25	97					
Antimony	6000.0	6004.05	100					
Arsenic	1000.0	980.73	98					
Barium	20000.0	18746.35	94					
Beryllium	500.0	508.92	102					
Cadmium	500.0	500.20	100					
Calcium	50000.0	50377.09	101					
Chromium	1000.0	1003.38	100					
Cobalt	5000.0	4980.28	100					
Copper	2500.0	2599.33	104					
Iron	10000.0	9680.37	97					
Lead	300.0	292.58	98					
Magnesium	50000.0	49544.96	99					
Manganese	1500.0	1492.87	100					
Mercury	3.0	2.95	98					
Nickel	4000.0	3939.76	98					
Potassium	50000.0	50597.12	101					
Selenium	500.0	466.73	93					
Silver	1000.0	1027.35	103					
Sodium	50000.0	50018.84	100					
Thallium	1000.0	967.28	97					
Vanadium	5000.0	5031.80	101					
Zinc	2000.0	1998.42	100					

9

ICP SERIAL DILUTIONS

SAMPLE NO.

BBG-GW02L

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix (soil/water): WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	169.36	B	246.74	B	45.7		P
Antimony	5.11	B	50.00	U	100.0		P
Arsenic	10.00	U	50.00	U			P
Barium	71.12	B	1000.00	U	100.0		P
Beryllium	1.56	B	5.01	B	221.2		P
Cadmium	5.00	U	25.00	U			P
Calcium	14385.06		16266.89	B	13.1	E	P
Chromium	10.00	U	50.00	U			P
Cobalt	5.00	U	25.00	U			P
Copper	5.00	U	25.00	U			P
Iron	100.00	U	500.00	U			P
Lead	3.00	U	15.00	U			P
Magnesium	7304.14		7566.04	B	3.6		P
Manganese	28.23		30.15	B	6.8		P
Mercury	0.20	U	1.00	U			CV
Nickel	2.21	B	25.00	U	100.0		P
Potassium	510.06	B	25000.00	U	100.0		P
Selenium	5.00	U	25.00	U			P
Silver	5.00	U	25.00	U			P
Sodium	17043.87		16854.22	B	1.1		P
Thallium	10.00	U	50.00	U			P
Vanadium	20.00	U	100.00	U			P
Zinc	16.50	B	21.22	B	28.6		P

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PREPARATION LOG

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Method: P

EPA Sample No.	Preparation Date		Volume (mL)
BBG-GW01	6/4/2010		50.0
BBG-GW02	6/4/2010		50.0
BBG-GW02D	6/4/2010		50.0
BBG-GW02S	6/4/2010		50.0
BBG-GW02SD	6/4/2010		50.0
BBG-GW03	6/4/2010		50.0
BBG-GW03UCH	6/4/2010		50.0
BBG-GW04	6/4/2010		50.0
BBG-GW07	6/4/2010		50.0
BBG-GW08	6/4/2010		50.0
BBG-GW09	6/4/2010		50.0
BBG-GW09D	6/4/2010		50.0
BBG-GW10	6/4/2010		50.0
EB1-052510	6/4/2010		50.0
EB1-052710	6/4/2010		50.0
EB2-052510	6/4/2010		50.0
EB2-052710	6/4/2010		50.0
EB3-052710	6/4/2010		50.0
FB-052510	6/4/2010		50.0
LCSW	6/4/2010		50.0
PBW	6/4/2010		50.0

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PREPARATION LOG

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Method: CV

EPA Sample No.	Preparation Date		Volume (mL)
BBG-GW01	6/17/2010		100.0
BBG-GW02	6/17/2010		100.0
BBG-GW02D	6/17/2010		100.0
BBG-GW02S	6/17/2010		100.0
BBG-GW02SD	6/17/2010		100.0
BBG-GW03	6/17/2010		100.0
BBG-GW03UCH	6/17/2010		100.0
BBG-GW04	6/17/2010		100.0
BBG-GW07	6/17/2010		100.0
BBG-GW08	6/17/2010		100.0
BBG-GW09	6/17/2010		100.0
BBG-GW09D	6/17/2010		100.0
BBG-GW10	6/17/2010		100.0
EB1-052510	6/17/2010		100.0
EB1-052710	6/17/2010		100.0
EB2-052510	6/17/2010		100.0
EB2-052710	6/17/2010		100.0
EB3-052710	6/17/2010		100.0
FB-052510	6/17/2010		100.0
LCSW	6/17/2010		100.0
PBW	6/17/2010		100.0

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Instrument ID Number: P4 Method: P

Start Date: 6/14/2010 End Date: 6/14/2010

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN			
S0	1.00	1431		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
S	1.00	1438							X		X		X		X				X		X	X		X		X			
S	1.00	1445		X						X						X				X			X						
S	1.00	1451				X	X	X				X		X			X								X				
S	1.00	1457			X																								
ICV	1.00	1503		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ICB	1.00	1510		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	1.00	1517																												
ICSA	1.00	1524		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ICSAB	1.00	1531		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCV	1.00	1538		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB	1.00	1545		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
LRS	1.00	1554		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	5.00	1601																												
ZZZZZZ	1.00	1609																												
ZZZZZZ	1.00	1616																												
ZZZZZZ	1.00	1623																												
ZZZZZZ	1.00	1630																												
ZZZZZZ	1.00	1637																												
ZZZZZZ	1.00	1644																												
ZZZZZZ	1.00	1651																												
ZZZZZZ	5.00	1658																												
CCV	1.00	1706		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB	1.00	1713		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	1.00	1720																												
ZZZZZZ	1.00	1730																												
ZZZZZZ	1.00	1739																												
ZZZZZZ	1.00	1746																												
ZZZZZZ	1.00	1754																												
ZZZZZZ	1.00	1801																												
ZZZZZZ	1.00	1808																												
ZZZZZZ	1.00	1815																												
ZZZZZZ	1.00	1822																												
ZZZZZZ	1.00	1829																												
CCV	1.00	1836		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB	1.00	1844		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	1.00	1851																												
ZZZZZZ	5.00	1858																												

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Instrument ID Number: P4 Method: P

Start Date: 6/14/2010 End Date: 6/14/2010

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	1905																									
ZZZZZZ	1.00	1912																									
ZZZZZZ	1.00	1919																									
ZZZZZZ	1.00	1926																									
ZZZZZZ	1.00	1933																									
PBW	1.00	1941		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
LCSW	1.00	1948		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
BBG-GW02	1.00	1955		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.00	2002		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.00	2009		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
BBG-GW02D	1.00	2016		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
BBG-GW02S	1.00	2023		X	X	X	X	X	X		X	X	X	X	X		X		X		X	X		X	X	X	
BBG-GW02SD	1.00	2031		X	X	X	X	X	X		X	X	X	X	X		X		X		X	X		X	X	X	
BBG-GW02L	5.00	2038		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	2045																									
BBG-GW10	1.00	2052		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
FB-052510	1.00	2059		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
BBG-GW01	1.00	2106		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
EB1-052510	1.00	2113		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
BBG-GW03	1.00	2121		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.00	2128		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.00	2135		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
EB2-052510	1.00	2142		X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	
BBG-GW09	1.00	2149		X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	
BBG-GW09D	1.00	2156		X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	
BBG-GW08	1.00	2203		X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	
BBG-GW07	1.00	2211		X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	
EB1-052710	1.00	2218		X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	
BBG-GW04	1.00	2225		X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	
BBG-GW03UCH	1.00	2232		X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	
EB2-052710	1.00	2239		X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	
EB3-052710	1.00	2246		X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	
CCV	1.00	2253		X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	
CCB	1.00	2301		X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Instrument ID Number: P4 Method: P

Start Date: 6/15/2010 End Date: 6/15/2010

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
SO	1.00	1518																X								
S	1.00	1525																X								
S	1.00	1532																								
S	1.00	1538																								
S	1.00	1544																								
ICV	1.00	1550																X								
ICB	1.00	1557																X								
ZZZZZZ	1.00	1605																								
ICSA	1.00	1612																X								
ICSAB	1.00	1619																X								
CCV	1.00	1627																X								
CCB	1.00	1634																X								
LRS	1.00	1656																X								
EB2-052510	1.00	1703																X								
BBG-GW09	1.00	1710																X								
BBG-GW09D	1.00	1717																X								
BBG-GW08	1.00	1724																X								
BBG-GW07	1.00	1731																X								
EB1-052710	1.00	1738																X								
BBG-GW04	1.00	1746																X								
BBG-GW03UCH	1.00	1753																X								
EB2-052710	1.00	1800																X								
CCV	1.00	1807																X								
CCB	1.00	1814																X								
EB3-052710	1.00	1821																X								
CCV	1.00	1829																X								
CCB	1.00	1836																X								

SW846 - METALS

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Instrument ID Number: V4 Method: CV

Start Date: 6/17/2010 End Date: 6/17/2010

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1637																X									
S0.2	1.00	1639																X									
S0.5	1.00	1641																X									
S1	1.00	1642																X									
S5	1.00	1644																X									
S10	1.00	1646																X									
ICV	1.00	1649																X									
ICB	1.00	1651																X									
CRA	1.00	1653																X									
CCV	1.00	1655																X									
CCB	1.00	1657																X									
ZZZZZZ	1.00	1659																									
ZZZZZZ	1.00	1700																									
ZZZZZZ	1.00	1702																									
ZZZZZZ	1.00	1704																									
ZZZZZZ	1.00	1706																									
PBW	1.00	1708																X									
ZZZZZZ	1.00	1710																									
CCV	1.00	1712																X									
CCB	1.00	1714																X									
LCSW	1.00	1716																X									
BBG-GW02	1.00	1718																X									
BBG-GW02D	1.00	1720																X									
BBG-GW02S	1.00	1722																X									
BBG-GW02SD	1.00	1724																X									
BBG-GW02L	5.00	1726																X									
BBG-GW10	1.00	1728																X									
FB-052510	1.00	1730																X									
CCV	1.00	1732																X									
CCB	1.00	1734																X									
BBG-GW01	1.00	1736																X									
EB1-052510	1.00	1738																X									
BBG-GW03	1.00	1740																X									
EB2-052510	1.00	1742																X									
BBG-GW09	1.00	1744																X									
BBG-GW09D	1.00	1746																X									
BBG-GW08	1.00	1748																X									
BBG-GW07	1.00	1750																X									

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Instrument ID Number: V4 Method: CV

Start Date: 6/17/2010 End Date: 6/17/2010

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCV	1.00	1752																X								
CCB	1.00	1754																X								
EB1-052710	1.00	1756																X								
BBG-GW04	1.00	1758																X								
BBG-GW03UCH	1.00	1800																X								
EB2-052710	1.00	1801																X								
EB3-052710	1.00	1803																X								
ZZZZZZ	1.00	1805																								
ZZZZZZ	1.00	1807																								
ZZZZZZ	1.00	1810																								
ZZZZZZ	1.00	1812																								
CCV	1.00	1814																X								
CCB	1.00	1816																X								

3. Quarterly Verification of Instrument Performance

a. Instrument Detection Limits (Quarterly)
[Form X - IN]

b. ICP Interelement Correction Factors (Annually)
[Form XI (Part 1) - IN]

c. ICP Interelement Correction Factors (Annually)
[Form XI (Part 2) - IN]

d. ICP Linear Ranges (Quarterly)
[Form XII - IN]

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INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: 1005187

ICP ID Number: _____ Date: 4/10/2010

Flame AA ID Number: V4

Furnace AA ID Number: _____

Analyte	Wave-length (nm)	Back-ground	CRQL ug/L	MDL ug/L	M
Mercury	253.70		0.20	0.091	CV

Comments: _____

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INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

ICP ID Number: P4 Date: 4/15/2010

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRQL ug/L	MDL ug/L	M
Aluminum	308.22		200	31.0	P
Antimony	206.84		10	2.0	P
Arsenic	189.04		10	2.5	P
Barium	493.41		200	15.2	P
Beryllium	313.04		5	0.73	P
Cadmium	226.50		5.0	0.64	P
Calcium	317.93		5000	122	P
Chromium	267.72		10	0.75	P
Cobalt	228.62		5	1.5	P
Copper	324.70		5	1.0	P
Iron	271.44		100	12.2	P
Lead	220.35		3	1.6	P
Magnesium	279.08		5000	7.8	P
Manganese	257.61		10	0.17	P
Nickel	231.60		5	0.63	P
Potassium	766.49		5000	30.9	P
Selenium	196.03		5	2.1	P
Silver	328.07		5	0.64	P
Sodium	330.23		5000	156	P
Thallium	190.86		10	3.0	P
Vanadium	292.40		20	1.5	P
Zinc	206.20		20	4.2	P

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

ICP ID Number: P4 Date: 4/15/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Ag
Aluminum	308.21	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.84	0.0000000	0.0000000	0.0000430	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.41	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000560	0.0000000	0.0000840	0.0000000	0.0000000
Calcium	317.93	0.0000000	0.0000000	0.0000000	0.0001550	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000390	0.0000000	0.0000000
Copper	324.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.44	0.0000000	0.0000000	0.0000000	-0.000904	0.0000000
Lead	220.35	-0.0001560	0.0000000	0.0000000	0.0000000	-0.0004960
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000270	0.0000000
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.02	0.0000000	0.0000000	-0.0004680	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.23	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0007960	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	-0.0002910	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

ICP ID Number: P4 Date: 4/15/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		As	Ba	Be	Cd	Co
Aluminum	308.21	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.84	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.41	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.93	0.0052730	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0003220	0.0000000	0.0000000	-0.000280	0.0000000
Cobalt	228.62	0.0000000	0.0001680	0.0000000	0.0000000	0.0000000
Copper	324.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0703370
Lead	220.35	0.0000000	0.0000000	-0.0002140	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.60	0.0005150	0.0000000	0.0000000	0.0000000	-0.0012010
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.02	0.0000000	0.0000000	0.0001610	0.0000930	-0.0008840
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.23	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: COMPUCHEM Contract: _____

Lab Code: LIBRTY Case No.: _____ SAS No.: _____ SDG No.: 1005187

ICP ID Number: P4 Date: 4/15/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Cu	Mn	Mo	Ni
Aluminum	308.21	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.84	0.0021050	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	-0.0030670	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.41	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0001080	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	-0.0001310	0.0000000	0.0000000
Calcium	317.93	0.0000000	0.0068740	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.44	0.0028440	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0001170	-0.001218	0.0001630
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.02	0.0000000	0.0000000	0.0004510	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.23	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	-0.0007390	0.0000000	0.0000000
Vanadium	292.40	-0.0016760	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	-0.0011640	0.0000000	0.0000000	0.0000000	0.0000000

Comments: _____

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

ICP ID Number: P4 Date: 4/15/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Pb	Sb	Se	Sn	Tl
Aluminum	308.21	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.84	0.0000000	0.0000000	0.0000000	-0.004391	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.41	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	-0.0000500	-0.0001990	-0.0000650	-0.000243	-0.0000490
Calcium	317.93	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	-0.0001490	0.0000000	-0.000187	-0.0011190
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.02	0.0000000	0.0000000	0.0000000	0.0001400	-0.0004280
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.23	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

ICP ID Number: P4 Date: 4/15/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for: V	Zn			
Aluminum	308.21	0.0168710	0.0000000			
Antimony	206.84	-0.0021410	0.0000000			
Arsenic	189.04	0.0000000	0.0000000			
Barium	493.41	0.0000000	0.0000000			
Beryllium	313.04	0.0052620	0.0000000			
Cadmium	226.50	0.0000000	-0.0000580			
Calcium	317.93	0.0000000	0.0000000			
Chromium	267.72	-0.0003410	0.0000000			
Cobalt	228.62	0.0000000	0.0000000			
Copper	324.70	0.0000000	0.0000000			
Iron	271.44	0.0249430	0.0000000			
Lead	220.35	-0.0001610	0.0000000			
Magnesium	279.08	0.0000000	0.0000000			
Manganese	257.61	0.0000000	0.0000000			
Nickel	231.60	0.0000000	0.0000000			
Potassium	766.49	0.0000000	0.0000000			
Selenium	196.02	0.0000000	0.0000000			
Silver	328.07	0.0000000	0.0000000			
Sodium	330.23	0.0000000	0.0376950			
Thallium	190.86	-0.0004340	0.0000000			
Vanadium	292.40	0.0000000	0.0000000			
Zinc	206.20	0.0000000	0.0000000			

Comments:

SW846 - METALS

12

ICP LINEAR RANGES (QUARTERLY)

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

ICP ID Number: P4 Date: 4/15/2010

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Aluminum	15.00	400000.0	P
Antimony	15.00	40000.0	P
Arsenic	15.00	20000.0	P
Barium	15.00	50000.0	P
Beryllium	15.00	5000.0	P
Cadmium	15.00	10000.0	P
Calcium	15.00	700000.0	P
Chromium	15.00	60000.0	P
Cobalt	15.00	50000.0	P
Copper	15.00	30000.0	P
Iron	15.00	700000.0	P
Lead	15.00	60000.0	P
Magnesium	15.00	300000.0	P
Manganese	15.00	50000.0	P
Nickel	15.00	60000.0	P
Potassium	15.00	100000.0	P
Selenium	15.00	40000.0	P
Silver	15.00	1000.0	P
Sodium	15.00	700000.0	P
Thallium	15.00	60000.0	P
Vanadium	15.00	50000.0	P
Zinc	15.00	60000.0	P

Comments:

4. Raw Data

For each reported value, the laboratory shall include in the data package all raw data used to obtain that value. This applies to all required QA/QC measurements, instrument standardization, as well as all sample analysis results. This does not apply to the Quarterly Verification of Instrument Parameters submitted as a part of each data package.

The order of the raw data in the data package shall be: ICP, Flame AA (if used), Furnace AA (if used), mercury, and cyanide (if a target analyte).

Raw data shall be labeled using EPA sample number convention in order to identify:

- calibration standards, including source and preparation date
- initial and continuing calibration blanks and preparation blanks
- initial and continuing calibration verification standards, interference check samples, ICP serial dilution samples, CRDL standard for ICP and AA (if used), Laboratory Control Sample, and post digestion spike
- diluted and undiluted samples (by client ID number) and all weights, dilutions, and volumes used to obtain the reported values
- duplicates
- spikes
- instrument used, including all data voided or data not used and a brief written explanation
- all information for furnace analysis (if used)
- date and time of each analysis (instrument run logs can be submitted if they contain this information
- integration time for AA analyses (if used)

Daily Instrument Profile

Nebulizer pressure: 31
Peak position: -0.009945
Peak intensity: 1009.63
Vernier position: 466

Maintenance: Cleaned Nebulizer

Printed: 6/15/2010 8:29:16 AM

Method(s) (circle one): ILM04.1 ILM05.4 (6010B) 200.7 Other _____

Operator(s): JK **Date/Time** 06/14/1431 to 06/15/0423

↑	Specified element(s) fail(s) high
↓	Specified element(s) fail(s) low
RR	Re-run sample(s) neat
RR #X	Re-run at a #-fold dilution
#X	Sample run at a #-fold dilution (aliquot of sample diluted with acidified water)
L	Matrix = leachate
W	Matrix = water
S	Matrix = solid
B	Matrix = biological tissue

SDG	Matrix	Comments
1005177	S	Sn RR PDS
1005182	W	Fe only complete
1005186	W	Fe only
1005187	W	TAL
1005196	W	TAL
1006010	W	TAL
1006011	W	TAL

ICP Run Log (P4)

File Name: P40614D

Sample ID	Client ID	Sample Type	DF	Date	Time	SDG	Action Needed
CAL1	S0 BLANK	CALIB STD	1	06/14/10	14:31:12		
CAL2	S RSTD-1	CALIB STD	1	06/14/10	14:38:21		
CAL4	S RSTD-3	CALIB STD	1	06/14/10	14:45:30		
CAL3	S RSTD-2	CALIB STD	1	06/14/10	14:51:05		
CAL5	S RSTD-4	CALIB STD	1	06/14/10	14:57:28		
ICV1	ICV1	ICV	1	06/14/10	15:03:04		
ICB1	ICB	ICB	1	06/14/10	15:10:13		
CRL1	CRI	CRI	1	06/14/10	15:17:21		
IFA1	ICSA	ICS	1	06/14/10	15:24:29		
IFB1	ICSAB	ICS	1	06/14/10	15:31:38		
CCV1	CCV	CCV	1	06/14/10	15:38:47		
CCB1	CCB	CCB	1	06/14/10	15:45:56		
LRS	LRS	LRS	1	06/14/10	15:54:44		

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Reviewed By: _____ Date: 6/15/10

ICP Run Log (P4)

File Name: P40614D

Sample ID	Client ID	Sample Type	DF	Date	Time	SDG	Action Needed
SRD1	MW0R6-5DL	SAMPLE	5	06/14/10	16:01:53	1006011	
0052628-PS1	59SB13-00	SAMPLE	1	06/14/10	16:09:02	1005177	
0060316-BLK1	PBW	PBW	1	06/14/10	16:16:10	1006010	
0060316-BS1	LCSW	LCS	1	06/14/10	16:23:18	1006010	
1006010-01	MW-1	SAMPLE	1	06/14/10	16:30:26	1006010	
0060316-DUP1	MW-1D	SAMPLE	1	06/14/10	16:37:34	1006010	
0060316-MS1	MW-1S	SAMPLE	1	06/14/10	16:44:42	1006010	
0060316-MSD1	MW-1SD	SAMPLE	1	06/14/10	16:51:50	1006010	
SRD2	MW-1L	SAMPLE	5	06/14/10	16:58:58	1006010	
CCV2	CCV	CCV	1	06/14/10	17:06:07		
CCB2	CCB	CCB	1	06/14/10	17:13:17		
0060316-PS1	MW-1A	SAMPLE	1	06/14/10	17:20:25	1006010	
1006010-02	MW-2	SAMPLE	1	06/14/10	17:30:40	1006010	
1006010-03	MW-2 DUP	SAMPLE	1	06/14/10	17:39:43	1006010	
1006010-04	MW-3	SAMPLE	1	06/14/10	17:46:52	1006010	
1006010-05	MW-4	SAMPLE	1	06/14/10	17:54:00	1006010	
0060320-BLK1	PBW	PBW	1	06/14/10	18:01:09	1005196	
0060320-BS1	LCSW	LCS	1	06/14/10	18:08:17	1005196	
1005196-01	MW-1	SAMPLE	1	06/14/10	18:15:26	1005196	
0060320-DUP1	MW-1D	SAMPLE	1	06/14/10	18:22:34	1005196	
0060320-MS1	MW-1S	SAMPLE	1	06/14/10	18:29:42	1005196	
CCV3	CCV	CCV	1	06/14/10	18:36:51		
CCB3	CCB	CCB	1	06/14/10	18:44:00		
0060320-MSD1	MW-1SD	SAMPLE	1	06/14/10	18:51:09	1005196	
SRD3	MW-1L	SAMPLE	5	06/14/10	18:58:17	1005196	
0060320-PS1	MW-1A	SAMPLE	1	06/14/10	19:05:25	1005196	
1005196-02	MW-2	SAMPLE	1	06/14/10	19:12:33	1005196	
1005196-03	MW-3	SAMPLE	1	06/14/10	19:19:41	1005196	
1005196-04	MW-2 DUP	SAMPLE	1	06/14/10	19:26:49	1005196	
1005196-06	MW-4	SAMPLE	1	06/14/10	19:33:57	1005196	
0060334-BLK1	PBW	PBW	1	06/14/10	19:41:05	1005187	
0060334-BS1	LCSW	LCS	1	06/14/10	19:48:14	1005187	

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Reviewed By: _____ Date: 6/15/10

ICP Run Log (P4)

File Name: P40614D

Sample ID	Client ID	Sample Type	DF	Date	Time	SDG	Action Needed
1005187-14	BBG-GW02	SAMPLE	1	06/14/10	19:55:22	1005187	
CCV4	CCV	CCV	1	06/14/10	20:02:32		
CCB4	CCB	CCB	1	06/14/10	20:09:41		
0060334-DUP1	BBG-GW02D	SAMPLE	1	06/14/10	20:16:50	1005187	
0060334-MS1	BBG-GW02S	SAMPLE	1	06/14/10	20:23:59	1005187	
0060334-MSD1	BBG-GW02SD	SAMPLE	1	06/14/10	20:31:07	1005187	
SRD4	BBG-GW02L	SAMPLE	5	06/14/10	20:38:15	1005187	
0060334-PS1	BBG-GW02A	SAMPLE	1	06/14/10	20:45:23	1005187	
1005187-01	BBG-GW10	SAMPLE	1	06/14/10	20:52:32	1005187	
1005187-02	FB-052510	SAMPLE	1	06/14/10	20:59:40	1005187	
1005187-03	BBG-GW01	SAMPLE	1	06/14/10	21:06:48	1005187	
1005187-04	EB1-052510	SAMPLE	1	06/14/10	21:13:57	1005187	
1005187-05	BBG-GW03	SAMPLE	1	06/14/10	21:21:05	1005187	
CCV5	CCV	CCV	1	06/14/10	21:28:14		
CCB5	CCB	CCB	1	06/14/10	21:35:24		
1005187-06	EB2-052510	SAMPLE	1	06/14/10	21:42:32	1005187	
1005187-07	BBG-GW09	SAMPLE	1	06/14/10	21:49:41	1005187	
1005187-08	BBG-GW09D	SAMPLE	1	06/14/10	21:56:49	1005187	
1005187-09	BBG-GW08	SAMPLE	1	06/14/10	22:03:57	1005187	
1005187-10	BBG-GW07	SAMPLE	1	06/14/10	22:11:06	1005187	
1005187-11	EB1-052710	SAMPLE	1	06/14/10	22:18:15	1005187	
1005187-12	BBG-GW04	SAMPLE	1	06/14/10	22:25:23	1005187	
1005187-13	BBG-GW03UCH	SAMPLE	1	06/14/10	22:32:32	1005187	
1005187-15	EB2-052710	SAMPLE	1	06/14/10	22:39:40	1005187	
1005187-16	EB3-052710	SAMPLE	1	06/14/10	22:46:49	1005187	
CCV6	CCV1	CCV	1	06/14/10	22:53:57		
CCB6	CCB1	CCB	1	06/14/10	23:01:06		
0060403-BLK1	PBW	PBW	1	06/14/10	23:08:20	1005182	
0060403-BS1	LCSW	LCS	1	06/14/10	23:15:29	1005182	
0060403-BSD1	LCSWD	LCS	1	06/14/10	23:22:37	1005182	
1005182-01	124MW08-10A	SAMPLE	1	06/14/10	23:29:46	1005182	
SRD5	124MW08-10AL	SAMPLE	5	06/14/10	23:36:54	1005182	

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Reviewed By: _____ Date: 6/15/10

ICP Run Log (P4)

File Name: P40614D

Sample ID	Client ID	Sample Type	DF	Date	Time	SDG	Action Needed
1005182-02	124MW02-10A	SAMPLE	1	06/14/10	23:44:03	1005182	
1005182-04	124MW05-10A	SAMPLE	1	06/14/10	23:51:11	1005182	
1005182-05	2842BMW01-10A	SAMPLE	1	06/14/10	23:58:20	1005182	
1005182-06	2842BMW06-10A	SAMPLE	1	06/15/10	00:05:29	1005182	
1005182-07	735MW06-10A	SAMPLE	1	06/15/10	00:12:37	1005182	
CCV7	CCV1	CCV	1	06/15/10	00:19:47		
CCB7	CCB1	CCB	1	06/15/10	00:26:56		
1005182-08	735SB16W-10A	SAMPLE	1	06/15/10	00:34:10	1005182	
1005182-09	735SB10W-10A	SAMPLE	1	06/15/10	00:41:18	1005182	
1005182-10	735SB11W-10A	SAMPLE	1	06/15/10	00:48:27	1005182	
1005182-11	735SB08W-10A	SAMPLE	1	06/15/10	00:55:36	1005182	
1005182-12	735SMW03-10A	SAMPLE	1	06/15/10	01:02:45	1005182	
1005182-17	735SMW05-10A	SAMPLE	1	06/15/10	01:09:53	1005182	
1005182-18	735MW01-10A	SAMPLE	1	06/15/10	01:17:02	1005182	
1005182-19	735SB9W-10A	SAMPLE	1	06/15/10	01:24:11	1005182	
1005182-20	735DW01-10A	SAMPLE	1	06/15/10	01:31:20	1005182	
1005182-21	735DW02-10A	SAMPLE	1	06/15/10	01:38:28	1005182	
CCV8	CCV1	CCV	1	06/15/10	01:45:37		
CCB8	CCB1	CCB	1	06/15/10	01:52:47		
0060405-BLK1	PBW	PBW	1	06/15/10	02:00:00	1005186	
0060405-BS1	LCSW	LCS	1	06/15/10	02:07:09	1005186	
0060405-BSD1	LCSWD	LCS	1	06/15/10	02:14:18	1005186	
1005186-01	1738MW02-10A	SAMPLE	1	06/15/10	02:21:26	1005186	
SRD6	1738MW02-10AL	SAMPLE	5	06/15/10	02:28:35	1005186	
1005186-02	1738MW01-10A	SAMPLE	1	06/15/10	02:35:44	1005186	
1005186-04	1738MW03-10A	SAMPLE	1	06/15/10	02:42:53	1005186	
1005186-05	1738MW05R-10A	SAMPLE	1	06/15/10	02:50:02	1005186	
1005186-10	1995MW01-10A	SAMPLE	1	06/15/10	02:57:11	1005186	
1005186-12	1995MW05-10A	SAMPLE	1	06/15/10	03:04:20	1005186	
CCV9	CCV1	CCV	1	06/15/10	03:11:29		
CCB9	CCB1	CCB	1	06/15/10	03:18:38		
1005186-13	1995MW07-10A	SAMPLE	1	06/15/10	03:25:47	1005186	

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Reviewed By: _____ Date: 6/15/10

ICP Run Log (P4)

File Name: P40614D

Sample ID	Client ID	Sample Type	DF	Date	Time	SDG	Action Needed
1005186-14	1995MW08-10A	SAMPLE	1	06/15/10	03:32:57	1005186	
1005186-15	1995MW09-10A	SAMPLE	1	06/15/10	03:40:06	1005186	
1005186-18	731MW02-10A	SAMPLE	1	06/15/10	03:47:15	1005186	
1005186-19	731MW04-10A	SAMPLE	1	06/15/10	03:54:24	1005186	
1005186-20	734MW01-10A	SAMPLE	1	06/15/10	04:01:33	1005186	
1005186-21	734MW02-10A	SAMPLE	1	06/15/10	04:08:42	1005186	
CCVA	CCV2	CCV	1	06/15/10	04:15:51		
CCBA	CCB2	CCB	1	06/15/10	04:23:00		

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Reviewed By: _____ Date: 6/15/10

Daily Standards/QC Preparation Log for Trace ICP (P3 & P4) 1 of 3 CompuChem a division of Liberty Analytical Corp. Worksheet 1 P(6) 2

STANDARDS and REAGENTS TRACEABILITY

Seq. File Name: P40614 D

Reagent	Ref #*	Manufacturer	Lot #	Expiration Date
HNO_3 [Baker Instra-analyzed Trace-Metals grade]	0E19001	JT Baker	J10027	05.19.15
HCl [Baker Instra-analyzed Trace-Metals grade]	0E20028	Caledon	72420	05.20.15
SM-770-027 multi-element standard mix (RSTD-1)	0F12002	High Purity	1015827	06/09/11
SM-770-028 part A multi-element standard mix (RSTD-2A)	9J22002	High Purity	0928011	10/12/2010
SM-770-028 part B multi-element standard mix (RSTD-2B)	9J22001	High Purity	0928012	10/12/2010
SM-770-029 part A multi-element standard mix (RSTD-3A)	0D14008	High Purity	0925430	04/09/11
SM-770-029 part B multi-element standard mix (RSTD-3B)	9G08005	High Purity	0906204	10/16/10
SM-770-030 multi-element standard mix (RSTD-4)	0F12003	High Purity	1015830	06/09/11
SPEX-R multi-element standard mix	0F12001	High Purity	1015828	06/09/11
ICP-AES-CRQL-R multi-element standard mix	9I04002	High Purity	0923808	08/28/10
ICV1 multi-element standard mix	0B04003	EPA	0307	02/04/11
ICSA multi-element standard mix	0B04002	EPA	1206	02/04/11
ICSB multi-element standard mix	0B04001	EPA	0203	02/04/11
SM-770-031 multi-element standard mix (PDS-R)	9I22001	High Purity	0926418	09/17/10
ARSENIC (As) 1,000 PPM single-element standard	9F17001	High Purity	0911221	12/05/10
Internal Mix	0B04004	High Purity	0934101	12/10/10
SM-770-040 multi-element CCV mix (Soln A)	0E03001	High Purity	1010910	04/21/11
SM-770-040 multi-element CCV mix (Soln B)	0E03001	High Purity	1010911	04/21/11
SM-770-042 (LRS 6010B)	0B23007	High Purity	1004021	02/10/11

Multi-Element Stock Standard Concentrations:

Stock Standard	Analyte Concentrations (ug/mL)
RSTD-1 multi-element standard mix	Cd:1,000 Cr:1,000 Cu:1,000 Pb:1,000 Ni:1,000 Se:1,000 Ag:100 Tl:1,000 Zn:1,000
RSTD-2A/2B multi-element standard mix	Part A: As:1,000 Ba:1,000 Be:1,000 Co:1,000 Mn:1,000 Mo:1,000 V:1,000 Part B: Fe:25,000
RSTD-3A/3B multi-element standard mix	Part A: Ca:10,000 Mg:10,000 K:10,000 Na:10,000 Part B: Al:10,000
RSTD-4 multi-element standard mix	Sb:1,000 Bi:1,000 B:1,000 Sn:1,000 Ti:1,000
SPEX-R multi-element standard mix	Mo:1,000 Sn:1,000 Bi:1,000 Ti:1,000 B:1,000
ICP-AES-CRQL-R multi-element standard mix	Ag:10 Be:5 Cd:5 Co:50 Cr:10 Cu:25 Mn:15 Ni:40 Tl:25 V:50 Zn:60 Pb:10 Se:35 As:10 Sb:60
PDS-R multi-element standard mix	Al:400 Ba:400 Ag:20 Be:10 Cd:10 Co:100 Cr:20 Cu:50 Fe:200 Mn:30 Ni:80 Tl:20 V:100 Zn:40 Pb:6 Se:10 As:20 Sb:120
Internal Mix	Li:50,000 Y:250
LRS 6010B multi-element standard mix	Al: 20 Sb:1 As:1 Ba:20 Be:0.5 Bi:2 B:2 Cd:0.5 Ca:500 Cr:1 Co:0.5 Cu:0.5 Fe:10 Pb:0.3 Mg:500 Mn:1 Mo:2 Ni:0.5 K:500 Se:0.5 Ti:0.5 V:2 Zn:2

Entered By: Sherry G. McDowell

Reviewed By: [signature]

Date: 6/15/10

*Ref# = Logbook ID, Page number, and item number from Materials Receipt Log

**High Purity is abbreviated "HP" on reporting forms

Daily Standards/QC Preparation Log for Trace ICP (P3 & P4) 2 of 3 CompuChem a division of Liberty Analytical Corp. Worksheet 1 P(6) 2

Standard Lot Number*	LIMS ID Number	Preparation instructions	Resultant Analyte Conc. (µg/L)
S0/ICB/CCB- 061210JCF	OF12004	Place in a 500 mL volumetric flask: 100 mL deionized water, 20 mL concentrated HNO_3, and 100 mL concentrated HCl. Bring up to volume with deionized water. Transfer to a 2L Teflon bottle and add 1.5L deionized water. Final volume 2 L. Prepare as needed.	N/A
RSTD-1- 06.12.10.SGM	OF12006	In a 200 mL volumetric flask, combine 150 mL deionized water, 2 mL concentrated HNO_3, and 10 mL concentrated HCl. Pipet 0.4 mL RSTD-1 into flask. Bring up to 200 mL volume with deionized water. Prepare as needed.	Cd:2,000 Cr:2,000 Cu:2,000 Pb:2,000 Ni:2,000 Se:2,000 Ag:200 Tl:2,000 Zn:2,000
RSTD-2- 06.12.10.SGM	OF12007	In a 200 mL volumetric flask, combine 150 mL deionized water, 2 mL concentrated HNO_3, and 10 mL concentrated HCl. Pipet 0.4 mL each RSTD-2A and RSTD-2B into flask. Bring up to 200 mL volume with deionized water. Prepare as needed.	As:2,000 Ba:2,000 Be:2,000 Co:2,000 Fe:50,000 Mn:2,000 Mo:2,000 V:2,000
RSTD-3- 06.12.10.SGM	OF12008	In a 200 mL volumetric flask, combine 150 mL deionized water, 2 mL concentrated HNO_3, and 10 mL concentrated HCl. Pipet 2.0 mL each RSTD-3A and RSTD-3B into flask. Bring up to 200 mL volume with deionized water. Prepare as needed.	K:100,000 Na:100,000 Al:100,000 Mg:100,000 Ca:100,000
RSTD-4- 06.12.10.SGM	OF12009	In a 200 mL volumetric flask, combine 150 mL deionized water, 2 mL concentrated HNO_3, and 10 mL concentrated HCl. Pipet 0.4 mL RSTD-4 into flask. Bring up to 200 mL volume with deionized water. Prepare as needed.	Sn:2,000 Bi:2,000 Tl:2,000 Sb:2,000 B:2,000
ICV1- 06.09.10-SGM	OF09010	Place in a 500 mL volumetric flask: 300 mL deionized water, 5 mL concentrated HNO_3, and 25 mL concentrated HCl. Pipet 50.0 mL ICV1 into flask and 0.55 mL Compuchem SPEX-R. Bring up to volume with deionized water. Transfer to a 500mL Teflon bottle. Final volume 500 mL. Prepare as needed.	Al:2,521 Ba:497 K:10,021 Mg:6,074 Na:10,097 Ca:10,026 Ag:501 Be:495 Cd:496 Co:499 Cr:490 Cu:492 Fe:5,082 Mn:499 Ni:503 Tl:1,028 V:501 Zn:1,025 Pb:1002 Se:1,029 As:999 Sb:994 Mo:1,100 Sn:1,100 Bi:1,100 Tl:1,100 B:1,100
CCV/CVS1- 06.10.10-SGM	OF10004	Place in a 500-mL volumetric flask: 300 mL deionized water, 20 mL concentrated HNO_3, and 100 mL concentrated HCl. Add 50 ml of SM-770-40 Soln A and Soln B. Bring up to volume with deionized water. Transfer to a 2000mL Teflon bottle and add 1.5 L of deionized water. Prepare as needed.	Al:50,000 Ba:1,000 K:50,000 Mg:50,000 Na:50,000 Ca:50,000 Ag:100 Be:1,000 Cd:1,000 Co:1,000 Cr:1,000 Cu:1,000 Fe:25,000 Mn:1,000 Ni:1,000 Tl:1,000 V:1,000 Zn:1,100 Pb:1,000 Se:1,000 As:1,000 Mo:1,000 Sn:1,000 Bi:1,000 Tl:1,000 Sb:1,000 B:1,000
LRS- 06.14.10 SGM	OF14001	In a 500 mL volumetric flask, combine 200 mL deionized water, 5 mL concentrated HNO_3 and 25 mL concentrated HCl. Pipet 5.0mL of LRS 6010B. Bring up to volume with deionized water and transfer to a 500mL Teflon bottle. Final volume 500 mL. Prepare as needed.	Al:200 Ba:200 K:5,000 Mg:5,000 Na:5,000 Ca:5,000 Ag:5 Be:5 Cd:5 Co:10 Cr:10 Cu:5 Fe:100 Mn:10 Ni:5 Tl:10 V:20 Zn:20 Pb:3 Se:5 As:10 Mo:20 Sn:20 Bi:20 Tl:20 Sb:10 B:20

Standard Solutions Prepared By: MGM/JCF

Entered By: [signature]

Reviewed By: [signature]

Date: 6/11

*Standard Lot Number consists of standard ID, date prepared, and initials of preparer.

03/25/10: jcf

Daily Standards/QC Preparation Log for Trace ICP (P3 & P4) 3 of 3 CompuChem a division of Liberty Analytical Corp. Worksheet 1 P(6) 2

Standard Lot Number*	LIMS ID Number	Preparation instructions	Resultant Analyte Conc. (µg/L)
As- 05.13.10 - JCF	OE13006	In a 100 mL volumetric flask, combine 50 mL deionized water, 1 mL concentrated HNO_3, 5 mL concentrated HCl, and 0.1 mL 1000-ppm As standard. Bring to final 100 mL volume	As:1,000
ICSA- 06.09.10-SQM	OF09008	In a 500-mL volumetric flask, combine 350 mL deionized water, 5 mL concentrated HNO_3, and 25 mL concentrated HCl. Pipet 50.0 mL ICSA into flask. Bring up to volume with deionized water and transfer to a 500mL Teflon bottle. Final volume 500 mL.	Al:244,100 Ba:2 Ca:234,900 Co:4 Cr:43 Cu:23 Fe:95,600 Mg:247,500 Mn:19 Ni:21 Zn:28 Pb:10
ICSAB- 06.09.10 - SQM	OF09009	In a 500-mL volumetric flask, combine 350 mL deionized water, 5 mL concentrated HNO_3, and 25 mL concentrated HCl. Pipet 50.0 mL ICSA and 50.0 mL ICSB into flask. Add 0.5 mL Compuchem SPEX-R. Bring up to volume with deionized water and transfer to a 500mL Teflon bottle. Final volume 500 mL.	Ag:206 Al:241,100 Ba:495 Be:475 Ca:231,100 Cd:940 Co:461 Cr:511 Cu:548 Fe:94,800 Mg:251,100 Mn:502 Ni:984 Tl:103 V:494 Zn:1028 Pb:61 Se:53 Sb:589 As:101 Sn:1,000 Bi:1,000 Mo:1,000 Tl:1,000 B:1,000
EPA-CRI- 06.12.10 - SQM	OF12005	In a 500 mL volumetric flask, combine 300 mL deionized water, 5 mL concentrated HNO_3, and 25 mL concentrated HCl. Pipet 0.50 mL ICP-AES-CRQL-R and 25 µL Compuchem SPEX-R into flask. Bring up to volume with deionized water and transfer to a 500mL Teflon bottle. Final volume 500 mL. Prepare as needed.	Ag:10 Be:5 Cd:5 Co:50 Cr:10 Cu:25 Mn:15 Ni:40 Tl:25 V:50 Zn:60 Pb:10 Se:35 As:10 Sb:60 Sn:50 B:50 Mo:50 Bi:50 Tl:50
P3RINSE- 06.09.10-JCF	OF09005	In a 10 L container, combine 8 L deionized water and 400 mL concentrated HNO_3 Fill with deionized water. Final volume 10 L.	N/A
P4RINSE- 06.09.10-JCF	OF09007	In a 10 L container, combine 8 L deionized water and 400 mL concentrated HNO_3 Fill with deionized water. Final volume 10 L.	N/A
P5RINSE- NA	NA	In a 10 L container, combine 8 L deionized water and 400 mL concentrated HNO_3 Fill with deionized water. Final volume 10 L.	N/A
P3INTSTD- 06.10.10-SQM	OF10002	In a 10 L container, combine 8 L deionized water, 400 mL concentrated HNO_3, and 200 mL Internal Mix. Fill with deionized water. Final volume 10 L.	Li:1,000,000 Y:5,000
P4INTSTD- 05.11.10 JCF	OE11004	In a 10 L container, combine 8 L deionized water, 400 mL concentrated HNO_3, and 200 mL Internal Mix. Fill with deionized water. Final volume 10 L.	Li:1,000,000 Y:5,000
P5INTSTD- NA	NA	In a 10 L container, combine 8 L deionized water, 400 mL concentrated HNO_3, and 200 mL Internal Mix. Fill with deionized water. Final volume 10 L.	Li:1,000,000 Y:5,000

Standard Solutions Prepared By: SQM / JCF

Entered By: [signature]

Reviewed By: [signature]

Date: 6/15/10

*Standard Lot Number consists of standard ID, date prepared, and initials of preparer.

03/25/10: jcf

METHOD: ALT-P4Q2 STANDARD: S0 BLANK
RUN TIME: 06/14/10 14:31:12

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
AVGE	.00400	.24486	.04391	.08108	.03387	.11069	.07529
SDEV	.00854	.00375	.00071	.00118	.00020	.00021	.00061
%RSD	213.60	1.5294	1.6098	1.4597	.58866	.19354	.80864
#1	.01200	.24510	.04472	.08148	.03410	.11048	.07594
#2	-.00500	.24847	.04343	.08202	.03373	.11068	.07474
#3	.00500	.24100	.04358	.07975	.03377	.11091	.07517

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
AVGE	-.00007	.63930	-.00161	.07133	.00175	.00044	.00015
SDEV	.00089	.00808	.00025	.02522	.00178	.00022	.00200
%RSD	1208.1	1.2643	15.578	35.353	102.09	49.273	1310.5
#1	-.00089	.64797	-.00177	.10008	.00379	.00022	.00244
#2	.00088	.63797	-.00132	.05291	.00053	.00044	-.00132
#3	-.00022	.63197	-.00174	.06101	.00092	.00065	-.00065

ELEM	NI2316	TL1908	V_2924	ZN2062	SB2068	AS1890	22031
AVGE	-.00146	-.00683	.00110	-.00007	.01384	-.00989	.06342
SDEV	.00127	.00451	.00039	.00025	.00201	.00230	.03554
%RSD	86.607	66.092	35.296	351.74	14.494	23.250	56.045
#1	.00000	-.00531	.00155	.00022	.01306	-.00930	.08126
#2	-.00220	-.01191	.00088	-.00022	.01235	-.00794	.02249
#3	-.00218	-.00327	.00087	-.00022	.01612	-.01242	.08651

ELEM	22032	19601	19602	SN1899	BI2230	MO2020	TI3349
AVGE	-.01385	-.05523	.06012	-.00931	.00411	.00220	-.00865
SDEV	.01279	.00848	.01508	.02751	.00134	.00111	.00040
%RSD	92.384	15.354	25.076	295.53	32.722	50.415	4.6164
#1	-.02723	-.05424	.07107	-.02435	.00554	.00332	-.00819
#2	-.01257	-.06416	.06636	-.02602	.00287	.00110	-.00882
#3	-.00174	-.04728	.04293	.02244	.00392	.00218	-.00893

METHOD: ALT-P4Q2 STANDARD: S RSTD-1
RUN TIME: 06/14/10 14:38:21

ELEM	AG3280	CD2265	CR2677	CU3247	NI2316	TL1908	ZN2062
AVGE	5.7634	20.208	4.5251	121.11	7.3868	6.2551	2.0215
SDEV	.0090	.169	.0458	.13	.0501	.0163	.0186
%RSD	.15550	.83863	1.0112	.10776	.67885	.26010	.92234
#1	5.7587	20.157	4.5635	120.96	7.3630	6.2681	2.0212
#2	5.7577	20.397	4.5372	121.19	7.4444	6.2604	2.0403
#3	5.7737	20.070	4.4745	121.18	7.3529	6.2369	2.0030

ELEM	22031	22032	19601	19602
AVGE	33.571	11.934	8.6523	16.881
SDEV	.204	.044	.0744	.051
%RSD	.60830	.36961	.86028	.30479
#1	33.740	11.947	8.6996	16.924
#2	33.628	11.970	8.6908	16.894
#3	33.344	11.885	8.5665	16.824

METHOD: ALT-P4Q2 STANDARD: S RSTD-3
RUN TIME: 06/14/10 14:45:30

ELEM	AL3082	CA3179	K_7664	MG2790	NA3302
AVGE	60.998	77.505	422.11	59.920	3.9367
SDEV	.626	.739	4.27	.685	.0417
%RSD	1.0256	.95341	1.0117	1.1427	1.0594
#1	60.807	77.388	422.35	59.993	3.9408
#2	60.490	76.832	417.72	59.202	3.8931
#3	61.697	78.296	426.25	60.566	3.9762

METHOD: ALT-P4Q2 STANDARD: S RSTD-2
RUN TIME: 06/14/10 14:51:05

ELEM	BA4934	BE3130	CO2286	FE2714	MN2576	V_2924	AS1890
AVGE	32.684	16.050	4.1971	5.7743	4.6454	3.5272	14.367
SDEV	.137	.012	.0244	.0391	.0281	.0381	.014
%RSD	.42009	.07231	.58100	.67784	.60475	1.0796	.09870
#1	32.826	16.056	4.2028	5.7467	4.6474	3.5710	14.371
#2	32.673	16.037	4.1703	5.7571	4.6163	3.5084	14.379
#3	32.552	16.058	4.2181	5.8191	4.6724	3.5021	14.351

ELEM	MO2020
AVGE	3.7789
SDEV	.0265
%RSD	.70110
#1	3.7487
#2	3.7898
#3	3.7982

METHOD: ALT-P4Q2 STANDARD: S RSTD-4
RUN TIME: 06/14/10 14:57:28

ELEM	SB2068	SN1899	BI2230	TI3349
AVGE	5.4428	20.291	4.0220	43.830
SDEV	.0323	.174	.0248	.282
%RSD	.59352	.85548	.61724	.64353
#1	5.4783	20.491	4.0473	43.693
#2	5.4153	20.194	4.0210	44.155
#3	5.4347	20.188	3.9977	43.643

METHOD: ALT-P4Q2 SAMPLE NAME: ICV1 OPERATOR:
RUN TIME: 06/14/10 15:03:04
COMMENT: ICV1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	503.9412	2449.324	496.8753	501.7985	9867.034	503.9860	512.1168
SDEV	.6895	10.674	5.9866	1.6401	34.226	2.8145	1.4437
%RSD	.1368303	.4357764	1.204846	.3268432	.3468738	.5584391	.2819089
#1	503.1541	2437.222	489.9930	500.0018	9834.760	500.8685	510.5927
#2	504.4389	2457.394	499.7555	503.2154	9902.925	506.3397	512.2939
#3	504.2306	2453.355	500.8774	502.1782	9863.417	504.7500	513.4638
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	501.0000	2521.000	497.0000	495.0000	10026.00	496.0000	499.0000
RANGE	10.40000	10.40000	10.40000	10.40000	10.40000	10.40000	10.40000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	504.6867	506.0661	4953.784	10832.03	6092.525	502.7907	9656.428
SDEV	4.6991	1.1027	30.251	55.45	37.441	1.0018	64.873
%RSD	.9310958	.2178942	.6106627	.5118772	.6145474	.1992399	.6718109
#1	499.6228	504.8986	4919.976	10768.39	6051.855	501.7323	9656.680
#2	505.5306	506.2100	4963.080	10857.85	6100.160	502.9159	9591.429
#3	508.9067	507.0898	4978.295	10869.86	6125.561	503.7241	9721.174
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	490.0000	492.0000	5082.000	10021.00	6074.000	499.0000	10097.00
RANGE	10.40000	10.40000	10.40000	10.40000	10.40000	10.40000	10.40000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	506.2041	1031.985	500.6209	992.8993	1004.656	999.5515	1004.158
SDEV	1.6536	1.417	1.2883	3.7807	5.875	2.9601	3.195
%RSD	.3266764	.1373350	.2573318	.3807786	.5847402	.2961440	.3181613
#1	504.4157	1032.667	500.6358	989.4471	997.9239	996.1335	1000.469
#2	507.6778	1030.355	501.9017	996.9396	1007.298	1001.280	1006.048
#3	506.5187	1032.931	499.3253	992.3111	1008.745	1001.241	1005.956
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	503.0000	1028.000	501.0000	1025.000	1002.000	1029.000	994.0000
RANGE	10.40000	10.40000	10.40000	10.40000	10.40000	10.40000	10.40000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	998.8596	1006.450	1003.756	1000.639	999.0062	1154.818	1155.659
SDEV	4.3761	4.300	6.662	4.430	4.1072	5.539	2.184
%RSD	.4381144	.4272632	.6637044	.4427312	.4111263	.4796838	.1889505
#1	993.8528	1001.543	996.1132	998.6584	994.8705	1148.870	1153.147
#2	1000.771	1008.246	1006.820	1005.713	999.0640	1159.830	1157.105
#3	1001.955	1009.560	1008.335	997.5438	1003.084	1155.752	1156.724
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	999.0000					1100.000	1100.000
RANGE	10.40000					10.40000	10.40000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1158.899	1167.883	4405.533
SDEV	6.803	1.911	7.630
%RSD	.5870337	.1636198	.1731922
#1	1151.204	1165.730	4413.667
#2	1164.116	1169.377	4398.533
#3	1161.378	1168.543	4404.400
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1100.000	1100.000	
RANGE	10.40000	10.40000	

METHOD: ALT-P4Q2 SAMPLE NAME: ICB OPERATOR:
RUN TIME: 06/14/10 15:10:13
COMMENT: ICB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.277794	.3261765	.0076614	.0552698	372.9270	-.059168	-.206600
SDEV	.138897	2.957339	.0347928	.1230669	2.5034	.062649	.697193
%RSD	50.00000	906.6686	454.1324	222.6655	.6712943	105.8829	337.4601
#1	-.138897	1.151461	.0415916	.1560868	371.5755	.0096024	.5242227
#2	-.416691	2.783209	-.027934	.0915931	371.3898	-.074115	-.864419
#3	-.277794	-2.95614	.0093266	-.081870	375.8158	-.112991	-.279604
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0971885	.1106687	-4.89267	-1440.95	-1.26590	.1082913	14.67356
SDEV	.1117137	.4518877	4.69277	2.55	.20611	.1072032	19.25620
%RSD	114.9454	408.3247	95.91445	.1769280	16.28204	98.99526	131.2305
#1	.0322726	-.304344	.0382098	-1438.50	-1.19141	-.015494	28.73049
#2	.0331094	.0442666	-5.41209	-1443.58	-1.49890	.1695755	-7.27479
#3	.2261835	.5920835	-9.30412	-1440.77	-1.10738	.1707926	22.56500
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0194210	.5972664	-.291331	.8207458	-.591550	.5757804	-.119150
SDEV	.5851233	.4173632	.313633	.3243332	1.121995	1.036430	.410552
%RSD	3012.832	69.87891	107.6552	39.51689	189.6704	180.0043	344.5680
#1	-.261591	.2779649	.0014107	1.105162	.5779589	.6869689	.0110880
#2	-.372185	.4443040	-.253061	.8895419	-1.65907	-.511761	.2104865
#3	.6920394	1.069530	-.622344	.4675337	-.693542	1.552133	-.579024
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.388131	-1.63016	-.075651	2.363328	-.319284	-.142891	-1.90301
SDEV	1.476653	2.21970	.865512	1.891359	.940278	2.182975	1.07987
%RSD	380.4527	136.1643	1144.081	80.02948	294.4962	1527.717	56.74522
#1	1.160369	.9314212	.3988455	3.758556	-.849169	-2.42617	-3.14338
#2	-1.78054	-2.83491	-1.07464	.2106389	-.875035	1.923607	-1.39331
#3	-.544226	-2.98700	.4488420	3.120789	.7663535	.0738855	-1.17233
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.236814	.0807097	4589.578
SDEV	.564166	.1430229	27.288
%RSD	45.61445	177.2065	.5945653
#1	1.873265	-.048321	4560.200
#2	.7982512	.0559570	4614.133
#3	1.038927	.2344934	4594.400
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: CRI OPERATOR:
RUN TIME: 06/14/10 15:17:21
COMMENT: CRI
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	9.329244	3.357808	.0236856	5.150948	373.9311	4.983338	50.66870
SDEV	.354686	5.213039	.0362744	.095779	3.1956	.482427	1.00961
%RSD	3.801875	155.2513	153.1493	1.859450	.8545963	9.680797	1.992576
#1	9.479715	-2.01561	.0373240	5.224561	371.2458	5.245039	51.01277
#2	9.583888	3.694928	.0511641	5.185621	373.0819	5.278363	51.46130
#3	8.924128	8.394105	-.017431	5.042660	377.4655	4.426612	49.53202
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	10.00000	.0000000	.0000000	5.000000	.0000000	5.000000	50.00000
RANGE	3.000000	400.0000	400.0000	1.500000	2000.000	1.500000	15.00000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	11.14902	26.12918	18.18854	-1441.94	3.123213	15.43403	-33.6998
SDEV	2.28482	.71524	27.68275	4.82	3.906962	.11722	15.9494
%RSD	20.49348	2.737308	152.1989	.3344724	125.0943	.7595083	47.32784
#1	9.394287	25.67543	-4.79165	-1436.89	.7323880	15.40531	-15.6503
#2	10.32019	25.75844	10.43628	-1442.42	1.005421	15.33384	-39.5552
#3	Q13.73258	26.95367	48.92098	-1446.50	7.631829	15.56294	-45.8940
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	10.00000	25.00000	.0000000	.0000000	.0000000	15.00000	.0000000
RANGE	3.000000	7.500000	200.0000	2000.000	2000.000	4.500000	2000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	43.22913	23.11834	50.22273	63.10692	8.725232	36.20589	64.23390
SDEV	.68313	.51606	.58197	.79150	.922545	.69947	2.11197
%RSD	1.580253	2.232265	1.158770	1.254224	10.57330	1.931910	3.287935
#1	42.44267	23.40177	50.88394	62.19437	8.111573	36.70340	62.62944
#2	43.67507	23.43058	49.78825	63.60704	9.786155	35.40612	63.44564
#3	43.56965	22.52268	49.99601	63.51934	8.277968	36.50814	66.62663
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	40.00000	25.00000	50.00000	60.00000	10.00000	35.00000	60.00000
RANGE	12.00000	12.50000	15.00000	18.00000	5.000000	10.50000	30.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	11.81275	4.231298	10.96586	32.98604	37.81075	49.76697	48.72680
SDEV	1.43022	6.607528	3.23935	6.69391	3.67196	.61419	1.32526
%RSD	12.10744	156.1584	29.54030	20.29315	9.711406	1.234141	2.719784
#1	11.33539	9.157556	7.586392	38.15741	35.97485	49.18150	50.05421
#2	10.68226	6.813804	11.26714	35.37541	35.41882	50.40633	48.72247
#3	Q13.42060	-3.27746	14.04404	25.42531	42.03859	49.71308	47.40370
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	NOCHECK
VALUE	10.00000					50.00000	
RANGE	3.000000					15.00000	

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	50.51577	51.50212	4568.911
SDEV	.59619	.78374	19.733
%RSD	1.180213	1.521763	.4318949
#1	51.10964	51.36258	4567.600
#2	50.52041	50.79753	4589.267
#3	49.91728	52.34626	4549.866
ERRORS	NOCHECK	NOCHECK	NOCHECK
VALUE			
RANGE			

METHOD: ALT-P4Q2 SAMPLE NAME: ICSA OPERATOR:
RUN TIME: 06/14/10 15:24:29
COMMENT: ICSA
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.520863	239186.4	2.480776	1.324524	246268.4	7.548727	-.638518
SDEV	.602443	1705.1	.141693	.177106	1544.8	.249803	.155571
%RSD	115.6624	.7128872	5.711623	13.37133	.6272636	3.309208	24.36440
#1	-.000000	237376.2	2.606104	1.521901	246281.5	7.780180	-.660663
#2	-1.18062	239420.8	2.327027	1.179483	247806.6	7.283924	-.473062
#3	-.381967	240762.2	2.509197	1.272188	244717.2	7.582075	-.781831
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	244100.0	2.000000	.0000000	234900.0	.0000000	4.000000
RANGE	10.00000	48820.00	400.0000	10.00000	46980.00	10.00000	10.00000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	41.70064	23.08022	92519.77	-1438.81	255595.9	18.46880	808.7232
SDEV	1.25105	.11777	412.58	10.08	1040.9	.26951	139.5552
%RSD	3.000077	.5102761	.4459329	.7004557	.4072357	1.459245	17.25624
#1	40.31172	22.95295	92614.09	-1429.89	254919.1	18.27453	893.5805
#2	42.73906	23.18536	92877.02	-1449.74	256794.4	18.77647	647.6561
#3	42.05115	23.10236	92068.20	-1436.80	255074.0	18.35538	884.9330
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	43.00000	23.00000	95600.00	.0000000	247500.0	19.00000	.0000000
RANGE	20.00000	10.00000	19120.00	2000.000	49500.00	20.00000	2000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	20.92287	8.436256	-4.97687	30.98218	6.823221	-4.15366	-.146955
SDEV	.65509	6.816483	2.17688	.88877	1.095708	1.13372	.888193
%RSD	3.130992	80.79985	43.73988	2.868663	16.05852	27.29440	604.3990
#1	21.38478	11.33898	-3.36931	30.22524	6.890853	-5.16089	-.959505
#2	21.21070	.6488800	-7.45415	30.76047	7.883546	-4.37421	-.282629
#3	20.17314	13.32091	-4.10715	31.96082	5.695262	-2.92587	.8012695
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	21.00000	.0000000	1.000000	28.00000	10.00000	.0000000	.0000000
RANGE	10.00000	20.00000	40.00000	40.00000	6.000000	10.00000	20.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.755782	-22.4702	21.44437	-5.15207	-3.65806	-1.65271	2.091843
SDEV	.932265	16.5758	9.43915	22.33220	11.28546	5.42978	2.761541
%RSD	123.3511	73.76820	44.01691	433.4611	308.5094	328.5381	132.0147
#1	-1.76972	-8.76784	14.70494	11.40578	-13.4346	1.370608	3.920004
#2	.0643345	-40.8947	32.23248	-30.5513	8.691833	-7.92117	-1.08486
#3	-.561957	-17.7479	17.39569	3.689338	-6.23139	1.592433	3.440391
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	20.00000					100.0000	100.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-1.94134	-4.57406	4227.777
SDEV	2.24404	.42352	55.651
%RSD	115.5921	9.259098	1.316326
#1	.0787771	-5.06034	4290.466
#2	-4.35677	-4.28601	4184.200
#3	-1.54604	-4.37584	4208.667
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	100.0000	100.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: ICSAB OPERATOR:
RUN TIME: 06/14/10 15:31:38
COMMENT: ICSAB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	208.8547	238356.9	483.9592	494.9246	259283.9	982.5563	492.2350
SDEV	.7499	1736.8	5.2633	5.0453	3360.1	8.9148	3.8589
%RSD	.3590364	.7286543	1.087541	1.019411	1.295929	.9073037	.7839628
#1	208.0676	236547.8	483.1067	489.3724	255455.6	972.7292	488.3943
#2	209.5608	240011.0	489.5967	499.2289	261744.6	990.1241	492.1986
#3	208.9357	238511.9	479.1743	496.1724	260651.4	984.8155	496.1119
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	206.0000	241100.0	495.0000	475.0000	231100.0	940.0000	461.0000
RANGE	41.20000	48220.00	400.0000	95.00000	46220.00	188.0000	92.20000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	536.1320	538.5035	96089.77	-1436.10	260433.2	518.7463	786.7496
SDEV	7.5536	1.4956	1055.47	3.84	2870.1	5.6532	46.1093
%RSD	1.408914	.2777241	1.098424	.2675486	1.102039	1.089776	5.860739
#1	527.7004	536.9707	94875.81	-1432.02	257192.0	512.7346	800.6605
#2	542.2812	539.9588	96790.37	-1436.64	262652.2	519.5490	824.3018
#3	538.4144	538.5809	96603.11	-1439.65	261455.5	523.9551	735.2864
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	511.0000	548.0000	94800.00	.0000000	251100.0	502.0000	.0000000
RANGE	102.2000	109.6000	18960.00	2000.000	50220.00	100.4000	2000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1004.111	106.4325	488.2824	993.9088	54.19477	49.73723	608.1326
SDEV	9.019	2.7446	4.2741	11.2503	.32520	.51284	5.9991
%RSD	.8982176	2.578746	.8753243	1.131920	.6000572	1.031108	.9864735
#1	995.4627	108.5641	483.9334	981.6290	54.46779	50.09338	602.4852
#2	1013.460	107.3978	492.4774	996.3781	53.83499	49.96889	614.4304
#3	1003.410	103.3357	488.4365	1003.719	54.28153	49.14943	607.4822
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	984.0000	103.0000	494.0000	1028.000	61.00000	53.00000	589.0000
RANGE	196.8000	20.60000	98.80000	205.6000	12.20000	10.60000	117.8000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	99.97702	36.86648	62.84224	58.83200	45.19390	999.3222	1016.668
SDEV	2.84600	1.50985	.50601	5.86368	2.15856	8.9983	9.894
%RSD	2.846658	4.095448	.8052013	9.966823	4.776218	.9004433	.9731753
#1	96.80164	38.60897	62.38118	62.89994	43.69694	989.2729	1007.592
#2	102.2978	35.94595	62.76194	61.48542	44.21648	1002.060	1027.215
#3	100.8316	36.04452	63.38359	52.11063	47.66827	1006.633	1015.196
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	101.0000					1000.000	1000.000
RANGE	20.20000					200.0000	200.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	982.1599	995.3803	4371.444
SDEV	14.2752	8.8624	14.790
%RSD	1.453452	.8903559	.3383316
#1	967.6583	988.3455	4388.400
#2	996.1974	1005.334	4361.200
#3	982.6239	992.4612	4364.733
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	200.0000	200.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV OPERATOR:
RUN TIME: 06/14/10 15:38:47
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	105.3533	47227.39	960.5215	1029.922	50877.12	1016.927	1005.796
SDEV	.3524	1086.69	19.5744	22.920	1176.93	31.079	37.216
%RSD	.3344999	2.300964	2.037896	2.225444	2.313288	3.056213	3.700182
#1	104.9714	46672.54	949.3851	1017.312	50193.32	994.2205	982.9124
#2	105.6658	48479.48	983.1233	1056.379	52236.11	1052.348	1048.739
#3	105.4228	46530.13	949.0560	1016.076	50201.91	1004.213	985.7372
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1012.229	1021.063	24656.53	49414.68	50527.10	1003.189	49309.08
SDEV	30.277	2.904	774.15	1222.21	1523.03	35.052	995.25
%RSD	2.991102	.2844546	3.139723	2.473365	3.014275	3.494057	2.018394
#1	989.0239	1019.215	24069.25	48627.29	49412.04	978.8779	48631.26
#2	1046.477	1024.411	25533.80	50822.67	52262.38	1043.369	50451.70
#3	1001.186	1019.564	24366.53	48794.07	49906.87	987.3204	48844.29
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1014.692	995.1388	1005.444	1121.261	997.4636	996.2869	1026.782
SDEV	31.529	23.1485	26.451	33.235	30.2392	27.4197	31.393
%RSD	3.107233	2.326155	2.630768	2.964037	3.031614	2.752191	3.057406
#1	991.3076	974.1329	990.9172	1097.520	971.6800	976.9357	999.6183
#2	1050.550	1019.957	1035.975	1159.243	1030.747	1027.665	1061.151
#3	1002.220	991.3268	989.4401	1107.020	989.9638	984.2603	1019.576
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1006.240	994.1042	999.1378	1003.936	992.4658	1010.239	996.4040
SDEV	25.146	31.2212	29.8689	32.452	25.0424	31.418	27.2571
%RSD	2.499054	3.140637	2.989467	3.232508	2.523249	3.109996	2.735551
#1	988.1520	970.0615	972.4852	984.1320	973.3405	986.2972	974.0739
#2	1034.956	1029.390	1031.421	1041.388	1020.811	1045.815	1026.778
#3	995.6134	982.8613	993.5067	986.2873	983.2457	998.6041	988.3603
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1027.724	1013.433	4565.800
SDEV	31.542	18.365	110.633
%RSD	3.069140	1.812171	2.423089
#1	998.6402	1000.941	4637.667
#2	1061.253	1034.520	4438.400
#3	1023.278	1004.839	4621.333
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB OPERATOR:
RUN TIME: 06/14/10 15:45:56
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0347242	19.79153	.0982709	.1098395	392.3946	.0337405	-.064469
SDEV	.2430696	16.08350	.1148054	.0734375	14.3448	.0898486	.333857
%RSD	700.0000	81.26456	116.8253	66.85890	3.655711	266.2927	517.8574
#1	-.138897	8.494383	.0824156	.0646785	383.0059	-.068863	-.026156
#2	-.069448	12.67454	-.007783	.0702635	385.2711	.0717325	-.415830
#3	.3125181	38.20568	.2201799	.1945764	408.9069	.0983521	.2485787
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4835876	.1106691	10.93412	-1435.72	24.07965	.2631327	24.49670
SDEV	.0537352	.0862585	9.35586	4.55	15.09833	.0922092	29.39547
%RSD	11.11178	77.94274	85.56570	.3168058	62.70161	35.04285	119.9976
#1	.5154864	.0608677	.1890667	-1435.64	14.81604	.1698638	58.26987
#2	.5137286	.0608677	15.33715	-1440.30	15.92089	.3542443	10.54670
#3	.4215478	.2102718	17.27615	-1431.21	41.50203	.2652899	4.673540
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6713009	-1.97346	-.285969	.6802830	-.335974	-.059619	-1.20555
SDEV	.8854025	1.46071	.360400	.2114450	.127891	1.440669	1.76852
%RSD	131.8935	74.01772	126.0277	31.08192	38.06588	2416.460	146.6984
#1	-.315104	-.542993	-.495951	.6794502	-.245640	1.136178	.7663565
#2	1.397294	-3.46264	-.492136	.4692555	-.482315	.3440214	-1.73176
#3	.9317133	-1.91474	.1301795	.8921431	-.279967	-1.65906	-2.65124
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3781965	-1.19710	.0913187	1.917175	-1.04916	-.732772	-1.09956
SDEV	1.562705	3.05820	1.342260	1.522842	1.40697	1.442859	.93827
%RSD	413.1992	255.4673	1469.863	79.43159	134.1049	196.9042	85.33123
#1	.4032090	.1822574	-.461892	3.036883	.1846390	-2.09313	-.085247
#2	-1.19686	-4.70203	1.621770	2.531517	-.750697	-.885613	-1.93644
#3	1.928245	.9284685	-.885922	.1831235	-2.58141	.7804233	-1.27698
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.193369	.1248642	4598.244
SDEV	.545638	.1070272	28.341
%RSD	45.72245	85.71487	.6163513
#1	1.498263	.0350617	4602.200
#2	.5634287	.0962369	4624.400
#3	1.518416	.2432941	4568.133
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: LRS OPERATOR:
RUN TIME: 06/14/10 15:54:44
COMMENT: SDG:LRS CLIENTID:LRS 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3.333526	210.8924	197.2748	5.581226	5074.258	4.849352	3.789342
SDEV	.104173	9.6173	1.6445	.060987	39.576	.442446	.443228
%RSD	3.124997	4.560267	.8335896	1.092716	.7799437	9.123817	11.69670
#1	3.437699	206.2000	197.2187	5.581657	5049.140	4.519165	3.728638
#2	3.229354	204.5222	195.6590	5.520026	5053.755	4.676820	3.379595
#3	3.333526	221.9552	198.9465	5.641997	5119.879	5.352071	4.259793
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	7.500000	300.0000	300.0000	7.500000	7500.000	7.500000	7.500000
LOW	2.500000	100.0000	100.0000	2.500000	2500.000	2.500000	2.500000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	9.916472	5.218088	63.16936	4867.176	5093.419	10.17610	4797.506
SDEV	.273791	.133150	7.35164	19.628	47.944	.25771	15.014
%RSD	2.760971	2.551692	11.63798	.4032764	.9412943	2.532502	.3129614
#1	9.691488	5.090817	61.23296	4882.626	5100.489	10.05791	4807.873
#2	9.836613	5.207022	56.97974	4845.090	5042.333	9.998688	4804.356
#3	10.22131	5.356426	71.29538	4873.811	5137.435	10.47171	4780.288
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	15.00000	7.500000	150.0000	7500.000	7500.000	15.00000	7500.000
LOW	5.000000	2.500000	50.00000	2500.000	2500.000	5.000000	2500.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	6.073826	9.214942	20.15353	20.95072	1.842283	4.774175	10.36662
SDEV	.014206	.959409	.48242	.27238	.694458	.918984	2.05148
%RSD	.2338850	10.41145	2.393733	1.300106	37.69552	19.24908	19.78929
#1	6.060059	8.245534	20.26431	20.68093	L1.497223	4.549532	11.82266
#2	6.088433	9.235264	19.62536	21.22562	L1.387938	3.988340	8.020411
#3	6.072985	10.16403	20.57093	20.94560	2.641687	5.784652	11.25679
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	7.500000	15.00000	30.00000	30.00000	4.500000	7.500000	15.00000
LOW	2.500000	5.000000	10.00000	10.00000	1.500000	2.500000	5.000000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	10.33127	-.306650	2.912268	3.352492	5.481195	19.70938	17.92723
SDEV	.46519	1.718227	.185636	3.175085	1.609673	1.38471	.83593
%RSD	4.502765	560.3226	6.374276	94.70821	29.36719	7.025629	4.662915
#1	10.84337	-1.21453	2.847964	-.228231	6.932074	21.22674	17.18876
#2	10.21563	-1.38049	2.767333	4.460957	3.749644	18.51408	17.75816
#3	9.934804	1.675073	3.121506	5.824750	5.761869	19.38732	18.83478
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	15.00000					30.00000	30.00000
LOW	5.000000					10.00000	10.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	20.97336	20.39612	4381.289
SDEV	.45460	.22696	18.004
%RSD	2.167510	1.112745	.4109236
#1	21.48850	20.29901	4375.533
#2	20.62840	20.23388	4401.466
#3	20.80320	20.65548	4366.866
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	30.00000	30.00000	
LOW	10.00000	10.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: SDI1006011-01 OPERATOR:
RUN TIME: 06/14/10 16:01:53
COMMENT: SDG:1006011 CLIENTID:MW0R6-5DL 1:5
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.011575	30.35731	.0299113	.7443122	385.6049	-.144405	-.976486
SDEV	.246355	15.44197	.0797993	.0776181	9.5696	.142263	.409199
%RSD	2128.381	50.86737	266.7870	10.42816	2.481699	98.51695	41.90527
#1	-.277794	15.96075	-.014413	.6916267	378.3475	-.286999	-1.39372
#2	.0347242	28.44468	-.017887	.7078636	382.0172	-.002475	-.575828
#3	.2083454	46.66650	.1220337	.8334461	396.4498	-.143740	-.959908
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.043355	-.409480	-9.99315	L-1442.47	8.440313	.1545180	-33.1430
SDEV	1.391536	.552658	27.20412	4.99	15.33028	.2488457	16.7911
%RSD	3209.641	134.9658	272.2278	.3461350	181.6317	161.0464	50.66238
#1	-1.63274	-1.01816	-41.3175	L-1442.62	-5.50861	-.109554	-26.9552
#2	.5469515	-.271143	3.630567	L-1447.39	5.976128	.1884538	-52.1499
#3	.9557204	.0608677	7.707446	L-1437.41	24.85342	.3846543	-20.3240
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0726702	-3.08256	-.184963	.5192454	-1.27113	-.623100	-2.29620
SDEV	1.213249	4.44013	.201308	1.642580	1.13369	.333995	2.92914
%RSD	1669.527	144.0403	108.8368	316.3399	89.18768	53.60210	127.5649
#1	-1.32640	-8.17862	-.236333	-1.37312	-2.55766	-.319504	-5.67008
#2	.7096377	-1.02177	-.355608	1.354631	-.418357	-.980870	-.815469
#3	.8347774	-.047293	.0370526	1.576228	-.837381	-.568925	-.403037
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.42623	2.759631	-3.28630	-1.07912	-.398236	-.273540	-1.19921
SDEV	4.28140	6.932791	5.14723	8.07408	3.724659	2.070355	1.33232
%RSD	176.4629	251.2217	156.6272	748.2118	935.2900	756.8751	111.0997
#1	L-7.12823	10.76111	-9.20989	8.062235	-4.50692	1.993452	-2.51443
#2	1.247190	-1.45529	.0965360	-4.06311	.5551442	-2.06425	-1.23279
#3	-1.39766	-1.02693	-.745532	-7.23648	2.757069	-.749821	.1495815
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.545076	-.319605	4307.689
SDEV	.809354	.570166	36.986
%RSD	148.4844	178.3971	.8586053
#1	-.416021	-.939681	4266.333
#2	.1919955	-.201190	4319.133
#3	-1.41120	.1820551	4337.600
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0052628-PS1 OPERATOR:
RUN TIME: 06/14/10 16:09:02
COMMENT: SDG:1005177 CLIENTID:59SB13-00 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	19.44557	240399.1	653.2709	11.91259	155381.0	21.04848	207.5275
SDEV	.30864	745.7	9.6207	.27562	1073.3	1.22083	1.5221
%RSD	1.587179	.3101778	1.472693	2.313692	.6907554	5.800093	.7334462
#1	19.34140	241228.4	664.2960	12.17784	154637.0	22.30871	208.7983
#2	19.79281	239784.0	646.5785	11.93228	154894.5	19.87128	205.8406
#3	19.20250	240185.0	648.9381	11.62766	156611.4	20.96547	207.9436
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	63.02829	732.9174	219117.7	2593.727	74173.09	3052.162	9655.351
SDEV	.66936	3.1994	408.4	39.465	225.68	18.346	34.181
%RSD	1.062006	.4365342	.1863815	1.521543	.3042664	.6010897	.3540096
#1	62.32255	729.3206	218757.3	2636.710	74426.02	3051.293	9661.903
#2	63.10822	733.9854	219034.4	2585.344	73992.26	3034.265	9685.781
#3	63.65410	735.4463	219561.3	2559.128	74101.02	3070.927	9618.368
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	123.8611	41.41816	916.4252	475.5954	36.92104	3.461218	125.6424
SDEV	1.1505	7.11593	7.3111	1.9514	1.68029	4.501720	1.2907
%RSD	.9288457	17.18070	.7977822	.4103155	4.551050	130.0617	1.027262
#1	124.4038	42.66089	923.9162	473.3526	35.24249	2.692025	125.3714
#2	122.5396	47.83087	909.3084	476.5282	36.91755	-.606347	124.5088
#3	124.6398	33.76273	916.0511	476.9053	38.60307	8.297977	127.0471
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	19.09656	17.59601	46.56556	7.017359	1.683009	16.65876	-2.27623
SDEV	.23679	6.10426	4.74555	2.518280	6.255849	1.06743	1.21669
%RSD	1.239953	34.69115	10.19112	35.88644	371.7063	6.407646	53.45227
#1	19.03830	17.17097	44.26116	9.351152	-.635384	15.89583	-2.39800
#2	19.35704	23.90169	43.41224	4.348199	-3.08270	16.20184	-1.00322
#3	18.89434	11.71538	52.02329	7.352727	8.767105	17.87860	-3.42745
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-3.17761	4574.956	4323.777
SDEV	1.03186	17.493	49.592
%RSD	32.47292	.3823616	1.146954
#1	-2.16752	4578.365	4267.667
#2	-3.13537	4590.493	4341.933
#3	-4.22995	4556.009	4361.733
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0060316-BLK1 OPERATOR:
RUN TIME: 06/14/10 16:16:10
COMMENT: SDG:1006010 CLIENTID:PBW 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0231495	26.30059	-.002257	.5771239	389.7976	-.227136	-.989874
SDEV	.3745284	3.68657	.062656	.1895906	.2077	.140459	.310319
%RSD	1617.869	14.01707	2776.341	32.85094	.0532922	61.83926	31.34929
#1	.4514150	30.50466	.0700899	.7953325	389.9923	-.213573	-.645028
#2	-.243070	23.61964	-.038923	.4527437	389.5789	-.373884	-1.07799
#3	-.138897	24.77746	-.037938	.4832955	389.8215	-.093950	-1.24661
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000
LOW	-5.00000	-200.000	-200.000	-5.00000	-5000.00	-5.00000	-5.00000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.5253505	.5810164	13.60197	-1442.04	5.720773	.2416916	168.0402
SDEV	.2576025	.0851873	1.97747	6.03	1.119301	.1161053	67.1509
%RSD	49.03441	14.66177	14.53814	.4182335	19.56556	48.03860	39.96119
#1	.2330629	.6750861	15.59206	-1435.08	4.442030	.3757562	240.4935
#2	.6236923	.5090809	13.57648	-1445.46	6.522767	.1753317	107.8943
#3	.7192962	.5588822	11.63736	-1445.60	6.197522	.1739870	155.7329
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000
LOW	-5.00000	-5.00000	-100.000	-5000.00	-5000.00	-10.0000	-5000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4202444	-3.83656	-.110962	1.686810	1.323654	.3711982	5.280108
SDEV	.5671310	.83247	.249024	.443219	.397343	.6093529	.661198
%RSD	134.9527	21.69828	224.4234	26.27560	30.01868	164.1583	12.52242
#1	1.071508	-3.57397	-.102484	1.338490	1.641633	1.068861	5.608871
#2	.1540192	-3.16704	-.364116	2.185698	1.451105	-.056758	5.712484
#3	.0352057	-4.76865	.1337149	1.536242	.8782227	.1014913	4.518971
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000
LOW	-40.0000	-10.0000	-20.0000	-20.0000	-3.00000	-5.00000	-10.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.855332	2.831591	.5681279	-9.14331	5.118633	.8900808	-.726093
SDEV	2.388071	1.981615	.5882705	1.47400	1.606901	.5357482	1.928285
%RSD	279.1981	69.98238	103.5454	16.12110	31.39317	60.19097	265.5698
#1	1.882463	3.259724	.8310708	-10.5594	6.871537	.7710475	1.467158
#2	-1.93920	4.564144	-.105753	-7.61751	3.715278	1.475334	-1.49028
#3	-2.50925	.6709063	.9790660	-9.25304	4.769083	.4238603	-2.15516
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	10.00000					100.0000	50.00000
LOW	-10.0000					-100.000	-50.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.458213	-.226123	4492.578
SDEV	.511802	.061731	62.222
%RSD	111.6951	27.29997	1.385002
#1	-1.04495	-.259875	4421.800
#2	-.103615	-.154874	4517.267
#3	-.226078	-.263618	4538.667
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	5.000000	40.00000	
LOW	-5.00000	-40.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0060316-BS1 OPERATOR:
RUN TIME: 06/14/10 16:23:18
COMMENT: SDG:1006010 CLIENTID:LCSW 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1054.621	20593.27	20235.19	538.2933	52632.91	522.7899	5195.811
SDEV	2.024	261.58	311.44	7.8657	741.06	7.5691	101.233
%RSD	.1919158	1.270209	1.539086	1.461223	1.407970	1.447833	1.948362
#1	1053.742	20748.38	20456.04	540.9020	52914.71	526.1323	5237.571
#2	1056.936	20740.17	20370.56	544.5232	53191.73	528.1125	5269.484
#3	1053.186	20291.27	19878.98	529.4547	51792.29	514.1249	5080.378
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1200.000	24000.00	24000.00	600.0000	60000.00	600.0000	6000.000
LOW	800.0000	16000.00	16000.00	400.0000	40000.00	400.0000	4000.000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1055.920	2702.035	10163.40	53481.43	51927.92	1567.514	53075.21
SDEV	12.644	6.549	128.47	460.73	855.42	21.931	522.18
%RSD	1.197456	.2423694	1.264043	.8614851	1.647318	1.399077	.9838507
#1	1060.159	2699.717	10216.21	53651.03	52288.11	1579.210	53448.31
#2	1065.899	2709.428	10257.04	53833.33	52544.34	1581.117	53298.87
#3	1041.700	2696.961	10016.94	52959.94	50951.31	1542.214	52478.45
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1200.000	3000.000	12000.00	60000.00	60000.00	1800.000	60000.00
LOW	800.0000	2000.000	8000.000	40000.00	40000.00	1200.000	40000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	4143.151	1017.505	5332.556	2055.018	304.5932	488.6028	6367.759
SDEV	67.646	20.463	127.291	38.929	4.6644	6.3000	81.868
%RSD	1.632714	2.011063	2.387051	1.894362	1.531350	1.289387	1.285666
#1	4170.928	1032.570	5418.572	2071.444	303.0292	492.4530	6406.152
#2	4192.488	1025.737	5392.767	2083.041	309.8386	492.0230	6423.374
#3	4066.039	994.2086	5186.331	2010.567	300.9117	481.3325	6273.750
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	4800.000	1200.000	6000.000	2400.000	360.0000	600.0000	7200.000
LOW	3200.000	800.0000	4000.000	1600.000	240.0000	400.0000	4800.000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1029.004	295.9345	308.9125	474.2421	495.7697	1046.130	1049.672
SDEV	16.146	21.8062	6.8977	22.6578	2.2454	12.220	19.663
%RSD	1.569056	7.368590	2.232882	4.777686	.4529198	1.168103	1.873276
#1	1036.259	305.0416	302.0209	490.6635	493.3437	1051.747	1062.752
#2	1040.249	311.7108	308.9003	483.6701	496.1904	1054.533	1059.205
#3	1010.503	271.0510	315.8162	448.3925	497.7750	1032.112	1027.059
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	1200.000					1205.000	1205.000
LOW	800.0000					795.0000	795.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1063.819	1072.705	4366.956
SDEV	17.862	13.306	44.903
%RSD	1.679091	1.240446	1.028246
#1	1074.231	1079.173	4340.400
#2	1074.031	1081.540	4341.667
#3	1043.193	1057.401	4418.800
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	1205.000	1205.000	
LOW	795.0000	795.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1006010-01 OPERATOR:
RUN TIME: 06/14/10 16:30:26
COMMENT: SDG:1006010 CLIENTID:MW-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.173621	32.69310	7.347064	.8019365	565.8824	.1705403	1.771899
SDEV	.262162	6.60953	.030661	.1578677	1.0001	.0567836	.637615
%RSD	150.9967	20.21688	.4173269	19.68581	.1767342	33.29628	35.98485
#1	.1041727	38.95272	7.317251	.9344475	566.7547	.1769721	2.452790
#2	-.416691	25.78193	7.378509	.6272705	566.1018	.1108147	1.188876
#3	-.208345	33.34466	7.345432	.8440913	564.7909	.2238342	1.674031
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.031936	.0664007	16775.44	L-1219.67	504.5939	174.0717	3734.551
SDEV	.434726	.1105315	83.66	2.29	7.0353	.9389	33.170
%RSD	42.12728	166.4613	.4986760	.1881033	1.394244	.5393900	.8882000
#1	1.384013	.0940679	16871.98	L-1217.02	511.2194	175.0852	3759.816
#2	.5460290	.1604704	16724.30	L-1220.93	505.3521	173.8986	3746.850
#3	1.165765	-.055336	16730.04	L-1221.06	497.2102	173.2314	3696.988
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.707091	-3.61140	-.514012	6.320214	3.048757	.7962242	6.297339
SDEV	.702192	1.25859	.203623	.485683	.489409	.1313558	.413972
%RSD	41.13385	34.85054	39.61440	7.684590	16.05274	16.49734	6.573754
#1	2.182061	-2.38913	-.341579	6.811111	3.476561	.8268414	6.252882
#2	.9005045	-4.90342	-.461800	5.839920	2.515075	.6522638	6.731744
#3	2.038709	-3.54166	-.738657	6.309611	3.154634	.9095675	5.907389
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.24727	4.025345	2.558394	-11.4433	6.904033	-1.20600	-1.84862
SDEV	1.41258	1.074715	.559929	2.0067	1.097846	2.06826	.64360
%RSD	113.2542	26.69870	21.88596	17.53585	15.90152	171.4975	34.81513
#1	-2.83984	4.021720	3.201570	-13.7035	8.078319	-2.97721	-1.10850
#2	-.756226	2.952447	2.293930	-9.87116	5.903303	1.066985	-2.16043
#3	-.145735	5.101868	2.179680	-10.7553	6.730478	-1.70778	-2.27691
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.1115190	-.118082	4309.333
SDEV	.5118368	.020593	26.333
%RSD	458.9682	17.43942	.6110795
#1	-.293910	-.114387	4280.267
#2	-.058188	-.140273	4331.600
#3	.6866546	-.099587	4316.133
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0060316-DUP1 OPERATOR:
RUN TIME: 06/14/10 16:37:34
COMMENT: SDG:1006010 CLIENTID:MW-1D 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.034724	33.54116	7.444355	.7933043	560.7889	.1891315	1.804212
SDEV	.091872	3.05996	.046196	.0635062	.6680	.0897047	.206534
%RSD	264.5751	9.122988	.6205453	8.005276	.1191197	47.42979	11.44730
#1	-.104173	31.54549	7.444557	.7453392	560.3998	.2083353	1.810794
#2	-.069448	37.06412	7.490449	.8653238	560.4066	.2676792	1.594466
#3	.0694485	32.01385	7.398059	.7692500	561.5602	.0913801	2.007376
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4461189	.1272695	17063.54	L-1219.45	513.5884	177.0297	3795.244
SDEV	.3581275	.2587760	39.69	2.83	1.9160	1.7356	84.679
%RSD	80.27624	203.3292	.2325770	.2320287	.3730541	.9803994	2.231189
#1	.6536248	.4260783	17020.34	L-1216.19	513.0700	175.4935	3808.684
#2	.0325898	-.022135	17071.90	L-1221.18	515.7102	176.6832	3704.649
#3	.6521422	-.022135	17098.38	L-1220.98	511.9850	178.9124	3872.399
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.453256	-3.40939	-.786933	4.517000	2.161326	.9952478	3.502000
SDEV	.195114	.93245	.256929	.006554	.533515	3.033813	.614692
%RSD	13.42597	27.34957	32.64942	.1450868	24.68462	304.8299	17.55259
#1	1.666178	-2.33438	-.808792	4.524385	1.568219	-2.42392	4.150847
#2	1.283019	-3.89461	-.519773	4.514738	2.602123	3.365118	2.928390
#3	1.410569	-3.99918	-1.03223	4.511877	2.313636	2.044548	3.426764
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.43002	5.596853	.4433341	-8.51344	5.739659	-.187163	-1.19149
SDEV	1.49321	1.611530	1.022346	5.47023	2.633283	.437106	.17774
%RSD	104.4191	28.79351	230.6039	64.25411	45.87873	233.5431	14.91731
#1	-1.06619	5.754243	-.524464	-13.0618	2.884254	-.019349	-1.22877
#2	-.152345	7.123914	.3418143	-2.44352	6.262279	.1411690	-.998063
#3	-3.07153	3.912403	1.512652	-10.0350	8.072445	-.683309	-1.34762
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.794455	-.193122	4305.200
SDEV	.567147	.042156	7.360
%RSD	71.38819	21.82859	.1709502
#1	-1.28949	-.144446	4297.066
#2	-.175639	-.217735	4307.133
#3	-.918242	-.217185	4311.400
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0060316-MS1 OPERATOR:
RUN TIME: 06/14/10 16:44:42
COMMENT: SDG:1006010 CLIENTID:MW-1S 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	51.90115	1994.040	2002.632	52.43861	585.6575	51.46783	520.7172
SDEV	.32820	18.553	28.058	.43457	.5720	.45605	6.0515
%RSD	.6323551	.9304100	1.401066	.8287197	.0976672	.8860961	1.162144
#1	52.01690	2010.220	2030.021	52.83566	585.4213	51.98484	524.0024
#2	51.53076	1998.110	2003.925	52.50583	586.3098	51.29597	524.4155
#3	52.15580	1973.791	1973.949	51.97435	585.2414	51.12267	513.7336
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	210.0122	268.4023	18490.01	L-1218.77	494.8206	697.9151	3690.326
SDEV	3.2809	.8519	200.46	5.41	7.8620	10.2124	9.714
%RSD	1.562255	.3173904	1.084152	.4438729	1.588863	1.463277	.2632199
#1	211.7698	267.4616	18633.18	L-1212.76	500.3542	705.1143	3679.313
#2	212.0399	268.6237	18575.95	L-1220.30	498.2864	702.4039	3693.988
#3	206.2269	269.1217	18260.91	L-1223.25	485.8211	686.2271	3697.676
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	514.6801	42.38968	523.2190	510.1630	20.73542	8.974110	513.2610
SDEV	2.7681	1.45259	4.2453	4.7910	.78604	1.615240	3.9556
%RSD	.5378370	3.426745	.8113900	.9391056	3.790785	17.99888	.7706773
#1	517.4169	41.41698	526.0757	514.4886	21.60731	7.546367	514.0377
#2	514.7418	41.69265	525.2406	510.9870	20.08106	10.72729	516.7706
#3	511.8816	44.05941	518.3406	505.0135	20.51789	8.648672	508.9747
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	38.81889	22.71966	19.74141	-.929814	13.91595	1010.809	1014.280
SDEV	1.49906	2.18947	1.06411	2.028977	2.38293	10.726	6.894
%RSD	3.861677	9.636893	5.390264	218.2132	17.12376	1.061169	.6796687
#1	37.52253	24.66820	20.07576	-2.83366	12.72588	1018.842	1020.671
#2	38.47370	23.14046	18.55028	-1.16038	16.65951	1014.957	1015.192
#3	40.46043	20.35034	20.59820	1.204597	12.36246	998.6281	1006.975
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1027.631	1050.584	4475.644
SDEV	6.062	.412	45.003
%RSD	.5899110	.0391831	1.005502
#1	1033.835	1050.136	4434.333
#2	1027.338	1050.945	4468.999
#3	1021.721	1050.672	4523.600
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0060316-MSD1 OPERATOR:
RUN TIME: 06/14/10 16:51:50
COMMENT: SDG:1006010 CLIENTID:MW-1SD 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	49.34314	1985.967	2014.309	50.55037	558.8271	49.23248	499.9190
SDEV	.36584	82.614	78.440	2.06529	6.9620	2.16307	22.3689
%RSD	.7414263	4.159909	3.894135	4.085617	1.245827	4.393587	4.474498
#1	48.99589	1895.525	1926.748	48.24795	550.9954	46.87751	475.1237
#2	49.72510	2057.462	2078.155	52.23970	564.3138	51.13070	518.5826
#3	49.30841	2004.915	2038.025	51.16346	561.1722	49.68923	506.0506
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	201.5193	260.2792	17784.28	L-1220.19	482.4508	674.9235	3669.692
SDEV	6.1570	2.6224	643.85	4.76	15.0653	25.3202	156.600
%RSD	3.055312	1.007520	3.620316	.3905002	3.122667	3.751560	4.267382
#1	194.5772	257.3354	17065.41	L-1225.50	465.7801	646.2214	3489.468
#2	206.3187	262.3653	18307.91	L-1216.30	495.0907	694.0964	3772.572
#3	203.6621	261.1369	17979.52	L-1218.76	486.4817	684.4528	3747.035
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	498.3766	42.01569	505.9408	480.6672	21.73898	10.22888	509.2064
SDEV	19.3902	3.22851	16.4479	18.3185	.98398	.75685	20.0337
%RSD	3.890664	7.684052	3.250946	3.811049	4.526351	7.399166	3.934305
#1	476.5604	38.32540	487.8402	460.3825	22.67772	9.357081	487.7129
#2	513.6458	44.31865	519.9719	496.0023	20.71527	10.71765	527.3607
#3	504.9237	43.40302	510.0103	485.6167	21.82393	10.61192	512.5457
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	38.35636	22.05949	21.57549	1.112382	14.77753	980.0182	998.9639
SDEV	2.25998	.34278	1.60335	.925365	1.45524	33.2555	30.7162
%RSD	5.892052	1.553867	7.431368	83.18765	9.847649	3.393357	3.074801
#1	35.75212	21.97732	23.02404	1.799914	13.12731	944.2059	964.3886
#2	39.80318	22.43588	19.85271	1.476977	15.32822	1009.926	1023.099
#3	39.51378	21.76526	21.84973	.0602557	15.87706	985.9227	1009.404
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1004.852	1029.639	4356.289
SDEV	36.618	33.352	120.057
%RSD	3.644094	3.239194	2.755945
#1	963.5708	993.5533	4488.466
#2	1033.414	1059.332	4253.999
#3	1017.571	1036.030	4326.400
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: SDI1006010-01 OPERATOR:
RUN TIME: 06/14/10 16:58:58
COMMENT: SDG:1006010 CLIENTID:MW-1L 1:5
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.081023	16.07765	1.445880	.5085689	414.4084	-.426118	-.895805
SDEV	.100240	6.37581	.061537	.1530028	.3184	.160406	.098446
%RSD	123.7179	39.65639	4.255989	30.08497	.0768350	37.64344	10.98970
#1	-.138897	16.65521	1.434936	.4986523	414.6345	-.551205	-.980257
#2	-.138897	9.432703	1.390551	.3607656	414.5464	-.245275	-.919477
#3	.0347242	22.14503	1.512155	.6662888	414.0442	-.481875	-.787681
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.5050682	-.260076	3418.844	L-1400.49	106.7053	35.02276	778.0312
SDEV	.3569350	.210854	25.224	2.65	2.0816	.43262	28.2567
%RSD	70.67065	81.07429	.7378027	.1890696	1.950799	1.235249	3.631815
#1	.1336998	-.138339	3428.274	L-1398.01	107.7879	35.41167	810.6497
#2	.5359407	-.138339	3390.263	L-1403.28	104.3054	34.55679	761.0386
#3	.8455642	-.503549	3437.994	L-1400.18	108.0225	35.09983	762.4054
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.8478215	-1.07758	-.010084	2.300191	.2244206	.4231978	1.743648
SDEV	.5739014	1.47117	.262819	.253479	.2550365	.8594243	.341727
%RSD	67.69130	136.5257	2606.221	11.01990	113.6422	203.0786	19.59841
#1	1.014944	.3797939	-.009513	2.007683	.0546393	.2414119	2.006584
#2	1.319612	-1.05036	-.273188	2.437470	.5176964	-.330791	1.866987
#3	.2089088	-2.56217	.2524487	2.455421	.1009262	1.358973	1.357374
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.27439	-1.20135	.9334909	-2.25194	1.756015	.5327187	-.711832
SDEV	1.40639	.11569	.4357738	1.84094	.590810	1.394945	1.188655
%RSD	110.3579	9.630121	46.68217	81.74932	33.64492	261.8539	166.9854
#1	.3229281	-1.17540	.6659882	-1.74103	1.228395	-.162307	.2380606
#2	-2.32676	-1.32781	1.436336	-4.29438	1.645301	-.378170	-2.04479
#3	-1.81935	-1.10083	.6981479	-.720413	2.394350	2.138633	-.328769
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.1683946	-.069704	4396.622
SDEV	.3239603	.051369	22.941
%RSD	192.3817	73.69641	.5217837
#1	.5345593	-.025298	4388.733
#2	-.080966	-.125964	4422.466
#3	.0515908	-.057849	4378.667
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV OPERATOR:
RUN TIME: 06/14/10 17:06:07
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	100.4919	47992.49	968.5069	991.6354	48397.38	981.2751	981.0711
SDEV	.7276	350.51	5.0218	6.7224	318.83	5.8977	13.6460
%RSD	.7239913	.7303533	.5185061	.6779113	.6587718	.6010204	1.390926
#1	101.1170	48100.50	973.0586	993.3684	48410.96	984.9442	985.5944
#2	100.6655	48276.29	969.3422	997.3217	48709.20	984.4089	991.8811
#3	99.69327	47600.68	963.1199	984.2162	48071.98	974.4720	965.7378
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	985.0725	1003.987	24083.14	52039.30	50758.66	986.2078	50702.17
SDEV	10.7685	1.923	179.72	244.15	315.49	16.9020	255.81
%RSD	1.093167	.1915629	.7462349	.4691678	.6215533	1.713840	.5045284
#1	989.1221	1004.740	24062.69	51834.72	50808.40	985.1497	50460.54
#2	993.2291	1005.420	24272.21	52309.58	51046.32	1003.614	50970.12
#3	972.8663	1001.801	23914.53	51973.60	50421.25	969.8596	50675.85
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	982.9143	993.8220	984.3657	1051.156	978.8055	997.8285	1019.990
SDEV	6.3957	10.1221	12.6519	9.260	8.0687	5.3117	6.938
%RSD	.6506903	1.018501	1.285280	.8809156	.8243390	.5323273	.6802001
#1	983.8221	984.7085	993.7634	1050.660	981.0634	993.6309	1018.360
#2	988.8077	1004.716	989.3536	1060.654	985.5047	1003.800	1027.598
#3	976.1132	992.0411	969.9802	1042.154	969.8484	996.0546	1014.012
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	999.5701	971.9955	982.2012	997.7035	997.8884	989.2482	1000.323
SDEV	3.8557	11.1820	6.5381	9.2673	4.0650	7.8210	4.480
%RSD	.3857387	1.150415	.6656545	.9288621	.4073588	.7906003	.4478302
#1	995.8261	975.9665	983.6039	987.9865	996.4462	986.5618	1001.792
#2	1003.529	980.6502	987.9241	1006.444	1002.478	998.0583	1003.883
#3	999.3558	959.3701	975.0756	998.6802	994.7411	983.1243	995.2926
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	999.6399	1001.509	4367.622
SDEV	6.8509	1.875	17.176
%RSD	.6853375	.1871854	.3932559
#1	992.7313	1001.294	4379.533
#2	1006.432	999.7502	4347.933
#3	999.7569	1003.481	4375.400
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB OPERATOR:
RUN TIME: 06/14/10 17:13:17
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.023149	74.36454	.3275660	1.776650	394.7643	-.124379	-1.65134
SDEV	.040096	3.18432	.1264641	.130134	4.0454	.326467	.59495
%RSD	173.2050	4.282040	38.60721	7.324676	1.024774	262.4769	36.02846
#1	-.069448	71.06195	.1994661	1.626600	390.0961	-.484259	-2.33058
#2	-.000000	74.61600	.4523282	1.844696	397.2450	-.041627	-1.40077
#3	-.000000	77.41568	.3309038	1.858653	396.9518	.1527484	-1.22265
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.069586	-.763624	4.335385	-1426.14	33.80651	.3346236	2.691037
SDEV	.484804	.009584	17.23221	10.99	2.93299	.0538051	49.82540
%RSD	696.7023	1.255080	397.4782	.7708359	8.675818	16.07929	1851.532
#1	.0328722	-.752557	18.20652	-1437.60	30.46167	.3030317	-40.9461
#2	.3558004	-.769157	9.754684	-1415.68	35.93880	.3040898	-7.96219
#3	-.597429	-.769157	-14.9550	-1425.15	35.01906	.3967494	56.98143
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.084194	-.306409	.1061876	1.066320	-1.13814	.0249893	.0438152
SDEV	.040643	2.019689	.1696714	.133004	.61217	.6291168	1.232272
%RSD	48.27269	659.1484	159.7846	12.47316	53.78668	2517.544	2812.432
#1	-.065886	-2.24373	.2039129	.9128749	-1.75750	-.322065	.1624566
#2	-.130771	1.786633	.2043817	1.148602	-.533434	.7511944	-1.24349
#3	-.055926	-.462129	-.089732	1.137484	-1.12348	-.354161	1.212475
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.73654	.9147823	-2.16595	.5314527	-.230754	.6720638	-.000335
SDEV	1.17750	3.332827	.88636	2.519800	.526443	1.230971	.955876
%RSD	67.80713	364.3301	40.92236	474.1344	228.1408	183.1628	285092.8
#1	-.916690	-1.50010	-1.88892	-1.72572	.3758056	-.536001	-.476899
#2	-3.08583	4.717217	-3.15774	3.250090	-.499295	.6274634	1.100133
#3	-1.20712	-.472772	-1.45120	.0699919	-.568772	1.924729	-.624239
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.260693	.1296412	4174.689
SDEV	.806009	.0599686	49.356
%RSD	63.93380	46.25742	1.182265
#1	2.170531	.1724901	4152.333
#2	.6360773	.0611081	4140.466
#3	.9754719	.1553252	4231.267
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0060316-PS1 OPERATOR:
RUN TIME: 06/14/10 17:20:25
COMMENT: SDG:1006010 CLIENTID:MW-1A 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	19.79281	468.9578	430.3506	11.95600	576.4662	11.00024	109.4323
SDEV	.42101	14.5671	10.3106	.42849	9.6305	.74269	4.1426
%RSD	2.127079	3.106264	2.395849	3.583916	1.670607	6.751586	3.785498
#1	19.86226	456.2520	420.7982	11.72608	575.0361	10.71412	108.3937
#2	20.17478	484.8564	441.2808	12.45039	586.7319	11.84343	113.9954
#3	19.34140	465.7649	428.9728	11.69155	567.6309	10.44316	105.9079
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	22.55242	55.19665	17342.41	L-1221.82	512.4157	208.3054	3707.212
SDEV	2.06640	.93278	567.55	.99	14.0068	6.7262	69.464
%RSD	9.162640	1.689930	3.272590	.0811656	2.733490	3.228992	1.873754
#1	21.27219	55.10812	17271.82	L-1222.96	505.0807	207.1176	3627.021
#2	24.93631	56.17055	17941.95	L-1221.23	528.5667	215.5464	3745.782
#3	21.44875	54.31129	16813.47	L-1221.26	503.5996	202.2523	3748.832
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	88.45142	14.55520	107.8351	48.79550	6.907343	11.26569	135.9127
SDEV	3.36185	1.34161	1.9171	2.85414	1.062471	1.40107	3.9563
%RSD	3.800791	9.217385	1.777839	5.849178	15.38176	12.43666	2.910944
#1	86.79703	16.10223	107.6252	48.16569	5.803592	10.34278	134.5107
#2	92.31988	13.85196	109.8486	51.91194	7.923055	10.57640	140.3792
#3	86.23734	13.71141	106.0316	46.30887	6.995381	12.87787	132.8483
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	19.47303	9.554730	5.582494	-.327013	17.05055	-.835160	-1.61929
SDEV	1.69821	1.844845	2.273333	2.655989	2.42850	.941300	.52660
%RSD	8.720829	19.30819	40.72253	812.1970	14.24293	112.7089	32.52027
#1	19.07397	11.45771	2.977673	-2.92862	16.96578	-1.20703	-1.58756
#2	21.33523	9.432373	7.166376	2.380207	14.66555	-1.53372	-2.16104
#3	18.00988	7.774109	6.603431	-.432625	19.52033	.2352684	-1.10928
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.140478	-.008908	4325.489
SDEV	.298906	.351691	51.238
%RSD	212.7773	3947.835	1.184563
#1	.1721899	-.255745	4382.667
#2	-.423397	.3937777	4310.066
#3	-.170228	-.164758	4283.733
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1006010-02 OPERATOR:
RUN TIME: 06/14/10 17:30:40
COMMENT: SDG:1006010 CLIENTID:MW-2 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.185196	93.57408	51.67151	.9159927	525.3497	-.456509	9.782371
SDEV	.295326	8.79337	.28676	.1912706	2.1831	.052137	.529724
%RSD	159.4669	9.397229	.5549629	20.88124	.4155521	11.42089	5.415091
#1	-.173621	102.7215	51.94605	1.095979	526.1437	-.509405	9.708030
#2	.1041727	92.81695	51.69456	.9368510	527.0247	-.405165	10.34534
#3	-.486139	85.18375	51.37393	.7151478	522.8807	-.454956	9.293743
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4777993	6.695532	251.3669	-993.476	483.3089	115.5441	3570.570
SDEV	.3564198	.041777	5.9875	11.596	9.9848	2.6734	72.945
%RSD	74.59613	.6239548	2.381977	1.167231	2.065927	2.313736	2.042950
#1	.1370080	6.701066	245.7148	-982.318	488.0046	116.6247	3654.560
#2	.4483674	6.734266	257.6412	-992.646	490.0802	117.5080	3523.075
#3	.8480225	6.651264	250.7446	L-1005.47	471.8419	112.4996	3534.075
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.622495	-6.47303	.1125446	6.390590	5.790208	.5131053	5.016723
SDEV	.186198	.97239	.1368163	.641031	.494011	1.032011	1.001012
%RSD	7.100030	15.02223	121.5662	10.03086	8.531827	201.1305	19.95349
#1	2.828682	-5.98747	.2467768	6.587969	5.222969	.5691075	5.535841
#2	2.572170	-5.83904	.1175740	5.674080	6.021616	1.515975	3.862786
#3	2.466631	-7.59258	-.026717	6.909720	6.126040	-.545767	5.651542
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.94852	7.884084	4.742038	-11.2134	6.364773	.2172471	-1.89048
SDEV	1.38274	1.152919	.922301	.2681	1.532800	3.147247	.58894
%RSD	70.96371	14.62338	19.44946	2.390675	24.08255	1448.695	31.15319
#1	-1.37432	7.979325	3.844034	-11.5169	6.600235	1.692519	-2.51335
#2	-.945380	6.686498	5.686853	-11.0089	7.766217	-3.39664	-1.34266
#3	-3.52584	8.986428	4.695226	-11.1144	4.727867	2.355867	-1.81542
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.1488301	-.210671	4308.222
SDEV	.7895769	.105772	51.656
%RSD	530.5223	50.20752	1.199019
#1	.2053706	-.112173	4275.933
#2	-.667497	-.197377	4280.933
#3	.9086170	-.322461	4367.800
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1006010-03 OPERATOR:
RUN TIME: 06/14/10 17:39:43
COMMENT: SDG:1006010 CLIENTID:MW-2 DUP 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1620464	95.65374	52.76542	1.030205	459.9268	-.292421	10.20669
SDEV	.1403363	2.56129	.32666	.126546	.8087	.131943	.08667
%RSD	86.60254	2.677665	.6190841	12.28357	.1758275	45.12099	.8491688
#1	.2430696	96.77062	52.62479	1.163627	459.7615	-.438518	10.30306
#2	.2430696	97.46693	53.13885	.9118916	460.8053	-.256802	10.13511
#3	-.000000	92.72367	52.53263	1.015096	459.2135	-.181944	10.18191
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6566017	1.914589	280.8186	-993.665	489.3459	119.2944	3573.453
SDEV	.1786674	.216656	2.6838	.682	9.1443	1.4658	29.149
%RSD	27.21093	11.31607	.9557111	.0685879	1.868670	1.228704	.8157116
#1	.8629025	1.986525	283.8672	-992.883	482.5670	117.6131	3545.755
#2	.5548844	2.086128	278.8121	-993.981	499.7462	119.9669	3603.863
#3	.5520182	1.671115	279.7765	-994.131	485.7245	120.3033	3570.742
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.043195	-5.10947	-.007834	4.918970	4.162475	-.161417	6.271543
SDEV	.268480	3.54915	.265030	.258048	.430634	1.090779	.499063
%RSD	13.14021	69.46213	3383.015	5.245986	10.34562	675.7501	7.957581
#1	1.743261	-8.85626	.2576265	5.216796	3.686796	.8444976	6.282996
#2	2.261068	-4.67401	-.272431	4.778015	4.274845	-.007945	6.764781
#3	2.125258	-1.79815	-.008698	4.762097	4.525784	-1.32080	5.766852
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.17020	8.473688	2.007279	-10.4227	4.958721	1.155081	-1.80959
SDEV	2.37500	1.099754	.461001	.3966	1.769944	.829673	.88454
%RSD	109.4370	12.97845	22.96645	3.804942	35.69355	71.82808	48.88058
#1	-.027270	7.866355	1.597332	-10.4494	6.480143	.4455287	-1.69401
#2	-4.72373	7.811529	2.506326	-10.8053	5.379814	2.067314	-.988520
#3	-1.75960	9.743179	1.918180	-10.0135	3.016207	.9524004	-2.74623
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.708604	-.143990	4279.111
SDEV	.191050	.048189	9.305
%RSD	26.96144	33.46696	.2174492
#1	-.667903	-.132652	4283.733
#2	-.541184	-.102481	4268.400
#3	-.916725	-.196837	4285.200
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1006010-04 OPERATOR:
RUN TIME: 06/14/10 17:46:52
COMMENT: SDG:1006010 CLIENTID:MW-3 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0810232	85.49336	9.719523	.7685184	527.7349	-.063886	-.169558
SDEV	.1314638	4.43947	.076157	.0329655	2.8568	.143659	.408601
%RSD	162.2545	5.192760	.7835438	4.289488	.5413252	224.8684	240.9800
#1	.1388969	90.60458	9.795507	.7971396	529.5709	.0558244	-.210071
#2	-.069448	83.27760	9.643195	.7324743	529.1904	-.024293	.2577905
#3	.1736212	82.59792	9.719865	.7759412	524.4435	-.223189	-.556393
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.057368	4.731140	1669.219	L-1203.96	450.8381	12.28328	2622.899
SDEV	.336891	.124596	26.543	4.15	8.3731	.21952	35.471
%RSD	31.86128	2.633531	1.590149	.3446265	1.857233	1.787170	1.352345
#1	1.039045	4.725607	1691.413	L-1199.48	459.6700	12.50860	2663.261
#2	.7300132	4.858411	1676.428	L-1204.70	449.8289	12.27117	2596.690
#3	1.403048	4.609403	1639.816	L-1207.68	443.0153	12.07006	2608.745
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.545170	-4.29803	-.006151	7.554647	1.353707	-.657230	4.981825
SDEV	.878665	1.16569	.218124	.214838	.487098	1.088917	1.787077
%RSD	56.86523	27.12155	3546.404	2.843782	35.98253	165.6829	35.87193
#1	1.135447	-5.54115	.1303303	7.716181	1.637851	-1.71960	6.202008
#2	.9461997	-3.22945	-.257715	7.636931	.7912649	.4564190	2.930551
#3	2.553864	-4.12348	.1089332	7.310830	1.632006	-.708505	5.812918
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.00835	5.064154	-.501543	-11.7443	4.875320	-1.05500	-.546944
SDEV	1.38846	1.498415	.345844	.3299	1.605555	.93349	.973342
%RSD	69.13449	29.58865	68.95602	2.808710	32.93229	88.48251	177.9599
#1	-1.06044	6.521151	-.802869	-11.6139	3.217390	-.569520	.5618779
#2	-3.60209	3.527499	-.577839	-11.4997	6.422795	-2.13119	-1.26035
#3	-1.36252	5.143813	-.123921	-12.1195	4.985775	-.464290	-.942362
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.295661	-.099044	4478.667
SDEV	.445299	.021325	62.228
%RSD	150.6114	21.53083	1.389435
#1	-.803759	-.088206	4420.667
#2	.0267110	-.123612	4470.933
#3	-.109934	-.085315	4544.400
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1006010-05 OPERATOR:
RUN TIME: 06/14/10 17:54:00
COMMENT: SDG:1006010 CLIENTID:MW-4 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.023149	209.0332	37.99995	.7724257	536.1720	-.154498	3.459992
SDEV	.436937	4.3454	.47343	.1176623	.4767	.056501	.109778
%RSD	1887.458	2.078796	1.245863	15.23284	.0889029	36.57071	3.172776
#1	-.486139	213.9227	38.21000	.9063697	535.8495	-.202885	3.375971
#2	.3819665	205.6130	37.45784	.6857386	535.9470	-.168205	3.419805
#3	.0347242	207.5638	38.33201	.7251688	536.7195	-.092405	3.584201
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6277807	2.811016	18.44050	-945.188	710.1708	78.99039	2600.342
SDEV	.4310578	.208885	8.75234	3.266	2.9078	.64679	36.744
%RSD	68.66375	7.430935	47.46258	.3455826	.4094569	.8188205	1.413056
#1	.1333286	2.617344	10.04213	-941.433	709.2318	79.72024	2636.250
#2	.8255232	3.032356	27.50835	-946.760	707.8485	78.48825	2562.815
#3	.9244903	2.783349	17.77101	-947.371	713.4321	78.76268	2601.960
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.062268	-6.14263	-.066042	14.64360	2.675936	-.627295	4.752048
SDEV	.603656	1.32509	.317902	.33430	1.300520	1.871005	1.115392
%RSD	29.27147	21.57196	481.3657	2.282905	48.60059	298.2655	23.47181
#1	1.440931	-4.61865	-.362452	14.64250	1.203072	-2.37740	4.606181
#2	2.646534	-7.02276	-.105368	14.97846	3.158683	1.344804	3.716767
#3	2.099339	-6.78648	.2696940	14.30986	3.666053	-.849290	5.933197
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.05409	5.865358	1.080920	-11.7724	4.934223	-.922560	-1.07043
SDEV	1.76471	1.262417	1.425582	3.9223	1.255846	1.442629	1.59190
%RSD	85.91206	21.52327	131.8860	33.31772	25.45175	156.3725	148.7159
#1	-3.24427	4.470732	-.431019	-14.1242	3.484478	-2.09120	.7666091
#2	-.026586	6.930040	1.273141	-7.24448	5.630315	-1.36629	-1.93312
#3	-2.89142	6.195302	2.400638	-13.9486	5.687876	.6898104	-2.04479

ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.412575	-.220276	4478.489
SDEV	.478101	.074061	20.463
%RSD	115.8822	33.62174	.4569154
#1	-.686923	-.291849	4455.133
#2	-.690287	-.143956	4487.066
#3	.1394851	-.225023	4493.267

ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0060320-BLK1 OPERATOR:
RUN TIME: 06/14/10 18:01:09
COMMENT: SDG:1005196 CLIENTID:PBW 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.011575	23.78222	-.020700	.6473545	394.9156	-.135168	-.775813
SDEV	.100240	2.65847	.064347	.0897959	.5938	.105429	.384192
%RSD	866.0253	11.17841	310.8513	13.87122	.1503597	77.99857	49.52116
#1	-.069448	26.85170	.0533485	.6952613	395.1770	-.046574	-.357102
#2	.1041727	22.21282	-.052418	.7030379	394.2360	-.251774	-1.11211
#3	-.069448	22.28215	-.063032	.5437644	395.3339	-.107155	-.858227
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000
LOW	-5.00000	-200.000	-200.000	-5.00000	-5000.00	-5.00000	-5.00000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.7645125	-.293276	5.190334	-1440.20	4.635634	.5307662	164.3748
SDEV	.3275987	.083554	10.69186	2.37	1.283626	.0579402	23.5117
%RSD	42.85067	28.48989	205.9955	.1648816	27.69042	10.91633	14.30373
#1	1.138539	-.304344	15.56027	-1437.47	6.109511	.5691089	190.6199
#2	.6264825	-.370745	-5.79671	-1441.78	3.762827	.5590760	157.2687
#3	.5285166	-.204740	5.807436	-1441.36	4.034563	.4641139	145.2358
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000
LOW	-5.00000	-5.00000	-100.000	-5000.00	-5000.00	-10.0000	-5000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.108386	-3.91164	.0166641	1.913105	.2045215	-1.03278	4.719287
SDEV	.419918	.39757	.1283690	.340257	.2021338	1.23589	.868078
%RSD	37.88556	10.16377	770.3333	17.78558	98.83251	119.6671	18.39425
#1	1.442938	-4.22018	.0263888	2.216814	.3527694	-1.56774	4.418458
#2	.6371567	-3.46298	-.116291	1.977112	.2865226	-1.91107	4.041640
#3	1.245062	-4.05177	.1398941	1.545391	-.025727	.3804776	5.697762
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000
LOW	-40.0000	-10.0000	-20.0000	-20.0000	-3.00000	-5.00000	-10.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.07393	2.558862	-.973584	-11.6332	4.256793	.3944898	-1.56000
SDEV	1.25593	.736945	.175944	2.6193	1.768720	1.358641	.35719
%RSD	60.55798	28.79969	18.07181	22.51562	41.55054	344.4046	22.89702
#1	-3.39616	3.346616	-1.14464	-14.6547	4.963202	-1.15322	-1.70534
#2	-.896936	2.443680	-.793125	-10.2391	2.244037	.9462056	-1.15305
#3	-1.92868	1.886291	-.982992	-10.0058	5.563141	1.390486	-1.82162
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	10.00000					100.0000	50.00000
LOW	-10.0000					-100.000	-50.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.1054624	-.180451	4470.755
SDEV	.5587534	.120383	37.443
%RSD	529.8132	66.71249	.8374986
#1	-.082100	-.051855	4427.600
#2	-.335378	-.290460	4494.600
#3	.7338656	-.199038	4490.066
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	5.000000	40.00000	
LOW	-5.00000	-40.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0060320-BS1 OPERATOR:
RUN TIME: 06/14/10 18:08:17
COMMENT: SDG:1005196 CLIENTID:LCSW 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1039.539	19938.91	19182.61	518.0865	50568.98	503.1258	5005.788
SDEV	2.049	111.82	217.91	4.2104	488.43	5.3850	63.217
%RSD	.1970783	.5608305	1.135991	.8126771	.9658778	1.070309	1.262870
#1	1037.491	20061.98	19400.04	522.9473	51132.97	508.4351	5075.273
#2	1039.539	19911.21	18964.22	515.7416	50284.98	497.6682	4951.674
#3	1041.588	19843.55	19183.59	515.5708	50288.98	503.2740	4990.418
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1200.000	24000.00	24000.00	600.0000	60000.00	600.0000	6000.000
LOW	800.0000	16000.00	16000.00	400.0000	40000.00	400.0000	4000.000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1013.836	2669.985	9775.043	52470.32	50268.25	1502.543	51588.32
SDEV	3.926	9.259	23.469	153.72	325.21	5.377	187.16
%RSD	.3872131	.3467727	.2400869	.2929562	.6469437	.3578431	.3628017
#1	1018.179	2659.626	9800.073	52637.21	50640.71	1508.688	51799.76
#2	1012.790	2672.874	9771.521	52334.55	50123.38	1498.706	51521.36
#3	1010.539	2677.455	9753.534	52439.18	50040.65	1500.234	51443.86
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1200.000	3000.000	12000.00	60000.00	60000.00	1800.000	60000.00
LOW	800.0000	2000.000	8000.000	40000.00	40000.00	1200.000	40000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3966.207	985.8271	5116.663	1979.792	296.1795	477.1398	6115.602
SDEV	28.766	6.7164	47.256	9.857	2.2370	3.8201	31.963
%RSD	.7252830	.6812937	.9235672	.4978834	.7552888	.8006169	.5226445
#1	3997.010	990.5338	5170.370	1988.757	296.9569	481.5154	6148.269
#2	3940.041	978.1357	5081.454	1969.236	293.6575	474.4687	6084.393
#3	3961.571	988.8119	5098.166	1981.382	297.9241	475.4353	6114.147
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	4800.000	1200.000	6000.000	2400.000	360.0000	600.0000	7200.000
LOW	3200.000	800.0000	4000.000	1600.000	240.0000	400.0000	4800.000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1000.329	296.0534	296.2390	474.1387	478.6354	1007.827	1012.192
SDEV	.456	1.3193	2.9811	5.7077	3.5103	1.996	6.539
%RSD	.0456130	.4456428	1.006317	1.203793	.7333920	.1980175	.6460577
#1	999.8130	295.2183	297.8214	479.4651	482.5362	1005.651	1019.674
#2	1000.497	295.3675	292.8003	468.1140	477.6386	1008.256	1009.338
#3	1000.678	297.5744	298.0952	474.8370	475.7313	1009.573	1007.565
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	1200.000					1205.000	1205.000
LOW	800.0000					795.0000	795.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1017.720	1032.458	4436.777
SDEV	7.308	7.215	32.294
%RSD	.7181153	.6988173	.7278723
#1	1024.092	1040.769	4399.733
#2	1009.742	1028.794	4451.600
#3	1019.326	1027.810	4458.999
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	1205.000	1205.000	
LOW	795.0000	795.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005196-01 OPERATOR:
RUN TIME: 06/14/10 18:15:26
COMMENT: SDG:1005196 CLIENTID:MW-1 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.127322	157.9640	8.116113	1.046523	567.9399	.3702934	3.399010
SDEV	.223246	23.1367	.510965	.529440	9.5819	.4837216	1.477489
%RSD	175.3391	14.64682	6.295691	50.59040	1.687139	130.6320	43.46823
#1	-.381967	184.6760	8.704019	1.657776	578.9985	.9005224	5.090502
#2	-.034724	145.0054	7.779026	.7317377	562.7173	-.046905	2.360610
#3	.0347242	144.2106	7.865292	.7500550	562.1039	.2572627	2.745917
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.163511	1.377840	18395.48	L-1196.65	543.9835	187.3867	3974.576
SDEV	.402455	.216656	833.36	11.27	32.0191	7.5327	201.948
%RSD	34.58971	15.72431	4.530223	.9414128	5.886045	4.019869	5.080997
#1	1.219483	1.305905	19353.51	L-1183.71	580.2242	196.0014	4199.923
#2	1.535051	1.621314	17838.23	L-1201.92	519.5245	182.0391	3913.836
#3	.7359998	1.206302	17994.71	L-1204.31	532.2015	184.1196	3809.970
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	9.164355	-5.36428	-.058051	8.614442	.9610974	.9780421	5.292879
SDEV	.191751	2.43170	.376109	.295284	1.041876	1.450638	1.179421
%RSD	2.092354	45.33146	647.8984	3.427778	108.4048	148.3206	22.28316
#1	9.253528	-3.06988	.3424802	8.927898	.1743705	.7220388	5.449707
#2	9.295281	-5.10969	-.403710	8.341518	.5662347	-.327552	4.042891
#3	8.944257	-7.91326	-.112922	8.573908	2.142687	2.539639	6.386040
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.01596	1.929705	.4747300	-8.72359	5.818798	-.579991	-1.01312
SDEV	1.04435	2.680391	.2616042	1.59535	2.271031	.449656	2.06968
%RSD	51.80400	138.9016	55.10590	18.28774	39.02921	77.52812	204.2878
#1	-1.60815	.1332555	.1919706	-10.5577	6.350506	-.988528	.2629572
#2	-1.23704	.6452546	.5240656	-7.65725	3.329086	-.098209	.0987835
#3	-3.20268	5.010606	.7081539	-7.95587	7.776804	-.653235	-3.40110
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.5461301	1.065145	4333.377
SDEV	1.117849	.110513	179.406
%RSD	204.6856	10.37542	4.140105
#1	1.806491	.9464682	4126.267
#2	-.325306	1.165104	4440.866
#3	.1572050	1.083862	4432.999
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0060320-DUP1 OPERATOR:
RUN TIME: 06/14/10 18:22:34
COMMENT: SDG:1005196 CLIENTID:MW-1D 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.254644	154.3325	7.822603	1.136497	549.0143	.2091622	1.577210
SDEV	.111623	.3285	.059528	.124344	.8842	.0319453	.205628
%RSD	43.83478	.2128246	.7609763	10.94102	.1610487	15.27296	13.03748
#1	-.208345	154.6488	7.866608	1.163927	548.7296	.2340535	1.479625
#2	-.381967	153.9931	7.846332	1.244835	548.3076	.2202923	1.813462
#3	-.173621	154.3555	7.754870	1.000727	550.0058	.1731408	1.438544
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.7276715	3.037889	16905.18	L-1199.38	505.6666	173.1860	3781.155
SDEV	.5350380	.162933	25.46	2.57	3.0423	.9505	25.469
%RSD	73.52741	5.363357	.1506071	.2142865	.6016321	.5488463	.6735750
#1	.1374606	3.131959	16923.28	L-1196.70	505.5604	172.7206	3806.596
#2	1.180903	2.849751	16876.07	L-1199.63	508.7605	172.5579	3755.659
#3	.8646506	3.131959	16916.19	L-1201.82	502.6788	174.2796	3781.211
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	4.680008	-5.81951	-.173664	4.555495	2.038553	-.198129	5.500402
SDEV	.269626	2.42134	.260940	.462080	.802889	1.412044	.902679
%RSD	5.761234	41.60719	150.2561	10.14335	39.38523	712.6873	16.41114
#1	4.949405	-7.04936	-.095830	4.567190	2.466885	1.421099	5.308286
#2	4.680465	-3.03008	.0395036	5.011616	1.112327	-1.17340	6.483673
#3	4.410153	-7.37910	-.464664	4.087678	2.536447	-.842086	4.709247
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.62023	2.733401	1.688701	-13.4277	6.403904	-1.39701	-1.02788
SDEV	1.13243	.858013	.798775	2.4697	2.900631	.63231	1.59623
%RSD	69.89314	31.38993	47.30117	18.39280	45.29473	45.26191	155.2939
#1	-.436432	2.943161	2.226263	-14.4393	9.336545	-.979602	-2.51634
#2	-2.69314	1.789959	.7708343	-10.6128	3.536379	-1.08692	.6577904
#3	-1.73113	3.467083	2.069006	-15.2311	6.338789	-2.12451	-1.22508
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.832552	.9784510	4263.578
SDEV	.189981	.0410163	14.469
%RSD	22.81909	4.191966	.3393643
#1	-1.04005	.9625289	4249.267
#2	-.790450	1.025041	4263.267
#3	-.667154	.9477830	4278.200
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0060320-MS1 OPERATOR:
RUN TIME: 06/14/10 18:29:42
COMMENT: SDG:1005196 CLIENTID:MW-1S 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	50.01447	2131.122	2039.734	52.33493	547.9130	50.79226	515.5306
SDEV	.22593	21.133	2.251	.57387	3.0426	.35177	3.7598
%RSD	.4517304	.9916269	.1103690	1.096537	.5553151	.6925594	.7293031
#1	49.79455	2141.965	2037.842	52.34587	546.9519	51.09779	518.0261
#2	50.00289	2106.769	2039.135	51.75567	545.4670	50.40770	511.2063
#3	50.24596	2144.633	2042.224	52.90326	551.3202	50.87128	517.3594
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	206.1579	266.7146	17775.07	L-1217.01	483.9605	684.7545	3782.081
SDEV	.6283	.5508	83.13	4.15	.7309	3.1037	54.721
%RSD	.3047652	.2065246	.4676806	.3408724	.1510289	.4532534	1.446842
#1	206.7946	266.2000	17842.16	L-1212.28	484.8023	688.1117	3733.938
#2	205.5384	266.6482	17682.07	L-1218.76	483.4876	681.9898	3770.713
#3	206.1407	267.2957	17800.98	L-1220.00	483.5915	684.1618	3841.593
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	510.7099	43.76513	520.9174	493.0249	20.40615	10.23860	519.8816
SDEV	2.0116	1.76951	4.9333	3.3893	1.21211	1.09071	1.2566
%RSD	.3938846	4.043207	.9470415	.6874513	5.939947	10.65297	.2417101
#1	511.8534	45.68128	523.4599	493.9934	19.01481	9.864491	519.9443
#2	508.3872	43.42143	515.2315	489.2567	20.97009	9.384166	518.5948
#3	511.8890	42.19268	524.0608	495.8245	21.23355	11.46714	521.1056
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	38.59542	22.21652	19.49881	.9559553	14.87015	1008.900	1027.346
SDEV	1.14319	2.22589	1.17558	1.925849	1.21491	6.135	9.763
%RSD	2.961978	10.01907	6.028969	201.4581	8.170096	.6081185	.9503204
#1	39.87002	20.39475	18.32233	-1.05665	15.31404	1005.200	1032.832
#2	37.66076	21.55722	20.67349	1.143131	13.49572	1005.518	1016.074
#3	38.25549	24.69758	19.50061	2.781382	15.80068	1015.982	1033.132
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1028.825	1060.267	4288.755
SDEV	5.417	13.043	34.882
%RSD	.5265167	1.230190	.8133459
#1	1022.598	1055.347	4261.066
#2	1032.449	1050.400	4327.933
#3	1031.428	1075.055	4277.267
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV OPERATOR:
RUN TIME: 06/14/10 18:36:51
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	99.98264	48076.69	961.3607	981.0131	47738.22	969.2404	970.5068
SDEV	.56134	398.63	3.7856	5.1333	233.34	1.8358	5.6067
%RSD	.5614406	.8291533	.3937781	.5232663	.4887904	.1894107	.5777078
#1	99.65855	48414.48	959.0277	985.4349	47973.11	967.1280	976.6165
#2	99.65855	48178.58	959.3257	982.2208	47735.10	970.1424	969.3063
#3	100.6308	47637.00	965.7285	975.3837	47506.46	970.4507	965.5976
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	969.5761	1003.821	23914.85	52909.95	50658.25	972.2051	50961.54
SDEV	15.6501	.823	171.59	313.92	502.23	8.6537	124.45
%RSD	1.614117	.0819797	.7175248	.5933186	.9914044	.8901132	.2442062
#1	985.3755	1004.408	24059.91	53032.39	51040.32	981.7790	51044.33
#2	969.2728	1004.175	23959.21	53144.21	50845.02	969.8962	51021.86
#3	954.0798	1002.880	23725.43	52553.26	50089.39	964.9399	50818.42
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	973.5297	1004.969	972.3743	1043.190	975.1217	1004.678	1018.348
SDEV	1.7176	7.755	13.9383	2.296	7.5933	9.782	6.719
%RSD	.1764262	.7716597	1.433433	.2201061	.7786988	.9736773	.6598119
#1	971.5491	998.4561	986.3761	1042.452	979.6378	1010.735	1010.983
#2	974.4301	1013.548	972.2465	1045.765	979.3722	1009.906	1024.143
#3	974.6099	1002.903	958.5003	1041.354	966.3551	993.3923	1019.919
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1004.220	972.0425	976.6548	1012.092	1000.973	993.7345	1005.145
SDEV	6.343	2.7288	10.1472	11.814	8.789	5.4847	3.359
%RSD	.6316128	.2807276	1.038976	1.167250	.8780272	.5519270	.3342063
#1	1009.124	974.6013	982.1481	1018.646	1006.783	990.5364	1007.796
#2	1006.478	972.3554	982.8711	1019.176	1005.275	1000.068	1006.271
#3	997.0568	969.1707	964.9452	998.4545	990.8624	990.5995	1001.367
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	992.3818	989.9031	4320.022
SDEV	.5018	.6763	21.082
%RSD	.0505644	.0683240	.4880130
#1	992.6405	989.7983	4305.999
#2	992.7015	990.6257	4309.800
#3	991.8035	989.2852	4344.267
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB OPERATOR:
RUN TIME: 06/14/10 18:44:00
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.300943	51.02630	.0880020	1.169311	380.8597	-.198836	-.811690
SDEV	.311229	7.29891	.0252367	.184211	.8291	.149456	.269573
%RSD	103.4179	14.30421	28.67748	15.75380	.2176825	75.16531	33.21138
#1	-.659760	49.08253	.1147449	1.099878	381.1746	-.364205	-1.12008
#2	-.104173	44.89605	.0646052	1.029907	381.4852	-.073410	-.694114
#3	-.138897	59.10033	.0846558	1.378148	379.9194	-.158893	-.620874
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.5515512	-.564418	-.356440	-1440.39	15.97062	.2883933	-20.3461
SDEV	.3178020	.200126	7.112989	2.01	1.61986	.0060063	18.8244
%RSD	57.61968	35.45705	1995.562	.1398818	10.14277	2.082693	92.52109
#1	.2359211	-.752557	-8.20211	-1438.89	14.98738	.2828694	-38.9743
#2	.5472508	-.586552	5.670849	-1439.61	17.84024	.2875235	-1.33143
#3	.8714815	-.354145	1.461939	-1442.68	15.08423	.2947872	-20.7325
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.5776092	-2.22274	-.263792	.9813380	-.555329	1.430361	.9808385
SDEV	.6838296	1.92436	.507435	.1357164	1.127203	1.667878	1.533343
%RSD	118.3897	86.57606	192.3619	13.82973	202.9793	116.6055	156.3298
#1	1.142321	-.384251	-.622007	.9014673	.3558502	2.164537	-.788294
#2	.7732156	-4.22279	-.486247	.9045068	-.205996	2.605205	1.926786
#3	-.182709	-2.06118	.3168777	1.138040	-1.81584	-.478660	1.804024
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.433185	-1.71536	.0210153	.0540406	2.114681	-.499338	-.869511
SDEV	.359435	1.16566	2.264598	1.474076	2.438269	2.889012	2.062849
%RSD	82.97482	67.95451	10775.96	2727.718	115.3020	578.5681	237.2424
#1	-.417672	-2.81797	1.937621	-1.32730	3.905077	-3.54450	-1.01334
#2	-.081759	-1.83259	.6032878	1.606001	3.101242	-.156440	-2.85668
#3	-.800126	-.495507	-2.47786	-.116576	-.662276	2.202922	1.261490
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.051761	-.021257	4311.133
SDEV	.857489	.013071	64.519
%RSD	81.52887	61.48885	1.496566
#1	2.004520	-.026135	4371.200
#2	.8087792	-.031187	4319.267
#3	.3419834	-.006449	4242.933
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0060320-MSD1 OPERATOR:
RUN TIME: 06/14/10 18:51:09
COMMENT: SDG:1005196 CLIENTID:MW-1SD 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	51.18352	2109.305	2011.896	53.19204	546.5077	51.52087	519.0500
SDEV	.51152	7.714	12.474	.12969	1.9039	.08830	1.8487
%RSD	.9993814	.3657322	.6200216	.2438192	.3483735	.1713842	.3561685
#1	50.59321	2117.780	2018.394	53.31782	544.4150	51.59837	520.1542
#2	51.46131	2107.445	2019.781	53.19953	546.9706	51.53950	516.9157
#3	51.49604	2102.691	1997.515	53.05877	548.1374	51.42475	520.0800
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	206.5374	268.0205	17910.12	L-1219.10	483.3013	686.1370	3654.342
SDEV	3.0695	1.6563	104.86	3.23	1.8065	5.2148	16.073
%RSD	1.486189	.6179631	.5854571	.2652055	.3737768	.7600222	.4398246
#1	206.6981	266.2332	17938.52	L-1215.44	482.9243	687.4160	3662.480
#2	203.3906	268.3249	17793.99	L-1220.29	481.7130	680.4017	3635.827
#3	209.5233	269.5035	17997.86	L-1221.56	485.2665	690.5933	3664.717
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	518.3809	45.32547	518.3307	509.0337	20.17492	10.58348	517.5343
SDEV	1.6485	2.71660	3.1659	1.8210	.86503	3.23677	4.0096
%RSD	.3180135	5.993528	.6107963	.3577402	4.287662	30.58323	.7747450
#1	516.7659	42.44422	516.4851	507.3817	19.87977	7.390682	518.7830
#2	518.3156	45.69200	516.5208	508.7330	19.49609	10.49725	520.7709
#3	520.0610	47.84020	521.9864	510.9863	21.14890	13.86250	513.0489
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	39.62885	22.27413	19.12343	2.638886	14.54705	1026.105	1032.478
SDEV	1.68717	1.26156	1.89888	4.834412	2.77893	3.782	4.265
%RSD	4.257433	5.663788	9.929589	183.1990	19.10302	.3685932	.4130576
#1	38.69326	22.18190	18.72693	-2.87639	12.51372	1028.331	1034.460
#2	38.61677	23.57928	17.45410	4.649611	13.41393	1021.738	1035.391
#3	41.57653	21.06122	21.18925	6.143432	17.71351	1028.247	1027.583
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1034.893	1052.899	4360.511
SDEV	3.938	2.704	51.283
%RSD	.3805589	.2567882	1.176078
#1	1030.585	1050.096	4305.999
#2	1038.309	1055.491	4367.733
#3	1035.784	1053.111	4407.800
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: SDI1005196-01 OPERATOR:
RUN TIME: 06/14/10 18:58:17
COMMENT: SDG:1005196 CLIENTID:MW-1L 1:5
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.243070	55.85562	1.537192	.8322349	414.4982	.2310139	.5580864
SDEV	.375600	5.68911	.044221	.1075398	1.0137	.0949753	.2338082
%RSD	154.5236	10.18538	2.876723	12.92181	.2445570	41.11235	41.89463
#1	-.659760	61.98129	1.578986	.9462282	414.2869	.2736761	.8262099
#2	-.138897	54.84780	1.490890	.8178877	413.6067	.1221885	.3966635
#3	.0694485	50.73777	1.541699	.7325889	415.6008	.2971771	.4513859
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3663287	-.177073	3686.774	L-1393.53	109.9495	37.10305	732.5290
SDEV	.3034023	.154245	39.269	2.50	2.2203	.69683	49.1279
%RSD	82.82243	87.10814	1.065124	.1795474	2.019366	1.878097	6.706608
#1	.4383564	-.354145	3727.107	L-1394.01	108.6120	37.90768	722.2816
#2	.0333940	-.071936	3684.549	L-1395.76	108.7240	36.69898	689.3331
#3	.6272358	-.105137	3648.664	L-1390.83	112.5124	36.70250	785.9724
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.804408	-.294234	.0278792	2.284807	-.169735	-.018263	2.074709
SDEV	.701664	1.096360	.0679316	.266036	.455572	1.748656	.325875
%RSD	38.88612	372.6146	243.6643	11.64368	268.4016	9574.819	15.70702
#1	1.079917	.0465381	-.050497	2.448657	.2188868	1.663739	2.401056
#2	2.480767	-1.52051	.0698229	2.427916	-.057003	.1081804	2.073763
#3	1.852540	.5912728	.0643116	1.977849	-.671090	-1.82671	1.749308
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.15681	-.195429	-.159624	-5.62721	2.779291	-.017349	-1.02148
SDEV	.63765	1.262322	1.164557	2.05019	3.479857	.733190	2.10611
%RSD	29.56450	645.9237	729.5621	36.43342	125.2066	4226.038	206.1821
#1	-2.79687	-1.61724	1.132826	-6.34756	5.660634	-.767028	1.147101
#2	-2.15194	.7935033	-.484334	-7.22001	3.764069	.6981572	-3.05900
#3	-1.52160	.2374485	-1.12737	-3.31407	-1.08683	.0168226	-1.15254
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.7531692	.1035965	4444.533
SDEV	.3140686	.0873422	48.318
%RSD	41.69961	84.30997	1.087140
#1	.8962035	.0279038	4395.466
#2	.3930433	.0837226	4446.066
#3	.9702608	.1991631	4492.066
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0060320-PS1 OPERATOR:
RUN TIME: 06/14/10 19:05:25
COMMENT: SDG:1005196 CLIENTID:MW-1A 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	20.12848	606.9545	443.9420	12.19649	557.5407	11.07604	111.8030
SDEV	.10024	6.6654	2.4251	.11522	1.4950	.06396	1.0597
%RSD	.4980047	1.098164	.5462557	.9446749	.2681396	.5774863	.9478428
#1	20.24423	609.8674	443.3861	12.22215	558.8082	11.13938	111.2756
#2	20.07061	599.3285	446.5968	12.07061	555.8920	11.07726	111.1104
#3	20.07061	611.6675	441.8432	12.29672	557.9220	11.01148	113.0229
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	23.02922	57.24404	17842.01	L-1194.24	529.9515	212.2136	3906.768
SDEV	.37326	.13822	171.37	3.28	2.3235	3.2161	58.315
%RSD	1.620829	.2414645	.9604844	.2743151	.4384448	1.515523	1.492673
#1	22.85481	57.19978	17824.38	L-1190.46	530.3100	213.2568	3973.256
#2	22.77510	57.39898	17680.14	L-1196.10	527.4695	208.6053	3864.297
#3	23.45777	57.13338	18021.51	L-1196.16	532.0749	214.7786	3882.750
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	97.08582	17.24486	111.5897	49.97923	9.514839	10.75980	138.0776
SDEV	.84549	2.64046	.6215	.28986	.381814	1.10656	.3709
%RSD	.8708721	15.31158	.5569375	.5799594	4.012827	10.28424	.2685924
#1	97.66676	15.95388	111.8001	50.05780	9.167550	10.59763	137.6495
#2	96.11584	20.28243	110.8903	49.65819	9.453271	9.743270	138.2996
#3	97.47488	15.49827	112.0787	50.22171	9.923696	11.93850	138.2838
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	20.35127	11.21350	8.663581	.4877814	15.88526	-3.06230	-.707908
SDEV	1.48688	.71490	.224468	3.620875	2.24571	1.14666	.979123
%RSD	7.306080	6.375327	2.590934	742.3151	14.13709	37.44450	138.3123
#1	22.04320	10.49906	8.499585	-3.69048	17.72812	-1.88920	-1.80818
#2	19.25264	11.21258	8.571755	2.445378	13.38392	-4.18056	.0674811
#3	19.75796	11.92885	8.919403	2.708451	16.54374	-3.11714	-.383028
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.157049	1.554563	4241.600
SDEV	.912130	.173025	24.851
%RSD	580.7922	11.13013	.5858839
#1	-.410309	1.499156	4234.600
#2	-.915786	1.748505	4269.200
#3	.8549481	1.416028	4220.999
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005196-02 OPERATOR:
RUN TIME: 06/14/10 19:12:33
COMMENT: SDG:1005196 CLIENTID:MW-2 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.104173	95.28964	48.87340	.7847583	462.4515	-.071545	10.97740
SDEV	.138897	5.53352	.12772	.1460098	1.0084	.132345	.40913
%RSD	133.3333	5.807052	.2613273	18.60570	.2180648	184.9813	3.726992
#1	-.104173	100.5495	48.72635	.9517642	461.4411	-.167996	11.19325
#2	-.243070	89.51801	48.93727	.6812400	462.4554	.0793357	10.50555
#3	.0347242	95.80145	48.95659	.7212706	463.4580	-.125975	11.23340
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.035832	2.827617	264.5883	L-1025.16	472.2533	116.1260	3518.755
SDEV	.098371	.225384	3.0297	5.47	3.5893	1.2321	28.170
%RSD	9.496841	7.970806	1.145045	.5337053	.7600389	1.061029	.8005781
#1	1.044062	2.567543	266.7129	L-1019.52	475.8510	116.6820	3521.507
#2	1.129830	2.965955	261.1191	L-1030.45	468.6725	114.7138	3489.309
#3	.9336040	2.949353	265.9330	L-1025.50	472.2364	116.9822	3545.448
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.883371	-6.15316	-.028670	4.840541	4.850436	-.009132	4.844181
SDEV	.688808	1.32281	.343605	.350786	.699116	1.920902	2.379580
%RSD	36.57314	21.49812	1198.501	7.246835	14.41346	21035.14	49.12244
#1	1.524583	-7.38831	.3609873	4.435595	4.086147	-1.07978	6.742089
#2	1.448022	-6.31383	-.288227	5.034947	5.007504	2.208496	2.174512
#3	2.677509	-4.75736	-.158769	5.051080	5.457657	-1.15611	5.615941
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-3.22238	7.187196	3.681087	-12.5892	6.268754	-.604656	-.725259
SDEV	1.28507	.087730	1.069543	4.2736	1.971838	1.595264	.878337
%RSD	39.87972	1.220648	29.05508	33.94638	31.45502	263.8301	121.1067
#1	-1.86747	7.261226	2.498244	-11.3669	4.053343	.6391740	-.450644
#2	-4.42383	7.090295	3.964964	-9.05993	7.831552	-2.40323	-1.70809
#3	-3.37583	7.210066	4.580052	-17.3408	6.921367	-.049909	-.017039
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.045388	-.110834	4437.244
SDEV	.243720	.036998	33.473
%RSD	536.9641	33.38187	.7543703
#1	-.317503	-.097773	4399.800
#2	.0285030	-.152591	4464.267
#3	.1528346	-.082137	4447.667
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005196-03 OPERATOR:
RUN TIME: 06/14/10 19:19:41
COMMENT: SDG:1005196 CLIENTID:MW-3 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0462990	134.3176	9.843893	.6804677	473.4451	-.038610	-.173518
SDEV	.1002402	4.0074	.102440	.1488156	1.3722	.043786	.147233
%RSD	216.5064	2.983561	1.040646	21.86960	.2898228	113.4057	84.85172
#1	.1041727	137.2130	9.731480	.7235986	472.6064	.0022499	-.038094
#2	.1041727	135.9959	9.868220	.8029538	472.7003	-.033251	-.152220
#3	-.069448	129.7439	9.931980	.5148506	475.0286	-.084829	-.330239
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.8622571	-.022135	1762.921	L-1207.59	450.3751	12.22590	2645.666
SDEV	.2445917	.144720	9.088	1.65	3.4508	.08456	27.060
%RSD	28.36645	653.8085	.5155218	.1364859	.7662115	.6916777	1.022812
#1	.8348121	-.088537	1757.163	L-1205.80	450.1131	12.16700	2640.083
#2	.6325455	-.121738	1773.398	L-1207.96	447.0627	12.32280	2675.083
#3	1.119414	.1438703	1758.201	L-1209.03	453.9495	12.18791	2621.834
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.065711	-4.39004	.3171653	7.719442	2.555073	-1.46657	5.742057
SDEV	.530637	2.02741	.1465077	.433211	.752999	.31279	1.265128
%RSD	49.79178	46.18215	46.19286	5.611949	29.47076	21.32786	22.03266
#1	.4578579	-6.15170	.1480747	7.249254	2.864803	-1.13801	6.325238
#2	1.436429	-2.17399	.4062692	8.102403	3.103812	-1.76075	6.610412
#3	1.302847	-4.84443	.3971521	7.806668	1.696604	-1.50096	4.290521
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.897353	6.071779	.7966518	-14.6132	5.094177	.5886764	-.103541
SDEV	1.316869	.811125	.7580079	2.4815	1.286102	2.554769	.964310
%RSD	146.7503	13.35893	95.14922	16.98157	25.24651	433.9853	931.3311
#1	-1.87124	6.673707	.9604873	-15.5728	6.065821	.7085009	-.351727
#2	-1.42175	6.392254	1.459344	-16.4717	5.580974	-2.02390	-.919500
#3	.6009266	5.149377	-.029876	-11.7951	3.635735	3.081425	.9606036
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.210553	.4375165	4463.889
SDEV	.205065	.0683474	32.575
%RSD	97.39344	15.62168	.7297516
#1	-.084770	.3587689	4438.667
#2	-.447185	.4723644	4452.333
#3	-.099705	.4814162	4500.667
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005196-04 OPERATOR:
RUN TIME: 06/14/10 19:26:49
COMMENT: SDG:1005196 CLIENTID:MW-2 DUP 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0231495	98.52924	49.43029	.9322555	468.2747	-.487474	9.308676
SDEV	.0873874	13.66720	1.97738	.2694159	4.1265	.307774	1.401726
%RSD	377.4917	13.87122	4.000340	28.89937	.8812128	63.13647	15.05827
#1	.1041727	85.01417	47.23427	.6869268	464.5475	-.732347	7.810461
#2	.0347242	112.3437	51.06974	1.220586	472.7090	-.141985	10.58821
#3	-.069448	98.22986	49.98686	.8892534	467.5675	-.588090	9.527356
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.088883	1.809453	256.7237	L-1016.18	466.2566	113.1331	3522.279
SDEV	.397769	.108010	8.6913	11.53	19.6288	4.4167	109.088
%RSD	36.52998	5.969186	3.385479	1.135091	4.209863	3.904024	3.097093
#1	1.536562	1.803919	256.9107	L-1026.14	449.8705	109.4056	3461.077
#2	.7761205	1.920123	265.3201	L-1003.54	488.0110	118.0113	3648.227
#3	.9539653	1.704317	247.9405	L-1018.85	460.8883	111.9825	3457.534
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.579622	-5.83537	-.024054	8.176504	4.971954	1.078805	4.324504
SDEV	.455120	.26249	.457780	.146753	.643088	.921075	1.702139
%RSD	28.81198	4.498195	1903.125	1.794814	12.93430	85.37927	39.36034
#1	2.063742	-5.85748	.4791322	8.128823	5.007759	.9620526	5.471657
#2	1.514639	-5.56253	-.135413	8.341168	5.596392	.2216715	5.133068
#3	1.160486	-6.08611	-.415881	8.059521	4.311712	2.052690	2.368789
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.45315	7.588489	3.662855	-10.1372	6.675622	-1.57283	-.500717
SDEV	1.21702	1.873572	.944578	1.9429	.928831	1.31000	.455489
%RSD	83.75053	24.68966	25.78803	19.16631	13.91377	83.28892	90.96727
#1	-1.71254	5.777183	4.620903	-8.82226	5.844155	-.766329	-.125260
#2	-.127345	9.518666	3.635312	-12.3689	6.504649	-.867819	-.369472
#3	-2.51956	7.469617	2.732349	-9.22051	7.678062	-3.08435	-1.00742
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.926784	-.083748	4322.733
SDEV	.435772	.300488	125.838
%RSD	47.01987	358.7986	2.911084
#1	-.444730	.2573366	4435.400
#2	-1.29277	-.309416	4186.933
#3	-1.04285	-.199166	4345.866
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005196-06 OPERATOR:
RUN TIME: 06/14/10 19:33:57
COMMENT: SDG:1005196 CLIENTID:MW-4 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0810232	231.1829	37.43338	.9988393	432.6979	-.238131	1.897023
SDEV	.1060843	3.7001	.21078	.0850255	.9772	.144882	.370652
%RSD	130.9307	1.600508	.5630749	8.512427	.2258296	60.84134	19.53860
#1	.1041727	235.4504	37.64793	1.070544	431.5695	-.405299	1.523222
#2	.1736212	228.8696	37.42561	1.021066	433.2680	-.160221	1.903404
#3	-.034724	229.2288	37.22659	.9049080	433.2560	-.148874	2.264442
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.7553069	2.534341	40.40962	-942.171	701.4567	73.79555	2715.146
SDEV	.5170681	.259308	.10134	2.304	1.4292	.20958	26.989
%RSD	68.45802	10.23178	.2507823	.2444989	.2037415	.2839990	.9940286
#1	.7556911	2.368336	40.47221	-942.916	701.1580	74.00989	2686.407
#2	1.272183	2.401537	40.46395	-939.588	700.2005	73.78567	2739.954
#3	.2380468	2.833151	40.29270	-944.011	703.0116	73.59108	2719.079
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.209629	-6.16013	.0498146	4.282944	2.571534	.6103805	6.228759
SDEV	.708229	2.23624	.2296391	.010760	1.789707	.5440582	2.110107
%RSD	32.05193	36.30183	460.9876	.2512294	69.59685	89.13426	33.87684
#1	2.484639	-8.45630	-.081172	4.286905	3.536600	1.223264	3.809174
#2	2.739105	-3.98908	.3149726	4.291161	.5064287	.4234363	7.687059
#3	1.405142	-6.03501	-.084357	4.270764	3.671574	.1844413	7.190044
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.70629	6.181337	.7665420	-10.8494	6.328867	-1.72615	-.183714
SDEV	1.70304	1.094529	2.165452	1.1620	.532850	1.40220	2.102387
%RSD	99.80960	17.70699	282.4962	10.71030	8.419352	81.23276	1144.383
#1	-3.55875	6.425986	2.091274	-9.66434	6.656102	-3.24887	.0469012
#2	-1.35161	4.985187	-1.73240	-11.9869	6.616487	-.488170	1.793858
#3	-.208522	7.132840	1.940748	-10.8969	5.714010	-1.44142	-2.39190
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.383776	-.090717	4315.444
SDEV	.466576	.110066	12.136
%RSD	121.5752	121.3287	.2812309
#1	-.918219	-.144750	4310.533
#2	-.175469	.0359228	4306.533
#3	-.057639	-.163324	4329.267
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0060334-BLK1 OPERATOR:
RUN TIME: 06/14/10 19:41:05
COMMENT: SDG:1005187 CLIENTID:PBW 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.162046	26.31751	-.063539	.6282798	390.0875	-.271637	-1.22484
SDEV	.053042	1.24277	.017458	.0954909	.1611	.243337	.48559
%RSD	32.73268	4.722230	27.47620	15.19879	.0412903	89.58159	39.64503
#1	-.208345	27.73825	-.044381	.7380892	390.1835	-.047668	-1.65893
#2	-.173621	25.43224	-.067683	.5820311	389.9016	-.236682	-1.31517
#3	-.104173	25.78202	-.078551	.5647189	390.1775	-.530561	-.700433
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000
LOW	-5.00000	-200.000	-200.000	-5.00000	-5000.00	-5.00000	-5.00000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.5015936	-.453748	3.861985	-1443.87	3.602106	.2767884	105.5700
SDEV	.5084561	.251211	7.849162	2.37	2.004381	.0026844	19.1790
%RSD	101.3681	55.36353	203.2416	.1639053	55.64470	.9698226	18.16708
#1	1.041805	-.536751	11.72148	-1441.96	3.352228	.2797158	91.94079
#2	.0323491	-.652954	-3.97680	-1446.52	1.734379	.2762069	97.26787
#3	.4306267	-.171540	3.841273	-1443.14	5.719709	.2744424	127.5014
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000
LOW	-5.00000	-5.00000	-100.000	-5000.00	-5000.00	-10.0000	-5000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0296927	-3.72771	-.107348	.7525818	-.172939	-.208920	4.886124
SDEV	.6915792	.30564	.132789	.2529419	1.242254	1.780540	1.259866
%RSD	2329.123	8.199046	123.6997	33.60988	718.3210	852.2573	25.78457
#1	.8273538	-3.51324	.0276217	.9004435	1.122555	.1631692	3.721907
#2	-.402067	-3.59221	-.111822	.4605173	-.287331	-2.14610	4.712778
#3	-.336209	-4.07767	-.237843	.8967845	-1.35404	1.356173	6.223686
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000
LOW	-40.0000	-10.0000	-20.0000	-20.0000	-3.00000	-5.00000	-10.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.981011	2.060014	-1.29046	-8.92614	4.140440	.6116089	-.542037
SDEV	1.623519	2.079318	1.10883	.97745	2.193523	2.787914	1.152945
%RSD	165.4945	100.9371	85.92552	10.95039	52.97801	455.8329	212.7058
#1	-2.65331	3.390120	-.012264	-8.94806	4.709217	3.189576	-.227289
#2	.5888821	3.126051	-1.99418	-9.89245	1.718550	.9923655	-1.81967
#3	-.878607	-.336130	-1.86493	-7.93792	5.993552	-2.34711	.4208487
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	10.00000					100.0000	50.00000
LOW	-10.0000					-100.000	-50.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.126874	-.195308	4443.622
SDEV	.658427	.101649	30.409
%RSD	518.9631	52.04581	.6843229
#1	-.561235	-.262145	4410.267
#2	.6306996	-.245448	4450.800
#3	-.450086	-.078329	4469.800
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	5.000000	40.00000	
LOW	-5.00000	-40.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0060334-BS1 OPERATOR:
RUN TIME: 06/14/10 19:48:14
COMMENT: SDG:1005187 CLIENTID:LCSW 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1027.351	19304.25	18746.35	508.9248	50377.09	500.1961	4980.276
SDEV	3.322	195.75	151.27	3.8330	455.52	2.6587	44.895
%RSD	.3233356	1.014015	.8069432	.7531522	.9042259	.5315322	.9014618
#1	1023.566	19288.40	18594.15	509.3547	50516.78	503.2607	5032.097
#2	1028.705	19507.45	18748.23	512.5247	50746.41	498.5060	4955.596
#3	1029.782	19116.92	18896.68	504.8950	49868.08	498.8216	4953.135
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1200.000	24000.00	24000.00	600.0000	60000.00	600.0000	6000.000
LOW	800.0000	16000.00	16000.00	400.0000	40000.00	400.0000	4000.000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1003.378	2599.328	9680.374	50597.12	49544.96	1492.870	50018.84
SDEV	9.192	10.904	52.777	218.22	346.42	14.693	280.35
%RSD	.9160585	.4194974	.5451930	.4312983	.6992053	.9841955	.5604950
#1	1012.567	2589.058	9735.390	50827.13	49929.75	1508.671	50235.36
#2	1003.382	2610.771	9675.567	50571.27	49447.23	1490.321	50118.98
#3	994.1844	2598.155	9630.165	50392.98	49257.91	1479.619	49702.16
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1200.000	3000.000	12000.00	60000.00	60000.00	1800.000	60000.00
LOW	800.0000	2000.000	8000.000	40000.00	40000.00	1200.000	40000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3939.761	967.2784	5031.804	1998.419	292.5824	466.7277	6004.049
SDEV	6.321	9.0126	53.164	13.836	1.0313	1.4929	13.189
%RSD	.1604295	.9317529	1.056569	.6923233	.3524902	.3198557	.2196664
#1	3946.756	972.8882	5066.145	2014.388	291.5338	468.4459	6000.011
#2	3934.459	972.0646	5058.702	1990.818	293.5956	465.9892	5993.352
#3	3938.068	956.8824	4970.565	1990.050	292.6178	465.7481	6018.785
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	4800.000	1200.000	6000.000	2400.000	360.0000	600.0000	7200.000
LOW	3200.000	800.0000	4000.000	1600.000	240.0000	400.0000	4800.000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	980.7266	292.0720	292.8336	461.6555	469.2573	1001.112	995.8877
SDEV	6.3770	1.5466	.8711	4.7722	3.1104	5.127	5.9221
%RSD	.6502303	.5295325	.2974681	1.033705	.6628337	.5120898	.5946525
#1	987.6169	290.3004	292.1461	461.7332	471.7945	1006.106	1000.900
#2	979.5305	293.1526	293.8132	466.3883	465.7872	1001.367	997.4095
#3	975.0323	292.7632	292.5417	456.8450	470.1902	995.8627	989.3532
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	1200.000					1205.000	1205.000
LOW	800.0000					795.0000	795.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1003.324	1006.743	4459.955
SDEV	8.588	10.350	35.392
%RSD	.8559859	1.028095	.7935588
#1	1000.898	1013.427	4419.400
#2	996.2098	1011.982	4475.866
#3	1012.864	994.8209	4484.600
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	1205.000	1205.000	
LOW	795.0000	795.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005187-14 OPERATOR:
RUN TIME: 06/14/10 19:55:22
COMMENT: SDG:1005187 CLIENTID:BBG-GW02 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.081023	169.3589	71.12249	1.558645	14385.06	-.554547	-1.33699
SDEV	.243895	5.6879	.43595	.144106	100.52	.237651	.12580
%RSD	301.0186	3.358492	.6129522	9.245612	.6987655	42.85486	9.409442
#1	-.104173	166.8367	70.71491	1.408046	14491.87	-.286539	-1.33950
#2	-.312518	175.8717	71.07043	1.695236	14292.33	-.637499	-1.46153
#3	.1736212	165.3682	71.58213	1.572653	14370.97	-.739605	-1.20996
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.5825841	-.049802	4.113858	510.0625	7304.139	28.22634	17043.87
SDEV	.3328566	.254120	6.924149	18.3878	38.363	.08991	24.69
%RSD	57.13452	510.2552	168.3128	3.605015	.5252295	.3185476	.1448471
#1	.5775561	.2434730	12.01806	491.4971	7280.624	28.23903	17068.74
#2	.9179262	-.188140	1.204129	528.2675	7348.409	28.30923	17019.37
#3	.2522699	-.204740	-.880614	510.4230	7283.384	28.13075	17043.51
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.206417	-6.49736	.5459653	16.50183	.9968377	-.356582	5.108720
SDEV	.561230	2.38403	.3463004	.17841	.8654457	1.428385	2.018054
%RSD	25.43624	36.69231	63.42901	1.081148	86.81911	400.5764	39.50215
#1	2.798502	-7.34285	.4962676	16.41158	.5566916	1.278280	7.408536
#2	1.682219	-8.34341	.2271987	16.38658	.4399296	-1.36296	3.633729
#3	2.138530	-3.80581	.9144296	16.70734	1.993892	-.985063	4.283895
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.15297	3.194531	-.103711	-13.3245	6.114682	-.633351	-.899257
SDEV	2.27696	4.433377	1.056989	2.5398	1.449146	1.015950	2.818970
%RSD	197.4869	138.7802	1019.168	19.06138	23.69945	160.4086	313.4779
#1	1.411290	2.462883	-.398305	-11.3881	7.599018	-1.27379	-1.43049
#2	-2.93806	-.827509	1.069323	-16.2002	6.041530	-1.16433	-3.41482
#3	-1.93213	7.948219	-.982150	-12.3852	4.703497	.5380629	2.147536
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.4530090	.5206932	4053.889
SDEV	1.143943	.1558373	28.523
%RSD	252.5211	29.92881	.7035974
#1	.1415719	.6927813	4077.333
#2	-.502965	.4801963	4022.133
#3	1.720420	.3891022	4062.200
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV OPERATOR:
RUN TIME: 06/14/10 20:02:32
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	99.24185	48455.88	959.5419	985.4930	47836.11	965.7234	967.6519
SDEV	.27562	60.69	10.8733	6.4826	406.43	6.6931	2.5218
%RSD	.2777210	.1252488	1.133174	.6578051	.8496203	.6930700	.2606153
#1	98.92934	48388.43	970.3379	978.8657	47403.14	964.9571	965.6189
#2	99.45020	48473.12	959.6949	991.8205	48209.39	972.7667	970.4739
#3	99.34602	48506.08	948.5930	985.7930	47895.79	959.4464	966.8627
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	969.5306	1003.871	23836.73	53106.94	50576.05	969.5444	51048.66
SDEV	11.6759	2.005	186.80	142.72	186.36	8.7590	123.68
%RSD	1.204284	.1997457	.7836730	.2687499	.3684829	.9034159	.2422813
#1	960.2147	1003.710	23689.29	53254.40	50501.25	965.2842	51082.97
#2	982.6288	1001.951	24046.80	53096.96	50788.19	979.6185	51151.56
#3	965.7483	1005.951	23774.10	52969.47	50438.71	963.7304	50911.44
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	971.6024	1002.360	977.6006	1036.279	974.6323	1007.065	1018.011
SDEV	4.1529	3.495	6.2140	11.325	4.7768	4.246	5.891
%RSD	.4274238	.3487065	.6356400	1.092848	.4901168	.4215792	.5787209
#1	972.9425	1000.104	970.8320	1025.328	971.3338	1002.300	1022.542
#2	974.9197	1006.386	978.9227	1047.945	980.1101	1010.446	1020.139
#3	966.9449	1000.589	983.0472	1035.565	972.4529	1008.449	1011.351
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1002.780	971.4169	976.2333	1020.868	1000.171	990.4712	1009.565
SDEV	3.058	13.1281	7.1379	7.834	4.500	10.1956	1.144
%RSD	.3049874	1.351443	.7311636	.7674337	.4499589	1.029369	.1133529
#1	1001.115	978.0164	967.9933	1016.078	995.4191	979.3359	1009.874
#2	1006.310	979.9358	980.1929	1029.909	1000.727	999.3486	1010.523
#3	1000.916	956.2983	980.5139	1016.617	1004.368	992.7290	1008.297
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	987.9200	996.8928	4300.578
SDEV	9.6962	3.2822	12.010
%RSD	.9814751	.3292452	.2792691
#1	983.9600	993.7579	4299.400
#2	998.9695	1000.305	4289.200
#3	980.8306	996.6157	4313.133
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB OPERATOR:
RUN TIME: 06/14/10 20:09:41
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1157474	33.39080	.0871521	.7203250	382.0305	.0640894	.1080729
SDEV	.0530421	5.18869	.0310984	.1075531	.8297	.0672558	.1211081
%RSD	45.82575	15.53927	35.68288	14.93119	.2171794	104.9405	112.0615
#1	.1041727	32.65902	.1230302	.6573342	382.9806	.0469791	.0168411
#2	.1736212	38.90653	.0679148	.8445123	381.6623	.1382477	.0619023
#3	.0694485	28.60685	.0705115	.6591285	381.4486	.0070415	.2454752
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.2310248	-.287743	7.702936	-1431.80	19.75556	.3051243	43.49094
SDEV	.5145748	.187078	10.83240	1.12	1.43067	.1473875	31.31810
%RSD	222.7358	65.01578	140.6268	.0778891	7.241851	48.30408	72.01064
#1	-.066300	-.071936	9.642988	-1430.55	19.57710	.2724083	78.07953
#2	-.065831	-.387347	17.43422	-1432.70	21.26708	.4661210	17.05632
#3	.8252044	-.403947	-3.96840	-1432.16	18.42249	.1768438	35.33695
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.5999188	.0292288	.2254627	.9686972	-.352547	-1.04177	-.054353
SDEV	.7742891	3.510322	.0740782	.3317537	.826900	1.56467	.879558
%RSD	129.0656	12009.82	32.85608	34.24741	234.5502	150.1928	1618.218
#1	.1529179	-3.55420	.1400586	.8952671	.4131770	-2.21554	.1818353
#2	1.493991	3.461562	.2723097	1.331014	-1.22939	-1.64438	-1.02789
#3	.1528477	.1803279	.2640198	.6798106	-.241432	.7346002	.6829954
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.812921	.4319230	-.746887	-.089341	-1.51996	.4897037	-.294527
SDEV	1.655312	.9944062	.745568	3.749321	.96992	.9352028	.525091
%RSD	203.6253	230.2277	99.82332	4196.624	63.81205	190.9732	178.2831
#1	-.153119	1.401214	-.082789	-1.37088	-2.63992	-.582415	.2986085
#2	-2.69638	-.585827	-1.55338	-3.02986	-.955372	.9138443	-.700016
#3	.4107410	.4803822	-.604487	4.132721	-.964602	1.137682	-.482173
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.2211647	.0357450	4483.177
SDEV	.2963786	.1649809	10.441
%RSD	134.0081	461.5498	.2329010
#1	.4965482	.2205124	4489.667
#2	-.092491	-.016459	4471.133
#3	.2594367	-.096819	4488.733
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0060334-DUP1 OPERATOR:
RUN TIME: 06/14/10 20:16:50
COMMENT: SDG:1005187 CLIENTID:BBG-GW02D 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.127322	127.6593	66.95993	.5903012	15203.91	-.263227	-.197894
SDEV	.156580	.5413	.92991	.0878972	172.52	.118232	.162299
%RSD	122.9796	.4239887	1.388758	14.89022	1.134729	44.91637	82.01273
#1	.0347242	128.0834	66.14893	.6548007	15168.22	-.246676	-.253325
#2	-.138897	127.8448	66.75598	.6259172	15052.02	-.154142	-.325216
#3	-.277794	127.0497	67.97489	.4901856	15391.49	-.388861	-.015142
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.7635274	.1826042	-.781208	317.9580	7203.758	29.06293	16105.36
SDEV	.3778094	.1382266	2.971935	12.0575	92.999	.26527	161.90
%RSD	49.48210	75.69740	380.4280	3.792171	1.290977	.9127561	1.005268
#1	.3319112	.2268719	2.441618	317.2570	7180.973	29.10718	16114.91
#2	.9243764	.0276664	-1.37162	306.2663	7124.269	28.77832	15938.90
#3	1.034295	.2932743	-3.41362	330.3508	7306.032	29.30330	16262.28
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.738878	-4.56782	.2293517	15.71307	1.210878	-.170968	5.047178
SDEV	1.087722	1.70443	.3926489	.13278	1.573762	1.992254	1.652485
%RSD	62.55307	37.31372	171.1995	.8450389	129.9686	1165.280	32.74077
#1	2.963829	-6.52850	.1446202	15.73593	-.565386	-2.38770	6.440648
#2	1.366734	-3.73542	-.114014	15.83294	2.431262	.4047996	3.221555
#3	.8860708	-3.43955	.6574486	15.57034	1.766758	1.469994	5.479331
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0748939	5.006160	-.686624	-10.6586	5.062301	-.462023	-.355395
SDEV	1.309520	2.265395	1.628241	4.1901	1.690728	.394625	2.032736
%RSD	1748.500	45.25216	237.1373	39.31198	33.39841	85.41249	571.9655
#1	.6846902	2.654976	-2.17586	-15.2643	4.038225	-.090355	1.779288
#2	-1.42832	5.188793	1.051875	-7.07197	4.134890	-.419545	-2.26794
#3	.9683084	7.174710	-.935884	-9.63969	7.013788	-.876168	-.577535
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.3440465	.4322109	4461.622
SDEV	1.255595	.0461389	26.248
%RSD	364.9492	10.67509	.5882994
#1	-.806505	.4359647	4454.600
#2	1.683320	.3843098	4490.667
#3	.1553254	.4763582	4439.600
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0060334-MS1 OPERATOR:
RUN TIME: 06/14/10 20:23:59
COMMENT: SDG:1005187 CLIENTID:BBG-GW02S 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	49.91030	2166.374	2055.480	50.85752	14783.60	49.36002	495.9543
SDEV	.31123	24.995	1.078	.41573	93.84	.95680	2.4109
%RSD	.6235770	1.153764	.0524394	.8174471	.6347851	1.938404	.4861225
#1	49.55148	2178.600	2054.248	51.16245	14813.12	50.28706	498.3474
#2	50.07234	2182.902	2055.943	51.02613	14859.13	49.41696	495.9896
#3	50.10707	2137.619	2056.250	50.38397	14678.54	48.37602	493.5259
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	201.4343	259.5653	986.1795	422.5374	7245.510	528.2033	16597.99
SDEV	1.7854	.7861	8.4553	11.4100	60.140	3.6821	74.00
%RSD	.8863261	.3028469	.8573800	2.700347	.8300338	.6971044	.4458531
#1	202.3462	259.1282	995.5109	432.9291	7304.895	531.6492	16606.92
#2	202.5795	260.4728	984.0010	424.3557	7246.994	528.6372	16667.11
#3	199.3771	259.0950	979.0267	410.3275	7184.642	524.3234	16519.92
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	496.2025	44.14103	505.7386	493.7668	19.49067	9.266764	509.9461
SDEV	1.2778	.54610	7.7351	3.9189	.32952	1.350778	2.7806
%RSD	.2575247	1.237169	1.529467	.7936699	1.690680	14.57659	.5452760
#1	497.3492	43.99955	510.9876	498.1597	19.85903	10.37605	512.5752
#2	494.8250	44.74395	509.3724	492.5109	19.38907	9.661704	510.2277
#3	496.4334	43.67959	496.8557	490.6298	19.22391	7.762535	507.0354
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	37.49754	21.94802	18.26036	.6467196	13.56753	982.3033	1009.558
SDEV	3.45960	1.92204	.54700	2.266340	1.42237	12.4946	4.654
%RSD	9.226192	8.757230	2.995567	350.4362	10.48362	1.271968	.4609636
#1	41.07933	24.13656	17.71996	3.262387	13.92474	994.8085	1014.787
#2	37.23860	20.53449	18.81373	-.590346	14.77725	982.2822	1005.869
#3	34.17469	21.17300	18.24737	-.731883	12.00061	969.8193	1008.020
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1006.039	1029.709	4329.244
SDEV	2.906	2.825	32.156
%RSD	.2888510	.2743725	.7427679
#1	1004.094	1030.344	4300.200
#2	1004.643	1032.163	4323.733
#3	1009.380	1026.620	4363.800
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0060334-MSD1 OPERATOR:
RUN TIME: 06/14/10 20:31:07
COMMENT: SDG:1005187 CLIENTID:BBG-GW02SD 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	49.74825	2202.397	2072.085	51.26341	14572.10	49.33508	494.7423
SDEV	1.33782	22.123	31.335	.29480	114.06	.46757	3.8620
%RSD	2.689185	1.004485	1.512229	.5750604	.7827397	.9477364	.7806129
#1	49.69038	2184.881	2043.716	51.19555	14627.39	49.67926	499.1686
#2	48.44030	2227.258	2105.718	51.00847	14440.93	48.80275	492.9995
#3	51.11407	2195.052	2066.820	51.58622	14647.99	49.52324	492.0589
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	201.5507	261.2199	997.4202	441.8039	7223.280	527.8377	16651.56
SDEV	3.4646	1.3886	15.8936	21.3891	22.328	5.6014	241.97
%RSD	1.718988	.5315812	1.593469	4.841308	.3091062	1.061190	1.453163
#1	205.3945	261.4191	1013.141	420.5579	7248.335	534.1356	16374.51
#2	198.6682	259.7424	981.3598	463.3332	7216.014	523.4128	16821.44
#3	200.5895	262.4981	997.7592	441.5207	7205.490	525.9648	16758.74
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	497.9823	44.52450	511.2774	489.4141	19.38768	9.366835	512.9385
SDEV	3.3738	6.42092	3.9856	8.3445	.98189	.660849	1.6462
%RSD	.6774924	14.42109	.7795386	1.704999	5.064500	7.055196	.3209442
#1	501.3994	46.42862	515.8784	496.1196	18.97474	9.886406	511.9784
#2	494.6536	37.36688	509.0654	480.0690	20.50860	8.623050	514.8394
#3	497.8940	49.77799	508.8883	492.0537	18.67970	9.591047	511.9977
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	39.72444	23.37054	17.39582	1.012021	13.53515	986.8043	1017.923
SDEV	1.75425	6.52372	4.10082	6.175497	3.09254	6.5173	2.880
%RSD	4.416051	27.91429	23.57360	610.2143	22.84818	.6604439	.2829133
#1	39.95936	18.16461	19.37570	-3.41664	16.52516	988.8372	1021.179
#2	41.34939	21.25836	20.13104	-1.61379	13.73092	979.5129	1015.710
#3	37.86456	30.68866	12.68072	8.066494	10.34938	992.0629	1016.881
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1004.666	1041.673	4274.689
SDEV	3.083	4.136	66.332
%RSD	.3068887	.3970579	1.551739
#1	1008.225	1037.524	4309.466
#2	1002.839	1041.698	4198.200
#3	1002.932	1045.796	4316.400
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: SDI1005187-14 OPERATOR:
RUN TIME: 06/14/10 20:38:15
COMMENT: SDG:1005187 CLIENTID:BBG-GW02L 1:5
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.4745645	49.34812	13.84264	1.002207	3253.378	-.570499	-1.29013
SDEV	.1912462	10.55271	.20647	.377365	69.329	.149130	.62783
%RSD	40.29930	21.38423	1.491517	37.65345	2.130984	26.14016	48.66448
#1	.3472423	61.26602	14.03607	1.327065	3188.178	-.405460	-1.57855
#2	.6944847	45.58745	13.86662	1.091283	3245.750	-.695575	-1.72193
#3	.3819665	41.19088	13.62523	.5882723	3326.205	-.610464	-.569910
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.434086	-.503549	-2.32054	L-1059.52	1513.207	6.029044	3370.844
SDEV	1.193600	.333253	26.62898	14.76	9.845	.239900	68.375
%RSD	274.9688	66.18072	1147.532	1.393439	.6506154	3.979072	2.028429
#1	.6653877	-.536751	11.12173	L-1048.08	1523.802	6.059650	3361.589
#2	-1.70358	-.818959	-32.9912	L-1054.29	1504.341	5.775310	3443.375
#3	-.264066	-.154939	14.90788	L-1076.18	1511.478	6.252172	3307.567
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3170642	.0801871	.3718656	4.243034	-.144665	-1.19703	.1678188
SDEV	.6366323	2.064066	.6436412	.829382	.894959	1.54091	1.449910
%RSD	200.7897	2574.063	173.0844	19.54691	618.6406	128.7274	863.9735
#1	.9110070	-.794621	-.212633	4.366213	-.212798	-2.91054	1.569594
#2	-.355040	2.437592	1.061664	3.358952	.7824122	-.755385	-1.32585
#3	.3952256	-1.40241	.2665655	5.003938	-1.00361	.0748307	.2597157
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.77225	5.864629	-3.14758	-.448820	-1.57335	.5486760	1.310185
SDEV	3.11878	10.29466	3.87989	7.554685	3.28677	1.462912	.914135
%RSD	112.5001	175.5382	123.2659	1683.232	208.9028	266.6258	69.77142
#1	-1.27800	1.573046	-1.10724	-6.70327	-1.01987	-.182641	2.349448
#2	L-6.35702	17.61078	-7.62193	7.944773	-5.10172	2.233043	.9505270
#3	-.681731	-1.58993	-.713575	-2.58796	1.401543	-.404374	.6305802
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.8403619	-.167533	4352.844
SDEV	.6526146	.383858	138.545
%RSD	77.65875	229.1246	3.182858
#1	1.487805	-.024066	4217.066
#2	.1826956	-.602460	4347.466
#3	.8505855	.1239284	4493.999
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 0060334-PS1 OPERATOR:
RUN TIME: 06/14/10 20:45:23
COMMENT: SDG:1005187 CLIENTID:BBG-GW02A 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	19.81596	584.4602	494.0711	12.10545	14935.48	10.47314	107.3649
SDEV	.15658	7.4853	6.2042	.21968	123.93	.51948	.8917
%RSD	.7901745	1.280716	1.255723	1.814695	.8297661	4.960086	.8305154
#1	19.82754	586.0008	491.7303	12.14884	15004.67	10.16804	107.5768
#2	19.65392	576.3245	489.3780	11.86732	14792.40	10.17842	106.3864
#3	19.96643	591.0554	501.1052	12.30020	15009.36	11.07295	108.1316
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	22.58316	55.53973	225.8076	419.7606	7331.658	61.16054	16760.56
SDEV	.31205	.17568	5.9305	16.5295	56.875	.72546	180.39
%RSD	1.381765	.3163206	2.626329	3.937830	.7757414	1.186149	1.076252
#1	22.26033	55.60612	221.2667	428.3918	7331.026	61.68236	16794.98
#2	22.88317	55.67253	232.5171	400.7022	7275.102	60.33212	16565.45
#3	22.60599	55.34052	223.6391	430.1878	7388.847	61.46714	16921.26
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	88.59551	17.58669	109.2230	59.19457	7.605905	9.965370	136.4453
SDEV	1.35996	3.73977	.5944	.38766	.726012	.908662	1.8955
%RSD	1.535022	21.26479	.5442080	.6548960	9.545371	9.118197	1.389169
#1	88.18832	21.38996	109.4080	58.82716	8.293854	9.062644	135.6878
#2	87.48566	17.45628	108.5581	59.15682	6.847035	9.953612	135.0456
#3	90.11255	13.91383	109.7029	59.59972	7.676826	10.87985	138.6023
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	19.27841	11.19678	5.809976	-.571555	15.22311	-1.31510	-1.18472
SDEV	2.33970	.42906	1.295681	2.333030	.27219	1.48550	1.77075
%RSD	12.13635	3.831963	22.30096	408.1900	1.788019	112.9569	149.4652
#1	16.90102	10.88419	6.997431	-2.66022	14.91245	-3.00211	.5497601
#2	19.35572	11.68595	4.428054	-1.00070	15.41976	-.740368	-1.11429
#3	21.57849	11.02020	6.004444	1.946256	15.33712	-.202840	-2.98963
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.2094331	.9670473	4265.822
SDEV	.3347410	.2998542	35.823
%RSD	159.8320	31.00719	.8397723
#1	.5910308	.7134641	4247.933
#2	.0719155	.8896717	4307.066
#3	-.034647	1.298006	4242.466
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005187-01 OPERATOR:
RUN TIME: 06/14/10 20:52:32
COMMENT: SDG:1005187 CLIENTID:BBG-GW10 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.138897	908.1668	21.33924	.5515579	5861.075	-.291789	.0739314
SDEV	.183743	18.6624	.33763	.1525951	75.362	.092856	.3918293
%RSD	132.2876	2.054958	1.582218	27.66620	1.285811	31.82318	529.9904
#1	-.277794	928.7094	21.70554	.7136765	5935.419	-.397940	.3223472
#2	-.208345	903.5337	21.04049	.5302769	5784.734	-.251801	-.377763
#3	.0694485	892.2574	21.27168	.4107204	5863.071	-.225626	.2772099
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.328918	3.690842	317.7539	-258.029	2846.135	30.29106	12008.63
SDEV	.192466	.351888	6.8021	16.796	25.971	.33038	191.39
%RSD	14.48293	9.534093	2.140670	6.509224	.9125010	1.090680	1.593756
#1	1.551120	3.746177	325.5195	-238.961	2875.411	30.60777	12227.63
#2	1.221437	3.314565	312.8518	-264.495	2837.127	30.31687	11924.83
#3	1.214198	4.011785	314.8903	-270.631	2825.868	29.94853	11873.44
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3.835535	-6.08802	1.122637	6.262360	2.616997	.6196787	4.041514
SDEV	.562336	1.42588	.102546	.414115	2.114294	2.462438	1.041757
%RSD	14.66121	23.42107	9.134351	6.612756	80.79085	397.3734	25.77639
#1	4.426609	-6.54616	1.025150	5.990046	.8179568	3.230854	3.984829
#2	3.307200	-4.48939	1.113177	6.738921	2.087241	.2887298	3.029257
#3	3.772797	-7.22852	1.229585	6.058113	4.945793	-1.66055	5.110456
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.663466	6.497217	.6770933	-9.93277	5.885289	-1.64324	-1.17775
SDEV	.781006	1.336186	2.504439	2.15735	2.951748	2.22060	1.21053
%RSD	117.7161	20.56551	369.8809	21.71952	50.15468	135.1352	102.7838
#1	.0096695	5.427412	-1.48606	-8.82086	9.244932	.8530236	-.106323
#2	-1.51978	6.069296	.0965104	-8.55820	4.702874	-3.39887	-2.49091
#3	-.480286	7.994944	3.420832	-12.4192	3.708061	-2.38388	-.936010
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.6265826	4.839887	4468.222
SDEV	.3362410	.094988	65.683
%RSD	53.66268	1.962606	1.469999
#1	.8967700	4.901063	4393.933
#2	.7329577	4.730459	4492.133
#3	.2500203	4.888141	4518.600
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005187-02 OPERATOR:
RUN TIME: 06/14/10 20:59:40
COMMENT: SDG:1005187 CLIENTID:FB-052510 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.451415	47.71823	-.043829	1.254135	411.2531	-.466347	-1.58074
SDEV	.542410	12.99946	.104384	.362706	2.4594	.203571	.47377
%RSD	120.1577	27.24213	238.1634	28.92079	.5980239	43.65217	29.97149
#1	-.104173	32.93911	-.019225	.9075368	413.9308	-.321947	-1.20102
#2	-1.07645	52.83422	-.158316	1.223823	410.7334	-.377917	-1.42954
#3	-.173621	57.38137	.0460554	1.631046	409.0951	-.699179	-2.11166
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.178881	6.263919	17.42584	L-1452.11	1.169024	.4076853	33.53902
SDEV	.603183	.365714	3.16392	13.21	4.882263	.0157903	113.5243
%RSD	51.16571	5.838417	18.15646	.9094451	417.6358	3.873152	338.4843
#1	.8609297	6.618063	17.83112	L-1443.84	5.291277	.3897654	75.21972
#2	1.874522	6.286053	20.36759	L-1467.34	-4.22253	.4137316	-94.9341
#3	.8011913	5.887641	14.07882	L-1445.15	2.438328	.4195590	120.3314
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.052304	-6.89455	-.525566	1.461783	.9599144	-.895049	4.476777
SDEV	.080218	1.58011	.552486	.145797	1.505383	.320604	.365139
%RSD	7.623069	22.91829	105.1221	9.973935	156.8247	35.81973	8.156297
#1	.9657686	-5.08807	-.217821	1.358274	-.224941	-1.19471	4.793645
#2	1.124183	-8.01969	-1.16339	1.628521	.4508591	-.933476	4.077464
#3	1.066962	-7.57589	-.195485	1.398555	2.653825	-.556963	4.559220
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.24879	1.651243	.6118596	-19.9021	8.591330	-1.63963	-2.29623
SDEV	2.30440	5.711784	1.982571	4.0997	1.844479	1.30033	3.55473
%RSD	102.4730	345.9081	324.0239	20.59921	21.46908	79.30624	154.8077
#1	-2.23802	1.743484	-1.21049	-19.5063	7.944544	-.547368	-.995726
#2	.0502103	-4.10610	2.722982	-24.1854	10.67209	-3.07800	-6.31807
#3	-4.55856	7.316348	.3230834	-16.0147	7.157351	-1.29353	.4251197
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.260608	-.102220	4152.488
SDEV	.401643	.103188	127.954
%RSD	154.1179	100.9475	3.081371
#1	-.669449	-.204342	4297.600
#2	.1334286	.0020029	4103.999
#3	-.245804	-.104321	4055.867
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005187-03 OPERATOR:
RUN TIME: 06/14/10 21:06:48
COMMENT: SDG:1005187 CLIENTID:BBG-GW01 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.023149	5763.217	24.90391	.9789820	89257.72	-.117418	-1.05426
SDEV	.140336	47.098	.22038	.1277314	1790.17	.282886	.66198
%RSD	606.2177	.8172225	.8849261	13.04736	2.005617	240.9218	62.79115
#1	.1041727	5744.304	25.00903	1.110992	91247.40	-.078250	-.316164
#2	-.000000	5816.832	25.05204	.9699458	88748.23	.1438427	-1.25117
#3	-.173621	5728.514	24.65065	.8560088	87777.52	-.417848	-1.59544
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	7.021900	1.139900	2059.964	-111.836	2568.271	15.12242	6931.562
SDEV	1.039360	.271762	59.615	10.431	45.810	.45452	18.460
%RSD	14.80170	23.84085	2.893961	9.327348	1.783679	3.005609	.2663160
#1	8.221993	1.438708	2123.281	-119.369	2606.412	15.63499	6952.866
#2	6.411646	.9074928	2051.696	-99.9296	2580.940	14.96382	6921.532
#3	6.432062	1.073498	2004.915	-116.209	2517.459	14.76844	6920.290
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.571446	-3.32348	9.339690	5.878296	3.678550	-.235755	6.736525
SDEV	.926516	3.44600	.570885	1.000860	.844193	.556506	1.035005
%RSD	58.95948	103.6866	6.112458	17.02637	22.94906	236.0532	15.36407
#1	2.587373	.5452788	9.923763	6.951689	4.392882	-.865014	7.412040
#2	1.353916	-4.45197	9.312328	5.712534	2.746964	-.033924	7.252580
#3	.7730486	-6.06375	8.782978	4.970665	3.895803	.1916743	5.544956
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.875682	6.472680	2.280774	-10.5768	4.924209	.5454899	-1.54270
SDEV	2.457063	.919662	1.095562	1.8599	.768091	.6994821	.59071
%RSD	130.9957	14.20836	48.03465	17.58496	15.59825	128.2301	38.29071
#1	4.525894	7.496883	2.840431	-11.5513	4.467337	.9148371	-.891818
#2	1.427758	6.203546	1.018426	-11.7470	5.810987	.9828792	-1.69151
#3	-.326604	5.717609	2.983464	-8.43211	4.494303	-.261247	-2.04479
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	2.835052	27.37597	4305.222
SDEV	.789115	.24491	45.907
%RSD	27.83422	.8946246	1.066314
#1	3.740883	27.50233	4347.200
#2	2.467600	27.53190	4256.200
#3	2.296672	27.09369	4312.267
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005187-04 OPERATOR:
RUN TIME: 06/14/10 21:13:57
COMMENT: SDG:1005187 CLIENTID:EB1-052510 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.115747	36.53030	.0024956	.9303781	398.0282	-.535392	-2.33017
SDEV	.087387	3.95863	.0293053	.0644488	.7132	.132248	.11274
%RSD	75.49834	10.83657	1174.302	6.927163	.1791741	24.70117	4.838145
#1	-.034724	37.92568	.0222622	.9651306	397.7614	-.424364	-2.29729
#2	-.208345	39.60228	.0163981	.9699917	398.8363	-.500109	-2.23754
#3	-.104173	32.06293	-.031174	.8560120	397.4869	-.681703	-2.45570
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.9611247	.8908923	13.85685	L-1442.83	5.903232	.3881422	96.01122
SDEV	.1818317	.0287528	7.25647	2.76	.277291	.1028196	58.91935
%RSD	18.91864	3.227418	52.36738	.1914820	4.697270	26.49019	61.36715
#1	1.062001	.9074928	19.87868	L-1439.67	6.210777	.3870872	163.5946
#2	1.070157	.9074928	15.89169	L-1444.08	5.826612	.4914853	68.99139
#3	.7512163	.8576914	5.800190	L-1444.75	5.672308	.2858542	55.44769
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1606743	-5.46533	-.176136	3.007134	.6192332	-.501338	5.554209
SDEV	.5726473	3.58870	.155763	.128426	.7678341	2.198514	1.267853
%RSD	356.4026	65.66304	88.43332	4.270709	123.9976	438.5293	22.82688
#1	.7086024	-3.11696	-.087835	3.154431	1.002572	-2.59684	6.206608
#2	-.433846	-3.68271	-.084587	2.948344	-.264793	1.787425	6.363013
#3	.2072660	-9.59630	-.355985	2.918626	1.119921	-.694596	4.093006
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.13476	3.760929	-.952057	-13.1498	5.810601	-.948489	-.541350
SDEV	3.15198	.698805	.809629	1.2948	2.854822	3.001254	1.284984
%RSD	147.6499	18.58066	85.03997	9.846627	49.13127	316.4247	237.3665
#1	-1.05173	3.980478	-.486943	-14.6291	3.407488	2.486230	-.305638
#2	.3329085	2.978713	-1.88693	-12.5976	8.966330	-3.06529	-1.92787
#3	L-5.68547	4.323595	-.482296	-12.2226	5.057983	-2.26641	.6094599
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.591235	-.156150	4314.911
SDEV	.495252	.090329	28.277
%RSD	83.76578	57.84754	.6553235
#1	-.672083	-.052778	4319.733
#2	-1.04109	-.195797	4284.533
#3	-.060533	-.219874	4340.466
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005187-05 OPERATOR:
RUN TIME: 06/14/10 21:21:05
COMMENT: SDG:1005187 CLIENTID:BBG-GW03 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.057874	982.1023	84.63192	.3905640	4809.412	-.069859	.2847836
SDEV	.106084	4.0441	.33312	.1477678	35.807	.078948	.3628900
%RSD	183.3030	.4117765	.3936141	37.83446	.7445289	113.0101	127.4266
#1	-.173621	984.2692	84.90332	.5428846	4769.658	-.141630	-.051164
#2	.0347242	984.6011	84.73229	.2478144	4839.132	-.082653	.6696528
#3	-.034724	977.4365	84.26015	.3809929	4819.444	.0147041	.2358616
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.723682	.5588822	62.07693	-241.738	8740.458	9.228599	8321.217
SDEV	.500061	.1418345	4.63183	7.954	36.295	.172116	18.578
%RSD	29.01121	25.37824	7.461430	3.290269	.4152520	1.865026	.2232649
#1	1.602288	.4094782	67.42514	-234.066	8701.898	9.030614	8333.061
#2	2.273264	.6916862	59.43970	-241.201	8745.520	9.342598	8330.784
#3	1.295494	.5754824	59.36597	-249.946	8773.957	9.312586	8299.805
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.411928	-4.93540	1.057321	7.712555	1.227879	.9204215	5.359176
SDEV	.057905	1.64481	.180715	.831348	.839499	1.373050	2.158485
%RSD	4.101155	33.32674	17.09182	10.77915	68.36985	149.1763	40.27643
#1	1.417548	-4.15626	.9017865	6.895865	2.142253	-.655540	4.205802
#2	1.351418	-3.82493	1.014612	8.557824	1.049436	1.558316	7.849329
#3	1.466819	-6.82500	1.255566	7.683976	.4919477	1.858489	4.022397
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.852611	4.420886	-.368878	-10.6672	6.702916	.0488452	.1549156
SDEV	.629602	.624177	1.375600	4.9581	.450372	1.755858	1.340226
%RSD	73.84400	14.11882	372.9143	46.47994	6.719046	3594.738	865.1329
#1	-1.55269	4.007461	1.208386	-16.2945	7.149572	2.057426	1.379656
#2	-.672312	5.138878	-.994864	-8.76633	6.710258	-.716194	-1.27673
#3	-.332828	4.116319	-1.32016	-6.94083	6.248918	-1.19470	.3618203
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.152126	2.835620	4560.644
SDEV	.140174	.533412	22.980
%RSD	92.14343	18.81111	.5038861
#1	.0097249	2.331928	4535.333
#2	-.231642	2.780466	4566.400
#3	-.234460	3.394465	4580.200
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV OPERATOR:
RUN TIME: 06/14/10 21:28:14
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	100.3993	47719.53	964.2481	982.9547	47636.38	972.4249	968.7974
SDEV	.7890	533.81	9.0213	9.0446	424.04	1.3902	5.3484
%RSD	.7858967	1.118647	.9355761	.9201461	.8901601	.1429595	.5520628
#1	100.5267	48238.81	960.8616	993.1992	48093.56	971.4055	973.2849
#2	99.55437	47747.49	974.4725	976.0738	47255.97	971.8608	970.2282
#3	101.1170	47172.28	957.4100	979.5910	47559.61	974.0085	962.8791
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	972.0670	1010.129	23893.78	52100.43	50432.29	973.4289	50339.30
SDEV	3.3986	4.220	85.09	523.65	382.45	4.2174	344.48
%RSD	.3496229	.4178163	.3560975	1.005070	.7583375	.4332562	.6843169
#1	975.4611	1009.919	23975.41	52178.91	50866.18	975.1506	50604.89
#2	972.0761	1006.018	23805.61	52580.41	50286.56	976.5131	50462.94
#3	968.6639	1014.451	23900.32	51541.98	50144.13	968.6230	49950.06
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	975.8444	990.3227	972.9365	1043.558	976.0945	1002.771	1020.391
SDEV	1.1850	6.0362	13.6960	9.631	5.5428	2.227	10.242
%RSD	.1214317	.6095228	1.407692	.9228767	.5678532	.2220806	1.003724
#1	977.2043	997.2430	988.6879	1050.355	982.2073	1004.701	1025.631
#2	975.2961	987.5823	963.8362	1032.537	971.3956	1003.278	1026.953
#3	975.0330	986.1428	966.2853	1047.782	974.6807	1000.334	1008.590
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	999.2110	970.9806	978.6435	1013.929	997.1973	988.1858	1004.029
SDEV	4.3858	6.7203	7.8977	2.910	4.3857	2.4012	8.880
%RSD	.4389223	.6921198	.8070087	.2870407	.4398052	.2429890	.8844308
#1	1004.192	971.1877	987.7048	1010.626	1001.740	990.3065	1001.749
#2	995.9307	964.1592	975.0042	1016.116	996.8646	985.5786	1013.827
#3	997.5099	977.5951	973.2216	1015.044	992.9874	988.6724	996.5116
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	996.3252	984.5642	4382.800
SDEV	3.3474	10.2186	47.404
%RSD	.3359710	1.037877	1.081586
#1	992.7174	996.1120	4374.333
#2	999.3301	980.8892	4340.200
#3	996.9280	976.6914	4433.866
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB OPERATOR:
RUN TIME: 06/14/10 21:35:24
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1388969	35.88781	.1893509	.6586767	387.2610	.4004445	.2374385
SDEV	.1252000	5.59513	.0304584	.1363474	1.0442	.3141248	.5304269
%RSD	90.13878	15.59061	16.08570	20.70019	.2696440	78.44403	223.3955
#1	.2777939	30.64736	.2144946	.5754165	388.3404	.3363327	-.345025
#2	.1041727	35.23560	.1554821	.5845855	387.1866	.1233214	.3646423
#3	.0347242	41.78046	.1980759	.8160280	386.2560	.7416794	.6926979
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1315270	-.149405	7.705823	-1424.88	25.15409	.3934341	34.82975
SDEV	.2938349	.246412	1.930317	3.20	1.93033	.0552480	15.92958
%RSD	223.4028	164.9281	25.05011	.2246059	7.674004	14.04251	45.73555
#1	.1311917	.0608677	7.739242	-1421.22	25.41993	.3631896	16.79793
#2	-.162140	-.088537	9.619213	-1427.15	23.10462	.3599118	40.70057
#3	.4255293	-.420547	5.759013	-1426.27	26.93772	.4572009	46.99075
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.9362808	2.652049	.3799210	1.177995	-.720547	-.304584	-.907683
SDEV	.5800647	2.096541	.2185769	.124787	.587953	1.659569	.668327
%RSD	61.95414	79.05361	57.53220	10.59318	81.59807	544.8641	73.63004
#1	.6958358	3.451739	.6322952	1.322075	-1.11785	-1.72800	-.835546
#2	.5151025	.2733522	.2512284	1.104352	-.045135	1.518241	-1.60915
#3	1.597904	4.231056	.2562392	1.107558	-.998657	-.703989	-.278350
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.802757	-2.07574	-.046620	-1.89451	.4865323	.2294549	-.172493
SDEV	1.397887	1.42673	.678598	3.32361	.8454526	1.836804	.952472
%RSD	174.1357	68.73334	1455.607	175.4336	173.7711	800.5076	552.1798
#1	-.507965	-1.70012	-.829812	-4.94649	-.123833	1.874240	.3859669
#2	.4242233	-.874405	.3662355	1.646530	1.451549	-1.75262	.3688222
#3	-2.32453	-3.65270	.3237179	-2.38357	.1318815	.5667439	-1.27227
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.3598854	.2126529	4546.955
SDEV	.7369596	.0455399	17.480
%RSD	204.7761	21.41515	.3844378
#1	1.185405	.2625160	4534.133
#2	-.231751	.1732596	4566.866
#3	.1260023	.2021832	4539.866
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005187-06 OPERATOR:
RUN TIME: 06/14/10 21:42:32
COMMENT: SDG:1005187 CLIENTID:EB2-052510 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.173621	32.42547	.0025319	.6972256	401.7530	-.431000	-1.67967
SDEV	.091872	7.06670	.0346477	.2456553	1.0486	.205069	.22220
%RSD	52.91503	21.79368	1368.470	35.23327	.2610172	47.57995	13.22852
#1	-.243070	40.57120	.0391319	.9802472	400.5422	-.320232	-1.46185
#2	-.208345	28.76924	-.001775	.5721657	402.3693	-.667633	-1.67115
#3	-.069448	27.93597	-.029761	.5392639	402.3476	-.305134	-1.90600
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.8474644	.3320086	13.76647	L-1440.75	4.706117	.2840354	126.9178
SDEV	.2998611	.1014305	4.03741	1.89	2.841240	.0980296	81.0379
%RSD	35.38333	30.55055	29.32787	.1315127	60.37334	34.51316	63.85071
#1	.5491455	.2434730	17.82181	L-1439.79	3.650114	.2882282	214.6565
#2	1.148844	.3098745	9.747219	L-1439.53	7.924153	.1839767	111.2191
#3	.8444035	.4426784	13.73040	L-1442.93	2.544083	.3799014	54.87784
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0411894	-6.26457	-.010738	2.386375	2.082407	-.211682	4.229789
SDEV	.4364054	1.45296	.413755	.452919	1.626201	.492289	1.006585
%RSD	1059.509	23.19331	3853.039	18.97936	78.09238	232.5611	23.79753
#1	.0806898	-7.88818	-.482602	2.030702	.3697567	-.473262	4.159226
#2	.4565018	-5.81885	.1603720	2.232160	2.271911	-.517961	5.269799
#3	-.413623	-5.08668	.2900147	2.896262	3.605555	.3561786	3.260342
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.64641	4.938153	.6539074	-13.3309	6.335345	.1709809	-2.19830
SDEV	1.93812	2.511386	2.123969	1.1596	1.119233	1.565890	.46207
%RSD	73.23574	50.85678	324.8119	8.698525	17.66650	915.8274	21.01961
#1	-4.88405	4.673628	-1.78175	-11.9924	5.274893	.6497139	-2.27694
#2	-1.55950	2.569500	2.120585	-14.0313	6.225831	-1.57839	-1.70195
#3	-1.49568	7.571331	1.622887	-13.9691	7.505309	1.441622	-2.61601
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.307481	-.119244	4361.177
SDEV	.433364	.130890	39.938
%RSD	140.9399	109.7664	.9157692
#1	.1929240	-.255023	4315.066
#2	-.557591	.0061376	4383.600
#3	-.557777	-.108848	4384.866
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005187-07 OPERATOR:
RUN TIME: 06/14/10 21:49:41
COMMENT: SDG:1005187 CLIENTID:BBG-GW09 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-3.22935	31544.52	1214.266	-.921157	10281.35	-1.98971	-7.34124
SDEV	.30072	85.44	5.489	.019354	226.60	.09584	.55856
%RSD	9.312098	.2708566	.4520732	2.101022	2.204028	4.816808	7.608482
#1	-3.05573	31447.18	1220.534	-.942648	10488.04	-1.92268	-7.06106
#2	-3.57660	31607.13	1211.947	-.905105	10316.98	-1.94698	-6.97822
#3	-3.05573	31579.24	1210.317	-.915718	10039.05	-2.09949	-7.98443
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	43.97217	16.44556	3232.959	394.8512	1790.946	12.08077	3282.748
SDEV	1.32419	.18261	73.732	20.2719	24.899	.38975	20.435
%RSD	3.011424	1.110365	2.280645	5.134057	1.390292	3.226208	.6224894
#1	44.64249	16.62816	3281.469	374.9408	1799.348	12.41211	3260.515
#2	44.82716	16.44556	3269.297	394.1465	1810.557	12.17885	3287.019
#3	42.44685	16.26295	3148.111	415.4662	1762.932	11.65135	3300.709
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	7.771624	-5.66207	27.57439	22.32768	13.85044	1.105106	4.150187
SDEV	.217073	2.03259	.25165	.91745	.58277	1.179154	.413729
%RSD	2.793152	35.89825	.9126344	4.109034	4.207608	106.7005	9.968919
#1	7.984738	-5.50252	27.66606	23.19027	14.48351	2.415439	4.336903
#2	7.550797	-3.71397	27.76735	22.42899	13.33631	.7703676	4.437649
#3	7.779338	-7.76974	27.28975	21.36378	13.73151	.1295118	3.676008
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	5.504484	10.70729	15.41731	-7.39053	5.344492	-3.06651	-2.36761
SDEV	.778091	2.88717	1.81972	.41117	1.613935	1.12206	.98379
%RSD	14.13559	26.96448	11.80307	5.563443	30.19809	36.59071	41.55194
#1	6.400711	9.011274	17.21319	-6.95476	7.091515	-2.97093	-1.27305
#2	5.001516	9.069667	15.46408	-7.77162	5.032869	-4.23330	-2.65165
#3	5.111226	14.04093	13.57466	-7.44521	3.909093	-1.99530	-3.17813
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.2783600	74.73246	5806.844
SDEV	.4689038	.54377	49.239
%RSD	168.4523	.7276229	.8479474
#1	-.162010	75.32037	5860.399
#2	.7713574	74.62946	5796.600
#3	.2257324	74.24756	5763.533
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005187-08 OPERATOR:
RUN TIME: 06/14/10 21:56:49
COMMENT: SDG:1005187 CLIENTID:BBG-GW09D 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.3009433	5108.406	205.1278	.7105264	9385.498	-.496844	-2.01114
SDEV	.8821140	29.844	2.2306	.2654882	103.183	.081963	.13527
%RSD	293.1163	.5842141	1.087438	37.36500	1.099390	16.49673	6.725993
#1	1.319521	5119.621	206.7946	1.010030	9266.947	-.405571	-2.16566
#2	-.208345	5131.018	205.9949	.6174068	9455.072	-.564157	-1.91413
#3	-.208345	5074.579	202.5938	.5041425	9434.475	-.520804	-1.95363
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	7.124849	.9738945	557.4256	-515.718	1687.940	5.701076	4462.119
SDEV	.303697	.1521456	18.0605	23.591	5.687	.178331	127.065
%RSD	4.262501	15.62239	3.239990	4.574442	.3369336	3.128019	2.847637
#1	6.862627	.8078901	536.5967	-488.894	1683.399	5.495973	4608.826
#2	7.054315	1.007095	566.9457	-525.016	1694.319	5.787770	4390.586
#3	7.457607	1.106698	568.7344	-533.243	1686.102	5.819484	4386.944
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.590648	-4.27484	5.410068	5.175855	3.222227	-1.10192	4.301615
SDEV	.697845	1.48429	1.198472	.082556	.621654	2.53272	.367826
%RSD	43.87175	34.72157	22.15263	1.595012	19.29269	229.8457	8.550874
#1	1.529969	-3.66215	6.755949	5.163077	2.645869	1.353635	4.231018
#2	.9251233	-3.19497	4.458222	5.100434	3.139849	-.954077	4.699623
#3	2.316850	-5.96739	5.016032	5.264055	3.880964	-3.70532	3.974205
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.86422	12.23836	-1.28169	-6.97742	1.828812	.5936385	1.010572
SDEV	2.61993	7.88222	4.73985	9.78588	2.060386	3.938091	2.492000
%RSD	140.5376	64.40588	369.8120	140.2507	112.6625	663.3820	246.5930
#1	-3.48575	21.32737	-6.68352	4.168567	-.054368	5.067687	3.888070
#2	-3.26524	8.108299	.6567374	-10.9415	4.029536	-2.34746	-.419916
#3	1.158334	7.279399	2.181708	-14.1593	1.511269	-.939309	-.436437
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.3767140	16.05096	4620.133
SDEV	.5454294	.16729	57.827
%RSD	144.7861	1.042266	1.251638
#1	.7046588	15.92245	4559.400
#2	.6783943	16.24012	4626.466
#3	-.252911	15.99033	4674.533
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005187-09 OPERATOR:
RUN TIME: 06/14/10 22:03:57
COMMENT: SDG:1005187 CLIENTID:BBG-GW08 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.000000	285.2616	9.260684	.6595271	82308.52	-.157058	-.486492
SDEV	.375600	8.9592	.209774	.3205411	175.26	.053720	.382673
%RSD	5041E6	3.140686	2.265209	48.60166	.2129339	34.20421	78.65977
#1	.4166908	294.9608	9.497423	1.013890	82155.02	-.204104	-.176595
#2	-.104173	283.5280	9.186712	.5749018	82499.48	-.168546	-.368654
#3	-.312518	277.2958	9.097918	.3897892	82271.06	-.098522	-.914225
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	5.518358	2.080594	737.7028	-481.513	2521.877	12.63724	6309.242
SDEV	.299630	.332563	8.7913	11.163	28.288	.14958	111.378
%RSD	5.429700	15.98402	1.191710	2.318286	1.121703	1.183684	1.765314
#1	5.180636	1.704317	747.4664	-471.774	2550.748	12.78555	6435.877
#2	5.622129	2.202331	735.2275	-479.071	2520.675	12.63976	6265.359
#3	5.752307	2.335135	730.4145	-493.695	2494.210	12.48641	6226.490
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.469757	-4.64081	3.800463	7.808360	1.509623	.3459636	4.179572
SDEV	.512289	2.46894	.178344	.509746	.470480	2.647479	.311927
%RSD	20.74249	53.20066	4.692699	6.528213	31.16541	765.2480	7.463121
#1	1.878453	-6.04208	3.979169	8.185017	1.112396	3.305951	3.842836
#2	2.779896	-6.09029	3.799737	7.228319	2.029187	-1.79585	4.237241
#3	2.750922	-1.79006	3.622482	8.011745	1.387285	-.472213	4.458641
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.207689	4.244410	.1415713	-10.6007	5.808370	-1.59147	-1.34494
SDEV	1.691817	1.535474	.1659621	2.6529	2.666080	.89362	1.80195
%RSD	814.5907	36.17639	117.2286	25.02592	45.90066	56.15058	133.9801
#1	1.708828	3.228804	.0530386	-7.55445	8.725272	-2.05719	-2.27219
#2	-.838127	6.010819	.0386477	-12.4037	3.497426	-2.15604	-2.49445
#3	-1.49377	3.493606	.3330276	-11.8439	5.202411	-.561186	.7318146

ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.051871	4.308347	4460.111
SDEV	.528549	.098111	52.409
%RSD	1018.968	2.277224	1.175055
#1	-.076821	4.212809	4408.267
#2	-.567503	4.303389	4458.999
#3	.4887110	4.408843	4513.066

ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005187-10 OPERATOR:
RUN TIME: 06/14/10 22:11:06
COMMENT: SDG:1005187 CLIENTID:BBG-GW07 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0347242	330.0328	29.71701	.8083504	2081.919	-.431136	-.176405
SDEV	.1252000	4.2029	.67683	.1171012	26.048	.135452	.554943
%RSD	360.5552	1.273484	2.277601	14.48643	1.251167	31.41740	314.5852
#1	.1736212	329.7315	28.99550	.8005637	2102.623	-.283185	.3327873
#2	-.069448	325.9886	29.81762	.6953369	2090.461	-.461180	-.094097
#3	-.000000	334.3782	30.33790	.9291506	2052.672	-.549043	-.767905
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.236630	2.434738	480.1724	-432.500	1181.806	21.00750	8244.923
SDEV	.463399	.092428	9.6010	14.460	5.304	.35442	61.359
%RSD	37.47270	3.796220	1.999486	3.343327	.4488323	1.687088	.7442076
#1	.7513955	2.517741	474.7707	-438.298	1181.254	21.15185	8304.642
#2	1.674565	2.451339	491.2574	-443.161	1187.365	21.26697	8248.081
#3	1.283931	2.335135	474.4889	-416.041	1176.799	20.60369	8182.045
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.900181	-6.48975	.4410871	15.03004	.6437728	-.290390	6.630519
SDEV	.349685	.23118	.3405399	.44508	.8000482	2.186518	.255653
%RSD	12.05734	3.562260	77.20468	2.961294	124.2749	752.9600	3.855703
#1	3.161370	-6.73471	.8261722	15.47218	1.505504	-.409749	6.910241
#2	3.036260	-6.45917	.1796279	15.03587	-.075435	1.953363	6.572362
#3	2.502914	-6.27539	.3174612	14.58207	.5012493	-2.41478	6.408955
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.04233	4.845413	-1.45670	-13.7907	6.446827	.6469243	-.688381
SDEV	1.12379	2.003384	.81734	5.2883	2.915919	1.007322	.376432
%RSD	107.8150	41.34599	56.10941	38.34708	45.23029	155.7094	54.68368
#1	-2.33522	5.875741	-.679122	-8.78073	3.766685	1.461466	-.427484
#2	-.299743	2.536548	-1.38225	-13.2721	9.551894	.9587420	-1.11991
#3	-.492038	6.123951	-2.30872	-19.3192	6.021903	-.479435	-.517748
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.383577	2.801726	4310.933
SDEV	.509929	.349114	40.674
%RSD	132.9405	12.46068	.9435187
#1	.1864086	2.701322	4335.933
#2	-.796495	3.190041	4332.866
#3	-.540644	2.513816	4263.999
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005187-11 OPERATOR:
RUN TIME: 06/14/10 22:18:15
COMMENT: SDG:1005187 CLIENTID:EB1-052710 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0115747	34.81856	.1197983	.9340227	401.1033	-.232454	-1.47784
SDEV	.2121686	4.69602	.0462672	.2330384	2.1022	.220689	.49404
%RSD	1833.030	13.48713	38.62096	24.94997	.5240950	94.93852	33.43010
#1	.2430696	40.10048	.1541043	1.197973	398.8539	-.480639	-2.02371
#2	-.034724	33.23995	.1381133	.8473742	401.4380	-.058294	-1.06138
#3	-.173621	31.11524	.0671773	.7567208	403.0180	-.158430	-1.34844
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.6439871	-.304344	6.302948	L-1433.25	3.402343	.2828662	170.4770
SDEV	.1683983	.116203	9.534570	3.91	2.090639	.0922513	29.0247
%RSD	26.14933	38.18163	151.2716	.2727203	61.44704	32.61304	17.02556
#1	.4495975	-.420547	-4.46498	L-1429.54	1.679397	.1907689	171.3118
#2	.7453667	-.304344	9.700252	L-1432.89	5.728181	.2825592	199.0753
#3	.7369969	-.188140	13.67357	L-1437.33	2.799452	.3752707	141.0440
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.307756	-4.40381	.0801221	2.753597	1.709672	-.180359	4.080683
SDEV	.461279	1.45271	.4964071	.688037	1.357148	1.504378	.266954
%RSD	149.8848	32.98751	619.5635	24.98685	79.38063	834.1032	6.541904
#1	-.111992	-5.01145	.4369134	2.493030	1.828007	-1.23670	4.388641
#2	.0233567	-2.74595	.2902428	2.233900	.2972309	1.542074	3.938354
#3	-.834632	-5.45404	-.486790	3.533860	3.003778	-.846456	3.915053
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	L-5.17868	6.267004	-.568344	-8.50106	3.971103	-1.45881	.0193766
SDEV	1.02238	2.619554	2.006252	1.89534	1.738404	.56929	.9656621
%RSD	19.74203	41.79914	352.9995	22.29529	43.77634	39.02411	4983.641
#1	L-6.33044	9.178531	-1.84456	-8.17207	2.223329	-1.10566	.1754424
#2	-4.82714	4.101085	-1.60460	-6.79175	5.699983	-1.15523	-1.01481
#3	-4.37845	5.521396	1.744130	-10.5393	3.989998	-2.11555	.8975006

ERRORS	LC LOW	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.2605743	-.335354	4363.022
SDEV	.4976852	.058517	71.249
%RSD	190.9955	17.44925	1.633029
#1	.5749487	-.334443	4285.866
#2	-.313227	-.277298	4376.866
#3	.5200009	-.394321	4426.333

ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005187-12 OPERATOR:
RUN TIME: 06/14/10 22:25:23
COMMENT: SDG:1005187 CLIENTID:BBG-GW04 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.208345	181.8264	18.76831	.6773287	125291.0	-.159843	1.175664
SDEV	.240577	6.2448	.22713	.1351786	916.7	.052852	.084529
%RSD	115.4701	3.434484	1.210152	19.95760	.7316734	33.06513	7.189861
#1	-.069448	185.7348	18.93564	.7909934	124956.1	-.219219	1.264658
#2	-.486139	185.1201	18.85954	.7131435	124588.9	-.142367	1.096452
#3	-.069448	174.6242	18.50976	.5278492	126328.1	-.117941	1.165882
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3.650720	.6086836	1176.675	-692.183	2637.306	26.39650	3496.445
SDEV	.415268	.0862585	7.515	3.790	8.293	.38718	75.695
%RSD	11.37496	14.17132	.6386787	.5475742	.3144476	1.466769	2.164923
#1	3.540410	.7082863	1168.192	-688.509	2634.117	25.94946	3583.500
#2	4.110006	.5588822	1179.331	-691.959	2646.720	26.62446	3459.686
#3	3.301745	.5588822	1182.501	-696.080	2631.081	26.61558	3446.148
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	9.932816	-6.65987	3.366931	4.456333	.3127995	-1.50735	5.371581
SDEV	.201771	3.82767	.203049	.146297	.6619601	2.16211	.587550
%RSD	2.031354	57.47365	6.030682	3.282897	211.6244	143.4374	10.93813
#1	9.911566	L-10.6219	3.556613	4.625028	.8747623	-1.69166	4.697094
#2	10.14437	-6.37532	3.152740	4.379695	.4805268	-3.57141	5.772194
#3	9.742511	-2.98242	3.391440	4.364277	-.416891	.7410081	5.645454
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	4.418305	3.586062	-1.32408	-12.2637	3.860052	.9647518	-.364441
SDEV	2.828191	1.871746	.65107	3.3110	1.882775	1.282827	.664094
%RSD	64.01076	52.19503	49.17175	26.99833	48.77591	132.9696	182.2227
#1	1.196760	3.885823	-.631231	-10.8945	2.900160	2.355865	-1.02884
#2	6.492650	5.289837	-1.92322	-16.0397	2.650680	.7099327	-.363823
#3	5.565506	1.582525	-1.41779	-9.85688	6.029317	-.171542	.2993440

ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1.899517	.2819274	4468.466
SDEV	.599376	.0867940	25.579
%RSD	31.55415	30.78595	.5724368
#1	2.197061	.2848115	4440.733
#2	2.291904	.3672434	4473.533
#3	1.209586	.1937272	4491.133

ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005187-13 OPERATOR:
RUN TIME: 06/14/10 22:32:32
COMMENT: SDG:1005187 CLIENTID:BBG-GW03UCH 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.046299	92.01567	4.127425	.3558372	32544.14	-.349207	-.504162
SDEV	.171291	5.19424	.045007	.1462265	149.04	.244394	.342449
%RSD	369.9663	5.644954	1.090437	41.09366	.4579724	69.98556	67.92441
#1	.0694485	96.71317	4.177949	.5106987	32482.59	-.461011	-.254658
#2	.0347242	92.89653	4.091620	.3366785	32714.10	-.068909	-.363241
#3	-.243070	86.43733	4.112707	.2201344	32435.73	-.517701	-.894587
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.303320	4.244193	290.4368	178.4017	1462.366	17.73271	18284.42
SDEV	.415662	.174897	6.3390	13.2580	7.823	.17253	121.74
%RSD	18.04621	4.120855	2.182570	7.431536	.5349554	.9729238	.6658129
#1	2.117617	4.061587	283.3817	189.8318	1470.152	17.59599	18393.17
#2	2.012882	4.260793	292.2756	181.5066	1462.439	17.92655	18152.91
#3	2.779460	4.410198	295.6531	163.8669	1454.507	17.67557	18307.18
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	2.692916	-5.06113	.8545663	5.360786	.3925826	1.468696	5.832935
SDEV	.323551	2.74057	.2561819	.305464	.2465597	1.184980	1.879442
%RSD	12.01491	54.14931	29.97800	5.698124	62.80455	80.68246	32.22120
#1	2.341016	-3.36359	.8582088	5.022720	.3749631	2.365506	5.535843
#2	2.760193	-8.22279	1.108908	5.442686	.1553053	.1253181	4.119734
#3	2.977540	-3.59700	.5965826	5.616951	.6474794	1.915263	7.843229
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	3.427810	3.574171	-1.19851	-8.17814	6.282197	-1.42302	-.670708
SDEV	2.194155	1.106126	.62009	1.21030	2.320002	2.72830	.238347
%RSD	64.01042	30.94774	51.73854	14.79926	36.92979	191.7255	35.53664
#1	2.538610	4.825375	-1.84960	-9.49841	8.285877	-1.45766	-.590266
#2	1.817826	2.726352	-1.13098	-7.12116	3.740435	1.322430	-.482990
#3	5.926992	3.170788	-.614948	-7.91484	6.820280	-4.13384	-.938868
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.1383332	.3992875	4500.489
SDEV	.2121184	.0730881	27.307
%RSD	153.3388	18.30463	.6067650
#1	.2628959	.3791798	4478.533
#2	.2586916	.3383580	4491.866
#3	-.106588	.4803246	4531.066
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005187-15 OPERATOR:
RUN TIME: 06/14/10 22:39:40
COMMENT: SDG:1005187 CLIENTID:EB2-052710 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.1620464	53.81602	.1286620	1.573515	411.6283	-.731866	-2.50484
SDEV	.2312053	.42608	.0325074	.032253	.8568	.269400	.06836
%RSD	142.6785	.7917367	25.26573	2.049745	.2081447	36.81000	2.729176
#1	.2777939	53.33810	.1428061	1.571352	411.3786	-.948612	-2.49448
#2	-.104173	54.15617	.0914787	1.542397	412.5822	-.816734	-2.57779
#3	.3125181	53.95379	.1517013	1.606794	410.9241	-.430252	-2.44225
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.9077508	-.376279	17.62937	L-1437.11	9.333772	.5570977	159.8334
SDEV	.7925976	.157777	11.73673	4.74	2.403652	.1237488	30.0074
%RSD	87.31445	41.93096	66.57484	.3294887	25.75221	22.21313	18.77415
#1	.6856554	-.536751	31.12394	L-1438.93	6.683261	.6255923	166.3308
#2	1.787704	-.221341	11.96528	L-1440.67	9.945838	.6314559	127.1097
#3	.2498927	-.370745	9.798905	L-1431.74	11.37222	.4142450	186.0598
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.9738736	-5.45707	.1730191	2.665121	1.436767	-.446942	4.515605
SDEV	.5487455	2.20871	.2831380	.129897	1.963352	2.546874	2.537349
%RSD	56.34669	40.47438	163.6455	4.873969	136.6506	569.8446	56.19069
#1	.7266011	-5.47252	.0834116	2.581941	-.576117	-.818837	7.294571
#2	1.602746	-7.65801	-.054473	2.598617	3.346522	2.265434	3.929955
#3	.5922735	-3.24067	.4901186	2.814804	1.539897	-2.78742	2.322287
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.09509	6.287281	-.987812	-13.3289	5.981419	.9058452	-.697937
SDEV	.77954	3.517934	2.684188	3.9392	1.901829	1.249062	1.409290
%RSD	71.18490	55.95319	271.7306	29.55377	31.79561	137.8891	201.9224
#1	-1.49994	3.023384	-2.37612	-14.6086	6.062738	.6170178	-1.18683
#2	-1.58890	5.824929	2.106199	-8.90897	7.841283	-.173501	-1.79767
#3	-.196423	10.01353	-2.69351	-16.4691	4.040235	2.274019	.8906969
ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.251513	-.120447	4077.800
SDEV	.343307	.190879	21.608
%RSD	136.4970	158.4757	.5298823
#1	.1384393	.0790426	4085.800
#2	-.508239	-.139027	4053.333
#3	-.384739	-.301358	4094.266
ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: 1005187-16 OPERATOR:
RUN TIME: 06/14/10 22:46:49
COMMENT: SDG:1005187 CLIENTID:EB3-052710 1:1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	.0231495	74.46698	.5696395	.9216808	1031.057	-.588246	-2.09711
SDEV	.2912147	3.03856	.0586847	.0716353	1.989	.160295	.18295
%RSD	1257.975	4.080410	10.30207	7.772251	.1929365	27.24968	8.724089
#1	.1736212	77.61513	.5568777	.9898358	1029.560	-.416123	-1.92224
#2	.2083454	74.23442	.6336550	.9281961	1030.298	-.733255	-2.28720
#3	-.312518	71.55138	.5183858	.8470102	1033.314	-.615358	-2.08190
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	1000.000	400000.0	50000.00	5000.000	700000.0	10000.00	50000.00
LOW	-10.0000	-200.000	-200.000	-5.00000	-1000.00	-5.00000	-50.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.338531	3.281364	45.47328	L-1345.52	17.37462	1.084002	683.0095
SDEV	.258160	.033201	9.14601	4.00	2.24533	.093252	3.7777
%RSD	19.28680	1.011812	20.11294	.2974859	12.92306	8.602571	.5530986
#1	1.381389	3.281364	46.34297	L-1341.01	14.78245	.9916253	687.2443
#2	1.572580	3.248162	35.92348	L-1346.87	18.71563	1.178105	679.9859
#3	1.061624	3.314565	54.15338	L-1348.67	18.62577	1.082274	681.7983
ERRORS	LC PASS	LC PASS	LC PASS	LC LOW	LC PASS	LC PASS	LC PASS
HIGH	60000.00	30000.00	700000.0	100000.0	300000.0	50000.00	700000.0
LOW	-10.0000	-25.0000	-100.000	-1000.00	-1000.00	-15.0000	-2000.00

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1.362132	-6.53125	.2271624	53.70183	1.904774	-.518172	4.353324
SDEV	.131686	2.61936	.5267932	.87636	.666748	1.035118	2.637806
%RSD	9.667644	40.10500	231.9015	1.631894	35.00405	199.7632	60.59291
#1	1.410706	-8.50179	.3209311	53.50047	1.345973	-.799564	5.661755
#2	1.462632	-3.55883	.7007747	52.94368	1.725525	.6285468	6.081131
#3	1.213059	-7.53313	-.340218	54.66135	2.642823	-1.38350	1.317087
ERRORS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS	LC PASS
HIGH	60000.00	60000.00	50000.00	60000.00	60000.00	40000.00	40000.00
LOW	-40.0000	-10.0000	-50.0000	-20.0000	-3.00000	-5.00000	-60.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-1.55192	4.614058	.5490146	-13.9533	6.186525	-1.46007	-1.61892
SDEV	.58475	1.027955	1.079997	3.4958	.671260	2.39198	.77135
%RSD	37.67899	22.27875	196.7156	25.05358	10.85036	163.8264	47.64569
#1	-1.65719	3.720342	.1574011	-13.3284	5.452627	-3.91707	-1.81112
#2	-2.07688	5.737410	-.280544	-10.8121	6.337521	.8610899	-2.27599
#3	-.921689	4.384423	1.770187	-17.7194	6.769427	-1.32422	-.769649

ERRORS	LC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC PASS	LC PASS
HIGH	20000.00					40000.00	40000.00
LOW	-5.00000					-20.0000	-10.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	-.175991	.6132011	4313.533
SDEV	.333115	.1045848	23.843
%RSD	189.2801	17.05555	.5527489
#1	.2017882	.5433739	4286.800
#2	-.427556	.5627854	4332.600
#3	-.302205	.7334441	4321.200

ERRORS	LC PASS	LC PASS	NOCHECK
HIGH	20000.00	40000.00	
LOW	-10.0000	-30.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCV1 OPERATOR:
RUN TIME: 06/14/10 22:53:57
COMMENT: CCV CVS1
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	107.1127	47700.35	946.8353	1018.866	50317.62	1003.661	995.8409
SDEV	.5212	592.53	8.3600	14.570	766.05	10.305	9.9440
%RSD	.4866355	1.242189	.8829405	1.429992	1.522434	1.026720	.9985486
#1	106.6034	47800.12	956.4203	1016.832	50117.93	1001.980	997.0834
#2	107.0895	48236.66	941.0502	1034.346	51163.75	1014.703	1005.105
#3	107.6451	47064.27	943.0355	1005.420	49671.20	994.2999	985.3341
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	100.0000	50000.00	1000.000	1000.000	50000.00	1000.000	1000.000
RANGE	10.40000	5200.000	104.0000	104.0000	5200.000	104.0000	104.0000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1015.270	1041.687	24588.67	49650.04	51039.02	1005.514	49989.33
SDEV	7.294	.994	172.13	300.84	375.46	6.205	257.93
%RSD	.7184157	.0954094	.7000571	.6059242	.7356296	.6171047	.5159770
#1	1018.919	1041.559	24604.24	49857.59	51079.25	1008.869	49939.98
#2	1020.020	1040.763	24752.48	49787.50	51392.74	1009.320	50268.37
#3	1006.872	1042.738	24409.27	49305.02	50645.06	998.3539	49759.63
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	25000.00	50000.00	50000.00	1000.000	50000.00
RANGE	104.0000	104.0000	2600.000	5200.000	5200.000	104.0000	5200.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1001.433	994.7843	1005.881	1103.377	993.1939	991.3247	1023.061
SDEV	4.914	11.9273	15.003	13.698	7.0058	10.5935	5.170
%RSD	.4906602	1.198987	1.491544	1.241460	.7053765	1.068616	.5053786
#1	1000.759	992.9307	1004.789	1099.801	993.5371	995.5227	1018.093
#2	1006.649	1007.530	1021.401	1118.508	1000.022	999.1758	1028.412
#3	996.8911	983.8923	991.4546	1091.821	986.0229	979.2756	1022.677
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	1000.000	1000.000	1000.000	1100.000	1000.000	1000.000	1000.000
RANGE	104.0000	104.0000	104.0000	114.0000	104.0000	104.0000	104.0000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	1002.942	994.9170	992.3307	996.0269	988.9747	1010.021	999.1530
SDEV	3.924	7.6964	9.7847	10.3157	11.9038	5.904	5.3965
%RSD	.3912914	.7735700	.9860364	1.035686	1.203649	.5845538	.5401114
#1	1002.235	1003.326	988.6472	1005.559	990.5095	1010.633	1001.415
#2	1007.173	993.2040	1003.423	997.4465	1000.037	1015.595	1003.050
#3	999.4201	988.2214	984.9224	985.0749	976.3779	1003.834	992.9935
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	1000.000					1000.000	1000.000
RANGE	104.0000					104.0000	104.0000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	1011.528	1004.673	4619.999
SDEV	2.437	11.942	37.353
%RSD	.2409589	1.188687	.8085008
#1	1010.187	1001.285	4604.133
#2	1014.341	1017.943	4593.200
#3	1010.055	994.7900	4662.667
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	1000.000	1000.000	
RANGE	104.0000	104.0000	

METHOD: ALT-P4Q2 SAMPLE NAME: CCB1 OPERATOR:
RUN TIME: 06/14/10 23:01:06
COMMENT: CCB
MODE: CONC CORR. FACTOR: 1

ELEM	AG3280	AL3082	BA4934	BE3130	CA3179	CD2265	CO2286
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-.243070	36.06090	.2344501	1.147740	376.9633	-.104740	-1.10887
SDEV	.138897	15.24550	.2580964	.323440	11.8415	.364706	.54011
%RSD	57.14286	42.27709	110.0858	28.18063	3.141294	348.2023	48.70814
#1	-.243070	22.19996	.0376096	.8283224	367.3487	-.171830	-1.46781
#2	-.104173	52.38983	.5266591	1.475058	390.1903	.2888534	-.487711
#3	-.381967	33.59292	.1390815	1.139839	373.3508	-.431242	-1.37110
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	200.0000	200.0000	5.000000	5000.000	5.000000	5.000000

ELEM	CR2677	CU3247	FE2714	K_7664	MG2790	MN2576	NA3302
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	Q5.069356	.1328029	24.38160	-1432.19	11.80673	1.205151	-20.3416
SDEV	.402069	.4265821	8.07822	16.86	12.88300	.319697	72.9126
%RSD	7.931368	321.2145	33.13244	1.176891	109.1158	26.52755	358.4405
#1	Q5.102602	-.320944	19.65710	-1445.83	.7712900	.9673122	-13.8450
#2	Q5.453769	.5256810	33.70926	-1413.34	25.96366	1.568571	49.10528
#3	4.651695	.1936716	19.77843	-1437.39	8.685229	1.079569	-96.2852
ERRORS	QC FAIL	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	5.000000	5.000000	100.0000	5000.000	5000.000	10.00000	5000.000

ELEM	NI2316	TL1908	V_2924	ZN2062	PB2203	SE1960	SB2068
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	6.276030	1.370100	.0032706	1.130774	.3292419	-1.17832	-.675946
SDEV	.353173	2.532872	.2750735	.223587	.0651368	1.25127	.752192
%RSD	5.627338	184.8676	8410.614	19.77290	19.78386	106.1905	111.2799
#1	6.047491	1.725410	-.218138	1.127972	.4037119	.0727465	-1.13377
#2	6.097795	3.706556	.3112034	1.355748	.2828715	-1.17793	-1.08625
#3	6.682804	-1.32167	-.083254	.9086009	.3011421	-2.42979	.1921769
ERRORS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS	QC PASS
VALUE	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000	.0000000
RANGE	40.00000	10.00000	20.00000	20.00000	3.000000	5.000000	10.00000

ELEM	AS1890	22031	22032	19601	19602	SN1899	BI2230
UNITS	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
AVGE	-2.12098	-1.73108	1.355089	-3.28248	-.130596	1.006141	-.550189
SDEV	.88581	1.08094	.500008	1.17432	2.008642	1.928882	.223103
%RSD	41.76431	62.44299	36.89851	35.77545	1538.057	191.7109	40.55013
#1	-2.59916	-1.28930	1.246196	-2.69783	1.453207	.1688463	-.331525
#2	-2.66494	-2.96294	1.900569	-4.63436	.5449207	3.212186	-.777480
#3	-1.09884	-.941011	.9185016	-2.51523	-2.38992	-.362609	-.541563
ERRORS	QC PASS	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC PASS	QC PASS
VALUE	.0000000					.0000000	.0000000
RANGE	10.00000					100.0000	50.00000

ELEM	MO2020	TI3349	Y_3710
UNITS	UG/L	UG/L	PPM
AVGE	.4224041	.2285453	4355.289
SDEV	.6700020	.3732484	27.618
%RSD	158.6164	163.3148	.6341189
#1	1.143230	-.130722	4385.800
#2	.3053240	.6143578	4348.066
#3	-.181341	.2019997	4331.999
ERRORS	QC PASS	QC PASS	NOCHECK
VALUE	.0000000	.0000000	
RANGE	10.00000	40.00000	

Maintenance: None

Method(s) (circle one): ILM04.1 (ILM05.4) Others 7470A

Operator(s): NSB 115 Date/Time 6/17/10 1637 to 6/17/10 1816

Printed: 6/18/2010 8:07:46 AM

↑	Specified element(s) fail(s) high
↓	Specified element(s) fail(s) low
RR	Re-run sample(s) neat
RR #X	Re-run at a #-fold dilution
#X	Sample run at a #-fold dilution (aliquot of sample diluted with acidified water)
L	Matrix = leachate
W	Matrix = water
S	Matrix = solid
B	Matrix = biological tissue

SDG	Matrix	Comments
1005187	Water	Complete
1006083	Water	
MC0248	Soil	

Batch
0061620
0061631
0061706

HG Run Log (V4)

File Name: V406170A

Cup	Sample ID	Client ID	Sample Type	DF	Date	Time	Results	Comments
	CAL1	S0	CALIB STD	1.0	17 JUN 10	16:37:22	1597	
	CAL2	S0.2	CALIB STD	1.0	17 JUN 10	16:39:15	3000	
	CAL3	S0.5	CALIB STD	1.0	17 JUN 10	16:41:06	6306	
	CAL4	S1.0	CALIB STD	1.0	17 JUN 10	16:42:58	11393	
	CAL5	S5.0	CALIB STD	1.0	17 JUN 10	16:44:49	50815	
	CAL6	S10.0	CALIB STD	1.0	17 JUN 10	16:46:54	101137	
	ICV1	ICV	ICV	1.0	17 JUN 10	16:49:06	3.95	
	ICB1	ICB	ICB	1.0	17 JUN 10	16:51:09	.019	
	CRL1	CRI	CRI	1.0	17 JUN 10	16:53:00	.165	
	CCV1	CCV1	CCV	1.0	17 JUN 10	16:55:16	5.00	
	CCB1	CCB1	CCB	1.0	17 JUN 10	16:57:06	-.014	
	0061706-BLK1	PBS	BLANK	1.0	17 JUN 10	16:59:06	-.019	
	0061706-BS1	LCSS	LCS	1.0	17 JUN 10	17:00:56	5.47	
	1006077-01RE1	MC0248	SAMPLE	1.0	17 JUN 10	17:02:47	.264	
	0061706-DUP1	MC0248D	DUPLICATE	1.0	17 JUN 10	17:04:39	.341	
	0061706-MS1	MC0248S	MATRIX SPIKE	1.0	17 JUN 10	17:06:39	1.26	
	0061620-BLK1	PBW	BLANK	1.0	17 JUN 10	17:08:51	-.012	

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Reviewed By: _____ Date: 06/2/10

HG Run Log (V4)

File Name: V406170A

Cup	Sample ID	Client ID	Sample Type	DF	Date	Time	Results	Comments
	CRL2	CRI	CRI	1.0	17 JUN 10	17:10:46	.179	
	CCV2	CCV2	CCV	1.0	17 JUN 10	17:12:37	5.13	
	CCB2	CCB2	CCB	1.0	17 JUN 10	17:14:41	.022	
	0061620-BS1	LCSW	LCS	1.0	17 JUN 10	17:16:37	2.95	
	1005187-14RE2	BBG-GW02	SAMPLE	1.0	17 JUN 10	17:18:28	.085	
	0061620-DUP1	BBG-GW02D	DUPLICATE	1.0	17 JUN 10	17:20:19	.046	
	0061620-MS1	BBG-GW02S	MATRIX SPIKE	1.0	17 JUN 10	17:22:23	1.06	
	0061620-MSD1	BBG-GW02SD	MATRIX SPIKE	1.0	17 JUN 10	17:24:48	1.03	
	SDI1005187-14RE2	SDI1005187-14RE2	SDI	5	17 JUN 10	17:26:51	.002	
	1005187-01RE1	BBG-GW10	SAMPLE	1.0	17 JUN 10	17:28:44	-.019	
	1005187-02RE1	FB-052510	SAMPLE	1.0	17 JUN 10	17:30:47	-.005	
	CCV3	CCV3	CCV	1.0	17 JUN 10	17:32:43	5.15	
	CCB3	CCB3	CCB	1.0	17 JUN 10	17:34:33	-.022	
	1005187-03RE1	BBG-GW01	SAMPLE	1.0	17 JUN 10	17:36:24	-.008	
	1005187-04RE1	EB1-052510	SAMPLE	1.0	17 JUN 10	17:38:15	-.006	
	1005187-05RE1	BBG-GW03	SAMPLE	1.0	17 JUN 10	17:40:25	-.009	
	1005187-06RE1	EB2-052510	SAMPLE	1.0	17 JUN 10	17:42:20	-.006	
	1005187-07RE1	BBG-GW09	SAMPLE	1.0	17 JUN 10	17:44:43	.067	
	1005187-08RE1	BBG-GW09D	SAMPLE	1.0	17 JUN 10	17:46:43	.011	
	1005187-09RE1	BBG-GW08	SAMPLE	1.0	17 JUN 10	17:48:35	.014	
	1005187-10RE1	BBG-GW07	SAMPLE	1.0	17 JUN 10	17:50:30	.018	
	CCV4	CCV4	CCV	1.0	17 JUN 10	17:52:21	5.19	
	CCB4	CCB4	CCB	1.0	17 JUN 10	17:54:17	-.019	
	1005187-11RE1	EB1-052710	SAMPLE	1.0	17 JUN 10	17:56:08	-.019	
	1005187-12RE1	BBG-GW04	SAMPLE	1.0	17 JUN 10	17:58:08	-.009	
	1005187-13RE1	BBG-GW03UCH	SAMPLE	1.0	17 JUN 10	18:00:04	-.004	
	1005187-15RE1	EB2-052710	SAMPLE	1.0	17 JUN 10	18:01:55	-.011	
	1005187-16RE1	EB3-052710	SAMPLE	1.0	17 JUN 10	18:03:52	-.020	
	0061631-BLK1	PBW	BLANK	1.0	17 JUN 10	18:05:57	-.012	
	0061631-BS1	LCSW	LCS	1.0	17 JUN 10	18:07:48	2.90	

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Reviewed By: _____ Date: 06/21/10

HG Run Log (V4)

File Name: V406170A

Cup	Sample ID	Client ID	Sample Type	DF	Date	Time	Results	Comments
	1006083-01	MONTHLY WASTEV	SAMPLE	1.0	17 JUN 10	18:10:20	-.027	
	SDI1006083-01	SDI1006083-01	SDI	5	17 JUN 10	18:12:11	-.017	
	CCV5	CCV5	CCV	1.0	17 JUN 10	18:14:05	5.15	
	CCB5	CCB5	CCB	1.0	17 JUN 10	18:16:00	-.001	

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Reviewed By: _____ Date: 06210

Standards/QC Preparation Log for Analysis of Cold Vapor Mercury

COMPUCHEM a division of Liberty Analytical Corp. WORKSHEET 1 NNN

Seq. File Name: V406170A

144

REAGENTS	REF # [1]	MANUFACTURER	LOT #	EXPIRATION DATE
Sodium Chloride (NaCL)	1m2-188-15	JTBAKER	H14614	08/12
Hydrochloric Acid (HCL)	OD25012	Caledon	72420	04/13
Hydroxylamine Hydrochloride (NH_2OH-HCL)	0D13003	JT BAKER	H51598	04/13
Stannous Chloride ($SnCL_2$-$2H_2O$)	9L30015	JT BAKER	H13584	12/12

STANDARD LOT NUMBER [2]	PREPARATION INSTRUCTIONS
$SnCL_2$– 06-16-10-NB Stannous chloride	Place in a 1000 mL volumetric flask containing 500 mL of reagent water: 100 g of $SnCl_2$-$2H_2O$ Baker Instra-analyzed or equivalent 250 mL of HCL Baker Instra-analyzed or equivalent Dilute to 1000 mL with reagent water. Prepare as needed
HCL– 06-17-10 – NB Hydrochloric Acid	Place in a 2 L volumetric flask: 1000 mL of deionized water 200 mL of concentrated HCL Baker Instra-analyzed or equivalent Dilute to 2000 mL with reagent water. Prepare as needed
NH_2OH-HCL– 06-17-10 –NB Hydroxylamine hydrochloride	Place in a 2000 ml volumetric flask: 240.0 g of NH_2OH-HCl Baker Instra-analyzed or equivalent 240.0 g NaCl Baker Instra-analyzed or equivalent Dilute to 2000 mL with reagent water. Place solution in a repipetor bottle. Prepare as needed

Standard Solutions Prepared By: Ur Baker

Entered By: Ur Baker Date: 6/21/10

Reviewed By: [illegible] Date: 06/21/10

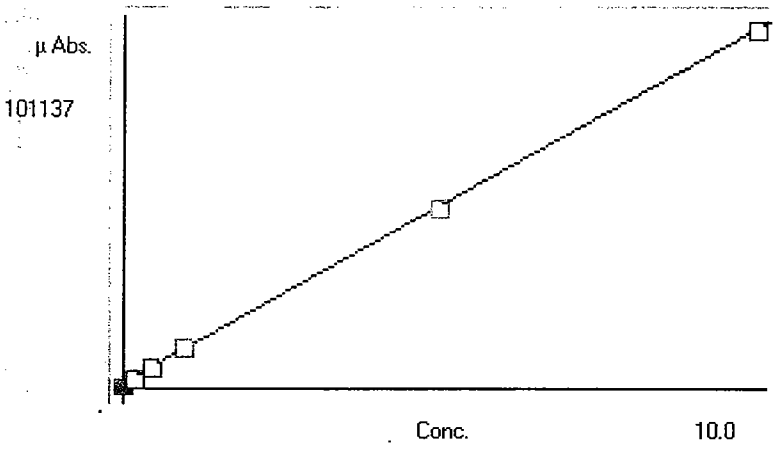
[1]Ref# = Logbook ID, Page number, and item number from Materials Receipt Log

[2]Standard Lot Number consists of standard ID, date prepared, and initials of preparer.

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Protocol: INSTIDV4

Fdaw: V406170A



A

B 1.00308e-4

C -1.29744e-1

Rhc .999980

Accepted Date: 17-Jun-10 16:46

S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
01	.00000	.030	.030	1597	1	1597				
02	.20000	.171	-.029	3000	0%	3000				
03	.50000	.503	.003	6306	0%	6306				
04	1.0000	1.01	.013	11393	0%	11393				
05	5.0000	4.97	-.033	50815	0%	50815				
06	10.000	10.0	.015	101137	0%	101137				
07										
08										
09										
10										

S0.5 (.503/.5) · 100 = 100.6%

S1.0 (1.01/1.0) · 100 = 101%

S5.0 (4.97/5.0) · 100 = 99.4%

S10.0 (10.0/100) · 100 = 100%

All standards are within ± 5% of true values.

MS 6/17/10

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1 S0 mole/mL Seq: 1 16:37:22 17 Jun 10 HG

Hg .000 ppb 1597

*** Standard: 2 Rep: 1 S0.2 mole/mL Seq: 2 16:39:15 17 Jun 10 HG

Hg .200 ppb 3000

*** Standard: 3 Rep: 1 S0.5 mole/mL Seq: 3 16:41:06 17 Jun 10 HG

Hg .500 ppb 6306

*** Standard: 4 Rep: 1 S1.0 mole/mL Seq: 4 16:42:58 17 Jun 10 HG

Hg 1.00 ppb 11393

*** Standard: 5 Rep: 1 S5.0 mole/mL Seq: 5 16:44:49 17 Jun 10 HG

Hg 5.00 ppb 50815

*** Standard: 6 Rep: 1 S10.0 mole/mL Seq: 6 16:46:54 17 Jun 10 HG

Hg 10.0 ppb 101137

*** Check Standard: 3 Ck3 ICV Seq: 7 16:49:06 17 Jun 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		98.7	3.95	4.00	ppb	.000

*** Check Standard: 1 Ck1 ICB Seq: 8 16:51:09 17 Jun 10 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.019	.200	ppb	.000

*** Check Standard: 4 Ck4 CRI Seq: 9 16:53:00 17 Jun 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		82.4	.165	.200	ppb	.000

*** Check Standard: 2 Ck2 CCV Seq: 10 16:55:16 17 Jun 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.	5.00	5.00	ppb	.000

*** Check Standard: 1 Ck1 CCB Seq: 11 16:57:06 17 Jun 10 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.014	.200	ppb	.000

*** Sample ID: PBS Seq: 12 16:59:06 17 Jun 10 HG
0061706-BLK1

Hg -.019 ppb .000 -.019

==========

*** Sample ID: LCSS Seq: 13 17:00:56 17 Jun 10 HG
0061706-BS1

Hg 5.47 ppb .000 5.47

==========

*** Sample ID: MC0248 Seq: 14 17:02:47 17 Jun 10 HG
1006077-01RE1

Hg .264 ppb .000 .264

==========

*** Sample ID: MC0248D Seq: 15 17:04:39 17 Jun 10 HG
0061706-DUP1

Hg .341 ppb .000 .341

==========

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: MC0248S				Seq: 16	17:06:39 17 Jun 10	HG		
				0061706-MS1				
Hg	1.26	ppb	.000	1.26				
*** Sample ID: PBW				Seq: 17	17:08:51 17 Jun 10	HG		
				0061620-BLK1				
Hg	-.012	ppb	.000	-.012				
*** Check Standard: 4 Ck4 CRI				Seq: 18	17:10:46 17 Jun 10	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		89.3	.179	.200	ppb	.000		
*** Check Standard: 2 Ck2 CCV				Seq: 19	17:12:37 17 Jun 10	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		103.	5.13	5.00	ppb	.000		
*** Check Standard: 1 Ck1 CCB				Seq: 20	17:14:41 17 Jun 10	HG		
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.022	.200	ppb	.000			
*** Sample ID: LCSW				Seq: 21	17:16:37 17 Jun 10	HG		
				0061620-BS1				
Hg	2.95	ppb	.000	2.95				
*** Sample ID: BBG-GW02				Seq: 22	17:18:28 17 Jun 10	HG		
				1005187-14RE2				
Hg	.085	ppb	.000	.085				
*** Sample ID: BBG-GW02D				Seq: 23	17:20:19 17 Jun 10	HG		
				0061620-DUP1				
Hg	.046	ppb	.000	.046				
*** Sample ID: BBG-GW02S				Seq: 24	17:22:23 17 Jun 10	HG		
				0061620-MS1				
Hg	1.06	ppb	.000	1.06				
*** Sample ID: BBG-GW02SD				Seq: 25	17:24:48 17 Jun 10	HG		
				0061620-MSD1				
Hg	1.03	ppb	.000	1.03				
*** Sample ID: BBG-GW02L				Seq: 26	17:26:51 17 Jun 10	HG		
				SDI1005187-14RE2 5X				
Hg	.002	ppb	.000	.002				
*** Sample ID: BBG-GW10				Seq: 27	17:28:44 17 Jun 10	HG		
				1005187-01RE1				
Hg	-.019	ppb	.000	-.019				
*** Sample ID: FB-052510				Seq: 28	17:30:47 17 Jun 10	HG		
				1005187-02RE1				
Hg	-.005	ppb	.000	-.005				
*** Check Standard: 2 Ck2 CCV				Seq: 29	17:32:43 17 Jun 10	HG		
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		103.	5.15	5.00	ppb	.000		

```
Line   Conc.  Units      SD/RSD       1        2        3        4        5
-------------------------------------------------------------------------------

*** Check Standard: 1  Ck1 CCB       Seq:  30      17:34:33 17 Jun 10   HG
Line  Flag  Found Range(+/-) Units       SD/RSD
Hg          -.022     .200     ppb         .000
                                                                              =
*** Sample ID: BBG-GW01              Seq:  31      17:36:24 17 Jun 10   HG
                            1005187-03RE1
Hg   -.008    ppb        .000     -.008
                                                                              =
===============================================================================
*** Sample ID: EB1-052510            Seq:  32      17:38:15 17 Jun 10   HG
                            1005187-04RE1
Hg   -.006    ppb        .000     -.006
                                                                              =
===============================================================================
*** Sample ID: BBG-GW03              Seq:  33      17:40:25 17 Jun 10   HG
                            1005187-05RE1
Hg   -.009    ppb        .000     -.009
                                                                              =
===============================================================================
*** Sample ID: EB2-052510            Seq:  34      17:42:20 17 Jun 10   HG
                            1005187-06RE1
Hg   -.006    ppb        .000     -.006
                                                                              =
===============================================================================
*** Sample ID: BBG-GW09              Seq:  35      17:44:43 17 Jun 10   HG
                            1005187-07RE1
Hg    .067    ppb        .000      .067
                                                                              =
===============================================================================
*** Sample ID: BBG-GW09D             Seq:  36      17:46:43 17 Jun 10   HG
                            1005187-08RE1
Hg    .011    ppb        .000      .011
                                                                              =
===============================================================================
*** Sample ID: BBG-GW08              Seq:  37      17:48:35 17 Jun 10   HG
                            1005187-09RE1
Hg    .014    ppb        .000      .014
                                                                              =
===============================================================================
*** Sample ID: BBG-GW07              Seq:  38      17:50:30 17 Jun 10   HG
                            1005187-10RE1
Hg    .018    ppb        .000      .018
                                                                              =
*** Check Standard: 2  Ck2 CCV       Seq:  39      17:52:21 17 Jun 10   HG
Line  Flag  %Rcv.   Found    True  Units       SD/RSD
Hg          104.     5.19    5.00  ppb          .000
                                                                              =
*** Check Standard: 1  Ck1 CCB       Seq:  40      17:54:17 17 Jun 10   HG
Line  Flag  Found Range(+/-) Units       SD/RSD
Hg          -.019     .200     ppb         .000
                                                                              =
*** Sample ID: EB1-052710            Seq:  41      17:56:08 17 Jun 10   HG
                            1005187-11RE1
Hg   -.019    ppb        .000     -.019
                                                                              =
===============================================================================
*** Sample ID: BBG-GW04              Seq:  42      17:58:08 17 Jun 10   HG
                            1005187-12RE1
Hg   -.009    ppb        .000     -.009
                                                                              =
===============================================================================
```

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: BBG-GW03UC Seq: 43 18:00:04 17 Jun 10 HG
1005187-13RE1

Hg	-.004	ppb	.000	-.004				

=

*** Sample ID: EB2-052710 Seq: 44 18:01:55 17 Jun 10 HG
1005187-15RE1

Hg	-.011	ppb	.000	-.011				

=

*** Sample ID: EB3-052710 Seq: 45 18:03:52 17 Jun 10 HG
1005187-16RE1

Hg	-.020	ppb	.000	-.020				

=

*** Sample ID: PBW Seq: 46 18:05:57 17 Jun 10 HG
0061631-BLK1

Hg	-.012	ppb	.000	-.012				

=

*** Sample ID: LCSW Seq: 47 18:07:48 17 Jun 10 HG
0061631-BS1

Hg	2.90	ppb	.000	2.90				

=

*** Sample ID: MONTHLY WA Seq: 48 18:10:20 17 Jun 10 HG
1006083-01

Hg	-.027	ppb	.000	-.027				

=

*** Sample ID: MONTHLY WA Seq: 49 18:12:11 17 Jun 10 HG
SDI1006083-01 5X

Hg	-.017	ppb	.000	-.017				

=

*** Check Standard: 2 Ck2 CCV Seq: 50 18:14:05 17 Jun 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.	5.15	5.00	ppb	.000

=

*** Check Standard: 1 Ck1 CCB Seq: 51 18:16:00 17 Jun 10 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.001	.200	ppb	.000

=

5. Digestion and Distillation Logs

Logs shall be submitted in the following order: digestion logs for ICP, flame AA (if used), furnace AA (if used), and mercury preparations, followed by a copy of the distillation log for cyanide.

METALS/MERCURY PREPARATION LOG

Metals Method: 3010A / 6010B
Mercury Method: 7470A
Prepared By: DDD

Environmental Testing Laboratories — CompuChem — A Division Of Liberty Analytical Corp.

Preparation Date: 6-4-10
Preparation Time: 1000
Batch Number: 60334/35
Blue Water

COMPUCHEM SAMPLE ID	CLIENT SAMPLE ID	SAMPLE TYPE	ICP Initial (mL)	ICP Final (mL)	HG Initial (mL)	HG Final (mL)	*Description Before	*Description After ICP	pH
0060334/35-BLK1	PBW	MB	50	50	100	100	CS / CL	CS / CL	N/A
0060334/35-BS1	LCSW	LCS	50	↓	100	↓	CS / CL	CS / CL	N/A
0060334/35-DUP1	BBG-GW02D	DUP	50		100		CS / CL	CS / CL	<2
0060334/35-MS1	BBG-GW02S	MS	50		100		CS / CL	CS / CL	<2
0060334/35-MSD1	BBG-GW02SD	MSD	50		100		CS / CL	CS / CL	<2
1005187-01	BBG-GW10	SAMPLE	50		100		CS / CL	CS / CL	<2
1005187-02	FB-052510	SAMPLE	50		100		CS / CL	CS / CL	<2
1005187-03	BBG-GW01	SAMPLE	50		100		CS / CL	CS / CL	<2
1005187-04	EB1-052510	SAMPLE	50		100		CS / CL	CS / CL	<2
1005187-05	BBG-GW03	SAMPLE	50		100		CS / CL	CS / CL	<2
1005187-06	EB2-052510	SAMPLE	50		100		CS / CL	CS / CL	<2
1005187-07	BBG-GW09	SAMPLE	50		100		CS / CY	CS / CL	<2
1005187-08	BBG-GW09D	SAMPLE	50		100		CS / CL	CS / CL	<2
1005187-09	BBG-GW08	SAMPLE	50		100		CS / CL	CS / CL	<2
1005187-10	BBG-GW07	SAMPLE	50		100		CS / CL	CS / CL	<2
1005187-11	EB1-052710	SAMPLE	50		100		CS / CL	CS / CL	<2
1005187-12	BBG-GW04	SAMPLE	50		100		CS / CL	CS / CL	<2
1005187-13	BBG-GW03UCH	SAMPLE	50		100		CS / CL	CS / CL	<2
1005187-14	BBG-GW02	SAMPLE	50		100		CS / CL	CS / CL	<2
1005187-15	EB2-052710	SAMPLE	50		100		CS / CL	CS / CL	<2
1005187-16	EB3-052710	SAMPLE	50	↓	100	↓	CS / CL	CS / CL	<2
							/	/	
							/	/	
							/	/	
							/	/	
							/	/	

Mercury Standards and QC S0 S0.2 S0.5S1 S5 S10 ICV ICB CRI CCV CCB

NOTE: All standards and QC for mercury were prepared at the same day as the associated samples. Refer to the attached. Standard/QC Preparation Log, with date matching the above preparation date, for preparation method and instruction.

Record of Tempature/Time		
Hot Block Temp In:	95°	C
Hot Block Temp Out:	95°	C
Time Hg in water bath:	1010	
Time Hg out water bath:	1210	
Water Bath Temp In:	95°	C
Water Bath Temp Out:	95°	C

MS Reference
ICAP: 0.5 mL XCL-20
Ref #: 0B26007

HG: 1.0mL 100ppb Hg
Ref# Hg 100ppb 060410 DDD

LCS Reference
ICAP: 5.0 mL of XCL-10XR
Ref #: 9L15003

HG: 3.0mL 100ppb Hg
Ref# Hg 100ppb 060410 DDD

* R=red, BL=blue, Y=yellow, G=green, O=orange, V=violet, W=white, CS=colorless, BR=brown, BK=black
GY= grey, F=fine, M=medium, C=coarse, CL=clear, CY=cloudy, OP=opaque

"The presence of the Chemist's/analyst's employee ID number, or signature, on this log attests that strict compliance with the method's SOP has occurred. Any SOP deviations requires documentation by the chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation."

Sample Verification Signature: Dwight Dafoe
This signature corroborates that the sample identification numbers appearing on the digestion cups are the same as those appearing on the field sample containers.

Reviewed By:
Date: 061510

Shading has been applied to unused portions of this worksheet as a substitute for 'Z-out.

Standards/QC Preparation Log for ICP Metals/Mercury Page 1 of 3 **Case/SDG:** 1005187
COMPUCHEM a division of Liberty Analytical Corp. Worksheet 1Q (1) 2

REAGENTS	REF#[1]	MANUFACTURER	LOT#	EXPIRATION DATE
SULFURIC ACID (H_2SO_4)	0E20027	CALEDON	71645	05/15
NITRIC ACID (HNO_3)	0E19001	JT BAKER	J10027	05/15
POTASSIUM PERMANGANATE ($KMnO_4$)	0D13009	JT BAKER	J04613	04/13
HYDROCHLORIC ACID (HCL)	0E20028	CALEDON	72420	05/15
POTASSIUM PERSULFATE ($K_2S_2O_8$)	0A07004	JT BAKER	H44465	11/12
HYDROGEN PEROXIDE (H_2O_2)	0B18004	CALEDON	70692	01/11
STANDARDS				
XCL 20R	0B26007	HIGH PURITY	0925409	09/11/10
XCL LCS 10XR	9L15003	HIGH PURITY	0935232	12/10/10
ERA PPT (540)	0B24007	ERA	540	12/03/10
EPA LCS (0405)	0E20016	EPA	0405	11/17/11
ICV-1 (0307)	0B04003	EPA	0307	03/12/11
ILM05.3 MATRIX SPIKE	0B23010	HIGH PURITY	1004722	02/18/11
SILVER (Ag) 100ppm	9L15009	HIGH PURITY	0934323	12/15/10
TCLP 500	9L21002	HIGH PURITY	0934202	12/10/10
ARSENIC (As) 1000ppm	9F17001	HIGH PURITY	0911221	12/05/10
MERCURY (Hg) 20ppm	9L15007	HIGH PURITY	0916320	06/15/10
ICV-5 (0508) Hg	0E20020	EPA	0508	05/17/2015

[1]Ref#=Logbook ID, Page number, and item number from Materials Receipt Log
[2]Standard Lot Number consist of standard ID, date prepared, and initials of preparer

STANDARD SOLUTIONS PREPARED BY: D. Dicken DATE: 6-4-10

ENTERED BY: D. Dicken DATE: 6-4-10

REVIEWED BY: M Bern DATE: 6/4/10

The presence of the Chemist's/Analyst's employee ID number, or signature, on this worksheet attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Standards/QC Preparation Log for ICP Metals/Mercury Page 2 of 3 **Case/SDG:** 1005187
COMPUCHEM a division of Liberty Analytical Corp. Worksheet 1Q (1) 2

STANDARD LOT NUMBER[2]	PREPARATION INSTRUCTIONS
Hg 100ppb-06-04-10-DD	Place in a 100mL volumetric flask: 0.5mL of 20ppm Hg stock solution 2.5mL of concentrated HNO_3 Baker instra-analyzed Trace Metals grade or equivalent Dilute to 100mL volume with reagent water **(PREPARE DAILY)**
$K_2S_2O_8$- 06-04-10-DD Potassium Persulfate	Place in a 1000mL Erlenmeyer to a re-pipettor bottle **(PREPARE AS NEEDED)**
$KmnO_4$. 06-03-10 –DD Potassium Permanganate	Place in a 2000mL volumetric flask: 100.0g of $KmnO_4$ Baker instra-analyzed Trace Metals grade or equivalent Dilute to 2000mL with reagent water **(PREARE AS NEEDED)**
HNO_3- 06-02-10 - DD Nitric Acid	Place in a 2000mL volumetric flask: 500mL of Deionized water 1000mL of concentrated HNO_3 Baker instra-analyzed Trace Metals grade or equivalent Dilute to 2000mL with reagent water **(PREPARE AS NEEDED)**
HCl- 05-26-10 - DD Hydrochloric Acid	Place in a 2000mL volumetric flask: 500mL of Deionized water 1000mL of concentrated HCl Baker instra-analyzed Trace Metals grade or equivalent Dilute to 2000mL with reagent water **(PREPARE AS NEEDED)**
Aqua Regia- 06-03-10 - JR	Place in a 1000mL container: 600mL of Concentrated HCL 200mL of Concentrated HNO3 **(PREPARE AS NEEDED)**

[1]Ref#=Logbook ID, Page number, and item number from Materials Receipt Log
[2]Standard Lot Number consist of standard ID, date prepared, and initials of preparer

STANDARD SOLUTIONS PREPARED BY: D. Dickens DATE: 6-4-10

ENTERED BY: D. Dickens DATE: 6-4-10

REVIEWED BY: [signature] DATE: 6/4/10

The presence of the Chemist's/Analyst's employee ID number, or signature, on this worksheet attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Standards/QC Preparation Log for ICP Metals/Mercury Page 3 of 3 **Case/SDG:** 1005187
COMPUCHEM a division of Liberty Analytical Corp. Worksheet 1Q (1) 2

STANDARD LOT NUMBER[2]	PREPARATION INSTRUCTIONS	Resultant Analyte Concentration
ICV-5- 06-04-10-DD	Pipet into a 300mL BOD Bottle 1.0mL of ICV-5 and 99mL of reagent water. Digest according to sample preparation instructions	4.0µg/L
S0/ICB/CCB- 06-04-10-DD	Pipet into a 300mL BOD Bottle 100mL of reagent water Digest according to sample preparation instructions	0.0µg/L
S0.2/CRA/CRI- 06-04-10-DD	Pipet into a 300mL BOD Bottle 0.2mL of Hg 100ppb and 99.8mL of reagent water Digest according to sample preparation instructions	0.2µg/L
S0.5- 06-04-10-DD	Pipet into a 300mL BOD Bottle 0.5mL of Hg 100ppb and 99.5mL of reagent water Digest according to sample preparation instructions	0.5µg/L
S1.0- 06-04-10-DD	Pipet into a 300mL BOD Bottle 1.0mL of Hg 100ppb and 99mL of reagent water Digest according to sample preparation instructions	1.0µg/L
S5.0/CCV- 06-04-10-DD	Pipet into a 300mL BOD Bottle 5.0mL of Hg 100ppb and 95mL of reagent water Digest according to sample preparation instructions	5.0µg/L
S10.0- 06-04-10-DD	Pipet into a 300mL BOD Bottle 10mL of Hg 100ppb and 90mL of reagent water Digest according to sample preparation instructions	10.0µg/L

[1]Ref#=Logbook ID, Page number, and item number from Materials Receipt Log
[2]Standard Lot Number consist of standard ID, date prepared, and initials of preparer

STANDARD SOLUTIONS PREPARED BY: D. Dickens DATE: 6-4-10

ENTERED BY: D. Dickens DATE: 6-4-10

REVIEWED BY: [signature] DATE: 6/4/10

The presence of the Chemist's/Analyst's employee ID number, or signature, on this worksheet attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

METALS/MERCURY PREPARATION LOG

Metals Method: 3010A / 6010B
Mercury Method: 7470A
Prepared By: DDD

CompuChem
A Division Of
Liberty Analytical Corp.

Preparation Date: 6-17-10
Preparation Time: 1205
Batch Number: 61620
Blue Water

COMPUCHEM SAMPLE ID	CLIENT SAMPLE ID	SAMPLE TYPE	ICP Initial (mL)	ICP Final (mL)	HG Initial (mL)	HG Final (mL)	*Description Before	*Description After ICP	pH
0061620-BLK1	PBW	MB			100	100	CS / CL		N/A
0061620-BS1	LCSW	LCS			100		CS / CL		N/A
0061620-DUP1	BBG-GW02D	DUP			100		CS / CL		<2
0061620-MS1	BBG-GW02S	MS			100		CS / CL		<2
0061620-MSD1	BBG-GW02SD	MSD			100		CS / CL		<2
1005187-01RE1	BBG-GW10	SAMPLE			100		CS / CL		<2
1005187-02RE1	FB-052510	SAMPLE			100		CS / CL		<2
1005187-03RE1	BBG-GW01	SAMPLE			100		CS / CL		<2
1005187-04RE1	EB1-052510	SAMPLE			100		CS / CL		<2
1005187-05RE1	BBG-GW03	SAMPLE			100		CS / CL		<2
1005187-06RE1	EB2-052510	SAMPLE			100		CS / CL		<2
1005187-07RE1	BBG-GW09	SAMPLE			100		CS / CY		<2
1005187-08RE1	BBG-GW09D	SAMPLE			100		CS / CL		<2
1005187-09RE1	BBG-GW08	SAMPLE			100		CS / CL		<2
1005187-10RE1	BBG-GW07	SAMPLE			100		CS / CL		<2
1005187-11RE1	EB1-052710	SAMPLE			100		CS / CL		<2
1005187-12RE1	BBG-GW04	SAMPLE			100		CS / CL		<2
1005187-13RE1	BBG-GW03UCH	SAMPLE			100		CS / CL		<2
1005187-14RE1	BBG-GW02	SAMPLE			100		CS / CL		<2
1005187-15RE1	EB2-052710	SAMPLE			100		CS / CL		<2
1005187-16RE1	EB3-052710	SAMPLE			100	✓	CS / CL		<2

Mercury Standards and QC S0 S0.2 S0.5S1 S5 S10 ICV ICB CRI CCV CCB

NOTE: All standards and QC for mercury were prepared at the same day as the associated samples. Refer to the attached.

Standard/QC Preparation Log, with date matching the above preparation date, for preparation method and instruction.

Record of Tempature/Time

Hot Block Temp In:		C
Hot Block Temp Out:		C
Time Hg in water bath:	1320	
Time Hg out water bath:	1520	
Water Bath Temp In:	95°	C
Water Bath Temp Out:	95°	C

MS Reference

ICAP: 0.5 mL XCL 20
Ref#

HG: 1.0mL 100ppb Hg
Ref# Hg 100ppb 061710 DD

LCS Reference

ICAP: 50 mL of XCL 10XR
Ref#

HG: 3.0mL 100ppb Hg
Ref# Hg 100ppb 061710 DD

* R=red, BL=blue, Y=yellow, G=green, O=orange, V=violet, W=white, CS=colorless, BR=brown, BK=black
GY= grey, F=fine, M=medium, C=coarse, CL=clear, CY=cloudy, OP=opaque

"The presence of the Chemist's/analyst's employee ID number, or signature, on this log attests that strict compliance with the method's SOP has occurred. Any SOP deviations requires documentation by the chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation."

Sample Verification Signature:
This signature corroborates that the sample identification numbers appearing on the digestion cups are the same as those appearing on the field sample containers.

Reviewed By:
Date: 6-21-10

Shading has been applied to unused portions of this worksheet as a substitute for 'Z-out.

JCF 120209

Standards/QC Preparation Log for ICP Metals/Mercury Page 1 of 3 **Case/SDG:** 1005187
COMPUCHEM a division of Liberty Analytical Corp. Worksheet 1Q (1) 2

REAGENTS	REF#[1]	MANUFACTURER	LOT#	EXPIRATION DATE
SULFURIC ACID (H_2SO_4)	0E20027	CALEDON	71645	05/15
NITRIC ACID (HNO_3)	0F15001	JT BAKER	J12036	06/15
POTASSIUM PERMANGANATE ($KMnO_4$)	0D13009	JT BAKER	J04613	04/15
HYDROCHLORIC ACID (HCL)	0E20028	CALEDON	72420	05/15
POTASSIUM PERSULFATE ($K_2S_2O_8$)	0A07004	JT BAKER	H44465	11/12
HYDROGEN PEROXIDE (H_2O_2)	0B18004	CALEDON	70692	01/11
STANDARDS				
XCL 20R	0B26007	HIGH PURITY	0925409	09/11/10
XCL LCS 10XR	9L15003	HIGH PURITY	0935232	12/10/10
ERA PPT (540)	0B24007	ERA	540	12/03/10
EPA LCS (0405)	0E20016	EPA	0405	11/17/11
ICV-1 (0307)	0E20013	EPA	0307	05/17/15
ILM05.3 MATRIX SPIKE	0B23010	HIGH PURITY	1004722	02/18/11
SILVER (Ag) 100ppm	9L15009	HIGH PURITY	0934323	12/15/10
TCLP 500	9L21002	HIGH PURITY	0934202	12/10/10
ARSENIC (As) 1000ppm	9F17001	HIGH PURITY	0911221 pw/6/17/10	12/05/10
MERCURY (Hg) 20ppm	0F16001 ~~9L15007~~ pw/6/17/10	HIGH PURITY	~~0916320~~ 1015809	~~06/15/10~~ pw/6/17/10 6/7/2011
ICV-5 (0508) Hg	0E20020	EPA	0508	05/17/2015

[1]Ref#=Logbook ID, Page number, and item number from Materials Receipt Log
[2]Standard Lot Number consist of standard ID, date prepared, and initials of preparer

STANDARD SOLUTIONS PREPARED BY: D. Dickens DATE: 6-17-10

ENTERED BY: D Dicken DATE: 6-17-10

REVIEWED BY: M Bern DATE: 6/17/10 pw 6/17/10

The presence of the Chemist's/Analyst's employee ID number, or signature, on this worksheet attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Standards/QC Preparation Log for ICP Metals/Mercury Page 2 of 3 **Case/SDG:** 1005187
COMPUCHEM a division of Liberty Analytical Corp. Worksheet 1Q (1) 2

STANDARD LOT NUMBER[2]	PREPARATION INSTRUCTIONS
Hg 100ppb-06-17-10-DD	Place in a 100mL volumetric flask: 0.5mL of 20ppm Hg stock solution 2.5mL of concentrated HNO_3 Baker instra-analyzed Trace Metals grade or equivalent Dilute to 100mL volume with reagent water **(PREPARE DAILY)**
$K_2S_2O_8$- 06-07-10-DD Potassium Persulfate	Place in a 1000mL Erlenmeyer to a re-pipettor bottle **(PREPARE AS NEEDED)**
$KmnO_4$- 06-16-10 –DD Potassium Permanganate	Place in a 2000mL volumetric flask: 100.0g of $KmnO_4$ Baker instra-analyzed Trace Metals grade or equivalent Dilute to 2000mL with reagent water **(PREARE AS NEEDED)**
HNO_3- 06-07-10 - DD Nitric Acid	Place in a 2000mL volumetric flask: 500mL of Deionized water 1000mL of concentrated HNO_3 Baker instra-analyzed Trace Metals grade or equivalent Dilute to 2000mL with reagent water **(PREPARE AS NEEDED)**
HCl- 06-07-10 - DD Hydrochloric Acid	Place in a 2000mL volumetric flask: 500mL of Deionized water 1000mL of concentrated HCl Baker instra-analyzed Trace Metals grade or equivalent Dilute to 2000mL with reagent water **(PREPARE AS NEEDED)**
Aqua Regia- 06-14-10 - DD	Place in a 1000mL container: 600mL of Concentrated HCL 200mL of Concentrated HNO3 **(PREPARE AS NEEDED)**

[1]Ref#=Logbook ID, Page number, and item number from Materials Receipt Log
[2]Standard Lot Number consist of standard ID, date prepared, and initials of preparer

STANDARD SOLUTIONS PREPARED BY: D. Dickens DATE: 6-17-10

ENTERED BY: D. Dickens DATE: 6-17-10

REVIEWED BY: [signature] DATE: 6-21-10

The presence of the Chemist's/Analyst's employee ID number, or signature, on this worksheet attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Standards/QC Preparation Log for ICP Metals/Mercury Page 3 of 3 **Case/SDG:** 1005187
COMPUCHEM a division of Liberty Analytical Corp. Worksheet 1Q (1) 2

STANDARD LOT NUMBER[2]	PREPARATION INSTRUCTIONS	Resultant Analyte Concentration
ICV-5- 06-17-10-DD	Pipet into a 300mL BOD Bottle 1.0mL of ICV-5 and 99mL of reagent water. Digest according to sample preparation instructions	4.0µg/L
S0/ICB/CCB- 06-17-10-DD	Pipet into a 300mL BOD Bottle 100mL of reagent water Digest according to sample preparation instructions	0.0µg/L
S0.2/CRA/CRI- 06-17-10-DD	Pipet into a 300mL BOD Bottle 0.2mL of Hg 100ppb and 99.8mL of reagent water Digest according to sample preparation instructions	0.2µg/L
S0.5- 06-17-10-DD	Pipet into a 300mL BOD Bottle 0.5mL of Hg 100ppb and 99.5mL of reagent water Digest according to sample preparation instructions	0.5µg/L
S1.0- 06-17-10-DD	Pipet into a 300mL BOD Bottle 1.0mL of Hg 100ppb and 99mL of reagent water Digest according to sample preparation instructions	1.0µg/L
S5.0/CCV- 06-17-10-DD	Pipet into a 300mL BOD Bottle 5.0mL of Hg 100ppb and 95mL of reagent water Digest according to sample preparation instructions	5.0µg/L
S10.0- 06-17-10-DD	Pipet into a 300mL BOD Bottle 10mL of Hg 100ppb and 90mL of reagent water Digest according to sample preparation instructions	10.0µg/L

[1]Ref#=Logbook ID, Page number, and item number from Materials Receipt Log
[2]Standard Lot Number consist of standard ID, date prepared, and initials of preparer

STANDARD SOLUTIONS PREPARED BY: D. Dickens DATE: 6-17-10

ENTERED BY: D. Dickens DATE: 6-17-10

REVIEWED BY: [signature] DATE: 6/17/10

The presence of the Chemist's/Analyst's employee ID number, or signature, on this worksheet attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

C. Chain-of-Custody Documentation

The laboratory shall include a copy of the Chain-of-Custody (CoC) Documentation for all of the samples in the SDG. The CoC documentation shall be arranged in increasing Client Sample ID number order, considering both letters and numbers.

24950

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CHAIN OF CUSTODY

CompuChem
a division of Liberty Analytical Corp.
501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page 1 of 1

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information	Requested Analysis (include method and bottle type)	Matrices
Company Name: CH2M HILL	Project Name: CTO 94		GW - Ground water
Address: 3201 Beechleaf Ct Ste 304	Sampling Location: Camp Lejeune		WW - Waste water
City: Raleigh State: NC Zip: 27604	Turnaround time		SW - Surface water
Project Contact: Paul Weber	Batch QC or Project Specific? If Specific, which Sample ID?		SO - Soil/Sediment
Phone #: 269-762-3433	Are aqueous samples field filtered for metals? Y or (N)		TB - Trip Blank
Sampler's Name: Rachel Zayac	Are high concentrations expected? Y or (N)? If yes, which ID(s)?		RI - Rinsate
			WP - Wipe
			O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	TAL metals 6010B/7470 500	Hexavalent Chromium 7196A	8270C AL	Pesticides 8081	pH / Sample Info (Lab Use): TAL Metals
1005187-01	BBG-GW10-103	5/24/10	1330	GW	5			1			5	X	X	X	X	2.2
	~~BBG-GW01-108~~															

Lab Use Only

Sample Unpacked By: Dwayne Byrd
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

Sample Custody

Relinquished by:	Date/Time: 1730 5/24/10	Received by: Lee A Swanson	Date/Time: 5 2CPM 5/24/10
Relinquished by:	Date/Time:	Received by: Diane Byrd for Joann Ockerlander	Date/Time: 5/24/10 1615
Subcontact? Y or (N) If yes, where?	Custody Seal(s) intact? Y or N	On Ice? (Y) or N	Cooler Temp: 0.9 °C

Samples stored 60 days after date report mailed at no extra charge.

Couried

White & Yellow copy to lab • Pink copy for customer

SN0015

CompuChem
A Division Of
Liberty Analytical Corp.

QUALITY ASSURANCE NOTICE

CompuChem ID # _____
Client ID # BBG-GW10-10B
Case # _____
Type of Analysis TAL Metals
Receipt Date 5-24-10

The pH reading for the sample above was 2.2 : the required pH level is < 2 .

A CompuChem Project Manager contacted the client who instructed the laboratory to:

Preserve in-house ✓

Note: For samples preserved in house, certain clients require that the maximum amount of preservative added to a sample in an SDG also be added to the associated field or equipment blank. If neither blank is present, the appropriate laboratory must be notified so the proper amount of preservation can be added to the method blank.

Analyze - qualify with notice ✓

Dispose - client will resample _____

Subcontract lab to preserve _____

Project Manager [signature] Date 5/25/10

Preservation Type 50% HNO_3 Preservative Lot Number 7GG1-20-3

Preserved By [signature] Date 5/25/10

QAN-R-2
100319

QAN-R-2:031910:jad

Cooler #1 24949

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CHAIN OF CUSTODY

Page 1 of 1

CompuChem
a division of Liberty Analytical Corp.

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information
Company Name: CH2M HILL	Project Name: CTO94
Address: 329 Beechleaf Ct Ste 304	Sampling Location: Camp Lejeune
City: Raleigh State: NC Zip: 27604	Turnaround time:
Project Contact: Paul Weber	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 269-762-3433	Are aqueous samples field filtered for metals? Y or (N)
Sampler's Name: Rachel Zajac	Are high concentrations expected? Y or (N)? If yes, which ID(s)?

Requested Analysis (include method and bottle type): TAL metals 6010B/7470 500ml; Hexavalent Chromium 7196A; PAH 8270C 3 AL; Pesticides 8081

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	TAL Metals	Hexavalent Chromium	PAH 8270C	Pesticides 8081	pH / Sample Info (Lab Use)
1005187-02	BBG-FB-052510	5/25/10	0940	WT	5			1			5	X	X	X	X	<2
-03	BBG-GW01-10B	"	1010	"	"			"			"	X	X	X	X	<2
-04	BBG-EB1-052510	"	1700	"	"			"			"	X	X	X	X	<2

Lab Use Only

Sample Unpacked By: Jennifer Dorer
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

Residual Chlorine Present?
No ✓

Sample Custody

Relinquished by: [signature]	Date/Time: 5/25/10 1800	Received by: [signature]	Date/Time: 5.25.10 6:00
Relinquished by:	Date/Time:	Received by: Jennifer Dorer	Date/Time: 5.25.10 8:25 PM

Subcontact? Y or N If yes, where?
Custody Seal(s) intact? (Y) or N
On Ice: (Y) or N
Cooler Temp: 3.2 °C

Samples stored 60 days after date report mailed at no extra charge.

NC Courier

White & Yellow copy to lab • Pink copy for customer

SN0010

cooler #2 24948

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CHAIN OF CUSTODY

Page 1 of 1

CompuChem
a division of Liberty Analytical Corp.

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information
Company Name: CH2M HILL	Project Name: CTO 94
Address: 3201 Beechleaf Ct Ste 304	Sampling Location: Camp Lejeune
City: Raleigh State: NC Zip: 27604	Turnaround time
Project Contact: Paul Weber	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 269-762-3433	Are aqueous samples field filtered for metals? Y or (N)
Sampler's Name: Rachel Zayac	Are high concentrations expected? Y or (N)? If yes, which ID(s)?

Requested Analysis (include method and bottle type): TAL metals 6010B/7470 500mL; Hexavalent Chromium 7199A; PAH 8270C 3A; Pesticides 8081

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	pH / Sample Info (Lab Use): TAL Metals
1005187-05	BBG-GW03-[illegible]B	5/25	1035	GW	5			1			4	<2
-06	BBG-EB2-052510	"	1035	"	1			"			"	<2

Lab Use Only

Sample Unpacked By: Jennifer Boer
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Residual Chlorine Present? Yes ___ No ✓

Sample Custody

Relinquished by: R Zayac — Date/Time: 5/25/10 1800 — Received by: [illegible] — Date/Time: 5.25.10 18:00
Relinquished by: — Date/Time: — Received by: Jennifer Boer — Date/Time: 5.25.10 8:25 PM
Subcontact? Y or (N) If yes, where? — Custody Seal(s) intact? (Y) or N — On Ice (Y) or N — Cooler Temp: 4.3 °C

NC Courier

Samples stored 60 days after date report mailed at no extra charge.

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SN0010

24927

164

Residual Chlorine Present? Yes _____ No ✓

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CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page _____ of _____

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information
Company Name: CH2M HILL	Project Name: CTO 94
Address: 3301 Beechcraft Ste 300	Sampling Location: Camp Lejeune
City: Raleigh State: NC Zip: 27604	Turnaround time:
Project Contact: Paul Weber	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 269-762-3433	Are aqueous samples field filtered for metals? Y or (N)
Sampler's Name: Verd Anna Cunningham	Are high concentrations expected? Y or (N)? If yes, which ID(s)?

Requested Analysis (include method and bottle type)

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other: none	TAL metals 6010B/7470 500	Hexavalent Chromium 7196A	PAHs 8270 C 3AL	Pesticides 8081							pH / Sample Info (Lab Use): TAL Metals
1005187-07	BBG-GW09-10B	5/26	1130	GW	5			1			4	X	X	X	X							<2
↓ -08	BBG-GW09D-10B	5/26	1135	GW	5			1			4	X	X	X	X							<2

Lab Use Only

Sample Unpacked By: [signature]
Sample Order Entry By: [signature]
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

Sample Custody

Relinquished by: Verd Anna Cunningham	Date/Time: 5/26/10 1830	Received by: Elly Gunsler	Date/Time: 5-26-10 = 5.35
Relinquished by:	Date/Time:	Received by: [signature]	Date/Time: 5/26/10 1945
Subcontact? Y or (N) If yes, where?	Custody Seal(s) intact? (Y) or N	On Ice? (Y) or N	Cooler Temp: 1.8 °C

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SN0015

Residual Chlorine Present?
Yes _____ No ✓

24926

Page ____ of ____

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Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information	Requested Analysis (include method and bottle type)	Matrices
Company Name: CH2M HILL	Project Name: CTO 94		GW - Ground water
Address: 3201 Beechleaf Ct Ste 300	Sampling Location: Camp Lejeune		WW - Waste water
City: Raleigh State: NC Zip: 27604	Turnaround time		SW - Surface water
Project Contact: Paul Weber	Batch QC or Project Specific? If Specific, which Sample ID?		SO - Soil/Sediment
Phone #: 269-762-3433	Are aqueous samples field filtered for metals? Y or (N)		TB - Trip Blank
Sampler's Name: Verd Anna Cunningham	Are high concentrations expected? Y or (N)? If yes, which ID(s)?		RI - Rinsate
			WP - Wipe
			O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other none	TAL Metals 6010B/7470 500	Hexavalent Chromium 7196A	PAHs 8270C 3AL	Pesticides 8081							pH / Sample Info (Lab Use): TAL Metals				
1005187-09	BBG-GW08-10B	5/26	1445	GW	5			1			4	X	X	X	X							K2				

Lab Use Only

Sample Unpacked By:
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments

Sample Custody

Relinquished by: Verd Anna Cunningham	Date/Time: 5/26/10 1730	Received by:	Date/Time: 5-26-10 1735		
Relinquished by:	Date/Time:	Received by:	Date/Time: 5/27/10 1945		
Subcontact? Y or N If yes, where?	Custody Seal(s) intact? Y or N	On Ice? Y or N	Cooler Temp: 0.7 °C		

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SN0015

Residual Chlorine Present?
Yes _____ No ✓

cooler #3

20706

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3 AL

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information	Requested Analysis (include method and bottle type)	Matrices
Company Name: CH2M HILL	Project Name: CTO 94		GW - Ground water WW - Waste water SW - Surface water SO - Soil/Sediment TB - Trip Blank RI - Rinsate WP - Wipe O - Other
Address: 3201 Beechleaf Ct Ste 304	Sampling Location: Camp Lejeune		
City: Raleigh State: NC Zip: 27604	Turnaround time		
Project Contact: Paul Weber	Batch QC or Project Specific? If Specific, which Sample ID?		
Phone #: 9198754311	Are aqueous samples field filtered for metals? Y or N		
Sampler's Name: Rachel Zayac	Are high concentrations expected? Y or N? If yes, which ID(s)?		

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	TAL metals 6010B/7470 500	Hex Chromium 7196A 125	PAHs 8270C (22)	Pesticides 8081	pH / Sample Info (Lab Use)
1005187-10	BB6-GW09-1013	5/27	0830	GW	5			1			4	X	X	X	X	TAL metals ≤2
-11	BB6-EB1-052710	↓	1525	1	↓			1			4	X	X	X	X	≤2

Lab Use Only

Sample Unpacked By: Diana Byrd
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments

Sample Custody

Relinquished by: R Zayac	Date/Time: 5/27/10 2005	Received by:	Date/Time: 5/27/10 2005
Relinquished by:	Date/Time:	Received by:	Date/Time:
Subcontact? Y or N If yes, where?	Custody Seal(s) intact? Y or N	On Ice? Y or N	Cooler Temp: 1.5 3.9 °C

hand delivery

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5/28/10 SN0015

Residual Chlorine Present? Yes ____ No ✓

Cooler #2

20705

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Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information
Company Name: CH2M HILL	Project Name: CTO94
Address: 3301 Beacon Leaf Ct Ste 304	Sampling Location: Camp Lejeune
City: Raleigh State: NC Zip: 27604	Turnaround time
Project Contact: Paul Weber	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 9198754311	Are aqueous samples field filtered for metals? Y or N
Sampler's Name: Rachel Zayac	Are high concentrations expected? Y or N? If yes, which ID(s)?

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Requested Analysis: TAL metals 6010B/7470 500	Hex Chromium 7196A 125	PAHs 8270C 3AU	Pesticides 8081 3AU	pH / Sample Info (Lab Use): TAL metals
1005187-12	BBG-GW04-103	5/22	1130	GW	5			1			4	X	X	X	X	X2
-13	BBG-GW03DUP-103	"	1410	"	↓			"			"	X	X	X	X	X2

Lab Use Only

Sample Unpacked By: Diane Bynum
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

Sample Custody

Relinquished by: K Zayac	Date/Time: 5/27/10 2005	Received by:	Date/Time: 5/27/10 2005
Relinquished by:	Date/Time:	Received by:	Date/Time:
Subcontact? Y or N If yes, where?	Custody Seal(s) intact? (Y) or N	On Ice? (Y) or N	Cooler Temp: 1.3 °C

hand delivery

Samples stored 60 days after date report mailed at no extra charge.

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SN0015

cover #1

20704

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Residual Chlorine Present?
Yes _____ No ✓

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CHAIN OF CUSTODY

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Page 1 of 1

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information
Company Name: CH2M HILL	Project Name: CTO 94
Address: 3201 Beechleaf Ct Ste 304	Sampling Location: MCB Camp Lejeune
City: Raleigh State: NC Zip: 27604	Turnaround time
Project Contact: Paul Weber	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 919 875 4311	Are aqueous samples field filtered for metals? Y or N
Sampler's Name: Rachel Zayac	Are high concentrations expected? Y or N? If yes, which ID(s)?

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	TAL metals 6010B/7470A 5030	Hex Chromium 7196A	PAHs 8270C	Pesticides 8081	pH / Sample Info (Lab Use): TAL Metals
100518-14	BBG-GW03-10B	5/27	1400	GW	15			3			12	X	X	X	X	X2

Lab Use Only

Sample Unpacked By: Grace Byrd
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments

MS/MSD

Sample Custody

Relinquished by: R Zayac	Date/Time: 5/27/10 2005	Received by: Cathy Jones	Date/Time: 5/27/10 2005		
Relinquished by:	Date/Time:	Received by:	Date/Time:		
Subcontact? Y or N If yes, where?	Custody Seal(s) intact? Y or N	On Ice? Y or N	Cooler Temp: 5.1 °C		

Samples stored 60 days after date report mailed at no extra charge.

hand delivery

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Residual Chlorine Present? Yes ___ No ✓

cooler 4

20707

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CHAIN OF CUSTODY

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Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information
Company Name: CH2M HILL	Project Name: CTO 94
Address: 3301 Benedict Ct Ste 304	Sampling Location: Camp Lejeune
City: Raleigh State: NC Zip: 27604	Turnaround time
Project Contact: Paul Weber	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 919 875 4311	Are aqueous samples field filtered for metals? Y or N
Sampler's Name: Rachel Zajac	Are high concentrations expected? Y or N? If yes, which ID(s)?

Requested Analysis (include method and bottle type): TAL metals 6010B/7470 500; Hex Chromium 7196A 125; PAHs 8270C 3AG; Pesticides 8081

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

pH / Sample Info (Lab Use): TAL Metals

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	TAL metals	Hex Chromium	PAHs 8270C	Pesticides 8081	pH / Sample Info (Lab Use)
1005187-15	BBGFB2-052710	5/27	1545	GW	5			1			4	X	X	X	X	<2
-16	BBGFB3-052710	↓	1545	1	↓			1			4	X	X	X	X	<2

Lab Use Only

Sample Unpacked By: Diane Dyer
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

Sample Custody

Relinquished by: R Zajac	Date/Time: 5/27/10 2005	Received by: Diane Dyer	Date/Time: 5/27/10 2005
Relinquished by:	Date/Time:	Received by:	Date/Time:
Subcontact? Y or N If yes, where?	Custody Seal(s) intact? Y or (N)	On Ice? (Y) or N	Cooler Temp: 2.7 °C

hand delivery

Samples stored 60 days after date report mailed at no extra charge.

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SN0015

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Sample ID Cross Reference

LAB WO	Project	Sample #	Field ID	Sample Date	Rec Date	DueDate	Chain of Custody ID
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-01	BBG-GW10	05/24/2010	05/24/2010	06/09/2010	BBG-GW10-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-01	BBG-GW10	05/24/2010	05/24/2010	06/16/2010	BBG-GW10-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-02	FB-052510	05/25/2010	05/25/2010	06/09/2010	BBG-FB-052510
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-02	FB-052510	05/25/2010	05/25/2010	06/16/2010	BBG-FB-052510
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-03	BBG-GW01	05/25/2010	05/25/2010	06/09/2010	BBG-GW01-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-03	BBG-GW01	05/25/2010	05/25/2010	06/16/2010	BBG-GW01-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-04	EB1-052510	05/25/2010	05/25/2010	06/09/2010	BBG-EB1-052510
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-04	EB1-052510	05/25/2010	05/25/2010	06/16/2010	BBG-EB1-052510
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-05	BBG-GW03	05/25/2010	05/25/2010	06/09/2010	BBG-GW03-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-05	BBG-GW03	05/25/2010	05/25/2010	06/16/2010	BBG-GW03-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-06	EB2-052510	05/25/2010	05/25/2010	06/09/2010	BBG-EB2-052510
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-06	EB2-052510	05/25/2010	05/25/2010	06/16/2010	BBG-EB2-052510
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-07	BBG-GW09	05/26/2010	05/26/2010	06/09/2010	BBG-GW09-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-07	BBG-GW09	05/26/2010	05/26/2010	06/16/2010	BBG-GW09-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-08	BBG-GW09D	05/26/2010	05/26/2010	06/09/2010	BBG-GW09D-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-08	BBG-GW09D	05/26/2010	05/26/2010	06/16/2010	BBG-GW09D-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-09	BBG-GW08	05/26/2010	05/26/2010	06/09/2010	BBG-GW08-10B

LAB WO	Project	Sample #	Field ID	Sample Date	Rec Date	DueDate	Chain of Custody ID
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-09	BBG-GW08	05/26/2010	05/26/2010	06/16/2010	BBG-GW08-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-10	BBG-GW07	05/27/2010	05/27/2010	06/09/2010	BBG-GW07-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-10	BBG-GW07	05/27/2010	05/27/2010	06/16/2010	BBG-GW07-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-11	EB1-052710	05/27/2010	05/27/2010	06/09/2010	BBG-EB1-052710
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-11	EB1-052710	05/27/2010	05/27/2010	06/16/2010	BBG-EB1-052710
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-12	BBG-GW04	05/27/2010	05/27/2010	06/09/2010	BBG-GW04-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-12	BBG-GW04	05/27/2010	05/27/2010	06/16/2010	BBG-GW04-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-13	BBG-GW03UCH	05/27/2010	05/27/2010	06/09/2010	BBG-GW03UCH-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-13	BBG-GW03UCH	05/27/2010	05/27/2010	06/16/2010	BBG-GW03UCH-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-14	BBG-GW02	05/27/2010	05/27/2010	06/09/2010	BBG-GW02-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-14	BBG-GW02	05/27/2010	05/27/2010	06/16/2010	BBG-GW02-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-15	EB2-052710	05/27/2010	05/27/2010	06/09/2010	BBG-EB2-052710
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-15	EB2-052710	05/27/2010	05/27/2010	06/16/2010	BBG-EB2-052710
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-16	EB3-052710	05/27/2010	05/27/2010	06/09/2010	BBG-EB3-052710
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-16	EB3-052710	05/27/2010	05/27/2010	06/16/2010	BBG-EB3-052710

WORK ORDER

Printed: 6/21/2010 6:35:45AM

1005187

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005187** **CASE:**	**Status:**	**Prepared**

Report To:
CH2M HILL, INC.
REBEKHA SHAW
5700 CLEVELAND STREET, SUITE 101
VIRGINIA BEACH, VA 23462
Phone: 757-671-8311
Fax: -

Invoice To:
CH2M HILL, INC.
ACCOUNTS PAYABLE
P.O. BOX 241329
DENVER, CO 80224
Phone :757-671-8311
Fax: -

Date Due: 06/16/2010 00:00 (20 day TAT)

Received By: Cathy Dover — Date Received: 05/27/2010 20:05

Logged In By: Cathy Dover — Date Logged In: 05/25/2010 13:37

J & B Flags?: **YES**	TICS?:**NO**	Deliverable: **Style 9 PQL/MDL Forms**	EDD : **30) CH2 SNEDD**
Metals ND to? **RL/CRQL**	Spike Level: **FULL Spike**		

DOD CRITERIA*USE 1005187-14 FOR QC*SIM 8270C=PAH.SUB*PEST 8081A* TAL METALS*HEXAVALENT Cr 7196A + Cr+3 REPORTED ON FORMS & EDD

Analysis	Due	TAT	Expires	Received	Comments
1005187-01 BBG-GW10 [Water] Sampled 05/24/2010 13:30 Eastern					
6010B METALS TAL	06/16/2010 16:00	20	11/20/2010 13:30	05/24/2010 16:15	
7470A/7471A Mercury	06/16/2010 16:00	20	06/21/2010 13:30	05/24/2010 16:15	
GC-8081A/PEST	06/16/2010 16:00	20	05/31/2010 13:30	05/24/2010 16:15	
SVOC 8270C SIM PAH	06/16/2010 16:00	20	05/31/2010 13:30	05/24/2010 16:15	
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/20/2010 13:30	05/24/2010 16:15	

1005187

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005187** **CASE:**	**Status:**	**Reviewed**

Analysis	Due	TAT	Expires	Comments
1005187-02 FB-052510 [Water] Sampled 05/25/2010 09:40 Eastern				**FIELD BLK**
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/01/2010 09:40	05/25/2010 20:25
GC-8081A/PEST	06/16/2010 16:00	20	06/01/2010 09:40	05/25/2010 20:25
6010B METALS TAL	06/16/2010 16:00	20	11/21/2010 09:40	05/25/2010 20:25
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/21/2010 09:40	05/25/2010 20:25
7470A/7471A Mercury	06/16/2010 16:00	20	06/22/2010 09:40	05/25/2010 20:25
1005187-03 BBG-GW01 [Water] Sampled 05/25/2010 10:10 Eastern				
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/21/2010 10:10	05/25/2010 20:25
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/01/2010 10:10	05/25/2010 20:25
GC-8081A/PEST	06/16/2010 16:00	20	06/01/2010 10:10	05/25/2010 20:25
7470A/7471A Mercury	06/16/2010 16:00	20	06/22/2010 10:10	05/25/2010 20:25
6010B METALS TAL	06/16/2010 16:00	20	11/21/2010 10:10	05/25/2010 20:25
1005187-04 EB1-052510 [Water] Sampled 05/25/2010 17:00 Eastern				**EQUIP. BLK**
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/21/2010 17:00	05/25/2010 20:25
6010B METALS TAL	06/16/2010 16:00	20	11/21/2010 17:00	05/25/2010 20:25
7470A/7471A Mercury	06/16/2010 16:00	20	06/22/2010 17:00	05/25/2010 20:25
GC-8081A/PEST	06/16/2010 16:00	20	06/01/2010 17:00	05/25/2010 20:25
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/01/2010 17:00	05/25/2010 20:25

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005187** **CASE:**	**Status:**	**Reviewed**

Analysis	Due	TAT	Expires	Comments
1005187-05 BBG-GW03 [Water] Sampled 05/25/2010 16:35 Eastern				
GC-8081A/PEST	06/16/2010 16:00	20	06/01/2010 16:35	05/25/2010 20:25
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/01/2010 16:35	05/25/2010 20:25
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/21/2010 16:35	05/25/2010 20:25
6010B METALS TAL	06/16/2010 16:00	20	11/21/2010 16:35	05/25/2010 20:25
7470A/7471A Mercury	06/16/2010 16:00	20	06/22/2010 16:35	05/25/2010 20:25
1005187-06 EB2-052510 [Water] Sampled 05/25/2010 10:35 Eastern				**EQUIP. BLK**
6010B METALS TAL	06/16/2010 16:00	20	11/21/2010 10:35	05/25/2010 20:25
7470A/7471A Mercury	06/16/2010 16:00	20	06/22/2010 10:35	05/25/2010 20:25
GC-8081A/PEST	06/16/2010 16:00	20	06/01/2010 10:35	05/25/2010 20:25
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/01/2010 10:35	05/25/2010 20:25
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/21/2010 10:35	05/25/2010 20:25
1005187-07 BBG-GW09 [Water] Sampled 05/26/2010 11:30 Eastern				
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/22/2010 11:30	05/26/2010 19:45
GC-8081A/PEST	06/16/2010 16:00	20	06/02/2010 11:30	05/26/2010 19:45
6010B METALS TAL	06/16/2010 16:00	20	11/22/2010 11:30	05/26/2010 19:45
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/02/2010 11:30	05/26/2010 19:45
7470A/7471A Mercury	06/16/2010 16:00	20	06/23/2010 11:30	05/26/2010 19:45

WORK ORDER

Printed: 6/21/2010 6:35:45AM

1005187

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005187** **CASE:**	**Status:**	**Prepared**

Analysis	Due	TAT	Expires	Comments
1005187-08 BBG-GW09D [Water] Sampled 05/26/2010 11:35 Eastern				
7470A/7471A Mercury	06/16/2010 16:00	20	06/23/2010 11:35	05/26/2010 19:45
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/02/2010 11:35	05/26/2010 19:45
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/22/2010 11:35	05/26/2010 19:45
6010B METALS TAL	06/16/2010 16:00	20	11/22/2010 11:35	05/26/2010 19:45
GC-8081A/PEST	06/16/2010 16:00	20	06/02/2010 11:35	05/26/2010 19:45
1005187-09 BBG-GW08 [Water] Sampled 05/26/2010 14:45 Eastern				
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/02/2010 14:45	05/26/2010 19:45
GC-8081A/PEST	06/16/2010 16:00	20	06/02/2010 14:45	05/26/2010 19:45
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/22/2010 14:45	05/26/2010 19:45
6010B METALS TAL	06/16/2010 16:00	20	11/22/2010 14:45	05/26/2010 19:45
7470A/7471A Mercury	06/16/2010 16:00	20	06/23/2010 14:45	05/26/2010 19:45
1005187-10 BBG-GW07 [Water] Sampled 05/27/2010 08:30 Eastern				
GC-8081A/PEST	06/16/2010 16:00	20	06/03/2010 08:30	05/27/2010 20:05
6010B METALS TAL	06/16/2010 16:00	20	11/23/2010 08:30	05/27/2010 20:05
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/23/2010 08:30	05/27/2010 20:05
7470A/7471A Mercury	06/16/2010 16:00	20	06/24/2010 08:30	05/27/2010 20:05
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/03/2010 08:30	05/27/2010 20:05

WORK ORDER

Printed: 6/21/2010 6:35:45AM

1005187

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005187** **CASE:**	**Status:**	**Reviewed**

Analysis	Due	TAT	Expires	Comments
1005187-11 EB1-052710 [Water] Sampled 05/27/2010 15:25 Eastern				
GC-8081A/PEST	06/16/2010 16:00	20	06/03/2010 15:25	05/27/2010 20:05
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/03/2010 15:25	05/27/2010 20:05
6010B METALS TAL	06/16/2010 16:00	20	11/23/2010 15:25	05/27/2010 20:05
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/23/2010 15:25	05/27/2010 20:05
7470A/7471A Mercury	06/16/2010 16:00	20	06/24/2010 15:25	05/27/2010 20:05
1005187-12 BBG-GW04 [Water] Sampled 05/27/2010 11:30 Eastern				
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/23/2010 11:30	05/27/2010 20:05
GC-8081A/PEST	06/16/2010 16:00	20	06/03/2010 11:30	05/27/2010 20:05
7470A/7471A Mercury	06/16/2010 16:00	20	06/24/2010 11:30	05/27/2010 20:05
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/03/2010 11:30	05/27/2010 20:05
6010B METALS TAL	06/16/2010 16:00	20	11/23/2010 11:30	05/27/2010 20:05
1005187-13 BBG-GW03UCH [Water] Sampled 05/27/2010 14:10 Eastern				
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/23/2010 14:10	05/27/2010 20:05
6010B METALS TAL	06/16/2010 16:00	20	11/23/2010 14:10	05/27/2010 20:05
7470A/7471A Mercury	06/16/2010 16:00	20	06/24/2010 14:10	05/27/2010 20:05
GC-8081A/PEST	06/16/2010 16:00	20	06/03/2010 14:10	05/27/2010 20:05
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/03/2010 14:10	05/27/2010 20:05

WORK ORDER

Printed: 6/21/2010 6:35:45AM

1005187

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005187** **CASE:**	**Status:**	**Reviewed**

Analysis	Due	TAT	Expires	Comments
1005187-14 BBG-GW02 [Water] Sampled 05/27/2010 14:00 Eastern				**USE FOR QC**
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/03/2010 14:00	05/27/2010 20:05
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/23/2010 14:00	05/27/2010 20:05
6010B METALS TAL	06/16/2010 16:00	20	11/23/2010 14:00	05/27/2010 20:05
7470A/7471A Mercury	06/16/2010 16:00	20	06/24/2010 14:00	05/27/2010 20:05
GC-8081A/PEST	06/16/2010 16:00	20	06/03/2010 14:00	05/27/2010 20:05
1005187-15 EB2-052710 [Water] Sampled 05/27/2010 15:45 Eastern				
GC-8081A/PEST	06/16/2010 16:00	20	06/03/2010 15:45	05/27/2010 20:05
6010B METALS TAL	06/16/2010 16:00	20	11/23/2010 15:45	05/27/2010 20:05
7470A/7471A Mercury	06/16/2010 16:00	20	06/24/2010 15:45	05/27/2010 20:05
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/23/2010 15:45	05/27/2010 20:05
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/03/2010 15:45	05/27/2010 20:05
1005187-16 EB3-052710 [Water] Sampled 05/27/2010 15:45 Eastern				
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/03/2010 15:45	05/27/2010 20:05
7470A/7471A Mercury	06/16/2010 16:00	20	06/24/2010 15:45	05/27/2010 20:05
6010B METALS TAL	06/16/2010 16:00	20	11/23/2010 15:45	05/27/2010 20:05
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/23/2010 15:45	05/27/2010 20:05
GC-8081A/PEST	06/16/2010 16:00	20	06/03/2010 15:45	05/27/2010 20:05

Analysis groups included in this work order

TRIVALENT CHROMIUM Cr3 7196A

Total Cr by Metals	HEXAVALENT CHROMI

INTERNAL DIGESTION COC

0060334

COMPUCHEM

Printed: 6/3/2010 2:59:44PM

Matrix: Water **Prepared using: METALS - EPA 3010A**

Lab Number	Client ID	Sample Type	
0060334-BLK1	PBW	Blank	
0060334-BS1	LCSW	LCS	
0060334-DUP1	BBG-GW02D	Duplicate	
0060334-MS1	BBG-GW02S	Matrix Spike	
0060334-MSD1	BBG-GW02SD	Matrix Spike Dup	
1005187-01	BBG-GW10	Sample	
1005187-02	FB-052510	Sample	
1005187-03	BBG-GW01	Sample	
1005187-04	EB1-052510	Sample	
1005187-05	BBG-GW03	Sample	
1005187-06	EB2-052510	Sample	
1005187-07	BBG-GW09	Sample	
1005187-08	BBG-GW09D	Sample	
1005187-09	BBG-GW08	Sample	
1005187-10	BBG-GW07	Sample	
1005187-11	EB1-052710	Sample	
1005187-12	BBG-GW04	Sample	
1005187-13	BBG-GW03UCH	Sample	
1005187-14	BBG-GW02	Sample	
1005187-15	EB2-052710	Sample	
1005187-16	EB3-052710	Sample	

D. Dickens	6-4-10 1320	ICP Stg	6-4-10 1320
Relinquished By	Date	Received By	Date
ICP Storage	06.14.10 17:23	[illegible]	06.14.10 17:23
Relinquished By	Date	Received By	Date
[illegible]	06.15.10 9:48	ICP Storage	06.15.10 9:48
Relinquished By	Date	Received By	Date
ICP Storage	06.15.10 14:00 ~~06.16.10 14:01~~ 06.16.10 5AM	[illegible]	06.15.10 14:00 ~~06.16.10 11:15~~ 06.16.10 5AM
Relinquished By	Date	Received By	Date
[illegible]	06.16.10 11:15	ICP Storage	06.16.10 11:15 ~~06.16.10~~ 06.16.10 5AM

INTERNAL DIGESTION COC

0060335

COMPUCHEM

Printed: 6/3/2010 2:59:38PM

Matrix: Water **Prepared using: METALS - EPA 7470A Prep**

Lab Number	Client ID	Sample Type	
0060335-BLK1	PBW	Blank	
0060335-BS1	LCSW	LCS	
0060335-DUP1	BBG-GW02D	Duplicate	
0060335-MS1	BBG-GW02S	Matrix Spike	
0060335-MSD1	BBG-GW02SD	Matrix Spike Dup	
1005187-01	BBG-GW10	Sample	
1005187-02	FB-052510	Sample	
1005187-03	BBG-GW01	Sample	
1005187-04	EB1-052510	Sample	
1005187-05	BBG-GW03	Sample	
1005187-06	EB2-052510	Sample	
1005187-07	BBG-GW09	Sample	
1005187-08	BBG-GW09D	Sample	
1005187-09	BBG-GW08	Sample	
1005187-10	BBG-GW07	Sample	
1005187-11	EB1-052710	Sample	
1005187-12	BBG-GW04	Sample	
1005187-13	BBG-GW03UCH	Sample	
1005187-14	BBG-GW02	Sample	
1005187-15	EB2-052710	Sample	
1005187-16	EB3-052710	Sample	

D. Dickens	6-4-10 1225	Hg Stg	6-4-10 1225
Relinquished By	Date	Received By	Date
Hg Stg	6/7/10 10:00		6/7/10 10:00
Relinquished By	Date	Received By	Date
	6/7/10 1600	Waste	6/7/10 1600
Relinquished By	Date	Received By	Date
		6-2-10	
Relinquished By	Date	Received By	Date

Metals Internal Chain of Custody Sheet

Batch: 0060334 **Status:** Batched **Analysis**: 6010B METALS TAL

Lab Id	Client_Id	Received	Container	Extraction	Preservative	Matrix	Due Date	Cust Date
1005187-01 E	BBG-GW10	05/24/10	3n_500mL Plastic, HNO3	EPA 3010A	Add HNO3 to pH<2	Water	6/16/2010	5/26/2010
1005187-02 E	FB-052510	05/25/10	3n_500mL Plastic, HNO3	EPA 3010A	Add HNO3 to pH<2	Water	6/16/2010	
1005187-03 E	BBG-GW01	05/25/10	3n_500mL Plastic, HNO3	EPA 3010A	Add HNO3 to pH<2	Water	6/16/2010	5/27/2010
1005187-04 E	EB1-052510	05/25/10	3n_500mL Plastic, HNO3	EPA 3010A	Add HNO3 to pH<2	Water	6/16/2010	5/26/2010
1005187-05 E	BBG-GW03	05/25/10	3n_500mL Plastic, HNO3	EPA 3010A	Add HNO3 to pH<2	Water	6/16/2010	5/27/2010
1005187-06 E	EB2-052510	05/25/10	3n_500mL Plastic, HNO3	EPA 3010A	Add HNO3 to pH<2	Water	6/16/2010	
1005187-07 E	BBG-GW09	05/26/10	3n_500mL Plastic, HNO3	EPA 3010A	Add HNO3 to pH<2	Water	6/16/2010	
1005187-08 E	BBG-GW09D	05/26/10	3n_500mL Plastic, HNO3	EPA 3010A	Add HNO3 to pH<2	Water	6/16/2010	
1005187-09 E	BBG-GW08	05/26/10	3n_500mL Plastic, HNO3	EPA 3010A	Add HNO3 to pH<2	Water	6/16/2010	
1005187-10 E	BBG-GW07	05/27/10	3n_500mL Plastic, HNO3	EPA 3010A	Add HNO3 to pH<2	Water	6/16/2010	
1005187-11 E	EB1-052710	05/27/10	3n_500mL Plastic, HNO3	EPA 3010A	Add HNO3 to pH<2	Water	6/16/2010	
1005187-12 E	BBG-GW04	05/27/10	3n_500mL Plastic, HNO3	EPA 3010A	Add HNO3 to pH<2	Water	6/16/2010	
1005187-13 E	BBG-GW03UCH	05/27/10	3n_500mL Plastic, HNO3	EPA 3010A	Add HNO3 to pH<2	Water	6/16/2010	5/28/2010
1005187-14 L	BBG-GW02	05/27/10	3n_500mL Plastic, HNO3	EPA 3010A	Add HNO3 to pH<2	Water	6/16/2010	5/28/2010
1005187-15 E	EB2-052710	05/27/10	3n_500mL Plastic, HNO3	EPA 3010A	Add HNO3 to pH<2	Water	6/16/2010	
1005187-16 E	EB3-052710	05/27/10	3n_500mL Plastic, HNO3	EPA 3010A	Add HNO3 to pH<2	Water	6/16/2010	

ambient	6.4.10 0833	Diane Dyad	6.4.10 0833
Relinquished By	Date/Time	Received By	Date/Time
Diane Dyad	6.4.10 0833	[illegible]	06.04.10 08:50
Relinquished By	Date/Time	Received By	Date/Time
[illegible]	06.04.10 1445 D.P. 6-4-10	Cooler + Ambient	6-4-10 1445
Relinquished By	Date/Time	Received By	Date/Time
		06-21-10	
Relinquished By	Date/Time	Received By	Date/Time

INTERNAL DIGESTION COC

0061620

COMPUCHEM

Printed: 6/16/2010 12:37:54PM

Matrix: Water **Prepared using: METALS - EPA 3010A**

Lab Number	Client ID	Sample Type	
0061620-BLK1	PBW	Blank	
0061620-BS1	LCSW	LCS	
0061620-DUP1	BBG-GW02D	Duplicate	
0061620-MS1	BBG-GW02S	Matrix Spike	
0061620-MSD1	BBG-GW02SD	Matrix Spike Dup	
1005187-01RE1	BBG-GW10	Sample	
1005187-02RE1	FB-052510	Sample	
1005187-03RE1	BBG-GW01	Sample	
1005187-04RE1	EB1-052510	Sample	
1005187-05RE1	BBG-GW03	Sample	
1005187-06RE1	EB2-052510	Sample	
1005187-07RE1	BBG-GW09	Sample	
1005187-08RE1	BBG-GW09D	Sample	
1005187-09RE1	BBG-GW08	Sample	
1005187-10RE1	BBG-GW07	Sample	
1005187-11RE1	EB1-052710	Sample	
1005187-12RE1	BBG-GW04	Sample	
1005187-13RE1	BBG-GW03UCH	Sample	
1005187-14RE1	BBG-GW02	Sample	
1005187-15RE1	EB2-052710	Sample	
1005187-16RE1	EB3-052710	Sample	

From 0060334 on 6/16/2010 by NSB

D. Dickson	6-17-10 1540	Hg Stg.	6-17-10 1540
Relinquished By	Date	Received By	Date
Hg Stg	6/17/10 1530	[signature]	6/17/10 1530
Relinquished By	Date	Received By	Date
[signature]	6/17/10 1900	waste	6/17/10 1900
Relinquished By	Date	Received By	Date
		6-21-10	
Relinquished By	Date	Received By	Date

Metals Internal Chain of Custody Sheet

Batch: 0061620 **Status**: Batched **Analysis**: 6010B METALS TAL

Lab Id	Client_Id	Received	Container	Extraction	Preservative	Matrix	Due Date	Cust Date
1005187-01RE1 E	BBG-GW10	05/24/10	3n_500mL Plastic, HNO3	EPA 3010A	Add HNO3 to pH<2	Water	6/16/2010	5/26/2010
1005187-02RE1 E	FB-052510	05/25/10	3n_500mL Plastic, HNO3	EPA 3010A	Add HNO3 to pH<2	Water	6/16/2010	
1005187-03RE1 E	BBG-GW01	05/25/10	3n_500mL Plastic, HNO3	EPA 3010A	Add HNO3 to pH<2	Water	6/16/2010	5/27/2010
1005187-04RE1 E	EB1-052510	05/25/10	3n_500mL Plastic, HNO3	EPA 3010A	Add HNO3 to pH<2	Water	6/16/2010	5/26/2010
1005187-05RE1 E	BBG-GW03	05/25/10	3n_500mL Plastic, HNO3	EPA 3010A	Add HNO3 to pH<2	Water	6/16/2010	5/27/2010
1005187-06RE1 E	EB2-052510	05/25/10	3n_500mL Plastic, HNO3	EPA 3010A	Add HNO3 to pH<2	Water	6/16/2010	
1005187-07RE1 E	BBG-GW09	05/26/10	3n_500mL Plastic, HNO3	EPA 3010A	Add HNO3 to pH<2	Water	6/16/2010	
1005187-08RE1 E	BBG-GW09D	05/26/10	3n_500mL Plastic, HNO3	EPA 3010A	Add HNO3 to pH<2	Water	6/16/2010	
1005187-09RE1 E	BBG-GW08	05/26/10	3n_500mL Plastic, HNO3	EPA 3010A	Add HNO3 to pH<2	Water	6/16/2010	
1005187-10RE1 E	BBG-GW07	05/27/10	3n_500mL Plastic, HNO3	EPA 3010A	Add HNO3 to pH<2	Water	6/16/2010	
1005187-11RE1 E	EB1-052710	05/27/10	3n_500mL Plastic, HNO3	EPA 3010A	Add HNO3 to pH<2	Water	6/16/2010	
1005187-12RE1 E	BBG-GW04	05/27/10	3n_500mL Plastic, HNO3	EPA 3010A	Add HNO3 to pH<2	Water	6/16/2010	
1005187-13RE1 E	BBG-GW03UCH	05/27/10	3n_500mL Plastic, HNO3	EPA 3010A	Add HNO3 to pH<2	Water	6/16/2010	5/28/2010
1005187-14RE1 L	BBG-GW02	05/27/10	3n_500mL Plastic, HNO3	EPA 3010A	Add HNO3 to pH<2	Water	6/16/2010	5/28/2010
1005187-15RE1 E	EB2-052710	05/27/10	3n_500mL Plastic, HNO3	EPA 3010A	Add HNO3 to pH<2	Water	6/16/2010	
1005187-16RE1 E	EB3-052710	05/27/10	3n_500mL Plastic, HNO3	EPA 3010A	Add HNO3 to pH<2	Water	6/16/2010	

ambient	6/17/10 0822	Diane Dyrd	6/17/10 0822
Relinquished By	Date/Time	Received By	Date/Time
Diane Dyrd	6/17/10 0822	D. Dickens	6/17/10 0822
Relinquished By	Date/Time	Received By	Date/Time
D. Dickens	6-17-10 1330	Ambient	6-17-10 1330
Relinquished By	Date/Time	Received By	Date/Time
		6/21/10	
Relinquished By	Date/Time	Received By	Date/Time

CompuChem

A Division Of

Liberty Analytical Corp.

7/21/2010

REBEKHA SHAW

CH2M HILL, INC.

5700 CLEVELAND STREET, SUITE 101

VIRGINIA BEACH, VA 23462

Subject:

Report of Data - Project: CTO-094 MCB CAMP LEJEUNE/395307.S. WorkOrder: 1005187

Attn.: REBEKHA SHAW

Enclosed are the results of analytical work performed in accordance with the referenced account number. This report covers sample(s) appearing on the listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097

Sincerely,

Compuchem

a division of Liberty Analytical Corporation

Attachment

TOTAL NUMBER

OF PAGES _____

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

CompuChem, a division of Liberty Analytical

Client: CH2M HILL, INC. **Work:** 1005187

Project CTO-094 MCB CAMP LEJEUNE/395307.SA.DM **Sdg:** 1005187

Lab ID	Client ID	Matrix	Date Sampled	Date Received
1005187-01	BBG-GW10	Water	05/24/2010 13:30	05/24/2010 16:15
1005187-02	FB-052510	Water	05/25/2010 09:40	05/25/2010 20:25
1005187-03	BBG-GW01	Water	05/25/2010 10:10	05/25/2010 20:25
1005187-04	EB1-052510	Water	05/25/2010 17:00	05/25/2010 20:25
1005187-05	BBG-GW03	Water	05/25/2010 16:35	05/25/2010 20:25
1005187-06	EB2-052510	Water	05/25/2010 10:35	05/25/2010 20:25
1005187-07	BBG-GW09	Water	05/26/2010 11:30	05/26/2010 19:45
1005187-08	BBG-GW09D	Water	05/26/2010 11:35	05/26/2010 19:45
1005187-09	BBG-GW08	Water	05/26/2010 14:45	05/26/2010 19:45
1005187-10	BBG-GW07	Water	05/27/2010 08:30	05/27/2010 20:05
1005187-11	EB1-052710	Water	05/27/2010 15:25	05/27/2010 20:05
1005187-12	BBG-GW04	Water	05/27/2010 11:30	05/27/2010 20:05
1005187-13	BBG-GW03UCH	Water	05/27/2010 14:10	05/27/2010 20:05
1005187-14	BBG-GW02	Water	05/27/2010 14:00	05/27/2010 20:05
1005187-15	EB2-052710	Water	05/27/2010 15:45	05/27/2010 20:05
1005187-16	EB3-052710	Water	05/27/2010 15:45	05/27/2010 20:05

CompuChem, a Division of Liberty Analytical Corporation

I. SAMPLE DATA SUMMARY PACKAGE

GC by SW-846

The sample data summary package shall contain data for all samples in one Sample Delivery Group (SDG) of the Case, as follows:

A. SDG Narrative

B. Tabulated target compound results (Form I)

C. Surrogate spike analysis results (Form II)
By matrix (Water or Soil), and
by concentration (Low, or Medium)

D. Spike results MS / MSD / LCS (Form III)

E. Blank data (Form IV)
Tabulated blank results (Form I)

LAB CODE: LIBRTY

METHOD: 8081B

SDG #: 1005187

A. SDG Narrative

CompuChem

a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG # 1005187
PROTOCOL: SW-846

SAMPLE IDENTIFICATIONS: BBG-GW01, BBG-GW02, BBG-GW03, BBG-GW03UCH, BBG-GW04, BBG-GW07, BBG-GW08, BBG-GW09, BBG-GW09D, BBG-GW10, EB1-052510, EB1-052710, EB2-052510, EB2-052710, EB3-052710, FB-052510

The sixteen water samples listed above were received intact, refrigerated between 0.7 and 5.1°C, with proper documentation, in sealed shipping containers, on May 24th, 25th, 26th, and 27th, 2010. The samples were scheduled for the requested analysis of the Pesticide fraction only. SW-846, 3rd Edition, Update 4, Method 8081B was used to prepare and analyze the samples, with the exceptions and/or additions requested by the client. All pertinent Quality Assurance notices are included in the narrative section and all pertinent Laboratory notices for SDG # 1005187 are included in the sample data sections.

Pesticide

Extraction and analysis holding time requirements were met for the samples.

No target analytes confirmed above the reporting limits in the samples. Manual integrations performed on the samples within this SDG are documented on a spreadsheet after the narrative.

All QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All surrogate recoveries were with the method specified limits.

The method blank associated with the samples met all quality control criteria.

Duplicate matrix spike samples were performed with sample BBG-GW02, and met recovery and precision criteria, with the exceptions of the recovery of Endrin aldehyde in the MS. The Laboratory Control Samples (LCS/LCSD) prepared and analyzed with the samples met recovery and precision criteria.

An uncertainty of these test results may be estimated from the recovery of the surrogates added to the sample prior to sample preparation or from the recovery of spiked compound(s) in the associated laboratory control sample. Further information is available upon request.

I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on CD has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Teresa Amentt Jennings

Teresa Amentt Jennings
GC/HPLC Data Reviewer
June 21, 2010

Manual Integrations									
SDG:	1005187								
Sample(s)	BBG-GW09	BBG-GW07	BBG-GW03UCH	EB3-052710					
Compound									
alpha-BHC									
gamma-BHC									
beta-BHC									
delta-BHC									
Heptachlor									
Aldrin									
Heptachlor Epoxide									
gamma-Chlordane									
alpha-Chlordane									
Endosulfan I			X						
4,4'-DDE									
Dieldrin	X		X						
Endrin									
4,4'-DDD									
Endosulfan II									
4,4'-DDT	X	X		X					
Endrin Aldehyde									
Endosulfan sulfate									
Methoxychlor									
Endrin Ketone									
Toxaphene									
Technical Chordane									
Tetrachloro-m-xylene									
Decachlorbiphenyl									
"X" Denotes a manual integration for the compound									

GC and GC/MS Column and Trap Specifications Table

SDG #: 1005187

COLUMNS

Columns Utilized	Brand Name	Coating Material	ID (mm)	Film Thickness (um)	Length (m)
	GC Laboratory				
	Restek	RTX-5	0.53	1.0	30
	Restek	RTX-SMS	0.53	1.0	30
✓	Restek	clpest	0.32	0.5	30
✓	Restek	clpest2	0.32	0.42	30
	J&W	DB-210	0.53	1.0	30
	J&W	GS-GASPRO	0.32	N/A	30
	GC Volatiles Laboratory				
	Restek	RTX-Volatiles	0.53	2.0	30
	GC/MS Volatiles Laboratory				
	Restek	RTX-VMS	0.18	1.0	20
	Supelco	SPB-624	0.32	1.8	60
	Supelco	SPB-624	0.53	3.0	75
	Phenomonex	ZB-624	0.32	1.8	60
	GC/MS Semivolatiles Laboratory				
	Restek	RTX-5MS	0.32	0.25	30
	HPLC Laboratory				
	Supelco	Supelcosil LC-PAH	4.6	5.0	15 cm
	Supelco	Discovery RP Amide C16	4.6	5.0	25 cm
	Restek	Pinnacle Cyano	4.6	5.0	25 cm
	Restek	Allure C18	4.6	5.0	25 cm

TRAPS

	GC and GC/MS Volatiles Laboratory	
	Supelco J (BETXTRAP™)	* 7.7 cm Carbopack C
		* 1.2 cm Carbopack B
	Supelco K (Vocarb3000)	* 10 cm of Carbopack B (Graphitized Carbons)
		* 6 cm of Carboxen 1000 (Carbon molecular sieves)
		* 1 cm of Carboxen 1001 (Carbon molecular sieves)

Rev. 28

CompuChem

a division of Liberty Analytical Corporation

CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.).

Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC chemists. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC analysis. The manual editing/integration flags are:

M - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak.

H - Denotes that the data reviewer, GC/MS operator, or GC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

MH - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.

L - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

The EPA CLP SOW documents require additional explanations for manual editing/integration. In the accompanying raw data packages, additional codes have been applied to the "M" flag and carry the following meanings;

M1 - The compound was not found by the automatic integration routine.

M2 - The compound was incorrectly integrated by the automatic integration routine.

M3 - The co-eluting compounds were incorrectly integrated by the automatic integration routine.

These codes will appear in the GC/MS and GC raw data.

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DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each compound. The qualifiers used are:

U : This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J : This flag indicates an estimated value. The flag is used as detailed below:

1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1:1 is assumed for the TIC analyte,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide and/or Aroclor or other GC or HPLC identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.

N : This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search and must be used with the J flag. For generic characterization of a TIC such as "chlorinated hydrocarbon" (or for an "unknown," with no matches ≥ 85% in the SOM01.2 SOW document), the N flag is not used.

P : In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the Form I and flagged with a P.
For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the lower of the two values is reported and flagged with a P. When the RPD is equal to or less than 40%, our policy is to also report the lower of the two values, although the choice could be a project specific issue. These SW-846 policies are consistent with Method 8000C. If Method 8000B is required, the higher of the two values is reported. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

DATA REPORTING QUALIFIERS (continued)

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis. If one or more compounds have a concentration greater than the upper level of the calibration range, the sample or extract will be diluted and reanalyzed. All such compounds with a concentration greater than the upper level of the calibration range will have the result flagged with an E on Form I for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration of an analyte exceeds the upper calibration range, the DL suffix is appended to the sample number on the Form I for the more diluted sample, and **all** reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.

NOTE 1: The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.

NOTE 2: Separate Forms I are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses are not combined on a single Form I.

A: This flag indicates that a TIC is a suspected aldol-condensation product.

S: In the SOM01.2 SOW document, this flag is used to indicate an estimated value for Aroclor target compounds where a valid 5-point initial calibration was not performed prior to the analytes detection in a sample. If an "S" flag is used for a specific Aroclor, then a reanalysis of the sample is required after a valid 5-point calibration is performed for the detected Aroclor.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y, and Z.

B. Form I

Organic Analysis Data Sheet (OADS)
- All samples in alphanumeric order
- Matrix Spike/Matrix Spike Duplicate
- Laboratory Control Sample(s)

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBG-GW01

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 1005187-03

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/25/10

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/27/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.0054	JP
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBG-GW02

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 1005187-14

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/27/10

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/28/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/06/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBG-GW02MS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 0052803-MS1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/27/10

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/28/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/06/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.088	
319-85-7	beta-BHC	0.13	
319-84-6	alpha-BHC	0.16	
319-86-8	delta-BHC	0.17	
58-89-9	gamma-BHC (Lindane)	0.14	
72-54-8	4,4'-DDD	0.38	
72-55-9	4,4'-DDE	0.36	
50-29-3	4,4'-DDT	0.31	
60-57-1	Dieldrin	0.39	
959-98-8	Endosulfan I	0.14	
33213-65-9	Endosulfan II	0.38	
1031-07-8	Endosulfan sulfate	0.35	
72-20-8	Endrin	0.38	
7421-93-4	Endrin Aldehyde	0.20	
76-44-8	Heptachlor	0.12	
1024-57-3	Heptachlor Epoxide	0.16	
72-43-5	Methoxychlor	0.39	J
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.39	
5103-74-2	gamma-Chlordane	0.15	
5103-71-9	alpha-Chlordane	0.16	

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBG-GW02MSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 0052803-MSD1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/27/10

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/28/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/06/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.083	
319-85-7	beta-BHC	0.15	
319-84-6	alpha-BHC	0.16	
319-86-8	delta-BHC	0.17	
58-89-9	gamma-BHC (Lindane)	0.15	
72-54-8	4,4'-DDD	0.38	
72-55-9	4,4'-DDE	0.37	
50-29-3	4,4'-DDT	0.33	
60-57-1	Dieldrin	0.39	
959-98-8	Endosulfan I	0.14	
33213-65-9	Endosulfan II	0.37	
1031-07-8	Endosulfan sulfate	0.35	
72-20-8	Endrin	0.38	
7421-93-4	Endrin Aldehyde	0.24	
76-44-8	Heptachlor	0.12	
1024-57-3	Heptachlor Epoxide	0.16	
72-43-5	Methoxychlor	0.40	J
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.39	
5103-74-2	gamma-Chlordane	0.15	
5103-71-9	alpha-Chlordane	0.16	

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBG-GW03

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 1005187-05

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/25/10

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/27/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

FORM I PEST

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBG-GW03UCH

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 1005187-13

Sample wt/vol: 975.0 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/27/10

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/28/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/06/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.051	U
319-85-7	beta-BHC	0.051	U
319-84-6	alpha-BHC	0.051	U
319-86-8	delta-BHC	0.051	U
58-89-9	gamma-BHC (Lindane)	0.051	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.0061	JP
60-57-1	Dieldrin	0.0065	JP
959-98-8	Endosulfan I	0.013	JP
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.051	U
1024-57-3	Heptachlor Epoxide	0.051	U
72-43-5	Methoxychlor	0.51	U
8001-35-2	Toxaphene	2.6	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.051	U
5103-71-9	alpha-Chlordane	0.0078	JP

FORM I PEST

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBG-GW04

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 1005187-12

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/27/10

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/28/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/06/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.056	U
319-85-7	beta-BHC	0.056	U
319-84-6	alpha-BHC	0.056	U
319-86-8	delta-BHC	0.056	U
58-89-9	gamma-BHC (Lindane)	0.056	U
72-54-8	4,4'-DDD	0.11	U
72-55-9	4,4'-DDE	0.11	U
50-29-3	4,4'-DDT	0.11	U
60-57-1	Dieldrin	0.11	U
959-98-8	Endosulfan I	0.056	U
33213-65-9	Endosulfan II	0.0075	J
1031-07-8	Endosulfan sulfate	0.11	U
72-20-8	Endrin	0.11	U
7421-93-4	Endrin Aldehyde	0.11	U
76-44-8	Heptachlor	0.056	U
1024-57-3	Heptachlor Epoxide	0.0068	JP
72-43-5	Methoxychlor	0.56	U
8001-35-2	Toxaphene	2.8	U
53494-70-5	Endrin Ketone	0.11	U
5103-74-2	gamma-Chlordane	0.056	U
5103-71-9	alpha-Chlordane	0.056	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBG-GW07

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 1005187-10

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/27/10

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/28/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/06/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.0055	JP
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBG-GW08

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 1005187-09

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/26/10

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/28/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/06/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBG-GW09

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 1005187-07

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/26/10

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/28/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/06/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.0053	JP
60-57-1	Dieldrin	0.0028	J
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

FORM I PEST

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBG-GW09D

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 1005187-08

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/26/10

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/28/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/06/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBG-GW10

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 1005187-01

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/24/10

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/27/10

Concentrated Extract Volume: 2500(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EB1-052510

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 1005187-04

Sample wt/vol: 975.0 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/25/10

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/27/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.051	U
319-85-7	beta-BHC	0.0065	J
319-84-6	alpha-BHC	0.051	U
319-86-8	delta-BHC	0.051	U
58-89-9	gamma-BHC (Lindane)	0.051	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.051	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.051	U
1024-57-3	Heptachlor Epoxide	0.051	U
72-43-5	Methoxychlor	0.51	U
8001-35-2	Toxaphene	2.6	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.051	U
5103-71-9	alpha-Chlordane	0.051	U

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GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EB1-052710

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 1005187-11

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/27/10

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/28/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/06/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.0076	JP
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

FORM I PEST

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EB2-052510

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 1005187-06

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/25/10

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/27/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.056	U
319-85-7	beta-BHC	0.056	U
319-84-6	alpha-BHC	0.056	U
319-86-8	delta-BHC	0.056	U
58-89-9	gamma-BHC (Lindane)	0.056	U
72-54-8	4,4'-DDD	0.11	U
72-55-9	4,4'-DDE	0.11	U
50-29-3	4,4'-DDT	0.11	U
60-57-1	Dieldrin	0.11	U
959-98-8	Endosulfan I	0.056	U
33213-65-9	Endosulfan II	0.11	U
1031-07-8	Endosulfan sulfate	0.11	U
72-20-8	Endrin	0.11	U
7421-93-4	Endrin Aldehyde	0.11	U
76-44-8	Heptachlor	0.056	U
1024-57-3	Heptachlor Epoxide	0.056	U
72-43-5	Methoxychlor	0.56	U
8001-35-2	Toxaphene	2.8	U
53494-70-5	Endrin Ketone	0.11	U
5103-74-2	gamma-Chlordane	0.056	U
5103-71-9	alpha-Chlordane	0.056	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EB2-052710

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 1005187-15

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/27/10

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/28/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/06/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.0064	J
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EB3-052710

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 1005187-16

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/27/10

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/28/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/06/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.056	U
319-85-7	beta-BHC	0.021	JP
319-84-6	alpha-BHC	0.056	U
319-86-8	delta-BHC	0.016	J
58-89-9	gamma-BHC (Lindane)	0.056	U
72-54-8	4,4'-DDD	0.11	U
72-55-9	4,4'-DDE	0.11	U
50-29-3	4,4'-DDT	0.043	J
60-57-1	Dieldrin	0.11	U
959-98-8	Endosulfan I	0.056	U
33213-65-9	Endosulfan II	0.11	U
1031-07-8	Endosulfan sulfate	0.11	U
72-20-8	Endrin	0.11	U
7421-93-4	Endrin Aldehyde	0.11	U
76-44-8	Heptachlor	0.056	U
1024-57-3	Heptachlor Epoxide	0.021	J
72-43-5	Methoxychlor	0.56	U
8001-35-2	Toxaphene	2.8	U
53494-70-5	Endrin Ketone	0.11	U
5103-74-2	gamma-Chlordane	0.0095	JP
5103-71-9	alpha-Chlordane	0.056	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB-052510

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 1005187-02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/25/10

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/27/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDCLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 0052703-BS1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/27/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.11	
319-85-7	beta-BHC	0.14	
319-84-6	alpha-BHC	0.16	
319-86-8	delta-BHC	0.17	
58-89-9	gamma-BHC (Lindane)	0.14	
72-54-8	4,4'-DDD	0.38	
72-55-9	4,4'-DDE	0.36	
50-29-3	4,4'-DDT	0.33	
60-57-1	Dieldrin	0.39	
959-98-8	Endosulfan I	0.14	
33213-65-9	Endosulfan II	0.37	
1031-07-8	Endosulfan sulfate	0.35	
72-20-8	Endrin	0.36	
7421-93-4	Endrin Aldehyde	0.27	
76-44-8	Heptachlor	0.15	
1024-57-3	Heptachlor Epoxide	0.16	
72-43-5	Methoxychlor	0.39	J
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.39	
5103-74-2	gamma-Chlordane	0.15	
5103-71-9	alpha-Chlordane	0.16	

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDCLCSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 0052703-BSD1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/27/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.12	
319-85-7	beta-BHC	0.15	
319-84-6	alpha-BHC	0.16	
319-86-8	delta-BHC	0.17	
58-89-9	gamma-BHC (Lindane)	0.15	
72-54-8	4,4'-DDD	0.39	
72-55-9	4,4'-DDE	0.37	
50-29-3	4,4'-DDT	0.35	
60-57-1	Dieldrin	0.40	
959-98-8	Endosulfan I	0.15	
33213-65-9	Endosulfan II	0.38	
1031-07-8	Endosulfan sulfate	0.36	
72-20-8	Endrin	0.38	
7421-93-4	Endrin Aldehyde	0.26	
76-44-8	Heptachlor	0.15	
1024-57-3	Heptachlor Epoxide	0.17	
72-43-5	Methoxychlor	0.40	J
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.40	
5103-74-2	gamma-Chlordane	0.15	
5103-71-9	alpha-Chlordane	0.17	

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDNLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 0052803-BS1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/28/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/06/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.12	
319-85-7	beta-BHC	0.15	
319-84-6	alpha-BHC	0.16	
319-86-8	delta-BHC	0.17	
58-89-9	gamma-BHC (Lindane)	0.15	
72-54-8	4,4'-DDD	0.38	
72-55-9	4,4'-DDE	0.37	
50-29-3	4,4'-DDT	0.35	
60-57-1	Dieldrin	0.40	
959-98-8	Endosulfan I	0.14	
33213-65-9	Endosulfan II	0.37	
1031-07-8	Endosulfan sulfate	0.35	
72-20-8	Endrin	0.37	
7421-93-4	Endrin Aldehyde	0.24	
76-44-8	Heptachlor	0.14	
1024-57-3	Heptachlor Epoxide	0.17	
72-43-5	Methoxychlor	0.39	J
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.39	
5103-74-2	gamma-Chlordane	0.15	
5103-71-9	alpha-Chlordane	0.16	

FORM I PEST

C. Form II

Surrogate spike analysis

- By level (low, medium) -

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

GC Column(1): CLPEST ID: 0.32 (mm) GC Column(2): CLPEST2 ID: 0.32 (mm)

	EPA SAMPLE NO.	S1 1 %REC #	S1 2 %REC #	TCX 1 %REC #	TCX 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLKDC	86	91	91	90			0
02	PDCLCS	84	89	89	87			0
03	PDCLCSD	83	87	86	85			0
04	BBG-GW10	37	37	41	40			0
05	FB-052510	74	76	77	86			0
06	BBG-GW01	46	43	85	86			0
07	EB1-052510	45	44	77	89			0
08	BBG-GW03	66	67	89	88			0
09	EB2-052510	71	72	84	91			0
10	PBLKDN	90	89	81	80			0
11	PDNLCS	85	88	85	85			0
12	BBG-GW02MS	84	84	83	84			0
13	BBG-GW02MSD	85	86	81	83			0
14	BBG-GW09	45	43	84	84			0
15	BBG-GW09D	51	49	82	82			0
16	BBG-GW08	68	67	84	84			0
17	BBG-GW07	74	74	79	80			0
18	EB1-052710	83	85	77	80			0
19	BBG-GW04	66	65	84	84			0
20	BBG-GW03UCH	67	65	71	70			0
21	BBG-GW02	82	81	79	82			0
22	EB2-052710	85	88	76	78			0
23	EB3-052710	74	66	78	73			0
24								
25								
26								
27								
28								
29								
30								

ADVISORY QC LIMITS

S1 = Decachlorobiphenyl (30-135)
S2 (TCX) = Tetrachloro-m-Xylene (25-140)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

D. Form III

Matrix Spike/Matrix Spike Duplicate results
- By level (low, medium) -
Laboratory Control Sample(s)

3E

WATER PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix Spike - EPA Sample No.: BBG-GW02

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Aldrin	0.15	0.0	0.088	59	25-140
beta-BHC	0.15	0.0	0.13	87	65-125
alpha-BHC	0.15	0.0	0.16	107	60-130
delta-BHC	0.15	0.0	0.17	113	45-135
gamma-BHC (Lindane)	0.15	0.0	0.14	93	25-135
4,4'-DDD	0.38	0.0	0.38	100	25-150
4,4'-DDE	0.38	0.0	0.36	95	35-140
4,4'-DDT	0.38	0.0	0.31	82	45-140
Dieldrin	0.38	0.0	0.39	103	60-130
Endosulfan I	0.15	0.0	0.14	93	50-110
Endosulfan II	0.38	0.0	0.38	100	30-130
Endosulfan sulfate	0.38	0.0	0.35	92	55-135
Endrin	0.38	0.0	0.38	100	55-135
Endrin Aldehyde	0.38	0.0	0.20	53*	55-135
Heptachlor	0.15	0.0	0.12	80	40-130
Heptachlor Epoxide	0.15	0.0	0.16	107	60-130
Methoxychlor	0.38	0.0	0.39	103	55-150
Endrin Ketone	0.38	0.0	0.39	103	75-125
gamma-Chlordane	0.15	0.0	0.15	100	60-125
alpha-Chlordane	0.15	0.0	0.16	107	65-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

3E

WATER PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix Spike - EPA Sample No.: BBG-GW02

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aldrin	0.15	0.083	55	6	40	25-140
beta-BHC	0.15	0.15	100	14	40	65-125
alpha-BHC	0.15	0.16	107	0	40	60-130
delta-BHC	0.15	0.17	113	0	40	45-135
gamma-BHC (Lindane)	0.15	0.15	100	7	40	25-135
4,4'-DDD	0.38	0.38	100	0	40	25-150
4,4'-DDE	0.38	0.37	97	3	40	35-140
4,4'-DDT	0.38	0.33	87	6	40	45-140
Dieldrin	0.38	0.39	103	0	40	60-130
Endosulfan I	0.15	0.14	93	0	40	50-110
Endosulfan II	0.38	0.37	97	3	40	30-130
Endosulfan sulfate	0.38	0.35	92	0	40	55-135
Endrin	0.38	0.38	100	0	40	55-135
Endrin Aldehyde	0.38	0.24	63	18	40	55-135
Heptachlor	0.15	0.12	80	0	40	40-130
Heptachlor Epoxide	0.15	0.16	107	0	40	60-130
Methoxychlor	0.38	0.40	105	2	40	55-150
Endrin Ketone	0.38	0.39	103	0	40	75-125
gamma-Chlordane	0.15	0.15	100	0	40	60-125
alpha-Chlordane	0.15	0.16	107	0	40	65-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits
Spike Recovery: 1 out of 40 outside limits

COMMENTS: _____

3E
WATER PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

LCS ID: PDCLCS Matrix Spike - EPA Sample No.: PDCLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Aldrin	0.15		0.11	73	25-140
beta-BHC	0.15		0.14	93	65-125
alpha-BHC	0.15		0.16	107	60-130
delta-BHC	0.15		0.17	113	45-135
gamma-BHC (Lindane)	0.15		0.14	93	25-135
4,4'-DDD	0.38		0.38	100	25-150
4,4'-DDE	0.38		0.36	95	35-140
4,4'-DDT	0.38		0.33	87	45-140
Dieldrin	0.38		0.39	103	60-130
Endosulfan I	0.15		0.14	93	50-110
Endosulfan II	0.38		0.37	97	30-130
Endosulfan sulfate	0.38		0.35	92	55-135
Endrin	0.38		0.36	95	55-135
Endrin Aldehyde	0.38		0.27	71	55-135
Heptachlor	0.15		0.15	100	40-130
Heptachlor Epoxide	0.15		0.16	107	60-130
Methoxychlor	0.38		0.39	103	55-150
Endrin Ketone	0.38		0.39	103	75-125
gamma-Chlordane	0.15		0.15	100	60-125
alpha-Chlordane	0.15		0.16	107	65-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

3E
WATER PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

LCS ID: PDCLCS Matrix Spike - EPA Sample No.: PDCLCS

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aldrin	0.15	0.12	80	9	40	25-140
beta-BHC	0.15	0.15	100	7	40	65-125
alpha-BHC	0.15	0.16	107	0	40	60-130
delta-BHC	0.15	0.17	113	0	40	45-135
gamma-BHC (Lindane)	0.15	0.15	100	7	40	25-135
4,4'-DDD	0.38	0.39	103	2	40	25-150
4,4'-DDE	0.38	0.37	97	3	40	35-140
4,4'-DDT	0.38	0.35	92	6	40	45-140
Dieldrin	0.38	0.40	105	2	40	60-130
Endosulfan I	0.15	0.15	100	7	40	50-110
Endosulfan II	0.38	0.38	100	3	40	30-130
Endosulfan sulfate	0.38	0.36	95	3	40	55-135
Endrin	0.38	0.38	100	5	40	55-135
Endrin Aldehyde	0.38	0.26	68	4	40	55-135
Heptachlor	0.15	0.15	100	0	40	40-130
Heptachlor Epoxide	0.15	0.17	113	6	40	60-130
Methoxychlor	0.38	0.40	105	2	40	55-150
Endrin Ketone	0.38	0.40	105	2	40	75-125
gamma-Chlordane	0.15	0.15	100	0	40	60-125
alpha-Chlordane	0.15	0.17	113	6	40	65-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits
Spike Recovery: 0 out of 40 outside limits

COMMENTS: _____

3E
WATER PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

LCS ID: PDNLCS

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Aldrin	0.15	0.12	80	25-140
beta-BHC	0.15	0.15	100	65-125
alpha-BHC	0.15	0.16	110	60-130
delta-BHC	0.15	0.17	110	45-135
gamma-BHC (Lindane)	0.15	0.15	100	25-135
4,4'-DDD	0.38	0.38	100	25-150
4,4'-DDE	0.38	0.37	97	35-140
4,4'-DDT	0.38	0.35	92	45-140
Dieldrin	0.38	0.40	110	60-130
Endosulfan I	0.15	0.14	93	50-110
Endosulfan II	0.38	0.37	97	30-130
Endosulfan sulfate	0.38	0.35	92	55-135
Endrin	0.38	0.37	97	55-135
Endrin Aldehyde	0.38	0.24	63	55-135
Heptachlor	0.15	0.14	93	40-130
Heptachlor Epoxide	0.15	0.17	110	60-130
Methoxychlor	0.38	0.39	100	55-150
Endrin Ketone	0.38	0.39	100	75-125
gamma-Chlordane	0.15	0.15	100	60-125
alpha-Chlordane	0.15	0.16	110	65-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS: _____

E. Form IV

Method Blank Results
Form IV, Form I

Method blank summary, OADS,
- In chronological order of analysis

4C

EPA SAMPLE NO.

PESTICIDE METHOD BLANK SUMMARY

PBLKDC

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab Sample ID: 0052703-BLK1 Lab File ID: 257J0052703-BLK1

Matrix (soil/water) WATER Extraction:(SepF/Cont/Sonc) SEPF

Sulfur Cleanup (Y/N) N Date Extracted: 05/27/10

Date Analyzed (1): 06/05/10 Date Analyzed (2): 06/05/10

Time Analyzed (1): 1950 Time Analyzed (2): 1950

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column (1): CLPEST ID: 0.32(mm) GC Column (2): CLPEST2 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PDCLCS	0052703-BS1	06/05/10	06/05/10
02	PDCLCSD	0052703-BSD1	06/05/10	06/05/10
03	BBG-GW10	1005187-01	06/05/10	06/05/10
04	FB-052510	1005187-02	06/05/10	06/05/10
05	BBG-GW01	1005187-03	06/05/10	06/05/10
06	EB1-052510	1005187-04	06/05/10	06/05/10
07	BBG-GW03	1005187-05	06/05/10	06/05/10
08	EB2-052510	1005187-06	06/05/10	06/05/10
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: _____

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKDC

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 0052703-BLK1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/27/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLKDN

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab Sample ID: 0052803-BLK1 Lab File ID: 270J0052803-BLK1

Matrix (soil/water) WATER Extraction:(SepF/Cont/Sonc) SEPF

Sulfur Cleanup (Y/N) N Date Extracted: 05/28/10

Date Analyzed (1): 06/06/10 Date Analyzed (2): 06/06/10

Time Analyzed (1): 0206 Time Analyzed (2): 0206

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column (1): CLPEST ID: 0.32(mm) GC Column (2): CLPEST2 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PDNLCS	0052803-BS1	06/06/10	06/06/10
02	BBG-GW02MS	0052803-MS1	06/06/10	06/06/10
03	BBG-GW02MSD	0052803-MSD1	06/06/10	06/06/10
04	BBG-GW09	1005187-07	06/06/10	06/06/10
05	BBG-GW09D	1005187-08	06/06/10	06/06/10
06	BBG-GW08	1005187-09	06/06/10	06/06/10
07	BBG-GW07	1005187-10	06/06/10	06/06/10
08	EB1-052710	1005187-11	06/06/10	06/06/10
09	BBG-GW04	1005187-12	06/06/10	06/06/10
10	BBG-GW03UCH	1005187-13	06/06/10	06/06/10
11	BBG-GW02	1005187-14	06/06/10	06/06/10
12	EB2-052710	1005187-15	06/06/10	06/06/10
13	EB3-052710	1005187-16	06/06/10	06/06/10
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: _____

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKDN

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 0052803-BLK1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/28/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/06/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

CompuChem, a Division of Liberty Analytical Corporation

I. SAMPLE DATA PACKAGE

GC by SW-846

The sample data package shall include data for all analyses of all samples in one Sample Delivery Group (SDG), including field samples, dilutions, reanalysis, blanks, matrix spikes, matrix spike duplicates, and laboratory control samples. The sample data package consists of the following:

A. SDG Narrative

B. Chain-of-Custody Documentation

C. SDG Data

LAB CODE: LIBRTY

METHOD: 8081B

SDG #: 1005187

A. SDG Narrative

CompuChem

a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG # 1005187
PROTOCOL: SW-846

SAMPLE IDENTIFICATIONS: BBG-GW01, BBG-GW02, BBG-GW03, BBG-GW03UCH, BBG-GW04, BBG-GW07, BBG-GW08, BBG-GW09, BBG-GW09D, BBG-GW10, EB1-052510, EB1-052710, EB2-052510, EB2-052710, EB3-052710, FB-052510

The sixteen water samples listed above were received intact, refrigerated between 0.7 and 5.1°C, with proper documentation, in sealed shipping containers, on May 24th, 25th, 26th, and 27th, 2010. The samples were scheduled for the requested analysis of the Pesticide fraction only. SW-846, 3rd Edition, Update 4, Method 8081B was used to prepare and analyze the samples, with the exceptions and/or additions requested by the client. All pertinent Quality Assurance notices are included in the narrative section and all pertinent Laboratory notices for SDG # 1005187 are included in the sample data sections.

Pesticide

Extraction and analysis holding time requirements were met for the samples.

No target analytes confirmed above the reporting limits in the samples. Manual integrations performed on the samples within this SDG are documented on a spreadsheet after the narrative.

All QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All surrogate recoveries were with the method specified limits.

The method blank associated with the samples met all quality control criteria.

Duplicate matrix spike samples were performed with sample BBG-GW02, and met recovery and precision criteria, with the exceptions of the recovery of Endrin aldehyde in the MS. The Laboratory Control Samples (LCS/LCSD) prepared and analyzed with the samples met recovery and precision criteria.

An uncertainty of these test results may be estimated from the recovery of the surrogates added to the sample prior to sample preparation or from the recovery of spiked compound(s) in the associated laboratory control sample. Further information is available upon request.

I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on CD has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Teresa Amentt Jennings
GC/HPLC Data Reviewer
June 21, 2010

Manual Integrations									
SDG:	1005187								
Sample(s)	BBG-GW09	BBG-GW07	BBG-GW03UCH	EB3-052710					
Compound									
alpha-BHC									
gamma-BHC									
beta-BHC									
delta-BHC									
Heptachlor									
Aldrin									
Heptachlor Epoxide									
gamma-Chlordane									
alpha-Chlordane									
Endosulfan I			X						
4,4'-DDE									
Dieldrin	X		X						
Endrin									
4,4'-DDD									
Endosulfan II									
4,4'-DDT	X	X		X					
Endrin Aldehyde									
Endosulfan sulfate									
Methoxychlor									
Endrin Ketone									
Toxaphene									
Technical Chordane									
Tetrachloro-m-xylene									
Decachlorbiphenyl									
"X" Denotes a manual integration for the compound									

GC and GC/MS Column and Trap Specifications Table

SDG #: 1005187

COLUMNS

Columns Utilized	Brand Name	Coating Material	ID (mm)	Film Thickness (um)	Length (m)
	GC Laboratory				
	Restek	RTX-5	0.53	1.0	30
	Restek	RTX-SMS	0.53	1.0	30
✓	Restek	clpest	0.32	0.5	30
✓	Restek	clpest2	0.32	0.42	30
	J&W	DB-210	0.53	1.0	30
	J&W	GS-GASPRO	0.32	N/A	30
	GC Volatiles Laboratory				
	Restek	RTX-Volatiles	0.53	2.0	30
	GC/MS Volatiles Laboratory				
	Restek	RTX-VMS	0.18	1.0	20
	Supelco	SPB-624	0.32	1.8	60
	Supelco	SPB-624	0.53	3.0	75
	Phenomonex	ZB-624	0.32	1.8	60
	GC/MS Semivolatiles Laboratory				
	Restek	RTX-5MS	0.32	0.25	30
	HPLC Laboratory				
	Supelco	Supelcosil LC-PAH	4.6	5.0	15 cm
	Supelco	Discovery RP Amide C16	4.6	5.0	25 cm
	Restek	Pinnacle Cyano	4.6	5.0	25 cm
	Restek	Allure C18	4.6	5.0	25 cm

TRAPS

GC and GC/MS Volatiles Laboratory		
Supelco J (BETXTRAP™)	* 7.7 cm Carbopack C	
	* 1.2 cm Carbopack B	
Supelco K (Vocarb3000)	* 10 cm of Carbopack B (Graphitized Carbons)	
	* 6 cm of Carboxen 1000 (Carbon molecular sieves)	
	* 1 cm of Carboxen 1001 (Carbon molecular sieves)	

Rev. 28

CompuChem

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CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.).

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Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC chemists. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC analysis. The manual editing/integration flags are:

M - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak.

H - Denotes that the data reviewer, GC/MS operator, or GC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

MH - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.

L - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

The EPA CLP SOW documents require additional explanations for manual editing/integration. In the accompanying raw data packages, additional codes have been applied to the "M" flag and carry the following meanings;

M1 - The compound was not found by the automatic integration routine.

M2 - The compound was incorrectly integrated by the automatic integration routine.

M3 - The co-eluting compounds were incorrectly integrated by the automatic integration routine.

These codes will appear in the GC/MS and GC raw data.

Revision 7 (12/6/2005)

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DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each compound. The qualifiers used are:

U : This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J : This flag indicates an estimated value. The flag is used as detailed below:

1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1:1 is assumed for the TIC analyte,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide and/or Aroclor or other GC or HPLC identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.

N : This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search and must be used with the J flag. For generic characterization of a TIC such as "chlorinated hydrocarbon" (or for an "unknown," with no matches ≥ 85% in the SOM01.2 SOW document), the N flag is not used.

P : In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the Form I and flagged with a P.
For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the lower of the two values is reported and flagged with a P. When the RPD is equal to or less than 40%, our policy is to also report the lower of the two values, although the choice could be a project specific issue. These SW-846 policies are consistent with Method 8000C. If Method 8000B is required, the higher of the two values is reported. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

DATA REPORTING QUALIFIERS (continued)

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis. If one or more compounds have a concentration greater than the upper level of the calibration range, the sample or extract will be diluted and reanalyzed. All such compounds with a concentration greater than the upper level of the calibration range will have the result flagged with an E on Form I for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration of an analyte exceeds the upper calibration range, the DL suffix is appended to the sample number on the Form I for the more diluted sample, and **all** reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.

NOTE 1: The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.

NOTE 2: Separate Forms I are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses are not combined on a single Form I.

A: This flag indicates that a TIC is a suspected aldol-condensation product.

S: In the SOM01.2 SOW document, this flag is used to indicate an estimated value for Aroclor target compounds where a valid 5-point initial calibration was not performed prior to the analytes detection in a sample. If an "S" flag is used for a specific Aroclor, then a reanalysis of the sample is required after a valid 5-point calibration is performed for the detected Aroclor.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y, and Z.

B. Chains-of-Custody

The laboratory shall include a copy of the Chain-of-Custody (CoC) documentation for all of the samples in the SDG. The CoC documents shall be arranged in increasing Client Sample ID number order, considering both letters and numbers.

24950

Page 1 of 1

CHAIN OF CUSTODY

CompuChem
a division of Liberty Analytical Corp.

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information
Company Name: CH2M HILL	Project Name: CTO 94
Address: 3201 Beechleaf Ct Ste 304	Sampling Location: Camp Lejeune
City: Raleigh State: NC Zip: 27604	Turnaround time:
Project Contact: Paul Weber	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 269-762-3433	Are aqueous samples field filtered for metals? Y or (N)
Sampler's Name: Rachel Zayac	Are high concentrations expected? Y or (N) If yes, which ID(s)?

Requested Analysis (include method and bottle type)

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	TAL metals 6010B/7470 500	Hexavalent Chromium 7196A	PAHs 8270C SIM	Pesticides 8081	pH / Sample Info (Lab Use): TAL Metals
1005187-01	BBG-GW10-10B	5/24/10	1330	GW	5			1			1P	X	X	X	X	22
	~~BBG-GW01-10B~~															

Lab Use Only

Sample Unpacked By: Diane Byrd
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

Sample Custody

Relinquished by:	Date/Time: 1730 5/24/10	Received by: Lee & Swanson	Date/Time: 5 20PM 5/24/10
Relinquished by:	Date/Time:	Received by: Diane Byrd for Joann Ockerlund	Date/Time: 5/24/10 1615
Subcontact? Y or (N) If yes, where?	Custody Seal(s) intact? Y or N	On Ice? (Y) or N	Cooler Temp: 0.9 °C

Courier

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

SN0015

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A Division Of
Liberty Analytical Corp.

QUALITY ASSURANCE NOTICE

CompuChem ID # _____
Client ID # BBG-GW10-10B
Case # _____
Type of Analysis TAL Metals
Receipt Date 5-24-10

The pH reading for the sample above was 2.2 : the required pH level is <2 .

A CompuChem Project Manager contacted the client who instructed the laboratory to:

Preserve in-house ✓

Note: For samples preserved in house, certain clients require that the maximum amount of preservative added to a sample in an SDG also be added to the associated field or equipment blank. If neither blank is present, the appropriate laboratory must be notified so the proper amount of preservation can be added to the method blank.

Analyze - qualify with notice ✓

Dispose - client will resample _____

Subcontract lab to preserve _____

Project Manager [signature] Date 5/25/10

Preservation Type 50% HNO_3 Preservative Lot Number 7GG1-20-3

Preserved By Diane Byrd Date 5/25/10

QAN-R-2
100319

QAN-R-2:031910:jad

Cooler #1 24949

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CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page 1 of 1

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information
Company Name: CH2M HILL	Project Name: CTO94
Address: 320 Beecheaf Ct Ste 304	Sampling Location: Camp Lejeune
City: Raleigh State: NC Zip: 27604	Turnaround time
Project Contact: Paul Weber	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 269-762-3433	Are aqueous samples field filtered for metals? Y or (N)
Sampler's Name: Rachel Zajac	Are high concentrations expected? Y or (N)? If yes, which ID(s)?

Requested Analysis (include method and bottle type): TAL metals 6010B/7470 500 ml; Hexavalent Chromium 7196A; PAH 8270C 3 AL; Pesticides 8081

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	pH / Sample Info (Lab Use)
1005187-02	BBG-FB-052510	5/25/10	0940	WT	5							<2
-03	BBG GW01-10B		1010									<2
-04	BBG-EB1-052510		1700									<2

Lab Use Only

Sample Unpacked By: Jennifer Does
Sample Order Entry By: Jennifer Does
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments

Residual Chlorine Present?
No No

Sample Custody

Relinquished by:	Date/Time: 5/25/10 1800	Received by:	Date/Time: 5.25.10 6:00
Relinquished by:	Date/Time:	Received by: Jennifer Does	Date/Time: 5.25.10 8:25 PM
Subcontact? Y or N If yes, where?		Custody Seal(s) intact? Y or N	On Ice: Y or N / Cooler Temp: 3.2 °C

NC Courier

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

SN0010

cooler #2 24948.

CHAIN OF CUSTODY

Page 1 of 1

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501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information
Company Name: CH2M HILL	Project Name: CTO 94
Address: 3201 Beechleaf Ct Ste 304	Sampling Location: Camp Lejeune
City: Raleigh State: NC Zip: 27604	Turnaround time:
Project Contact: Paul Weber	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 269-762-3433	Are aqueous samples field filtered for metals? Y or (N)
Sampler's Name: Rachel Zayac	Are high concentrations expected? Y or (N)? If yes, which ID(s)?

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Requested Analysis: TAL metals 6010B/7470 500ml	Hexavalent Chromium 7196A	PAH 8270C 3AA	Pesticides 8081	pH / Sample Info (Lab Use)
1005187-05	BBG-GW03-0510	5/25	1035	GW	5			1			4	X	X	X	X	TAL Metals <2
-06	BBG-FB2-052510	"	1035	"	1			"			"	X	X	X	X	<2

Lab Use Only

Sample Unpacked By: Jennifer Boer
Sample Order Entry By:
Samples Received in Good Condition: Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Residual Chlorine Present? No
133

Sample Custody

Relinquished by: R Zayac	Date/Time: 5/25/10 1830	Received by: Eli Cuker	Date/Time: 5-25-10 20:00
Relinquished by:	Date/Time:	Received by: Jennifer Boer	Date/Time: 5.25.10 8:25 PM
Subcontact? Y or (N) If yes, where?	Custody Seal(s) intact? Y or N	On Ice (Y) or N	Cooler Temp: 4.3 °C

Samples stored 60 days after date report mailed at no extra charge.
NC Courier
White & Yellow copy to lab • Pink copy for customer
SN0010

24927

Residual Chlorine Present? Yes ____ No ✓

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CHAIN OF CUSTODY

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Cary, NC 27513
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Page ____ of ____

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information
Company Name: CH2M HILL	Project Name: CTO 94
Address: 3301 Beechcroft St 300	Sampling Location: Camp Lejeune
City: Raleigh State: NC Zip: 27604	Turnaround time:
Project Contact: Paul Weber	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 269-762-3433	Are aqueous samples field filtered for metals? Y or (N)
Sampler's Name: Verd Anna Cunningham	Are high concentrations expected? Y or (N)? If yes, which ID(s)?

Requested Analysis (include method and bottle type)

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other: none	TAL metals 6010B/7470 500	Hexavalent Chromium 7196A	PAHs 8270 C 34L	Pesticides 8081	pH / Sample Info (Lab Use): TAL Metals
1005187-07	BBG-GW09-10B	5/26	1130	GW	5			1			4	X	X	X	X	<2
↓ -08	BBG-GW09D-10B	5/26	1135	GW	5			1			4	X	X	X	X	<2

Lab Use Only

Sample Unpacked By: Drake Byrd
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

Sample Custody

Relinquished by: Verd Anna Cunningham	Date/Time: 5/26/10 1830	Received by: Elly Gurley	Date/Time: 5-26-10 = 5.35
Relinquished by:	Date/Time:	Received by:	Date/Time: 5/26/10 1945

Subcontact? Y or (N) If yes, where?
Custody Seal(s) intact? (Y) or N
On Ice? (Y) or N
Cooler Temp: 1.8 °C

Samples stored 60 days after date report mailed at no extra charge.
White & Yellow copy to lab • Pink copy for customer

SN0015

05/09

Residual Chlorine Present?
Yes _____ No ✓

24926

CHAIN OF CUSTODY

Page ____ of ____

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501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information
Company Name: CH2M HILL	Project Name: CTO 94
Address: 3201 Beechleaf Ct Ste 300	Sampling Location: Camp Lejeune
City: Raleigh State: NC Zip: 27604	Turnaround time
Project Contact: Paul Weber	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 269-762-3433	Are aqueous samples field filtered for metals? Y or (N)
Sampler's Name: Verd Anna Cunningham	Are high concentrations expected? Y or (N)? If yes, which ID(s)?

Requested Analysis (include method and bottle type)

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other	TAL Metals 6010B / 7470 500	Hexavalent Chromium 7196A	PAHs 8270C 3AL	Pesticides 8081	pH / Sample Info (Lab Use)
1005187-09	BBG-GW08-10B	5/26	1445	GW	5			1			4 none	X	X	X	X	TAL Metals 12

Lab Use Only

Sample Unpacked By:
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments

Sample Custody

Relinquished by: Verd Anna Cunningham	Date/Time: 5/26/10 1730	Received by: Ella Curren	Date/Time: 5-26-10 1735
Relinquished by:	Date/Time:	Received by:	Date/Time: 5/26/10 1945

Subcontact? Y or N If yes, where?
Custody Seal(s) intact? Y or N
On Ice? Y or N
Cooler Temp: 0.7 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

5N0015

Residual Chlorine Present?
Yes _____ No ✓

Cooler #3

20706

Page 1 of 1

CHAIN OF CUSTODY

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501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information
Company Name: CH2M HILL	Project Name: CTO 94
Address: 3201 Beechleaf Ct Ste 304	Sampling Location: Camp Lejeune
City: Raleigh State: NC Zip: 27604	Turnaround time
Project Contact: Paul Weber	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 9198754311	Are aqueous samples field filtered for metals? Y or N
Sampler's Name: Rachel Zeyer	Are high concentrations expected? Y or N? If yes, which ID(s)?

Requested Analysis (include method and bottle type)

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	TAL metals (6010B/7470) 500	Hex Chromium 7196 125	PAHs 8270 C Pesticides (22)	Pesticides 8081	pH / Sample Info (Lab Use)
1005187-10	BBG-GW09-1013	5/27	0830	GW	5			1			4	X	X	X	X	12
-11	BBG-EB1-052710	↓	1525	↓	↓			1				X	X	X	X	12

TAL metals

Lab Use Only

Sample Unpacked By: Dawn Byrd
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments

Sample Custody

Relinquished by: R Zeyer	Date/Time: 5/27/10 2005	Received by:	Date/Time: 5/27/10 2005
Relinquished by:	Date/Time:	Received by:	Date/Time:
Subcontact? Y or N If yes, where?	Custody Seal(s) intact? Y or N	On Ice? Y or N	Cooler Temp: 1.5 3.9 °C

Samples stored 60 days after date report mailed at no extra charge.

hand delivery

White & Yellow copy to lab • Pink copy for customer

5/28/10

SN0015

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Residual Chlorine Present? Yes ____ No ✓

cooler #2

20705

Page 1 of 1

CompuChem
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CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier:
Airbill No.:
Sampling Complete? Y or N

Client/Reporting Information	Project Information
Company Name: CH2M HILL	Project Name: CTO94
Address: 3301 Beacon Leaf Ct Ste 304	Sampling Location: Camp Lejeune
City: Raleigh State: NC Zip: 27604	Turnaround time:
Project Contact: Paul Weber	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 9198754311	Are aqueous samples field filtered for metals? Y or N
Sampler's Name: Rachel Zayac	Are high concentrations expected? Y or N? If yes, which ID(s)?

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Requested Analysis: TAL metals 6010B/7470 500	Hex Chromium 7196A 125	PAHs 8270C 3AL	Pesticides 8081	pH / Sample Info (Lab Use): TAL metals
1005187-12	BBG-GW04-10B	5/27	1130	GW	5			1			4	X	X	X	X	<2
-13	BBG-GWDUCH-10B	"	1410	"	↓			1			4	X	X	X	X	<2

Lab Use Only

Sample Unpacked By: Diane Byrd
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments

Sample Custody

Relinquished by: K Zayac	Date/Time: 5/27/10 2005	Received by:	Date/Time: 5/27/10 2005
Relinquished by:	Date/Time:	Received by:	Date/Time:
Subcontact? Y or N If yes, where?	Custody Seal(s) intact? Y or N	On Ice? Y or N	Cooler Temp: 1.3 °C

Samples stored 60 days after date report mailed at no extra charge.

Hand delivery

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SN0015

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Cover #1

20704

Page 1 of 1

Residual Chlorine Present? Yes ____ No ✓

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CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information
Company Name: CH2M HILL	Project Name: CTO 94
Address: 3301 Beacheaf ct Ste 304	Sampling Location: MCB Camp Lejeune
City: Raleigh State: NC Zip: 27604	Turnaround time
Project Contact: Paul Weber	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 919 875 4311	Are aqueous samples field filtered for metals? Y or N
Sampler's Name: Rachel Zayac	Are high concentrations expected? Y or N? If yes, which ID(s)?

Requested Analysis (include method and bottle type)

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	TAL metals 6010/7470 (500)	Hex chromium 7196A (125)	PAHs 8270C	Pesticides 8081	pH / Sample Info (Lab Use): TAL Metals
100518-14	BBG-GW03-10B	5/27	1400	GW	15			3			12	X	X	X	X	12

Lab Use Only

Sample Unpacked By: Diane Byrd
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments: MS/MSD

Sample Custody

Relinquished by: R Zayac	Date/Time: 5/27/10 2005	Received by:		Date/Time: 5/27/10 2005	
Relinquished by:	Date/Time:	Received by:		Date/Time:	
Subcontact? Y or N If yes, where?		Custody Seal(s) intact? Y or (N)	On Ice? (Y) or N	Cooler Temp: 5.1 °C	

hand delivery

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer SW0015

93

Residual Chlorine Present? Yes ____ No ✓ Cooler 4

20707

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CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page 1 of 1

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information
Company Name: CH2M HILL	Project Name: CTO 94
Address: 3301 Beacon Ridge Ct Ste 304	Sampling Location: Camp Lejeune
City: Raleigh State: NC Zip: 27604	Turnaround time:
Project Contact: Paul Weber	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 919 875 4311	Are aqueous samples field filtered for metals? Y or N
Sampler's Name: Rachel Zajac	Are high concentrations expected? Y or N? If yes, which ID(s)?

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Requested Analysis: TAL metals 6010B/7470 SOO	Hex Chromium 7196A 2-5	PAHs 8270C 3AV	Pesticides 8081	pH / Sample Info (Lab Use): TAL Metals
1005187-15	BBG-EB2-052710	5/27	1545	GW	5			1			4	X	X	X	X	K2
↓ -16	BBG-EB3-052710	↓	1545	1	↓			1			4	X	X	X	X	K2

Lab Use Only

Sample Unpacked By: [signature]
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments

Sample Custody

Relinquished by: [signature]	Date/Time: 5/27/10 2005	Received by: [signature]	Date/Time: 5/27/10 2005
Relinquished by:	Date/Time:	Received by:	Date/Time:
Subcontact? Y or N If yes, where?	Custody Seal(s) intact? Y or N	On Ice? Y or N	Cooler Temp: 2.7 °C

Samples stored 60 days after date report mailed at no extra charge.

Hand delivery

White & Yellow copy to lab • Pink copy for customer

SN0015

CompuChem
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Sample ID Cross Reference

LAB WO	Project	Sample #	Field ID	Sample Date	Rec Date	DueDate	Chain of Custody ID
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-01	BBG-GW10	05/24/2010	05/24/2010	06/09/2010	BBG-GW10-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-01	BBG-GW10	05/24/2010	05/24/2010	06/16/2010	BBG-GW10-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-02	FB-052510	05/25/2010	05/25/2010	06/09/2010	BBG-FB-052510
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-02	FB-052510	05/25/2010	05/25/2010	06/16/2010	BBG-FB-052510
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-03	BBG-GW01	05/25/2010	05/25/2010	06/09/2010	BBG-GW01-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-03	BBG-GW01	05/25/2010	05/25/2010	06/16/2010	BBG-GW01-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-04	EB1-052510	05/25/2010	05/25/2010	06/09/2010	BBG-EB1-052510
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-04	EB1-052510	05/25/2010	05/25/2010	06/16/2010	BBG-EB1-052510
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-05	BBG-GW03	05/25/2010	05/25/2010	06/09/2010	BBG-GW03-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-05	BBG-GW03	05/25/2010	05/25/2010	06/16/2010	BBG-GW03-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-06	EB2-052510	05/25/2010	05/25/2010	06/09/2010	BBG-EB2-052510
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-06	EB2-052510	05/25/2010	05/25/2010	06/16/2010	BBG-EB2-052510
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-07	BBG-GW09	05/26/2010	05/26/2010	06/09/2010	BBG-GW09-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-07	BBG-GW09	05/26/2010	05/26/2010	06/16/2010	BBG-GW09-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-08	BBG-GW09D	05/26/2010	05/26/2010	06/09/2010	BBG-GW09D-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-08	BBG-GW09D	05/26/2010	05/26/2010	06/16/2010	BBG-GW09D-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-09	BBG-GW08	05/26/2010	05/26/2010	06/09/2010	BBG-GW08-10B

LAB WO	Project	Sample #	Field ID	Sample Date	Rec Date	DueDate	Chain of Custody ID
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-09	BBG-GW08	05/26/2010	05/26/2010	06/16/2010	BBG-GW08-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-10	BBG-GW07	05/27/2010	05/27/2010	06/09/2010	BBG-GW07-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-10	BBG-GW07	05/27/2010	05/27/2010	06/16/2010	BBG-GW07-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-11	EB1-052710	05/27/2010	05/27/2010	06/09/2010	BBG-EB1-052710
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-11	EB1-052710	05/27/2010	05/27/2010	06/16/2010	BBG-EB1-052710
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-12	BBG-GW04	05/27/2010	05/27/2010	06/09/2010	BBG-GW04-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-12	BBG-GW04	05/27/2010	05/27/2010	06/16/2010	BBG-GW04-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-13	BBG-GW03UCH	05/27/2010	05/27/2010	06/09/2010	BBG-GW03UCH-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-13	BBG-GW03UCH	05/27/2010	05/27/2010	06/16/2010	BBG-GW03UCH-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-14	BBG-GW02	05/27/2010	05/27/2010	06/09/2010	BBG-GW02-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-14	BBG-GW02	05/27/2010	05/27/2010	06/16/2010	BBG-GW02-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-15	EB2-052710	05/27/2010	05/27/2010	06/09/2010	BBG-EB2-052710
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-15	EB2-052710	05/27/2010	05/27/2010	06/16/2010	BBG-EB2-052710
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-16	EB3-052710	05/27/2010	05/27/2010	06/09/2010	BBG-EB3-052710
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-16	EB3-052710	05/27/2010	05/27/2010	06/16/2010	BBG-EB3-052710

1005187

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005187** **CASE:**	**Status:**	**Reviewed**

Report To:
CH2M HILL, INC.
REBEKHA SHAW
5700 CLEVELAND STREET, SUITE 101
VIRGINIA BEACH, VA 23462
Phone: 757-671-8311
Fax: -

Invoice To:
CH2M HILL, INC.
ACCOUNTS PAYABLE
P.O. BOX 241329
DENVER, CO 80224
Phone :757-671-8311
Fax: -

Date Due: 06/16/2010 00:00 (20 day TAT)

Received By: Cathy Dover — Date Received: 05/27/2010 20:05

Logged In By: Cathy Dover — Date Logged In: 05/25/2010 13:37

J & B Flags?: **YES**	TICS?:**NO**	Deliverable: **Style 9 PQL/MDL Forms**	EDD : **30) CH2 SNEDD**
Metals ND to? **RL/CRQL**	Spike Level: **FULL Spike**		

DOD CRITERIA*USE 1005187-14 FOR QC*SIM 8270C=PAH.SUB*PEST 8081A* TAL METALS*HEXAVALENT Cr 7196A + Cr+3 REPORTED ON FORMS & EDD

Analysis	Due	TAT	Expires	Received	Comments
1005187-01 BBG-GW10 [Water] Sampled 05/24/2010 13:30 Eastern					
6010B METALS TAL	06/16/2010 16:00	20	11/20/2010 13:30	05/24/2010 16:15	
7470A/7471A Mercury	06/16/2010 16:00	20	06/21/2010 13:30	05/24/2010 16:15	
GC-8081A/PEST	06/16/2010 16:00	20	05/31/2010 13:30	05/24/2010 16:15	
SVOC 8270C SIM PAH	06/16/2010 16:00	20	05/31/2010 13:30	05/24/2010 16:15	
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/20/2010 13:30	05/24/2010 16:15	
1005187-02 FB-052510 [Water] Sampled 05/25/2010 09:40 Eastern					**FIELD BLK**
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/01/2010 09:40	05/25/2010 20:25	
GC-8081A/PEST	06/16/2010 16:00	20	06/01/2010 09:40	05/25/2010 20:25	
6010B METALS TAL	06/16/2010 16:00	20	11/21/2010 09:40	05/25/2010 20:25	
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/21/2010 09:40	05/25/2010 20:25	
7470A/7471A Mercury	06/16/2010 16:00	20	06/22/2010 09:40	05/25/2010 20:25	
1005187-03 BBG-GW01 [Water] Sampled 05/25/2010 10:10 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/21/2010 10:10	05/25/2010 20:25	
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/01/2010 10:10	05/25/2010 20:25	
GC-8081A/PEST	06/16/2010 16:00	20	06/01/2010 10:10	05/25/2010 20:25	
7470A/7471A Mercury	06/16/2010 16:00	20	06/22/2010 10:10	05/25/2010 20:25	
6010B METALS TAL	06/16/2010 16:00	20	11/21/2010 10:10	05/25/2010 20:25	

1005187

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005187** **CASE:**	**Status:**	**Batched**

Analysis	Due	TAT	Expires	Comments
1005187-04 EB1-052510 [Water] Sampled 05/25/2010 17:00 Eastern				**EQUIP. BLK**
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/21/2010 17:00	05/25/2010 20:25
6010B METALS TAL	06/16/2010 16:00	20	11/21/2010 17:00	05/25/2010 20:25
7470A/7471A Mercury	06/16/2010 16:00	20	06/22/2010 17:00	05/25/2010 20:25
GC-8081A/PEST	06/16/2010 16:00	20	06/01/2010 17:00	05/25/2010 20:25
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/01/2010 17:00	05/25/2010 20:25
1005187-05 BBG-GW03 [Water] Sampled 05/25/2010 16:35 Eastern				
GC-8081A/PEST	06/16/2010 16:00	20	06/01/2010 16:35	05/25/2010 20:25
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/01/2010 16:35	05/25/2010 20:25
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/21/2010 16:35	05/25/2010 20:25
6010B METALS TAL	06/16/2010 16:00	20	11/21/2010 16:35	05/25/2010 20:25
7470A/7471A Mercury	06/16/2010 16:00	20	06/22/2010 16:35	05/25/2010 20:25
1005187-06 EB2-052510 [Water] Sampled 05/25/2010 10:35 Eastern				**EQUIP. BLK**
6010B METALS TAL	06/16/2010 16:00	20	11/21/2010 10:35	05/25/2010 20:25
7470A/7471A Mercury	06/16/2010 16:00	20	06/22/2010 10:35	05/25/2010 20:25
GC-8081A/PEST	06/16/2010 16:00	20	06/01/2010 10:35	05/25/2010 20:25
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/01/2010 10:35	05/25/2010 20:25
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/21/2010 10:35	05/25/2010 20:25
1005187-07 BBG-GW09 [Water] Sampled 05/26/2010 11:30 Eastern				
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/22/2010 11:30	05/26/2010 19:45
GC-8081A/PEST	06/16/2010 16:00	20	06/02/2010 11:30	05/26/2010 19:45
6010B METALS TAL	06/16/2010 16:00	20	11/22/2010 11:30	05/26/2010 19:45
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/02/2010 11:30	05/26/2010 19:45
7470A/7471A Mercury	06/16/2010 16:00	20	06/23/2010 11:30	05/26/2010 19:45
1005187-08 BBG-GW09D [Water] Sampled 05/26/2010 11:35 Eastern				
7470A/7471A Mercury	06/16/2010 16:00	20	06/23/2010 11:35	05/26/2010 19:45
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/02/2010 11:35	05/26/2010 19:45
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/22/2010 11:35	05/26/2010 19:45
6010B METALS TAL	06/16/2010 16:00	20	11/22/2010 11:35	05/26/2010 19:45
GC-8081A/PEST	06/16/2010 16:00	20	06/02/2010 11:35	05/26/2010 19:45

1005187

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005187** **CASE:**	**Status:**	**Batched**

Analysis	Due	TAT	Expires	Comments
1005187-09 BBG-GW08 [Water] Sampled 05/26/2010 14:45 Eastern				
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/02/2010 14:45	05/26/2010 19:45
GC-8081A/PEST	06/16/2010 16:00	20	06/02/2010 14:45	05/26/2010 19:45
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/22/2010 14:45	05/26/2010 19:45
6010B METALS TAL	06/16/2010 16:00	20	11/22/2010 14:45	05/26/2010 19:45
7470A/7471A Mercury	06/16/2010 16:00	20	06/23/2010 14:45	05/26/2010 19:45
1005187-10 BBG-GW07 [Water] Sampled 05/27/2010 08:30 Eastern				
GC-8081A/PEST	06/16/2010 16:00	20	06/03/2010 08:30	05/27/2010 20:05
6010B METALS TAL	06/16/2010 16:00	20	11/23/2010 08:30	05/27/2010 20:05
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/23/2010 08:30	05/27/2010 20:05
7470A/7471A Mercury	06/16/2010 16:00	20	06/24/2010 08:30	05/27/2010 20:05
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/03/2010 08:30	05/27/2010 20:05
1005187-11 EB1-052710 [Water] Sampled 05/27/2010 15:25 Eastern				
GC-8081A/PEST	06/16/2010 16:00	20	06/03/2010 15:25	05/27/2010 20:05
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/03/2010 15:25	05/27/2010 20:05
6010B METALS TAL	06/16/2010 16:00	20	11/23/2010 15:25	05/27/2010 20:05
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/23/2010 15:25	05/27/2010 20:05
7470A/7471A Mercury	06/16/2010 16:00	20	06/24/2010 15:25	05/27/2010 20:05
1005187-12 BBG-GW04 [Water] Sampled 05/27/2010 11:30 Eastern				
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/23/2010 11:30	05/27/2010 20:05
GC-8081A/PEST	06/16/2010 16:00	20	06/03/2010 11:30	05/27/2010 20:05
7470A/7471A Mercury	06/16/2010 16:00	20	06/24/2010 11:30	05/27/2010 20:05
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/03/2010 11:30	05/27/2010 20:05
6010B METALS TAL	06/16/2010 16:00	20	11/23/2010 11:30	05/27/2010 20:05
1005187-13 BBG-GW03UCH [Water] Sampled 05/27/2010 14:10 Eastern				
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/23/2010 14:10	05/27/2010 20:05
6010B METALS TAL	06/16/2010 16:00	20	11/23/2010 14:10	05/27/2010 20:05
7470A/7471A Mercury	06/16/2010 16:00	20	06/24/2010 14:10	05/27/2010 20:05
GC-8081A/PEST	06/16/2010 16:00	20	06/03/2010 14:10	05/27/2010 20:05
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/03/2010 14:10	05/27/2010 20:05

1005187

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005187** **CASE:**	**Status:**	**Reviewed**

Analysis	Due	TAT	Expires	Comments
1005187-14 BBG-GW02 [Water] Sampled 05/27/2010 14:00 Eastern				**USE FOR QC**
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/03/2010 14:00	05/27/2010 20:05
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/23/2010 14:00	05/27/2010 20:05
6010B METALS TAL	06/16/2010 16:00	20	11/23/2010 14:00	05/27/2010 20:05
7470A/7471A Mercury	06/16/2010 16:00	20	06/24/2010 14:00	05/27/2010 20:05
GC-8081A/PEST	06/16/2010 16:00	20	06/03/2010 14:00	05/27/2010 20:05
1005187-15 EB2-052710 [Water] Sampled 05/27/2010 15:45 Eastern				
GC-8081A/PEST	06/16/2010 16:00	20	06/03/2010 15:45	05/27/2010 20:05
6010B METALS TAL	06/16/2010 16:00	20	11/23/2010 15:45	05/27/2010 20:05
7470A/7471A Mercury	06/16/2010 16:00	20	06/24/2010 15:45	05/27/2010 20:05
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/23/2010 15:45	05/27/2010 20:05
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/03/2010 15:45	05/27/2010 20:05
1005187-16 EB3-052710 [Water] Sampled 05/27/2010 15:45 Eastern				
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/03/2010 15:45	05/27/2010 20:05
7470A/7471A Mercury	06/16/2010 16:00	20	06/24/2010 15:45	05/27/2010 20:05
6010B METALS TAL	06/16/2010 16:00	20	11/23/2010 15:45	05/27/2010 20:05
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/23/2010 15:45	05/27/2010 20:05
GC-8081A/PEST	06/16/2010 16:00	20	06/03/2010 15:45	05/27/2010 20:05

Analysis groups included in this work order

TRIVALENT CHROMIUM Cr3 7196A

Total Cr by Metals HEXAVALENT CHROMI

CompuChem, a Division of Liberty Analytical Corp.

EXTRACT COC

5-27-4

DEPT: EXTR **DATE:** 5-27-10

BATCH: 0052703

	COMPUCHEM NUMBER	CLIENT SAMPLE ID	PARAMETER	
1	0052703-BLK1	PBLKDC		
2	0052703-BS1	PDCLCS		
3	0052703-BSD1	PDCLCSD		
4	1005187-01	BBG-GW10		
5	1005187-02	FB-052510		
6	1005187-03	BBG-GW01		
7	1005187-04	EB1-052510		
8	1005187-05	BBG-GW03		
9	1005187-06	EB2-052510		
10				
11				
12				
13				
14				
15				
16				
17				
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19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
	RELINQUISHED BY	DATE/TIME	REC. BY	REASON
	MHett	5-27-10/4:10pm	GC Ref #3	Storage
	GC #3	5/27/10 1800	AHW	login
	AHW	5/27/10 1800	GC #4	storage

Rev. 12/29/09:RM

TAJ 6/2/10

CompuChem, a Division of Liberty Analytical Corp.

EXTRACT COC

DEPT: EXTR 6-1-2 **DATE:** 6-1-10

BATCH: 0052803

	COMPUCHEM NUMBER	CLIENT SAMPLE ID	PARAMETER	
1	0052803-BLK1	PBLKDN		
2	0052803-BS1	PDNLCS		
3	0052803-MS1	BBG-GW02MS		
4	0052803-MSD1	BBG-GW02MSD		
5	1005187-07	BBG-GW09		
6	1005187-08	BBG-GW09D		
7	1005187-09	BBG-GW08		
8	1005187-10	BBG-GW07		
9	1005187-11	EB1-052710		
10	1005187-12	BBG-GW04		
11	1005187-13	BBG-GW01UCH		
12	1005187-14	BBG-GW02		
13	1005187-15	EB2-052710		
14	1005187-16	EB3-052710		
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				

	RELINQUISHED BY	DATE/TIME	REC. BY	REASON
1	B. Patten	6-1-10	G.C. Ref. #3	storage
2	GC#3	6/1/10 1600	AHW	login
3	AHW	6/1/10 1600	GC#4	storage
4				
5				
6				

TAJ 6/2/10

Rev. 12/29/09:RM

C. SDG Data

1. QC Summary
2. Sample Data
3. Standards Data
4. Raw QC Data

LAB CODE: LIBRTY

METHOD: 8081B

SDG #: 1005187

1. QC Summary

a. Surrogate Percent Recovery Summary (Form II)

b. Matrix Spike/Matrix Spike Duplicate/
Laboratory Control Sample Summary
(Form III)

c. Method Blank Summary (Form IV)

a. Surrogate Percent Recovery Summary

(Form II)

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

GC Column(1): CLPEST ID: 0.32 (mm) GC Column(2): CLPEST2 ID: 0.32 (mm)

	EPA SAMPLE NO.	S1 1 %REC #	S1 2 %REC #	TCX 1 %REC #	TCX 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLKDC	86	91	91	90			0
02	PDCLCS	84	89	89	87			0
03	PDCLCSD	83	87	86	85			0
04	BBG-GW10	37	37	41	40			0
05	FB-052510	74	76	77	86			0
06	BBG-GW01	46	43	85	86			0
07	EB1-052510	45	44	77	89			0
08	BBG-GW03	66	67	89	88			0
09	EB2-052510	71	72	84	91			0
10	PBLKDN	90	89	81	80			0
11	PDNLCS	85	88	85	85			0
12	BBG-GW02MS	84	84	83	84			0
13	BBG-GW02MSD	85	86	81	83			0
14	BBG-GW09	45	43	84	84			0
15	BBG-GW09D	51	49	82	82			0
16	BBG-GW08	68	67	84	84			0
17	BBG-GW07	74	74	79	80			0
18	EB1-052710	83	85	77	80			0
19	BBG-GW04	66	65	84	84			0
20	BBG-GW03UCH	67	65	71	70			0
21	BBG-GW02	82	81	79	82			0
22	EB2-052710	85	88	76	78			0
23	EB3-052710	74	66	78	73			0
24								
25								
26								
27								
28								
29								
30								

ADVISORY QC LIMITS

S1 = Decachlorobiphenyl (30-135)
S2 (TCX) = Tetrachloro-m-Xylene (25-140)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

b. Matrix Spike/Matrix Spike Duplicate/
Laboratory Control Sample Summary

(Form III)

3E

WATER PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix Spike - EPA Sample No.: BBG-GW02

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Aldrin	0.15	0.0	0.088	59	25-140
beta-BHC	0.15	0.0	0.13	87	65-125
alpha-BHC	0.15	0.0	0.16	107	60-130
delta-BHC	0.15	0.0	0.17	113	45-135
gamma-BHC (Lindane)	0.15	0.0	0.14	93	25-135
4,4'-DDD	0.38	0.0	0.38	100	25-150
4,4'-DDE	0.38	0.0	0.36	95	35-140
4,4'-DDT	0.38	0.0	0.31	82	45-140
Dieldrin	0.38	0.0	0.39	103	60-130
Endosulfan I	0.15	0.0	0.14	93	50-110
Endosulfan II	0.38	0.0	0.38	100	30-130
Endosulfan sulfate	0.38	0.0	0.35	92	55-135
Endrin	0.38	0.0	0.38	100	55-135
Endrin Aldehyde	0.38	0.0	0.20	53*	55-135
Heptachlor	0.15	0.0	0.12	80	40-130
Heptachlor Epoxide	0.15	0.0	0.16	107	60-130
Methoxychlor	0.38	0.0	0.39	103	55-150
Endrin Ketone	0.38	0.0	0.39	103	75-125
gamma-Chlordane	0.15	0.0	0.15	100	60-125
alpha-Chlordane	0.15	0.0	0.16	107	65-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

3E

WATER PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix Spike - EPA Sample No.: BBG-GW02

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aldrin	0.15	0.083	55	6	40	25-140
beta-BHC	0.15	0.15	100	14	40	65-125
alpha-BHC	0.15	0.16	107	0	40	60-130
delta-BHC	0.15	0.17	113	0	40	45-135
gamma-BHC (Lindane)	0.15	0.15	100	7	40	25-135
4,4'-DDD	0.38	0.38	100	0	40	25-150
4,4'-DDE	0.38	0.37	97	3	40	35-140
4,4'-DDT	0.38	0.33	87	6	40	45-140
Dieldrin	0.38	0.39	103	0	40	60-130
Endosulfan I	0.15	0.14	93	0	40	50-110
Endosulfan II	0.38	0.37	97	3	40	30-130
Endosulfan sulfate	0.38	0.35	92	0	40	55-135
Endrin	0.38	0.38	100	0	40	55-135
Endrin Aldehyde	0.38	0.24	63	18	40	55-135
Heptachlor	0.15	0.12	80	0	40	40-130
Heptachlor Epoxide	0.15	0.16	107	0	40	60-130
Methoxychlor	0.38	0.40	105	2	40	55-150
Endrin Ketone	0.38	0.39	103	0	40	75-125
gamma-Chlordane	0.15	0.15	100	0	40	60-125
alpha-Chlordane	0.15	0.16	107	0	40	65-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits
Spike Recovery: 1 out of 40 outside limits

COMMENTS: _____

3E
WATER PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

LCS ID: PDCLCS Matrix Spike - EPA Sample No.: PDCLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Aldrin	0.15		0.11	73	25-140
beta-BHC	0.15		0.14	93	65-125
alpha-BHC	0.15		0.16	107	60-130
delta-BHC	0.15		0.17	113	45-135
gamma-BHC (Lindane)	0.15		0.14	93	25-135
4,4'-DDD	0.38		0.38	100	25-150
4,4'-DDE	0.38		0.36	95	35-140
4,4'-DDT	0.38		0.33	87	45-140
Dieldrin	0.38		0.39	103	60-130
Endosulfan I	0.15		0.14	93	50-110
Endosulfan II	0.38		0.37	97	30-130
Endosulfan sulfate	0.38		0.35	92	55-135
Endrin	0.38		0.36	95	55-135
Endrin Aldehyde	0.38		0.27	71	55-135
Heptachlor	0.15		0.15	100	40-130
Heptachlor Epoxide	0.15		0.16	107	60-130
Methoxychlor	0.38		0.39	103	55-150
Endrin Ketone	0.38		0.39	103	75-125
gamma-Chlordane	0.15		0.15	100	60-125
alpha-Chlordane	0.15		0.16	107	65-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

3E
WATER PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

LCS ID: PDCLCS Matrix Spike - EPA Sample No.: PDCLCS

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aldrin	0.15	0.12	80	9	40	25-140
beta-BHC	0.15	0.15	100	7	40	65-125
alpha-BHC	0.15	0.16	107	0	40	60-130
delta-BHC	0.15	0.17	113	0	40	45-135
gamma-BHC (Lindane)	0.15	0.15	100	7	40	25-135
4,4'-DDD	0.38	0.39	103	2	40	25-150
4,4'-DDE	0.38	0.37	97	3	40	35-140
4,4'-DDT	0.38	0.35	92	6	40	45-140
Dieldrin	0.38	0.40	105	2	40	60-130
Endosulfan I	0.15	0.15	100	7	40	50-110
Endosulfan II	0.38	0.38	100	3	40	30-130
Endosulfan sulfate	0.38	0.36	95	3	40	55-135
Endrin	0.38	0.38	100	5	40	55-135
Endrin Aldehyde	0.38	0.26	68	4	40	55-135
Heptachlor	0.15	0.15	100	0	40	40-130
Heptachlor Epoxide	0.15	0.17	113	6	40	60-130
Methoxychlor	0.38	0.40	105	2	40	55-150
Endrin Ketone	0.38	0.40	105	2	40	75-125
gamma-Chlordane	0.15	0.15	100	0	40	60-125
alpha-Chlordane	0.15	0.17	113	6	40	65-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits
Spike Recovery: 0 out of 40 outside limits

COMMENTS: _____

3E
WATER PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

LCS ID: PDNLCS

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Aldrin	0.15	0.12	80	25-140
beta-BHC	0.15	0.15	100	65-125
alpha-BHC	0.15	0.16	110	60-130
delta-BHC	0.15	0.17	110	45-135
gamma-BHC (Lindane)	0.15	0.15	100	25-135
4,4'-DDD	0.38	0.38	100	25-150
4,4'-DDE	0.38	0.37	97	35-140
4,4'-DDT	0.38	0.35	92	45-140
Dieldrin	0.38	0.40	110	60-130
Endosulfan I	0.15	0.14	93	50-110
Endosulfan II	0.38	0.37	97	30-130
Endosulfan sulfate	0.38	0.35	92	55-135
Endrin	0.38	0.37	97	55-135
Endrin Aldehyde	0.38	0.24	63	55-135
Heptachlor	0.15	0.14	93	40-130
Heptachlor Epoxide	0.15	0.17	110	60-130
Methoxychlor	0.38	0.39	100	55-150
Endrin Ketone	0.38	0.39	100	75-125
gamma-Chlordane	0.15	0.15	100	60-125
alpha-Chlordane	0.15	0.16	110	65-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS: _____

c. Method Blank Summary (Form IV)

If more than a single form is necessary, forms shall be arranged in chronological order by date of analysis of the blanks and by instrument.

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLKDC

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab Sample ID: 0052703-BLK1 Lab File ID: 257J0052703-BLK1

Matrix (soil/water) WATER Extraction:(SepF/Cont/Sonc) SEPF

Sulfur Cleanup (Y/N) N Date Extracted: 05/27/10

Date Analyzed (1): 06/05/10 Date Analyzed (2): 06/05/10

Time Analyzed (1): 1950 Time Analyzed (2): 1950

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column (1): CLPEST ID: 0.32(mm) GC Column (2): CLPEST2 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PDCLCS	0052703-BS1	06/05/10	06/05/10
02	PDCLCSD	0052703-BSD1	06/05/10	06/05/10
03	BBG-GW10	1005187-01	06/05/10	06/05/10
04	FB-052510	1005187-02	06/05/10	06/05/10
05	BBG-GW01	1005187-03	06/05/10	06/05/10
06	EB1-052510	1005187-04	06/05/10	06/05/10
07	BBG-GW03	1005187-05	06/05/10	06/05/10
08	EB2-052510	1005187-06	06/05/10	06/05/10
09				
10				
11				
12				
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23				
24				
25				
26				

COMMENTS: _____

FORM IV PEST

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLKDN

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab Sample ID: 0052803-BLK1 Lab File ID: 270J0052803-BLK1

Matrix (soil/water) WATER Extraction:(SepF/Cont/Sonc) SEPF

Sulfur Cleanup (Y/N) N Date Extracted: 05/28/10

Date Analyzed (1): 06/06/10 Date Analyzed (2): 06/06/10

Time Analyzed (1): 0206 Time Analyzed (2): 0206

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column (1): CLPEST ID: 0.32(mm) GC Column (2): CLPEST2 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PDNLCS	0052803-BS1	06/06/10	06/06/10
02	BBG-GW02MS	0052803-MS1	06/06/10	06/06/10
03	BBG-GW02MSD	0052803-MSD1	06/06/10	06/06/10
04	BBG-GW09	1005187-07	06/06/10	06/06/10
05	BBG-GW09D	1005187-08	06/06/10	06/06/10
06	BBG-GW08	1005187-09	06/06/10	06/06/10
07	BBG-GW07	1005187-10	06/06/10	06/06/10
08	EB1-052710	1005187-11	06/06/10	06/06/10
09	BBG-GW04	1005187-12	06/06/10	06/06/10
10	BBG-GW03UCH	1005187-13	06/06/10	06/06/10
11	BBG-GW02	1005187-14	06/06/10	06/06/10
12	EB2-052710	1005187-15	06/06/10	06/06/10
13	EB3-052710	1005187-16	06/06/10	06/06/10
14				
15				
16				
17				
18				
19				
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21				
22				
23				
24				
25				
26				

COMMENTS: _____

2. Sample Data

Sample data shall be arranged in packets with the Organic Analysis Data Sheet (Form I), followed by the raw data for samples. These sample packets shall be placed in increasing Client Sample ID number order, considering both letters and numbers.

a. Target Analyte Results

Tabulated results (identification and quantitation) shall be included.

b. Copies of Chromatograms

Positively identified compounds shall be labeled with the names of compounds, either directly out from the peak on the chromatogram, or on a printout of retention times on the data system printout if retention times are printed over the peak on the chromatogram. Included for each sample or sample extract, dilutions, and reanalysis. The chromatogram shall contain the following header information: Client Sample ID number, volume injected (uL), date and time of injection, GC column ID, and GC instrument ID.

c. Copies of Chromatograms from the Second Column

(if necessary)

d. Data System Printout

A printout of retention time and corresponding peak height or peak Area shall accompany each chromatogram. Where edits have been Made, initialing, dating and integration time range are required.

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBG-GW01

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 1005187-03

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/25/10

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/27/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.0054	JP
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

FORM I PEST

Data File: /chem/tracegc84.i/j100528x.b/262j1005187-03.d

Date : 05-JUN-2010 22:14

Client ID: BBG-GW01

Instrument: tracegc84.i

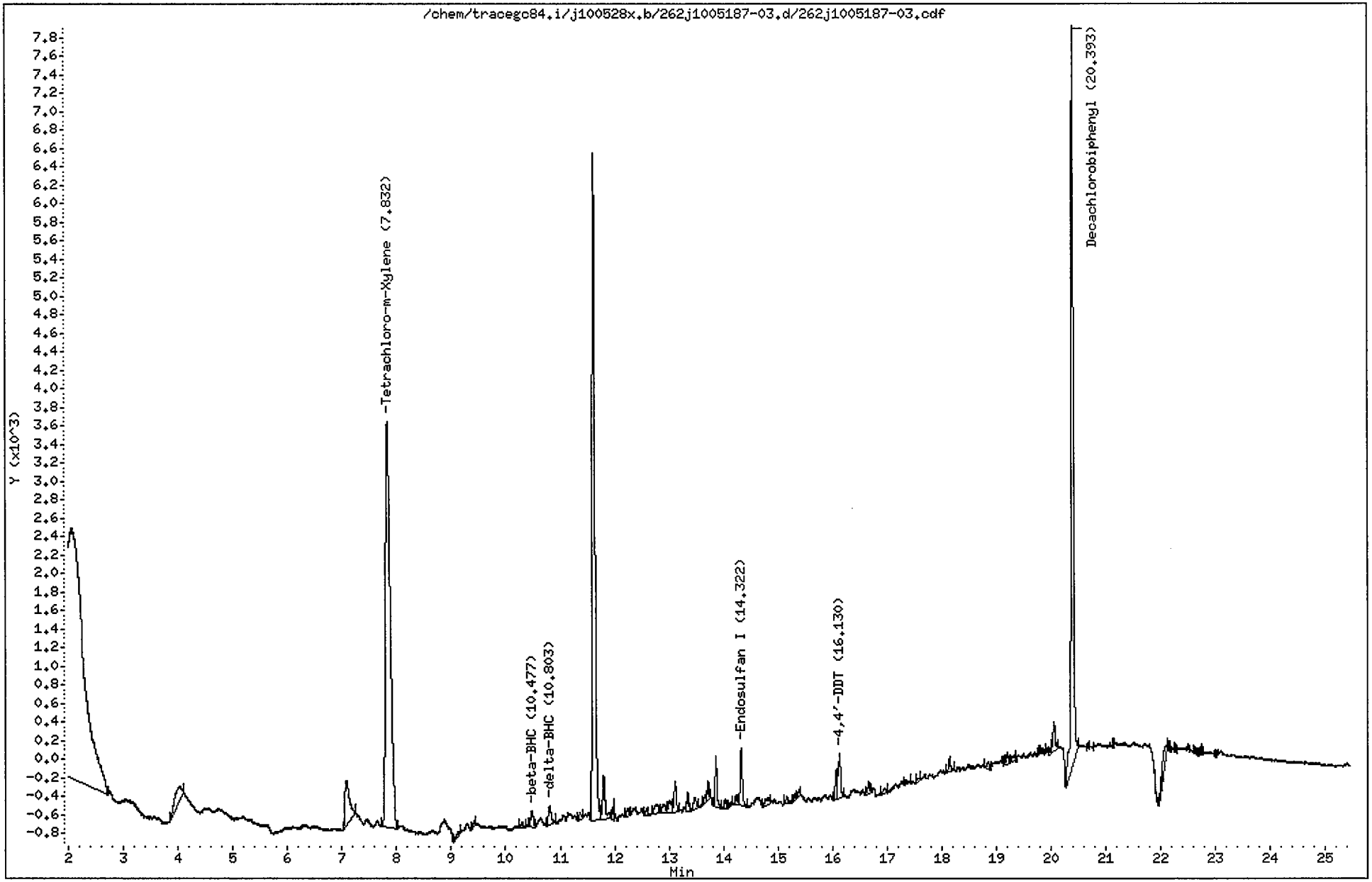
Sample Info: 1005187-03

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005187-03 Client Smp Id : BBG-GW01
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 22:14 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528x.b/8081A_clpestv6.m
Misc. Info : BBG-GW01

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.47			74916								
2.06			77381								
4.02			1485								
7.08			2801								
7.83	7.77	7.91	26723	522758	Tetrachloro-m-Xylene	0.051119	0.255597		85.2	25 - 140	
9.14			164								
9.41			172								
10.30			153								
10.48	10.34	10.48	599	300532	beta-BHC	0.001993	0.009966	0.050000			J
10.80	10.77	10.91	798	689518	delta-BHC	0.001157	0.005787	0.050000			J
11.37			174								
11.62			24006								
11.80			1674								
11.97			190								
12.24			214								
12.58			139								
12.78			526								
12.90			421								
13.02			562								
13.11			889								
13.34			484								
13.47			468								
13.65			191								
13.72			447								
13.86			1369								
14.03			275								
14.12			124								
14.24			251								
14.32	14.29	14.43	1636	548162	Endosulfan I	0.002985	0.014923	0.050000			J
14.79			336								
15.16			271								
15.30			182								
15.39			180								
16.06			765								
16.13	16.08	16.22	1473	454781	4,4'-DDT	0.003239	0.016195	0.100000			J
16.66			337								
16.93			201								

6/9/10

CompuChem

Lab Smp Id : 1005187-03 Client Smp Id : BBG-GW01
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 22:14 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528x.b/8081A_clpestv6.m
Misc. Info : BBG-GW01

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
17.34		152								
17.55		122								
18.14		378								
18.84		245								
19.19		354								
19.32		210								
20.00		153								
20.06		953								
20.39	20.33 20.47	22501	408350	Decachlorobiphenyl	0.055100	0.275499		45.9	30 - 135	
22.09		1000								
22.25		126								
22.74		176								

Data File: /chem/tracegc84.i/j100528x_2C.b/262j1005187-03.d

Page 1

Date : 05-JUN-2010 22:14

Client ID: BBG-GW01

Instrument: tracegc84.i

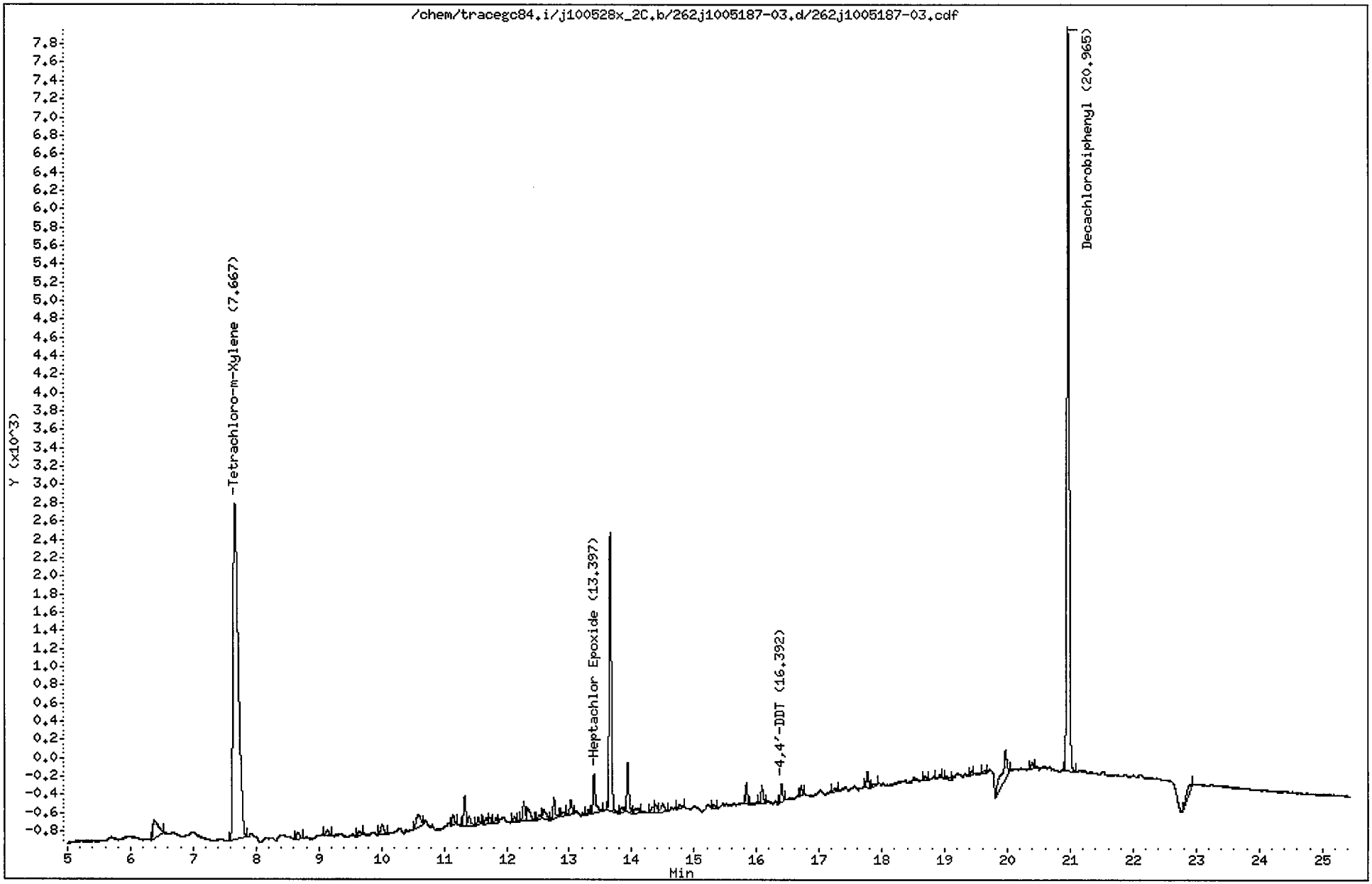
Sample Info: 1005187-03

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005187-03 Client Smp Id : BBG-GW01
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 22:14 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528x_2C.b/8081A_clpest2v6.m
Misc. Info : BBG-GW01

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.44		33525								
1.85		78392								
3.42		161								
6.38		1128								
7.67	7.61 7.75	21539	416798	Tetrachloro-m-Xylene	0.051675	0.258375		86.1	25 - 140	
8.66		251								
9.13		181								
9.64		116								
10.01		369								
10.59		646								
11.14		272								
11.32		796								
11.40		365								
11.54		207								
11.67		151								
11.73		185								
11.82		142								
12.12		128								
12.27		508								
12.34		515								
12.53		115								
12.59		400								
12.76		573								
12.91		173								
13.03		412								
13.31		126								
13.40	13.29 13.43	1282	511912	Heptachlor Epoxide	0.002502	0.012512	0.050000			J
13.66		7659								
13.83		215								
13.94		1246								
14.06		218								
14.33		209								
14.38		256								
14.50		383								
14.77		159								
15.32		95								
15.84		474								

CompuChem

Lab Smp Id : 1005187-03 Client Smp Id : BBG-GW01
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 22:14 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528x_2C.b/8081A_clpest2v6.m
Misc. Info : BBG-GW01

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
16.08		446								
16.39	16.33 16.47	436	405929	4,4'-DDT	0.001074	0.005370	0.100000			J
16.71		188								
17.27		128								
17.77		428								
17.88		97								
18.69		130								
18.93		117								
19.03		127								
19.43		91								
19.63		92								
19.97		1974								
20.39		170								
20.96	20.90 21.04	20811	406698	Decachlorobiphenyl	0.051168	0.255841		42.6	30 - 135	
22.93		522								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBG-GW02

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 1005187-14

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/27/10

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/28/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/06/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc84.i/j100528z.b/285j1005187-14.d

Page 1

Date : 06-JUN-2010 09:19

Client ID: BBG-GW02

Instrument: tracegc84.i

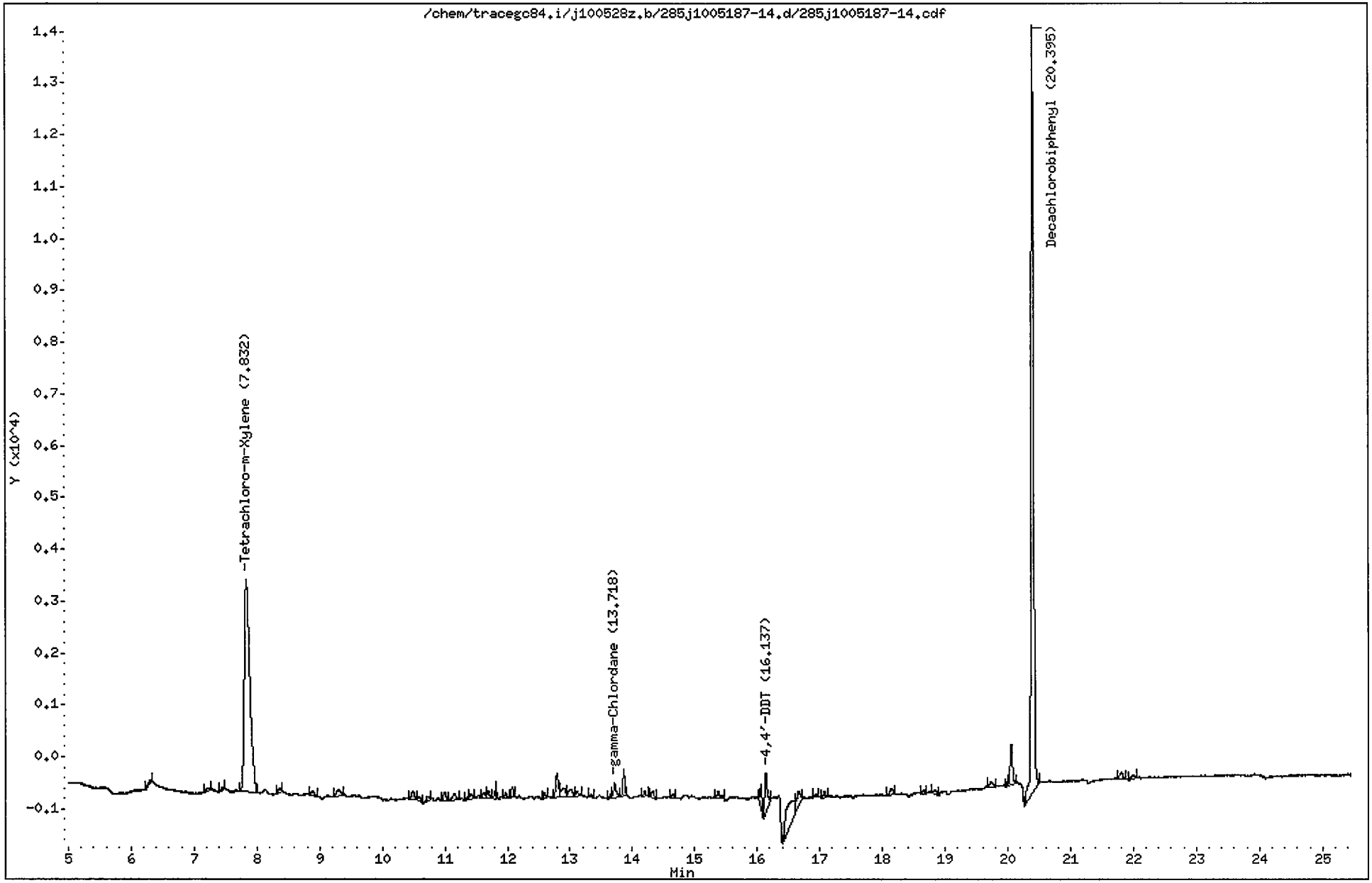
Sample Info: 1005187-14

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005187-14 Client Smp Id : BBG-GW02
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 09:19 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528z.b/8081A_clpestv6.m
Misc. Info : BBG-GW02

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.35		139								
1.47		27079								
2.08		7811								
3.64		368								
4.02		1009								
6.31		215								
7.21		213								
7.46		148								
7.83	7.77 7.91	24878	522758	Tetrachloro-m-Xylene	0.047590	0.237950		79.3	25 - 140	
8.36		218								
8.89		326								
9.29		560								
10.49		469								
10.59		243								
10.73		280								
11.00		468								
11.14		557								
11.36		121								
11.41		369								
11.61		334								
11.69		382								
11.81		244								
11.98		243								
12.07		451								
12.59		266								
12.79		1456								
12.90		890								
13.00		651								
13.11		315								
13.34		149								
13.65		200								
13.72	13.70 13.84	779	594875	gamma-Chlordane	0.001310	0.006548	0.050000			J
13.86		1112								
14.19		199								
14.32		392								
14.65		222								
15.37		482								

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CompuChem

Lab Smp Id : 1005187-14 Client Smp Id : BBG-GW02
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 09:19 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528z.b/8081A_clpestv6.m
Misc. Info : BBG-GW02

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
16.06		1018								
16.14	16.08 16.22	2147	454781	4,4'-DDT	0.004719	0.023594	0.100000			J
16.55		4503								
16.66		1143								
16.94		184								
17.07		297								
18.15		389								
18.65		177								
18.84		253								
19.73		588								
19.99		142								
20.05		1952								
20.40	20.33 20.47	40136	408350	Decachlorobiphenyl	0.098286	0.491429		81.9	30 - 135	
21.80		367								
21.99		261								

Data File: /chem/tracegc84.i/j100528z_2C.b/285j1005187-14.d

Date : 06-JUN-2010 09:19

Client ID: BBG-GW02

Instrument: tracegc84.i

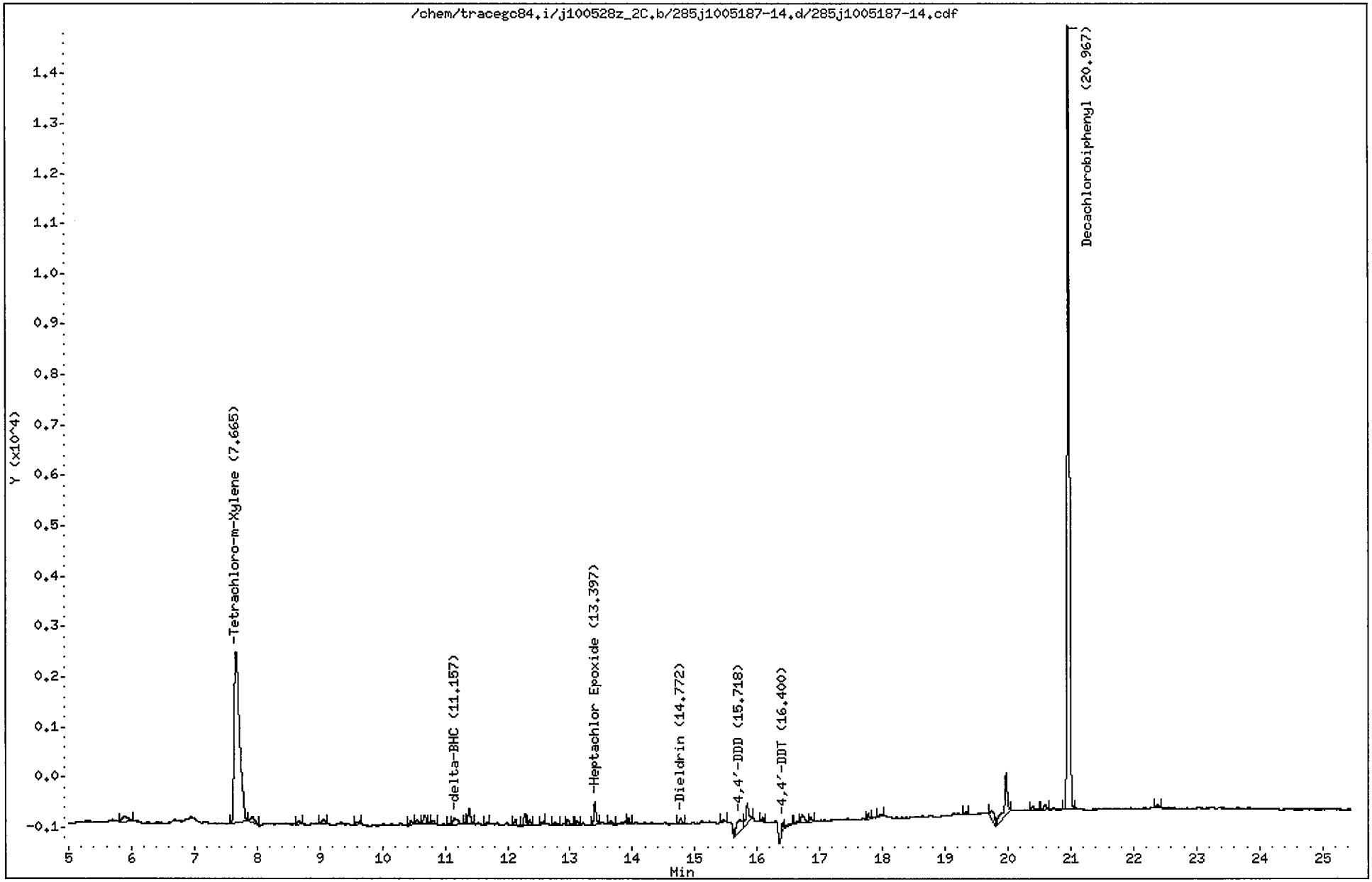
Sample Info: 1005187-14

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005187-14 Client Smp Id : BBG-GW02
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 09:19 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528z_2C.b/8081A_clpest2v6.m
Misc. Info : BBG-GW02

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.45		8360								
1.52		8167								
1.91		157953								
3.00		320								
3.42		738								
5.89		696								
7.66	7.61 7.75	20591	416798	Tetrachloro-m-Xylene	0.049400	0.247002		82.3	25 - 140	
7.92		551								
8.66		198								
9.06		281								
9.59		198								
10.46		231								
10.54		275								
10.67		496								
10.81		187								
11.06		96								
11.16	11.11 11.25	629	551235	delta-BHC	0.001139	0.005696	0.050000			J
11.38		853								
11.67		134								
12.13		264								
12.28		617								
12.36		297								
12.55		144								
12.76		189								
12.96		324								
13.12		177								
13.40	13.29 13.43	1057	511912	Heptachlor Epoxide	0.002065	0.010324	0.050000			J
13.65		267								
13.94		194								
14.77	14.75 14.89	242	461929	Dieldrin	0.000522	0.002609	0.100000			J
15.46		113								
15.72	15.67 15.81	1470	340626	4,4'-DDD	0.004313	0.021563	0.100000			J
15.84		1260								
16.08		201								
16.40		263								
16.54		157								
16.64		101								

KEH 6/9/10

CompuChem

Lab Smp Id : 1005187-14 Client Smp Id : BBG-GW02
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 09:19 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528z_2C.b/8081A_clpest2v6.m
Misc. Info : BBG-GW02

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
16.71		605								
16.86		236								
17.77		240								
17.98		170								
19.33		139								
19.73		807								
19.97		3026								
20.40		218								
20.59		284								
20.97	20.90 21.04	39442	406698	Decachlorobiphenyl	0.096979	0.484894		80.8	30 - 135	
22.38		213								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBG-GW03

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 1005187-05

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/25/10

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/27/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc84.i/j100528x.b/264j1005187-05.d

Date : 05-JUN-2010 23:12

Client ID: BBG-GW03

Instrument: tracegc84.i

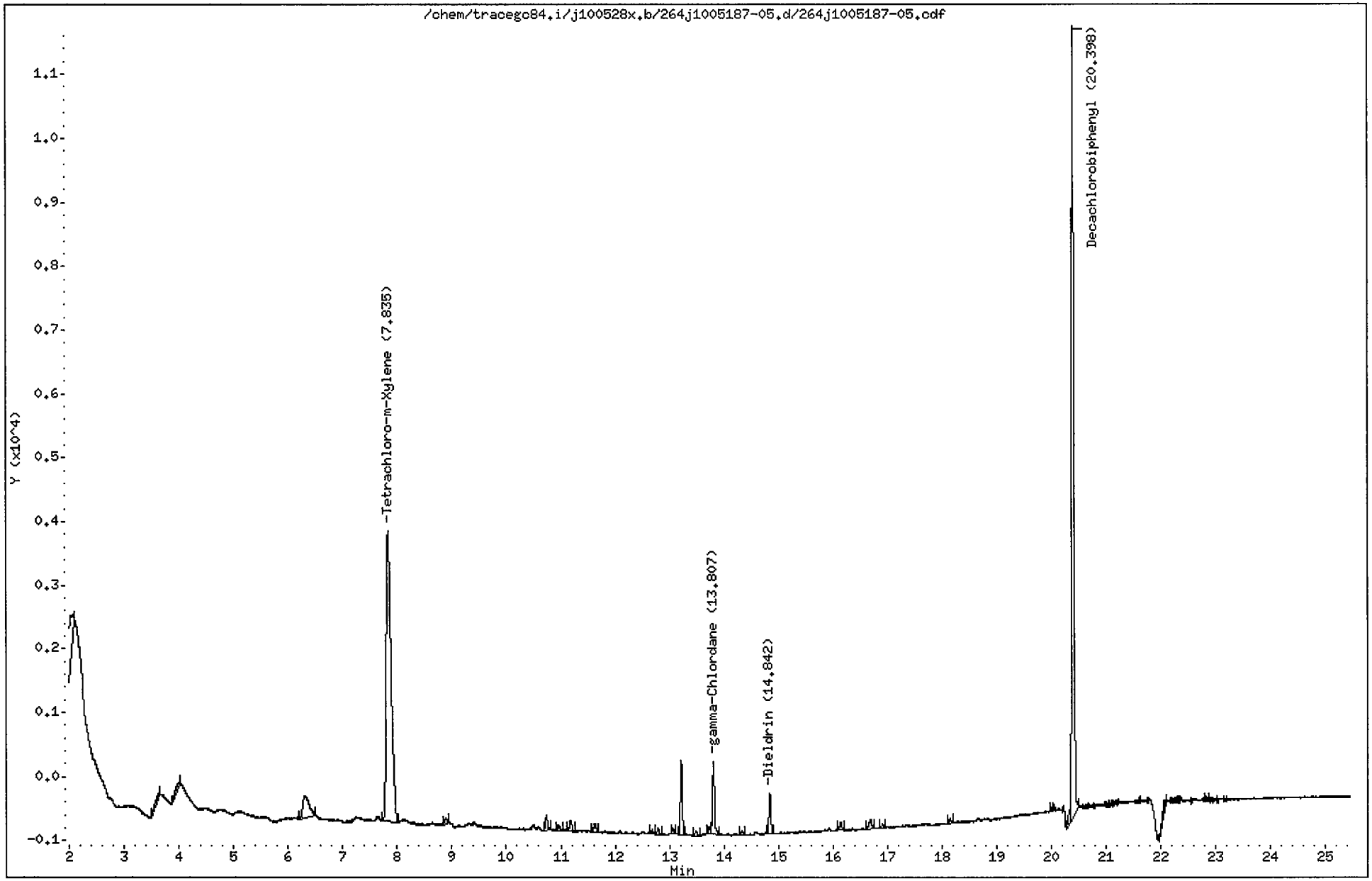
Sample Info: 1005187-05

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005187-05 Client Smp Id : BBG-GW03
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 23:12 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528x.b/8081A_clpestv6.m
Misc. Info : BBG-GW03

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.47		50920								
2.05		2567								
3.63		361								
4.00		583								
6.31		2788								
7.84	7.77 7.91	27978	522758	Tetrachloro-m-Xylene	0.053518	0.267591		89.2	25 - 140	
8.89		280								
10.73		672								
10.95		228								
11.19		485								
11.62		382								
12.68		141								
12.79		265								
13.06		188								
13.22		2756								
13.48		202								
13.72		306								
13.81	13.70 13.84	2930	594875	gamma-Chlordane	0.004924	0.024619	0.050000			J
14.33		180								
14.84	14.82 14.96	1509	515556	Dieldrin	0.002927	0.014635	0.100000			J
16.14		261								
16.69		516								
16.91		126								
18.14		144								
20.00		182								
20.34		463								
20.40	20.33 20.47	32402	408350	Decachlorobiphenyl	0.079346	0.396731		66.1	30 - 135	
22.04		267								
22.09		253								
22.81		186								

Data File: /chem/tracegc84.i/j100528x_2C.b/264j1005187-05.d

Date : 05-JUN-2010 23:12

Client ID: BBG-GW03

Instrument: tracegc84.i

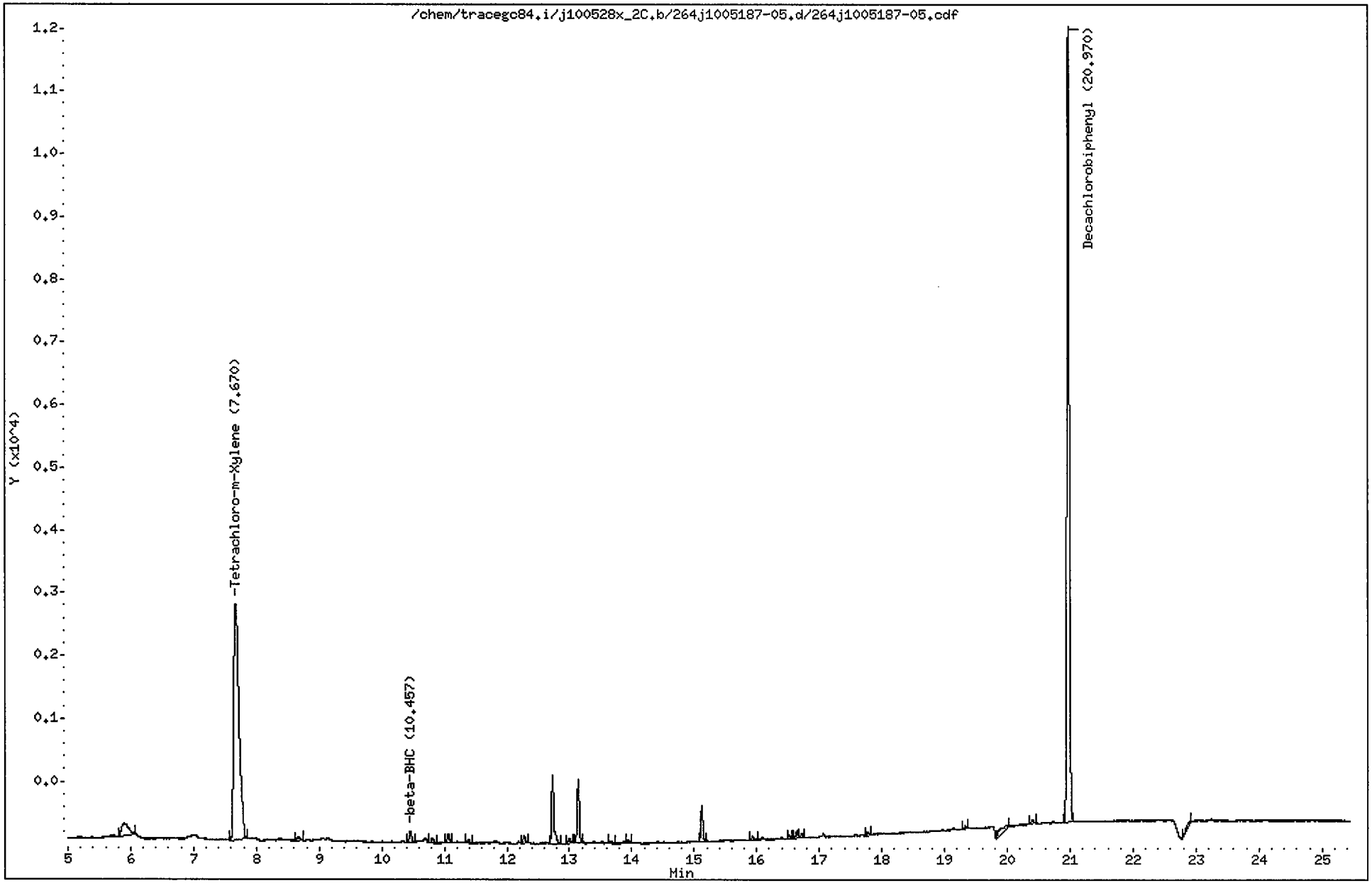
Sample Info: 1005187-05

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005187-05 Client Smp Id : BBG-GW03
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 23:12 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528x_2C.b/8081A_clpest2v6.m
Misc. Info : BBG-GW03

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.44		33014								
1.86		85261								
3.39		383								
5.90		1514								
7.67	7.61 7.75	22084	416798	Tetrachloro-m-Xylene	0.052985	0.264925		88.3	25 - 140	
8.68		225								
10.46	10.41 10.55	493	248610	beta-BHC	0.001983	0.009915	0.050000			J
10.81		200								
11.06		360								
11.39		116								
12.28		281								
12.73		2794								
13.00		225								
13.14		2232								
13.66		118								
13.94		93								
15.12		1268								
15.93		140								
16.52		122								
16.64		260								
16.72		162								
17.77		148								
19.33		111								
19.98		693								
20.40		155								
20.97	20.90 21.04	32720	406698	Decachlorobiphenyl	0.080450	0.402252		67.0	30 - 135	
22.91		249								

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1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBG-GW03UCH

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 1005187-13

Sample wt/vol: 975.0 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/27/10

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/28/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/06/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.051	U
319-85-7	beta-BHC	0.051	U
319-84-6	alpha-BHC	0.051	U
319-86-8	delta-BHC	0.051	U
58-89-9	gamma-BHC (Lindane)	0.051	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.0061	JP
60-57-1	Dieldrin	0.0065	JP
959-98-8	Endosulfan I	0.013	JP
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.051	U
1024-57-3	Heptachlor Epoxide	0.051	U
72-43-5	Methoxychlor	0.51	U
8001-35-2	Toxaphene	2.6	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.051	U
5103-71-9	alpha-Chlordane	0.0078	JP

Data File: /chem/tracegc84.i/j100528z.b/284j1005187-13.d

Page 1

Date : 06-JUN-2010 08:51

Client ID: BBG-GW03UCH

Instrument: tracegc84.i

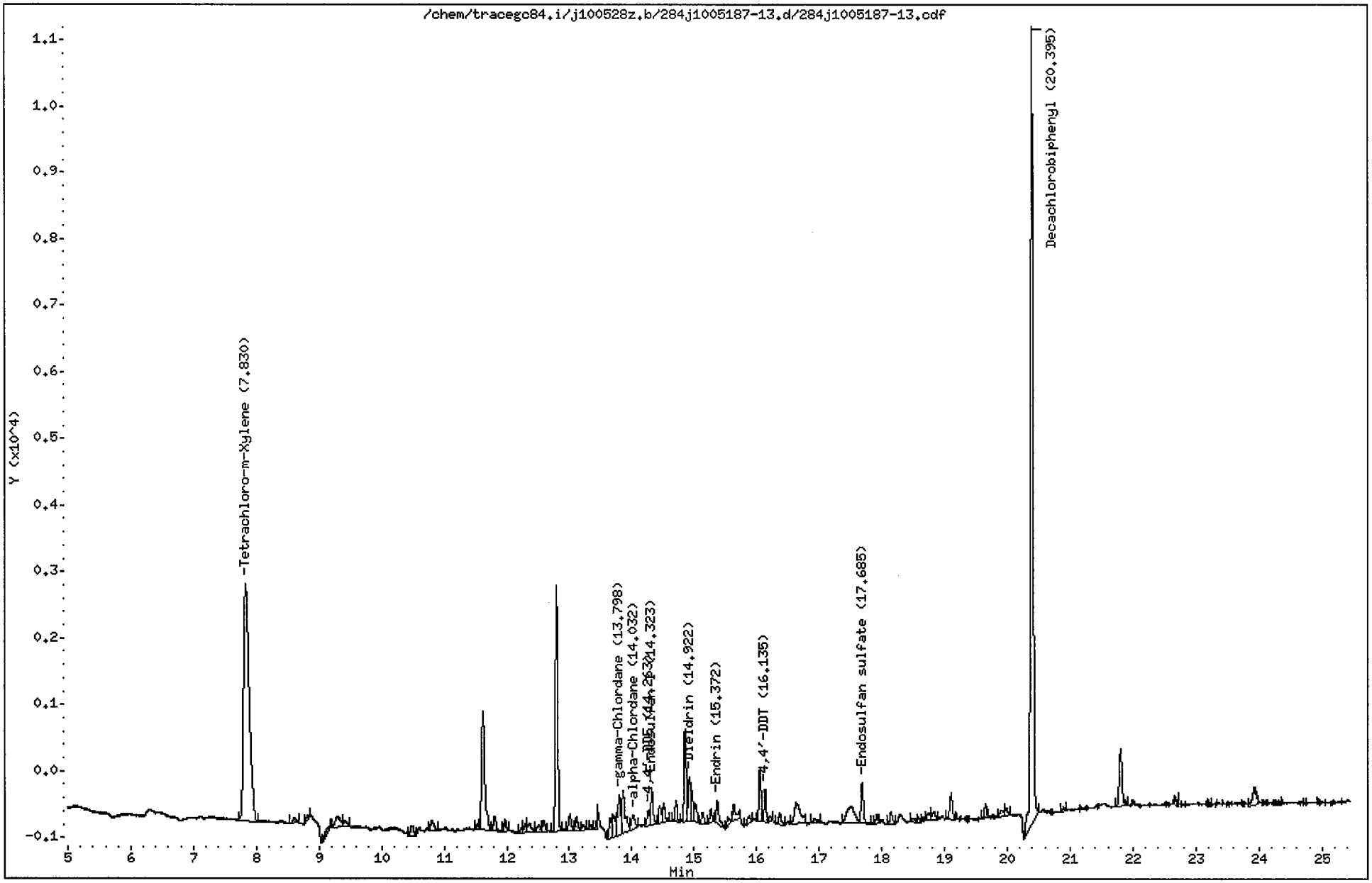
Sample Info: 1005187-13

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005187-13 Client Smp Id : BBG-GW03UCH
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 08:51 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528z.b/8081A_clpestv6.m
Misc. Info : BBG-GW03UCH

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 975.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.47			34171								
2.07			5915								
3.63			283								
4.05			913								
7.83	7.77	7.91	22204	522758	Tetrachloro-m-Xylene	0.042475	0.217819		70.8	25 - 140	
8.61			298								
8.82			219								
9.17			338								
9.30			830								
9.42			339								
10.49			540								
10.81			496								
11.54			203								
11.62			6337								
11.81			644								
11.97			389								
12.24			176								
12.30			389								
12.37			588								
12.51			340								
12.59			507								
12.80			9542								
13.01			760								
13.11			516								
13.21			182								
13.35			133								
13.46			347								
13.66			848								
13.71			1014								
13.80	13.70	13.84	1953	594875	gamma-Chlordane	0.003281	0.016827	0.051282			J
13.86			2198								
14.03	14.00	14.14	789	516712	alpha-Chlordane	0.001527	0.007831	0.051282			J
14.26	14.19	14.33	579	523741	4,4'-DDE	0.001106	0.005669	0.102564			J
14.32	14.29	14.43	1395	548162	Endosulfan I	0.002545	0.013051	0.051282			J
14.45			693								
14.52			751								
14.71			748								

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CompuChem

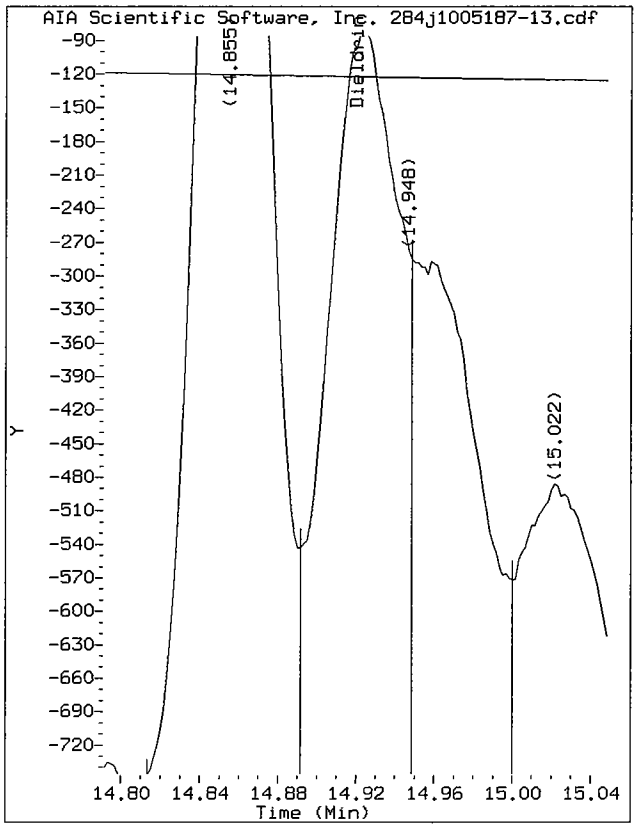
Lab Smp Id : 1005187-13 Client Smp Id : BBG-GW03UCH
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 08:51 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528z.b/8081A_clpestv6.m
Misc. Info : BBG-GW03UCH

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 975.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
14.86		3167								
14.92	14.82 14.96	1739	515556	Dieldrin	0.003373	0.017298	0.102564			JM2
14.95		1105								
15.02		787								
15.14		532								
15.27		486								
15.37	15.33 15.47	1104	463071	Endrin	0.002384	0.012226	0.102564			J
15.54		278								
15.63		893								
15.88		317								
16.05		1877								
16.14	16.08 16.22	1054	454781	4,4'-DDT	0.002318	0.011885	0.102564			J
16.21		194								
16.37		505								
16.63		2114								
16.93		217								
17.52		2186								
17.68	17.65 17.79	1603	392055	Endosulfan sulfate	0.004086	0.020955	0.102564			J
17.92		306								
18.14		527								
18.49		203								
18.59		128								
18.66		134								
18.74		370								
18.83		480								
19.10		1205								
19.66		534								
19.93		331								
19.99		357								
20.40	20.33 20.47	32941	408350	Decachlorobiphenyl	0.080666	0.413672		67.2	30 - 135	
20.90		146								
21.80		2652								
22.68		220								
23.19		145								
23.93		1095								

Manually Integrated Peaks



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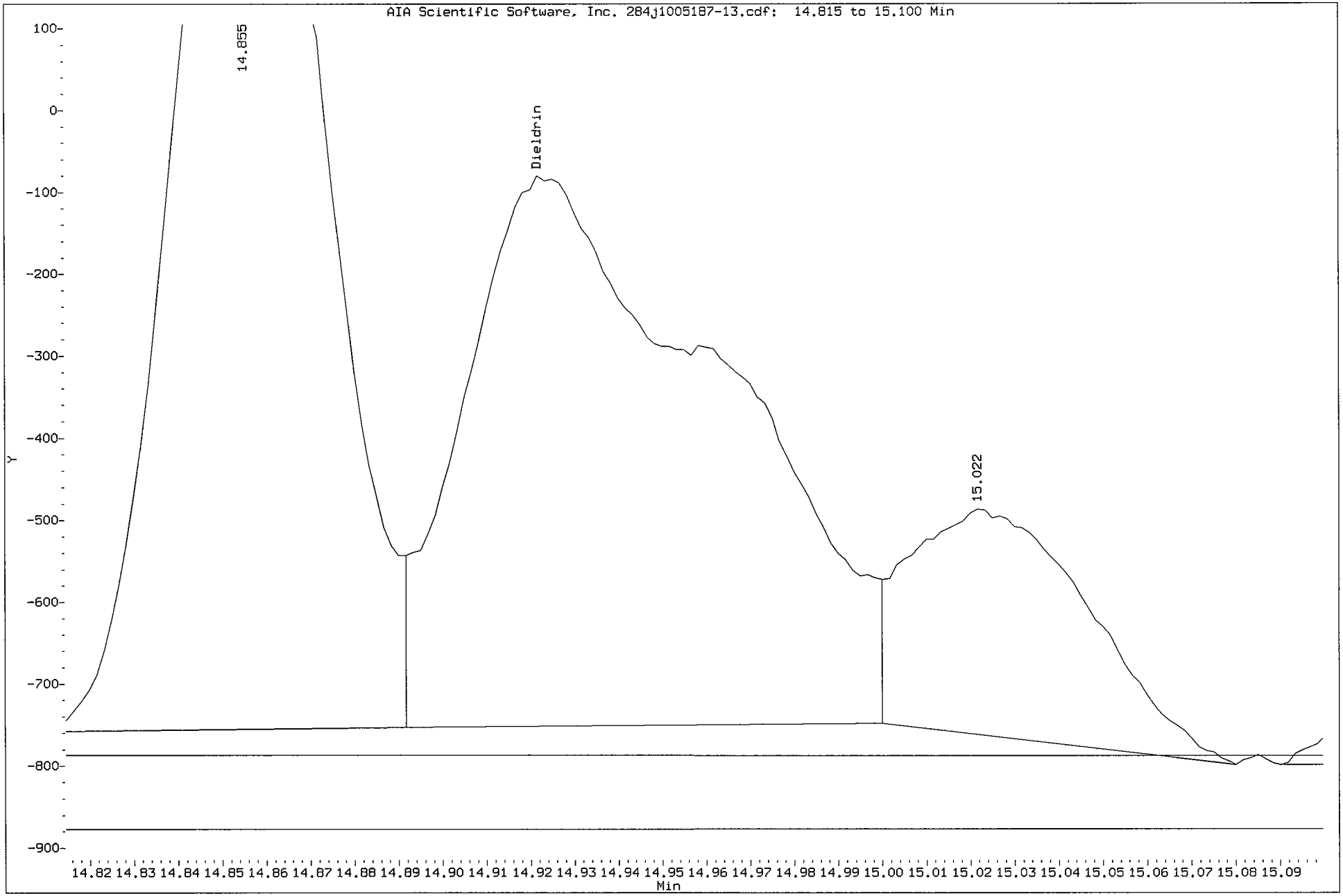
Injection Date: 06-JUN-2010 08:51
Instrument: tracegc84.i
Client Sample ID: BBG-GW03UCH



Data File: /chem/tracegc84.i/j100528z_2C.b/284j1005187-13.d

Date : 06-JUN-2010 08:51

Client ID: BBG-GW03UCH

Instrument: tracegc84.i

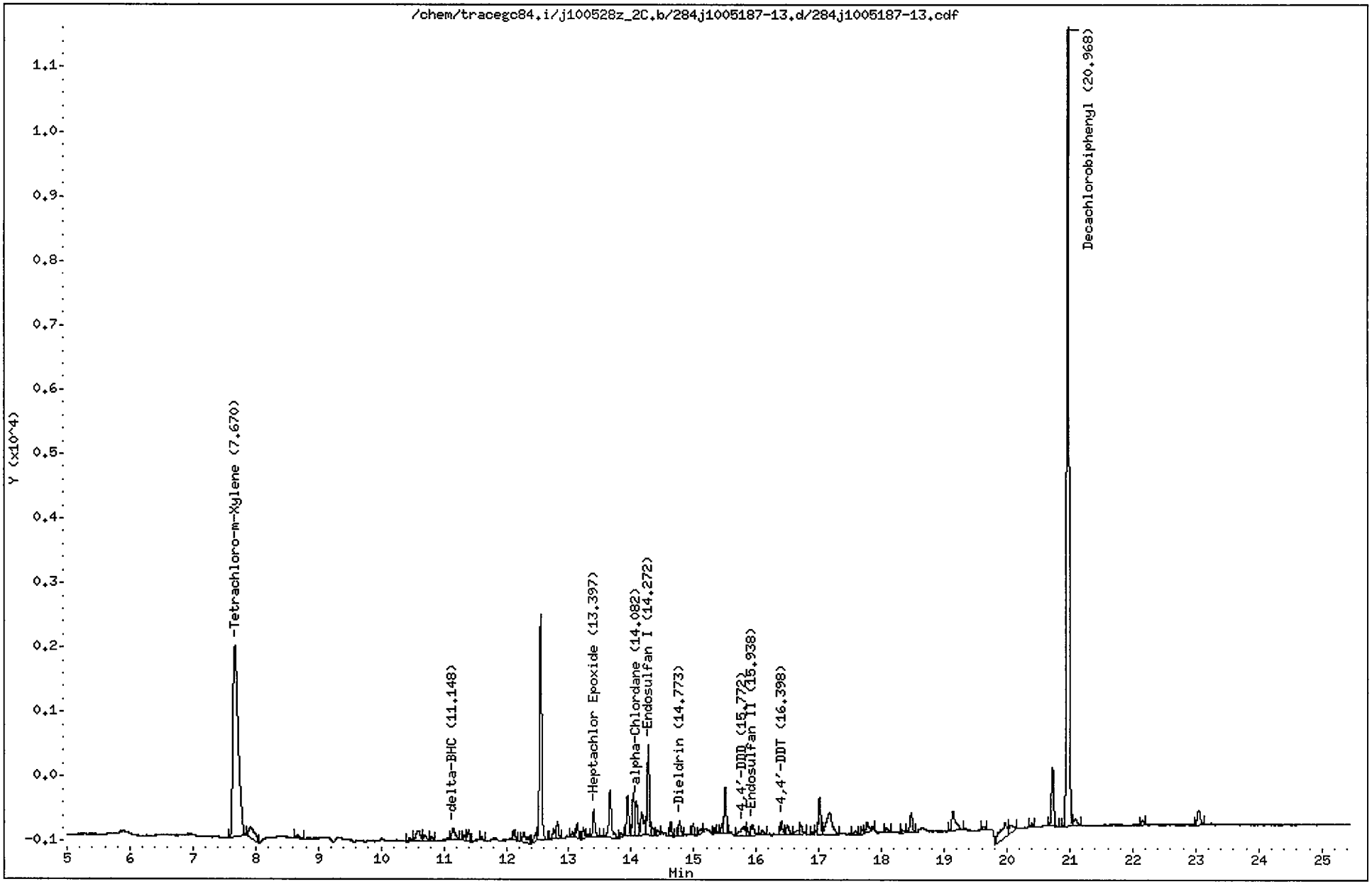
Sample Info: 1005187-13

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005187-13 Client Smp Id : BBG-GW03UCH
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 08:51 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528z_2C.b/8081A_clpest2v6.m
Misc. Info : BBG-GW03UCH

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 975.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.45		22151								
1.88		135575								
3.42		904								
7.67	7.61 7.75	17382	416798	Tetrachloro-m-Xylene	0.041704	0.213865		69.5	25 - 140	
7.92		1176								
8.66		205								
10.46		170								
10.60		843								
10.70		308								
10.81		199								
11.15	11.11 11.25	613	551235	delta-BHC	0.001110	0.005694	0.051282			J
11.33		180								
11.40		435								
11.61		121								
12.13		355								
12.28		636								
12.48		431								
12.55		8353								
12.76		417								
12.82		642								
13.06		157								
13.13		492								
13.23		355								
13.31		105								
13.40	13.29 13.43	1016	511912	Heptachlor Epoxide	0.001985	0.010178	0.051282			J
13.66		2210								
13.83		182								
13.94		1500								
14.04		1628								
14.08	14.04 14.18	1336	446248	alpha-Chlordane	0.002992	0.015342	0.051282			J
14.17		1340								
14.27	14.15 14.29	3115	477982	Endosulfan I	0.006517	0.033420	0.051282			JM
14.34		321								
14.42		165								
14.63		460								
14.77	14.75 14.89	590	461929	Dieldrin	0.001275	0.006539	0.102564			J
14.99		416								

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CompuChem

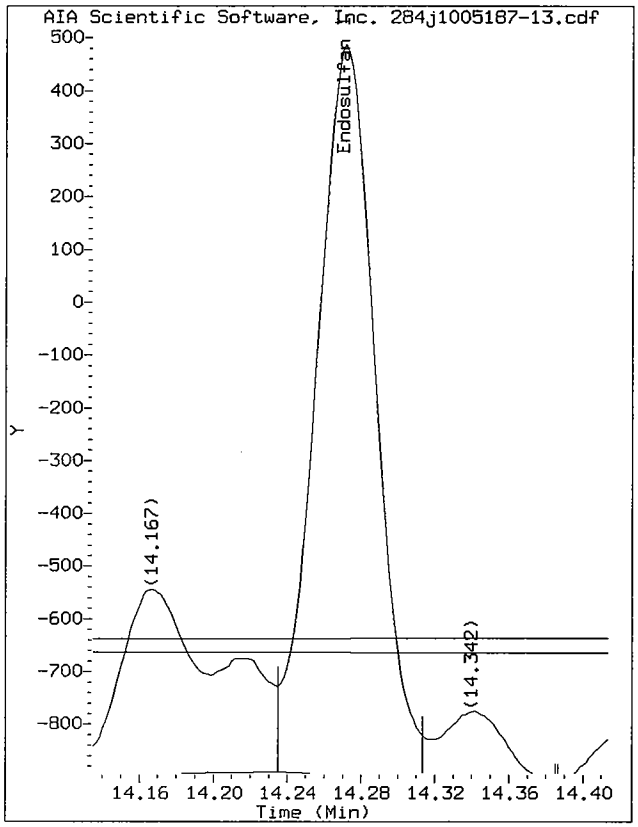
Lab Smp Id : 1005187-13 Client Smp Id : BBG-GW03UCH
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 08:51 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528z_2C.b/8081A_clpest2v6.m
Misc. Info : BBG-GW03UCH

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 975.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
15.11		231								
15.33		169								
15.46		299								
15.51		1614								
15.77	15.67 15.81	766	340626	4,4'-DDD	0.002249	0.011532	0.102564			J
15.86		261								
15.94	15.86 16.00	538	404930	Endosulfan II	0.001326	0.006801	0.102564			J
16.10		258								
16.40	16.33 16.47	485	405929	4,4'-DDT	0.001192	0.006114	0.102564			J
16.50		421								
16.67		248								
16.71		385								
16.90		92								
17.01		1388								
17.17		2220								
17.58		135								
17.69		137								
17.77		514								
18.08		229								
18.33		93								
18.47		834								
19.14		1333								
19.63		129								
19.97		1689								
20.07		579								
20.40		132								
20.73		2240								
20.97	20.90 21.04	31835	406698	Decachlorobiphenyl	0.078277	0.401420		65.2	30 - 135	
21.09		431								
22.15		197								
23.05		789								

Manually Integrated Peaks



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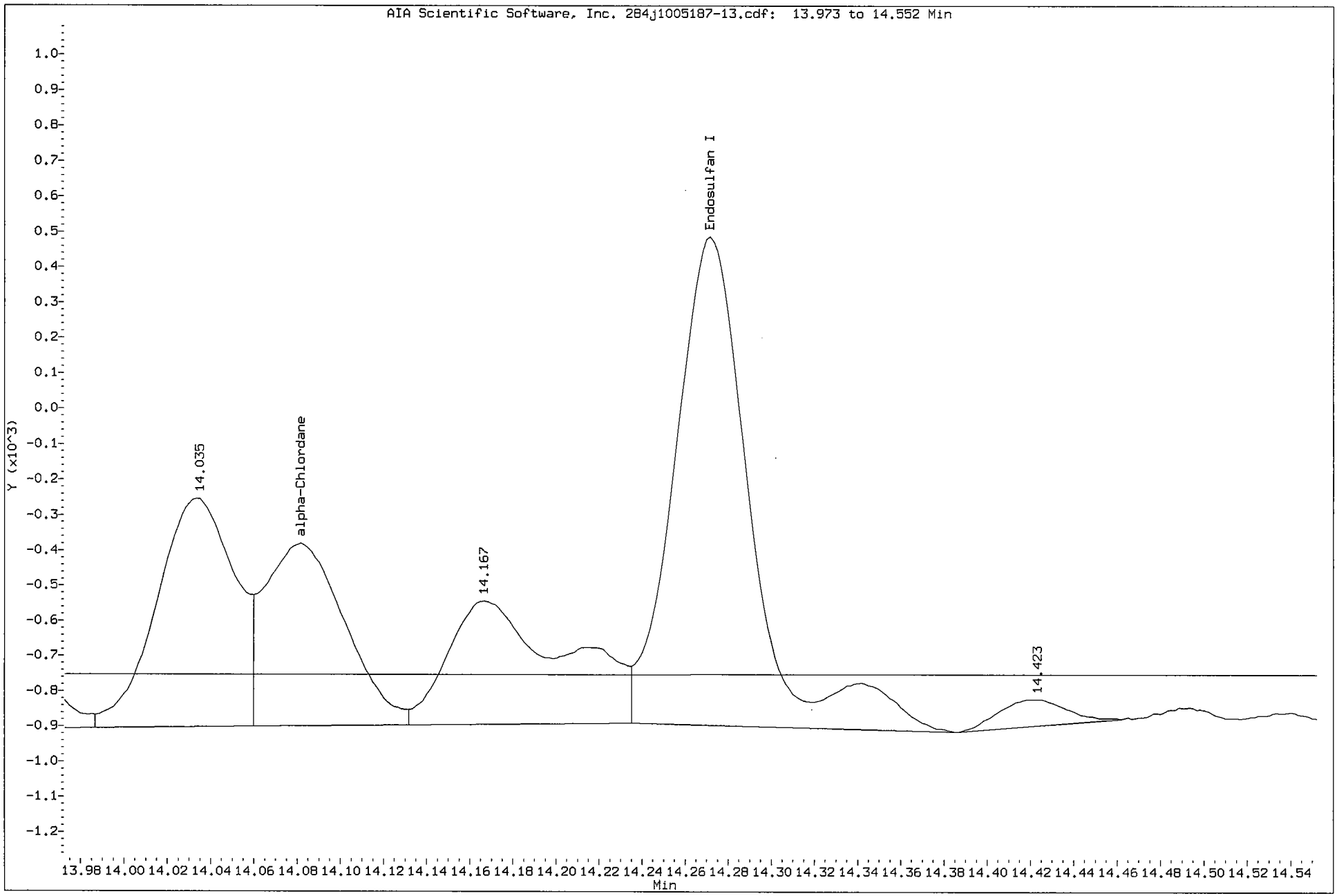
Injection Date: 06-JUN-2010 08:51
Instrument: tracegc84.i
Client Sample ID: BBG-GW03UCH



1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBG-GW04

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 1005187-12

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/27/10

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/28/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/06/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.056	U
319-85-7	beta-BHC	0.056	U
319-84-6	alpha-BHC	0.056	U
319-86-8	delta-BHC	0.056	U
58-89-9	gamma-BHC (Lindane)	0.056	U
72-54-8	4,4'-DDD	0.11	U
72-55-9	4,4'-DDE	0.11	U
50-29-3	4,4'-DDT	0.11	U
60-57-1	Dieldrin	0.11	U
959-98-8	Endosulfan I	0.056	U
33213-65-9	Endosulfan II	0.0075	J
1031-07-8	Endosulfan sulfate	0.11	U
72-20-8	Endrin	0.11	U
7421-93-4	Endrin Aldehyde	0.11	U
76-44-8	Heptachlor	0.056	U
1024-57-3	Heptachlor Epoxide	0.0068	JP
72-43-5	Methoxychlor	0.56	U
8001-35-2	Toxaphene	2.8	U
53494-70-5	Endrin Ketone	0.11	U
5103-74-2	gamma-Chlordane	0.056	U
5103-71-9	alpha-Chlordane	0.056	U

Data File: /chem/tracegc84.i/j100528y.b/279j1005187-12.d

Page 1

Date : 06-JUN-2010 06:26

Client ID: BBG-GW04

Instrument: tracegc84.i

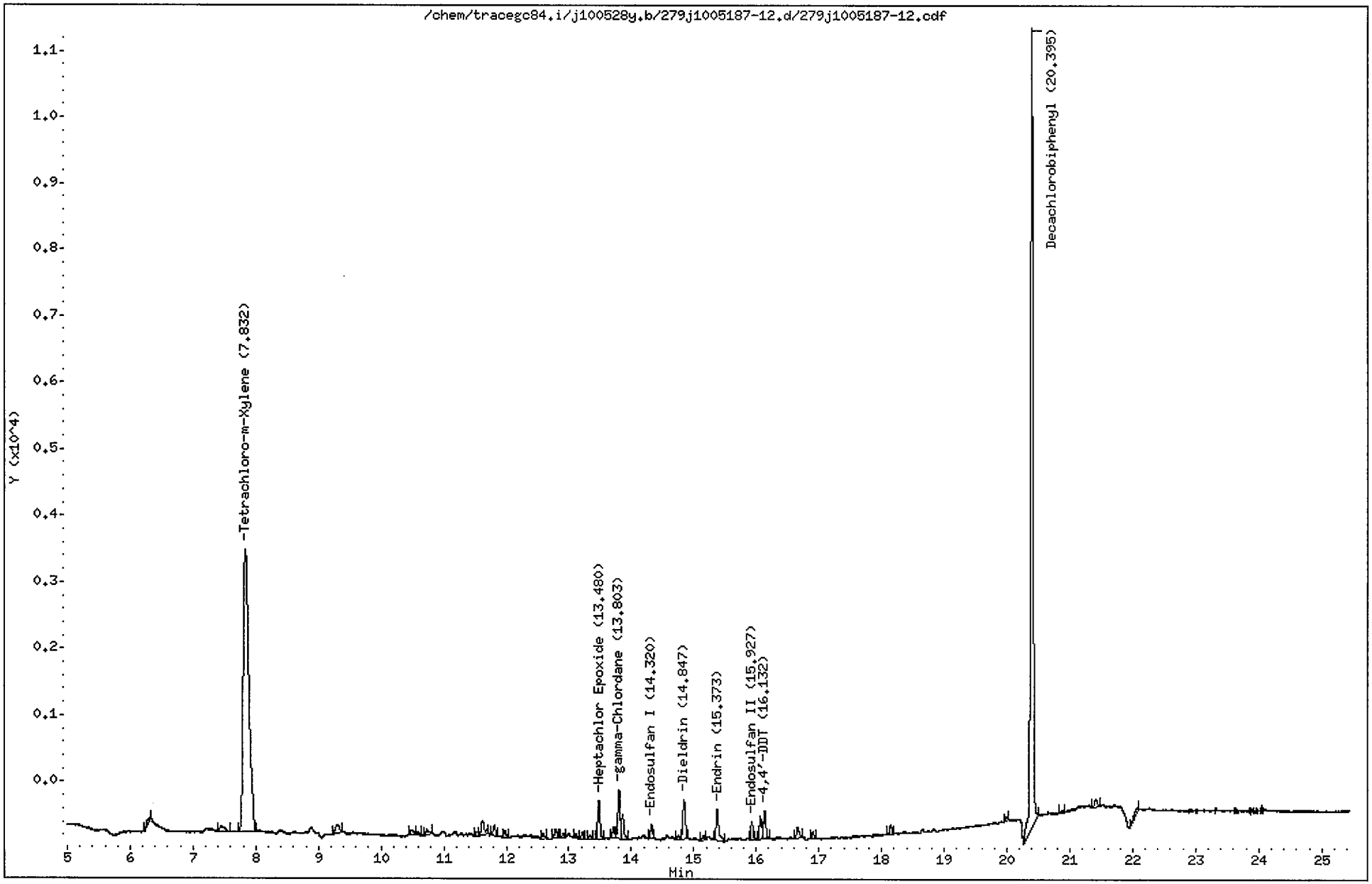
Sample Info: 1005187-12

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005187-12 Client Smp Id : BBG-GW04
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 06:26 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528y.b/8081A_clpestv6.m
Misc. Info : BBG-GW04

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 900.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.46			54000								
2.07			121682								
3.65			901								
4.00			441								
4.76			144								
6.30			278								
7.46			439								
7.83	7.77	7.91	26276	522758	Tetrachloro-m-Xylene	0.050262	0.279235		83.8	25 - 140	
9.29			540								
10.48			272								
10.58			145								
10.73			293								
11.53			146								
11.62			763								
11.81			435								
11.98			284								
12.59			196								
12.79			372								
12.92			177								
13.11			159								
13.21			228								
13.35			158								
13.48	13.42	13.56	1485	593700	Heptachlor Epoxide	0.002500	0.013887	0.055556			J
13.72			410								
13.80	13.70	13.84	1835	594875	gamma-Chlordane	0.003085	0.017137	0.055556			J
13.86			946								
14.32			483								
14.76			151								
14.85	14.82	14.96	1698	515556	Dieldrin	0.003292	0.018287	0.111111			J
15.15			135								
15.37	15.33	15.47	1450	463071	Endrin	0.003131	0.017396	0.111111			J
15.93	15.81	15.95	607	450326	Endosulfan II	0.001348	0.007488	0.111111			J
16.06			865								
16.13	16.08	16.22	1121	454781	4,4'-DDT	0.002465	0.013694	0.111111			J
16.66			498								
16.90			228								
18.14			356								

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CompuChem

Lab Smp Id : 1005187-12 Client Smp Id : BBG-GW04
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 06:26 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528y.b/8081A_clpestv6.m
Misc. Info : BBG-GW04

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 900.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
20.00		124								
20.40	20.33 20.47	32577	408350	Decachlorobiphenyl	0.079775	0.443193		66.5	30 - 135	
20.87		129								
21.41		394								
22.07		288								

Data File: /chem/tracegc84.i/j100528y_2C.b/279j1005187-12.d

Page 1

Date : 06-JUN-2010 06:26

Client ID: BBG-GW04

Instrument: tracegc84.i

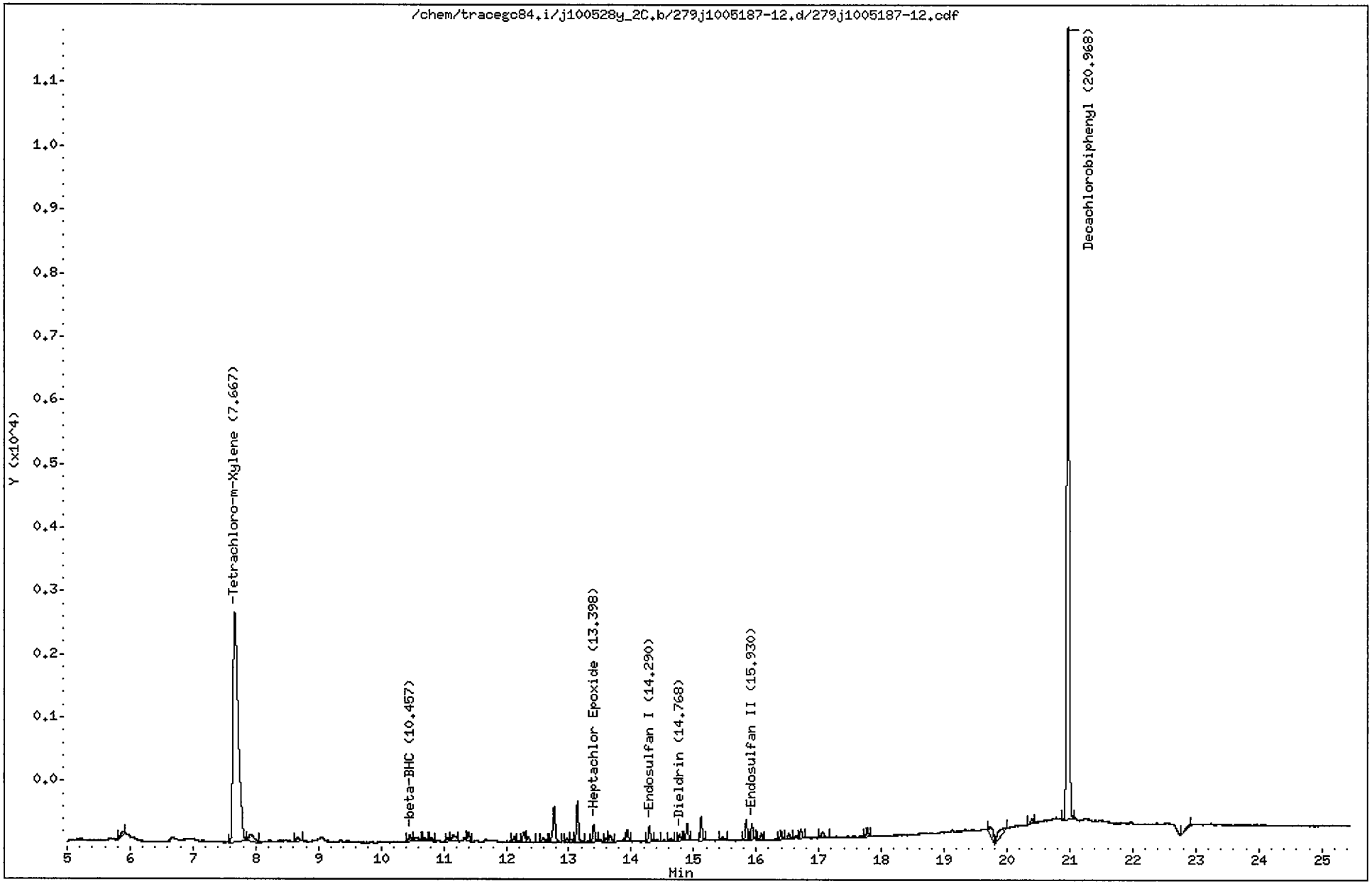
Sample Info: 1005187-12

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005187-12 Client Smp Id : BBG-GW04
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 06:26 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528y_2C.b/8081A_clpest2v6.m
Misc. Info : BBG-GW04

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 900.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.45		9384								
1.90		3087								
3.01		2249								
5.88		187								
7.67	7.61 7.75	20920	416798	Tetrachloro-m-Xylene	0.050192	0.278846		83.7	25 - 140	
7.92		546								
8.67		219								
10.46	10.41 10.55	295	248610	beta-BHC	0.001187	0.006592	0.055556			J
10.55		220								
10.70		106								
10.80		120								
11.06		132								
11.16		372								
11.39		371								
12.12		172								
12.28		408								
12.35		305								
12.59		237								
12.77		1553								
12.96		133								
13.03		151								
13.14		1491								
13.40	13.29 13.43	625	511912	Heptachlor Epoxide	0.001219	0.006772	0.055556			J
13.59		178								
13.66		350								
13.94		413								
14.29	14.15 14.29	602	477982	Endosulfan I	0.001259	0.006997	0.055556			J
14.41		97								
14.62		138								
14.77		221								
14.89		579								
15.12		827								
15.46		137								
15.84		663								
15.93	15.86 16.00	564	404930	Endosulfan II	0.001390	0.007724	0.111111			J
16.09		229								
16.39		282								

CompuChem

Lab Smp Id : 1005187-12 Client Smp Id : BBG-GW04
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 06:26 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528y_2C.b/8081A_clpest2v6.m
Misc. Info : BBG-GW04

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 900.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
16.52		221								
16.71		303								
17.07		212								
17.77		314								
19.74		638								
19.99		896								
20.40		203								
20.97	20.90 21.04	31866	406698	Decachlorobiphenyl	0.078353	0.435295		65.3	30 - 135	
22.92		231								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBG-GW07

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 1005187-10

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/27/10

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/28/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/06/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.0055	JP
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

FORM I PEST

Data File: /chem/tracegc84.i/j100528y.b/277j1005187-10.d

Page 1

Date : 06-JUN-2010 05:28

Client ID: BBG-GW07

Instrument: tracegc84.i

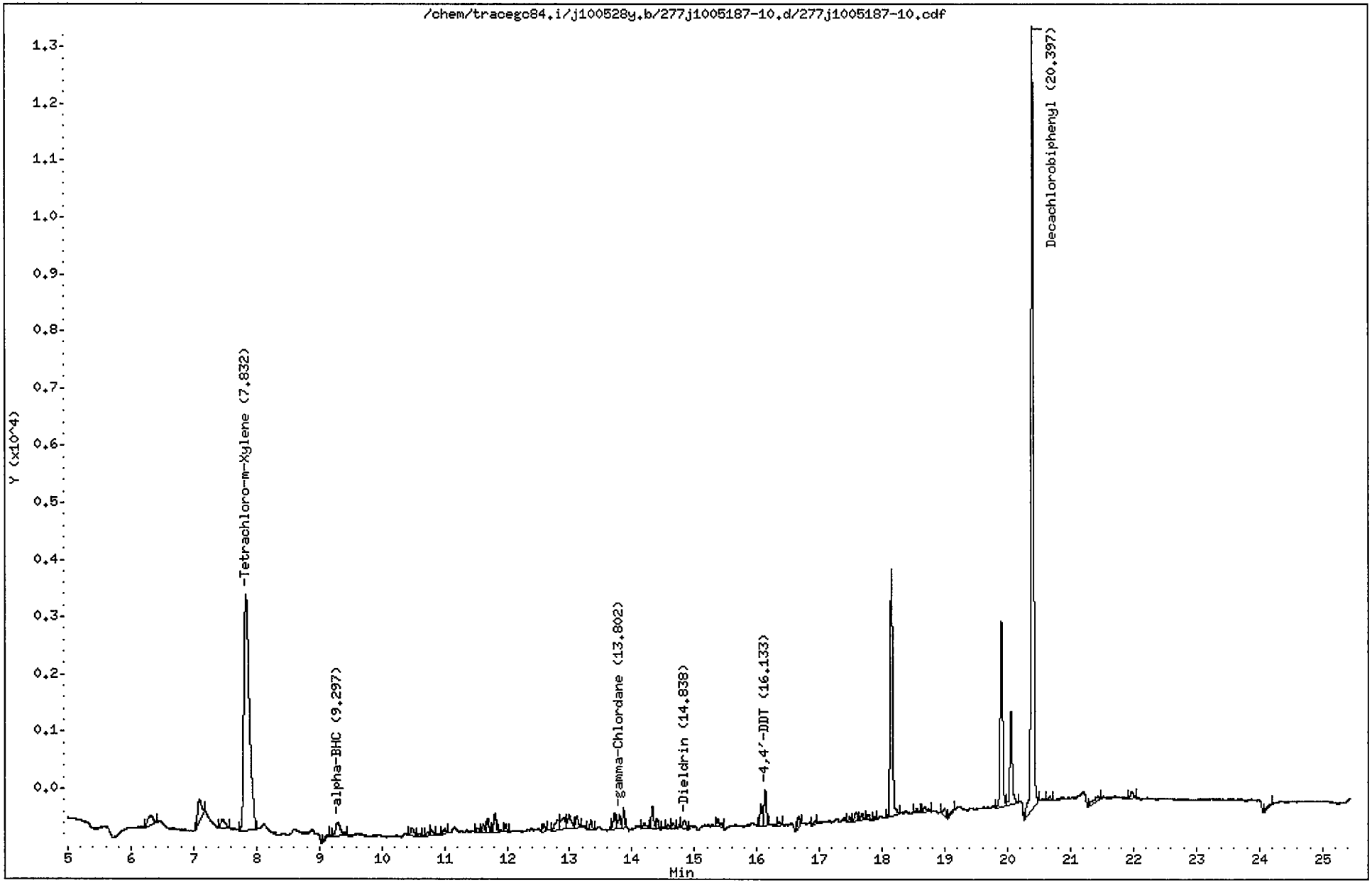
Sample Info: 1005187-10

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005187-10 Client Smp Id : BBG-GW07
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 05:28 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528y.b/8081A_clpestv6.m
Misc. Info : BBG-GW07

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.47			33717								
2.07			2535								
3.65			17641								
4.01			12205								
4.78			2731								
6.30			1004								
7.09			1663								
7.46			743								
7.83	7.77	7.91	24802	522758	Tetrachloro-m-Xylene	0.047445	0.237223		79.1	25 - 140	
9.13			177								
9.30	9.29	9.43	1265	775960	alpha-BHC	0.001629	0.008145	0.050000			J
10.49			487								
10.60			162								
10.74			194								
10.79			319								
11.00			239								
11.54			225								
11.62			364								
11.69			655								
11.81			946								
11.97			349								
12.59			309								
12.81			876								
12.91			1086								
12.99			985								
13.12			579								
13.34			369								
13.72			790								
13.80	13.70	13.84	673	594875	gamma-Chlordane	0.001131	0.005657	0.050000			J
13.87			680								
14.20			363								
14.32			1070								
14.41			424								
14.58			169								
14.66			290								
14.76			125								
14.84	14.82	14.96	528	515556	Dieldrin	0.001024	0.005121	0.100000			J

CompuChem

Lab Smp Id : 1005187-10 Client Smp Id : BBG-GW07
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 05:28 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528y.b/8081A_clpestv6.m
Misc. Info : BBG-GW07

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
15.37		484								
16.07		971								
16.13	16.08 16.22	1666	454781	4,4'-DDT	0.003663	0.018316	0.100000			J
16.35		165								
16.67		529								
16.92		134								
17.48		160								
17.58		458								
17.68		295								
17.78		242								
17.88		136								
18.15		11473								
18.55		202								
18.68		407								
18.99		392								
19.14		156								
19.90		8712								
20.05		4352								
20.40	20.33 20.47	36223	408350	Decachlorobiphenyl	0.088706	0.443529		73.9	30 - 135	
20.68		176								
21.44		609								
21.98		372								
24.19		239								

Data File: /chem/tracegc84.i/j100528y_2C.b/277j1005187-10.d

Page 1

Date : 06-JUN-2010 05:28

Client ID: BBG-GW07

Instrument: tracegc84.i

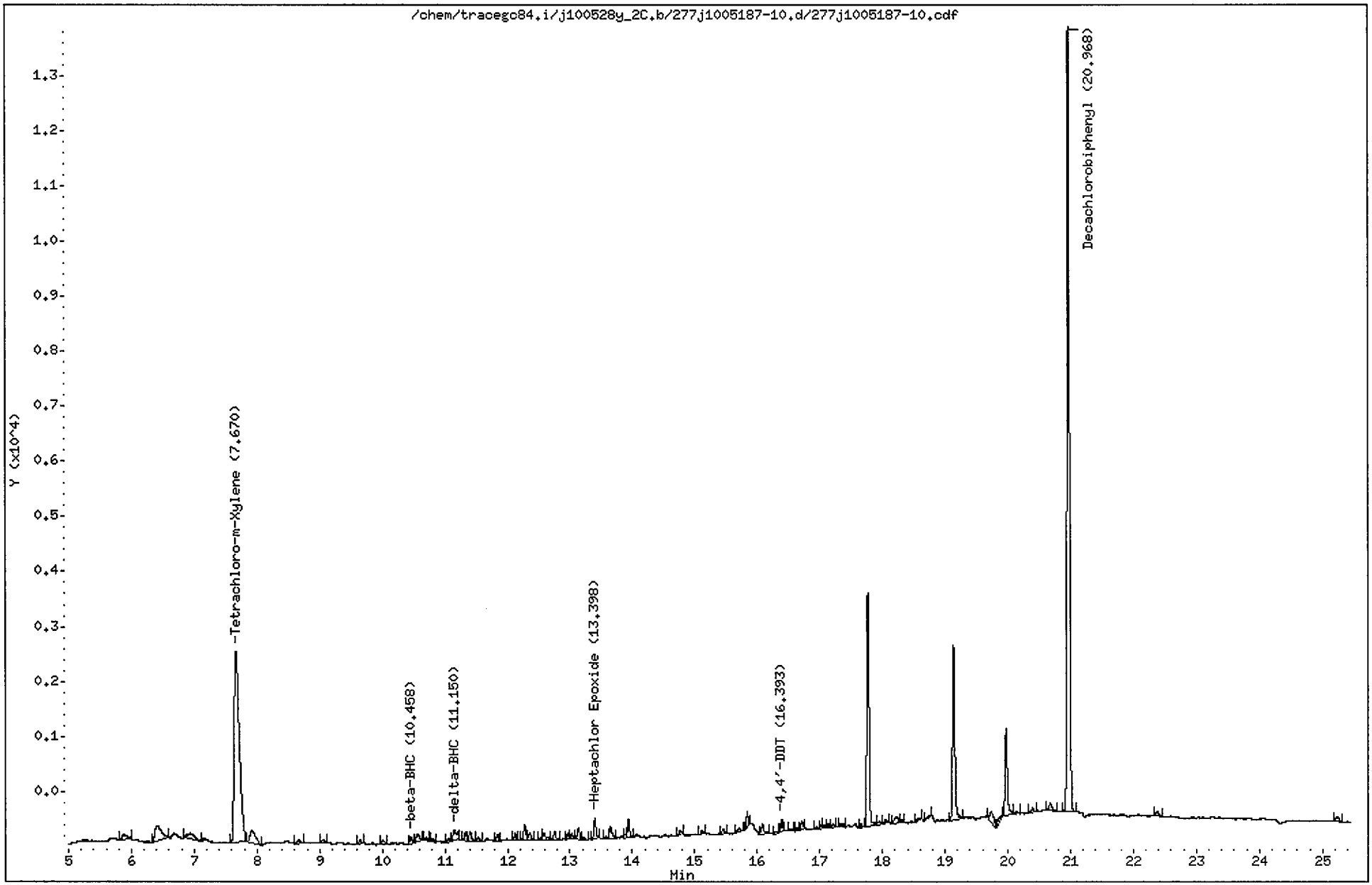
Sample Info: 1005187-10

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005187-10 Client Smp Id : BBG-GW07
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 05:28 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528y_2C.b/8081A_clpest2v6.m
Misc. Info : BBG-GW07

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.45		18980								
1.91		128934								
3.03		7093								
4.05		705								
5.89		571								
6.41		2003								
6.95		951								
7.67	7.61 7.75	20053	416798	Tetrachloro-m-Xylene	0.048112	0.240560		80.2	25 - 140	
7.92		1451								
8.66		217								
9.06		192								
9.64		155								
10.02		176								
10.46	10.41 10.55	252	248610	beta-BHC	0.001014	0.005068	0.050000			J
10.56		420								
10.70		115								
10.81		148								
11.06		143								
11.15	11.11 11.25	731	551235	delta-BHC	0.001326	0.006631	0.050000			J
11.33		353								
11.40		377								
11.53		191								
11.85		286								
12.13		266								
12.28		750								
12.36		330								
12.56		138								
12.59		433								
12.76		482								
12.97		213								
13.03		209								
13.13		549								
13.22		112								
13.40	13.29 13.43	834	511912	Heptachlor Epoxide	0.001629	0.008146	0.050000			J
13.58		112								
13.65		602								
13.88		142								

6/9/10

CompuChem

Lab Smp Id : 1005187-10 Client Smp Id : BBG-GW07
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 05:28 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528y_2C.b/8081A_clpest2v6.m
Misc. Info : BBG-GW07

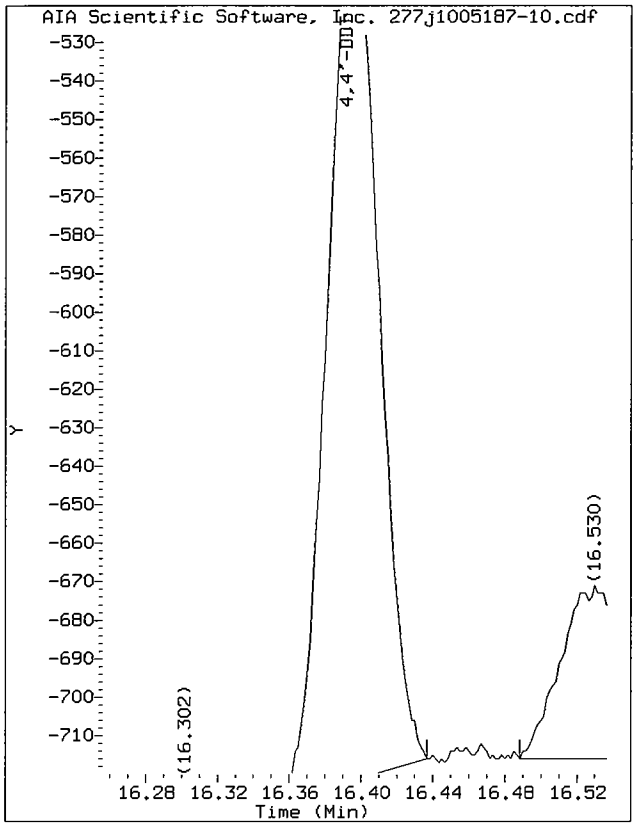
Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
13.94		755								
14.77		191								
15.12		140								
15.45		188								
15.72		229								
15.84		553								
16.08		507								
16.30		93								
16.39	16.33 16.47	447	405929	4,4'-DDT	0.001099	0.005494	0.100000			JM 2
16.53		123								
16.64		93								
16.71		330								
16.95		107								
17.02		127								
17.07		127								
17.14		157								
17.21		161								
17.34		176								
17.66		139								
17.77		10597								
17.95		158								
18.06		220								
18.22		489								
18.31		103								
18.57		185								
18.76		130								
19.14		7967								
19.73		811								
19.91		350								
19.97		3963								
20.14		118								
20.40		186								
20.68		488								
20.97	20.90 21.04	36064	406698	Decachlorobiphenyl	0.088673	0.443364		73.9	30 - 135	
22.37		304								
25.23		343								

6/9/10

Manually Integrated Peaks



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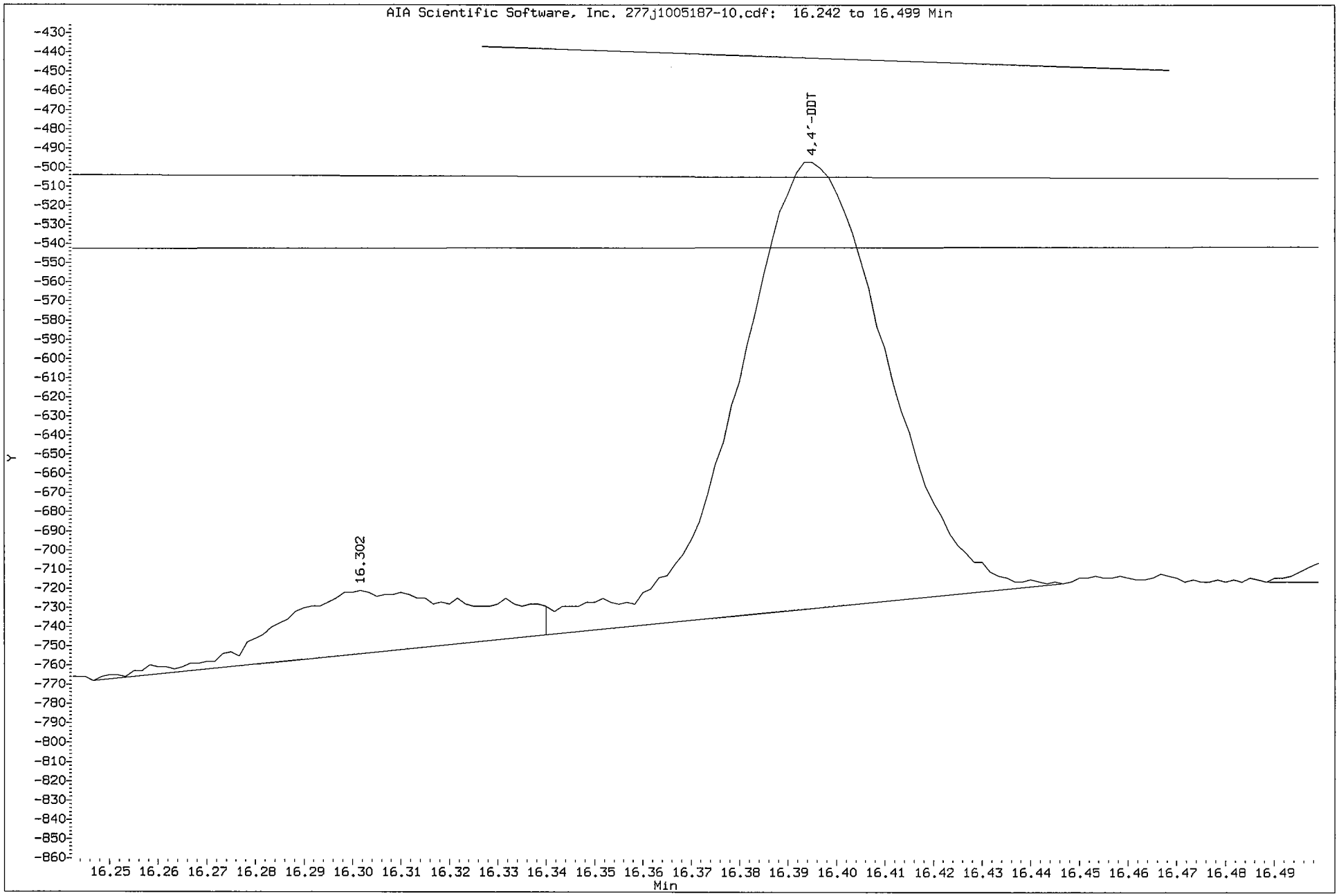
Injection Date: 06-JUN-2010 05:28
Instrument: tracegc84.i
Client Sample ID: BBG-GW07



1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBG-GW08

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 1005187-09

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/26/10

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/28/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/06/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

FORM I PEST

Data File: /chem/tracegc84.i/j100528y.b/276j1005187-09.d

Date : 06-JUN-2010 04:59

Client ID: BBG-GW08

Instrument: tracegc84.i

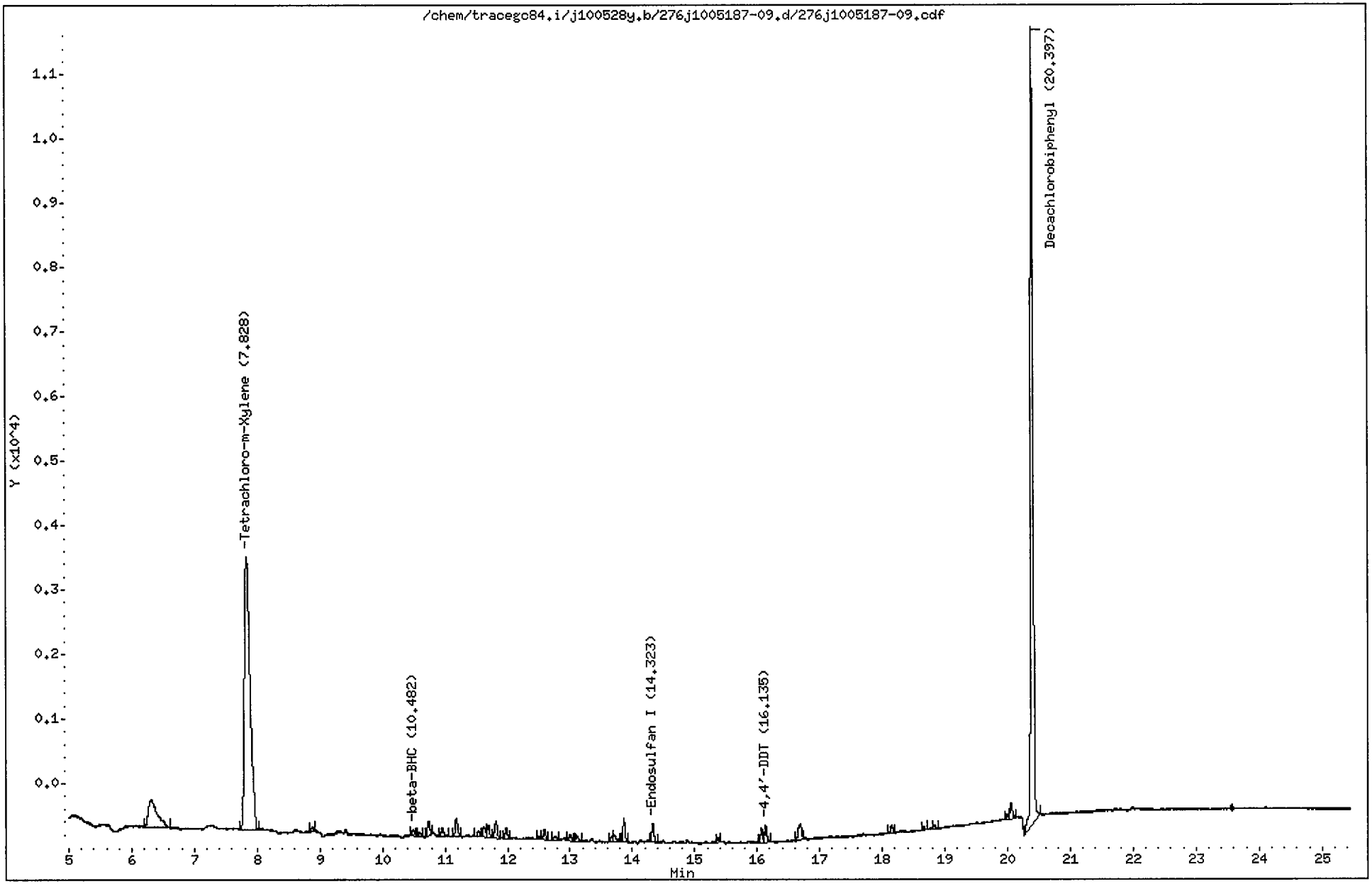
Sample Info: 1005187-09

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005187-09 Client Smp Id : BBG-GW08
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 04:59 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528y.b/8081A_clpestv6.m
Misc. Info : BBG-GW08

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.37			420								
1.47			49695								
2.07			173097								
3.65			514								
4.01			551								
6.32			4184								
7.83	7.77	7.91	26400	522758	Tetrachloro-m-Xylene	0.050501	0.252507		84.2	25 - 140	
8.88			155								
10.48			284								
10.59			187								
10.74			598								
10.95			427								
11.18			799								
11.54			249								
11.62			470								
11.69			492								
11.81			784								
11.97			409								
12.50			129								
12.59			405								
12.77			239								
12.99			289								
13.11			238								
13.67			220								
13.71			327								
13.86			875								
14.32	14.29	14.43	730	548162	Endosulfan I	0.001330	0.006649	0.050000			J
15.37			179								
16.06			530								
16.14	16.08	16.22	611	454781	4,4'-DDT	0.001341	0.006707	0.100000			J
16.69			920								
18.14			270								
18.66			131								
18.83			173								
20.00			195								
20.06			643								
20.40	20.33	20.47	33144	408350	Decachlorobiphenyl	0.081166	0.405828		67.6	30 - 135	

KEH 6/9/10

Data File: /chem/tracegc84.i/j100528y_2C.b/276j1005187-09.d

Page 1

Date : 06-JUN-2010 04:59

Client ID: BBG-GW08

Instrument: tracegc84.i

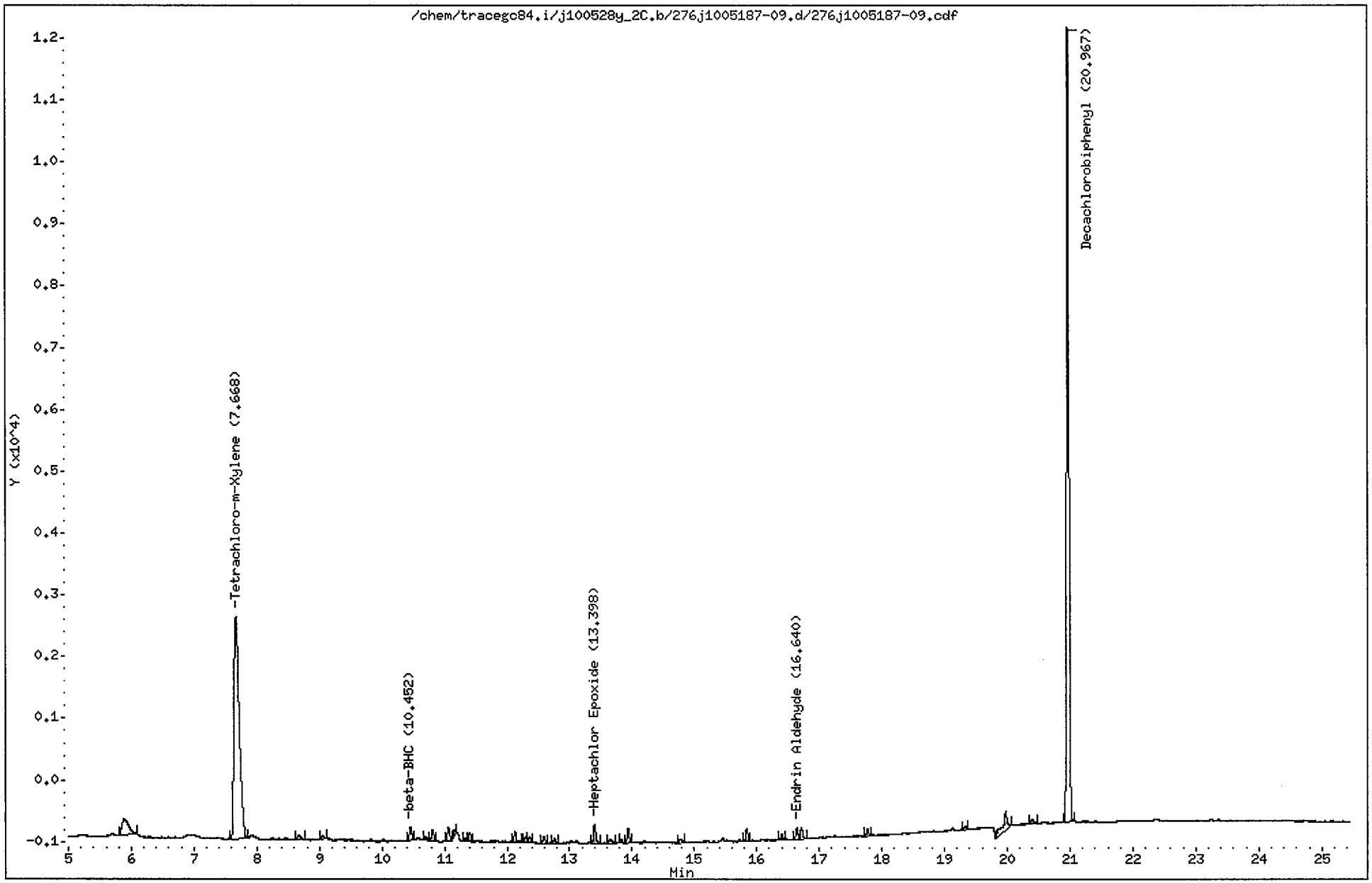
Sample Info: 1005187-09

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005187-09 Client Smp Id : BBG-GW08
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 04:59 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528y_2C.b/8081A_clpest2v6.m
Misc. Info : BBG-GW08

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.44		18360								
1.90		158740								
3.00		251								
3.45		914								
5.89		2049								
7.67	7.61 7.75	20982	416798	Tetrachloro-m-Xylene	0.050339	0.251693		83.9	25 - 140	
8.67		267								
9.05		149								
10.45	10.41 10.55	565	248610	beta-BHC	0.002269	0.011343	0.050000			J
10.70		165								
10.81		445								
11.06		519								
11.16		258								
11.33		92								
11.40		309								
12.12		405								
12.29		229								
12.36		207								
12.59		249								
12.76		174								
13.40	13.29 13.43	692	511912	Heptachlor Epoxide	0.001350	0.006749	0.050000			J
13.65		212								
13.83		125								
13.94		518								
14.78		173								
15.84		442								
16.40		188								
16.64	16.59 16.73	420	316985	Endrin Aldehyde	0.001322	0.006609	0.100000			J
16.71		451								
17.77		246								
19.33		117								
19.98		1520								
20.40		204								
20.97	20.90 21.04	32647	406698	Decachlorobiphenyl	0.080271	0.401355		66.9	30 - 135	

6/9/10

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBG-GW09

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 1005187-07

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/26/10

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/28/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/06/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.0053	JP
60-57-1	Dieldrin	0.0028	J
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

FORM I PEST

Data File: /chem/tracegc84.i/j100528y.b/274j1005187-07.d

Date : 06-JUN-2010 04:01

Client ID: BBG-GW09

Instrument: tracegc84.i

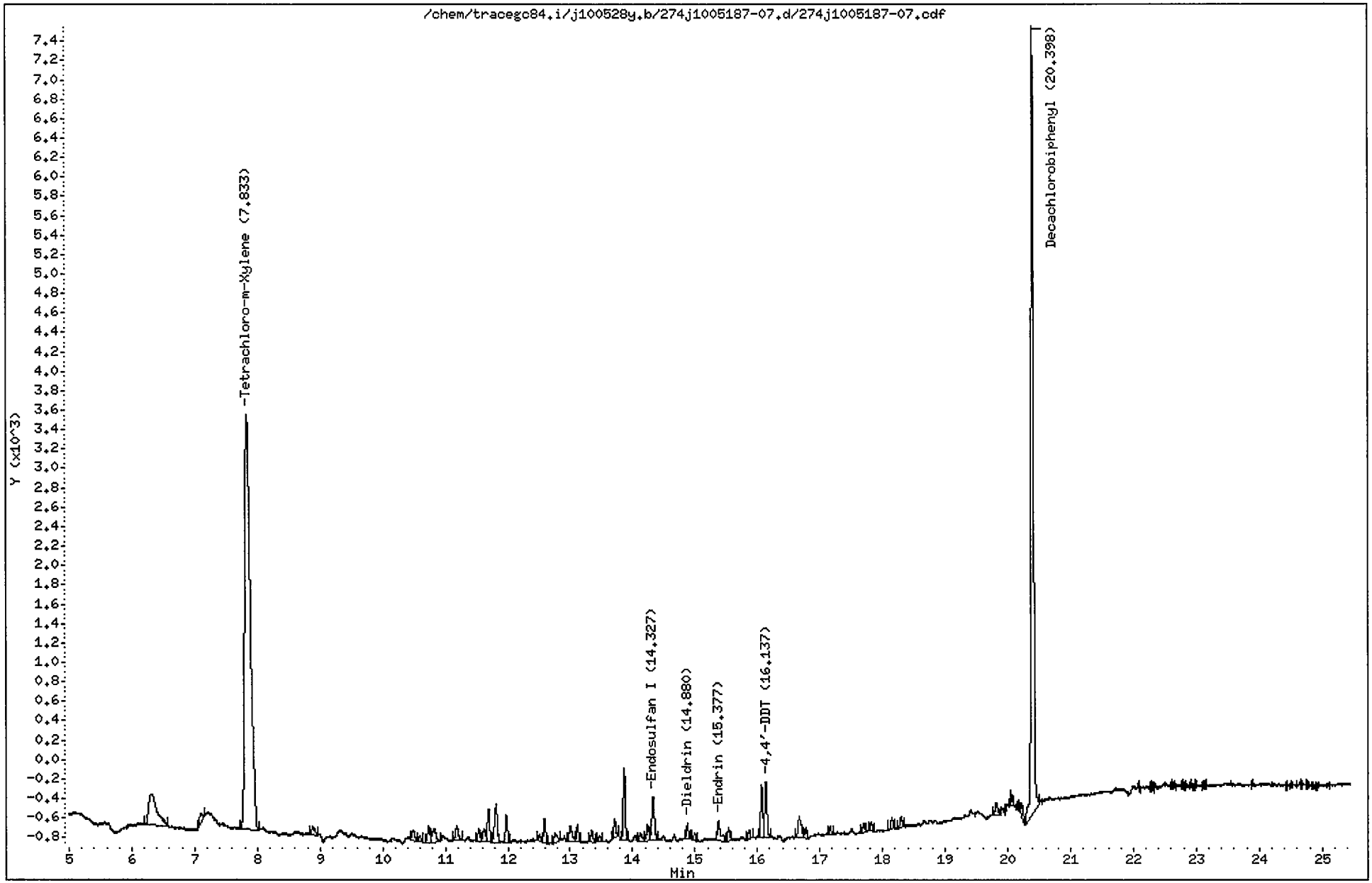
Sample Info: 1005187-07

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005187-07 Client Smp Id : BBG-GW09
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 04:01 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528y.b/8081A_clpestv6.m
Misc. Info : BBG-GW09

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.36			356								
1.47			48967								
2.08			155564								
3.65			712								
4.01			7357								
4.79			157								
6.32			2978								
7.11			314								
7.83	7.77	7.91	26476	522758	Tetrachloro-m-Xylene	0.050645	0.253224		84.4	25 - 140	
8.88			297								
10.49			334								
10.59			141								
10.73			476								
10.82			577								
11.19			434								
11.53			324								
11.62			366								
11.69			848								
11.81			1185								
11.98			665								
12.51			154								
12.59			614								
12.76			330								
13.00			560								
13.12			366								
13.35			289								
13.47			131								
13.71			412								
13.86			1667								
14.12			235								
14.24			433								
14.33	14.29	14.43	1298	548162	Endosulfan I	0.002366	0.011830	0.050000			J
14.88	14.82	14.96	335	515556	Dieldrin	0.000648	0.003239	0.100000			JM2
15.00			184								
15.38	15.33	15.47	652	463071	Endrin	0.001408	0.007040	0.100000			J
15.54			292								
15.87			228								

CompuChem

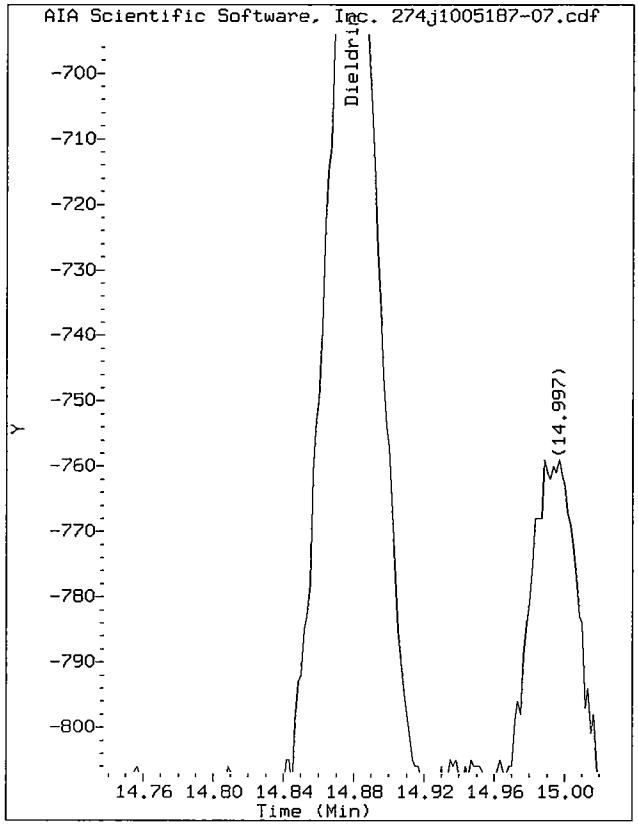
Lab Smp Id : 1005187-07 Client Smp Id : BBG-GW09
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 04:01 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528y.b/8081A_clpestv6.m
Misc. Info : BBG-GW09

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
16.07		1258								
16.14	16.08 16.22	1401	454781	4,4'-DDT	0.003078	0.015392	0.100000			J
16.67		756								
16.77		235								
17.17		171								
17.70		223								
17.82		230								
18.14		254								
18.30		270								
19.82		392								
20.05		192								
20.21		309								
20.40	20.33 20.47	22006	408350	Decachlorobiphenyl	0.053890	0.269450		44.9	30 - 135	
22.28		154								
22.79		164								
23.16		145								

Manually Integrated Peaks



Start: 14.84 Stop: 14.93

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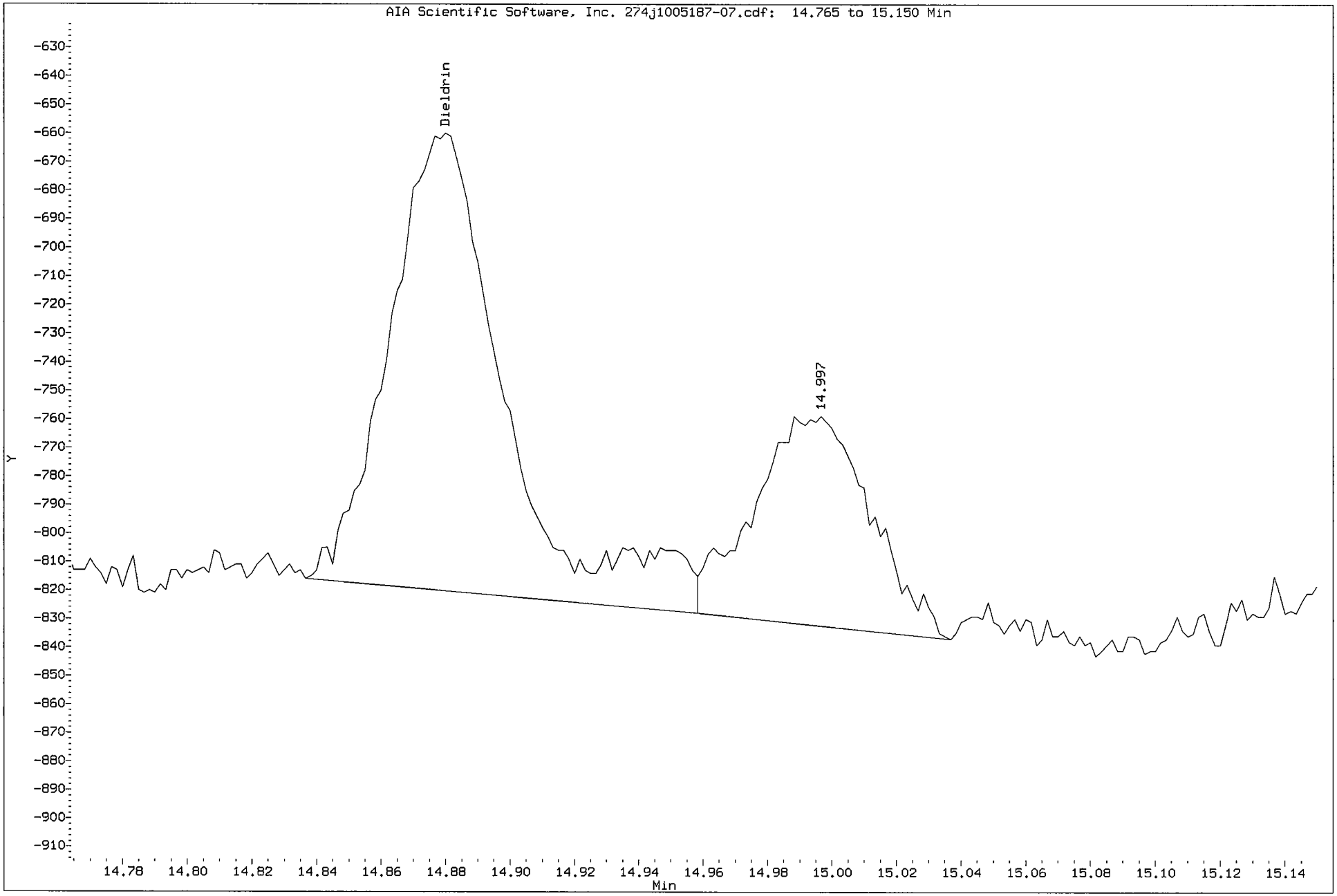
Injection Date: 06-JUN-2010 04:01
Instrument: tracegc84.i
Client Sample ID: BBG-GW09



Data File: /chem/tracegc84.i/j100528y_2C.b/274j1005187-07.d

Date : 06-JUN-2010 04:01

Client ID: BBG-GW09

Instrument: tracegc84.i

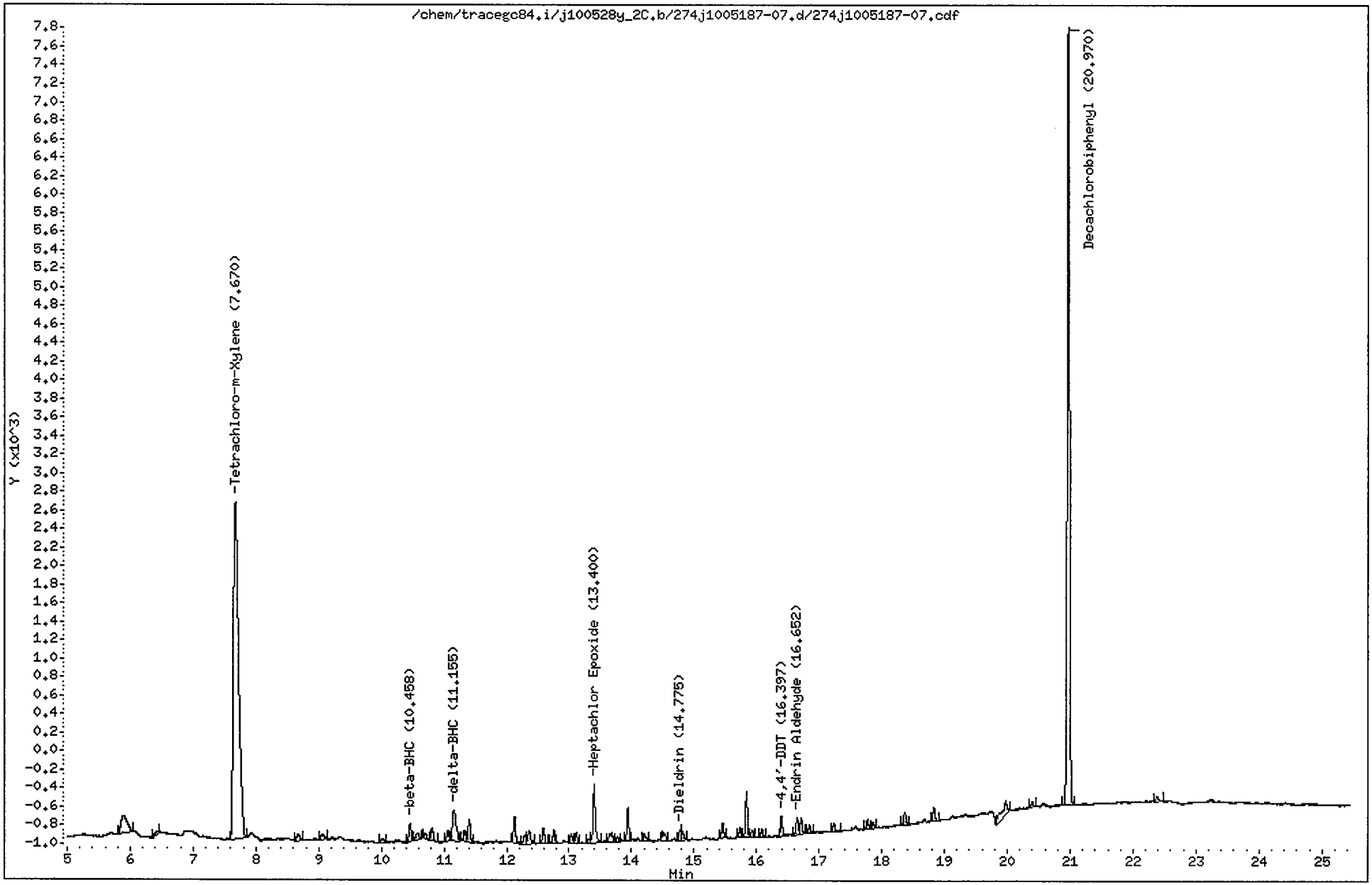
Sample Info: 1005187-07

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005187-07 Client Smp Id : BBG-GW09
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 04:01 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528y_2C.b/8081A_clpest2v6.m
Misc. Info : BBG-GW09

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.45		18002								
1.90		144433								
3.00		461								
3.32		237								
3.42		149								
5.88		1361								
6.45		135								
7.67	7.61 7.75	21034	416798	Tetrachloro-m-Xylene	0.050466	0.252329		84.1	25 - 140	
8.67		230								
9.06		195								
10.01		124								
10.46	10.41 10.55	519	248610	beta-BHC	0.002084	0.010418	0.050000			J
10.58		220								
10.70		156								
10.81		355								
11.06		269								
11.16	11.11 11.25	1393	551235	delta-BHC	0.002527	0.012635	0.050000			J
11.33		273								
11.40		549								
12.13		652								
12.29		260								
12.36		454								
12.59		398								
12.76		322								
13.03		225								
13.12		250								
13.31		100								
13.40	13.29 13.43	1601	511912	Heptachlor Epoxide	0.003127	0.015637	0.050000			J
13.65		381								
13.77		114								
13.94		745								
14.20		222								
14.50		306								
14.78	14.75 14.89	258	461929	Dieldrin	0.000556	0.002782	0.100000			JM2
14.81		257								
15.46		354								
15.74		232								

KEH 6/9/10

CompuChem

Lab Smp Id : 1005187-07 Client Smp Id : BBG-GW09
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 04:01 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528y_2C.b/8081A_clpest2v6.m
Misc. Info : BBG-GW09

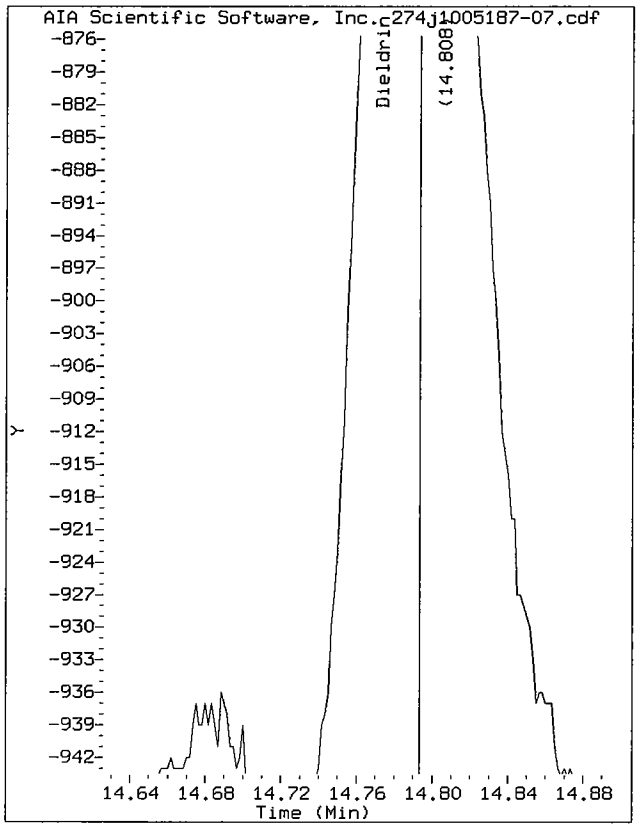
Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

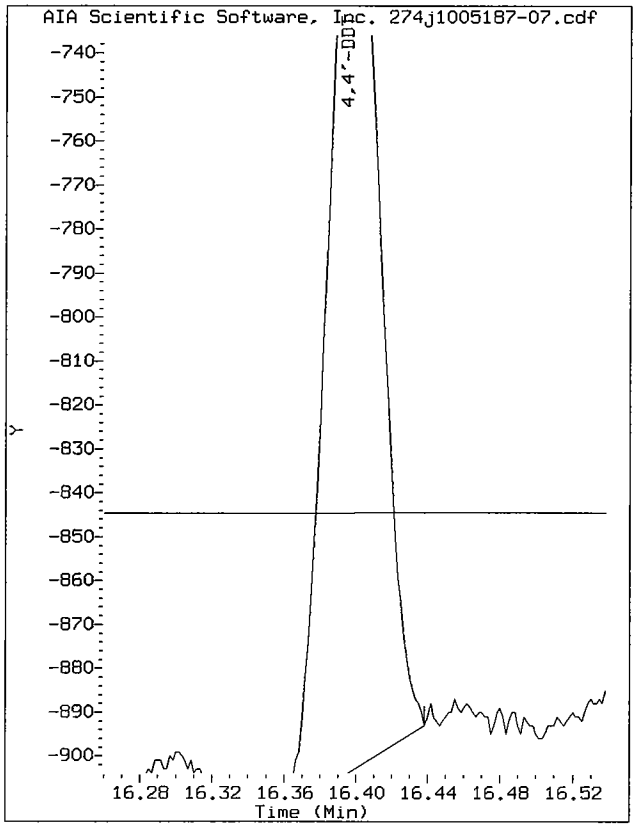
RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
15.84		1023								
15.93		174								
16.09		201								
16.40	16.33 16.47	431	405929	4,4'-DDT	0.001059	0.005296	0.100000			JM2
16.65	16.59 16.73	456	316985	Endrin Aldehyde	0.001439	0.007193	0.100000			J
16.71		364								
16.85		213								
17.24		226								
17.77		227								
17.86		161								
18.36		348								
18.83		349								
19.98		971								
20.41		131								
20.97	20.90 21.04	21198	406698	Decachlorobiphenyl	0.052120	0.260599		43.4	30 - 135	
22.38		160								

6/9/10

Manually Integrated Peaks

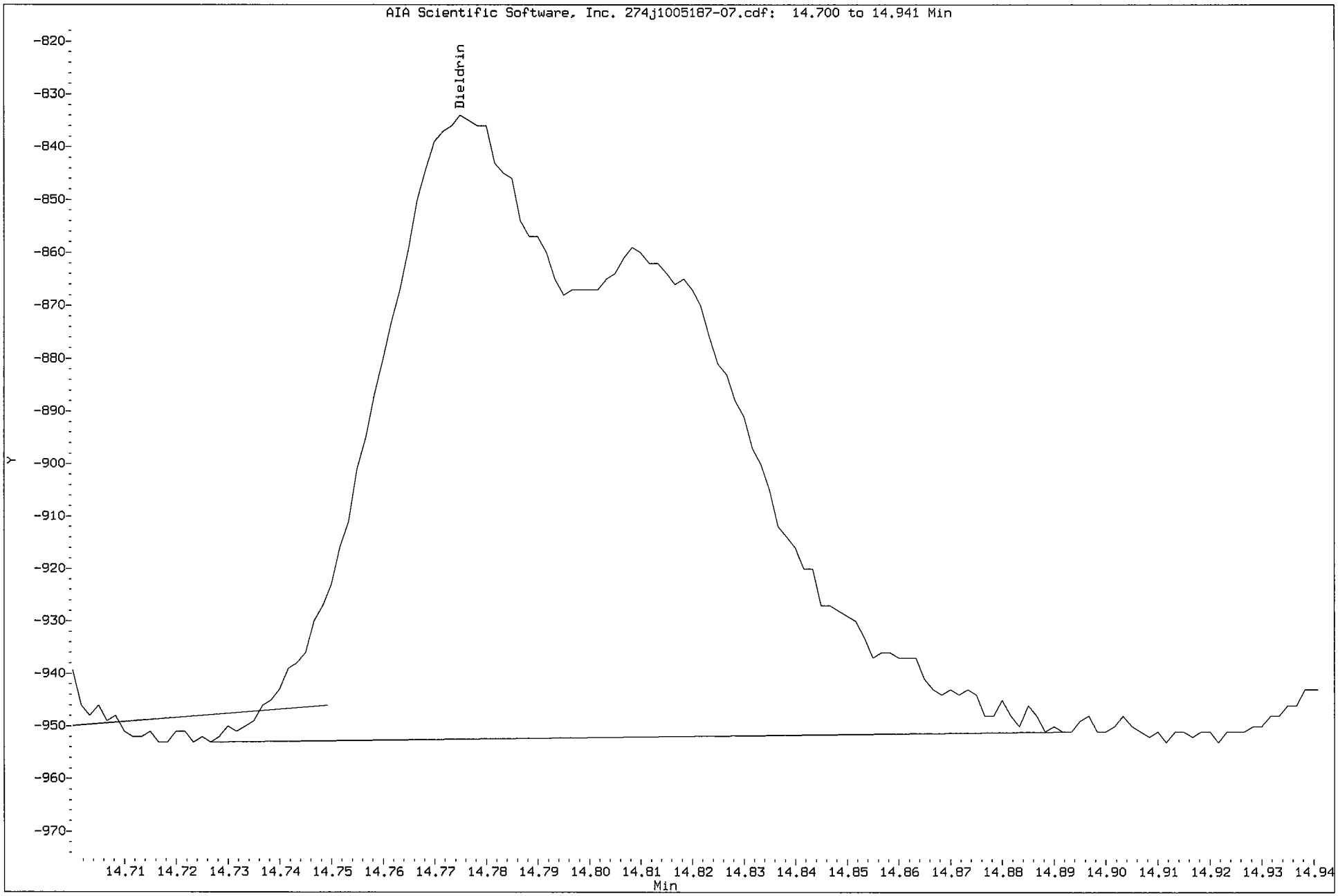


Start: 14.73 Stop: 14.79

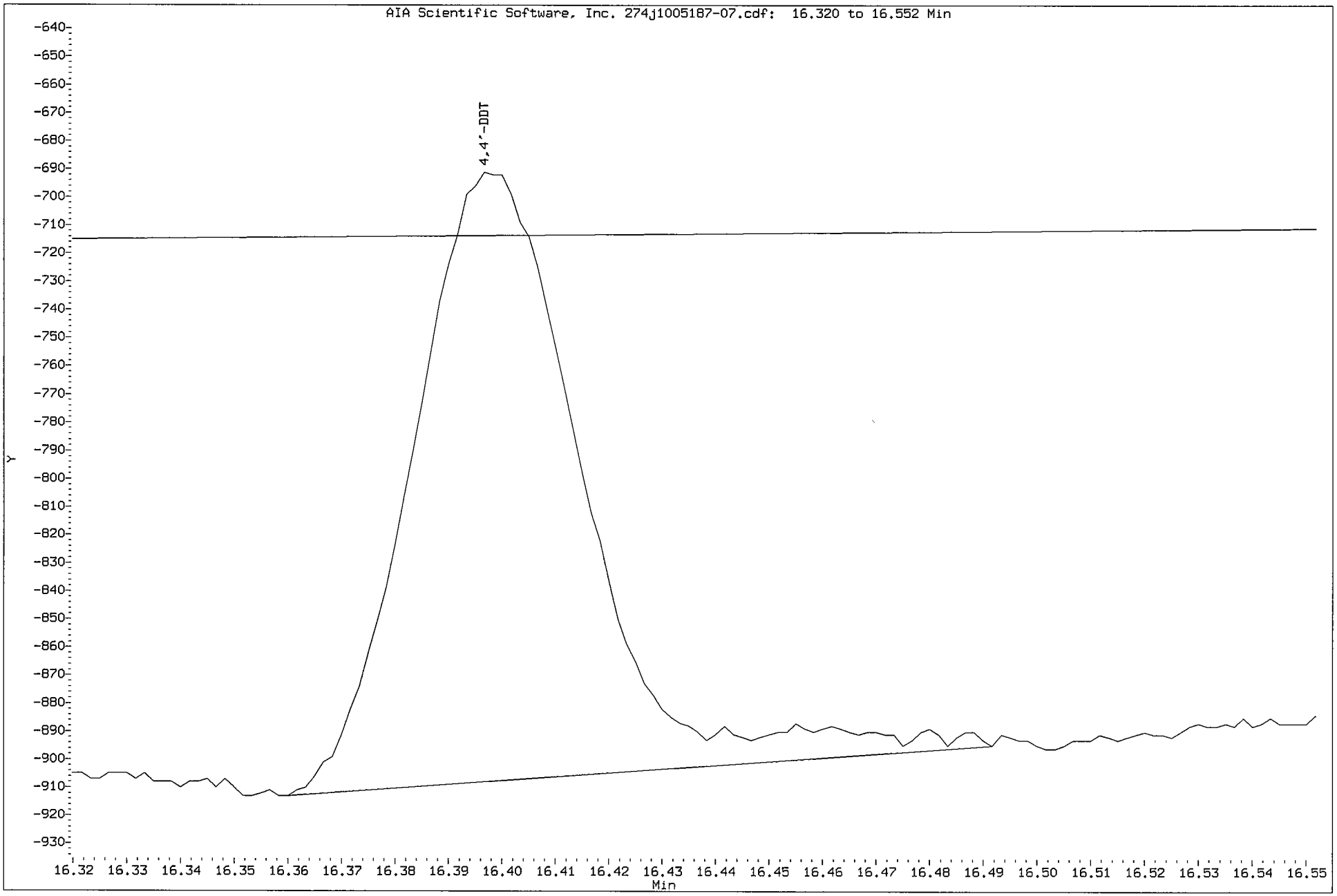


Start: 16.36 Stop: 16.44

Data File: /chem/tracegc84.i/j100528y_2C.b/274j1005187-07.d/274j1005187-07.cdf
Injection Date: 06-JUN-2010 04:01
Instrument: tracegc84.i
Client Sample ID: BBG-GW09



Data File: /chem/tracegc84.i/j100528y_2C.b/274j1005187-07.d/274j1005187-07.cdf
Injection Date: 06-JUN-2010 04:01
Instrument: tracegc84.i
Client Sample ID: BBG-GW09



1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBG-GW09D

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 1005187-08

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/26/10

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/28/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/06/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc84.i/j100528y.b/275j1005187-08.d

Date : 06-JUN-2010 04:30

Client ID: BBG-GW09D

Instrument: tracegc84.i

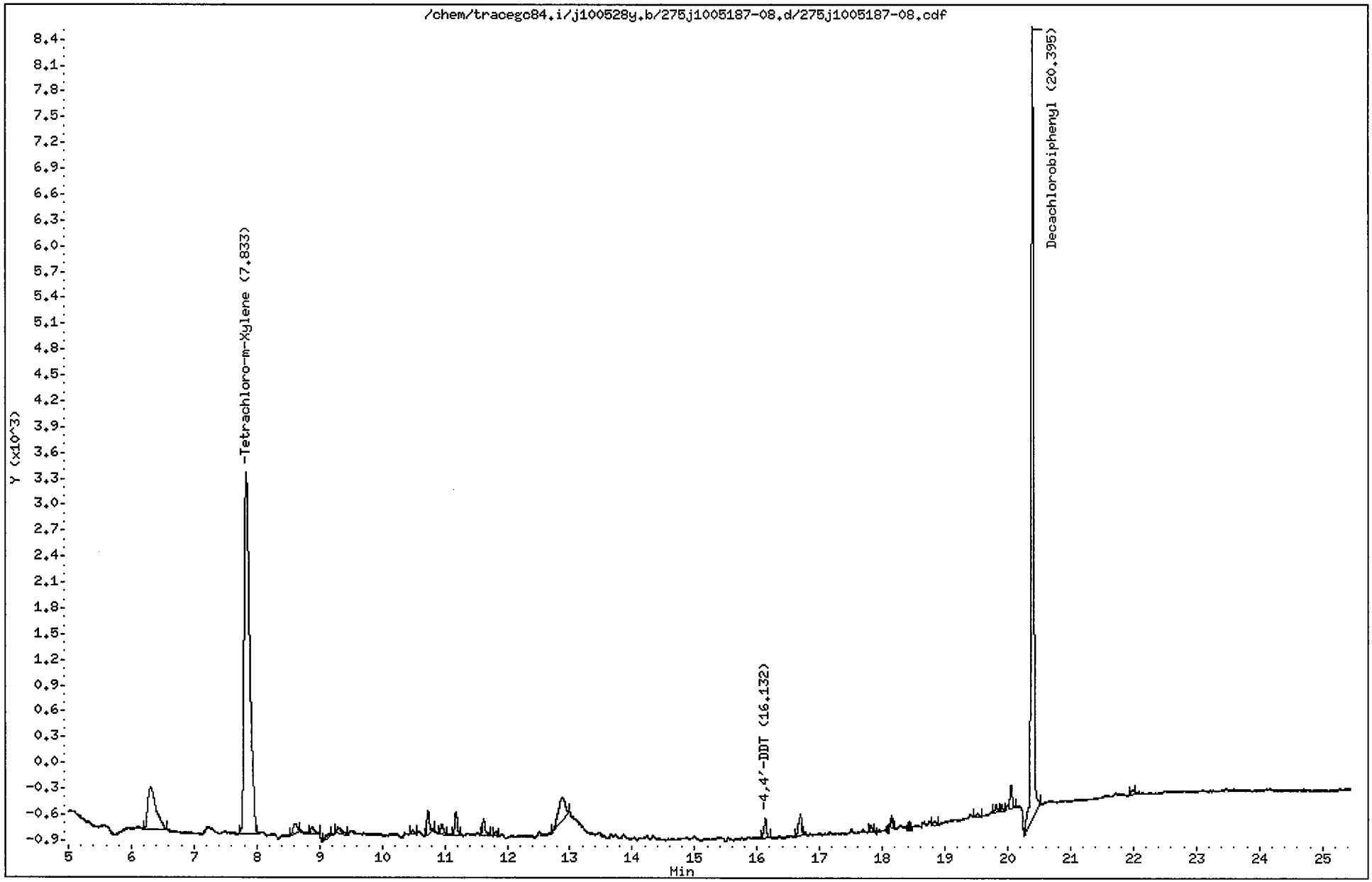
Sample Info: 1005187-08

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005187-08 Client Smp Id : BBG-GW09D
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 04:30 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528y.b/8081A_clpestv6.m
Misc. Info : BBG-GW09D

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.46		55945								
2.08		123860								
3.66		1108								
4.01		6198								
4.76		289								
6.31		4429								
7.83	7.77 7.91	25576	522758	Tetrachloro-m-Xylene	0.048925	0.244626		81.5	25 - 140	
8.60		521								
8.89		327								
9.13		182								
9.30		382								
10.49		140								
10.73		805								
10.96		406								
11.18		789								
11.62		606								
11.82		164								
12.88		2033								
16.13	16.08 16.22	674	454781	4,4'-DDT	0.001480	0.007399	0.100000			J
16.69		848								
17.82		204								
18.15		252								
18.42		159								
18.83		147								
19.52		157								
19.82		223								
19.90		175								
20.05		658								
20.40	20.33 20.47	25151	408350	Decachlorobiphenyl	0.061592	0.307959		51.3	30 - 135	
21.98		188								

6/9/10

Data File: /chem/tracegc84.i/j100528y_2C.b/275j1005187-08.d

Date : 06-JUN-2010 04:30

Client ID: BBG-GW09D

Instrument: tracegc84.i

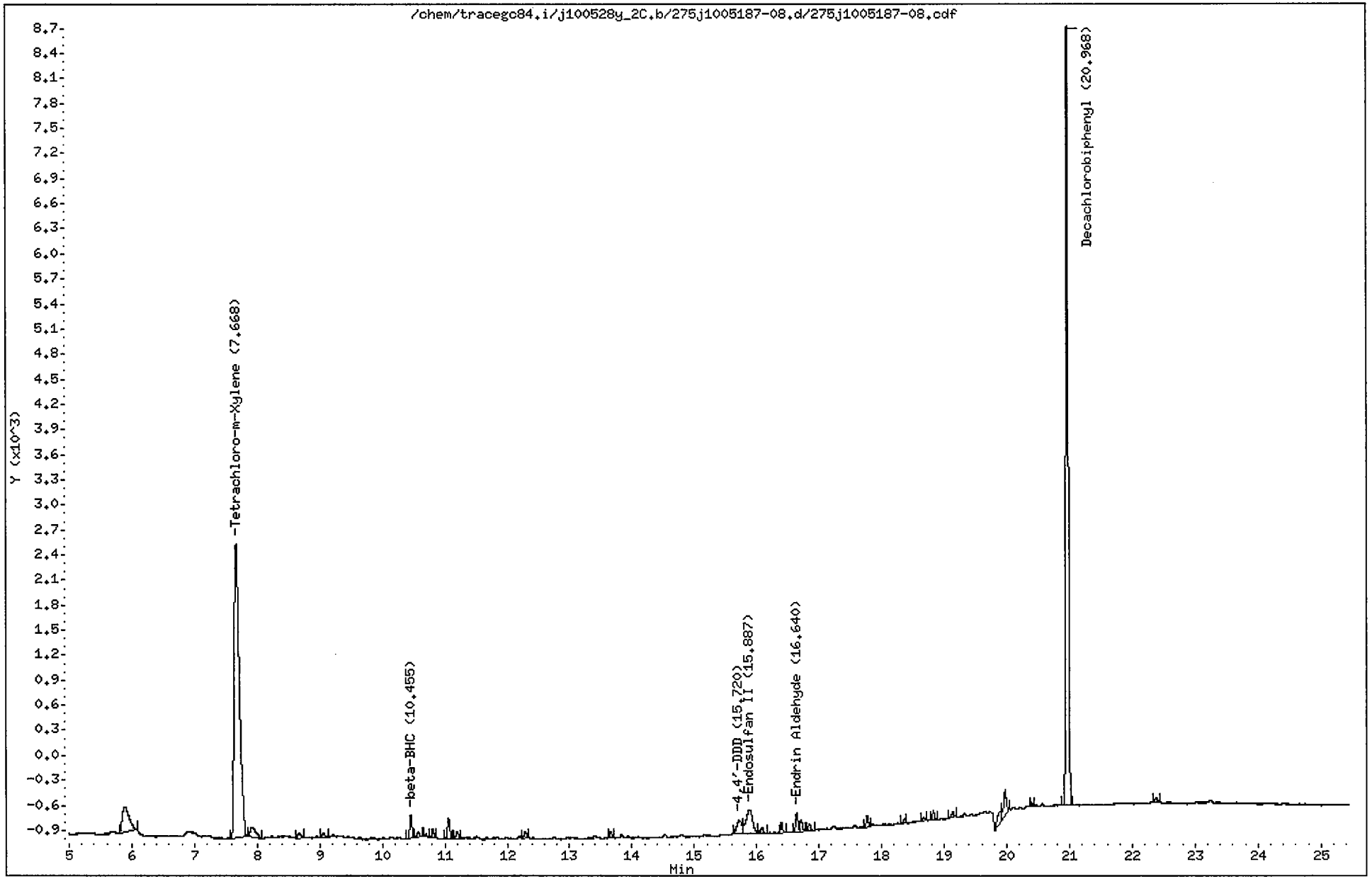
Sample Info: 1005187-08

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005187-08 Client Smp Id : BBG-GW09D
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 04:30 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528y_2C.b/8081A_clpest2v6.m
Misc. Info : BBG-GW09D

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.45			21186								
1.90			128648								
3.02			474								
3.29			139								
4.04			486								
5.89			2361								
7.67	7.61	7.75	20384	416798	Tetrachloro-m-Xylene	0.048906	0.244531		81.5	25 - 140	
7.92			816								
8.66			235								
9.05			187								
10.46	10.41	10.55	713	248610	beta-BHC	0.002864	0.014320	0.050000			J
10.57			178								
10.70			92								
10.81			266								
11.06			636								
11.20			220								
12.29			243								
13.66			183								
15.72	15.67	15.81	897	340626	4,4'-DDD	0.002630	0.013152	0.100000			J
15.89	15.86	16.00	2113	404930	Endosulfan II	0.005218	0.026091	0.100000			J
16.09			235								
16.39			246								
16.64	16.59	16.73	538	316985	Endrin Aldehyde	0.001694	0.008470	0.100000			J
16.71			297								
16.84			197								
17.77			302								
18.36			121								
18.68			99								
18.82			248								
19.13			159								
19.89			677								
19.97			1089								
20.40			105								
20.97	20.90	21.04	23835	406698	Decachlorobiphenyl	0.058604	0.293019		48.8	30 - 135	
22.38			151								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBG-GW10

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 1005187-01

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/24/10

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/27/10

Concentrated Extract Volume: 2500(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

FORM I PEST

Data File: /chem/tracegc84.i/j100528x.b/260j1005187-01.d

Page 1

Date : 05-JUN-2010 21:16

Client ID: BBG-GW10

Instrument: tracegc84.i

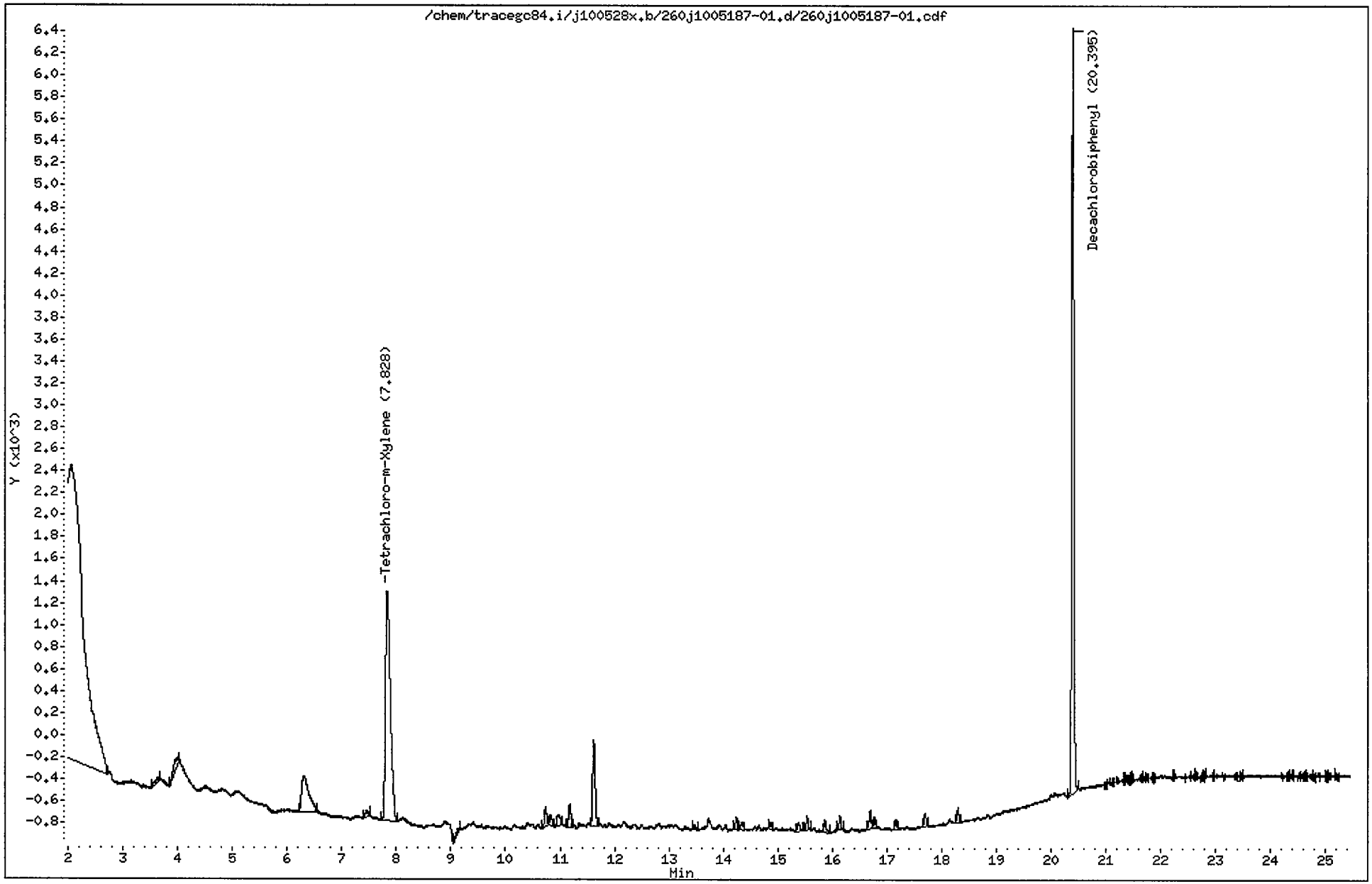
Sample Info: 1005187-01

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005187-01 Client Smp Id : BBG-GW10
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 21:16 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528x.b/8081A_clpestv6.m
Misc. Info : BBG-GW10

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 2500(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 500.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.46		78779								
1.89		13229								
2.06		64690								
3.63		289								
3.98		652								
6.30		3022								
7.46		208								
7.83	7.77 7.91	12970	522758	Tetrachloro-m-Xylene	0.024811	0.124054		41.4	25 - 140	
9.14		229								
10.73		485								
10.83		286								
10.95		415								
11.18		637								
11.62		2563								
13.47		137								
14.24		275								
14.34		218								
14.87		145								
15.37		225								
15.53		334								
15.86		307								
16.14		306								
16.69		451								
16.77		219								
17.17		227								
17.70		322								
18.30		339								
20.40	20.33 20.47	17987	408350	Decachlorobiphenyl	0.044048	0.220240		36.7	30 - 135	
21.33		134								
21.48		139								
22.78		140								
23.40		174								
24.64		152								
24.77		121								

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Data File: /chem/tracegc84.i/j100528x_2C.b/260j1005187-01.d

Date : 05-JUN-2010 21:16

Client ID: BBG-GW10

Instrument: tracegc84.i

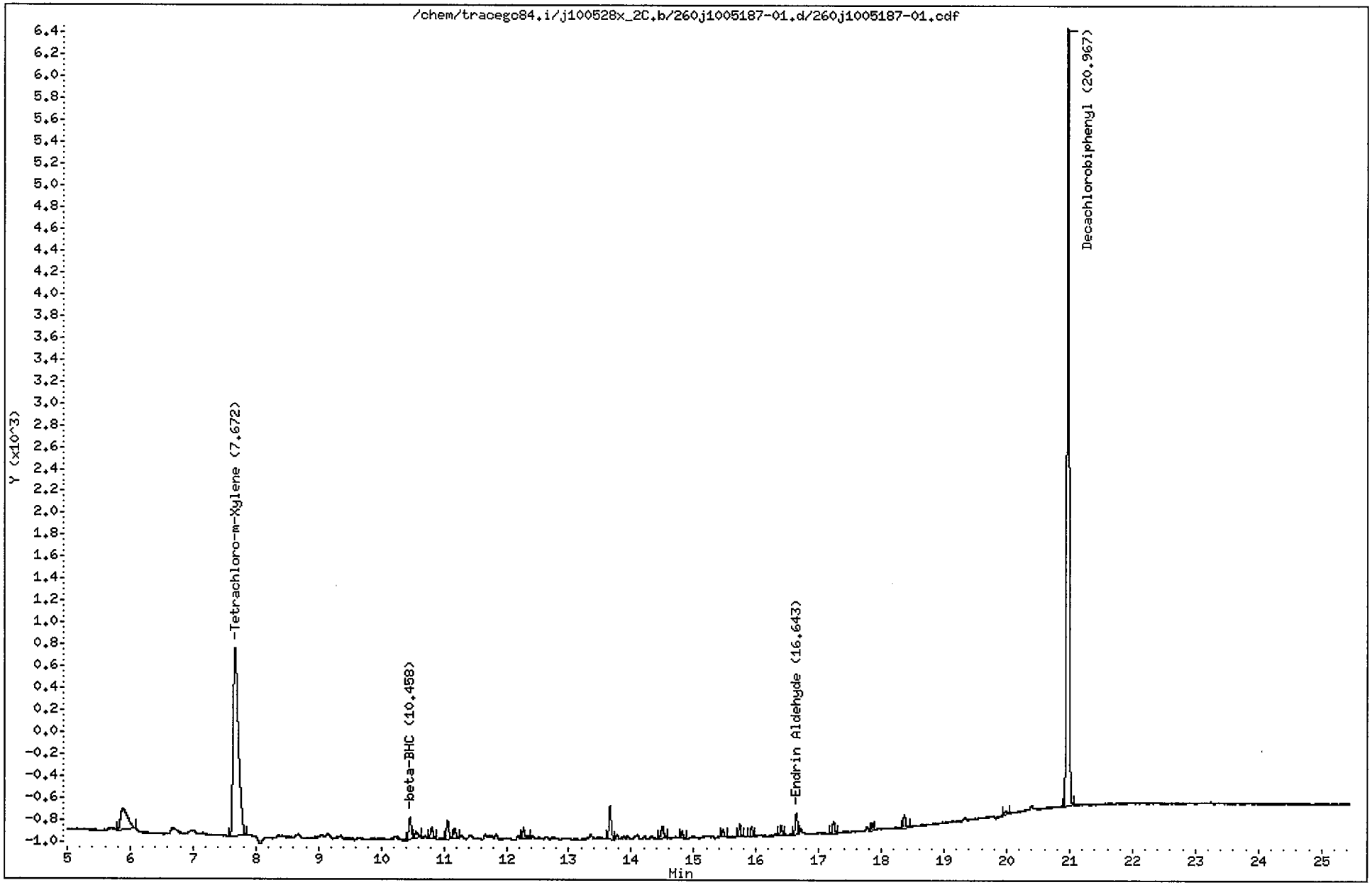
Sample Info: 1005187-01

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005187-01 Client Smp Id : BBG-GW10
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 21:16 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528x_2C.b/8081A_clpest2v6.m
Misc. Info : BBG-GW10

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 2500(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 500.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.44			35160								
1.84			81560								
3.34			146								
5.88			1530								
7.67	7.61	7.75	10003	416798	Tetrachloro-m-Xylene	0.024000	0.119998		40.0	25 - 140	
10.46	10.41	10.55	553	248610	beta-BHC	0.002220	0.011102	0.050000			J
10.55			174								
10.80			270								
11.05			454								
11.17			265								
12.28			284								
13.66			780								
14.49			316								
14.81			150								
15.47			167								
15.74			243								
15.93			187								
16.40			198								
16.64	16.59	16.73	461	316985	Endrin Aldehyde	0.001451	0.007256	0.100000			J
17.24			294								
17.86			140								
18.37			292								
19.98			104								
20.97	20.90	21.04	18163	406698	Decachlorobiphenyl	0.044657	0.223286		37.2	30 - 135	

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1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EB1-052510

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 1005187-04

Sample wt/vol: 975.0 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/25/10

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/27/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.051	U
319-85-7	beta-BHC	0.0065	J
319-84-6	alpha-BHC	0.051	U
319-86-8	delta-BHC	0.051	U
58-89-9	gamma-BHC (Lindane)	0.051	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.051	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.051	U
1024-57-3	Heptachlor Epoxide	0.051	U
72-43-5	Methoxychlor	0.51	U
8001-35-2	Toxaphene	2.6	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.051	U
5103-71-9	alpha-Chlordane	0.051	U

Data File: /chem/tracegc84.i/j100528x.b/263j1005187-04.d

Date : 05-JUN-2010 22:43

Client ID: EB1-052510

Instrument: tracegc84.i

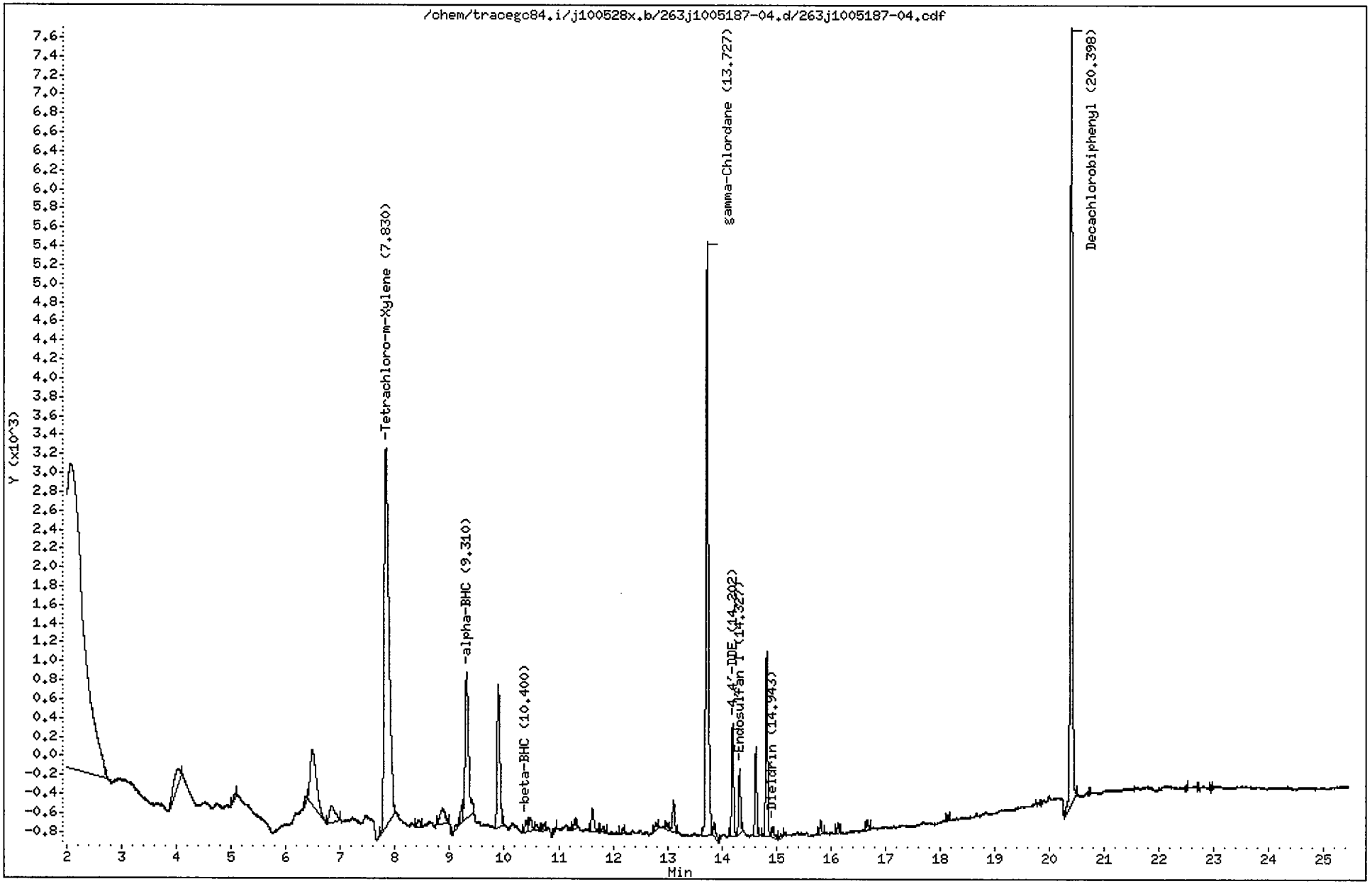
Sample Info: 1005187-04

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005187-04 Client Smp Id : EB1-052510
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 22:43 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528x.b/8081A_clpestv6.m
Misc. Info : EB1-052510

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 975.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.47			59075								
2.07			92219								
4.03			1494								
5.09			190								
6.38			138								
6.48			4731								
6.84			1311								
7.83	7.77	7.91	24242	522758	Tetrachloro-m-Xylene	0.046373	0.237812		77.3	25 - 140	
8.43			341								
8.87			1034								
9.14			160								
9.22			592								
9.31	9.29	9.43	6660	775960	alpha-BHC	0.008583	0.044015	0.051282			J
9.89			5243								
10.40	10.34	10.48	410	300532	beta-BHC	0.001361	0.006979	0.051282			J
10.49			502								
10.60			190								
10.73			184								
10.95			150								
11.30			297								
11.62			849								
11.82			201								
12.17			133								
12.79			218								
12.99			171								
13.12			889								
13.73	13.70	13.84	17613	594875	gamma-Chlordane	0.029608	0.151835	0.051282			
13.86			492								
14.20	14.19	14.33	2904	523741	4,4'-DDE	0.005545	0.028434	0.102564			J
14.33	14.29	14.43	1618	548162	Endosulfan I	0.002952	0.015137	0.051282			J
14.63			2179								
14.82			4644								
14.94	14.82	14.96	337	515556	Dieldrin	0.000652	0.003342	0.102564			J
15.09			125								
15.81			380								
16.13			236								
16.67			255								

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CompuChem

Lab Smp Id : 1005187-04 Client Smp Id : EB1-052510
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 22:43 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528x.b/8081A_clpestv6.m
Misc. Info : EB1-052510

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 975.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
18.15		171								
20.40	20.33 20.47	22034	408350	Decachlorobiphenyl	0.053959	0.276711		45.0	30 - 135	
22.97		126								

Data File: /chem/tracegc84.i/j100528x_2C.b/263j1005187-04.d

Page 1

Date : 05-JUN-2010 22:43

Client ID: EB1-052510

Instrument: tracegc84.i

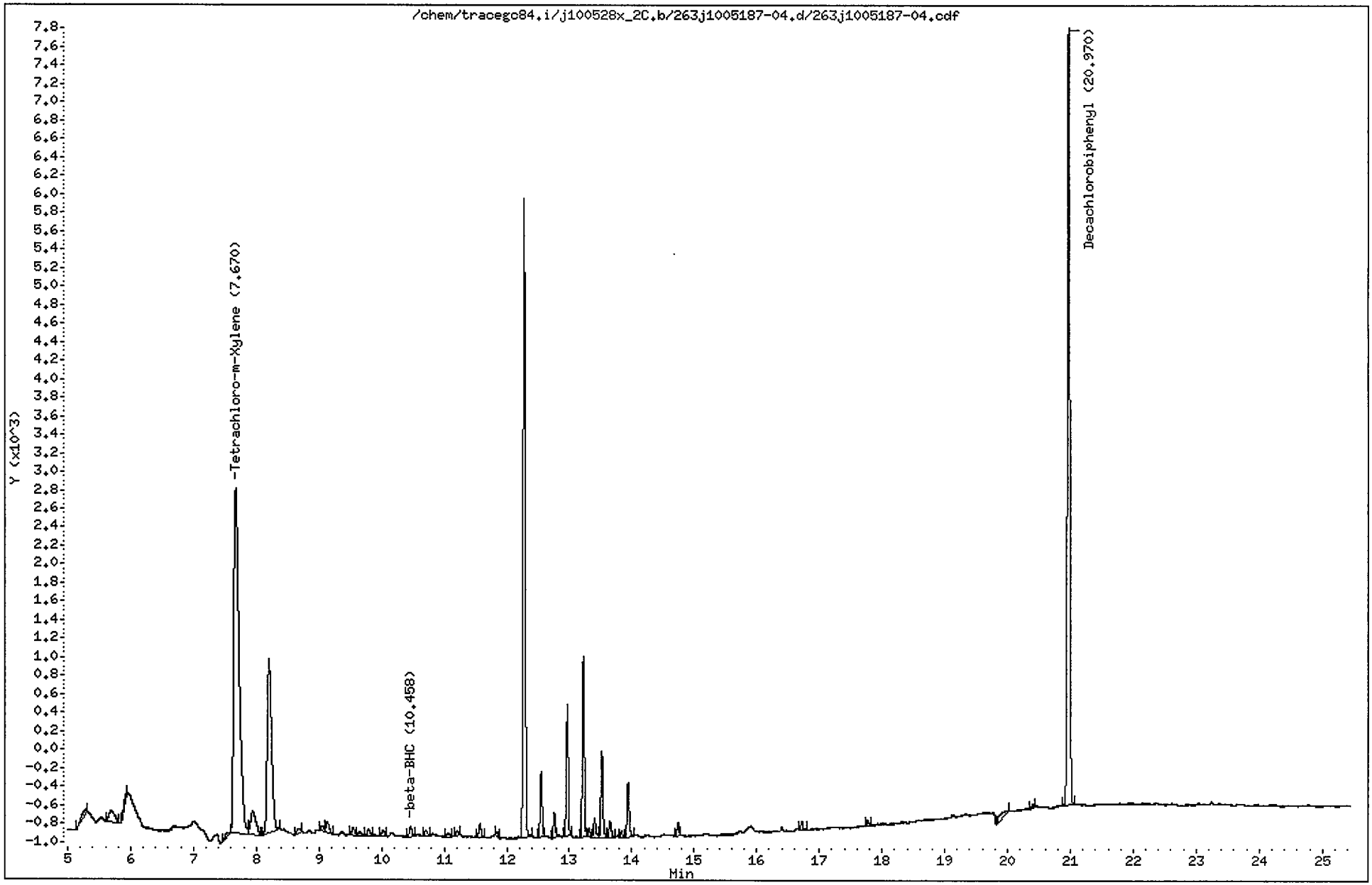
Sample Info: 1005187-04

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005187-04 Client Smp Id : EB1-052510
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 22:43 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528x_2C.b/8081A_clpest2v6.m
Misc. Info : EB1-052510

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 975.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.45		24513								
1.88		93705								
3.45		590								
5.29		400								
5.69		847								
5.93		260								
7.56		173								
7.67	7.61 7.75	22269	416798	Tetrachloro-m-Xylene	0.053426	0.273982		89.0	25 - 140	
7.94		1531								
8.20		9059								
8.68		228								
9.05		176								
9.13		438								
9.54		246								
9.64		139								
9.79		196								
10.02		203								
10.46	10.41 10.55	317	248610	beta-BHC	0.001275	0.006539	0.051282			J
10.70		183								
11.06		125								
11.20		104								
11.57		403								
11.84		101								
12.28		15836								
12.55		1586								
12.76		578								
12.96		3066								
13.22		4236								
13.31		170								
13.40		506								
13.52		2062								
13.65		488								
13.83		128								
13.94		1392								
14.74		320								
16.72		229								
17.77		134								

CompuChem

Lab Smp Id : 1005187-04 Client Smp Id : EB1-052510
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 22:43 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528x_2C.b/8081A_clpest2v6.m
Misc. Info : EB1-052510

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 975.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
20.00		449								
20.40		113								
20.97	20.90 21.04	21537	406698	Decachlorobiphenyl	0.052956	0.271568		44.1	30 - 135	

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EB1-052710

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 1005187-11

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/27/10

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/28/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/06/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.0076	JP
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc84.i/j100528y.b/278j1005187-11.d

Date : 06-JUN-2010 05:57

Client ID: EB1-052710

Instrument: tracegc84.i

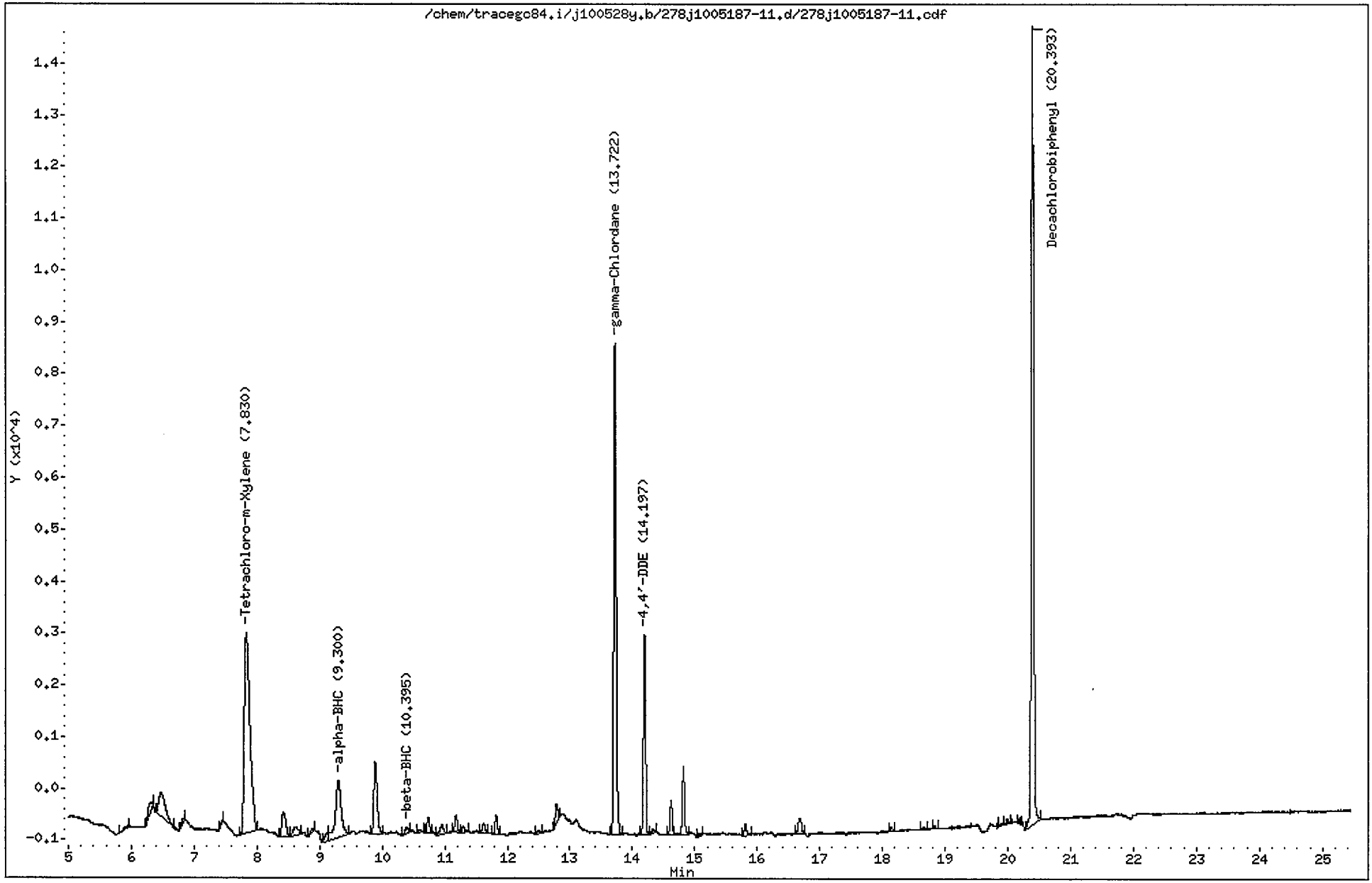
Sample Info: 1005187-11

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005187-11 Client Smp Id : EB1-052710
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 05:57 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528y.b/8081A_clpestv6.m
Misc. Info : EB1-052710

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.35			316								
1.46			52747								
2.08			119688								
3.66			1053								
3.99			267								
5.94			175								
6.32			748								
6.47			3526								
6.83			286								
7.45			152								
7.83	7.77	7.91	24211	522758	Tetrachloro-m-Xylene	0.046312	0.231561		77.2	25 - 140	
8.43			2139								
8.60			937								
8.88			200								
9.13			604								
9.30	9.29	9.43	7210	775960	alpha-BHC	0.009290	0.046452	0.050000			J
9.88			5166								
10.40	10.34	10.48	455	300532	beta-BHC	0.001511	0.007553	0.050000			J
10.59			192								
10.73			839								
10.95			727								
11.18			941								
11.29			324								
11.62			592								
11.82			938								
12.50			171								
12.79			936								
13.72	13.70	13.84	24419	594875	gamma-Chlordane	0.041049	0.205245	0.050000			
14.20	14.19	14.33	9526	523741	4,4'-DDE	0.018188	0.090942	0.100000			J
14.33			275								
14.62			1557								
14.82			3182								
15.08			121								
15.81			559								
16.68			1094								
18.14			218								
18.66			145								

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CompuChem

Lab Smp Id : 1005187-11 Client Smp Id : EB1-052710
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 05:57 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528y.b/8081A_clpestv6.m
Misc. Info : EB1-052710

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
18.84		164								
19.90		138								
19.99		355								
20.19		230								
20.39	20.33 20.47	40557	408350	Decachlorobiphenyl	0.099319	0.496596		82.8	30 - 135	

Data File: /chem/tracegc84.i/j100528y_2C.b/278j1005187-11.d

Date : 06-JUN-2010 05:57

Client ID: EB1-052710

Instrument: tracegc84.i

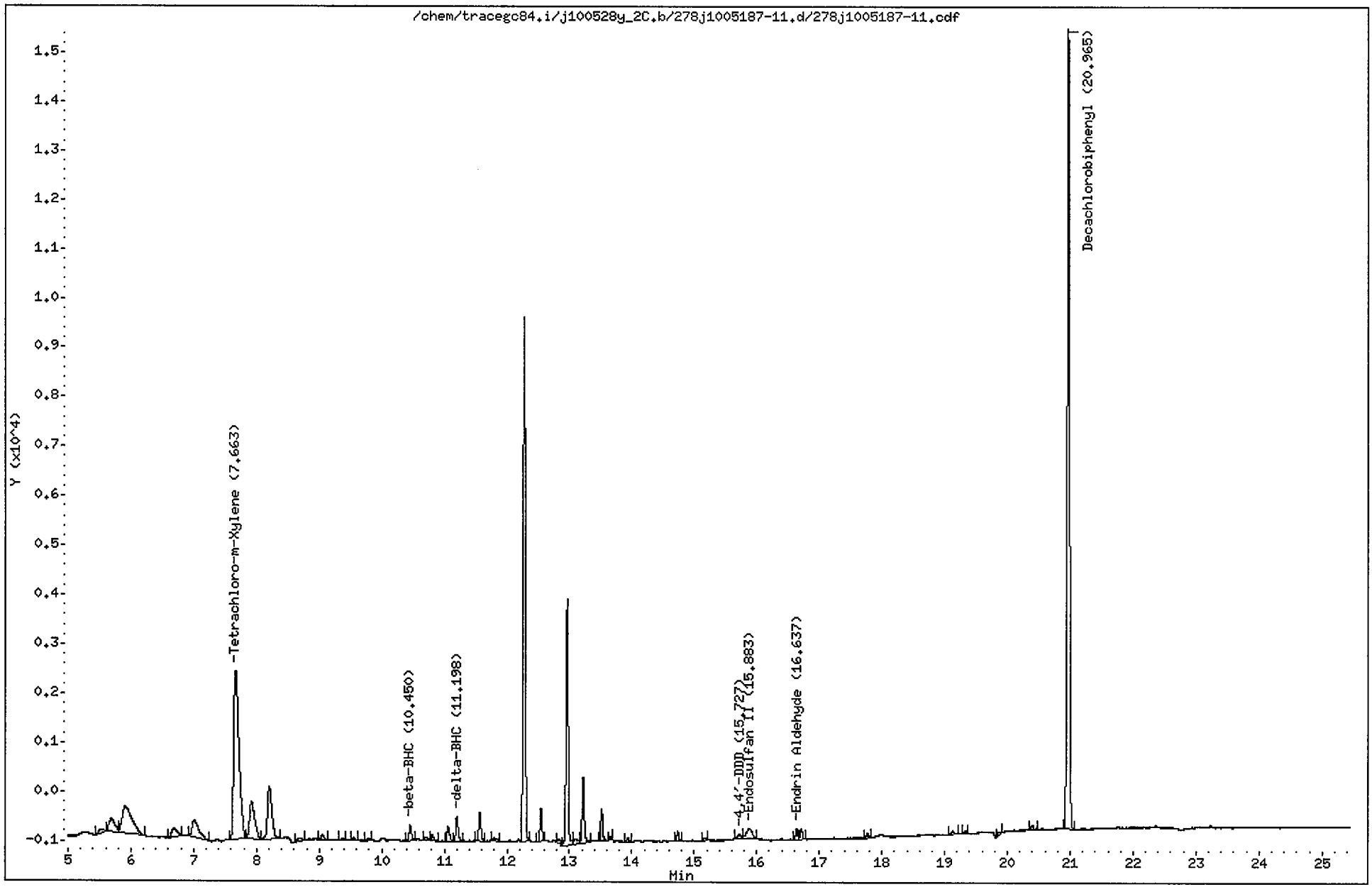
Sample Info: 1005187-11

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005187-11 Client Smp Id : EB1-052710
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 05:57 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528y_2C.b/8081A_clpest2v6.m
Misc. Info : EB1-052710

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.44			17814								
1.90			125882								
3.02			754								
5.54			415								
5.69			1795								
5.91			6149								
6.69			862								
7.00			2549								
7.66	7.61	7.75	20005	416798	Tetrachloro-m-Xylene	0.047995	0.239973		80.0	25 - 140	
7.92			4310								
8.20			5221								
8.68			355								
9.05			320								
9.37			107								
9.54			140								
9.78			132								
10.45	10.41	10.55	835	248610	beta-BHC	0.003359	0.016793	0.050000			J
10.70			203								
10.80			375								
11.06			846								
11.20	11.11	11.25	1257	551235	delta-BHC	0.002280	0.011402	0.050000			J
11.56			1483								
11.79			236								
12.27			24396								
12.54			1451								
12.83			299								
12.96			11677								
13.10			487								
13.22			3127								
13.52			1369								
13.65			96								
13.94			177								
14.73			409								
15.17			104								
15.73	15.67	15.81	401	340626	4,4'-DDD	0.001174	0.005872	0.100000			J
15.88	15.86	16.00	1349	404930	Endosulfan II	0.003331	0.016657	0.100000			J
16.64	16.59	16.73	506	316985	Endrin Aldehyde	0.001596	0.007981	0.100000			J

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CompuChem

Lab Smp Id : 1005187-11 Client Smp Id : EB1-052710
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 05:57 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528y_2C.b/8081A_clpest2v6.m
Misc. Info : EB1-052710

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
16.71		473								
17.77		206								
19.13		181								
19.33		138								
19.89		197								
20.39		215								
20.96	20.90 21.04	41345	406698	Decachlorobiphenyl	0.101660	0.508302		84.7	30 - 135	

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EB2-052510

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 1005187-06

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/25/10

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/27/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.056	U
319-85-7	beta-BHC	0.056	U
319-84-6	alpha-BHC	0.056	U
319-86-8	delta-BHC	0.056	U
58-89-9	gamma-BHC (Lindane)	0.056	U
72-54-8	4,4'-DDD	0.11	U
72-55-9	4,4'-DDE	0.11	U
50-29-3	4,4'-DDT	0.11	U
60-57-1	Dieldrin	0.11	U
959-98-8	Endosulfan I	0.056	U
33213-65-9	Endosulfan II	0.11	U
1031-07-8	Endosulfan sulfate	0.11	U
72-20-8	Endrin	0.11	U
7421-93-4	Endrin Aldehyde	0.11	U
76-44-8	Heptachlor	0.056	U
1024-57-3	Heptachlor Epoxide	0.056	U
72-43-5	Methoxychlor	0.56	U
8001-35-2	Toxaphene	2.8	U
53494-70-5	Endrin Ketone	0.11	U
5103-74-2	gamma-Chlordane	0.056	U
5103-71-9	alpha-Chlordane	0.056	U

Data File: /chem/tracegc84.i/j100528x.b/265j1005187-06.d

Date : 05-JUN-2010 23:41

Client ID: EB2-052510

Instrument: tracegc84.i

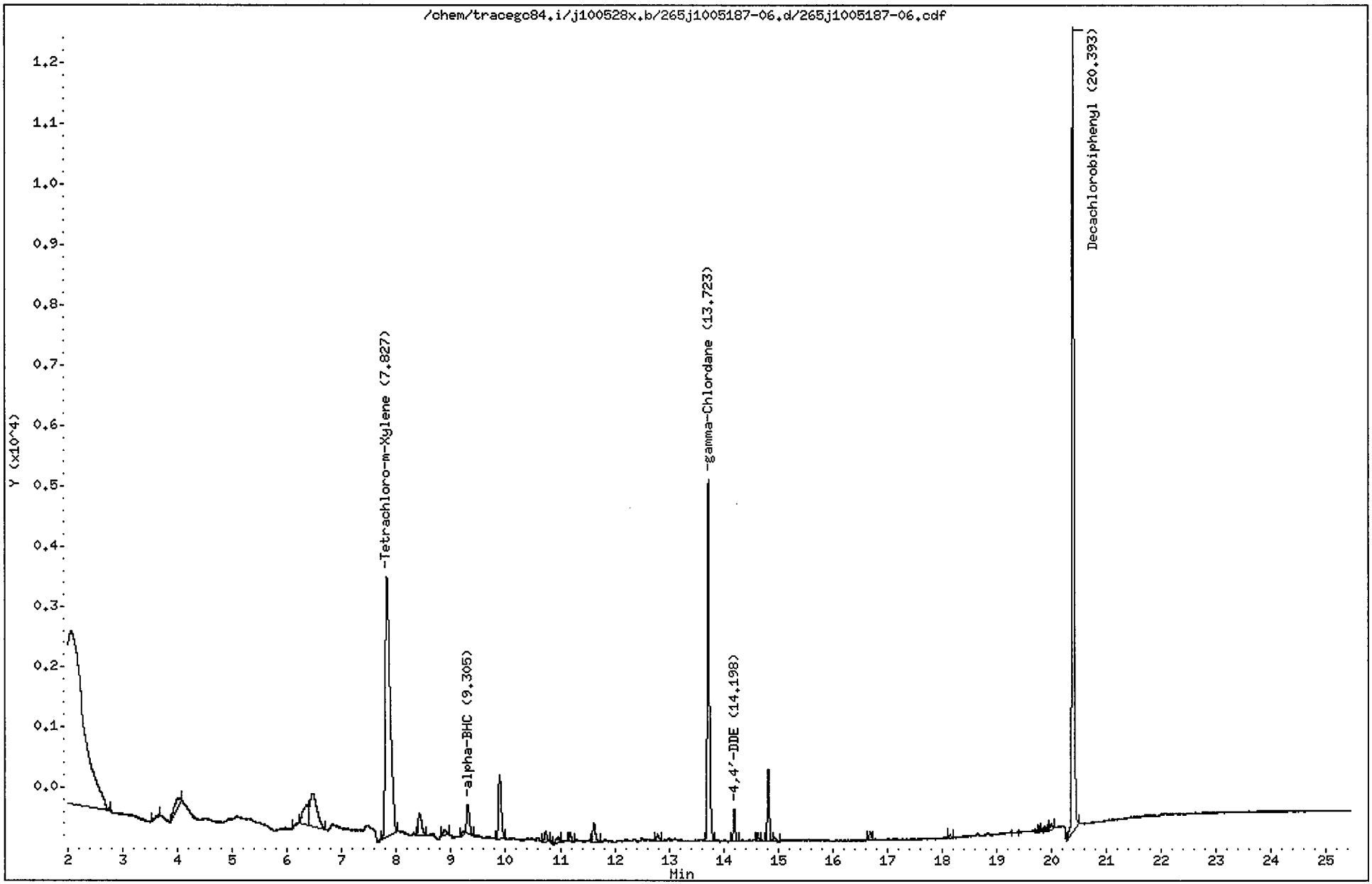
Sample Info: 1005187-06

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005187-06 Client Smp Id : EB2-052510
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 23:41 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528x.b/8081A_clpestv6.m
Misc. Info : EB2-052510

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 900.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.46			58513								
1.91			14138								
2.06			68034								
3.63			196								
4.00			1075								
6.19			159								
6.35			2229								
6.46			4903								
7.83	7.77	7.91	26302	522758	Tetrachloro-m-Xylene	0.050312	0.279511		83.9	25 - 140	
8.42			1708								
8.88			327								
9.22			184								
9.30	9.29	9.43	1785	775960	alpha-BHC	0.002300	0.012780	0.055556			J
9.89			3770								
10.74			494								
10.95			416								
11.18			413								
11.62			1043								
12.79			309								
13.72	13.70	13.84	15858	594875	gamma-Chlordane	0.026656	0.148089	0.055556			
14.20	14.19	14.33	1293	523741	4,4'-DDE	0.002467	0.013705	0.111111			J
14.62			296								
14.82			2879								
14.94			231								
16.69			413								
18.14			124								
19.78			169								
20.00			323								
20.39	20.33	20.47	34879	408350	Decachlorobiphenyl	0.085412	0.474511		71.2	30 - 135	

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Data File: /chem/tracegc84.i/j100528x_2C.b/265j1005187-06.d

Page 1

Date : 05-JUN-2010 23:41

Client ID: EB2-052510

Instrument: tracegc84.i

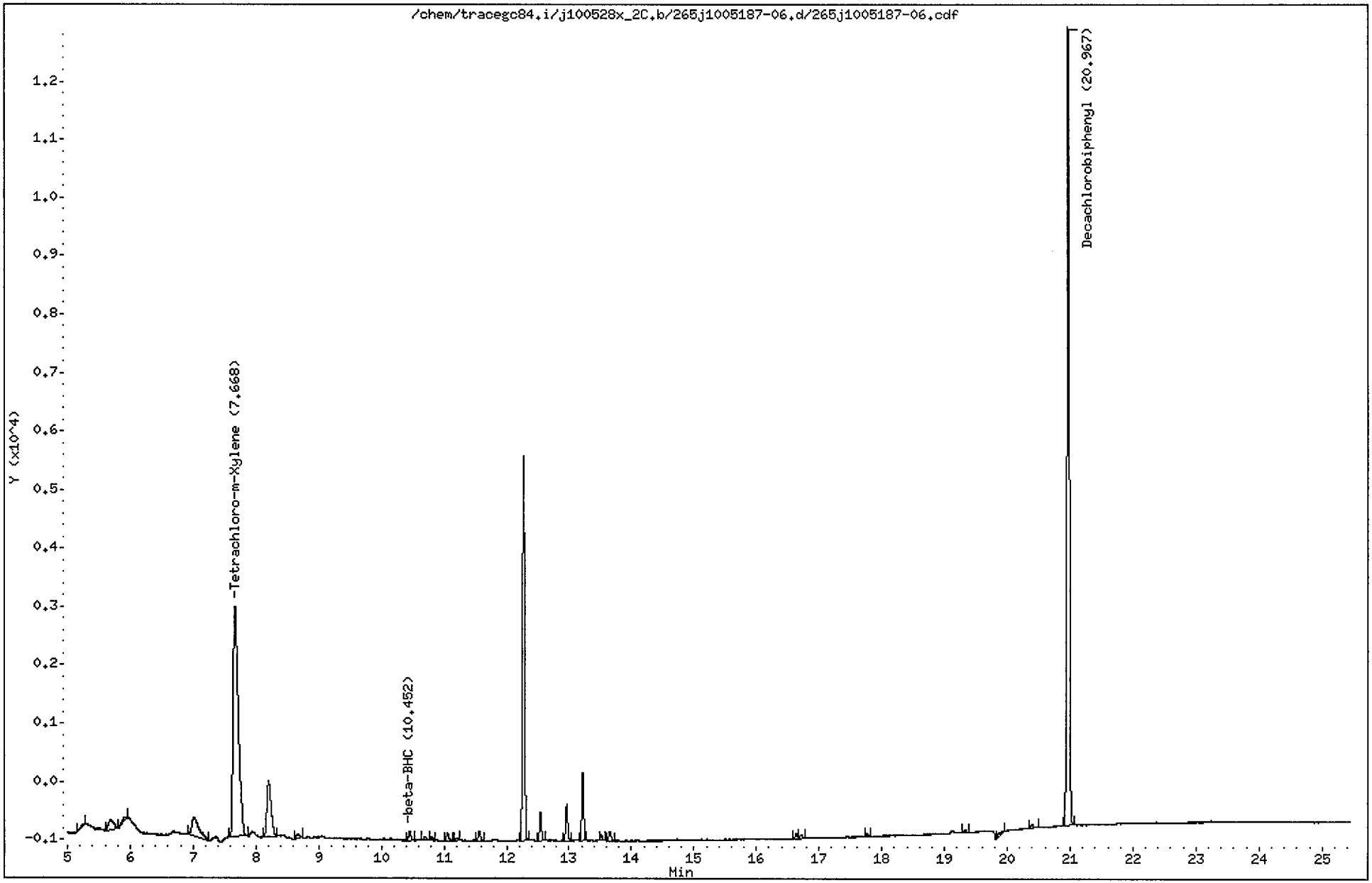
Sample Info: 1005187-06

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005187-06 Client Smp Id : EB2-052510
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 23:41 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528x_2C.b/8081A_clpest2v6.m
Misc. Info : EB2-052510

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 900.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.44		13632								
1.86		2711								
5.28		138								
5.69		1029								
5.93		304								
7.01		2454								
7.67	7.61 7.75	22848	416798	Tetrachloro-m-Xylene	0.054816	0.304531		91.4	25 - 140	
8.20		4436								
8.67		250								
10.45	10.41 10.55	415	248610	beta-BHC	0.001665	0.009251	0.055556			J
10.70		182								
10.80		143								
11.06		336								
11.20		104								
11.57		434								
12.27		15027								
12.54		1066								
12.96		1386								
13.22		2521								
13.52		223								
13.65		420								
16.64		219								
16.71		159								
17.77		104								
19.33		118								
19.96		274								
20.40		198								
20.97	20.90 21.04	35362	406698	Decachlorobiphenyl	0.086949	0.483051		72.5	30 - 135	

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EB2-052710

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 1005187-15

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/27/10

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/28/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/06/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.0064	J
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

FORM I PEST

Data File: /chem/tracegc84.i/j100528z.b/286j1005187-15.d

Date : 06-JUN-2010 09:48

Client ID: EB2-052710

Instrument: tracegc84.i

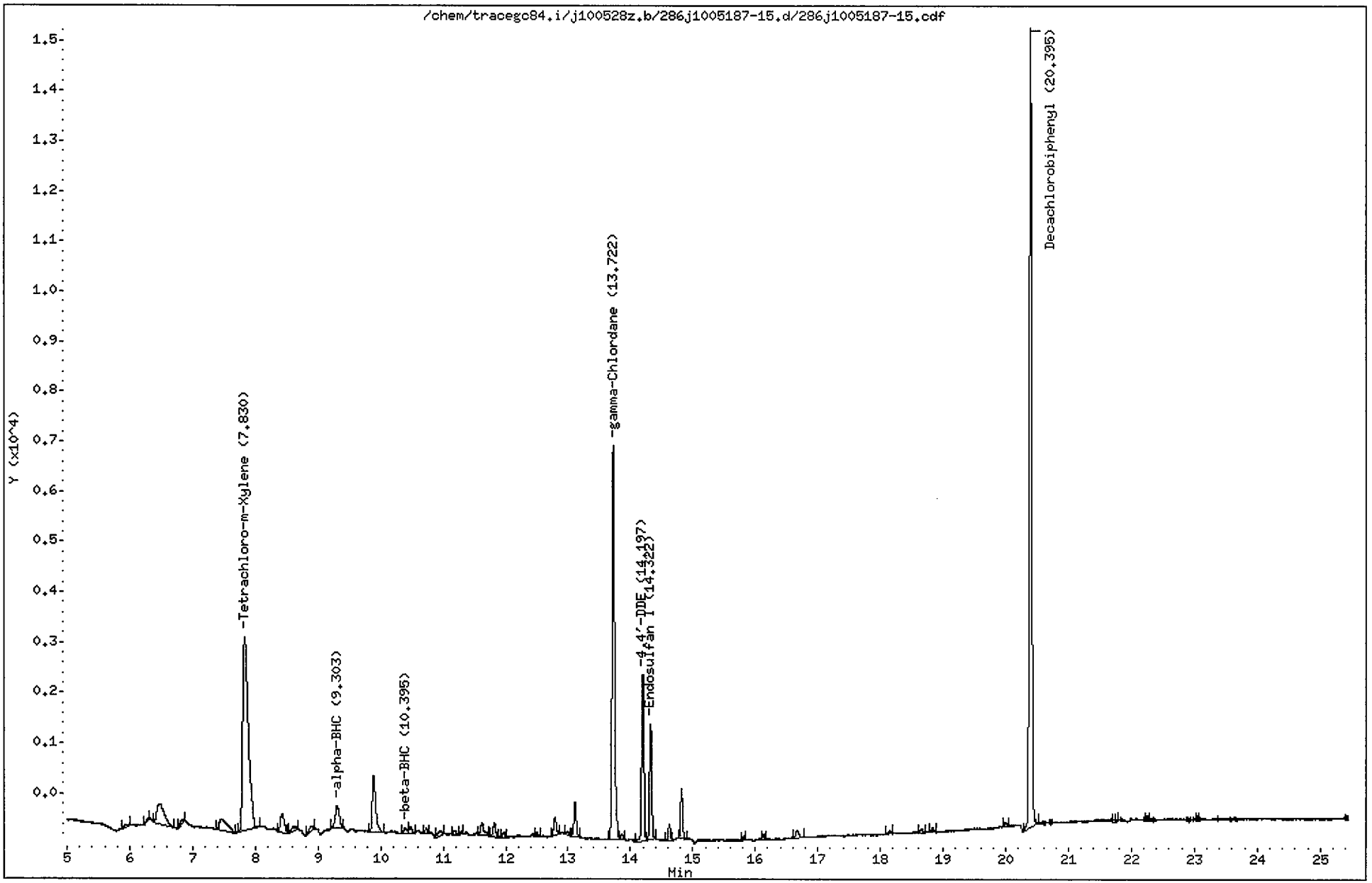
Sample Info: 1005187-15

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005187-15 Client Smp Id : EB2-052710
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 09:48 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528z.b/8081A_clpestv6.m
Misc. Info : EB2-052710

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.47			53037								
2.07			116370								
3.64			490								
4.02			917								
5.95			213								
6.29			133								
6.47			3218								
6.85			269								
7.45			2030								
7.83	7.77	7.91	23786	522758	Tetrachloro-m-Xylene	0.045499	0.227496		75.8	25 - 140	
8.42			1562								
8.61			394								
8.89			338								
9.30	9.29	9.43	1890	775960	alpha-BHC	0.002436	0.012178	0.050000			J
9.89			4357								
10.40	10.34	10.48	385	300532	beta-BHC	0.001281	0.006405	0.050000			J
10.47			414								
10.73			245								
10.95			352								
11.19			216								
11.29			159								
11.62			881								
11.82			791								
11.97			234								
12.50			230								
12.79			1045								
12.99			184								
13.11			1751								
13.72	13.70	13.84	21430	594875	gamma-Chlordane	0.036023	0.180113	0.050000			
13.86			229								
14.20	14.19	14.33	8410	523741	4,4'-DDE	0.016056	0.080278	0.100000			J
14.32	14.29	14.43	5567	548162	Endosulfan I	0.010156	0.050779	0.050000			
14.62			730								
14.82			2361								
15.81			181								
16.13			234								
16.67			538								

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CompuChem

Lab Smp Id : 1005187-15 Client Smp Id : EB2-052710
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 09:48 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528z.b/8081A_clpestv6.m
Misc. Info : EB2-052710

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
18.15		176								
18.66		154								
18.83		179								
19.99		223								
20.40	20.33 20.47	41784	408350	Decachlorobiphenyl	0.102322	0.511608		85.3	30 - 135	
21.70		130								
21.78		145								
22.25		233								
23.04		124								

Data File: /chem/tracegc84.i/j100528z_2C.b/286j1005187-15.d

Date : 06-JUN-2010 09:48

Client ID: EB2-052710

Instrument: tracegc84.i

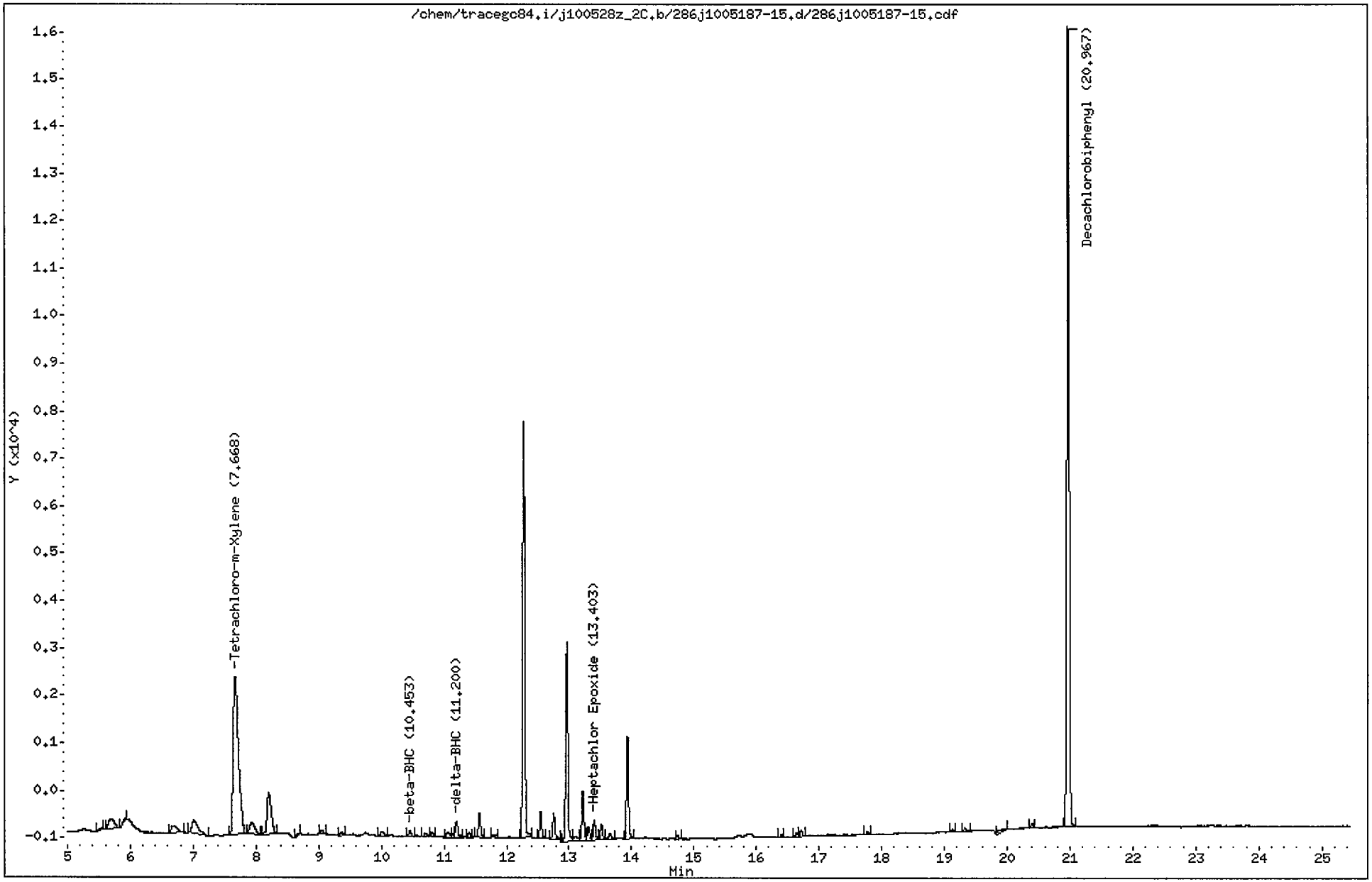
Sample Info: 1005187-15

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005187-15 Client Smp Id : EB2-052710
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 09:48 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528z_2C.b/8081A_clpest2v6.m
Misc. Info : EB2-052710

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.45			19692								
1.89			118379								
3.01			267								
3.29			118								
5.55			137								
5.69			1383								
5.92			207								
6.70			962								
7.01			1972								
7.67	7.61	7.75	19453	416798	Tetrachloro-m-Xylene	0.046673	0.233363		77.8	25 - 140	
7.93			1478								
8.21			4159								
8.67			95								
9.05			226								
9.37			192								
10.01			355								
10.45	10.41	10.55	317	248610	beta-BHC	0.001271	0.006355	0.050000			J
10.71			189								
10.81			189								
11.06			353								
11.14			141								
11.20	11.11	11.25	962	551235	delta-BHC	0.001745	0.008726	0.050000			J
11.40			207								
11.57			1299								
11.79			191								
12.27			20228								
12.54			1234								
12.75			1335								
12.96			10065								
13.10			527								
13.22			2525								
13.31			741								
13.40	13.29	13.43	1098	511912	Heptachlor Epoxide	0.002145	0.010724	0.050000			J
13.52			856								
13.66			441								
13.94			4810								
14.74			148								

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CompuChem

Lab Smp Id : 1005187-15 Client Smp Id : EB2-052710
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 09:48 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528z_2C.b/8081A_clpest2v6.m
Misc. Info : EB2-052710

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
16.40		91								
16.64		170								
16.71		336								
17.77		162								
19.13		115								
19.33		152								
19.98		291								
20.40		218								
20.97	20.90 21.04	42918	406698	Decachlorobiphenyl	0.105526	0.527628		87.9	30 - 135	

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EB3-052710

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 1005187-16

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/27/10

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/28/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/06/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.056	U
319-85-7	beta-BHC	0.021	JP
319-84-6	alpha-BHC	0.056	U
319-86-8	delta-BHC	0.016	J
58-89-9	gamma-BHC (Lindane)	0.056	U
72-54-8	4,4'-DDD	0.11	U
72-55-9	4,4'-DDE	0.11	U
50-29-3	4,4'-DDT	0.043	J
60-57-1	Dieldrin	0.11	U
959-98-8	Endosulfan I	0.056	U
33213-65-9	Endosulfan II	0.11	U
1031-07-8	Endosulfan sulfate	0.11	U
72-20-8	Endrin	0.11	U
7421-93-4	Endrin Aldehyde	0.11	U
76-44-8	Heptachlor	0.056	U
1024-57-3	Heptachlor Epoxide	0.021	J
72-43-5	Methoxychlor	0.56	U
8001-35-2	Toxaphene	2.8	U
53494-70-5	Endrin Ketone	0.11	U
5103-74-2	gamma-Chlordane	0.0095	JP
5103-71-9	alpha-Chlordane	0.056	U

Data File: /chem/tracegc84.i/j100528z.b/287j1005187-16.d

Page 1

Date : 06-JUN-2010 10:17

Client ID: EB3-052710

Instrument: tracegc84.i

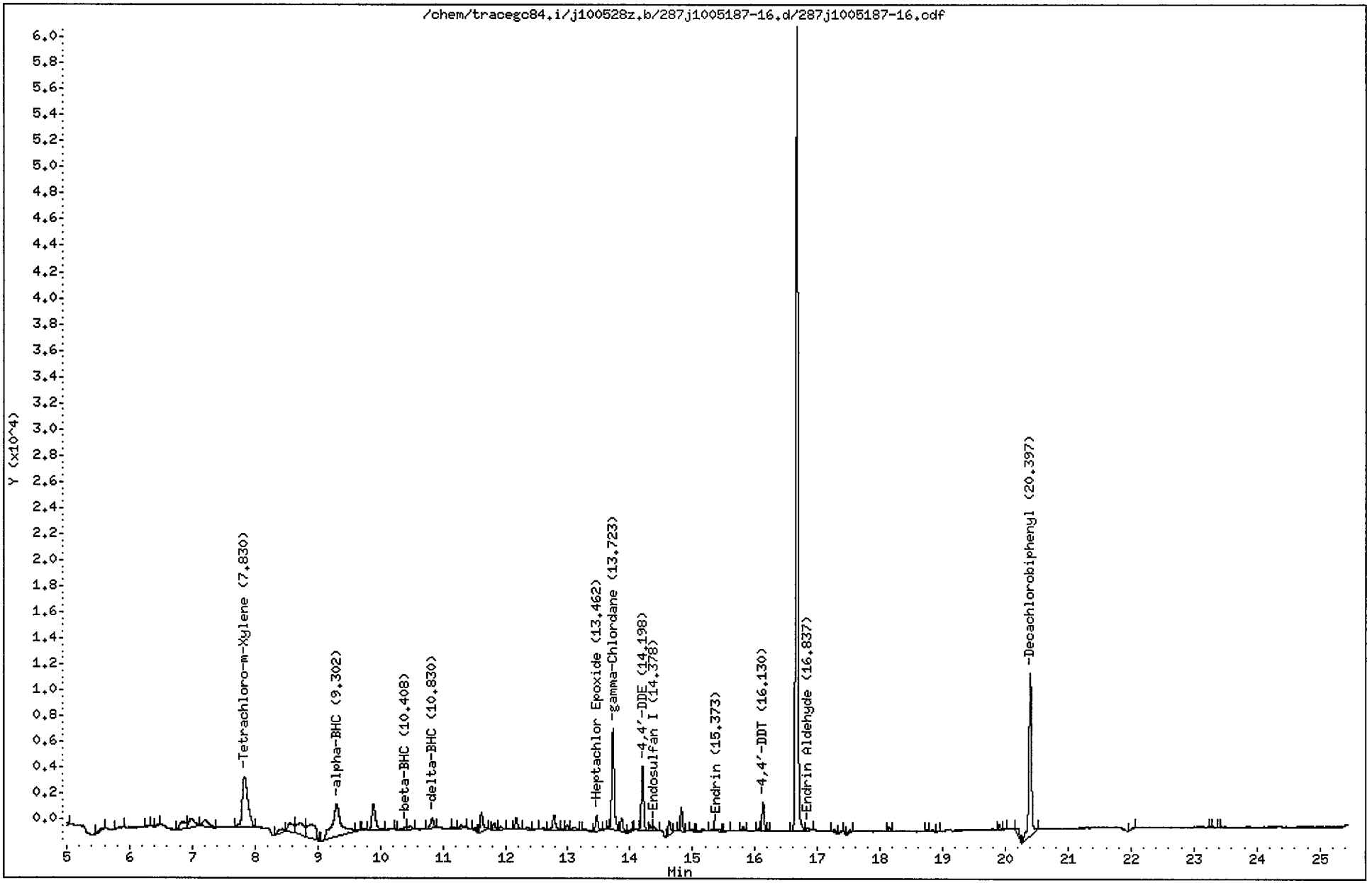
Sample Info: 1005187-16

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005187-16 Client Smp Id : EB3-052710
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 10:17 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528z.b/8081A_clpestv6.m
Misc. Info : EB3-052710

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 900.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.36			396								
1.46			54487								
2.08			137682								
3.65			211								
4.02			9834								
4.51			228								
4.76			16009								
5.58			707								
5.86			558								
6.31			246								
6.47			239								
6.84			3920								
6.98			4755								
7.20			3572								
7.83	7.77	7.91	24548	522758	Tetrachloro-m-Xylene	0.046959	0.260882		78.3	25 - 140	
8.44			1651								
8.57			4241								
8.71			8287								
8.90			10017								
9.30	9.29	9.43	24732	775960	alpha-BHC	0.031871	0.177064	0.055556			
9.64			260								
9.74			246								
9.89			8250								
10.16			444								
10.41	10.34	10.48	1123	300532	beta-BHC	0.003737	0.020759	0.055556			J
10.48			1201								
10.83	10.77	10.91	2880	689518	delta-BHC	0.004175	0.023197	0.055556			J
11.19			299								
11.30			778								
11.51			776								
11.62			4947								
11.82			1420								
11.93			694								
12.17			2410								
12.37			818								
12.50			286								
12.61			518								

CompuChem

Lab Smp Id : 1005187-16 Client Smp Id : EB3-052710
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 10:17 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528z.b/8081A_clpestv6.m
Misc. Info : EB3-052710

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 900.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
12.78		3765								
12.91		246								
12.99		1146								
13.11		904								
13.29		387								
13.46	13.42 13.56	2957	593700	Heptachlor Epoxide	0.004981	0.027670	0.055556			J
13.66		438								
13.72	13.70 13.84	20858	594875	gamma-Chlordane	0.035063	0.194793	0.055556			
13.86		2621								
14.02		219								
14.12		206								
14.20	14.19 14.33	12455	523741	4,4'-DDE	0.023781	0.132116	0.111111			
14.32		819								
14.38	14.29 14.43	821	548162	Endosulfan I	0.001498	0.008321	0.055556			J
14.63		2773								
14.82		4338								
14.99		437								
15.16		961								
15.32		316								
15.37	15.33 15.47	1069	463071	Endrin	0.002306	0.012813	0.111111			J
15.56		352								
15.81		612								
16.06		593								
16.13	16.08 16.22	5258	454781	4,4'-DDT	0.011562	0.064231	0.111111			JM 2
16.23		124								
16.67		148050								
16.84	16.71 16.85	479	348470	Endrin Aldehyde	0.001375	0.007637	0.111111			J
17.27		782								
17.38		336								
17.52		665								
18.14		766								
18.75		177								
18.95		126								
19.90		842								
20.00		160								
20.20		1924								
20.40	20.33 20.47	36277	408350	Decachlorobiphenyl	0.088838	0.493544		74.0	30 - 135	

KJH 6/9/10

CompuChem

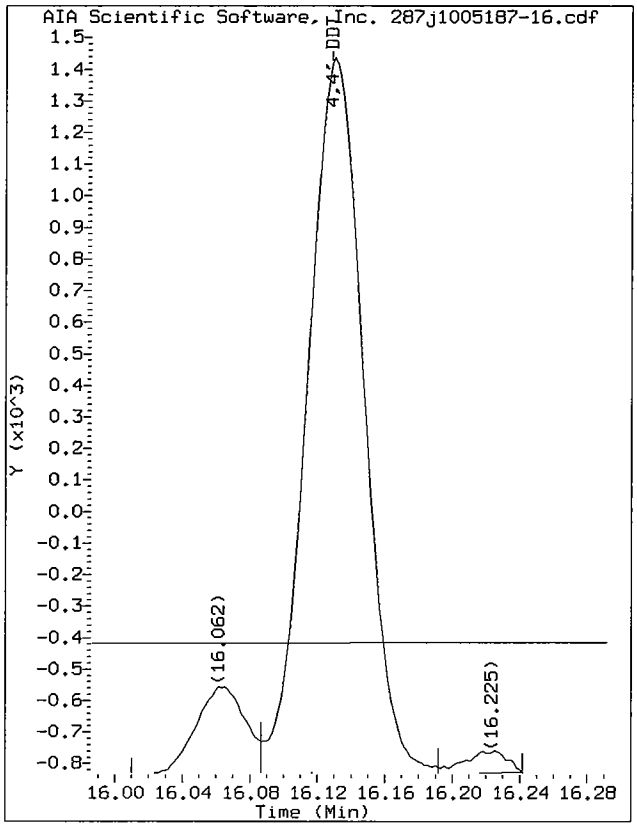
Lab Smp Id : 1005187-16 Client Smp Id : EB3-052710
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 10:17 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528z.b/8081A_clpestv6.m
Misc. Info : EB3-052710

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 900.0(ml)

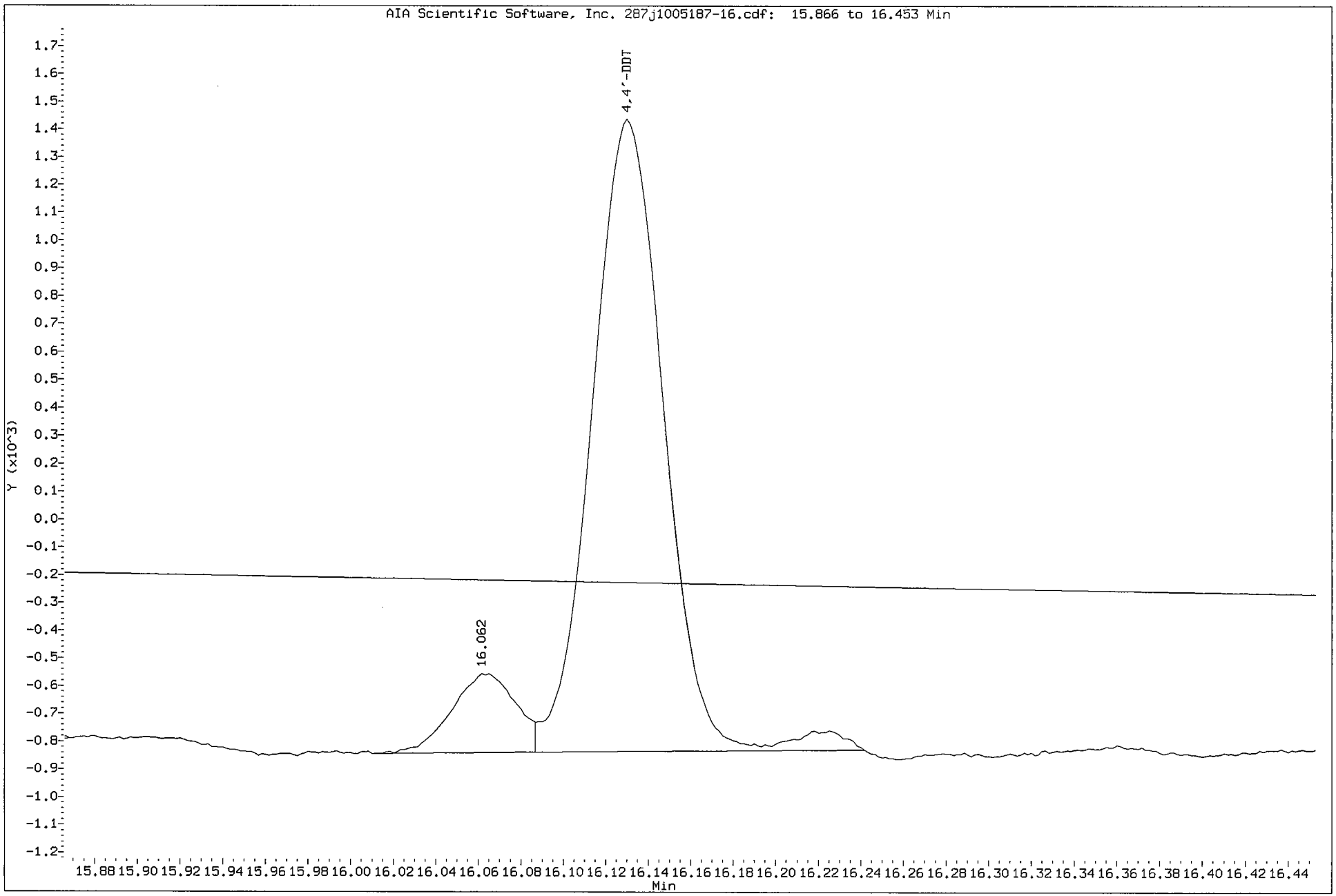
RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
22.05		245								
23.27		138								
23.37		150								

Manually Integrated Peaks



Start: 16.09 Stop: 16.19

Data File: /chem/tracegc84.i/j100528z.b/287j1005187-16.d/287j1005187-16.cdf
Injection Date: 06-JUN-2010 10:17
Instrument: tracegc84.i
Client Sample ID: EB3-052710



Data File: /chem/tracegc84.i/j100528z_2C.b/287j1005187-16.d

Date : 06-JUN-2010 10:17

Client ID: EB3-052710

Instrument: tracegc84.i

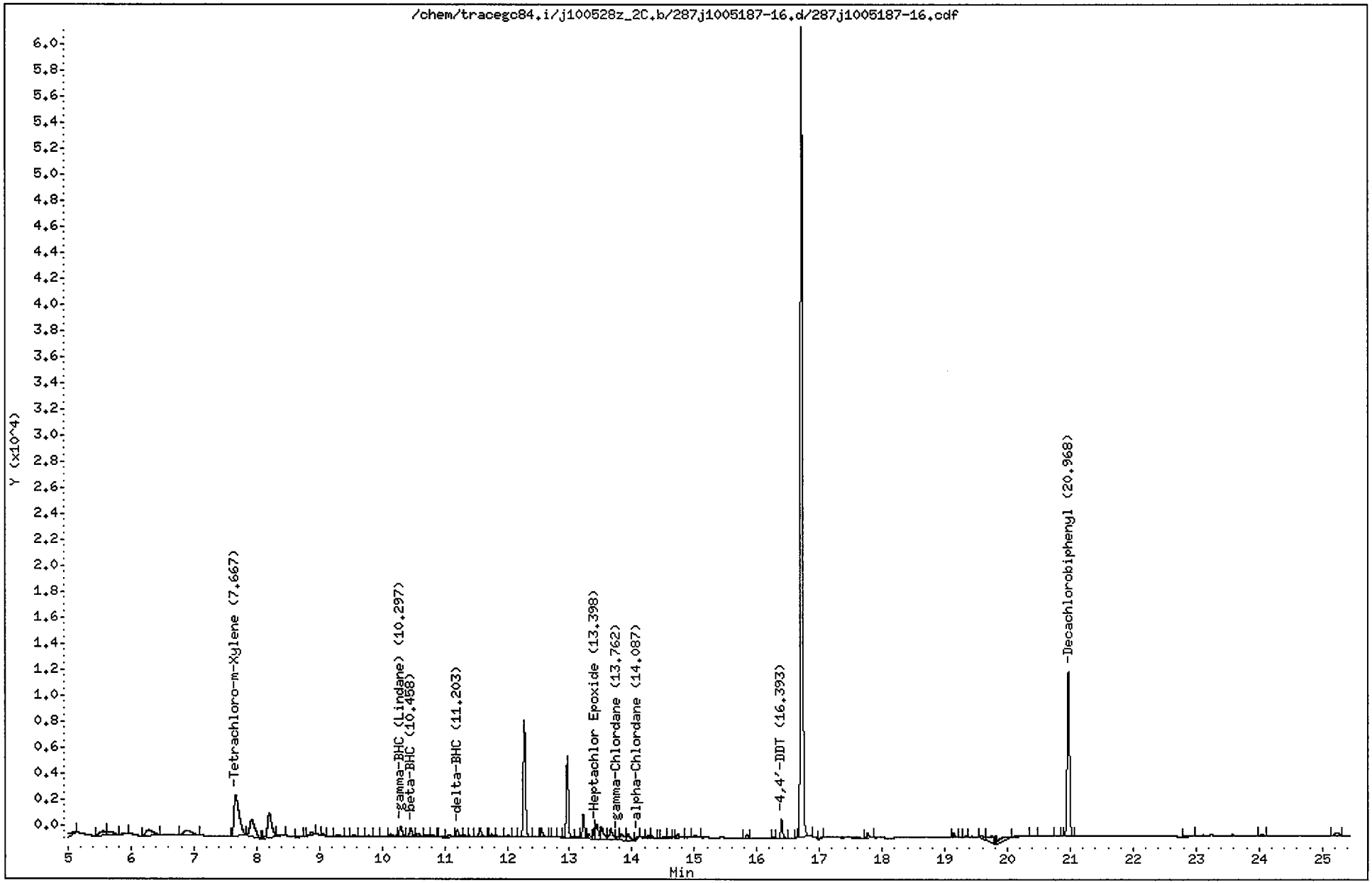
Sample Info: 1005187-16

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005187-16 Client Smp Id : EB3-052710
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 10:17 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528z_2C.b/8081A_clpest2v6.m
Misc. Info : EB3-052710

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 900.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.44		19862								
1.90		132374								
2.99		518								
3.42		867								
4.04		2226								
5.11		954								
5.55		2357								
5.67		2033								
5.91		316								
6.28		3804								
6.87		3482								
7.67	7.61 7.75	18318	416798	Tetrachloro-m-Xylene	0.043947	0.244150		73.2	25 - 140	
7.92		7655								
8.20		9444								
8.36		657								
8.69		271								
8.88		825								
9.05		360								
9.29		428								
9.54		469								
9.79		329								
10.03		291								
10.14		864								
10.30	10.17 10.31	2392	585542	gamma-BHC (Lindane)	0.004083	0.022686	0.055556			J
10.46	10.41 10.55	1863	248610	beta-BHC	0.007490	0.041609	0.055556			J
10.57		842								
10.71		324								
10.81		299								
10.94		450								
11.06		851								
11.20	11.11 11.25	1549	551235	delta-BHC	0.002810	0.015611	0.055556			J
11.32		157								
11.41		194								
11.57		1984								
11.75		464								
12.02		369								
12.12		159								

CompuChem

Lab Smp Id : 1005187-16 Client Smp Id : EB3-052710
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 10:17 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528z_2C.b/8081A_clpest2v6.m
Misc. Info : EB3-052710

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 900.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
12.28		21823								
12.54		1869								
12.76		190								
12.82		273								
12.96		14631								
13.12		590								
13.22		4487								
13.31		1004								
13.40	13.29 13.43	1943	511912	Heptachlor Epoxide	0.003794	0.021076	0.055556			J
13.44		3245								
13.52		3090								
13.66		3350								
13.76	13.71 13.85	879	513150	gamma-Chlordane	0.001711	0.009506	0.055556			J
13.83		2067								
13.94		1962								
14.09	14.04 14.18	533	446248	alpha-Chlordane	0.001192	0.006623	0.055556			J
14.26		357								
14.31		313								
14.53		273								
14.58		316								
14.74		717								
15.02		531								
15.84		552								
16.26		288								
16.39	16.33 16.47	3149	405929	4,4'-DDT	0.007758	0.043097	0.111111			J
16.64		108								
16.71		140950								
17.03		297								
17.77		807								
19.14		727								
19.34		155								
19.59		810								
19.75		2829								
20.02		2405								
20.40		198								
20.78		134								
20.97	20.90 21.04	32413	406698	Decachlorobiphenyl	0.079696	0.442753		66.4	30 - 135	

CompuChem

Lab Smp Id : 1005187-16 Client Smp Id : EB3-052710
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 06-JUN-2010 10:17 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528z_2C.b/8081A_clpest2v6.m
Misc. Info : EB3-052710

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 900.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
22.95		462								
24.05		162								
25.23		748								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB-052510

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 1005187-02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/25/10

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/27/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc84.i/j100528x.b/261j1005187-02.d

Page 1

Date : 05-JUN-2010 21:45

Client ID: FB-052510

Instrument: tracegc84.i

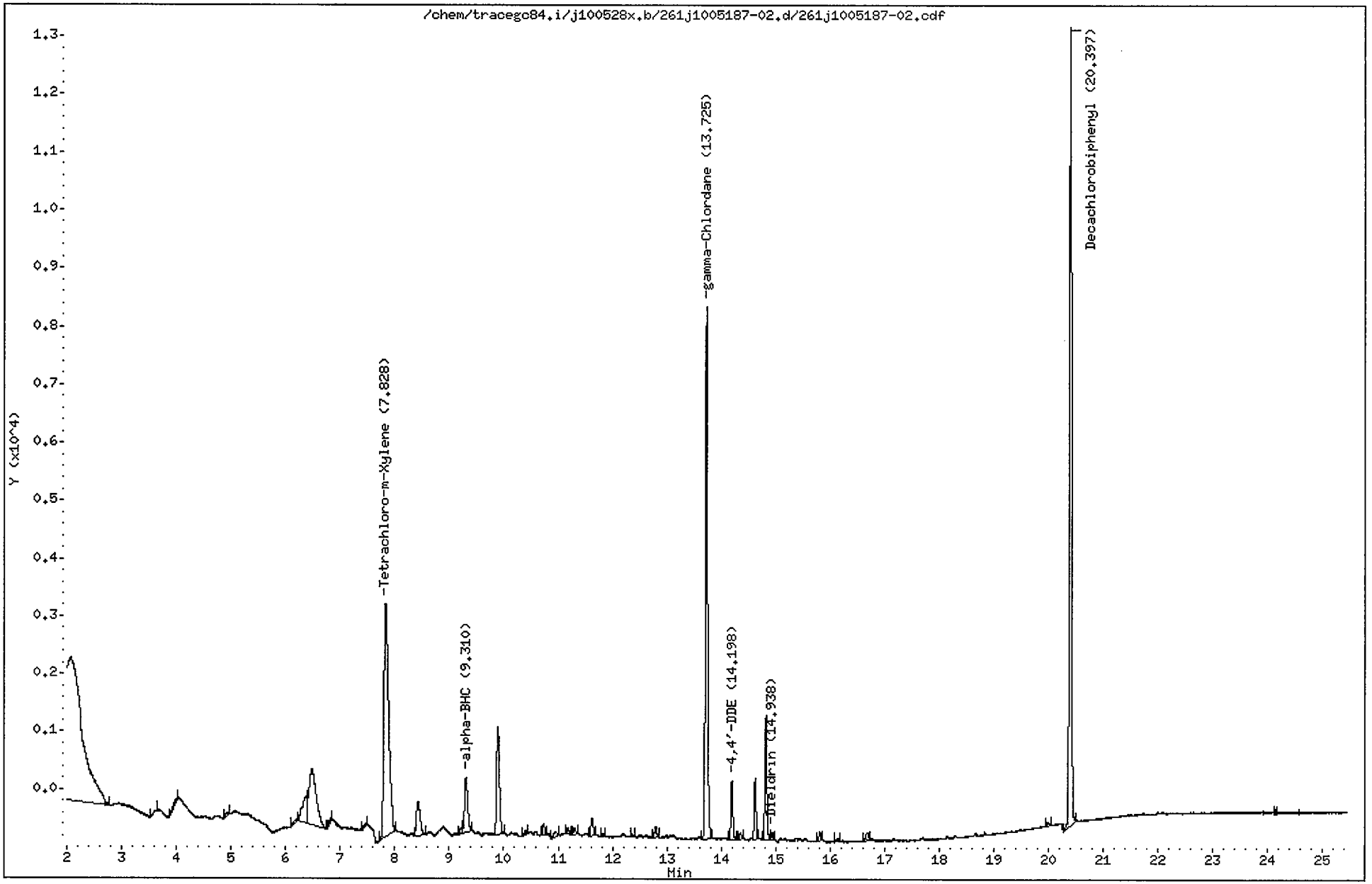
Sample Info: 1005187-02

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005187-02 Client Smp Id : FB-052510
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 21:45 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528x.b/8081A_clpestv6.m
Misc. Info : FB-052510

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.46			65133								
2.06			70846								
3.65			131								
4.01			327								
4.93			196								
6.17			260								
6.36			2746								
6.49			9423								
6.83			205								
7.46			127								
7.83	7.77	7.91	24282	522758	Tetrachloro-m-Xylene	0.046448	0.232240		77.4	25 - 140	
8.42			2752								
9.22			291								
9.31	9.29	9.43	3792	775960	alpha-BHC	0.004886	0.024428	0.050000			J
9.89			6567								
10.40			164								
10.73			559								
10.95			424								
11.19			325								
11.30			306								
11.62			970								
11.82			131								
12.36			131								
12.79			502								
13.72	13.70	13.84	24232	594875	gamma-Chlordane	0.040735	0.203673	0.050000			
14.20	14.19	14.33	2465	523741	4,4'-DDE	0.004707	0.023533	0.100000			J
14.35			272								
14.63			2450								
14.82			5244								
14.94	14.82	14.96	271	515556	Dieldrin	0.000526	0.002628	0.100000			J
15.81			373								
16.14			159								
16.68			483								
20.00			174								
20.40	20.33	20.47	36033	408350	Decachlorobiphenyl	0.088238	0.441190		73.5	30 - 135	
24.17			130								

6/9/10

Data File: /chem/tracegc84.i/j100528x_2C.b/261j1005187-02.d

Date : 05-JUN-2010 21:45

Client ID: FB-052510

Instrument: tracegc84.i

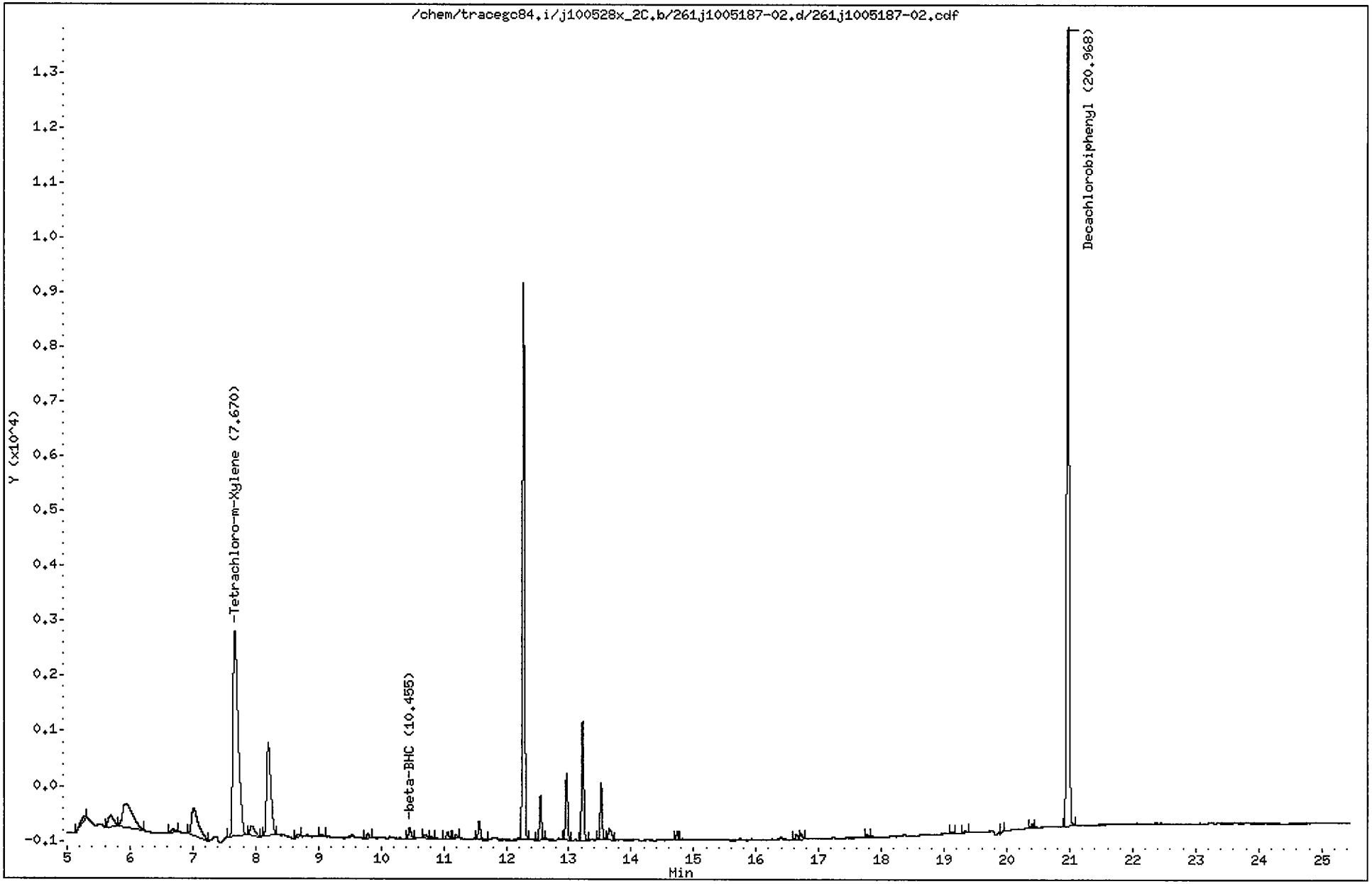
Sample Info: 1005187-02

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 1005187-02 Client Smp Id : FB-052510
Sample Type : SAMPLE Sublist : DODPEST
Inj Date : 05-JUN-2010 21:45 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528x_2C.b/8081A_clpest2v6.m
Misc. Info : FB-052510

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.45		28316								
1.86		65937								
5.28		490								
5.69		1312								
5.92		5164								
6.69		266								
7.01		3586								
7.67	7.61 7.75	21621	416798	Tetrachloro-m-Xylene	0.051874	0.259371		86.5	25 - 140	
7.93		967								
8.20		7870								
8.67		206								
9.05		106								
9.79		250								
10.46	10.41 10.55	588	248610	beta-BHC	0.002361	0.011806	0.050000			J
10.71		228								
10.81		121								
11.06		346								
11.20		172								
11.57		849								
12.28		23110								
12.54		1746								
12.96		2697								
13.22		4840								
13.52		2189								
13.65		765								
14.74		362								
16.64		266								
16.71		248								
17.77		125								
19.13		94								
19.33		104								
19.95		123								
20.40		162								
20.97	20.90 21.04	36981	406698	Decachlorobiphenyl	0.090928	0.454638		75.8	30 - 135	

6/9/10

3. Standards Data

a. Initial Calibration Data (Form VI)

b. Continuing Verification Summary (Form VII)

c. Analytical Sequence (Form VIII)

d. Identification Summary for Single Component Analytes (Form X)

e. Identification Summary for Multicomponent Analytes (Form X) – if applicable

f. Chromatograms and Data System Printouts

a. Initial Calibration Data
(Form VI)

For all GC columns, all instruments, in chronological order by GC column and instrument.

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Instrument ID: TRACEGC84 Calibration Date(s): 05/28/10 05/29/10

Column: CLPEST ID: 0.32 (mm) Calibration Time(s): 1818 0201

LAB FILE ID: RF0.0025: 011J0E27RF0.005: 012J0E270RF0.01: 020J0E2701
RF0.02: 014J0E2701RF0.04: 015J0E2701

COMPOUND	RF0.0025	RF0.005	RF0.01	RF0.02	RF0.04
Aldrin	689000.00	667800.00	632900.00	607950.00	585200.00
beta-BHC	334400.00	297400.00	296600.00	291100.00	283162.50
alpha-BHC	798600.00	792600.00	769400.00	762100.00	757100.00
delta-BHC	705200.00	707400.00	683650.00	678075.00	673262.50
gamma-BHC (Lindane)	754800.00	745400.00	722300.00	718750.00	704712.50
4,4'-DDD	422300.00	410500.00	394025.00	374237.50	366225.00
4,4'-DDE	573800.00	546750.00	517475.00	496737.50	483943.75
4,4'-DDT	503900.00	479100.00	446900.00	427812.50	416193.75
Dieldrin	562300.00	538100.00	508150.00	489762.50	479468.75
Endosulfan I	594200.00	570900.00	555750.00	521425.00	498537.50
Endosulfan II	496600.00	469900.00	446300.00	426475.00	412356.25
Endosulfan sulfate	432700.00	416550.00	389175.00	368575.00	353275.00
Endrin	511200.00	486100.00	461225.00	435025.00	421806.25
Endrin Aldehyde	377500.00	364050.00	355425.00	330325.00	315050.00
Heptachlor	759800.00	731000.00	688850.00	661075.00	636600.00
Heptachlor Epoxide	650600.00	633000.00	591800.00	559950.00	533150.00
Methoxychlor	222640.00	208230.00	190545.00	179402.50	170977.50
Toxaphene			7421.000		
(2)			20833.000		
(3)			14312.500		
(4)			16310.000		
(5)			13342.000		
Endrin Ketone	497200.00	482900.00	453250.00	433600.00	419337.50
gamma-Chlordane	652000.00	634000.00	588300.00	561150.00	538925.00
alpha-Chlordane	569000.00	542600.00	515550.00	489675.00	466737.50
Decachlorobiphenyl	482100.00	446650.00	403000.00	369312.50	340687.50
Tetrachloro-m-Xylene	537800.00	545600.00	518200.00	513275.00	498912.50

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Instrument ID: TRACEGC84 Calibration Date(s): 05/28/10 05/29/10

Column: CLPEST ID: 0.32 (mm) Calibration Time(s): 1818 0201

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Aldrin	AVRG	636570.000	6.7
beta-BHC	AVRG	300532.500	6.6
alpha-BHC	AVRG	775960.000	2.4
delta-BHC	AVRG	689517.500	2.3
gamma-BHC (Lindane)	AVRG	729192.500	2.8
4,4'-DDD	AVRG	393457.500	6.0
4,4'-DDE	AVRG	523741.250	7.0
4,4'-DDT	AVRG	454781.250	8.0
Dieldrin	AVRG	515556.250	6.6
Endosulfan I	AVRG	548162.500	7.0
Endosulfan II	AVRG	450326.250	7.5
Endosulfan sulfate	AVRG	392055.000	8.4
Endrin	AVRG	463071.250	7.9
Endrin Aldehyde	AVRG	348470.000	7.3
Heptachlor	AVRG	695465.000	7.2
Heptachlor Epoxide	AVRG	593700.000	8.2
Methoxychlor	AVRG	194359.000	10.8
Toxaphene	AVRG	7421.00000	0.0
(2)	AVRG	20833.0000	0.0
(3)	AVRG	14312.5000	0.0
(4)	AVRG	16310.0000	0.0
(5)	AVRG	13342.0000	0.0
Endrin Ketone	AVRG	457257.500	7.1
gamma-Chlordane	AVRG	594875.000	8.0
alpha-Chlordane	AVRG	516712.500	7.9
Decachlorobiphenyl	AVRG	408350.000	14.0
Tetrachloro-m-Xylene	AVRG	522757.500	3.6

FORM VI PEST

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Instrument ID: TRACEGC84 Calibration Date(s): 05/28/10 05/29/10

Column: CLPEST2 ID: 0.32 (mm) Calibration Time(s): 1818 0201

LAB FILE ID: RF0.0025: 011J0E27RF0.005: 012J0E270RF0.01: 020J0E2701
RF0.02: 014J0E2701RF0.04: 015J0E2701

COMPOUND	RF0.0025	RF0.005	RF0.01	RF0.02	RF0.04
Aldrin	543000.00	543500.00	537750.00	542075.00	544637.50
beta-BHC	251400.00	256400.00	246700.00	245775.00	242775.00
alpha-BHC	562000.00	589300.00	600750.00	631250.00	655487.50
delta-BHC	525200.00	534800.00	544550.00	567700.00	583925.00
gamma-BHC (Lindane)	558800.00	571500.00	581500.00	600750.00	615162.50
4,4'-DDD	333600.00	340000.00	339575.00	344112.50	345843.75
4,4'-DDE	482400.00	477550.00	465050.00	461000.00	457012.50
4,4'-DDT	414500.00	408650.00	400975.00	403962.50	401556.25
Dieldrin	465800.00	466850.00	460025.00	460187.50	456781.25
Endosulfan I	497200.00	488700.00	474850.00	468950.00	460212.50
Endosulfan II	422000.00	410950.00	403100.00	397450.00	391150.00
Endosulfan sulfate	384700.00	379650.00	363725.00	356675.00	348618.75
Endrin	421800.00	415300.00	404950.00	402612.50	398581.25
Endrin Aldehyde	325700.00	326950.00	322975.00	308375.00	300925.00
Heptachlor	549636.36	594700.00	584800.00	584750.00	583600.00
Heptachlor Epoxide	529000.00	519400.00	509950.00	503825.00	497387.50
Methoxychlor	201820.00	193160.00	181780.00	172997.50	164821.25
Toxaphene			15199.000		
(2)			18826.500		
(3)			23283.000		
(4)			19076.500		
(5)			7795.000		
Endrin Ketone	434900.00	429550.00	419150.00	411237.50	402756.25
gamma-Chlordane	526800.00	521000.00	508500.00	506025.00	503425.00
alpha-Chlordane	463600.00	454800.00	441750.00	437925.00	433162.50
Decachlorobiphenyl	466000.00	432800.00	401125.00	376587.50	356975.00
Tetrachloro-m-Xylene	429200.00	424600.00	410850.00	411550.00	407787.50

FORM VI PEST

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Instrument ID: TRACEGC84 Calibration Date(s): 05/28/10 05/29/10

Column: CLPEST2 ID: 0.32 (mm) Calibration Time(s): 1818 0201

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Aldrin	AVRG	542192.500	0.5
beta-BHC	AVRG	248610.000	2.1
alpha-BHC	AVRG	607757.500	6.0
delta-BHC	AVRG	551235.000	4.4
gamma-BHC (Lindane)	AVRG	585542.500	3.8
4,4'-DDD	AVRG	340626.250	1.4
4,4'-DDE	AVRG	468602.500	2.3
4,4'-DDT	AVRG	405928.750	1.4
Dieldrin	AVRG	461928.750	0.9
Endosulfan I	AVRG	477982.500	3.1
Endosulfan II	AVRG	404930.000	3.0
Endosulfan sulfate	AVRG	366673.750	4.2
Endrin	AVRG	408648.750	2.3
Endrin Aldehyde	AVRG	316985.000	3.7
Heptachlor	AVRG	579497.273	3.0
Heptachlor Epoxide	AVRG	511912.500	2.4
Methoxychlor	AVRG	182915.750	8.2
Toxaphene	AVRG	15199.0000	0.0
(2)	AVRG	18826.5000	0.0
(3)	AVRG	23283.0000	0.0
(4)	AVRG	19076.5000	0.0
(5)	AVRG	7795.00000	0.0
Endrin Ketone	AVRG	419518.750	3.1
gamma-Chlordane	AVRG	513150.000	2.0
alpha-Chlordane	AVRG	446247.500	2.8
Decachlorobiphenyl	AVRG	406697.500	10.7
Tetrachloro-m-Xylene	AVRG	416797.500	2.3

FORM VI PEST

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Instrument ID: TRACEGC84 Calibration Date(s): 05/28/10 05/29/10

Column: CLPEST ID: 0.32 (mm) Calibration Time(s): 1818 0201

LAB FILE ID: RT1: 011J0E27012-CRT2: 012J0E27012-CRT3: 020J0E27012-A
RT4: 014J0E27012-CRT5: 015J0E27012-C

COMPOUND	RT1	RT2	RT3	RT4	RT5
Aldrin	12.340	12.340	12.340	12.340	12.340
beta-BHC	10.660	10.660	10.660	10.660	10.660
alpha-BHC	9.600	9.600	9.610	9.600	9.600
delta-BHC	11.090	11.090	11.100	11.090	11.090
gamma-BHC (Lindane)	10.430	10.430	10.430	10.430	10.430
4,4'-DDD	15.810	15.810	15.820	15.810	15.820
4,4'-DDE	14.510	14.520	14.520	14.510	14.520
4,4'-DDT	16.420	16.420	16.420	16.420	16.420
Dieldrin	15.160	15.170	15.170	15.160	15.170
Endosulfan I	14.630	14.640	14.640	14.630	14.640
Endosulfan II	16.160	16.160	16.160	16.160	16.160
Endosulfan sulfate	18.000	18.000	18.000	18.000	18.000
Endrin	15.680	15.680	15.680	15.680	15.680
Endrin Aldehyde	17.070	17.070	17.070	17.070	17.070
Heptachlor	11.620	11.620	11.620	11.620	11.620
Heptachlor Epoxide	13.750	13.750	13.750	13.750	13.750
Methoxychlor	17.440	17.440	17.440	17.440	17.450
Toxaphene			16.150		
(2)			16.290		
(3)			17.030		
(4)			17.900		
(5)			18.560		
Endrin Ketone	18.600	18.610	18.600	18.600	18.600
gamma-Chlordane	14.040	14.040	14.040	14.030	14.040
alpha-Chlordane	14.340	14.340	14.340	14.330	14.340
Decachlorobiphenyl	20.700	20.700	20.700	20.700	20.700
Tetrachloro-m-Xylene	8.090	8.080	8.090	8.080	8.080

FORM VI PEST

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Instrument ID: TRACEGC84 Calibration Date(s): 05/28/10 05/29/10

Column: CLPEST ID: 0.32 (mm) Calibration Time(s): 1818 0201

COMPOUND	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aldrin	12.340	12.272	12.412
beta-BHC	10.660	10.588	10.728
alpha-BHC	9.602	9.533	9.673
delta-BHC	11.092	11.023	11.163
gamma-BHC (Lindane)	10.430	10.357	10.497
4,4'-DDD	15.814	15.747	15.887
4,4'-DDE	14.516	14.445	14.585
4,4'-DDT	16.420	16.350	16.490
Dieldrin	15.166	15.098	15.238
Endosulfan I	14.636	14.567	14.707
Endosulfan II	16.160	16.092	16.232
Endosulfan sulfate	18.000	17.933	18.073
Endrin	15.680	15.605	15.745
Endrin Aldehyde	17.070	16.997	17.137
Heptachlor	11.620	11.552	11.692
Heptachlor Epoxide	13.750	13.683	13.823
Methoxychlor	17.442	17.375	17.515
Toxaphene	16.150	16.078	16.218
(2)	16.290	16.223	16.363
(3)	17.030	16.957	17.097
(4)	17.900	17.827	17.967
(5)	18.560	18.493	18.633
Endrin Ketone	18.602	18.533	18.673
gamma-Chlordane	14.038	13.967	14.107
alpha-Chlordane	14.338	14.265	14.405
Decachlorobiphenyl	20.700	20.635	20.775
Tetrachloro-m-Xylene	8.084	8.012	8.152

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Instrument ID: TRACEGC84 Calibration Date(s): 05/28/10 05/29/10

Column: CLPEST2 ID: 0.32 (mm) Calibration Time(s): 1818 0201

LAB FILE ID: RT1: 011J0E27012-CRT2: 012J0E27012-CRT3: 020J0E27012-A
RT4: 014J0E27012-CRT5: 015J0E27012-C

COMPOUND	RT1	RT2	RT3	RT4	RT5
Aldrin	12.280	12.280	12.280	12.280	12.280
beta-BHC	10.700	10.700	10.700	10.690	10.700
alpha-BHC	9.550	9.550	9.550	9.550	9.550
delta-BHC	11.400	11.400	11.400	11.400	11.400
gamma-BHC (Lindane)	10.460	10.460	10.460	10.460	10.460
4,4'-DDD	15.970	15.980	15.970	15.970	15.980
4,4'-DDE	14.730	14.730	14.730	14.730	14.730
4,4'-DDT	16.640	16.640	16.640	16.640	16.640
Dieldrin	15.060	15.060	15.060	15.060	15.060
Endosulfan I	14.460	14.460	14.460	14.460	14.460
Endosulfan II	16.180	16.180	16.180	16.180	16.180
Endosulfan sulfate	17.490	17.490	17.490	17.490	17.490
Endrin	15.720	15.720	15.720	15.720	15.720
Endrin Aldehyde	16.900	16.900	16.900	16.900	16.900
Heptachlor	11.520	11.520	11.530	11.520	11.520
Heptachlor Epoxide	13.600	13.600	13.600	13.600	13.600
Methoxychlor	18.090	18.100	18.090	18.090	18.100
Toxaphene			15.610		
(2)			16.360		
(3)			16.920		
(4)			18.120		
(5)			18.540		
Endrin Ketone	18.630	18.630	18.630	18.630	18.630
gamma-Chlordane	14.020	14.020	14.020	14.020	14.020
alpha-Chlordane	14.350	14.350	14.350	14.340	14.350
Decachlorobiphenyl	21.250	21.250	21.250	21.250	21.250
Tetrachloro-m-Xylene	7.890	7.890	7.890	7.890	7.890

FORM VI PEST

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Instrument ID: TRACEGC84 Calibration Date(s): 05/28/10 05/29/10

Column: CLPEST2 ID: 0.32 (mm) Calibration Time(s): 1818 0201

COMPOUND	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aldrin	12.280	12.208	12.348
beta-BHC	10.698	10.625	10.765
alpha-BHC	9.550	9.480	9.620
delta-BHC	11.400	11.330	11.470
gamma-BHC (Lindane)	10.460	10.390	10.530
4,4'-DDD	15.974	15.907	16.047
4,4'-DDE	14.730	14.665	14.805
4,4'-DDT	16.640	16.572	16.712
Dieldrin	15.060	14.993	15.133
Endosulfan I	14.460	14.392	14.532
Endosulfan II	16.180	16.108	16.248
Endosulfan sulfate	17.490	17.420	17.560
Endrin	15.720	15.652	15.792
Endrin Aldehyde	16.900	16.833	16.973
Heptachlor	11.522	11.453	11.593
Heptachlor Epoxide	13.600	13.528	13.668
Methoxychlor	18.094	18.027	18.167
Toxaphene	15.610	15.535	15.675
(2)	16.360	16.288	16.428
(3)	16.920	16.847	16.987
(4)	18.120	18.050	18.190
(5)	18.540	18.465	18.605
Endrin Ketone	18.630	18.557	18.697
gamma-Chlordane	14.020	13.952	14.092
alpha-Chlordane	14.348	14.277	14.417
Decachlorobiphenyl	21.250	21.180	21.320
Tetrachloro-m-Xylene	7.890	7.823	7.963

b. Continuing Calibration Summary (Form VII)

For all performance evaluation mixtures (if applicable) and Continuing calibration verification standards, on all GC columns and instruments, in chronological order by GC column and instrument.

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Instrument ID: TRACEGC84 Calibration Date: 06/05/10 Time: 1823

Lab File ID: 254JSEQ-CCV6 Init. Calib. Date(s): 05/28/10 05/28/10

Init. Calib. Times: 1818 2014

GC Column: CLPEST ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	636570.00	682070.00	0.01	7.15	20.00	AVRG
alpha-BHC	775960.00	841695.00	0.01	8.47	20.00	AVRG
beta-BHC	300532.50	323520.00	0.01	7.65	20.00	AVRG
delta-BHC	689517.50	745712.50	0.01	8.15	20.00	AVRG
gamma-BHC (Lindane)	729192.50	786965.00	0.01	7.92	20.00	AVRG
4,4'-DDD	393457.50	408758.75	0.01	3.89	20.00	AVRG
4,4'-DDE	523741.25	532591.25	0.01	1.69	20.00	AVRG
4,4'-DDT	454781.25	466745.00	0.01	2.63	20.00	AVRG
Dieldrin	515556.25	544215.00	0.01	5.56	20.00	AVRG
Endosulfan I	548162.50	559437.50	0.01	2.06	20.00	AVRG
Endosulfan II	450326.25	471907.50	0.01	4.79	20.00	AVRG
Endosulfan sulfate	392055.00	405186.25	0.01	3.35	20.00	AVRG
Endrin	463071.25	497587.50	0.01	7.45	20.00	AVRG
Endrin Aldehyde	348470.00	370740.00	0.01	6.39	20.00	AVRG
Heptachlor	695465.00	735917.50	0.01	5.82	20.00	AVRG
Heptachlor Epoxide	593700.00	628025.00	0.01	5.78	20.00	AVRG
Methoxychlor	194359.00	197036.00	0.01	1.38	20.00	AVRG
Endrin Ketone	457257.50	464611.25	0.01	1.61	20.00	AVRG
gamma-Chlordane	594875.00	628350.00	0.01	5.63	20.00	AVRG
alpha-Chlordane	516712.50	549945.00	0.01	6.43	20.00	AVRG
Decachlorobiphenyl	408350.00	404345.00	0.01	-0.98	20.00	AVRG
Tetrachloro-m-Xylene	522757.50	574012.50	0.01	9.80	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Instrument ID: TRACEGC84 Calibration Date: 06/05/10 Time: 1823

Lab File ID: 254JSEQ-CCV6 Init. Calib. Date(s): 05/28/10 05/28/10

Init. Calib. Times: 1818 2014

GC Column: CLPEST2 ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	542192.50	570757.50	0.01	5.27	20.00	AVRG
beta-BHC	248610.00	261010.00	0.01	4.99	20.00	AVRG
alpha-BHC	607757.50	642480.00	0.01	5.71	20.00	AVRG
delta-BHC	551235.00	569915.00	0.01	3.39	20.00	AVRG
gamma-BHC (Lindane)	585542.50	619695.00	0.01	5.83	20.00	AVRG
4,4'-DDD	340626.25	354650.00	0.01	4.12	20.00	AVRG
4,4'-DDE	468602.50	492297.50	0.01	5.06	20.00	AVRG
4,4'-DDT	405928.75	411810.00	0.01	1.45	20.00	AVRG
Dieldrin	461928.75	489150.00	0.01	5.89	20.00	AVRG
Endosulfan I	477982.50	500930.00	0.01	4.80	20.00	AVRG
Endosulfan II	404930.00	423922.50	0.01	4.69	20.00	AVRG
Endosulfan sulfate	366673.75	378545.00	0.01	3.24	20.00	AVRG
Endrin	408648.75	444203.75	0.01	8.70	20.00	AVRG
Endrin Aldehyde	316985.00	331170.00	0.01	4.47	20.00	AVRG
Heptachlor	579497.27	611150.00	0.01	5.46	20.00	AVRG
Heptachlor Epoxide	511912.50	537250.00	0.01	4.95	20.00	AVRG
Methoxychlor	182915.75	183680.50	0.01	0.42	20.00	AVRG
Endrin Ketone	419518.75	429472.50	0.01	2.37	20.00	AVRG
gamma-Chlordane	513150.00	540870.00	0.01	5.40	20.00	AVRG
alpha-Chlordane	446247.50	467927.50	0.01	4.86	20.00	AVRG
Decachlorobiphenyl	406697.50	406962.50	0.01	0.06	20.00	AVRG
Tetrachloro-m-Xylene	416797.50	431950.00	0.01	3.64	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Instrument ID: TRACEGC84 Calibration Date: 06/06/10 Time: 0108

Lab File ID: 268JSEQ-CCV7 Init. Calib. Date(s): 05/28/10 05/28/10

Init. Calib. Times: 1818 2014

GC Column: CLPEST ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	636570.00	686020.00	0.01	7.77	20.00	AVRG
alpha-BHC	775960.00	846402.50	0.01	9.08	20.00	AVRG
beta-BHC	300532.50	326472.50	0.01	8.63	20.00	AVRG
delta-BHC	689517.50	746607.50	0.01	8.28	20.00	AVRG
gamma-BHC (Lindane)	729192.50	792382.50	0.01	8.66	20.00	AVRG
4,4'-DDD	393457.50	413421.25	0.01	5.07	20.00	AVRG
4,4'-DDE	523741.25	551463.75	0.01	5.29	20.00	AVRG
4,4'-DDT	454781.25	471630.00	0.01	3.70	20.00	AVRG
Dieldrin	515556.25	544048.75	0.01	5.53	20.00	AVRG
Endosulfan I	548162.50	597900.00	0.01	9.07	20.00	AVRG
Endosulfan II	450326.25	476025.00	0.01	5.71	20.00	AVRG
Endosulfan sulfate	392055.00	407205.00	0.01	3.86	20.00	AVRG
Endrin	463071.25	496650.00	0.01	7.25	20.00	AVRG
Endrin Aldehyde	348470.00	373491.25	0.01	7.18	20.00	AVRG
Heptachlor	695465.00	748460.00	0.01	7.62	20.00	AVRG
Heptachlor Epoxide	593700.00	635240.00	0.01	7.00	20.00	AVRG
Methoxychlor	194359.00	197337.75	0.01	1.53	20.00	AVRG
Endrin Ketone	457257.50	475752.50	0.01	4.04	20.00	AVRG
gamma-Chlordane	594875.00	633945.00	0.01	6.57	20.00	AVRG
alpha-Chlordane	516712.50	557230.00	0.01	7.84	20.00	AVRG
Decachlorobiphenyl	408350.00	409960.00	0.01	0.39	20.00	AVRG
Tetrachloro-m-Xylene	522757.50	566597.50	0.01	8.39	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Instrument ID: TRACEGC84 Calibration Date: 06/06/10 Time: 0108

Lab File ID: 268JSEQ-CCV7 Init. Calib. Date(s): 05/28/10 05/28/10

Init. Calib. Times: 1818 2014

GC Column: CLPEST2 ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	542192.50	575825.00	0.01	6.20	20.00	AVRG
beta-BHC	248610.00	262762.50	0.01	5.69	20.00	AVRG
alpha-BHC	607757.50	643905.00	0.01	5.95	20.00	AVRG
delta-BHC	551235.00	565120.00	0.01	2.52	20.00	AVRG
gamma-BHC (Lindane)	585542.50	622445.00	0.01	6.30	20.00	AVRG
4,4'-DDD	340626.25	354915.00	0.01	4.19	20.00	AVRG
4,4'-DDE	468602.50	495972.50	0.01	5.84	20.00	AVRG
4,4'-DDT	405928.75	415545.00	0.01	2.37	20.00	AVRG
Dieldrin	461928.75	494037.50	0.01	6.95	20.00	AVRG
Endosulfan I	477982.50	507185.00	0.01	6.11	20.00	AVRG
Endosulfan II	404930.00	428811.25	0.01	5.90	20.00	AVRG
Endosulfan sulfate	366673.75	381110.00	0.01	3.94	20.00	AVRG
Endrin	408648.75	442006.25	0.01	8.16	20.00	AVRG
Endrin Aldehyde	316985.00	335167.50	0.01	5.74	20.00	AVRG
Heptachlor	579497.27	614887.50	0.01	6.11	20.00	AVRG
Heptachlor Epoxide	511912.50	543077.50	0.01	6.09	20.00	AVRG
Methoxychlor	182915.75	183758.00	0.01	0.46	20.00	AVRG
Endrin Ketone	419518.75	436582.50	0.01	4.07	20.00	AVRG
gamma-Chlordane	513150.00	547162.50	0.01	6.63	20.00	AVRG
alpha-Chlordane	446247.50	474195.00	0.01	6.26	20.00	AVRG
Decachlorobiphenyl	406697.50	413220.00	0.01	1.60	20.00	AVRG
Tetrachloro-m-Xylene	416797.50	432950.00	0.01	3.88	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Instrument ID: TRACEGC84 Calibration Date: 06/06/10 Time: 0753

Lab File ID: 282JSEQ-CCV8 Init. Calib. Date(s): 05/28/10 05/28/10

Init. Calib. Times: 1818 2014

GC Column: CLPEST ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	636570.00	692565.00	0.01	8.80	20.00	AVRG
alpha-BHC	775960.00	852240.00	0.01	9.83	20.00	AVRG
beta-BHC	300532.50	330825.00	0.01	10.08	20.00	AVRG
delta-BHC	689517.50	749100.00	0.01	8.64	20.00	AVRG
gamma-BHC (Lindane)	729192.50	798937.50	0.01	9.56	20.00	AVRG
4,4'-DDD	393457.50	411232.50	0.01	4.52	20.00	AVRG
4,4'-DDE	523741.25	553812.50	0.01	5.74	20.00	AVRG
4,4'-DDT	454781.25	467981.25	0.01	2.90	20.00	AVRG
Dieldrin	515556.25	549931.25	0.01	6.67	20.00	AVRG
Endosulfan I	548162.50	601730.00	0.01	9.77	20.00	AVRG
Endosulfan II	450326.25	472380.00	0.01	4.90	20.00	AVRG
Endosulfan sulfate	392055.00	403887.50	0.01	3.02	20.00	AVRG
Endrin	463071.25	502582.50	0.01	8.53	20.00	AVRG
Endrin Aldehyde	348470.00	368315.00	0.01	5.69	20.00	AVRG
Heptachlor	695465.00	753400.00	0.01	8.33	20.00	AVRG
Heptachlor Epoxide	593700.00	638157.50	0.01	7.49	20.00	AVRG
Methoxychlor	194359.00	193834.00	0.01	-0.27	20.00	AVRG
Endrin Ketone	457257.50	465782.50	0.01	1.86	20.00	AVRG
gamma-Chlordane	594875.00	639895.00	0.01	7.57	20.00	AVRG
alpha-Chlordane	516712.50	562000.00	0.01	8.76	20.00	AVRG
Decachlorobiphenyl	408350.00	401038.75	0.01	-1.79	20.00	AVRG
Tetrachloro-m-Xylene	522757.50	575810.00	0.01	10.15	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Instrument ID: TRACEGC84 Calibration Date: 06/06/10 Time: 0753

Lab File ID: 282JSEQ-CCV8 Init. Calib. Date(s): 05/28/10 05/28/10

Init. Calib. Times: 1818 2014

GC Column: CLPEST2 ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	542192.50	582180.00	0.01	7.38	20.00	AVRG
beta-BHC	248610.00	265090.00	0.01	6.63	20.00	AVRG
alpha-BHC	607757.50	650427.50	0.01	7.02	20.00	AVRG
delta-BHC	551235.00	577197.50	0.01	4.71	20.00	AVRG
gamma-BHC (Lindane)	585542.50	629440.00	0.01	7.50	20.00	AVRG
4,4'-DDD	340626.25	355185.00	0.01	4.27	20.00	AVRG
4,4'-DDE	468602.50	499103.75	0.01	6.51	20.00	AVRG
4,4'-DDT	405928.75	411012.50	0.01	1.25	20.00	AVRG
Dieldrin	461928.75	496257.50	0.01	7.43	20.00	AVRG
Endosulfan I	477982.50	510365.00	0.01	6.77	20.00	AVRG
Endosulfan II	404930.00	425747.50	0.01	5.14	20.00	AVRG
Endosulfan sulfate	366673.75	375998.75	0.01	2.54	20.00	AVRG
Endrin	408648.75	444725.00	0.01	8.83	20.00	AVRG
Endrin Aldehyde	316985.00	331285.00	0.01	4.51	20.00	AVRG
Heptachlor	579497.27	622237.50	0.01	7.38	20.00	AVRG
Heptachlor Epoxide	511912.50	547680.00	0.01	6.99	20.00	AVRG
Methoxychlor	182915.75	180973.50	0.01	-1.06	20.00	AVRG
Endrin Ketone	419518.75	429025.00	0.01	2.26	20.00	AVRG
gamma-Chlordane	513150.00	553097.50	0.01	7.78	20.00	AVRG
alpha-Chlordane	446247.50	477210.00	0.01	6.94	20.00	AVRG
Decachlorobiphenyl	406697.50	405400.00	0.01	-0.32	20.00	AVRG
Tetrachloro-m-Xylene	416797.50	439310.00	0.01	5.40	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Instrument ID: TRACEGC84 Calibration Date: 06/06/10 Time: 1144

Lab File ID: 290JSEQ-CCV9 Init. Calib. Date(s): 05/28/10 05/28/10

Init. Calib. Times: 1818 2014

GC Column: CLPEST ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	636570.00	699590.00	0.01	9.90	20.00	AVRG
alpha-BHC	775960.00	863487.50	0.01	11.28	20.00	AVRG
beta-BHC	300532.50	333070.00	0.01	10.83	20.00	AVRG
delta-BHC	689517.50	755457.50	0.01	9.56	20.00	AVRG
gamma-BHC (Lindane)	729192.50	805015.00	0.01	10.40	20.00	AVRG
4,4'-DDD	393457.50	421280.00	0.01	7.07	20.00	AVRG
4,4'-DDE	523741.25	547396.25	0.01	4.52	20.00	AVRG
4,4'-DDT	454781.25	478666.25	0.01	5.25	20.00	AVRG
Dieldrin	515556.25	560085.00	0.01	8.64	20.00	AVRG
Endosulfan I	548162.50	577555.00	0.01	5.36	20.00	AVRG
Endosulfan II	450326.25	485922.50	0.01	7.90	20.00	AVRG
Endosulfan sulfate	392055.00	414652.50	0.01	5.76	20.00	AVRG
Endrin	463071.25	511783.75	0.01	10.52	20.00	AVRG
Endrin Aldehyde	348470.00	376222.50	0.01	7.96	20.00	AVRG
Heptachlor	695465.00	762002.50	0.01	9.57	20.00	AVRG
Heptachlor Epoxide	593700.00	649370.00	0.01	9.38	20.00	AVRG
Methoxychlor	194359.00	199289.75	0.01	2.54	20.00	AVRG
Endrin Ketone	457257.50	480246.25	0.01	5.03	20.00	AVRG
gamma-Chlordane	594875.00	650800.00	0.01	9.40	20.00	AVRG
alpha-Chlordane	516712.50	568005.00	0.01	9.93	20.00	AVRG
Decachlorobiphenyl	408350.00	433100.00	0.01	6.06	20.00	AVRG
Tetrachloro-m-Xylene	522757.50	576952.50	0.01	10.37	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Instrument ID: TRACEGC84 Calibration Date: 06/06/10 Time: 1144

Lab File ID: 290JSEQ-CCV9 Init. Calib. Date(s): 05/28/10 05/28/10

Init. Calib. Times: 1818 2014

GC Column: CLPEST2 ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.0100 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aldrin	542192.50	589907.50	0.01	8.80	20.00	AVRG
beta-BHC	248610.00	267750.00	0.01	7.70	20.00	AVRG
alpha-BHC	607757.50	661480.00	0.01	8.84	20.00	AVRG
delta-BHC	551235.00	577932.50	0.01	4.84	20.00	AVRG
gamma-BHC (Lindane)	585542.50	634875.00	0.01	8.42	20.00	AVRG
4,4'-DDD	340626.25	362592.50	0.01	6.45	20.00	AVRG
4,4'-DDE	468602.50	506092.50	0.01	8.00	20.00	AVRG
4,4'-DDT	405928.75	422892.50	0.01	4.18	20.00	AVRG
Dieldrin	461928.75	505217.50	0.01	9.37	20.00	AVRG
Endosulfan I	477982.50	517355.00	0.01	8.24	20.00	AVRG
Endosulfan II	404930.00	437135.00	0.01	7.95	20.00	AVRG
Endosulfan sulfate	366673.75	387242.50	0.01	5.61	20.00	AVRG
Endrin	408648.75	457286.25	0.01	11.90	20.00	AVRG
Endrin Aldehyde	316985.00	342576.25	0.01	8.07	20.00	AVRG
Heptachlor	579497.27	629865.00	0.01	8.69	20.00	AVRG
Heptachlor Epoxide	511912.50	553935.00	0.01	8.21	20.00	AVRG
Methoxychlor	182915.75	186674.25	0.01	2.05	20.00	AVRG
Endrin Ketone	419518.75	441532.50	0.01	5.25	20.00	AVRG
gamma-Chlordane	513150.00	559752.50	0.01	9.08	20.00	AVRG
alpha-Chlordane	446247.50	484577.50	0.01	8.59	20.00	AVRG
Decachlorobiphenyl	406697.50	419497.50	0.01	3.15	20.00	AVRG
Tetrachloro-m-Xylene	416797.50	441530.00	0.01	5.93	20.00	AVRG

FORM VII PEST

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): _____ Date Analyzed :_____

Lab Sample ID (PIBLK): _____ Time Analyzed :_____

EPA Sample No.(PEM): PEMHA Date Analyzed :05/28/10

Lab Sample ID (PEM): 0E27012-PEM1 Time Analyzed :1749

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD				
4,4'-DDE	14.50	14.45	14.59	134
4,4'-DDT	16.42	16.35	16.49	13271
Endrin	15.68	15.61	15.74	10368
Endrin Aldehyde	17.07	17.00	17.14	184
Endrin Ketone	18.61	18.53	18.67	230

4,4'-DDT % breakdown (1): 1.000 Endrin % breakdown (1): 3.84

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): _____ Date Analyzed :_____

Lab Sample ID (PIBLK): _____ Time Analyzed :_____

EPA Sample No.(PEM): PEMHA Date Analyzed :05/28/10

Lab Sample ID (PEM): 0E27012-PEM1 Time Analyzed :1749

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	15.91	15.91	16.05	30
4,4'-DDE	14.73	14.66	14.80	94
4,4'-DDT	16.64	16.57	16.71	11744
Endrin	15.72	15.65	15.79	8924
Endrin Aldehyde	16.91	16.83	16.97	100
Endrin Ketone	18.63	18.56	18.70	174

4,4'-DDT % breakdown (1): 1.04 Endrin % breakdown (1): 2.98

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): PIBLKKW Date Analyzed :06/05/10

Lab Sample ID (PIBLK): SEQ-CCB6 Time Analyzed :1754

EPA Sample No.(PEM): PEMKX Date Analyzed :06/05/10

Lab Sample ID (PEM): SEQ-PEM6 Time Analyzed :1852

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	15.54	15.48	15.62	180
4,4'-DDE	14.24	14.19	14.32	209
4,4'-DDT	16.14	16.08	16.22	14191
Endrin	15.38	15.33	15.47	11516
Endrin Aldehyde	16.77	16.71	16.86	247
Endrin Ketone	18.30	18.24	18.38	316

4,4'-DDT % breakdown (1): 2.67 Endrin % breakdown (1): 4.66

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): PIBLKKX Date Analyzed :06/05/10

Lab Sample ID (PIBLK): SEQ-CCB6 Time Analyzed :1754

EPA Sample No.(PEM): PEMKX Date Analyzed :06/05/10

Lab Sample ID (PEM): SEQ-PEM6 Time Analyzed :1852

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	15.74	15.67	15.81	136
4,4'-DDE	14.50	14.43	14.57	150
4,4'-DDT	16.40	16.33	16.47	12208
Endrin	15.47	15.40	15.54	9771
Endrin Aldehyde	16.66	16.59	16.73	191
Endrin Ketone	18.37	18.30	18.44	253

4,4'-DDT % breakdown (1): 2.29 Endrin % breakdown (1): 4.35

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): PIBLKKY Date Analyzed :06/06/10

Lab Sample ID (PIBLK): SEQ-CCB7 Time Analyzed :0039

EPA Sample No.(PEM): PEMKZ Date Analyzed :06/06/10

Lab Sample ID (PEM): SEQ-PEM7 Time Analyzed :0137

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	15.54	15.48	15.62	173
4,4'-DDE	14.24	14.19	14.32	226
4,4'-DDT	16.14	16.08	16.22	14614
Endrin	15.38	15.33	15.47	11654
Endrin Aldehyde	16.77	16.71	16.86	368
Endrin Ketone	18.29	18.24	18.38	399

4,4'-DDT % breakdown (1): 2.66 Endrin % breakdown (1): 6.18

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): PIBLKKZ Date Analyzed :06/06/10

Lab Sample ID (PIBLK): SEQ-CCB7 Time Analyzed :0039

EPA Sample No.(PEM): PEMKZ Date Analyzed :06/06/10

Lab Sample ID (PEM): SEQ-PEM7 Time Analyzed :0137

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	15.74	15.67	15.81	134
4,4'-DDE	14.50	14.43	14.57	163
4,4'-DDT	16.40	16.33	16.47	12628
Endrin	15.47	15.40	15.54	9865
Endrin Aldehyde	16.65	16.59	16.73	217
Endrin Ketone	18.37	18.30	18.44	301

4,4'-DDT % breakdown (1): 2.30 Endrin % breakdown (1): 4.99

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): PIBLKLA Date Analyzed :06/06/10

Lab Sample ID (PIBLK): SEQ-CCB8 Time Analyzed :0724

EPA Sample No.(PEM): PEMLB Date Analyzed :06/06/10

Lab Sample ID (PEM): SEQ-PEM8 Time Analyzed :0822

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	15.54	15.48	15.62	190
4,4'-DDE	14.24	14.19	14.32	229
4,4'-DDT	16.14	16.08	16.22	14557
Endrin	15.38	15.33	15.47	11793
Endrin Aldehyde	16.77	16.71	16.86	345
Endrin Ketone	18.30	18.24	18.38	360

4,4'-DDT % breakdown (1): 2.80 Endrin % breakdown (1): 5.64

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): PIBLKLB Date Analyzed :06/06/10

Lab Sample ID (PIBLK): SEQ-CCB8 Time Analyzed :0724

EPA Sample No.(PEM): PEMLB Date Analyzed :06/06/10

Lab Sample ID (PEM): SEQ-PEM8 Time Analyzed :0822

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	15.74	15.67	15.81	139
4,4'-DDE	14.50	14.43	14.57	173
4,4'-DDT	16.40	16.33	16.47	12563
Endrin	15.47	15.40	15.54	9998
Endrin Aldehyde	16.66	16.59	16.73	228
Endrin Ketone	18.37	18.30	18.44	294

4,4'-DDT % breakdown (1): 2.42 Endrin % breakdown (1): 4.96

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): PIBLKLC Date Analyzed :06/06/10

Lab Sample ID (PIBLK): SEQ-CCB9 Time Analyzed :1115

EPA Sample No.(PEM): PEMLD Date Analyzed :06/06/10

Lab Sample ID (PEM): SEQ-PEM9 Time Analyzed :1213

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	15.54	15.48	15.62	731
4,4'-DDE	14.24	14.19	14.32	1014
4,4'-DDT	16.14	16.08	16.22	15100
Endrin	15.38	15.33	15.47	12151
Endrin Aldehyde	16.77	16.71	16.86	758
Endrin Ketone	18.29	18.24	18.38	1000

4,4'-DDT % breakdown (1): 10.4 Endrin % breakdown (1): 12.6

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

EPA Sample No.(PIBLK): PIBLKLD Date Analyzed :06/06/10

Lab Sample ID (PIBLK): SEQ-CCB9 Time Analyzed :1115

EPA Sample No.(PEM): PEMLD Date Analyzed :06/06/10

Lab Sample ID (PEM): SEQ-PEM9 Time Analyzed :1213

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	AREA
4,4'-DDD	15.74	15.67	15.81	516
4,4'-DDE	14.50	14.43	14.57	773
4,4'-DDT	16.40	16.33	16.47	13025
Endrin	15.47	15.40	15.54	10394
Endrin Aldehyde	16.65	16.59	16.73	596
Endrin Ketone	18.37	18.30	18.44	824

4,4'-DDT % breakdown (1): 9.00 Endrin % breakdown (1): 12.0

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM VII PEST-1

c. Analytical Sequence (Form VIII)

For all GC columns, all instruments, in chronological order by GC column and instrument

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

Instrument ID: TRACEGC84

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION DCB:20.70 TCX:8.08
SURROGATE RT FROM CONTINUING CALIBRATION DCB:20.40 TCX?7.83

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01	PEMHA	0E27012-PEM1	05/28/10	1749	20.70	8.08
02	INDC1HA	0E27012-CAL1	05/28/10	1818	20.70	8.09
03	INDC2HA	0E27012-CAL2	05/28/10	1847	20.70	8.08
04	INDC3HA	0E27012-CAL3	05/28/10	1916	20.70	8.09
05	INDC4HA	0E27012-CAL4	05/28/10	1945	20.70	8.08
06	INDC5HA	0E27012-CAL5	05/28/10	2014	20.70	8.08
07	TOXAPH3HA	0E27012-ARC1	05/28/10	2043	20.71	8.08
08	CHLORO3HA	0E27012-ARC2	05/28/10	2111	20.71	8.08
09	PIBLKKW	SEQ-CCB6	06/05/10	1754	20.40	7.83
10	INDC3KX	SEQ-CCV6	06/05/10	1823	20.40	7.83
11	PEMKX	SEQ-PEM6	06/05/10	1852	20.40	7.83
12	PBLKDC	0052703-BLK1	06/05/10	1950	20.40	7.83
13	PDCLCS	0052703-BS1	06/05/10	2019	20.40	7.83
14	PDCLCSD	0052703-BSD1	06/05/10	2048	20.40	7.84
15	BBG-GW10	1005187-01	06/05/10	2116	20.39	7.83
16	FB-052510	1005187-02	06/05/10	2145	20.40	7.83
17	BBG-GW01	1005187-03	06/05/10	2214	20.39	7.83
18	EB1-052510	1005187-04	06/05/10	2243	20.40	7.83
19	BBG-GW03	1005187-05	06/05/10	2312	20.40	7.83
20	EB2-052510	1005187-06	06/05/10	2341	20.39	7.83
21	PIBLKKY	SEQ-CCB7	06/06/10	0039	20.40	7.83
22	INDC3KZ	SEQ-CCV7	06/06/10	0108	20.40	7.83
23	PEMKZ	SEQ-PEM7	06/06/10	0137	20.39	7.83
24	PBLKDN	0052803-BLK1	06/06/10	0206	20.40	7.83
25	PDNLCS	0052803-BS1	06/06/10	0234	20.40	7.83
26	BBG-GW02MS	0052803-MS1	06/06/10	0303	20.39	7.83
27	BBG-GW02MSD	0052803-MSD1	06/06/10	0332	20.40	7.83
28	BBG-GW09	1005187-07	06/06/10	0401	20.40	7.83
29	BBG-GW09D	1005187-08	06/06/10	0430	20.39	7.83
30	BBG-GW08	1005187-09	06/06/10	0459	20.40	7.83
31	BBG-GW07	1005187-10	06/06/10	0528	20.40	7.83
32	EB1-052710	1005187-11	06/06/10	0557	20.39	7.83

QC LIMITS

DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

GC Column: CLPEST ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

Instrument ID: TRACEGC84

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION DCB:20.70 TCX:8.08
SURROGATE RT FROM CONTINUING CALIBRATION DCB:20.40 TCX:7.83

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01	BBG-GW04	1005187-12	06/06/10	0626	20.39	7.83
02	PIBLKLA	SEQ-CCB8	06/06/10	0724	20.39	7.83
03	INDC3LB	SEQ-CCV8	06/06/10	0753	20.40	7.84
04	PEMLB	SEQ-PEM8	06/06/10	0822	20.39	7.83
05	BBG-GW03UCH	1005187-13	06/06/10	0851	20.39	7.83
06	BBG-GW02	1005187-14	06/06/10	0919	20.39	7.83
07	EB2-052710	1005187-15	06/06/10	0948	20.39	7.83
08	EB3-052710	1005187-16	06/06/10	1017	20.40	7.83
09	PIBLKLC	SEQ-CCB9	06/06/10	1115	20.40	7.83
10	INDC3LD	SEQ-CCV9	06/06/10	1144	20.39	7.83
11	PEMLD	SEQ-PEM9	06/06/10	1213	20.39	7.83
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13						
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18						
19						
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21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

QC LIMITS

DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

Instrument ID: TRACEGC84

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION DCB:21.25 TCX:7.89
SURROGATE RT FROM CONTINUING CALIBRATION DCB:20.97 TCX:7.67

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01	PEMHA	0E27012-PEM1	05/28/10	1749	21.25	7.89
02	INDC1HA	0E27012-CAL1	05/28/10	1818	21.25	7.89
03	INDC2HA	0E27012-CAL2	05/28/10	1847	21.25	7.89
04	INDC3HA	0E27012-CAL3	05/28/10	1916	21.25	7.89
05	INDC4HA	0E27012-CAL4	05/28/10	1945	21.25	7.89
06	INDC5HA	0E27012-CAL5	05/28/10	2014	21.25	7.89
07	TOXAPH3HA	0E27012-ARC1	05/28/10	2043	21.25	7.89
08	CHLORO3HA	0E27012-ARC2	05/28/10	2111	21.25	7.90
09	PIBLKKX	SEQ-CCB6	06/05/10	1754	20.97	7.67
10	INDC3KX	SEQ-CCV6	06/05/10	1823	20.97	7.67
11	PEMKX	SEQ-PEM6	06/05/10	1852	20.97	7.67
12	PBLKDC	0052703-BLK1	06/05/10	1950	20.97	7.67
13	PDCLCS	0052703-BS1	06/05/10	2019	20.97	7.67
14	PDCLCSD	0052703-BSD1	06/05/10	2048	20.97	7.67
15	BBG-GW10	1005187-01	06/05/10	2116	20.97	7.67
16	FB-052510	1005187-02	06/05/10	2145	20.97	7.67
17	BBG-GW01	1005187-03	06/05/10	2214	20.96	7.67
18	EB1-052510	1005187-04	06/05/10	2243	20.97	7.67
19	BBG-GW03	1005187-05	06/05/10	2312	20.97	7.67
20	EB2-052510	1005187-06	06/05/10	2341	20.97	7.67
21	PIBLKKZ	SEQ-CCB7	06/06/10	0039	20.97	7.67
22	INDC3KZ	SEQ-CCV7	06/06/10	0108	20.97	7.67
23	PEMKZ	SEQ-PEM7	06/06/10	0137	20.97	7.67
24	PBLKDN	0052803-BLK1	06/06/10	0206	20.97	7.67
25	PDNLCS	0052803-BS1	06/06/10	0234	20.97	7.67
26	BBG-GW02MS	0052803-MS1	06/06/10	0303	20.96	7.67
27	BBG-GW02MSD	0052803-MSD1	06/06/10	0332	20.97	7.67
28	BBG-GW09	1005187-07	06/06/10	0401	20.97	7.67
29	BBG-GW09D	1005187-08	06/06/10	0430	20.97	7.67
30	BBG-GW08	1005187-09	06/06/10	0459	20.97	7.67
31	BBG-GW07	1005187-10	06/06/10	0528	20.97	7.67
32	EB1-052710	1005187-11	06/06/10	0557	20.96	7.66

QC LIMITS

DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

GC Column: CLPEST2 ID: 0.32 (mm) Init. Calib. Date(s): 05/28/10 05/29/10

Instrument ID: TRACEGC84

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION DCB:21.25 TCX:7.89
SURROGATE RT FROM CONTINUING CALIBRATION DCB:20.97 TCX:7.67

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01	BBG-GW04	1005187-12	06/06/10	0626	20.97	7.67
02	PIBLKLB	SEQ-CCB8	06/06/10	0724	20.97	7.67
03	INDC3LB	SEQ-CCV8	06/06/10	0753	20.97	7.67
04	PEMLB	SEQ-PEM8	06/06/10	0822	20.97	7.67
05	BBG-GW03UCH	1005187-13	06/06/10	0851	20.97	7.67
06	BBG-GW02	1005187-14	06/06/10	0919	20.97	7.67
07	EB2-052710	1005187-15	06/06/10	0948	20.97	7.67
08	EB3-052710	1005187-16	06/06/10	1017	20.97	7.67
09	PIBLKLD	SEQ-CCB9	06/06/10	1115	20.97	7.67
10	INDC3LD	SEQ-CCV9	06/06/10	1144	20.97	7.67
11	PEMLD	SEQ-PEM9	06/06/10	1213	20.97	7.67
12						
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26						
27						
28						
29						
30						
31						
32						

QC LIMITS

DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)
TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

d. Identification Summary for Single Component Analytes (Form X)

For all samples with positively identified single component analytes, in order by increasing Client Sample ID number.

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

BBG-GW01

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab Sample ID: 1005187-03 Date(s) Analyzed: 06/05/10 06/05/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
4,4'-DDT	1	16.13	16.08	16.22	0.016	
	2	16.39	16.33	16.47	0.0054	99.1
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

BBG-GW02MS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab Sample ID: 0052803-MS1 Date(s) Analyzed: 06/06/10 06/06/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Aldrin	1	12.06	12.01	12.15	0.095	
	2	12.03	11.97	12.11	0.088	7.6
beta-BHC	1	10.40	10.34	10.48	0.13	
	2	10.47	10.40	10.54	0.15	14.3
alpha-BHC	1	9.34	9.29	9.43	0.16	
	2	9.32	9.26	9.40	0.16	0.0
delta-BHC	1	10.83	10.77	10.91	0.17	
	2	11.17	11.11	11.24	0.17	0.0
gamma-BHC (Lindane)	1	10.16	10.11	10.25	0.14	
	2	10.22	10.16	10.30	0.15	6.9
4,4'-DDD	1	15.54	15.48	15.62	0.38	
	2	15.74	15.67	15.81	0.42	10.0
4,4'-DDE	1	14.24	14.19	14.32	0.36	
	2	14.49	14.43	14.57	0.38	5.4
4,4'-DDT	1	16.14	16.08	16.22	0.34	
	2	16.40	16.33	16.47	0.31	9.2

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

BBG-GW02MS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab Sample ID: 0052803-MS1 Date(s) Analyzed: 06/06/10 06/06/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	14.88	14.82	14.96	0.39	
	2	14.81	14.75	14.89	0.41	5.0
Endosulfan I	1	14.35	14.29	14.44	0.14	
	2	14.21	14.15	14.29	0.14	0.0
Endosulfan II	1	15.87	15.81	15.95	0.39	
	2	15.93	15.86	16.00	0.38	2.6
Endosulfan sulfate	1	17.70	17.64	17.79	0.35	
	2	17.24	17.17	17.31	0.36	2.8
Endrin	1	15.38	15.33	15.47	0.38	
	2	15.47	15.40	15.54	0.39	2.6
Endrin Aldehyde	1	16.77	16.71	16.86	0.24	
	2	16.65	16.59	16.73	0.20	18.2
Heptachlor	1	11.35	11.29	11.44	0.12	
	2	11.28	11.22	11.36	0.12	0.0
Heptachlor Epoxide	1	13.47	13.42	13.56	0.16	
	2	13.35	13.29	13.43	0.17	6.1

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

BBG-GW02MS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab Sample ID: 0052803-MS1 Date(s) Analyzed: 06/06/10 06/06/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Methoxychlor	1	17.16	17.11	17.25	0.41	
	2	17.86	17.79	17.93	0.39	5.0
Endrin Ketone	1	18.30	18.24	18.38	0.39	
	2	18.37	18.30	18.44	0.39	0.0
gamma-Chlordane	1	13.75	13.70	13.84	0.15	
	2	13.77	13.71	13.85	0.15	0.0
alpha-Chlordane	1	14.05	14.00	14.14	0.16	
	2	14.10	14.04	14.18	0.17	6.1
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

BBG-GW02MSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab Sample ID: 0052803-MSD1 Date(s) Analyzed: 06/06/10 06/06/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Aldrin	1	12.06	12.01	12.15	0.089	
	2	12.03	11.97	12.11	0.083	7.0
beta-BHC	1	10.40	10.34	10.48	0.16	
	2	10.47	10.40	10.54	0.15	6.4
alpha-BHC	1	9.34	9.29	9.43	0.17	
	2	9.32	9.26	9.40	0.16	6.1
delta-BHC	1	10.83	10.77	10.91	0.17	
	2	11.17	11.11	11.24	0.17	0.0
gamma-BHC (Lindane)	1	10.16	10.11	10.25	0.15	
	2	10.23	10.16	10.30	0.15	0.0
4,4'-DDD	1	15.54	15.48	15.62	0.38	
	2	15.74	15.67	15.81	0.43	12.3
4,4'-DDE	1	14.24	14.19	14.32	0.37	
	2	14.50	14.43	14.57	0.38	2.7
4,4'-DDT	1	16.14	16.08	16.22	0.35	
	2	16.40	16.33	16.47	0.33	5.9

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

BBG-GW02MSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab Sample ID: 0052803-MSD1 Date(s) Analyzed: 06/06/10 06/06/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	14.88	14.82	14.96	0.39	
	2	14.81	14.75	14.89	0.41	5.0
Endosulfan I	1	14.35	14.29	14.44	0.14	
	2	14.21	14.15	14.29	0.14	0.0
Endosulfan II	1	15.87	15.81	15.95	0.37	
	2	15.93	15.86	16.00	0.38	2.7
Endosulfan sulfate	1	17.70	17.64	17.79	0.35	
	2	17.24	17.17	17.31	0.36	2.8
Endrin	1	15.38	15.33	15.47	0.38	
	2	15.47	15.40	15.54	0.40	5.1
Endrin Aldehyde	1	16.77	16.71	16.86	0.26	
	2	16.65	16.59	16.73	0.24	8.0
Heptachlor	1	11.35	11.29	11.44	0.12	
	2	11.28	11.22	11.36	0.12	0.0
Heptachlor Epoxide	1	13.47	13.42	13.56	0.16	
	2	13.36	13.29	13.43	0.18	11.8

FORM X PEST-1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

BBG-GW02MSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab Sample ID: 0052803-MSD1 Date(s) Analyzed: 06/06/10 06/06/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Methoxychlor	1	17.16	17.11	17.25	0.41	
	2	17.86	17.79	17.93	0.40	2.5
Endrin Ketone	1	18.30	18.24	18.38	0.39	
	2	18.37	18.30	18.44	0.40	2.5
gamma-Chlordane	1	13.75	13.70	13.84	0.15	
	2	13.78	13.71	13.85	0.15	0.0
alpha-Chlordane	1	14.05	14.00	14.14	0.16	
	2	14.10	14.04	14.18	0.17	6.1
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

BBG-GW03UCH

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab Sample ID: 1005187-13 Date(s) Analyzed: 06/06/10 06/06/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
4,4'-DDT	1	16.14	16.08	16.22	0.012	
	2	16.40	16.33	16.47	0.0061	65.2
Dieldrin	1	14.92	14.82	14.96	0.017	
	2	14.77	14.75	14.89	0.0065	89.4
Endosulfan I	1	14.32	14.29	14.44	0.013	
	2	14.27	14.15	14.29	0.033	87.0
alpha-Chlordane	1	14.03	14.00	14.14	0.0078	
	2	14.08	14.04	14.18	0.015	63.2
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

BBG-GW04

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab Sample ID: 1005187-12 Date(s) Analyzed: 06/06/10 06/06/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Endosulfan II	1	15.93	15.81	15.95	0.0075	
	2	15.93	15.86	16.00	0.0077	2.6
Heptachlor Epoxide	1	13.48	13.42	13.56	0.014	
	2	13.40	13.29	13.43	0.0068	69.2
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

BBG-GW07

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab Sample ID: 1005187-10 Date(s) Analyzed: 06/06/10 06/06/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
4,4'-DDT	1	16.13	16.08	16.22	0.018	
	2	16.39	16.33	16.47	0.0055	106.4
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

BBG-GW09

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab Sample ID: 1005187-07 Date(s) Analyzed: 06/06/10 06/06/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
4,4'-DDT	1	16.14	16.08	16.22	0.015	
	2	16.40	16.33	16.47	0.0053	95.6
Dieldrin	1	14.88	14.82	14.96	0.0032	
	2	14.78	14.75	14.89	0.0028	13.3
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

EB1-052510

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab Sample ID: 1005187-04 Date(s) Analyzed: 06/05/10 06/05/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
beta-BHC	1	10.40	10.34	10.48	0.0070	
	2	10.46	10.40	10.54	0.0065	7.4
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

EB1-052710

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab Sample ID: 1005187-11 Date(s) Analyzed: 06/06/10 06/06/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
beta-BHC	1	10.39	10.34	10.48	0.0076	
	2	10.45	10.40	10.54	0.017	76.4
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.
EB2-052710

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab Sample ID: 1005187-15 Date(s) Analyzed: 06/06/10 06/06/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
beta-BHC	1	10.39	10.34	10.48	0.0064	
	2	10.45	10.40	10.54	0.0064	0.0
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.
EB3-052710

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab Sample ID: 1005187-16 Date(s) Analyzed: 06/06/10 06/06/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
beta-BHC	1	10.41	10.34	10.48	0.021	
	2	10.46	10.40	10.54	0.042	66.7
delta-BHC	1	10.83	10.77	10.91	0.023	
	2	11.20	11.11	11.24	0.016	35.9
4,4'-DDT	1	16.13	16.08	16.22	0.064	
	2	16.39	16.33	16.47	0.043	39.2
Heptachlor Epoxide	1	13.46	13.42	13.56	0.028	
	2	13.40	13.29	13.43	0.021	28.6
gamma-Chlordane	1	13.72	13.70	13.84	0.19	
	2	13.76	13.71	13.85	0.0095	181.0
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PDCLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab Sample ID: 0052703-BS1 Date(s) Analyzed: 06/05/10 06/05/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Aldrin	1	12.06	12.01	12.15	0.11	
	2	12.04	11.97	12.11	0.11	0.0
beta-BHC	1	10.40	10.34	10.48	0.14	
	2	10.47	10.40	10.54	0.14	0.0
alpha-BHC	1	9.34	9.29	9.43	0.16	
	2	9.32	9.26	9.40	0.16	0.0
delta-BHC	1	10.83	10.77	10.91	0.17	
	2	11.17	11.11	11.24	0.17	0.0
gamma-BHC (Lindane)	1	10.16	10.11	10.25	0.14	
	2	10.23	10.16	10.30	0.14	0.0
4,4'-DDD	1	15.54	15.48	15.62	0.38	
	2	15.74	15.67	15.81	0.41	7.6
4,4'-DDE	1	14.24	14.19	14.32	0.36	
	2	14.50	14.43	14.57	0.38	5.4
4,4'-DDT	1	16.14	16.08	16.22	0.33	
	2	16.40	16.33	16.47	0.35	5.9

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PDCLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab Sample ID: 0052703-BS1 Date(s) Analyzed: 06/05/10 06/05/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	14.88	14.82	14.96	0.39	
	2	14.81	14.75	14.89	0.41	5.0
Endosulfan I	1	14.35	14.29	14.44	0.15	
	2	14.21	14.15	14.29	0.14	6.9
Endosulfan II	1	15.87	15.81	15.95	0.37	
	2	15.93	15.86	16.00	0.38	2.7
Endosulfan sulfate	1	17.70	17.64	17.79	0.35	
	2	17.24	17.17	17.31	0.36	2.8
Endrin	1	15.38	15.33	15.47	0.36	
	2	15.47	15.40	15.54	0.38	5.4
Endrin Aldehyde	1	16.77	16.71	16.86	0.27	
	2	16.65	16.59	16.73	0.27	0.0
Heptachlor	1	11.35	11.29	11.44	0.15	
	2	11.28	11.22	11.36	0.16	6.4
Heptachlor Epoxide	1	13.47	13.42	13.56	0.16	
	2	13.36	13.29	13.43	0.16	0.0

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PDCLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab Sample ID: 0052703-BS1 Date(s) Analyzed: 06/05/10 06/05/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Methoxychlor	1	17.17	17.11	17.25	0.41	
	2	17.86	17.79	17.93	0.39	5.0
Endrin Ketone	1	18.30	18.24	18.38	0.39	
	2	18.37	18.30	18.44	0.40	2.5
gamma-Chlordane	1	13.76	13.70	13.84	0.15	
	2	13.78	13.71	13.85	0.15	0.0
alpha-Chlordane	1	14.05	14.00	14.14	0.16	
	2	14.10	14.04	14.18	0.17	6.1
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PDCLCSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab Sample ID: 0052703-BSD1 Date(s) Analyzed: 06/05/10 06/05/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Aldrin	1	12.06	12.01	12.15	0.12	
	2	12.03	11.97	12.11	0.12	0.0
beta-BHC	1	10.40	10.34	10.48	0.15	
	2	10.47	10.40	10.54	0.15	0.0
alpha-BHC	1	9.35	9.29	9.43	0.16	
	2	9.32	9.26	9.40	0.16	0.0
delta-BHC	1	10.83	10.77	10.91	0.17	
	2	11.17	11.11	11.24	0.18	5.7
gamma-BHC (Lindane)	1	10.16	10.11	10.25	0.15	
	2	10.23	10.16	10.30	0.15	0.0
4,4'-DDD	1	15.54	15.48	15.62	0.39	
	2	15.74	15.67	15.81	0.42	7.4
4,4'-DDE	1	14.24	14.19	14.32	0.37	
	2	14.50	14.43	14.57	0.39	5.3
4,4'-DDT	1	16.14	16.08	16.22	0.35	
	2	16.40	16.33	16.47	0.36	2.8

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PDCLCSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab Sample ID: 0052703-BSD1 Date(s) Analyzed: 06/05/10 06/05/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	14.88	14.82	14.96	0.40	
	2	14.81	14.75	14.89	0.42	4.9
Endosulfan I	1	14.35	14.29	14.44	0.16	
	2	14.21	14.15	14.29	0.15	6.4
Endosulfan II	1	15.87	15.81	15.95	0.38	
	2	15.93	15.86	16.00	0.39	2.6
Endosulfan sulfate	1	17.70	17.64	17.79	0.36	
	2	17.24	17.17	17.31	0.37	2.7
Endrin	1	15.38	15.33	15.47	0.38	
	2	15.47	15.40	15.54	0.40	5.1
Endrin Aldehyde	1	16.77	16.71	16.86	0.26	
	2	16.65	16.59	16.73	0.27	3.8
Heptachlor	1	11.35	11.29	11.44	0.15	
	2	11.29	11.22	11.36	0.16	6.4
Heptachlor Epoxide	1	13.47	13.42	13.56	0.17	
	2	13.36	13.29	13.43	0.18	5.7

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PDCLCSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab Sample ID: 0052703-BSD1 Date(s) Analyzed: 06/05/10 06/05/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Methoxychlor	1	17.17	17.11	17.25	0.42	
	2	17.86	17.79	17.93	0.40	4.9
Endrin Ketone	1	18.30	18.24	18.38	0.40	
	2	18.37	18.30	18.44	0.41	2.5
gamma-Chlordane	1	13.76	13.70	13.84	0.15	
	2	13.78	13.71	13.85	0.16	6.4
alpha-Chlordane	1	14.05	14.00	14.14	0.17	
	2	14.10	14.04	14.18	0.17	0.0
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PDNLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab Sample ID: 0052803-BS1 Date(s) Analyzed: 06/06/10 06/06/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Aldrin	1	12.06	12.01	12.15	0.12	
	2	12.04	11.97	12.11	0.12	0.0
beta-BHC	1	10.40	10.34	10.48	0.15	
	2	10.47	10.40	10.54	0.15	0.0
alpha-BHC	1	9.34	9.29	9.43	0.16	
	2	9.32	9.26	9.40	0.16	0.0
delta-BHC	1	10.83	10.77	10.91	0.17	
	2	11.17	11.11	11.24	0.17	0.0
gamma-BHC (Lindane)	1	10.16	10.11	10.25	0.15	
	2	10.23	10.16	10.30	0.15	0.0
4,4'-DDD	1	15.54	15.48	15.62	0.38	
	2	15.74	15.67	15.81	0.40	5.1
4,4'-DDE	1	14.24	14.19	14.32	0.37	
	2	14.50	14.43	14.57	0.39	5.3
4,4'-DDT	1	16.14	16.08	16.22	0.35	
	2	16.40	16.33	16.47	0.36	2.8

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PDNLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab Sample ID: 0052803-BS1 Date(s) Analyzed: 06/06/10 06/06/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	14.88	14.82	14.96	0.40	
	2	14.81	14.75	14.89	0.41	2.5
Endosulfan I	1	14.35	14.29	14.44	0.15	
	2	14.21	14.15	14.29	0.14	6.9
Endosulfan II	1	15.87	15.81	15.95	0.37	
	2	15.93	15.86	16.00	0.38	2.7
Endosulfan sulfate	1	17.70	17.64	17.79	0.35	
	2	17.24	17.17	17.31	0.36	2.8
Endrin	1	15.38	15.33	15.47	0.37	
	2	15.47	15.40	15.54	0.38	2.7
Endrin Aldehyde	1	16.77	16.71	16.86	0.24	
	2	16.65	16.59	16.73	0.24	0.0
Heptachlor	1	11.35	11.29	11.44	0.14	
	2	11.28	11.22	11.36	0.15	6.9
Heptachlor Epoxide	1	13.47	13.42	13.56	0.17	
	2	13.35	13.29	13.43	0.17	0.0

FORM X PEST-1

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

PDNLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab Sample ID: 0052803-BS1 Date(s) Analyzed: 06/06/10 06/06/10

Instrument ID (1): TRACEGC84 Instrument ID (2): TRACEGC84

GC Column(1): CLPEST ID: 0.32(mm) GC Column(2): CLPEST2 ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Methoxychlor	1	17.16	17.11	17.25	0.41	
	2	17.86	17.79	17.93	0.39	5.0
Endrin Ketone	1	18.30	18.24	18.38	0.39	
	2	18.37	18.30	18.44	0.40	2.5
gamma-Chlordane	1	13.75	13.70	13.84	0.15	
	2	13.78	13.71	13.85	0.15	0.0
alpha-Chlordane	1	14.05	14.00	14.14	0.16	
	2	14.10	14.04	14.18	0.17	6.1
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1

e. Identification Summary for Multicomponent Analytes (Form X) – if applicable

For all samples with positively identified multicomponent analytes, in order by increasing Client Sample ID number.

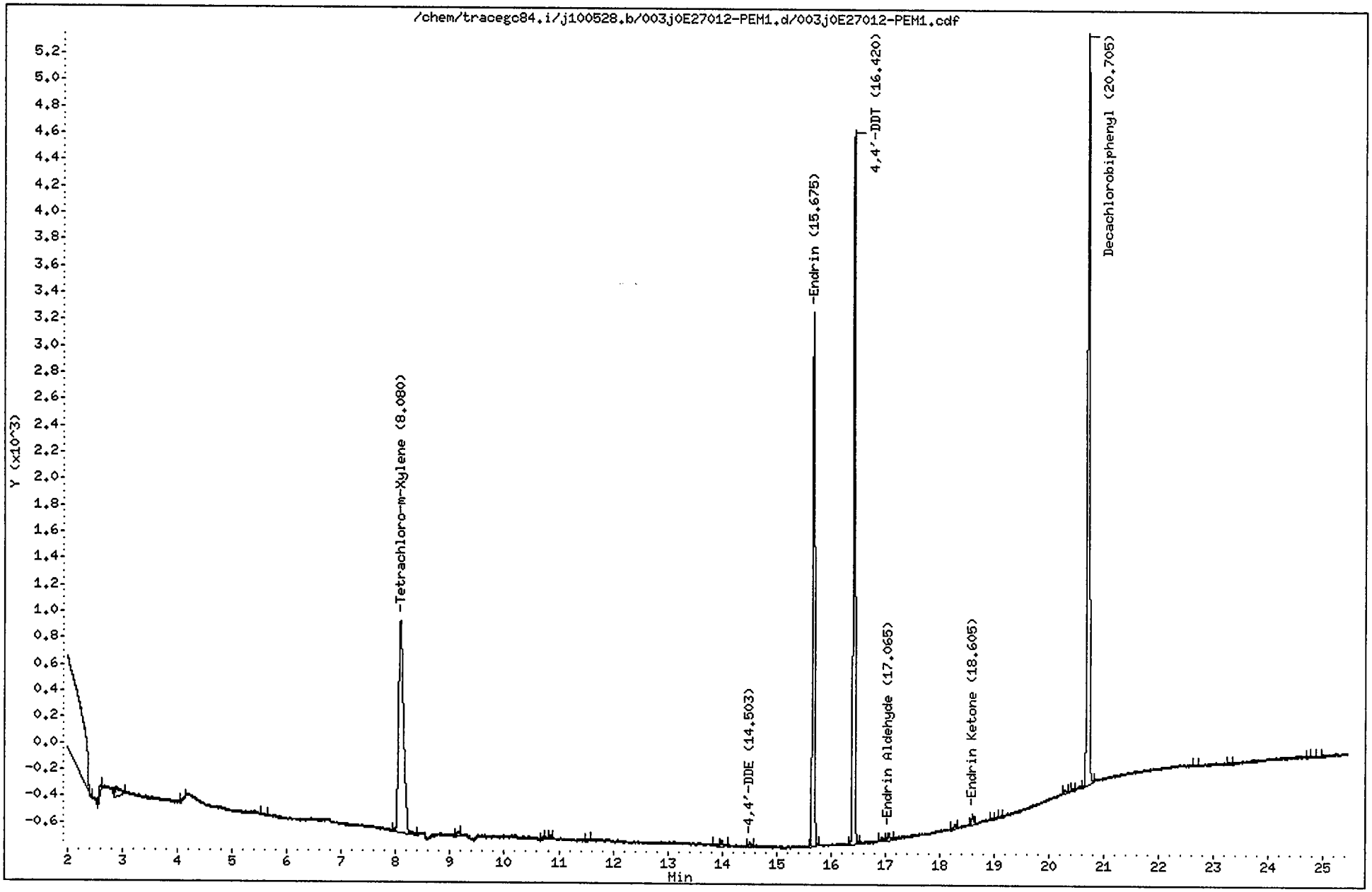
f. Chromatograms and Data System Printouts

For all methods, standards packages shall include
The following:

- Performance evaluation mixtures (8081 only)
- Initial Calibration Standards
- Second Source Initial Calibration Verifications (if required by client)
- Continuing Calibration Verification Standards
- The quantitation report must include the Client Sample ID number.
- The chromatograms shall include the following: Client Sample ID number for the standard, labeled standard peaks, volume injected, for each standard, date and time of injection, GC column identifier, and GC Instrument identifier

Data File: /chem/tracegc84.i/j100528.b/003j0E27012-PEM1.d
Date : 28-MAY-2010 17:49
Client ID: PEMHA
Sample Info: 0E27012-PEM1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i
Operator: System
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-PEM1 Client Smp Id : PEMHA
Sample Type : SAMPLE Sublist : PEM
Inj Date : 28-MAY-2010 17:49 Inst ID : TRACEGC84
Operator : System
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : PEMHA

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
0.11			65								
0.33			59								
1.05			137								
1.31			67								
1.36			100								
1.55			63736								
2.60			274								
2.90			403								
4.13			50								
5.53			93								
8.08	8.01	8.15	10252	522758	Tetrachloro-m-Xylene	0.019611	0.019611		99.0	43 - 135	
9.13			89								
10.70			75								
10.85			89								
11.50			43								
13.86			56								
13.99			161								
14.50	14.45	14.59	135	523741	4,4'-DDE	0.000257	0.000257	0.020000			J
15.68	15.61	15.75	10368	463071	Endrin	0.022390	0.022390	0.020000			
16.42	16.35	16.49	13272	454781	4,4'-DDT	0.029183	0.029183	0.020000			
16.94			119								
17.06	17.00	17.14	184	348470	Endrin Aldehyde	0.000528	0.000528	0.020000			J
18.28			112								
18.60	18.53	18.67	230	457258	Endrin Ketone	0.000504	0.000504	0.020000			J
18.97			61								
19.13			49								
20.30			63								
20.46			58								
20.70	20.63	20.77	15710	408350	Decachlorobiphenyl	0.038473	0.038473		97.2	43 - 144	
22.67			44								
23.25			56								
24.69			43								
24.89			42								

AHW
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Data File: /chem/tracegc84.i/j100528.b/004j0E27012-CAL1.d

Date : 28-MAY-2010 18:18

Client ID: INDC1HA

Instrument: tracegc84.i

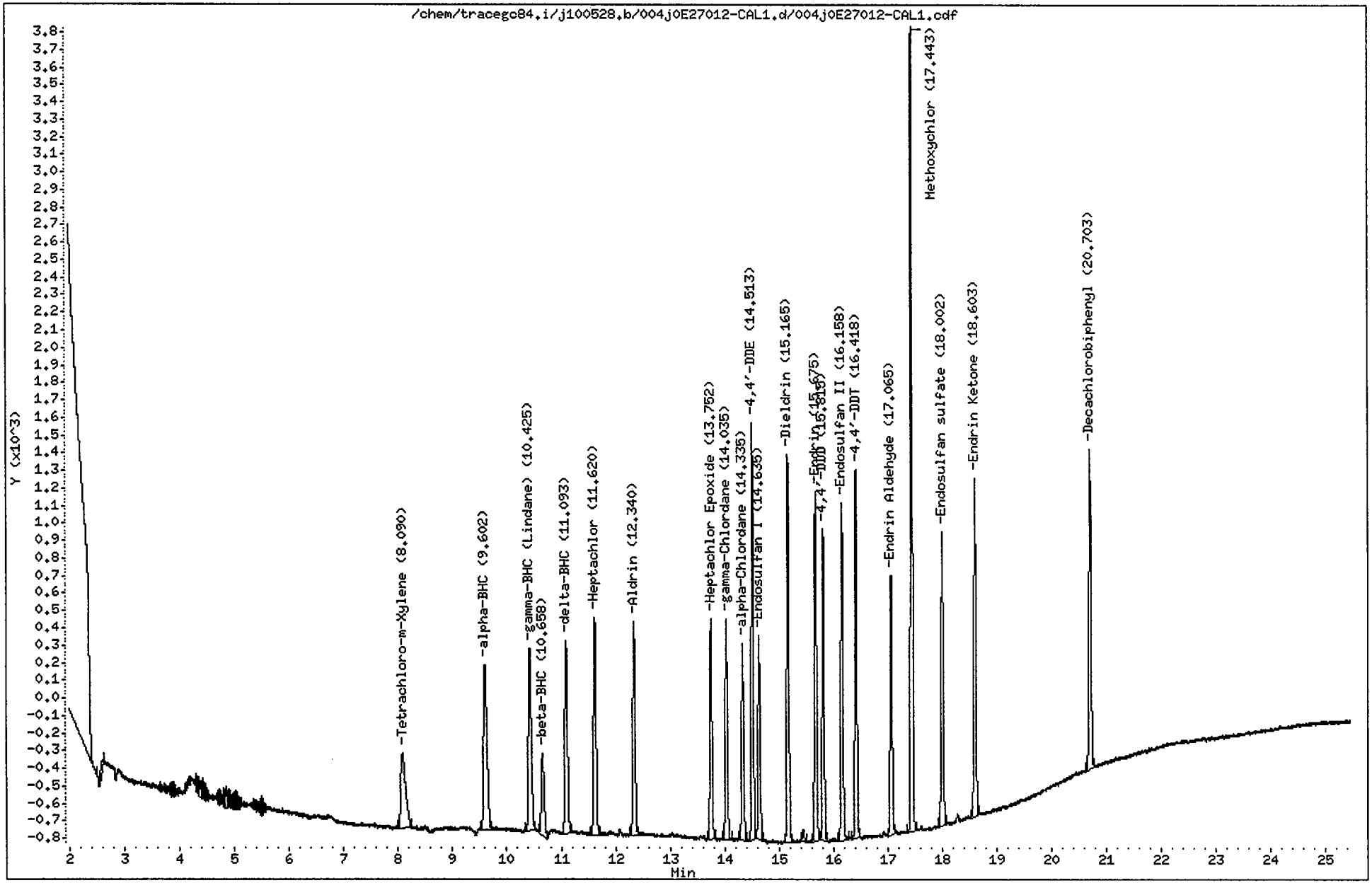
Sample Info: 0E27012-CAL1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL1 Client Smp Id : INDC1HA
Sample Type : INITIAL CAL: Level 1 Sublist : INDA
Inj Date : 28-MAY-2010 18:18 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : INDC1HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.57			247819					
2.59			171					
4.35			169					
4.84			233					
4.99			134					
8.09	8.01	8.15	2689	522758	Tetrachloro-m-Xylene	0.005000	537800	
9.60	9.53	9.67	3994	775960	alpha-BHC	0.005000	798600	
10.42	10.36	10.50	3775	729192	gamma-BHC (Lindane)	0.005000	754800	
10.66	10.59	10.73	1672	300532	beta-BHC	0.005000	334400	
11.09	11.02	11.16	3527	689518	delta-BHC	0.005000	705200	
11.62	11.55	11.69	3800	695465	Heptachlor	0.005000	759800	
12.34	12.27	12.41	3446	636570	Aldrin	0.005000	689000	
13.75	13.68	13.82	3254	593700	Heptachlor Epoxide	0.005000	650600	
14.04	13.97	14.11	3261	594875	gamma-Chlordane	0.005000	652000	
14.34	14.27	14.41	2846	516712	alpha-Chlordane	0.005000	569000	
14.51	14.45	14.59	5739	523741	4,4'-DDE	0.010000	573800	
14.64	14.57	14.71	2972	548162	Endosulfan I	0.005000	594200	
15.16	15.10	15.24	5623	515556	Dieldrin	0.010000	562300	
15.44			156					
15.68	15.61	15.75	5113	463071	Endrin	0.010000	511200	
15.82	15.74	15.88	4223	393458	4,4'-DDD	0.010000	422300	
16.16	16.09	16.23	4967	450326	Endosulfan II	0.010000	496600	
16.42	16.35	16.49	5039	454781	4,4'-DDT	0.010000	503900	
17.06	17.00	17.14	3776	348470	Endrin Aldehyde	0.010000	377500	
17.44	17.37	17.51	11132	194359	Methoxychlor	0.050000	222640	
18.00	17.93	18.07	4327	392055	Endosulfan sulfate	0.010000	432700	
18.60	18.53	18.67	4972	457258	Endrin Ketone	0.010000	497200	
20.70	20.63	20.77	4821	408350	Decachlorobiphenyl	0.010000	482100	

AHW
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Data File: /chem/tracegc84.i/j100528.b/005j0E27012-CAL2.d

Date : 28-MAY-2010 18:47

Client ID: INDC2HA

Sample Info: 0E27012-CAL2

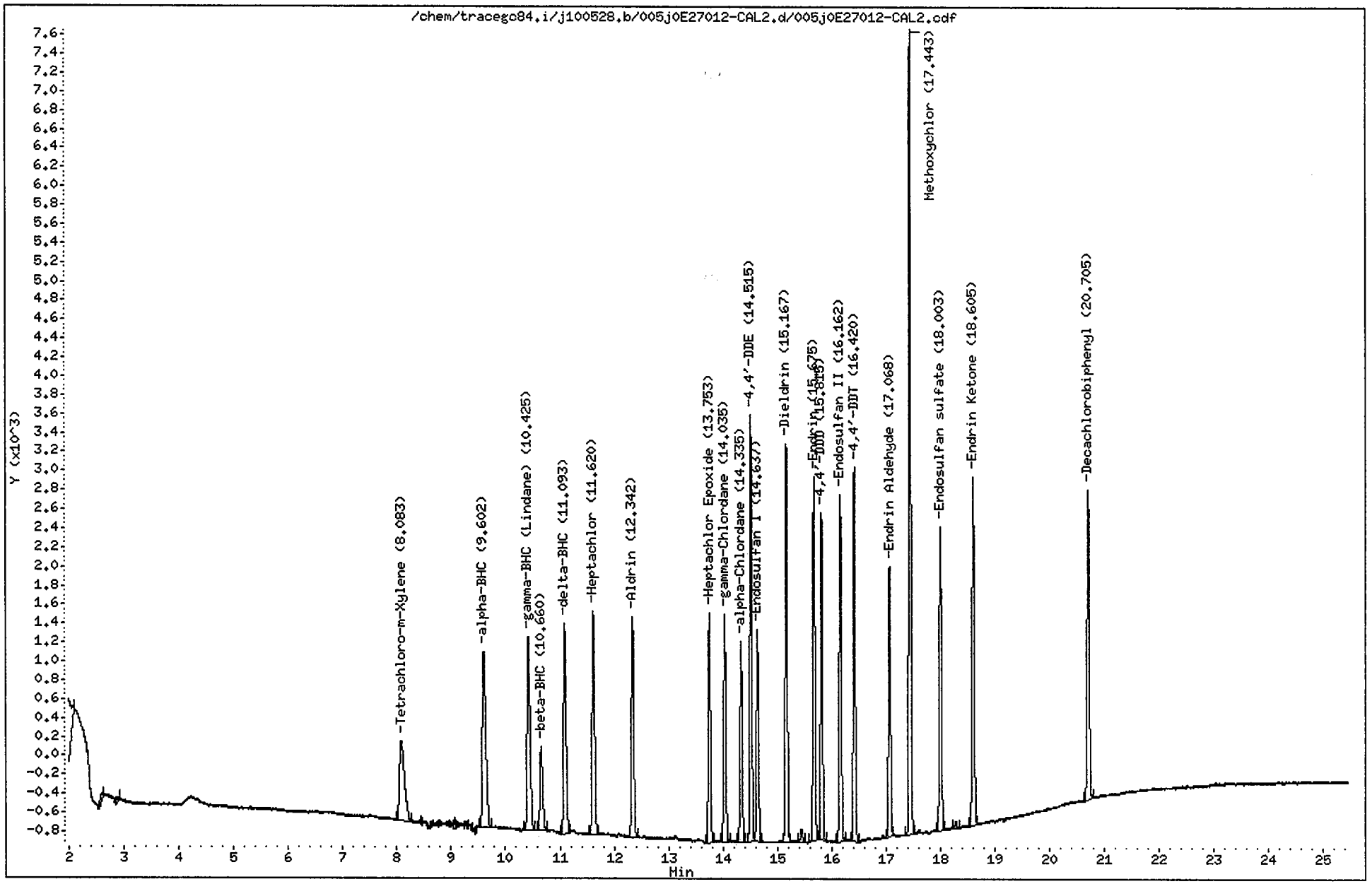
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL2 Client Smp Id : INDC2HA
Sample Type : INITIAL CAL: Level 2 Sublist : INDA
Inj Date : 28-MAY-2010 18:47 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : INDC2HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
0.81			199					
0.93			168					
1.03			181					
1.44			179					
1.55			31882					
2.60			253					
2.87			126					
8.08	8.01	8.15	5457	522758	Tetrachloro-m-Xylene	0.010000	545600	
9.06			157					
9.60	9.53	9.67	7926	775960	alpha-BHC	0.010000	792600	
10.42	10.36	10.50	7455	729192	gamma-BHC (Lindane)	0.010000	745400	
10.66	10.59	10.73	2974	300532	beta-BHC	0.010000	297400	
11.09	11.02	11.16	7074	689518	delta-BHC	0.010000	707400	
11.62	11.55	11.69	7311	695465	Heptachlor	0.010000	731000	
12.34	12.27	12.41	6679	636570	Aldrin	0.010000	667800	
13.75	13.68	13.82	6330	593700	Heptachlor Epoxide	0.010000	633000	
14.04	13.97	14.11	6341	594875	gamma-Chlordane	0.010000	634000	
14.34	14.27	14.41	5427	516712	alpha-Chlordane	0.010000	542600	
14.52	14.45	14.59	10936	523741	4,4'-DDE	0.020000	546750	
14.64	14.57	14.71	5709	548162	Endosulfan I	0.010000	570900	
15.17	15.10	15.24	10763	515556	Dieldrin	0.020000	538100	
15.45			319					
15.68	15.61	15.75	9723	463071	Endrin	0.020000	486100	
15.82	15.74	15.88	8211	393458	4,4'-DDD	0.020000	410500	
16.16	16.09	16.23	9399	450326	Endosulfan II	0.020000	469900	
16.42	16.35	16.49	9582	454781	4,4'-DDT	0.020000	479100	
17.07	17.00	17.14	7281	348470	Endrin Aldehyde	0.020000	364050	
17.44	17.37	17.51	20823	194359	Methoxychlor	0.100000	208230	
18.00	17.93	18.07	8331	392055	Endosulfan sulfate	0.020000	416550	
18.29			176					
18.60	18.53	18.67	9658	457258	Endrin Ketone	0.020000	482900	
20.70	20.63	20.77	8934	408350	Decachlorobiphenyl	0.020000	446650	

AHW
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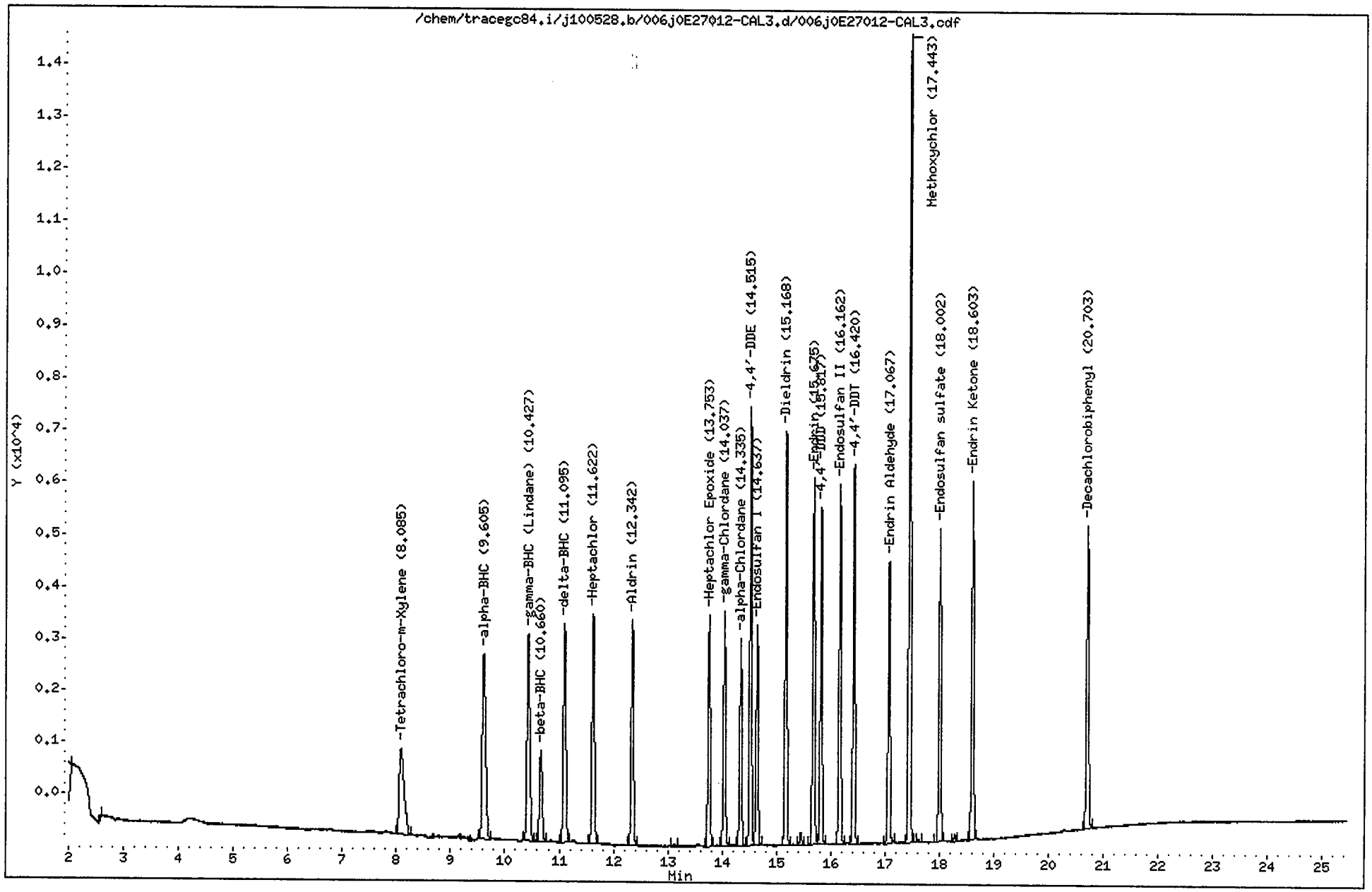
Data File: /chem/tracegc84.i/j100528.b/006j0E27012-CAL3.d
Date : 28-MAY-2010 19:16
Client ID: INDC3HA
Sample Info: 0E27012-CAL3
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL3 Client Smp Id : INDC3HA
Sample Type : INITIAL CAL: Level 3 Sublist : INDA
Inj Date : 28-MAY-2010 19:16 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : INDC3HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.56			33990					
2.59			125					
8.08	8.01	8.15	10365	522758	Tetrachloro-m-Xylene	0.020000	518200	
9.60	9.53	9.67	15388	775960	alpha-BHC	0.020000	769400	
10.43	10.36	10.50	14446	729192	gamma-BHC (Lindane)	0.020000	722300	
10.66	10.59	10.73	5933	300532	beta-BHC	0.020000	296600	
11.10	11.02	11.16	13673	689518	delta-BHC	0.020000	683650	
11.62	11.55	11.69	13777	695465	Heptachlor	0.020000	688850	
12.34	12.27	12.41	12658	636570	Aldrin	0.020000	632900	
13.12			154					
13.75	13.68	13.82	11837	593700	Heptachlor Epoxide	0.020000	591800	
14.04	13.97	14.11	11766	594875	gamma-Chlordane	0.020000	588300	
14.34	14.27	14.41	10311	516712	alpha-Chlordane	0.020000	515550	
14.52	14.45	14.59	20700	523741	4,4'-DDE	0.040000	517475	
14.64	14.57	14.71	11116	548162	Endosulfan I	0.020000	555750	
15.17	15.10	15.24	20326	515556	Dieldrin	0.040000	508150	
15.45			603					
15.68	15.61	15.75	18450	463071	Endrin	0.040000	461225	
15.82	15.74	15.88	15762	393458	4,4'-DDD	0.040000	394025	
16.16	16.09	16.23	17852	450326	Endosulfan II	0.040000	446300	
16.42	16.35	16.49	17876	454781	4,4'-DDT	0.040000	446900	
17.07	17.00	17.14	14218	348470	Endrin Aldehyde	0.040000	355425	
17.44	17.37	17.51	38110	194359	Methoxychlor	0.200000	190545	
17.62			164					
18.00	17.93	18.07	15567	392055	Endosulfan sulfate	0.040000	389175	
18.29			330					
18.60	18.53	18.67	18130	457258	Endrin Ketone	0.040000	453250	
20.70	20.63	20.77	16121	408350	Decachlorobiphenyl	0.040000	403000	

AHW
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Data File: /chem/tracegc84.i/j100528.b/007j0E27012-CAL4.d

Date : 28-MAY-2010 19:45

Client ID: INDC4HA

Instrument: tracegc84.i

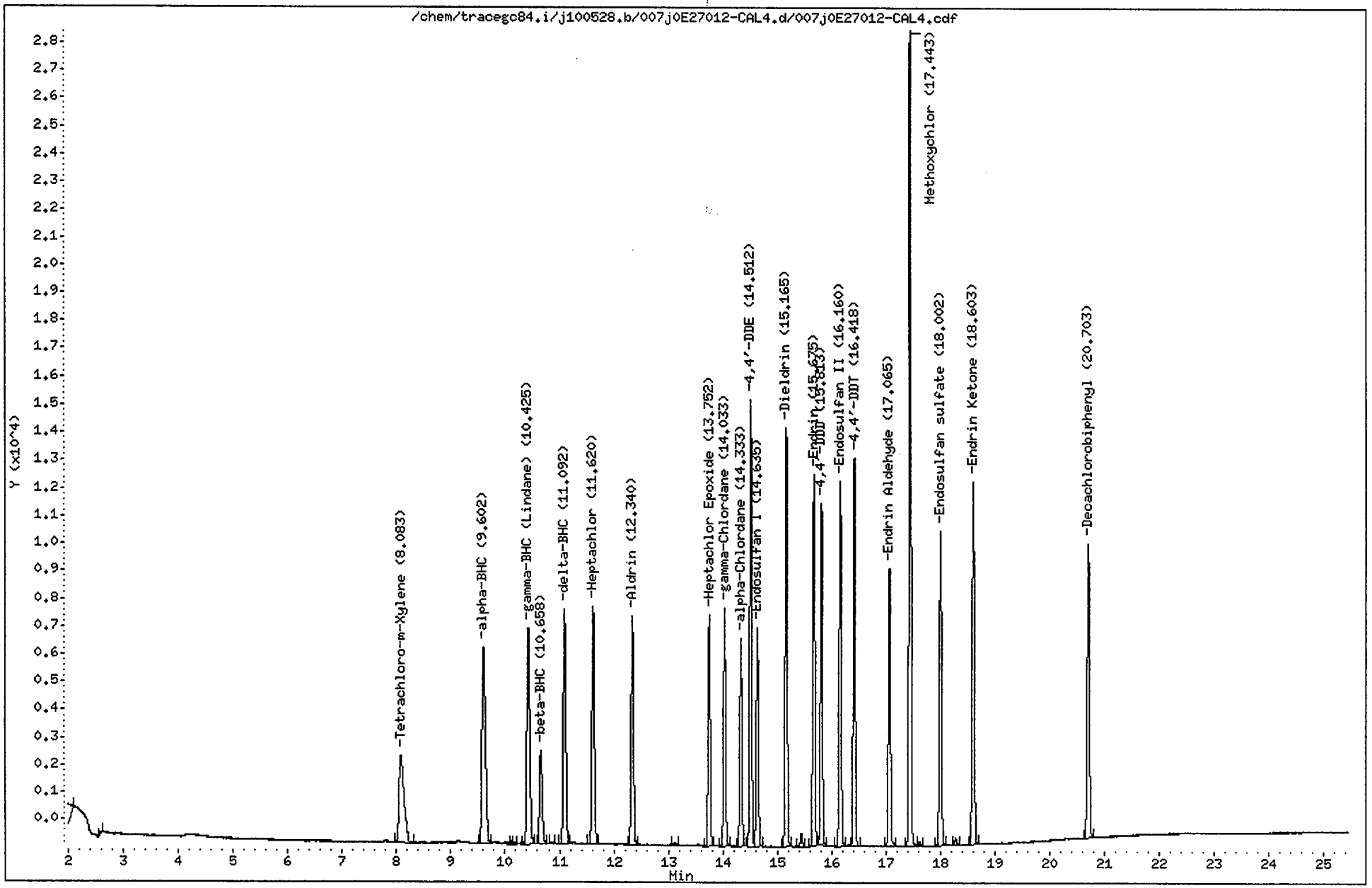
Sample Info: 0E27012-CAL4

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL4 Client Smp Id : INDC4HA
Sample Type : INITIAL CAL: Level 4 Sublist : INDA
Inj Date : 28-MAY-2010 19:45 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : INDC4HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.55			32197					
2.61			220					
8.08	8.01	8.15	20531	522758	Tetrachloro-m-Xylene	0.040000	513275	
9.60	9.53	9.67	30485	775960	alpha-BHC	0.040000	762100	
10.11			174					
10.15			201					
10.34			121					
10.42	10.36	10.50	28750	729192	gamma-BHC (Lindane)	0.040000	718750	
10.66	10.59	10.73	11645	300532	beta-BHC	0.040000	291100	
10.85			124					
11.09	11.02	11.16	27123	689518	delta-BHC	0.040000	678075	
11.62	11.55	11.69	26443	695465	Heptachlor	0.040000	661075	
12.34	12.27	12.41	24318	636570	Aldrin	0.040000	607950	
13.12			296					
13.75	13.68	13.82	22398	593700	Heptachlor Epoxide	0.040000	559950	
14.03	13.97	14.11	22447	594875	gamma-Chlordane	0.040000	561150	
14.33	14.27	14.41	19587	516712	alpha-Chlordane	0.040000	489675	
14.51	14.45	14.59	39739	523741	4,4'-DDE	0.080000	496737	
14.64	14.57	14.71	20858	548162	Endosulfan I	0.040000	521425	
15.16	15.10	15.24	39182	515556	Dieldrin	0.080000	489763	
15.45			1192					
15.68	15.61	15.75	34803	463071	Endrin	0.080000	435025	
15.81	15.74	15.88	29940	393458	4,4'-DDD	0.080000	374237	
16.16	16.09	16.23	34119	450326	Endosulfan II	0.080000	426475	
16.32			140					
16.42	16.35	16.49	34226	454781	4,4'-DDT	0.080000	427813	
17.06	17.00	17.14	26427	348470	Endrin Aldehyde	0.080000	330325	
17.44	17.37	17.51	71762	194359	Methoxychlor	0.400000	179403	
17.62			370					
18.00	17.93	18.07	29487	392055	Endosulfan sulfate	0.080000	368575	
18.28			669					
18.60	18.53	18.67	34688	457258	Endrin Ketone	0.080000	433600	
20.70	20.63	20.77	29546	408350	Decachlorobiphenyl	0.080000	369313	

AHW
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Data File: /chem/tracegc84.i/j100528.b/008j0E27012-CAL5.d

Date : 28-MAY-2010 20:14

Client ID: INDC5HA

Sample Info: 0E27012-CAL5

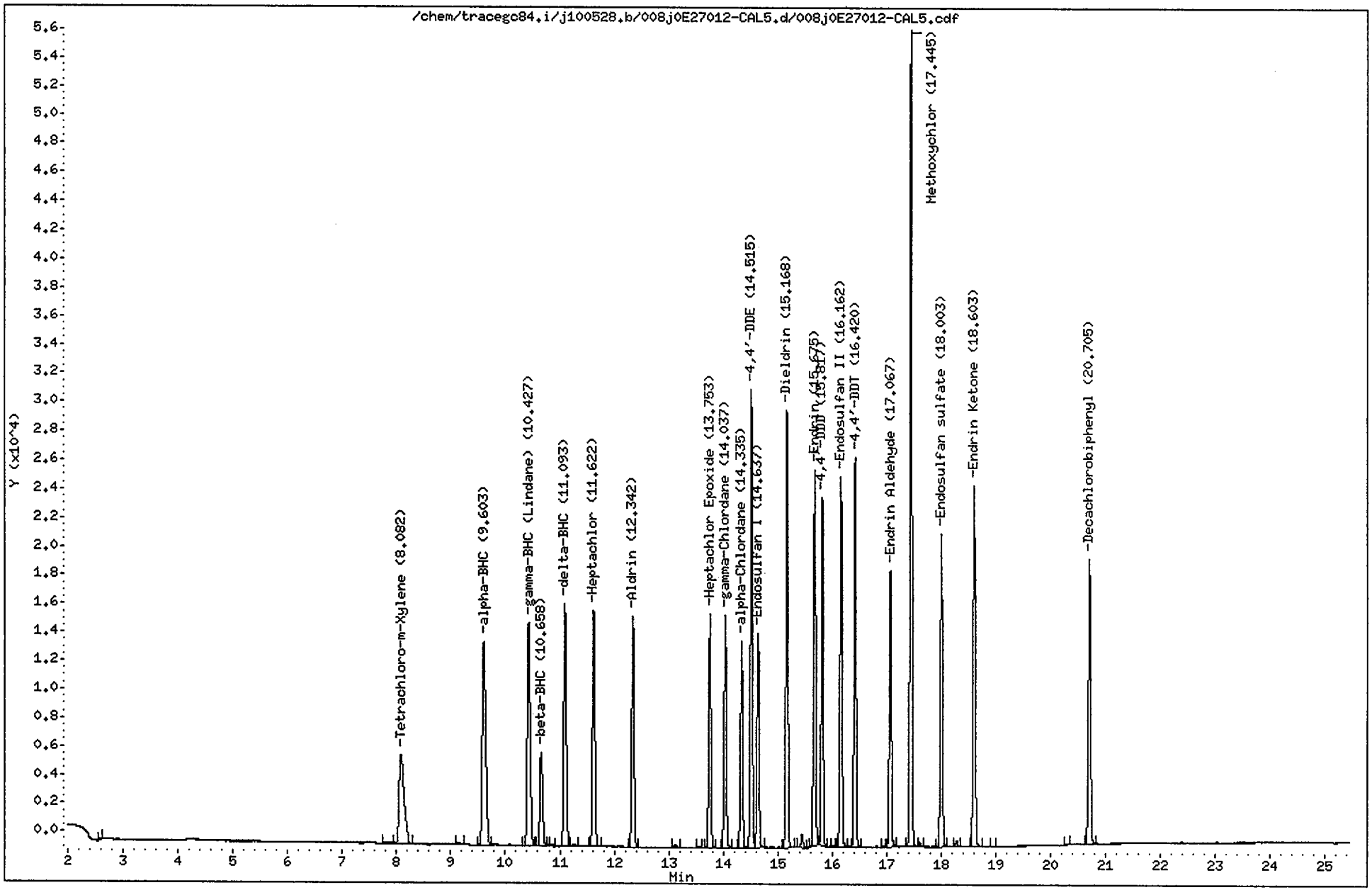
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL5 Client Smp Id : INDC5HA
Sample Type : INITIAL CAL: Level 5 Sublist : INDA
Inj Date : 28-MAY-2010 20:14 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : INDC5HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.55			3249					
2.61			128					
7.82			681					
8.08	8.01	8.15	39913	522758	Tetrachloro-m-Xylene	0.080000	498913	
9.14			506					
9.60	9.53	9.67	60568	775960	alpha-BHC	0.080000	757100	
10.43	10.36	10.50	56377	729192	gamma-BHC (Lindane)	0.080000	704713	
10.66	10.59	10.73	22653	300532	beta-BHC	0.080000	283163	
10.86			351					
11.09	11.02	11.16	53861	689518	delta-BHC	0.080000	673263	
11.26			475					
11.62	11.55	11.69	50929	695465	Heptachlor	0.080000	636600	
12.34	12.27	12.41	46817	636570	Aldrin	0.080000	585200	
13.12			558					
13.55			280					
13.75	13.68	13.82	42653	593700	Heptachlor Epoxide	0.080000	533150	
14.04	13.97	14.11	43114	594875	gamma-Chlordane	0.080000	538925	
14.34	14.27	14.41	37339	516712	alpha-Chlordane	0.080000	466737	
14.52	14.45	14.59	77431	523741	4,4'-DDE	0.160000	483944	
14.64	14.57	14.71	39883	548162	Endosulfan I	0.080000	498537	
15.17	15.10	15.24	76716	515556	Dieldrin	0.160000	479469	
15.45			2365					
15.68	15.61	15.75	67490	463071	Endrin	0.160000	421806	
15.82	15.74	15.88	58597	393458	4,4'-DDD	0.160000	366225	
16.01			121					
16.16	16.09	16.23	65978	450326	Endosulfan II	0.160000	412356	
16.32			394					
16.42	16.35	16.49	66592	454781	4,4'-DDT	0.160000	416194	
16.94			123					
17.07	17.00	17.14	50408	348470	Endrin Aldehyde	0.160000	315050	
17.44	17.37	17.51	136783	194359	Methoxychlor	0.800000	170977	
17.61			647					
18.00	17.93	18.07	56525	392055	Endosulfan sulfate	0.160000	353275	
18.28			1187					
18.60	18.53	18.67	67095	457258	Endrin Ketone	0.160000	419337	
18.96			137					
20.30			252					
20.70	20.63	20.77	54511	408350	Decachlorobiphenyl	0.160000	340687	

AHW
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Data File: /chem/tracegc84.i/j100528.b/009j0E27012-ARC1.d

Date : 28-MAY-2010 20:43

Client ID: TOXAPH3HA

Sample Info: 0E27012-ARC1

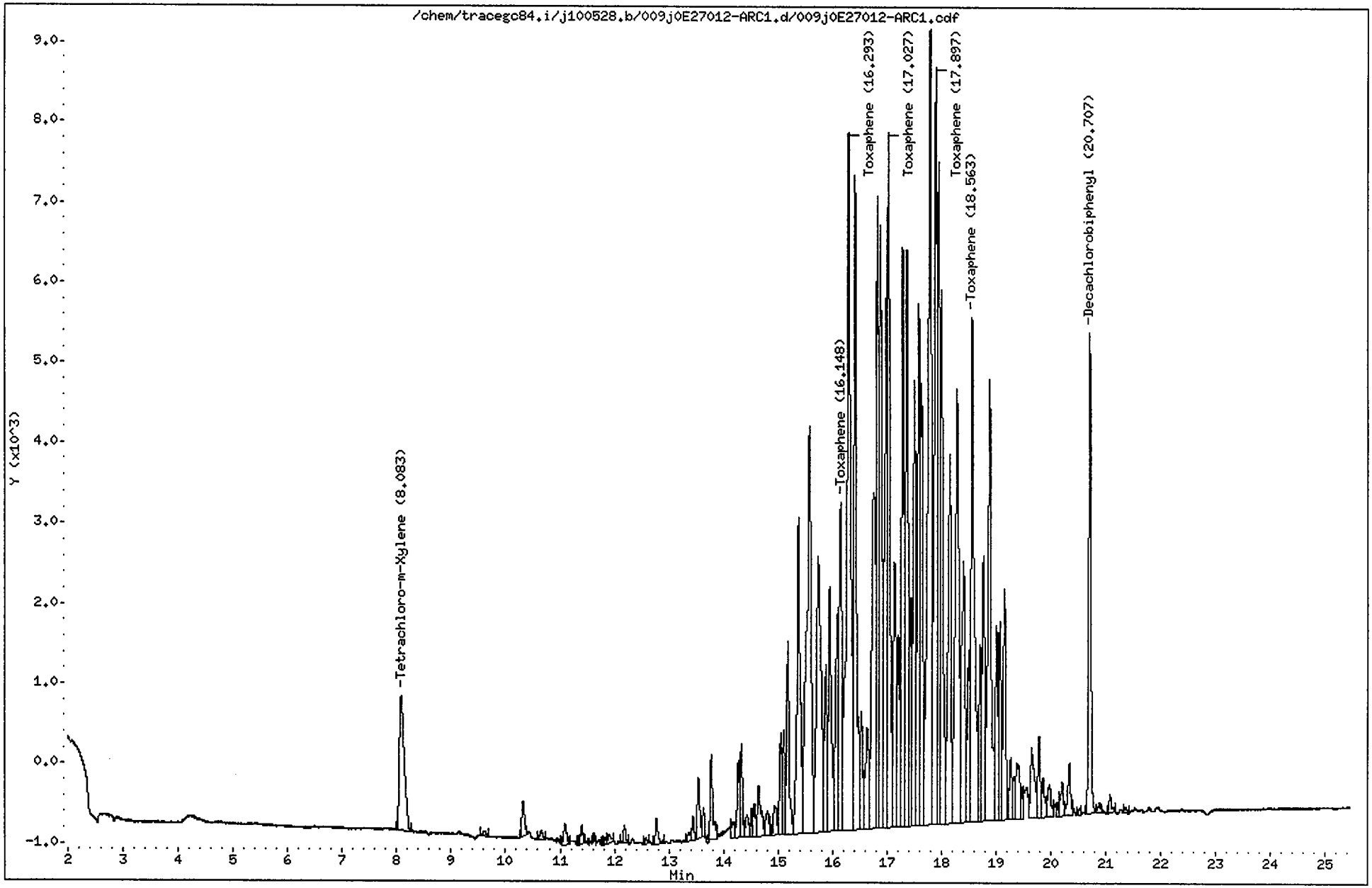
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC1 Client Smp Id : TOXAPH3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 28-MAY-2010 20:43 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : TOXAPH3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.56		24358					
8.08	8.01 8.15	10558	522758	Tetrachloro-m-Xylene	0.020000	518200	
9.62		309					
10.33		1568					
10.66		402					
11.09		990					
11.40		779					
11.82		202					
11.90		506					
12.19		648					
12.58		176					
12.77		1115					
13.37		390					
13.45		773					
13.54		2468					
13.64		912					
13.78		3494					
14.18		680					
14.28		2861					
14.33		3309					
14.43		1100					
14.52		832					
14.57		1207					
14.65		2838					
14.81		1346					
14.93		1597					
15.05		3875					
15.11		3435					
15.18		7871					
15.37		16420					
15.57		29577					
15.74		21775					
15.88		6318					
15.95		11917					
16.09		9879					
16.15	16.08 16.22	14843	7421	Toxaphene Peak 1	2.000000	7421.000	
16.29	16.22 16.36	41666	20833	Toxaphene Peak 2	2.000000	20833	
16.41		28617					
16.53		4507					
16.64		6293					
16.75		19518					
16.83		22191					

2M

Aw 6/1/10

AHW 6/1/10

CompuChem

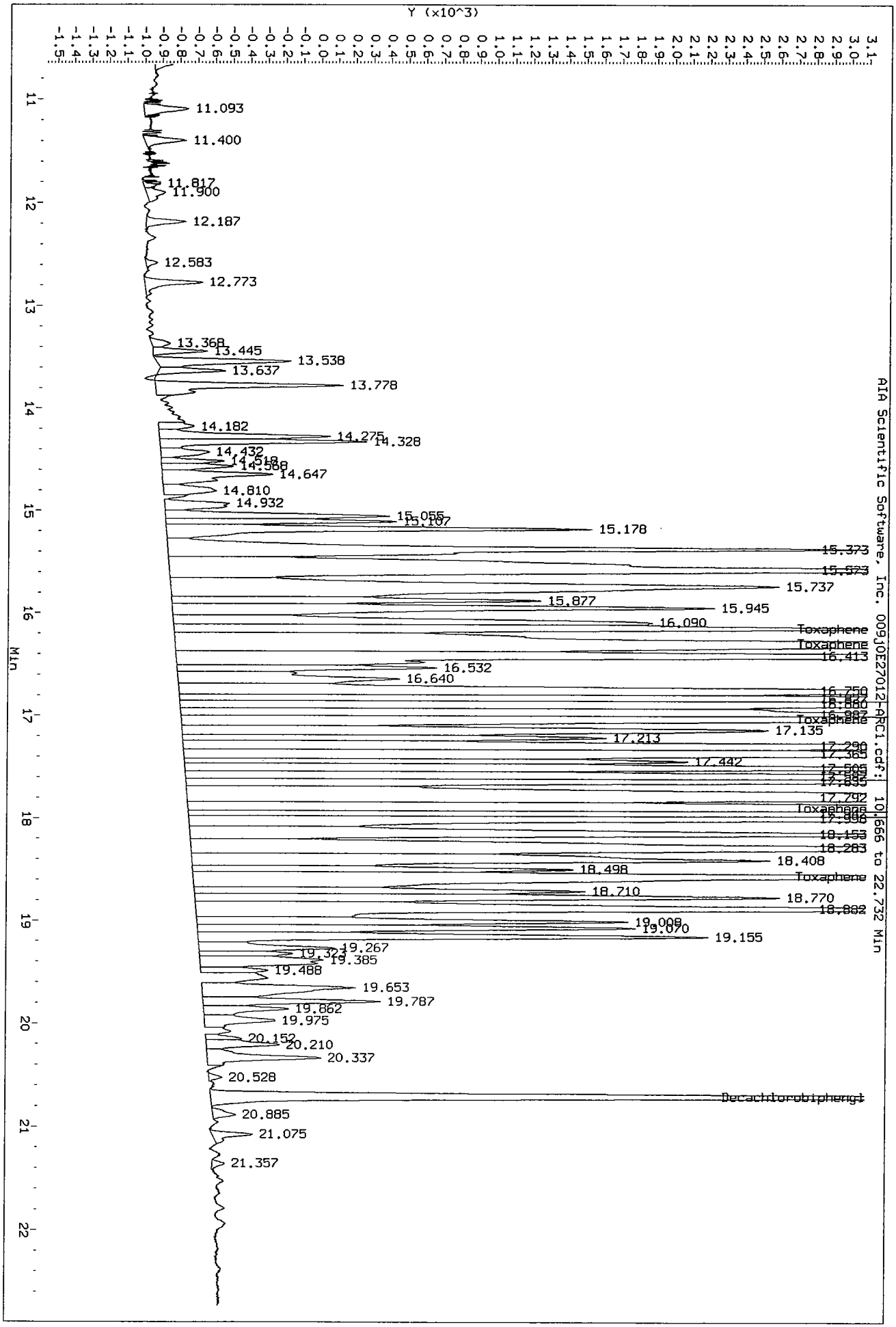
Lab Smp Id : 0E27012-ARC1 Client Smp Id : TOXAPH3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 28-MAY-2010 20:43 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : TOXAPH3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
16.88		23512					
16.99		21348					
17.03	16.96 17.10	28626	14312	Toxaphene Peak 3	2.000000	14313	
17.14		13251					
17.21		7060					
17.29		23121					
17.36		25594					
17.44		7892					
17.50		17368					
17.59		21427					
17.64		16338					
17.79		44953					
17.90	17.83 17.97	32621	16310	Toxaphene Peak 4	2.000000	16310	
17.95		23314					
18.00		21781					
18.15		17931					
18.28		26018					
18.41		15580					
18.50		6059					
18.56	18.49 18.63	26685	13342	Toxaphene Peak 5	2.000000	13342	
18.71		6666					
18.77		11185					
18.88		22226					
19.01		7578					
19.07		7754					
19.16		9352					
19.27		2707					
19.32		1421					
19.39		3544					
19.49		1084					
19.65		4444					
19.79		3103					
19.86		1723					
19.98		1738					
20.15		447					
20.21		1465					
20.34		2484					
20.53		193					
20.71	20.63 20.77	17009	408350	Decachlorobiphenyl	0.040000	403000	
20.89		448					
21.07		713					
21.36		207					

2M

Run 6/1/10

AHW 6/1/10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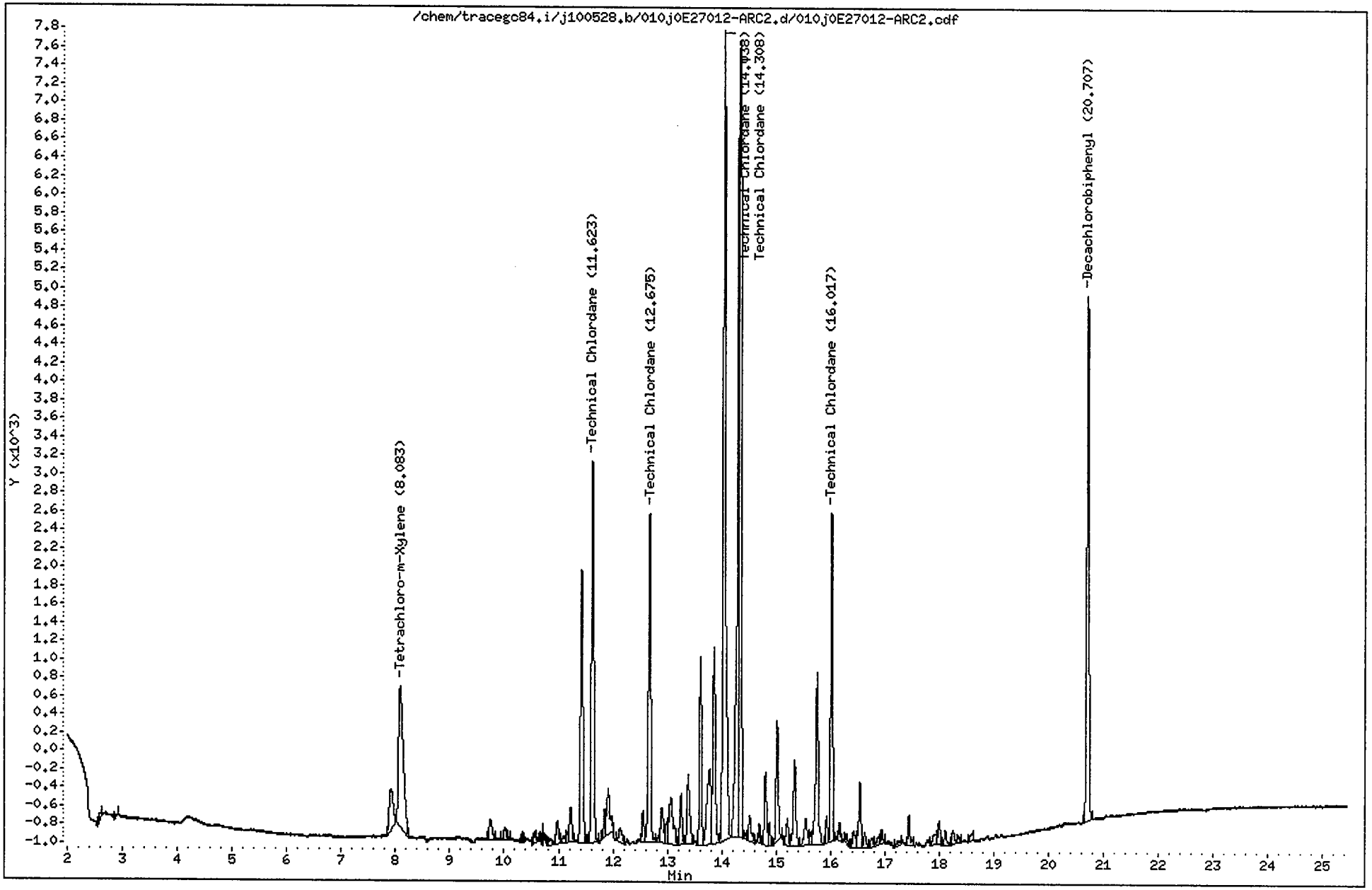
Injection Date: 28-MAY-2010 20:43
Instrument: tracegc84.i
Client Sample ID: TOXAPH3HA
AIA Scientific Software, Inc. 009j0E27012-ARC1.cdf: 10.666 to 22.732 Min
Y (x10^3)
Min
11.093
11.400
11.817
11.900
12.187
12.583
12.773
13.368
13.445
13.538
13.637
13.778
14.182
14.275
14.328
14.432
14.647
14.810
14.932
15.055
15.107
15.178
15.373
15.523
15.737
15.877
15.945
16.090
Toxaphene
Toxaphene
16.413
16.532
16.640
Toxaphene
17.135
17.213
17.442
17.792
Toxaphene
18.153
18.283
18.408
18.498
Toxaphene
18.710
18.770
18.882
19.008
19.070
19.155
19.267
19.323
19.385
19.488
19.653
19.787
19.862
19.975
20.152
20.210
20.337
20.528
Decachlorobiphenyl
20.885
21.075
21.357

Data File: /chem/tracegc84.i/j100528.b/010j0E27012-ARC2.d
Date : 28-MAY-2010 21:11
Client ID: CHLORO3HA
Sample Info: 0E27012-ARC2
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC2 Client Smp Id : CHLORO3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TechChlor
Inj Date : 28-MAY-2010 21:11 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : CHLORO3HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.55			3144					
2.61			236					
2.89			132					
7.91			2292					
8.08	8.01	8.15	9295	522758	Tetrachloro-m-Xylene	0.020000	518200	
9.74			872					
10.02			546					
10.35			172					
10.55			303					
10.71			194					
10.82			301					
10.98			819					
11.10			232					
11.17			249					
11.22			1199					
11.42			9327					
11.62	11.55	11.69	12816	32040	TechnicalChlordane Peak 1	0.400000	32040	
11.85			777					
11.91			1992					
12.13			661					
12.55			847					
12.68	12.61	12.75	10802	27002	TechnicalChlordane Peak 2	0.400000	27003	
12.84			186					
12.90			1323					
12.98			581					
13.06			2773					
13.25			1605					
13.38			2661					
13.61			5322					
13.78			4299					
13.86			6651					
14.04	13.97	14.11	27683	69208	TechnicalChlordane Peak 3	0.400000	69207	
14.31	14.24	14.38	21396	53488	TechnicalChlordane Peak 4	0.400000	53487	
14.33			21026					
14.43			147					
14.51			948					
14.69			425					
14.80			2186					
14.87			657					
15.01			3629					
15.21			847					
15.34			3048					

AHW
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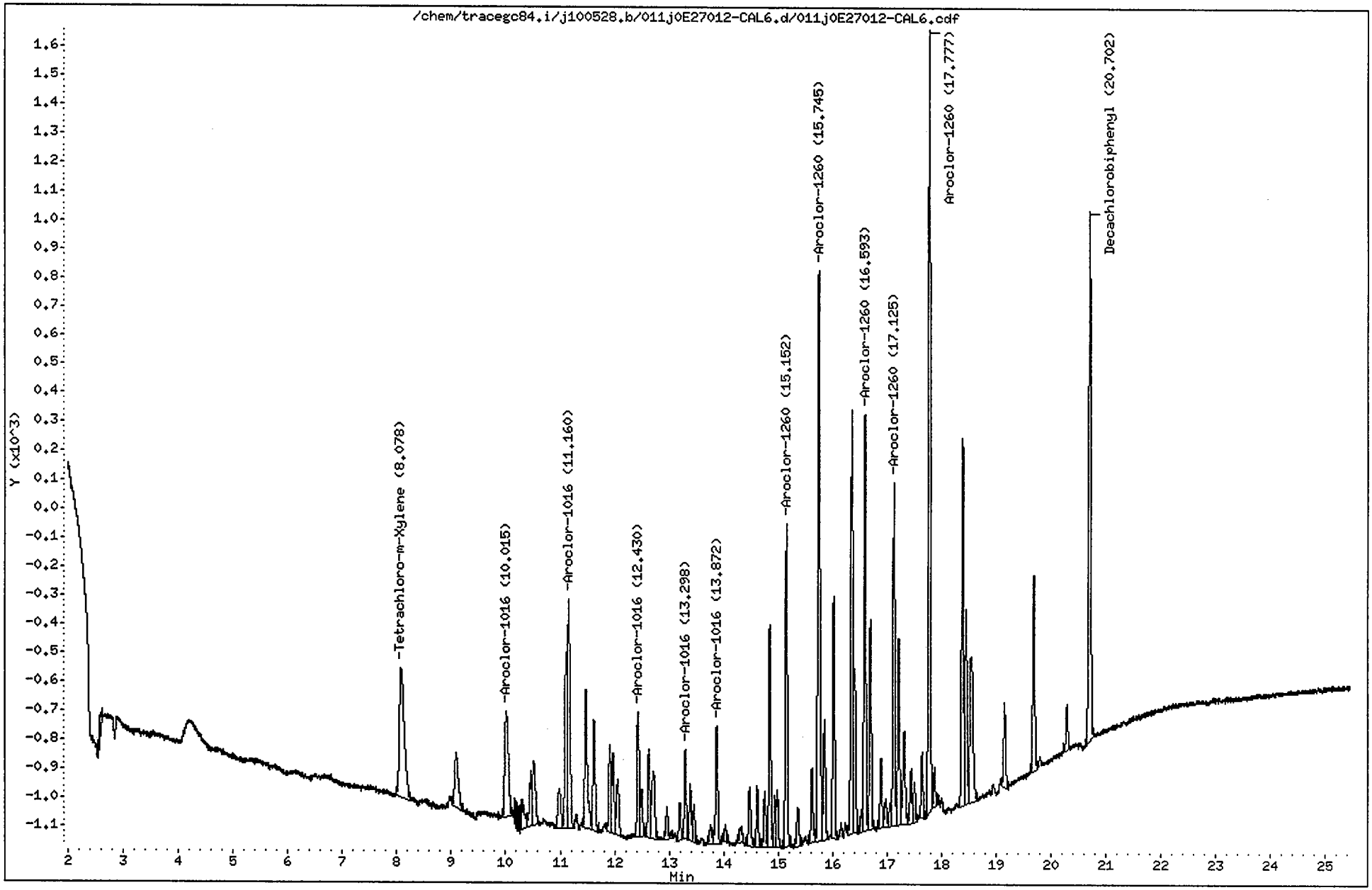
CompuChem

Lab Smp Id : 0E27012-ARC2 Client Smp Id : CHLORO3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TechChlor
Inj Date : 28-MAY-2010 21:11 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : CHLORO3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.54		1136					
15.62		313					
15.75		6299					
15.93		682					
16.02	15.95 16.09	8940	22350	TechnicalChlordane Peak 5	0.400000	22350	
16.17		448					
16.29		241					
16.43		614					
16.54		2122					
16.63		473					
16.76		303					
16.88		290					
16.95		347					
17.25		149					
17.44		877					
17.89		575					
18.00		694					
18.11		452					
18.25		444					
18.36		149					
18.57		251					
20.71	20.63 20.77	15746	408350	Decachlorobiphenyl	0.040000	403000	

Data File: /chem/tracegc84.i/j100528.b/011j0E27012-CAL6.d
Date : 28-MAY-2010 21:40
Client ID: AR16601HA
Sample Info: 0E27012-CAL6
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i
Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL6 Client Smp Id : AR16601HA
Sample Type : INITIAL CAL: Level 1 Sublist : AR1660
Inj Date : 28-MAY-2010 21:40 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16601HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.56		3520					
2.59		170					
8.08	8.01 8.15	2767	522758	Tetrachloro-m-Xylene	0.005000	537800	
9.09		902					
10.02	9.95 10.09	1704	15485	Aroclor-1016 Peak 1	0.100000	17040	
10.30		383					
10.46		489					
10.52		870					
10.98		528					
11.11		1558					
11.16	11.09 11.23	2521	22974	Aroclor-1016 Peak 2	0.100000	25200	
11.47		1557					
11.62		1096					
11.91		804					
11.97		780					
12.06		587					
12.43	12.36 12.50	1156	10563	Aroclor-1016 Peak 3	0.100000	11560	
12.49		414					
12.63		808					
12.72		911					
12.96		316					
13.20		306					
13.30	13.23 13.37	745	6997	Aroclor-1016 Peak 4	0.100000	7450.000	
13.39		506					
13.46		304					
13.77		199					
13.87	13.81 13.95	1131	10047	Aroclor-1016 Peak 5	0.100000	11310	
14.03		153					
14.30		186					
14.48		587					
14.62		512					
14.75		471					
14.85		1852					
14.94		401					
14.98		478					
15.15	15.08 15.22	2767	23522	Aroclor-1260 Peak 1	0.100000	27660	
15.36		403					
15.62		649					
15.74	15.68 15.82	5499	46694	Aroclor-1260 Peak 2	0.100000	54980	
15.85		1061					
16.02		2074					
16.35		3908					

AHW
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CompuChem

Lab Smp Id : 0E27012-CAL6 Client Smp Id : AR16601HA
Sample Type : INITIAL CAL: Level 1 Sublist : AR1660
Inj Date : 28-MAY-2010 21:40 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16601HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
16.41		1447					
16.53		138					
16.59	16.53 16.67	3561	30634	Aroclor-1260 Peak 3	0.100000	35610	
16.70		1748					
16.89		619					
16.98		267					
17.06		185					
17.12	17.06 17.20	2961	25456	Aroclor-1260 Peak 4	0.100000	29610	
17.21		1590					
17.32		996					
17.44		512					
17.50		339					
17.65		558					
17.78	17.71 17.85	6708	57759	Aroclor-1260 Peak 5	0.100000	67080	
17.87		305					
18.39		3123					
18.45		1664					
18.54		2061					
19.16		730					
19.69		1693					
20.29		371					
20.70	20.63 20.77	4944	408350	Decachlorobiphenyl	0.010000	482100	

Data File: /chem/tracegc84.i/j100528.b/012j0E27012-CAL7.d

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Date : 28-MAY-2010 22:10

Client ID: AR16602HA

Instrument: tracegc84.i

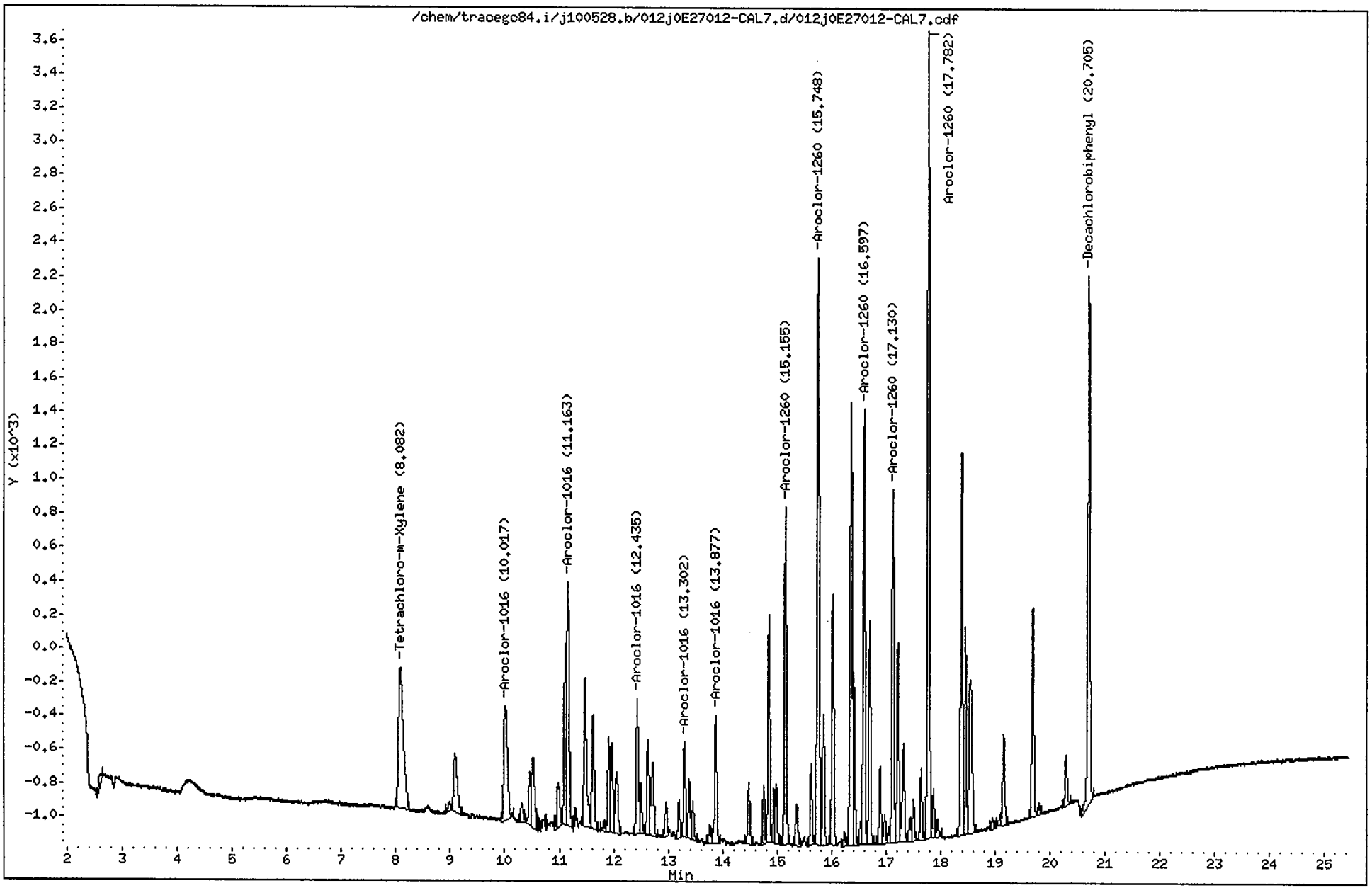
Sample Info: 0E27012-CAL7

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL7 Client Smp Id : AR16602HA
Sample Type : INITIAL CAL: Level 2 Sublist : AR1660
Inj Date : 28-MAY-2010 22:10 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16602HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.56		3394					
2.62		287					
8.08	8.01 8.15	5111	522758	Tetrachloro-m-Xylene	0.010000	545600	
8.98		168					
9.09		1587					
10.02	9.95 10.09	3202	15485	Aroclor-1016 Peak 1	0.200000	16010	
10.32		401					
10.47		855					
10.53		1721					
10.95		194					
10.99		893					
11.11		2453					
11.16	11.09 11.23	4955	22974	Aroclor-1016 Peak 2	0.200000	24775	
11.48		2978					
11.63		1965					
11.83		175					
11.91		1534					
11.97		1482					
12.06		1224					
12.44	12.36 12.50	2175	10563	Aroclor-1016 Peak 3	0.200000	10870	
12.50		784					
12.63		1476					
12.72		1715					
12.96		496					
13.20		546					
13.30	13.23 13.37	1376	6997	Aroclor-1016 Peak 4	0.200000	6875.000	
13.39		893					
13.46		572					
13.77		273					
13.88	13.81 13.95	2082	10047	Aroclor-1016 Peak 5	0.200000	10405	
14.48		1031					
14.76		821					
14.85		3269					
14.94		740					
14.99		840					
15.16	15.08 15.22	4966	23522	Aroclor-1260 Peak 1	0.200000	24830	
15.37		690					
15.63		1165					
15.75	15.68 15.82	9746	46694	Aroclor-1260 Peak 2	0.200000	48725	
15.86		1914					
16.02		3785					
16.24		204					

AHW
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CompuChem

Lab Smp Id : 0E27012-CAL7 Client Smp Id : AR16602HA
Sample Type : INITIAL CAL: Level 2 Sublist : AR1660
Inj Date : 28-MAY-2010 22:10 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16602HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
16.36		7192					
16.41		2387					
16.53		279					
16.60	16.53 16.67	6472	30634	Aroclor-1260 Peak 3	0.200000	32360	
16.70		3267					
16.89		1120					
16.98		448					
17.05		200					
17.13	17.06 17.20	5313	25456	Aroclor-1260 Peak 4	0.200000	26565	
17.22		2891					
17.32		1753					
17.44		413					
17.51		561					
17.65		1014					
17.78	17.71 17.85	12048	57759	Aroclor-1260 Peak 5	0.200000	60240	
17.87		729					
17.94		293					
18.39		5771					
18.45		3059					
18.55		3649					
18.95		160					
19.08		156					
19.16		1411					
19.69		3081					
19.80		138					
20.29		789					
20.70	20.63 20.77	8841	408350	Decachlorobiphenyl	0.020000	446650	

Data File: /chem/tracegc84.i/j100528.b/013j0E27012-CAL8.d

Date : 28-MAY-2010 22:38

Client ID: AR16603HA

Sample Info: 0E27012-CAL8

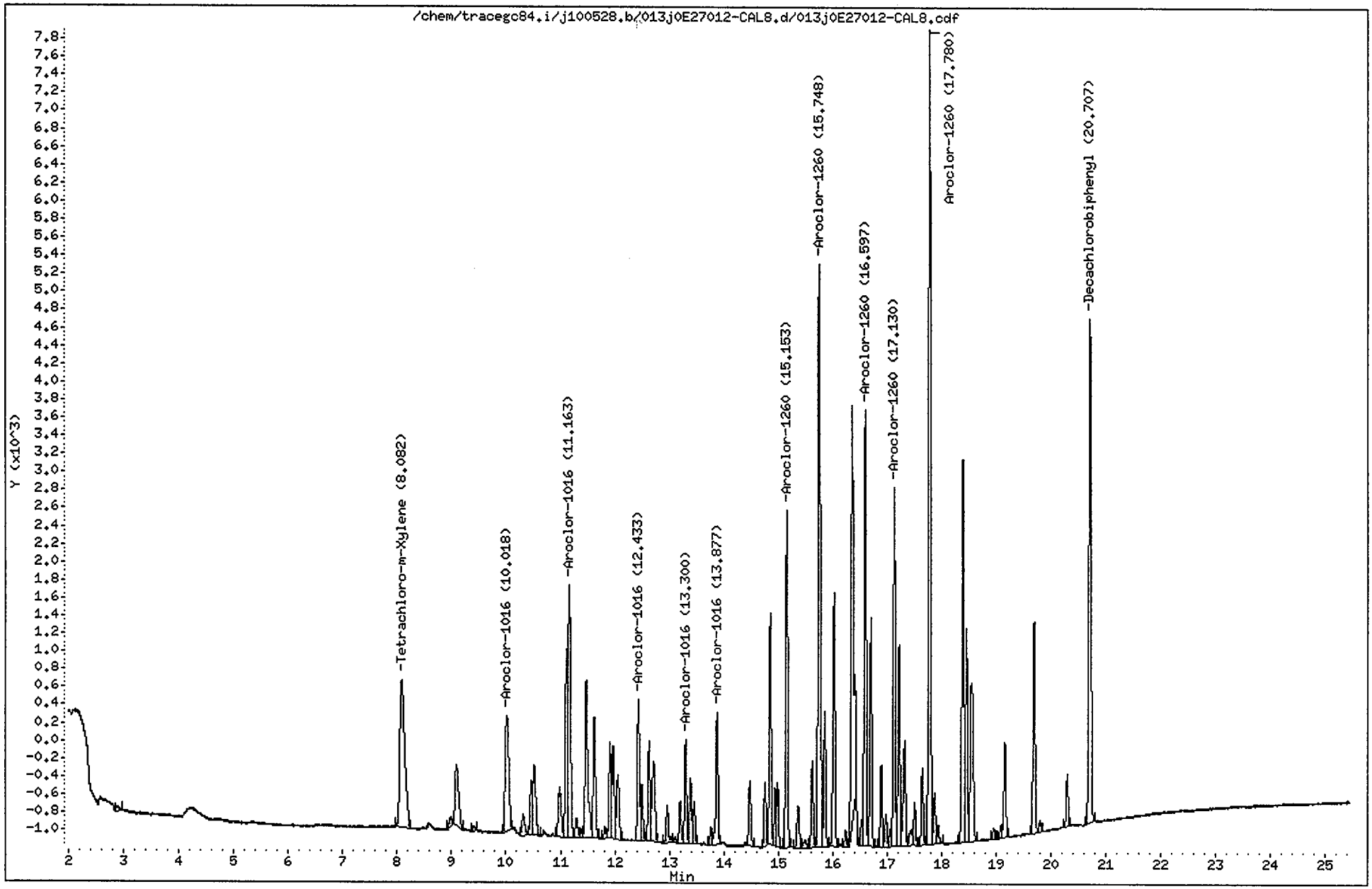
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL8 Client Smp Id : AR16603HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1660
Inj Date : 28-MAY-2010 22:38 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16603HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.56		24150					
2.88		267					
8.08	8.01 8.15	10346	522758	Tetrachloro-m-Xylene	0.020000	518200	
8.99		354					
9.09		3161					
9.41		176					
10.02	9.95 10.09	6110	15485	Aroclor-1016 Peak 1	0.400000	15275	
10.32		841					
10.46		1618					
10.52		2899					
10.99		2044					
11.11		5325					
11.16	11.09 11.23	9213	22974	Aroclor-1016 Peak 2	0.400000	23033	
11.30		682					
11.38		210					
11.48		6114					
11.63		3897					
11.82		302					
11.91		2768					
11.97		2942					
12.06		2375					
12.43	12.36 12.50	4296	10563	Aroclor-1016 Peak 3	0.400000	10740	
12.50		1583					
12.63		2895					
12.72		3338					
12.96		1215					
13.11		157					
13.20		1187					
13.30	13.23 13.37	2917	6997	Aroclor-1016 Peak 4	0.400000	7290.000	
13.39		1889					
13.46		1219					
13.77		494					
13.88	13.81 13.95	3998	10047	Aroclor-1016 Peak 5	0.400000	9995.000	
14.48		1969					
14.76		1640					
14.85		6318					
14.94		1482					
14.99		1704					
15.15	15.08 15.22	9457	23522	Aroclor-1260 Peak 1	0.400000	23643	
15.36		1397					
15.49		293					
15.63		2355					

AHW
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CompuChem

Lab Smp Id : 0E27012-CAL8 Client Smp Id : AR16603HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1660
Inj Date : 28-MAY-2010 22:38 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16603HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.75	15.68 15.82	18648	46694	Aroclor-1260 Peak 2	0.400000	46620	
15.85		3801					
16.02		7349					
16.24		412					
16.36		15379					
16.53		642					
16.60	16.53 16.67	12252	30634	Aroclor-1260 Peak 3	0.400000	30627	
16.70		6322					
16.89		2203					
16.98		867					
17.06		395					
17.13	17.06 17.20	10256	25456	Aroclor-1260 Peak 4	0.400000	25640	
17.22		5637					
17.32		3467					
17.44		592					
17.51		1173					
17.65		2041					
17.78	17.71 17.85	22955	57759	Aroclor-1260 Peak 5	0.400000	57385	
17.87		1415					
17.94		520					
18.39		11047					
18.45		5878					
18.55		6954					
18.95		327					
19.08		343					
19.16		2847					
19.69		5998					
19.80		299					
20.30		1460					
20.71	20.63 20.77	15493	408350	Decachlorobiphenyl	0.040000	403000	

Data File: /chem/tracegc84.i/j100528.b/014j0E27012-CAL9.d

Date : 28-MAY-2010 23:07

Client ID: AR16604HA

Sample Info: 0E27012-CAL9

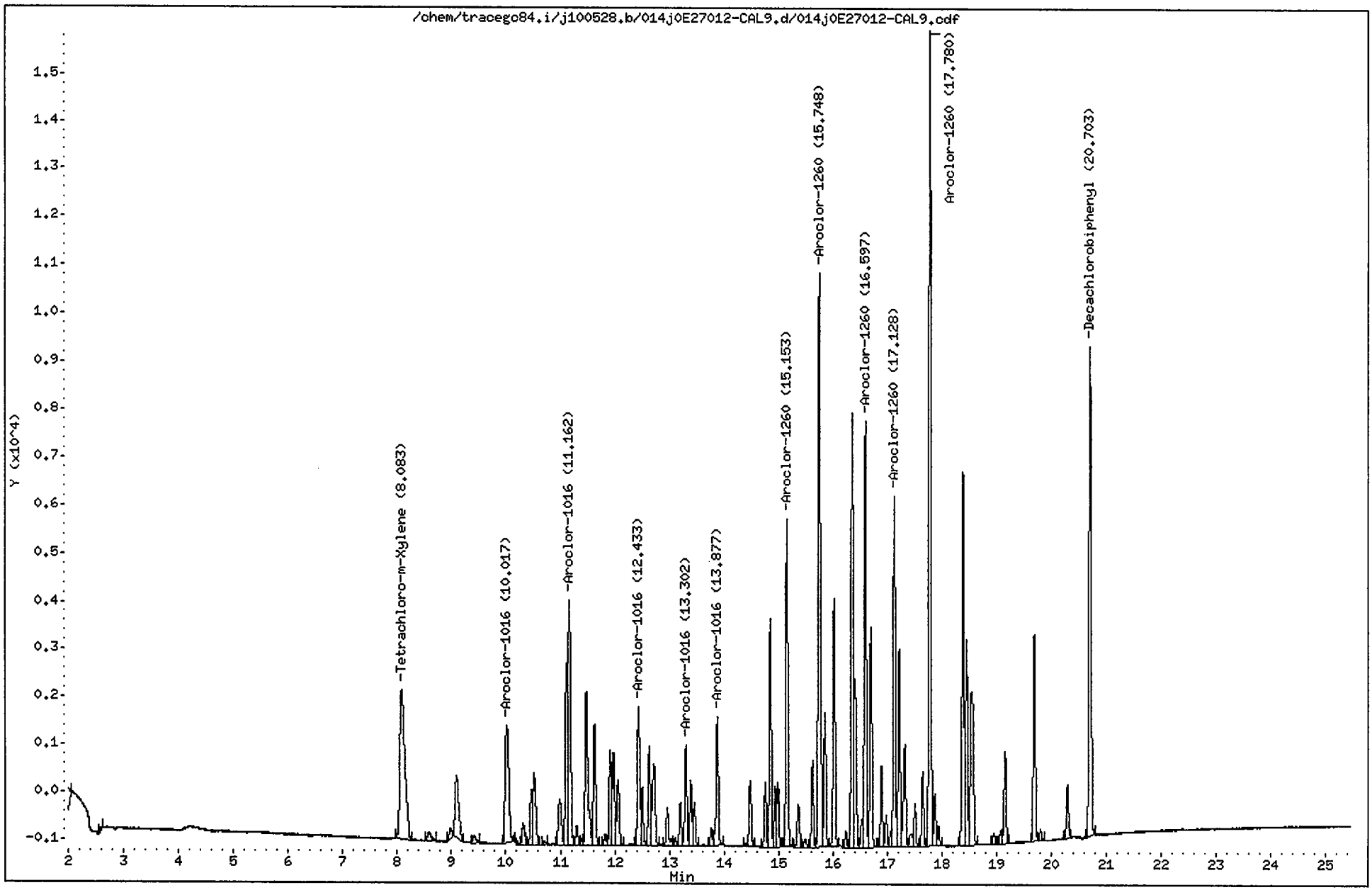
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL9 Client Smp Id : AR16604HA
Sample Type : INITIAL CAL: Level 4 Sublist : AR1660
Inj Date : 28-MAY-2010 23:07 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16604HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.44		125					
1.56		25544					
2.60		153					
8.08	8.01 8.15	20185	522758	Tetrachloro-m-Xylene	0.040000	513275	
8.59		872					
8.98		657					
9.09		6109					
9.41		565					
10.02	9.95 10.09	11992	15485	Aroclor-1016 Peak 1	0.800000	14990	
10.31		1623					
10.47		3365					
10.52		5263					
10.71		191					
10.99		3888					
11.11		9659					
11.16	11.09 11.23	17361	22974	Aroclor-1016 Peak 2	0.800000	21701	
11.30		1192					
11.39		386					
11.47		11480					
11.63		7407					
11.82		660					
11.91		5385					
11.97		5650					
12.06		4523					
12.43	12.36 12.50	8185	10563	Aroclor-1016 Peak 3	0.800000	10230	
12.50		3221					
12.63		5585					
12.72		6541					
12.96		2515					
13.11		407					
13.20		2340					
13.30	13.23 13.37	5559	6997	Aroclor-1016 Peak 4	0.800000	6948.750	
13.39		3616					
13.46		2380					
13.77		956					
13.88	13.81 13.95	7714	10047	Aroclor-1016 Peak 5	0.800000	9642.500	
14.39		179					
14.47		3827					
14.76		3371					
14.85		12073					
14.94		3015					
14.99		3303					

AHW
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CompuChem

Lab Smp Id : 0E27012-CAL9 Client Smp Id : AR16604HA
Sample Type : INITIAL CAL: Level 4 Sublist : AR1660
Inj Date : 28-MAY-2010 23:07 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16604HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.15	15.08 15.22	17271	23522	Aroclor-1260 Peak 1	0.800000	21587	
15.37		2617					
15.50		557					
15.62		4436					
15.75	15.68 15.82	34379	46694	Aroclor-1260 Peak 2	0.800000	42974	
15.85		7021					
16.02		13737					
16.23		803					
16.36		25290					
16.41		8474					
16.53		1302					
16.60	16.53 16.67	22635	30634	Aroclor-1260 Peak 3	0.800000	28294	
16.70		11870					
16.89		4166					
16.98		1645					
17.05		713					
17.13	17.06 17.20	18884	25456	Aroclor-1260 Peak 4	0.800000	23605	
17.22		10385					
17.32		6517					
17.42		996					
17.50		2248					
17.65		3880					
17.78	17.71 17.85	42652	57759	Aroclor-1260 Peak 5	0.800000	53315	
17.87		2672					
17.94		950					
18.39		20345					
18.45		10856					
18.55		12918					
18.95		603					
19.08		650					
19.16		5250					
19.69		11058					
19.80		591					
20.29		2820					
20.70	20.63 20.77	28052	408350	Decachlorobiphenyl	0.080000	369313	

Data File: /chem/tracegc84.i/j100528.b/015j0E27012-CALA.d

Date : 28-MAY-2010 23:36

Client ID: AR16605HA

Sample Info: 0E27012-CALA

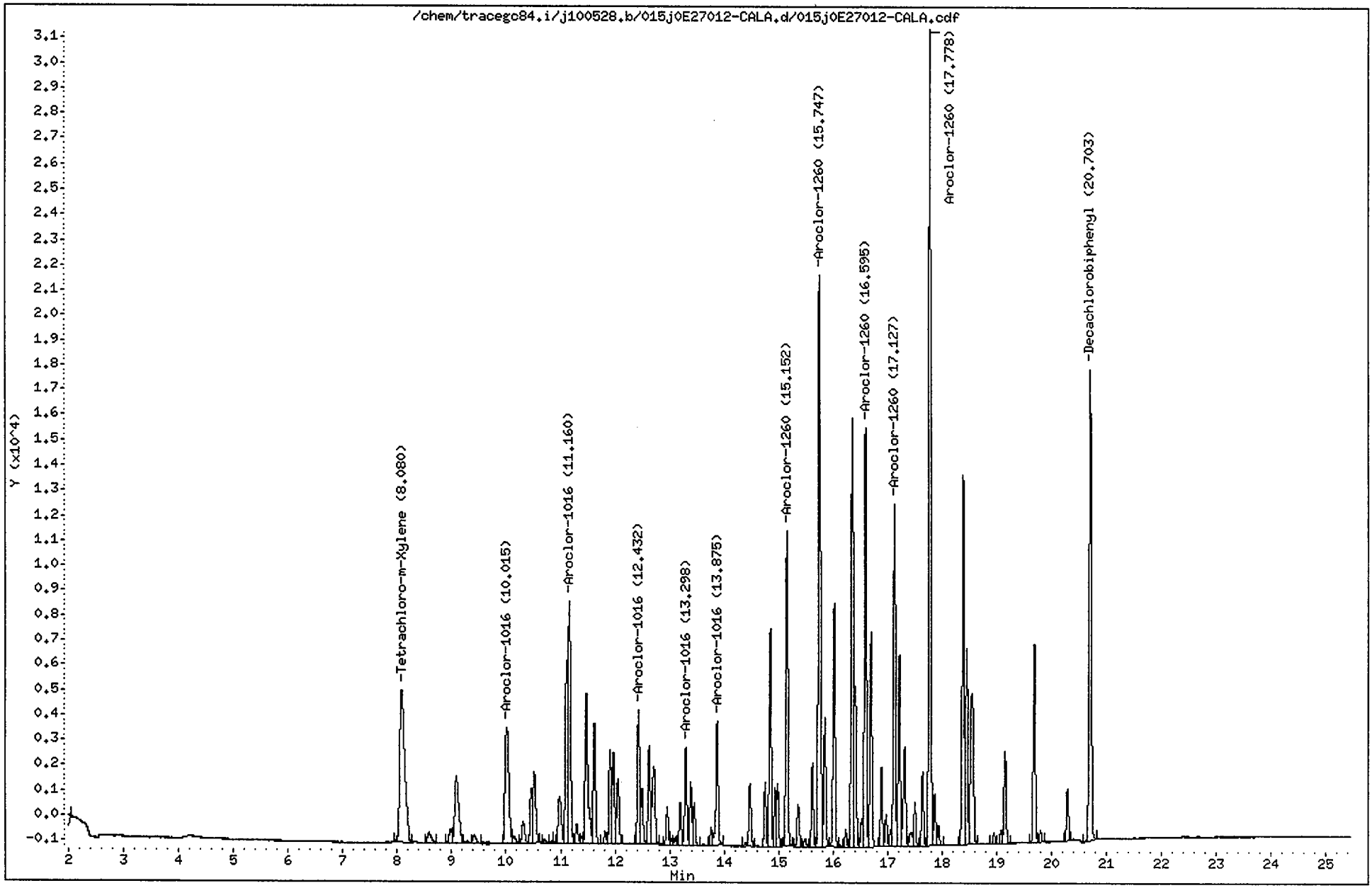
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CALA Client Smp Id : AR16605HA
Sample Type : INITIAL CAL: Level 5 Sublist : AR1660
Inj Date : 28-MAY-2010 23:36 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16605HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.44		136					
1.56		22796					
8.08	8.01 8.15	38541	522758	Tetrachloro-m-Xylene	0.080000	498913	
8.58		2097					
8.97		2115					
9.09		13363					
9.41		1315					
10.02	9.95 10.09	22577	15485	Aroclor-1016 Peak 1	1.600000	14111	
10.14		1046					
10.31		3107					
10.47		6161					
10.52		10007					
10.70		493					
10.86		130					
10.98		7446					
11.11		18142					
11.16	11.09 11.23	32256	22974	Aroclor-1016 Peak 2	1.600000	20160	
11.29		2414					
11.39		790					
11.47		21565					
11.62		14013					
11.82		1333					
11.91		10102					
11.97		10481					
12.05		8519					
12.43	12.36 12.50	15068	10563	Aroclor-1016 Peak 3	1.600000	9416.875	
12.49		6118					
12.63		10474					
12.72		12219					
12.96		4138					
13.03		666					
13.10		773					
13.20		4471					
13.30	13.23 13.37	10278	6997	Aroclor-1016 Peak 4	1.600000	6423.125	
13.39		6778					
13.45		4623					
13.76		1816					
13.88	13.81 13.95	14214	10047	Aroclor-1016 Peak 5	1.600000	8883.125	
14.39		257					
14.48		6972					
14.75		6257					
14.85		22143					

AHW
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CompuChem

Lab Smp Id : 0E27012-CALA Client Smp Id : AR16605HA
Sample Type : INITIAL CAL: Level 5 Sublist : AR1660
Inj Date : 28-MAY-2010 23:36 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR16605HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
14.94		5693					
14.98		6157					
15.15	15.08 15.22	31824	23522	Aroclor-1260 Peak 1	1.600000	19889	
15.36		4930					
15.49		1046					
15.62		8213					
15.75	15.68 15.82	64274	46694	Aroclor-1260 Peak 2	1.600000	40171	
15.85		12877					
16.02		25491					
16.13		199					
16.23		1546					
16.35		47716					
16.41		15057					
16.53		2560					
16.60	16.53 16.67	42043	30634	Aroclor-1260 Peak 3	1.600000	26276	
16.70		21872					
16.89		7781					
16.98		3167					
17.05		1430					
17.13	17.06 17.20	34976	25456	Aroclor-1260 Peak 4	1.600000	21860	
17.22		19261					
17.32		12242					
17.43		2019					
17.50		4340					
17.65		7276					
17.78	17.71 17.85	81243	57759	Aroclor-1260 Peak 5	1.600000	50777	
17.87		5164					
17.94		1884					
18.39		38185					
18.45		19689					
18.54		23668					
18.95		1141					
19.08		1255					
19.16		9881					
19.69		20464					
19.80		1193					
20.29		5262					
20.70	20.63 20.77	51898	408350	Decachlorobiphenyl	0.160000	340687	

Data File: /chem/tracegc84.i/j100528.b/016j0E27012-ARC3.d

Date : 29-MAY-2010 00:05

Client ID: AR12213HA

Sample Info: 0E27012-ARC3

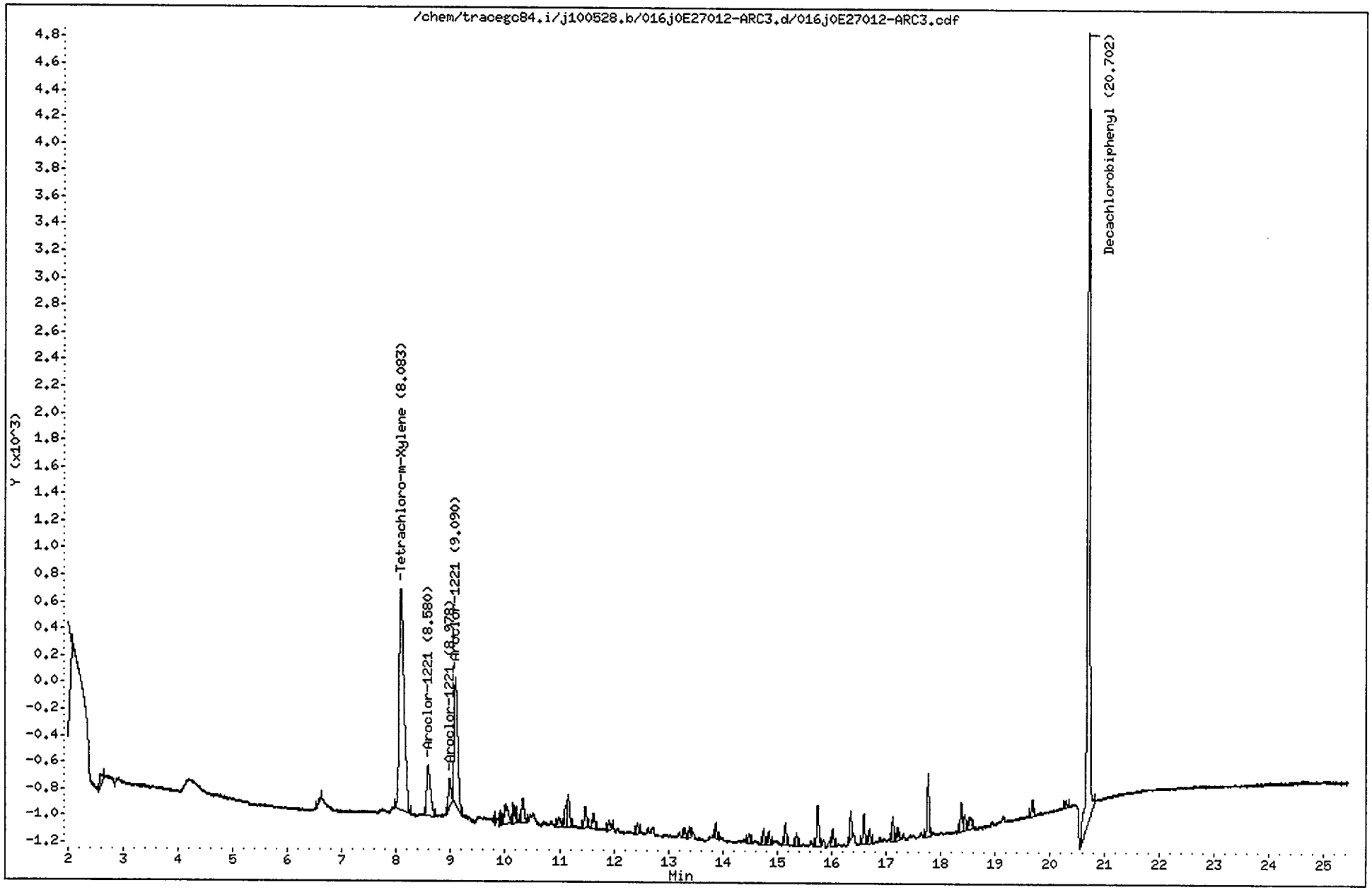
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC3 Client Smp Id : AR12213HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1221
Inj Date : 29-MAY-2010 00:05 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR12213HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.56			46706					
2.59			246					
6.60			145					
8.08	8.01	8.15	10436	522758	Tetrachloro-m-Xylene	0.020000	518200	
8.58	8.51	8.65	1932	4828	Aroclor-1221 Peak 2	0.400000	4827.500	
8.98	8.91	9.05	681	1702	Aroclor-1221 Peak 3	0.400000	1702.500	
9.09	9.02	9.16	4396	10990	Aroclor-1221 Peak 4	0.400000	10990	
10.00			677					
10.15			419					
10.33			647					
10.99			266					
11.12			393					
11.16			780					
11.48			448					
11.62			347					
11.92			222					
12.44			192					
13.30			205					
13.39			169					
13.88			264					
14.48			191					
14.75			287					
14.85			245					
15.15			395					
15.35			268					
15.74			845					
16.02			328					
16.36			480					
16.59			511					
16.70			249					
17.13			433					
17.21			227					
17.78			1137					
18.38			540					
18.45			277					
18.55			314					
19.69			302					
20.29			148					
20.70	20.63	20.77	17787	408350	Decachlorobiphenyl	0.040000	403000	

AHW
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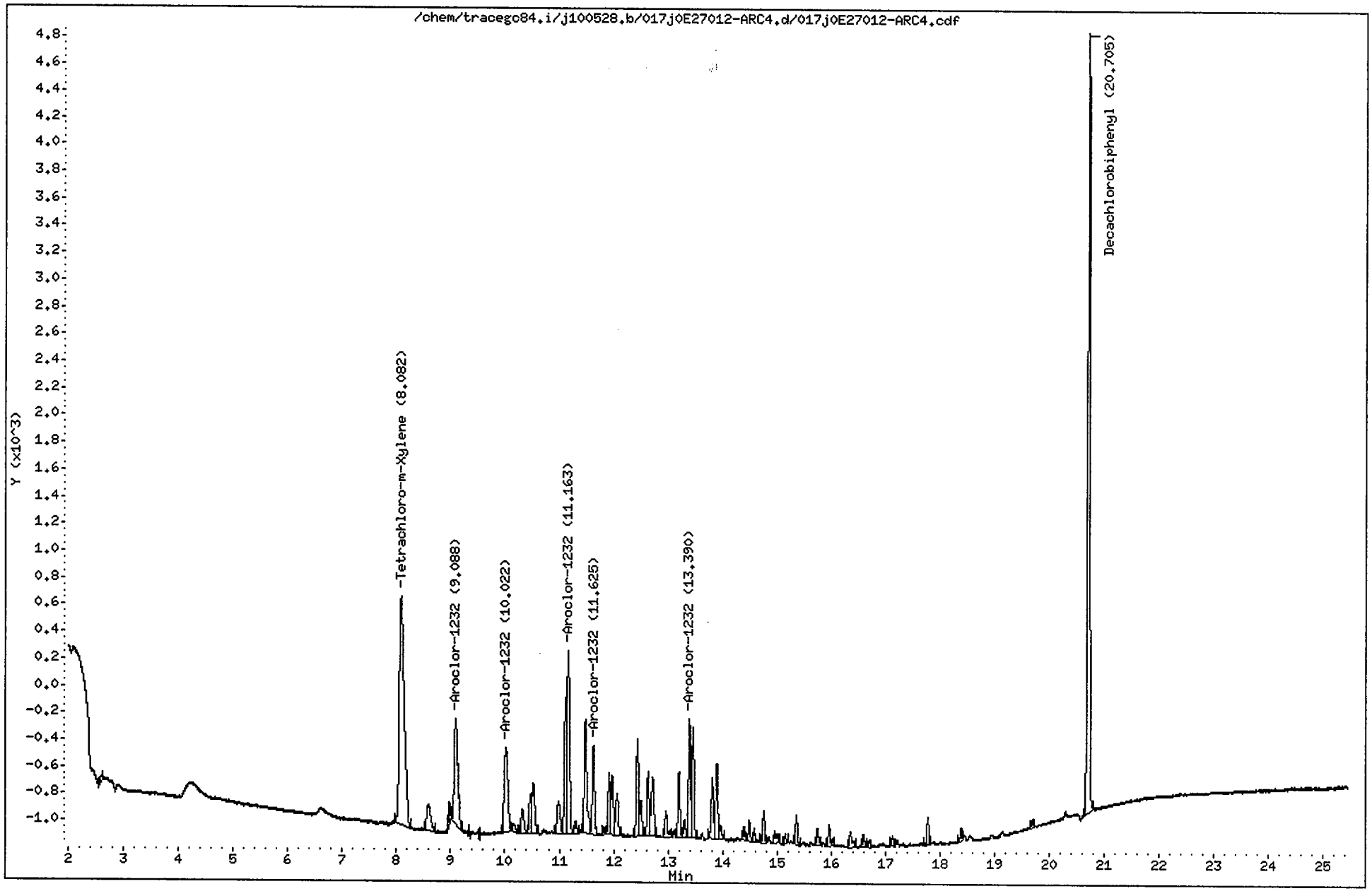
Data File: /chem/tracegc84.i/j100528.b/017j0E27012-ARC4.d
Date : 29-MAY-2010 00:34
Client ID: AR12323HA
Sample Info: 0E27012-ARC4
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i
Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC4 Client Smp Id : AR12323HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1232
Inj Date : 29-MAY-2010 00:34 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR12323HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.56		23153					
2.59		142					
8.08	8.01 8.15	10692	522758	Tetrachloro-m-Xylene	0.020000	518200	
8.59		1062					
8.97		388					
9.09	9.02 9.16	3587	8968	Aroclor-1232 Peak 1	0.400000	8967.500	
10.02	9.95 10.09	2925	7312	Aroclor-1232 Peak 2	0.400000	7312.500	
10.16		195					
10.32		666					
10.46		729					
10.52		1411					
10.99		964					
11.11		2664					
11.16	11.09 11.23	4330	10825	Aroclor-1232 Peak 3	0.400000	10825	
11.30		252					
11.48		2752					
11.62	11.56 11.70	1875	4685	Aroclor-1232 Peak 4	0.400000	4685.000	
11.83		130					
11.91		1200					
11.97		1266					
12.06		993					
12.43		1930					
12.50		704					
12.63		1233					
12.72		1571					
12.96		599					
13.20		1217					
13.30		330					
13.39	13.32 13.46	2184	5460	Aroclor-1232 Peak 5	0.400000	5460.000	
13.46		2195					
13.81		1214					
13.90		1610					
13.96		261					
14.39		229					
14.49		374					
14.59		240					
14.76		583					
14.96		323					
15.15		151					
15.36		554					
15.74		334					
15.96		451					

AHW
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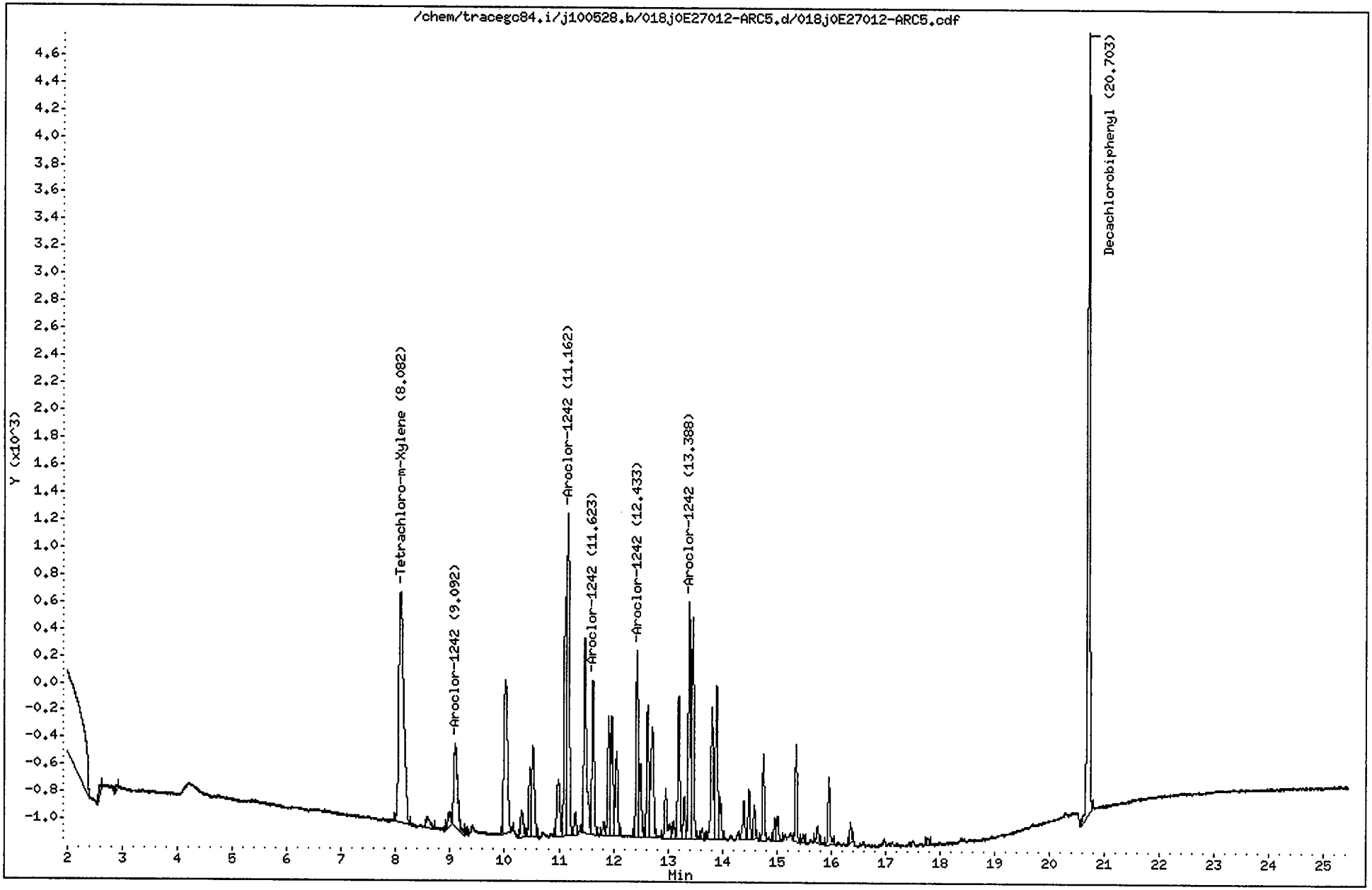
CompuChem

Lab Smp Id : 0E27012-ARC4 Client Smp Id : AR12323HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1232
Inj Date : 29-MAY-2010 00:34 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR12323HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
16.36		371					
16.59		223					
16.70		121					
17.13		177					
17.78		507					
18.39		203					
19.69		148					
20.70	20.63 20.77	15922	408350	Decachlorobiphenyl	0.040000	403000	

Data File: /chem/tracegc84.i/j100528.b/018j0E27012-ARC5.d
Date : 29-MAY-2010 01:03
Client ID: AR12423HA
Sample Info: 0E27012-ARC5
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i
Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC5 Client Smp Id : AR12423HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1242
Inj Date : 29-MAY-2010 01:03 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR12423HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.45			268					
1.57			51914					
2.59			168					
2.88			149					
8.08	8.01	8.15	10697	522758	Tetrachloro-m-Xylene	0.020000	518200	
8.58			421					
8.97			453					
9.09	9.02	9.16	2993	7480	Aroclor-1242 Peak 1	0.400000	7480.000	
10.02			5302					
10.32			672					
10.47			1415					
10.52			2363					
10.99			1671					
11.11			4527					
11.16	11.09	11.23	7642	19102	Aroclor-1242 Peak 2	0.400000	19103	
11.30			461					
11.47			4930					
11.62	11.55	11.69	3237	8092	Aroclor-1242 Peak 3	0.400000	8092.500	
11.82			273					
11.91			2376					
11.97			2518					
12.06			2001					
12.43	12.36	12.50	3706	9262	Aroclor-1242 Peak 4	0.400000	9262.500	
12.49			1438					
12.63			2561					
12.72			3057					
12.96			1275					
13.10			313					
13.20			2678					
13.30			812					
13.39	13.32	13.46	4515	11288	Aroclor-1242 Peak 5	0.400000	11287	
13.46			4257					
13.63			207					
13.81			2818					
13.89			3385					
13.96			739					
14.39			756					
14.49			883					
14.59			574					
14.76			1518					
14.96			435					
15.02			461					

AHW
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CompuChem

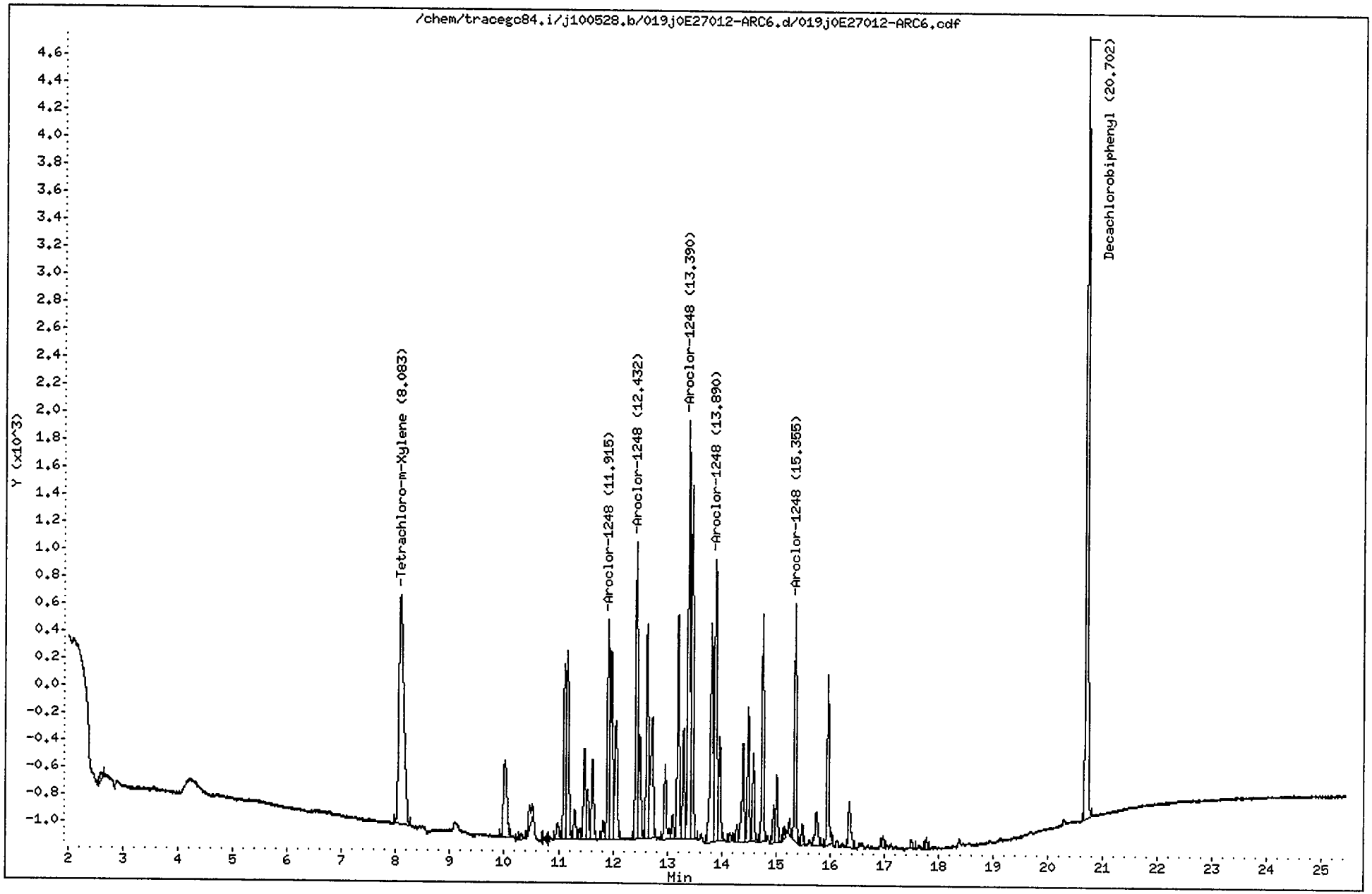
Lab Smp Id : 0E27012-ARC5 Client Smp Id : AR12423HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1242
Inj Date : 29-MAY-2010 01:03 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR12423HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.36		1704					
15.49		134					
15.74		349					
15.96		1315					
16.36		348					
17.78		130					
20.70	20.63 20.77	16204	408350	Decachlorobiphenyl	0.040000	403000	

Data File: /chem/tracegc84.i/j100528.b/019j0E27012-ARC6.d
Date : 29-MAY-2010 01:32
Client ID: AR12483HA
Sample Info: 0E27012-ARC6
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC6 Client Smp Id : AR12483HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1248
Inj Date : 29-MAY-2010 01:32 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR12483HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.57			26123					
2.59			199					
8.08	8.01	8.15	10582	522758	Tetrachloro-m-Xylene	0.020000	518200	
10.01			2614					
10.31			167					
10.47			703					
10.98			429					
11.11			3552					
11.16			4295					
11.30			638					
11.39			196					
11.48			1916					
11.53			1037					
11.63			1672					
11.82			396					
11.92	11.84	11.98	4449	11120	Aroclor-1248 Peak 1	0.400000	11120	
11.97			3850					
12.05			2890					
12.43	12.36	12.50	5968	14920	Aroclor-1248 Peak 2	0.400000	14920	
12.50			2000					
12.63			4254					
12.72			3299					
12.96			1648					
13.11			452					
13.20			4311					
13.30			2178					
13.39	13.32	13.46	8089	20220	Aroclor-1248 Peak 3	0.400000	20220	
13.46			6838					
13.81			5073					
13.89	13.82	13.96	6583	16458	Aroclor-1248 Peak 4	0.400000	16457	
13.96			1985					
14.16			160					
14.28			317					
14.39			2093					
14.49			2431					
14.58			1625					
14.76			4083					
14.96			726					
15.02			1270					
15.15			206					
15.25			263					
15.36	15.29	15.43	4153	10382	Aroclor-1248 Peak 5	0.400000	10383	

AHW
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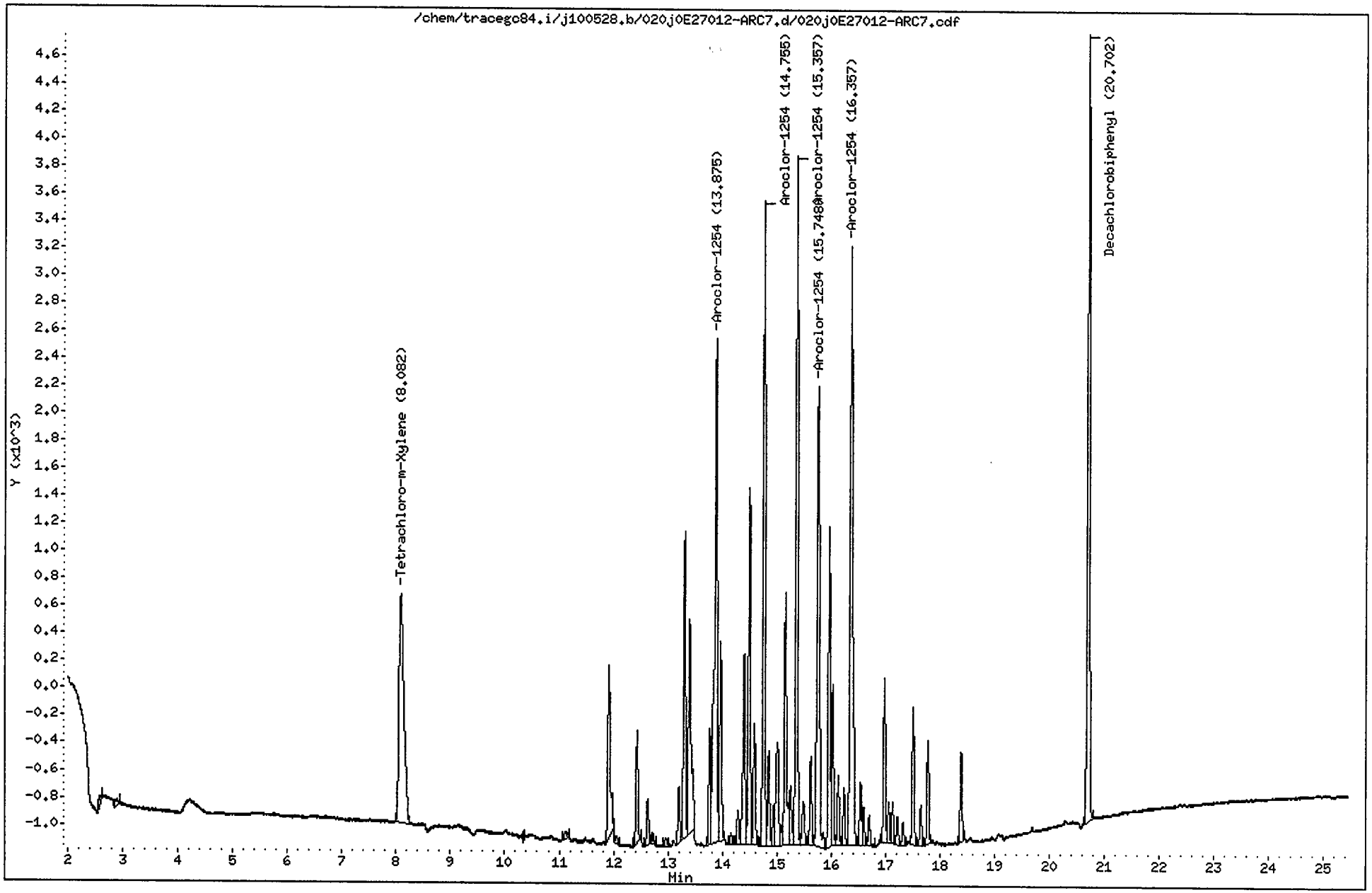
CompuChem

Lab Smp Id : 0E27012-ARC6 Client Smp Id : AR12483HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1248
Inj Date : 29-MAY-2010 01:32 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR12483HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.49		369					
15.75		890					
15.96		3202					
16.36		1104					
16.98		203					
17.50		168					
17.77		204					
20.70	20.63 20.77	15735	408350	Decachlorobiphenyl	0.040000	403000	

Data File: /chem/tracegc84.i/j100528.b/020j0E27012-ARC7.d
Date : 29-MAY-2010 02:01
Client ID: AR12543HA
Sample Info: 0E27012-ARC7
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i
Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC7 Client Smp Id : AR12543HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1254
Inj Date : 29-MAY-2010 02:01 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR12543HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.57		3467					
2.60		226					
2.88		166					
8.08	8.01 8.15	10470	522758	Tetrachloro-m-Xylene	0.020000	518200	
11.11		211					
11.91		3962					
12.05		128					
12.43		2100					
12.63		859					
12.72		192					
12.96		157					
13.20		1002					
13.30		5700					
13.39		5431					
13.77		2080					
13.88	13.80 13.94	12324	30808	Aroclor-1254 Peak 1	0.400000	30807	
13.96		3770					
14.16		194					
14.28		607					
14.39		3914					
14.49		6797					
14.58		2204					
14.76	14.69 14.83	11839	29595	Aroclor-1254 Peak 2	0.400000	29595	
14.85		1701					
14.94		672					
15.01		2782					
15.08		305					
15.15		5184					
15.25		1211					
15.36	15.29 15.43	12857	32140	Aroclor-1254 Peak 3	0.400000	32140	
15.49		979					
15.63		1563					
15.75	15.68 15.82	11314	28282	Aroclor-1254 Peak 4	0.400000	28283	
15.96		5720					
16.02		2833					
16.13		1225					
16.23		983					
16.36	16.29 16.43	14550	36372	Aroclor-1254 Peak 5	0.400000	36373	
16.54		1171					
16.59		635					
16.70		560					
16.98		2984					

AHW
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CompuChem

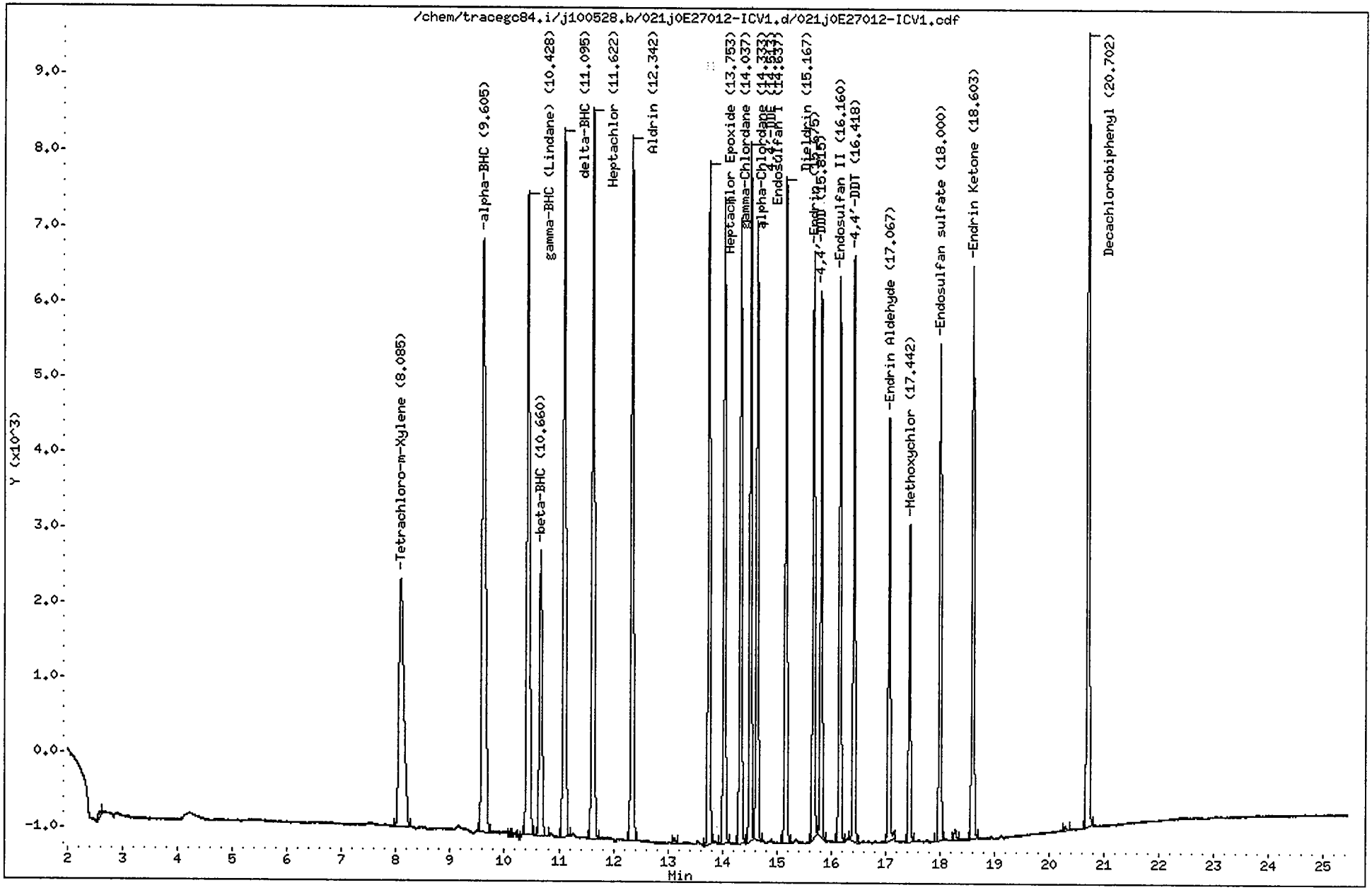
Lab Smp Id : 0E27012-ARC7 Client Smp Id : AR12543HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1254
Inj Date : 29-MAY-2010 02:01 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : AR12543HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
17.06		685					
17.13		691					
17.21		479					
17.32		400					
17.51		2421					
17.65		710					
17.78		1824					
18.39		1563					
20.70	20.63 20.77	15780	408350	Decachlorobiphenyl	0.040000	403000	

Data File: /chem/tracegc84.i/j100528.b/021j0E27012-ICV1.d
Date : 29-MAY-2010 02:30
Client ID: PESTCHKHA
Sample Info: 0E27012-ICV1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ICV1 Client Smp Id : PESTCHKHA
Sample Type : QCCHECK Sublist : INDA
Inj Date : 29-MAY-2010 02:30 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : INDAchek
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : PESTCHKHA

RT	AREA
1.45	168
1.56	2609
2.59	185
8.09	20838
9.61	33942
10.07	164
10.43	30684
10.66	12917
11.10	30106
11.62	30001
12.34	27087
13.12	178
13.75	24133
14.04	22702
14.33	21763
14.51	22736
14.64	21593
15.17	22758
15.68	19965
15.81	17360
16.16	19654
16.42	18918
17.07	14675
17.44	10202
18.00	17176
18.28	398
18.60	20204
20.29	150
20.70	29005

AHW
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Data File: /chem/tracegc84.i/j100528.b/022j0E27012-ICV2.d

Date : 29-MAY-2010 02:59

Client ID: PCBCHKHA

Sample Info: 0E27012-ICV2

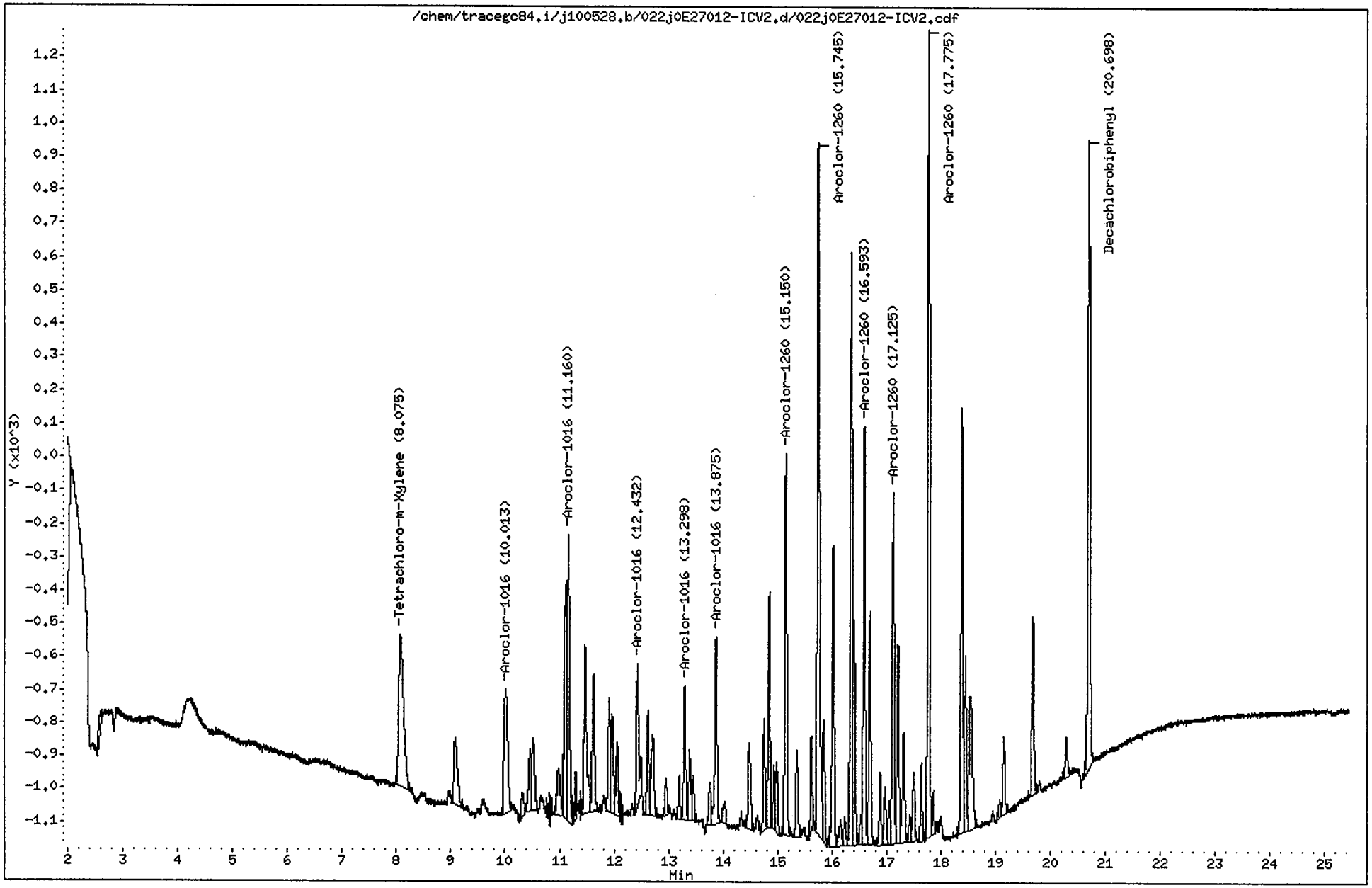
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ICV2 Client Smp Id : PCBCHKHA
Sample Type : QCCHECK Sublist : AR1660
Inj Date : 29-MAY-2010 02:59 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : AR1660OVchk
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : PCBCHKHA

RT	AREA
1.44	148
1.55	28239
2.61	180
8.07	2833
9.09	935
10.01	1774
10.32	262
10.46	595
10.52	780
10.98	605
11.12	1964
11.16	2804
11.31	251
11.47	1783
11.63	1199
11.91	764
11.97	958
12.06	674
12.43	1335
12.63	810
12.72	939
12.95	279
13.20	338
13.30	1039
13.39	557
13.46	354
13.76	334
13.87	1523
14.00	217
14.48	843
14.75	783
14.85	1665
14.94	433
14.98	491
15.15	2903
15.36	718
15.62	648
15.74	5974
15.85	942
16.02	2326
16.16	291
16.23	215
16.35	4828
16.41	1636
16.54	191

AHW
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CompuChem

Lab Smp Id : 0E27012-ICV2 Client Smp Id : PCBCHKHA
Sample Type : QCCHECK Sublist : AR1660
Inj Date : 29-MAY-2010 02:59 Inst ID :
Operator : AHW Spike Sublist : AR1660OVchk
Method : /chem/tracegc84.i/j100528.b/8081A_clpestv6.m
Misc. Info : PCBCHKHA

RT	AREA
16.59	3115
16.70	1706
16.89	547
16.98	453
17.06	313
17.13	2630
17.21	1466
17.32	945
17.43	235
17.50	509
17.64	566
17.77	6042
17.87	287
18.39	3239
18.45	1267
18.54	1739
19.07	133
19.15	605
19.68	1320
20.29	320
20.70	5181

Data File: /chem/tracegc84.i/j100528_2C.b/003j0E27012-PEM1.d

Date : 28-MAY-2010 17:49

Client ID: PEMHA

Sample Info: 0E27012-PEM1

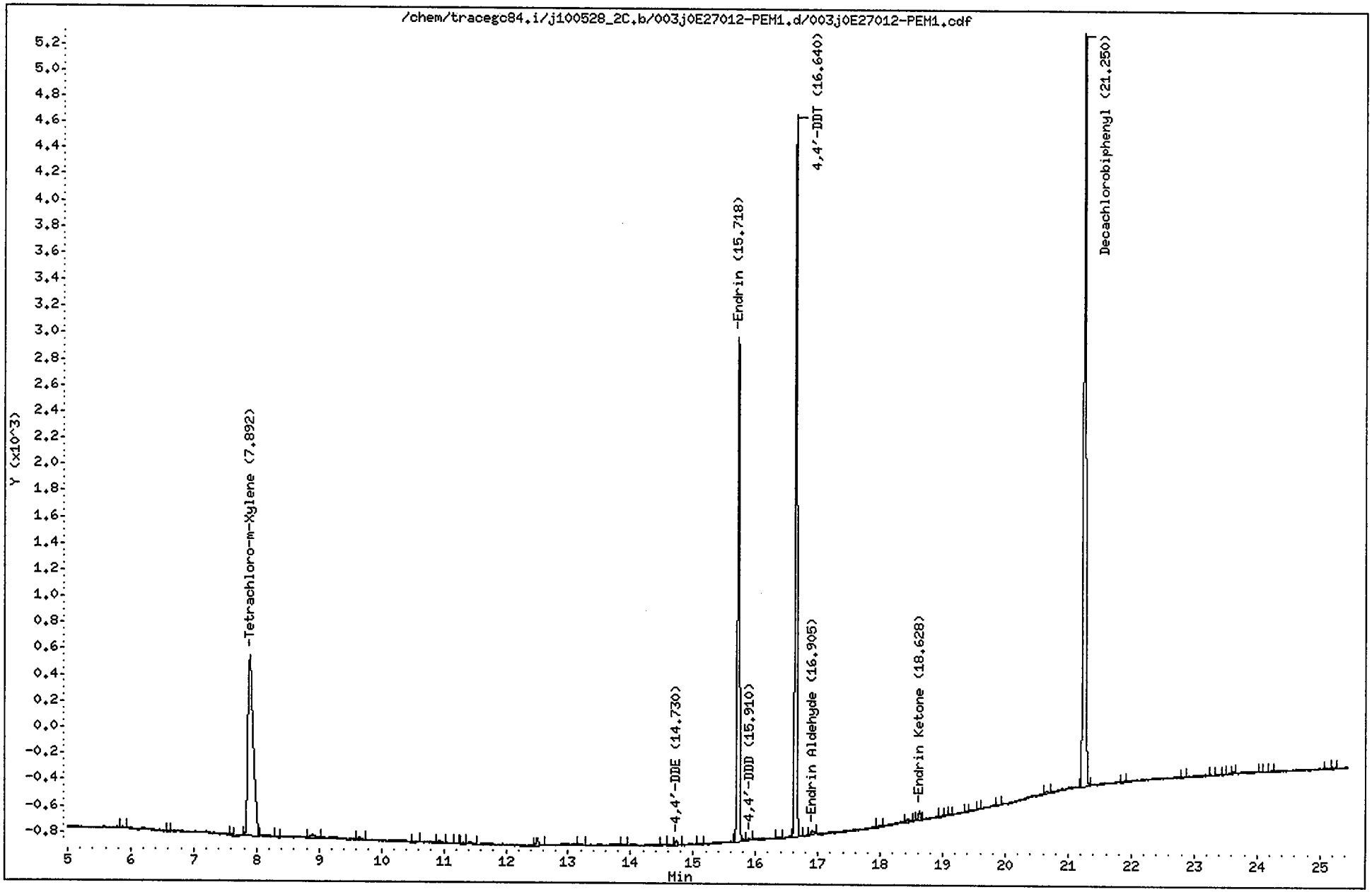
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: System

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-PEM1 Client Smp Id : PEMHA
Sample Type : SAMPLE Sublist : PEM
Inj Date : 28-MAY-2010 17:49 Inst ID : TRACEGC84
Operator : System
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : PEMHA

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
0.33			46								
0.39			31								
1.04			46								
1.40			153								
1.54			18183								
1.87			12847								
2.51			425								
2.64			78								
3.38			29								
3.43			32								
3.47			85								
4.40			27								
5.87			29								
6.60			22								
7.59			38								
7.89	7.82	7.96	8163	416798	Tetrachloro-m-Xylene	0.019585	0.019585		98.9	43 - 135	
8.30			22								
8.90			131								
9.64			83								
10.50			31								
10.92			73								
11.19			23								
11.32			29								
11.42			65								
12.50			174								
13.20			44								
13.91			43								
14.52			32								
14.73	14.67	14.81	94	468602	4,4'-DDE	0.000202	0.000202	0.020000			J
15.13			32								
15.72	15.65	15.79	8924	408649	Endrin	0.021839	0.021839	0.020000			
15.91	15.91	16.05	31	340626	4,4'-DDD	0.000090	0.000090	0.020000			J
16.35			38								
16.64	16.57	16.71	11745	405929	4,4'-DDT	0.028933	0.028933	0.020000			
16.90	16.83	16.97	101	316985	Endrin Aldehyde	0.000317	0.000317	0.020000			J
18.02			40								
18.43			82								

AHW
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CompuChem

Lab Smp Id : 0E27012-PEM1 Client Smp Id : PEMHA
Sample Type : SAMPLE Sublist : PEM
Inj Date : 28-MAY-2010 17:49 Inst ID :
Operator : System
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : PEMHA

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
18.63	18.56 18.70	175	419519	Endrin Ketone	0.000416	0.000416	0.020000			J
19.02		24								
19.11		24								
19.38		24								
19.59		21								
19.89		23								
20.65		75								
21.25	21.18 21.32	15537	406698	Decachlorobiphenyl	0.038202	0.038202		96.5	43 - 144	
21.86		24								
22.82		29								
23.27		32								
23.47		21								
23.61		22								
24.05		21								
24.23		24								
25.12		27								
25.21		34								

Data File: /chem/tracegc84.i/j100528_2C.b/004j0E27012-CAL1.d

Date : 28-MAY-2010 18:18

Client ID: INDC1HA

Sample Info: 0E27012-CAL1

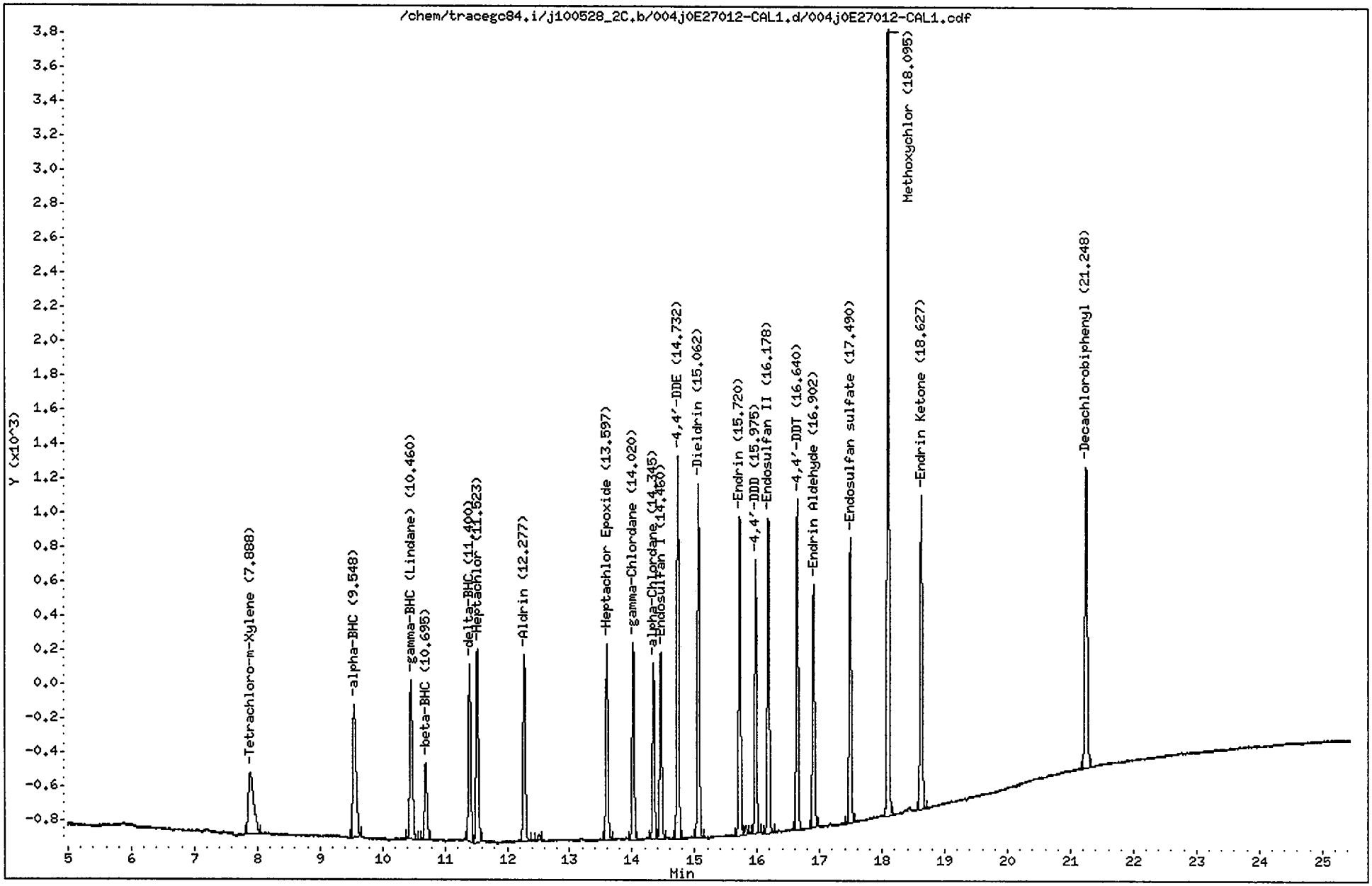
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL1 Client Smp Id : INDC1HA
Sample Type : INITIAL CAL: Level 1 Sublist : INDA
Inj Date : 28-MAY-2010 18:18 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : INDC1HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.55			166382					
7.89	7.82	7.96	2147	416798	Tetrachloro-m-Xylene	0.005000	429200	
9.55	9.48	9.62	2811	607758	alpha-BHC	0.005000	562000	
10.46	10.39	10.53	2794	585542	gamma-BHC (Lindane)	0.005000	558800	
10.70	10.63	10.77	1258	248610	beta-BHC	0.005000	251400	
11.40	11.33	11.47	2626	551235	delta-BHC	0.005000	525200	
11.52	11.45	11.59	3024	579497	Heptachlor	0.005500	549636	
12.28	12.21	12.35	2716	542192	Aldrin	0.005000	543000	
12.50			97					
13.60	13.53	13.67	2645	511912	Heptachlor Epoxide	0.005000	529000	
14.02	13.95	14.09	2635	513150	gamma-Chlordane	0.005000	526800	
14.34	14.28	14.42	2318	446248	alpha-Chlordane	0.005000	463600	
14.46	14.39	14.53	2487	477982	Endosulfan I	0.005000	497200	
14.73	14.66	14.80	4824	468602	4,4'-DDE	0.010000	482400	
15.06	14.99	15.13	4658	461929	Dieldrin	0.010000	465800	
15.72	15.65	15.79	4218	408649	Endrin	0.010000	421800	
15.82			116					
15.98	15.90	16.04	3337	340626	4,4'-DDD	0.010000	333600	
16.18	16.11	16.25	4221	404930	Endosulfan II	0.010000	422000	
16.64	16.57	16.71	4145	405929	4,4'-DDT	0.010000	414500	
16.90	16.83	16.97	3257	316985	Endrin Aldehyde	0.010000	325700	
17.49	17.42	17.56	3848	366674	Endosulfan sulfate	0.010000	384700	
18.10	18.02	18.16	10091	182916	Methoxychlor	0.050000	201820	
18.63	18.56	18.70	4349	419519	Endrin Ketone	0.010000	434900	
21.25	21.18	21.32	4660	406698	Decachlorobiphenyl	0.010000	466000	

AHW
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Data File: /chem/tracegc84.i/j100528_2C.b/005j0E27012-CAL2.d

Date : 28-MAY-2010 18:47

Client ID: INDC2HA

Sample Info: 0E27012-CAL2

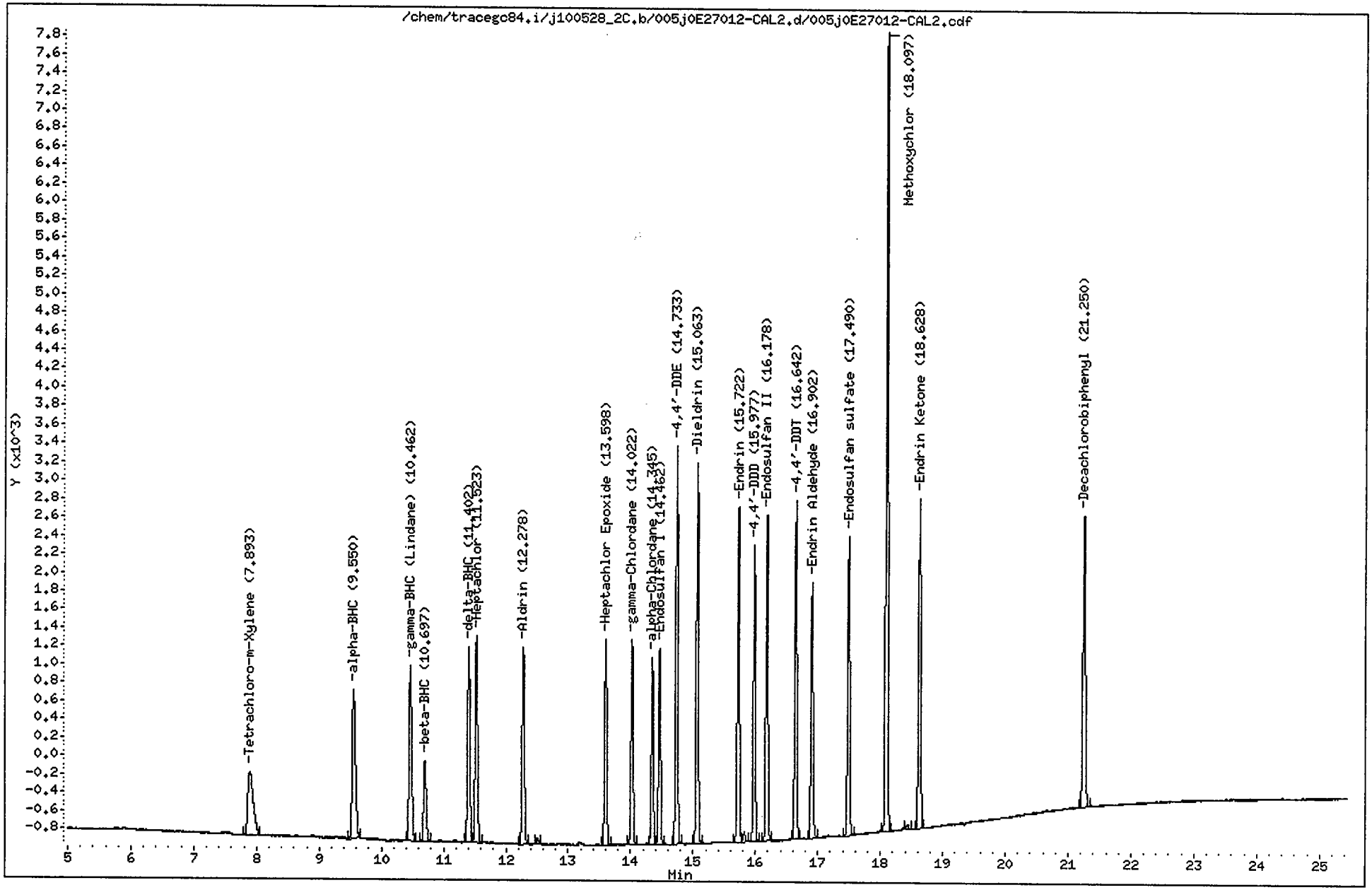
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL2 Client Smp Id : INDC2HA
Sample Type : INITIAL CAL: Level 2 Sublist : INDA
Inj Date : 28-MAY-2010 18:47 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : INDC2HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.53			2120					
2.52			304					
7.89	7.82	7.96	4247	416798	Tetrachloro-m-Xylene	0.010000	424600	
9.55	9.48	9.62	5894	607758	alpha-BHC	0.010000	589300	
10.46	10.39	10.53	5716	585542	gamma-BHC (Lindane)	0.010000	571500	
10.70	10.63	10.77	2564	248610	beta-BHC	0.010000	256400	
11.40	11.33	11.47	5349	551235	delta-BHC	0.010000	534800	
11.52	11.45	11.59	5947	579497	Heptachlor	0.010000	594700	
12.28	12.21	12.35	5435	542192	Aldrin	0.010000	543500	
12.50			161					
13.60	13.53	13.67	5194	511912	Heptachlor Epoxide	0.010000	519400	
14.02	13.95	14.09	5210	513150	gamma-Chlordane	0.010000	521000	
14.34	14.28	14.42	4548	446248	alpha-Chlordane	0.010000	454800	
14.46	14.39	14.53	4888	477982	Endosulfan I	0.010000	488700	
14.73	14.66	14.80	9552	468602	4,4'-DDE	0.020000	477550	
15.06	14.99	15.13	9337	461929	Dieldrin	0.020000	466850	
15.72	15.65	15.79	8306	408649	Endrin	0.020000	415300	
15.82			244					
15.98	15.90	16.04	6800	340626	4,4'-DDD	0.020000	340000	
16.18	16.11	16.25	8219	404930	Endosulfan II	0.020000	410950	
16.64	16.57	16.71	8173	405929	4,4'-DDT	0.020000	408650	
16.90	16.83	16.97	6539	316985	Endrin Aldehyde	0.020000	326950	
17.49	17.42	17.56	7594	366674	Endosulfan sulfate	0.020000	379650	
18.10	18.02	18.16	19317	182916	Methoxychlor	0.100000	193160	
18.43			117					
18.63	18.56	18.70	8591	419519	Endrin Ketone	0.020000	429550	
21.25	21.18	21.32	8657	406698	Decachlorobiphenyl	0.020000	432800	

AHW
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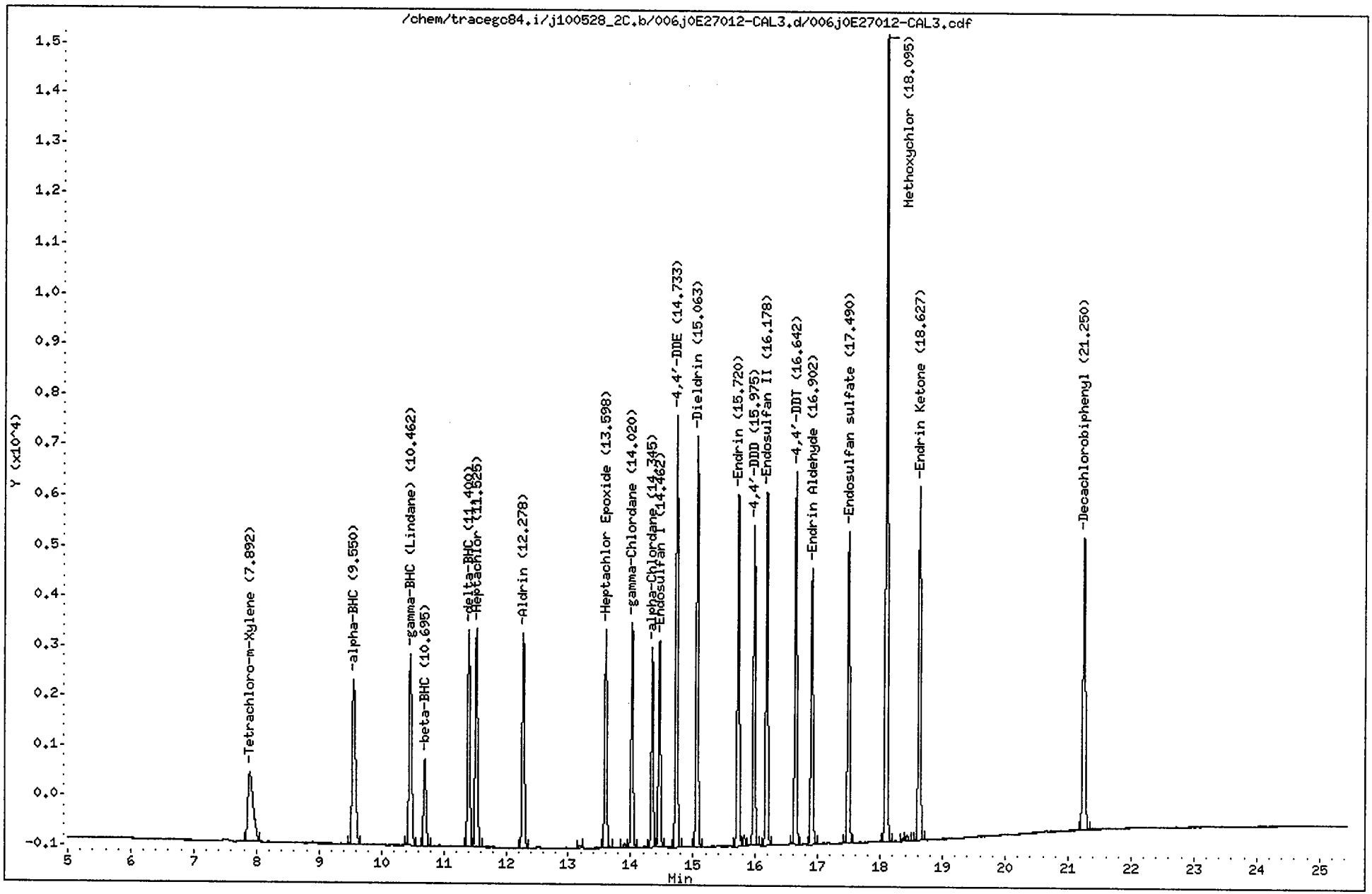
Data File: /chem/tracegc84.i/j100528_2C.b/006j0E27012-CAL3.d
Date : 28-MAY-2010 19:16
Client ID: INDC3HA
Sample Info: 0E27012-CAL3
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL3 Client Smp Id : INDC3HA
Sample Type : INITIAL CAL: Level 3 Sublist : INDA
Inj Date : 28-MAY-2010 19:16 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.55			9200					
7.89	7.82	7.96	8217	416798	Tetrachloro-m-Xylene	0.020000	410850	
9.55	9.48	9.62	12016	607758	alpha-BHC	0.020000	600750	
10.46	10.39	10.53	11630	585542	gamma-BHC (Lindane)	0.020000	581500	
10.70	10.63	10.77	4934	248610	beta-BHC	0.020000	246700	
11.40	11.33	11.47	10892	551235	delta-BHC	0.020000	544550	
11.52	11.45	11.59	11696	579497	Heptachlor	0.020000	584800	
12.28	12.21	12.35	10756	542192	Aldrin	0.020000	537750	
13.19			100					
13.60	13.53	13.67	10199	511912	Heptachlor Epoxide	0.020000	509950	
13.90			176					
14.02	13.95	14.09	10171	513150	gamma-Chlordane	0.020000	508500	
14.34	14.28	14.42	8836	446248	alpha-Chlordane	0.020000	441750	
14.46	14.39	14.53	9497	477982	Endosulfan I	0.020000	474850	
14.73	14.66	14.80	18602	468602	4,4'-DDE	0.040000	465050	
15.06	14.99	15.13	18401	461929	Dieldrin	0.040000	460025	
15.72	15.65	15.79	16199	408649	Endrin	0.040000	404950	
15.82			464					
15.98	15.90	16.04	13584	340626	4,4'-DDD	0.040000	339575	
16.18	16.11	16.25	16125	404930	Endosulfan II	0.040000	403100	
16.64	16.57	16.71	16039	405929	4,4'-DDT	0.040000	400975	
16.90	16.83	16.97	12919	316985	Endrin Aldehyde	0.040000	322975	
17.49	17.42	17.56	14549	366674	Endosulfan sulfate	0.040000	363725	
18.10	18.02	18.16	36356	182916	Methoxychlor	0.200000	181780	
18.37			120					
18.44			273					
18.63	18.56	18.70	16766	419519	Endrin Ketone	0.040000	419150	
21.25	21.18	21.32	16045	406698	Decachlorobiphenyl	0.040000	401125	

AHW
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Data File: /chem/tracegc84.i/j100528_2C.b/007j0E27012-CAL4.d

Date : 28-MAY-2010 19:45

Client ID: INDC4HA

Sample Info: 0E27012-CAL4

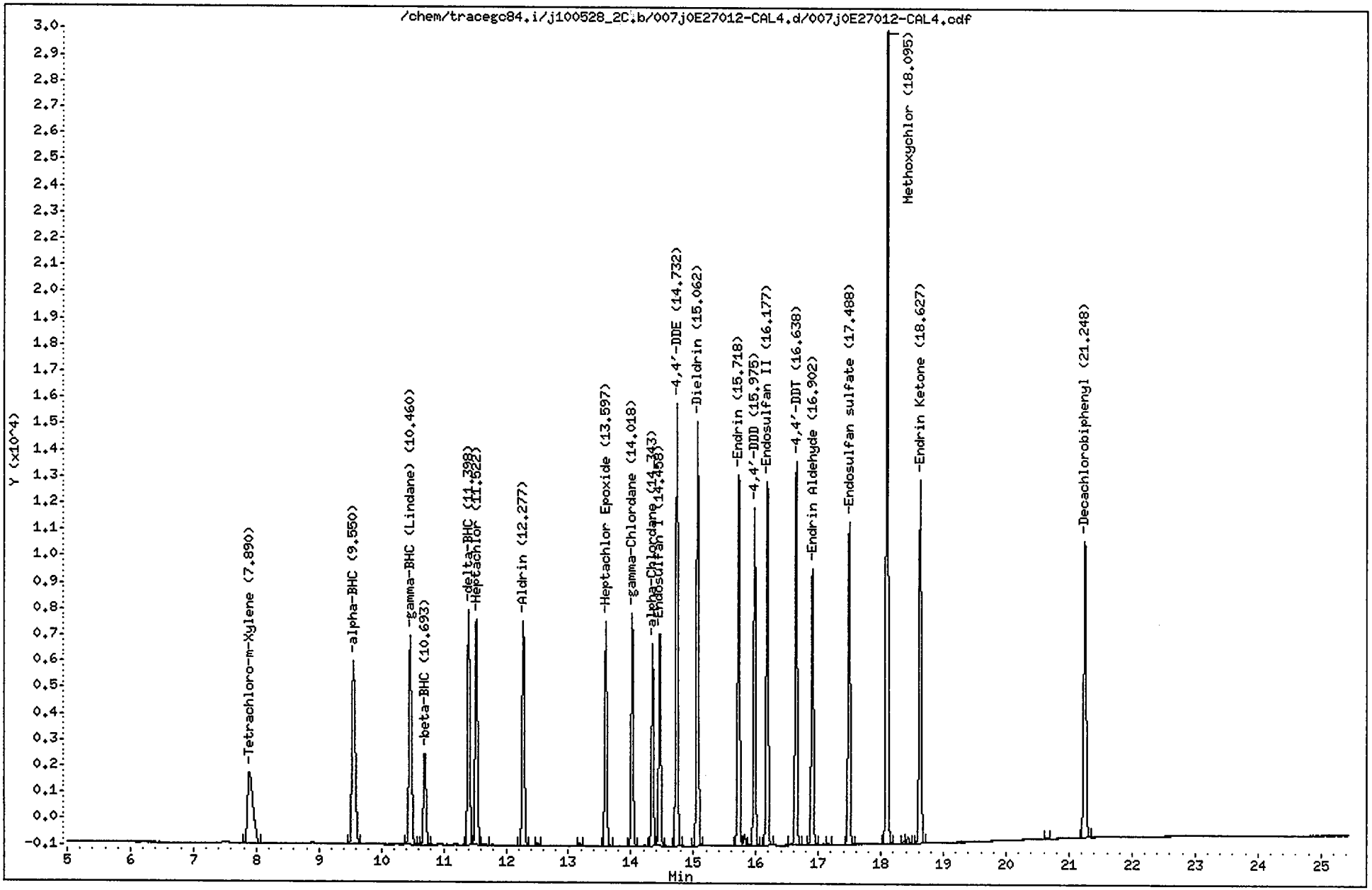
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL4 Client Smp Id : INDC4HA
Sample Type : INITIAL CAL: Level 4 Sublist : INDA
Inj Date : 28-MAY-2010 19:45 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : INDC4HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.53			1592					
1.89			111					
7.89	7.82	7.96	16462	416798	Tetrachloro-m-Xylene	0.040000	411550	
9.55	9.48	9.62	25250	607758	alpha-BHC	0.040000	631250	
10.46	10.39	10.53	24030	585542	gamma-BHC (Lindane)	0.040000	600750	
10.69	10.63	10.77	9831	248610	beta-BHC	0.040000	245775	
11.40	11.33	11.47	22708	551235	delta-BHC	0.040000	567700	
11.52	11.45	11.59	23390	579497	Heptachlor	0.040000	584750	
11.65			96					
12.28	12.21	12.35	21683	542192	Aldrin	0.040000	542075	
12.51			211					
13.18			211					
13.60	13.53	13.67	20154	511912	Heptachlor Epoxide	0.040000	503825	
14.02	13.95	14.09	20242	513150	gamma-Chlordane	0.040000	506025	
14.34	14.28	14.42	17517	446248	alpha-Chlordane	0.040000	437925	
14.46	14.39	14.53	18759	477982	Endosulfan I	0.040000	468950	
14.73	14.66	14.80	36881	468602	4,4'-DDE	0.080000	461000	
15.06	14.99	15.13	36815	461929	Dieldrin	0.080000	460187	
15.72	15.65	15.79	32210	408649	Endrin	0.080000	402613	
15.81			989					
15.90			118					
15.98	15.90	16.04	27530	340626	4,4'-DDD	0.080000	344113	
16.18	16.11	16.25	31797	404930	Endosulfan II	0.080000	397450	
16.64	16.57	16.71	32317	405929	4,4'-DDT	0.080000	403963	
16.90	16.83	16.97	24671	316985	Endrin Aldehyde	0.080000	308375	
17.16			112					
17.49	17.42	17.56	28535	366674	Endosulfan sulfate	0.080000	356675	
18.10	18.02	18.16	69200	182916	Methoxychlor	0.400000	172997	
18.37			235					
18.43			514					
18.63	18.56	18.70	32900	419519	Endrin Ketone	0.080000	411237	
20.65			108					
21.25	21.18	21.32	30128	406698	Decachlorobiphenyl	0.080000	376587	

AHW
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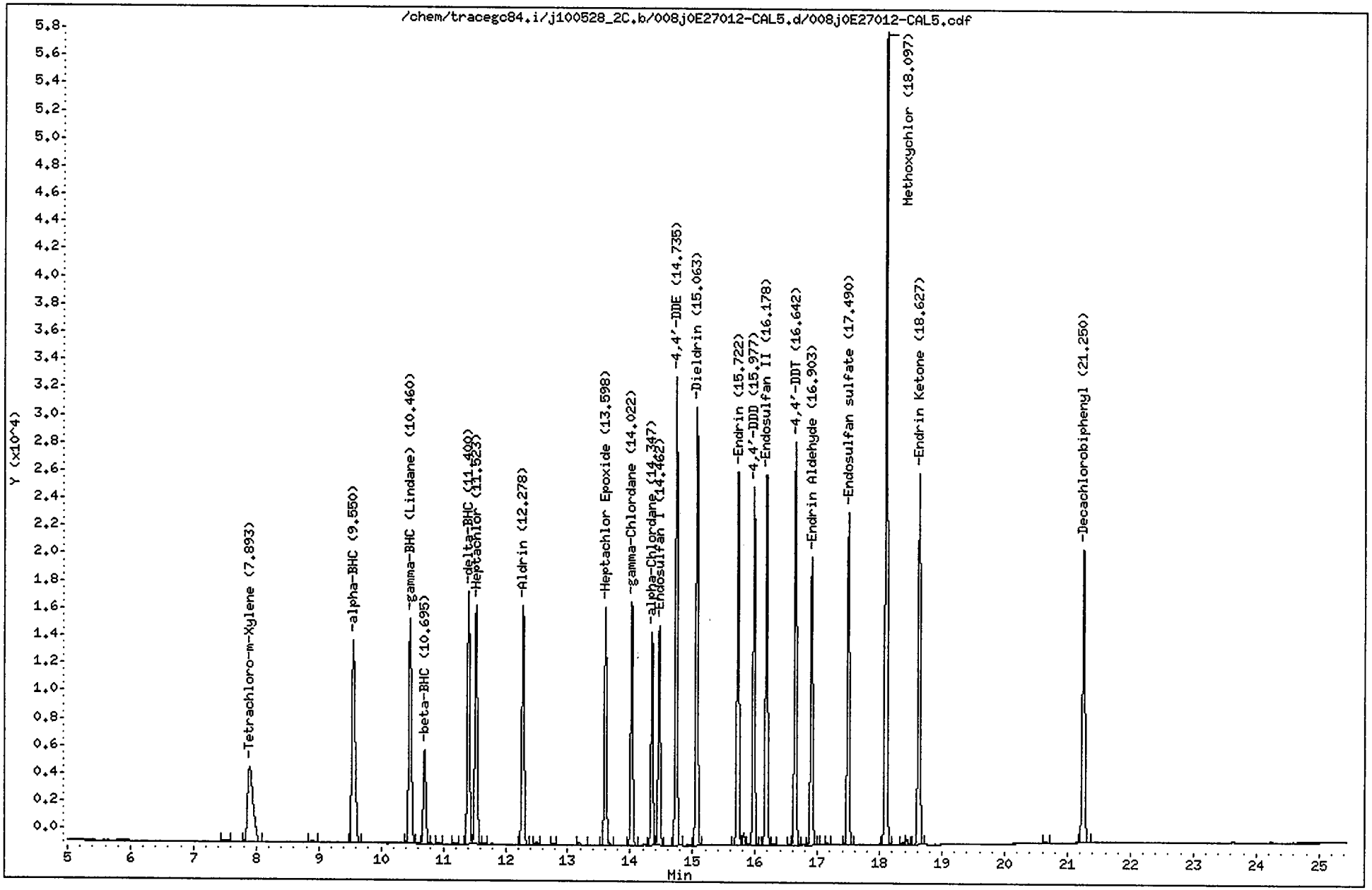
Data File: /chem/tracegc84.i/j100528_2C.b/008j0E27012-CAL5.d
Date : 28-MAY-2010 20:14
Client ID: INDC5HA
Sample Info: 0E27012-CAL5
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL5 Client Smp Id : INDC5HA
Sample Type : INITIAL CAL: Level 5 Sublist : INDA
Inj Date : 28-MAY-2010 20:14 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : INDC5HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.54			2486					
2.53			230					
7.51			428					
7.89	7.82	7.96	32623	416798	Tetrachloro-m-Xylene	0.080000	407787	
8.90			328					
9.55	9.48	9.62	52439	607758	alpha-BHC	0.080000	655487	
10.46	10.39	10.53	49213	585542	gamma-BHC (Lindane)	0.080000	615163	
10.70	10.63	10.77	19423	248610	beta-BHC	0.080000	242775	
10.93			190					
11.19			147					
11.40	11.33	11.47	46715	551235	delta-BHC	0.080000	583925	
11.52	11.45	11.59	46688	579497	Heptachlor	0.080000	583600	
11.65			184					
12.28	12.21	12.35	43572	542192	Aldrin	0.080000	544637	
12.50			437					
12.77			133					
13.19			519					
13.60	13.53	13.67	39791	511912	Heptachlor Epoxide	0.080000	497387	
14.02	13.95	14.09	40275	513150	gamma-Chlordane	0.080000	503425	
14.35	14.28	14.42	34653	446248	alpha-Chlordane	0.080000	433163	
14.46	14.39	14.53	36817	477982	Endosulfan I	0.080000	460213	
14.74	14.66	14.80	73122	468602	4,4'-DDE	0.160000	457013	
15.06	14.99	15.13	73085	461929	Dieldrin	0.160000	456781	
15.72	15.65	15.79	63773	408649	Endrin	0.160000	398581	
15.82			1952					
15.91			219					
15.98	15.90	16.04	55335	340626	4,4'-DDD	0.160000	345844	
16.18	16.11	16.25	62585	404930	Endosulfan II	0.160000	391150	
16.30			151					
16.58			211					
16.64	16.57	16.71	64250	405929	4,4'-DDT	0.160000	401556	
16.90	16.83	16.97	48148	316985	Endrin Aldehyde	0.160000	300925	
17.09			129					
17.16			257					
17.49	17.42	17.56	55780	366674	Endosulfan sulfate	0.160000	348619	
18.10	18.02	18.16	131857	182916	Methoxychlor	0.800000	164821	
18.37			461					
18.43			964					
18.63	18.56	18.70	64442	419519	Endrin Ketone	0.160000	402756	
20.65			203					
21.25	21.18	21.32	57117	406698	Decachlorobiphenyl	0.160000	356975	

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Data File: /chem/tracegc84.i/j100528_2C.b/009j0E27012-ARC1.d

Date : 28-MAY-2010 20:43

Client ID: TOXAPH3HA

Sample Info: 0E27012-ARC1

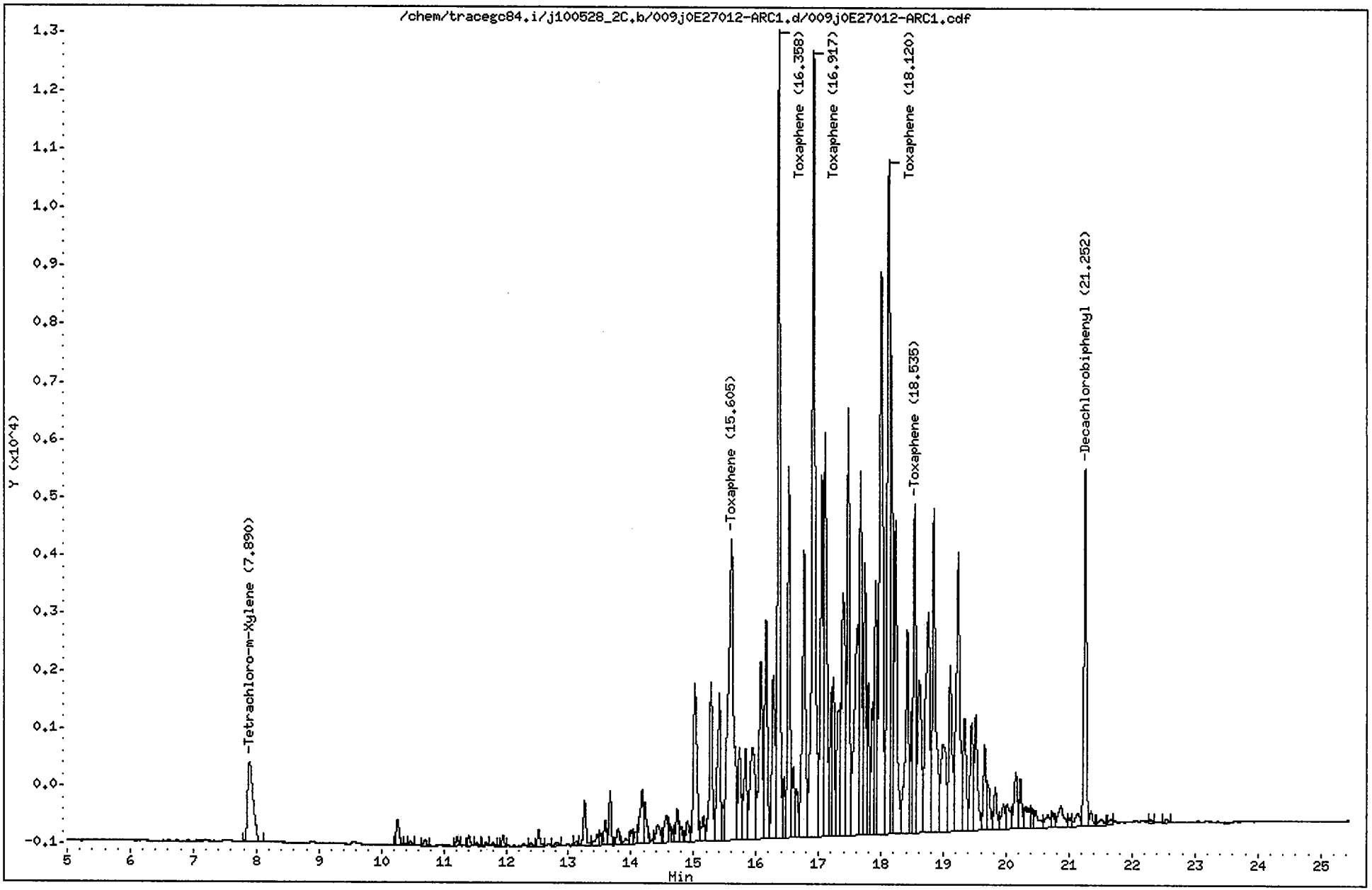
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC1 Client Smp Id : TOXAPH3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 28-MAY-2010 20:43 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : TOXAPH3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.54		7141					
1.88		103					
7.89	7.82 7.96	8419	416798	Tetrachloro-m-Xylene	0.020000	410850	2M
10.26		1459					
10.46		208					
10.70		299					
11.22		459					
11.40		512					
11.53		145					
11.68		167					
11.80		188					
11.95		441					
12.41		151					
12.52		803					
12.82		207					
13.12		237					
13.26		2432					
13.46		686					
13.51		498					
13.58		1233					
13.67		2283					
13.79		843					
13.93		392					
14.00		788					
14.08		617					
14.18		3565					
14.22		2095					
14.43		1563					
14.57		1798					
14.68		525					
14.74		1804					
14.80		660					
14.90		1187					
15.02		10695					
15.16		1578					
15.28		9239					
15.41		9242					
15.47		1294					
15.60	15.54 15.68	30398	15199	Toxaphene Peak 1	2.000000	15199	
15.73		5274					
15.83		5640					
15.94		9231					

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CompuChem

Lab Smp Id : 0E27012-ARC1 Client Smp Id : TOXAPH3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 28-MAY-2010 20:43 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : TOXAPH3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
16.07		11864					
16.16		11950					
16.27		9340					
16.36	16.29 16.43	37653	18826	Toxaphene Peak 2	2.000000	18827	
16.45		2790					
16.52		17354					
16.59		3610					
16.65		2401					
16.76		17971					
16.92	16.85 16.99	46567	23283	Toxaphene Peak 3	2.000000	23283	
17.05		17007					
17.10		23225					
17.20		5819					
17.23		6986					
17.32		8912					
17.39		17609					
17.47		20639					
17.62		17534					
17.67		17677					
17.74		12771					
17.79		6644					
17.86		5732					
17.91		11742					
18.00		38256					
18.12	18.05 18.19	38153	19076	Toxaphene Peak 4	2.000000	19077	
18.16		19458					
18.23		17062					
18.42		13115					
18.49		4584					
18.54	18.47 18.61	15591	7795	Toxaphene Peak 5	2.000000	7795.000	
18.61		11386					
18.75		18785					
18.84		19732					
18.99		9439					
19.11		9966					
19.23		20826					
19.34		6962					
19.45		6510					
19.51		6983					
19.66		4758					
19.72		2518					
19.82		2516					

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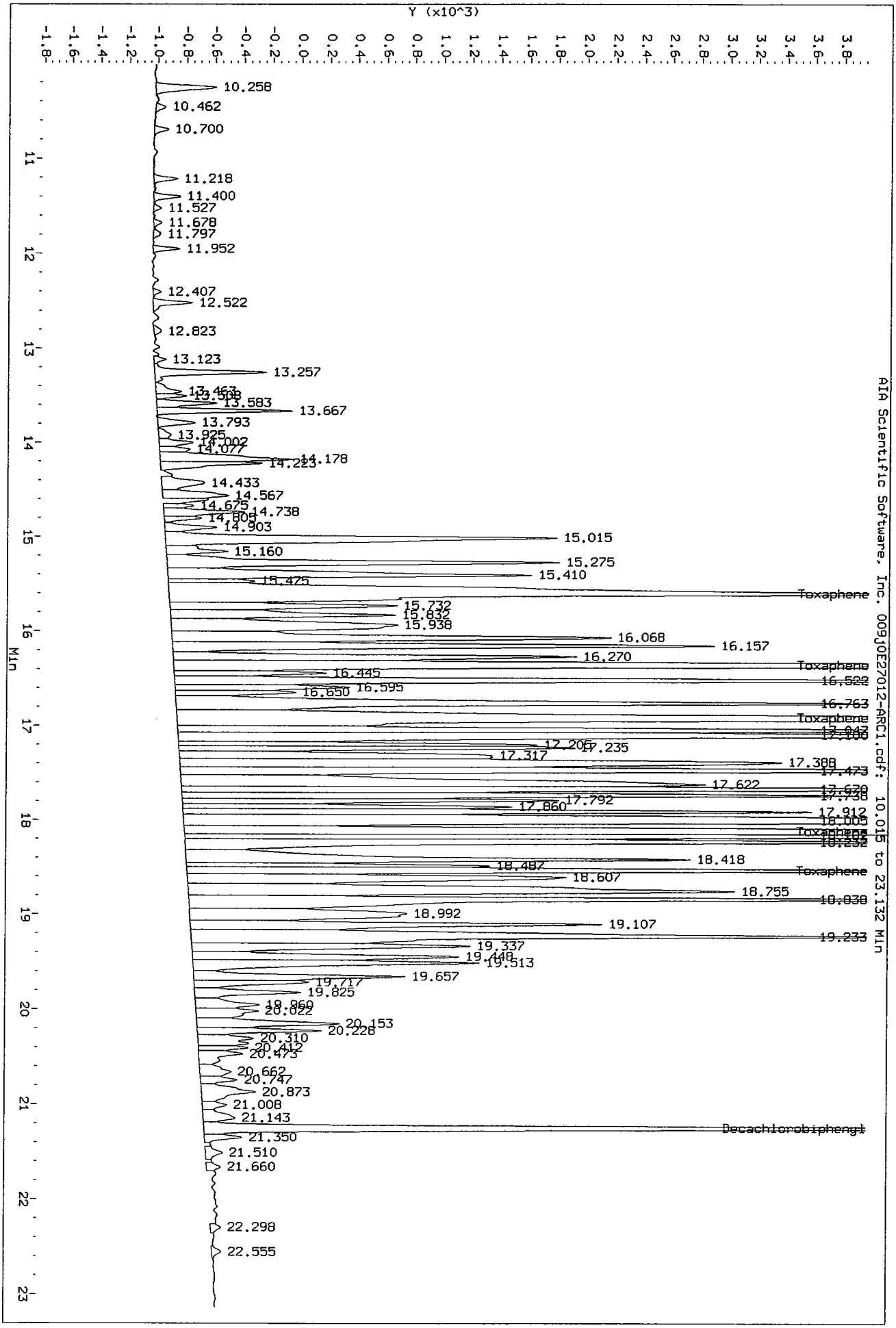
CompuChem

Lab Smp Id : 0E27012-ARC1 Client Smp Id : TOXAPH3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TOXAPH
Inj Date : 28-MAY-2010 20:43 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : TOXAPH3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
19.96		1913					
20.02		2121					
20.15		3656					
20.23		2488					
20.31		2130					
20.41		943					
20.47		1540					
20.66		1218					
20.75		865					
20.87		2317					
21.01		628					
21.14		1203					
21.25	21.18 21.32	17006	406698	Decachlorobiphenyl	0.040000	401125	
21.35		825					
21.51		591					
21.66		386					
22.30		288					
22.55		264					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Injection Date: 28-MAY-2010 20:43
Instrument: tracegc84.i
Client Sample ID: TOXAPH3HA
Y (x10^3)
Min
AIA Scientific Software, Inc. 009j0E27012-ARC1.cdf: 10.015 to 23.132 Min
10.258
10.462
10.700
11.218
11.400
11.527
11.678
11.797
11.952
12.407
12.522
12.823
13.123
13.257
13.583
13.667
13.793
13.925
14.178
14.433
14.567
14.675
14.738
14.903
15.015
15.160
15.275
15.410
15.425
Toxaphene
15.732
15.938
16.068
16.157
16.270
Toxaphene
16.445
16.522
16.650
16.595
16.763
Toxaphene
17.205
17.235
17.317
17.388
17.473
17.622
17.792
17.860
17.912
Toxaphene
18.418
18.487
Toxaphene
18.607
18.755
18.992
19.107
19.233
19.337
19.448
19.513
19.657
19.717
19.825
20.022
20.153
20.228
20.310
20.412
20.473
20.662
20.747
20.873
21.008
21.143
Decachlorobiphenyl
21.350
21.510
21.660
22.298
22.555

Data File: /chem/tracegc84.i/j100528_2C.b/010j0E27012-ARC2.d

Date : 28-MAY-2010 21:11

Client ID: CHLORO3HA

Sample Info: 0E27012-ARC2

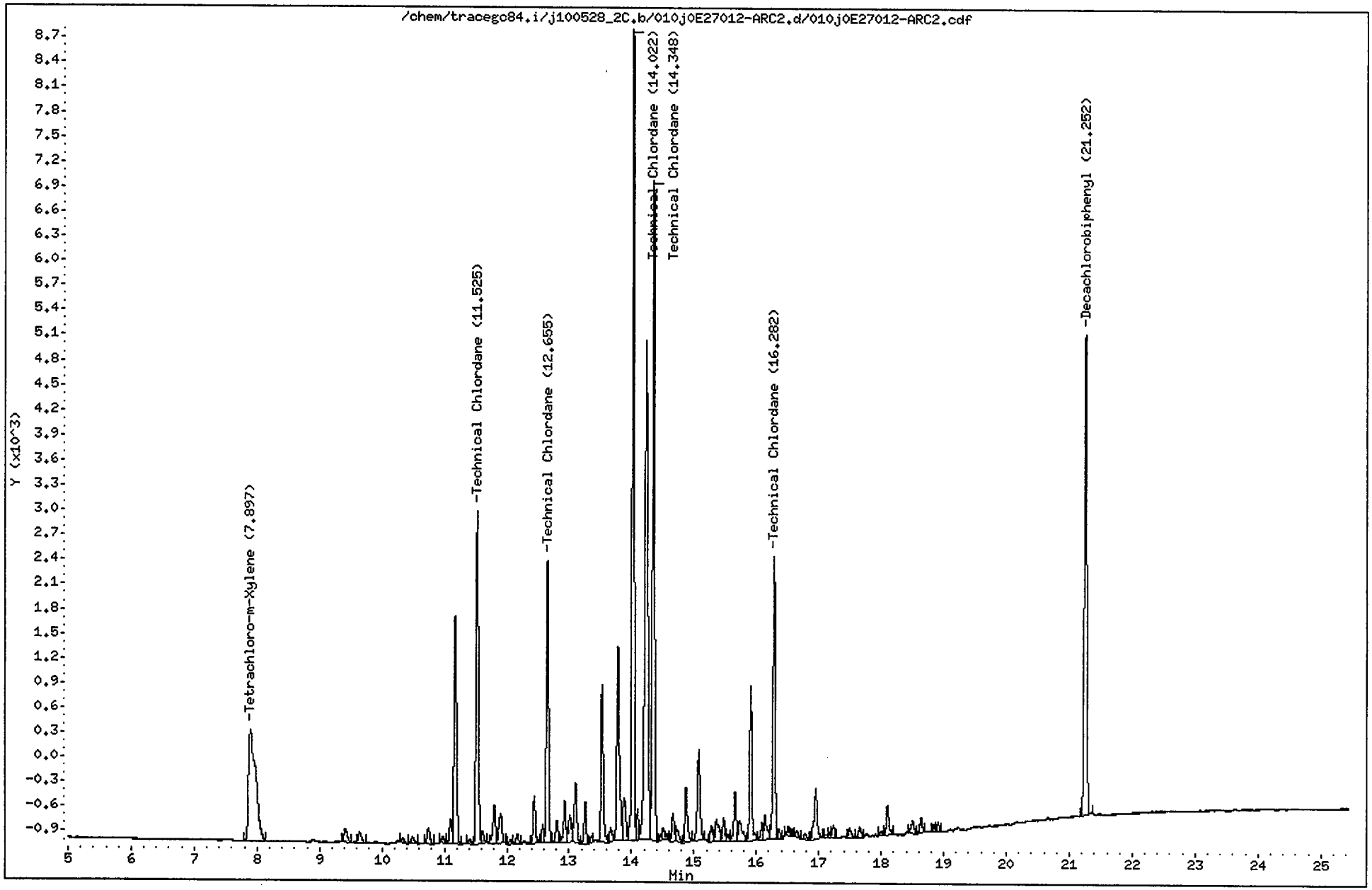
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC2 Client Smp Id : CHLORO3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TechChlor
Inj Date : 28-MAY-2010 21:11 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : CHLORO3HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.52			1208					
7.90	7.82	7.96	10799	416798	Tetrachloro-m-Xylene	0.020000	410850	
9.41			627					
9.63			460					
10.33			192					
10.49			291					
10.74			612					
10.98			235					
11.10			779					
11.18			7819					
11.40			188					
11.52	11.46	11.60	10759	26895	TechnicalChlordane Peak 1	0.400000	26895	
11.62			380					
11.80			1393					
11.90			1280					
12.06			152					
12.17			354					
12.44			1488					
12.58			530					
12.66	12.58	12.72	8347	20865	TechnicalChlordane Peak 2	0.400000	20865	
12.80			718					
12.93			1360					
13.02			1016					
13.11			2155					
13.26			1194					
13.36			184					
13.53			4593					
13.67			449					
13.78			6784					
13.89			1588					
14.02	13.95	14.09	23201	58000	TechnicalChlordane Peak 3	0.400000	58000	
14.10			804					
14.23			20520					
14.35	14.28	14.42	19246	48115	TechnicalChlordane Peak 4	0.400000	48115	
14.47			140					
14.52			390					
14.66			840					
14.73			531					
14.87			1756					
15.08			3297					
15.28			531					
15.36			1061					

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CompuChem

Lab Smp Id : 0E27012-ARC2 Client Smp Id : CHLORO3HA
Sample Type : INITIAL CAL: Level 3 Sublist : TechChlor
Inj Date : 28-MAY-2010 21:11 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : CHLORO3HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.47		663					
15.55		232					
15.65		1543					
15.73		1046					
15.91		4569					
16.09		479					
16.14		918					
16.28	16.21 16.35	8118	20295	TechnicalChlordane Peak 5	0.400000	20295	
16.36		246					
16.51		238					
16.57		147					
16.65		231					
16.78		238					
16.95		2088					
17.11		108					
17.18		157					
17.24		376					
17.49		360					
17.66		357					
18.00		156					
18.10		1006					
18.50		496					
18.64		491					
18.84		214					
18.91		270					
21.25	21.18 21.32	15618	406698	Decachlorobiphenyl	0.040000	401125	

Data File: /chem/tracegc84.i/j100528_2C.b/011j0E27012-CAL6.d

Page 1

Date : 28-MAY-2010 21:40

Client ID: AR16601HA

Instrument: tracegc84.i

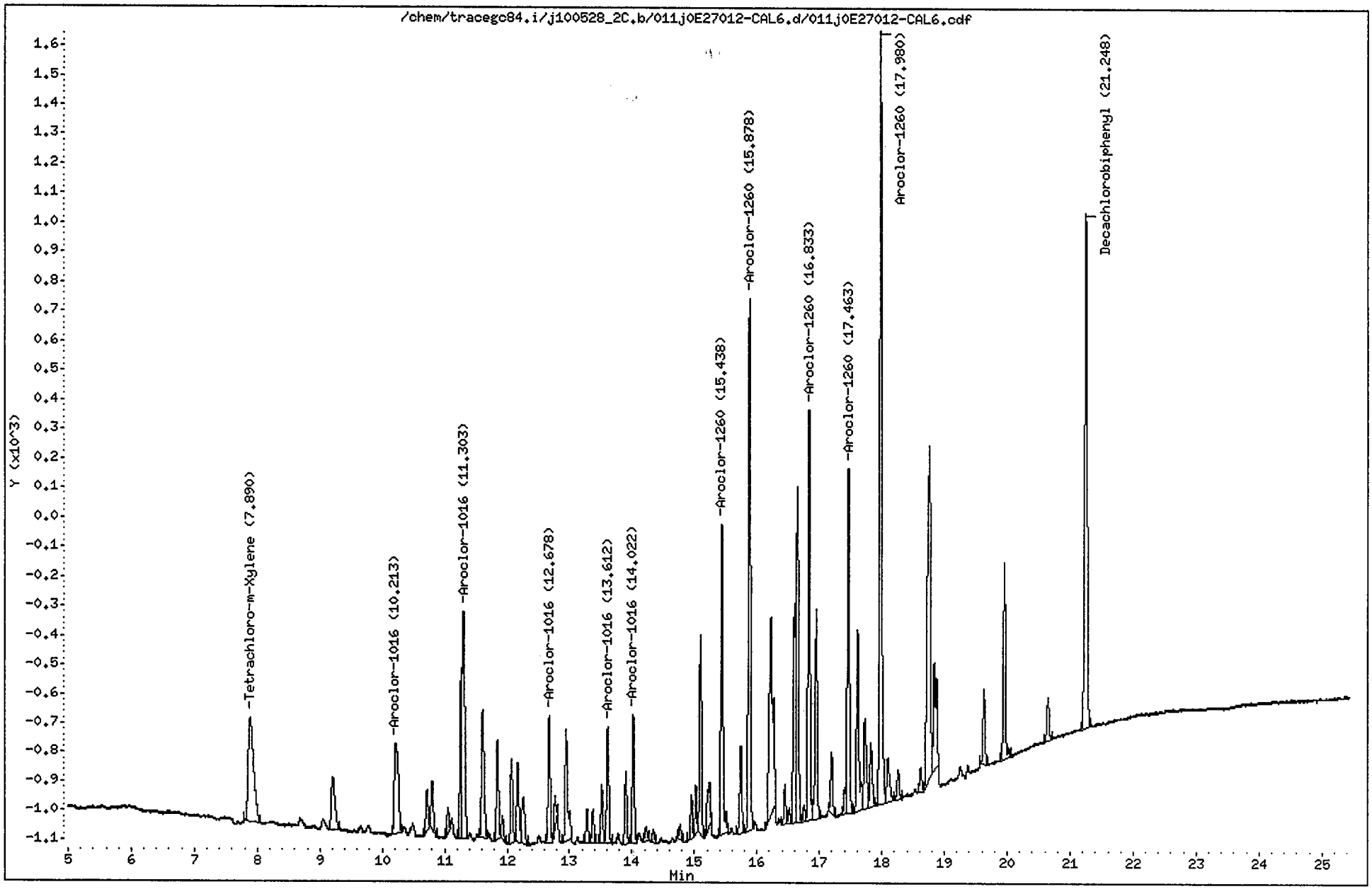
Sample Info: 0E27012-CAL6

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL6 Client Smp Id : AR16601HA
Sample Type : INITIAL CAL: Level 1 Sublist : AR1660
Inj Date : 28-MAY-2010 21:40 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16601HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.54			5903					
2.52			95					
7.89	7.82	7.96	2127	416798	Tetrachloro-m-Xylene	0.005000	429200	
9.21			739					
10.21	10.15	10.29	1416	12953	Aroclor-1016 Peak 1	0.100000	14160	
10.72			357					
10.80			453					
11.05			191					
11.27			1078					
11.30	11.24	11.38	2281	19854	Aroclor-1016 Peak 2	0.100000	22810	
11.61			1266					
11.85			807					
11.93			172					
12.07			680					
12.17			716					
12.27			559					
12.68	12.61	12.75	1029	9041	Aroclor-1016 Peak 3	0.100000	10280	
12.77			225					
12.95			1134					
13.28			274					
13.37			255					
13.52			442					
13.61	13.55	13.69	959	8370	Aroclor-1016 Peak 4	0.100000	9590.000	
13.90			548					
14.02	13.96	14.10	995	7947	Aroclor-1016 Peak 5	0.100000	9950.000	
14.23			122					
14.34			101					
14.78			121					
14.95			306					
15.02			339					
15.10			1508					
15.21			533					
15.44	15.37	15.51	2507	21225	Aroclor-1260 Peak 1	0.100000	25070	
15.74			718					
15.88	15.81	15.95	4092	36050	Aroclor-1260 Peak 2	0.100000	40920	
16.23			2808					
16.45			292					
16.52			114					
16.60			1681					
16.64			2978					
16.75			124					
16.83	16.77	16.91	3170	28288	Aroclor-1260 Peak 3	0.100000	31690	

AHW
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CompuChem

Lab Smp Id : 0E27012-CAL6 Client Smp Id : AR16601HA
Sample Type : INITIAL CAL: Level 1 Sublist : AR1660
Inj Date : 28-MAY-2010 21:40 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16601HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
16.95		1715					
17.20		482					
17.41		180					
17.46	17.39 17.53	2764	23788	Aroclor-1260 Peak 4	0.100000	27640	
17.61		1601					
17.73		912					
17.82		581					
17.98	17.91 18.05	6255	56438	Aroclor-1260 Peak 5	0.100000	62550	
18.10		488					
18.27		243					
18.62		191					
18.76		3996					
18.84		1325					
19.64		598					
19.95		1582					
20.65		370					
21.25	21.18 21.32	4742	406698	Decachlorobiphenyl	0.010000	466000	

Data File: /chem/tracegc84.i/j100528_2C.b/012j0E27012-CAL7.d

Date : 28-MAY-2010 22:10

Client ID: AR16602HA

Sample Info: 0E27012-CAL7

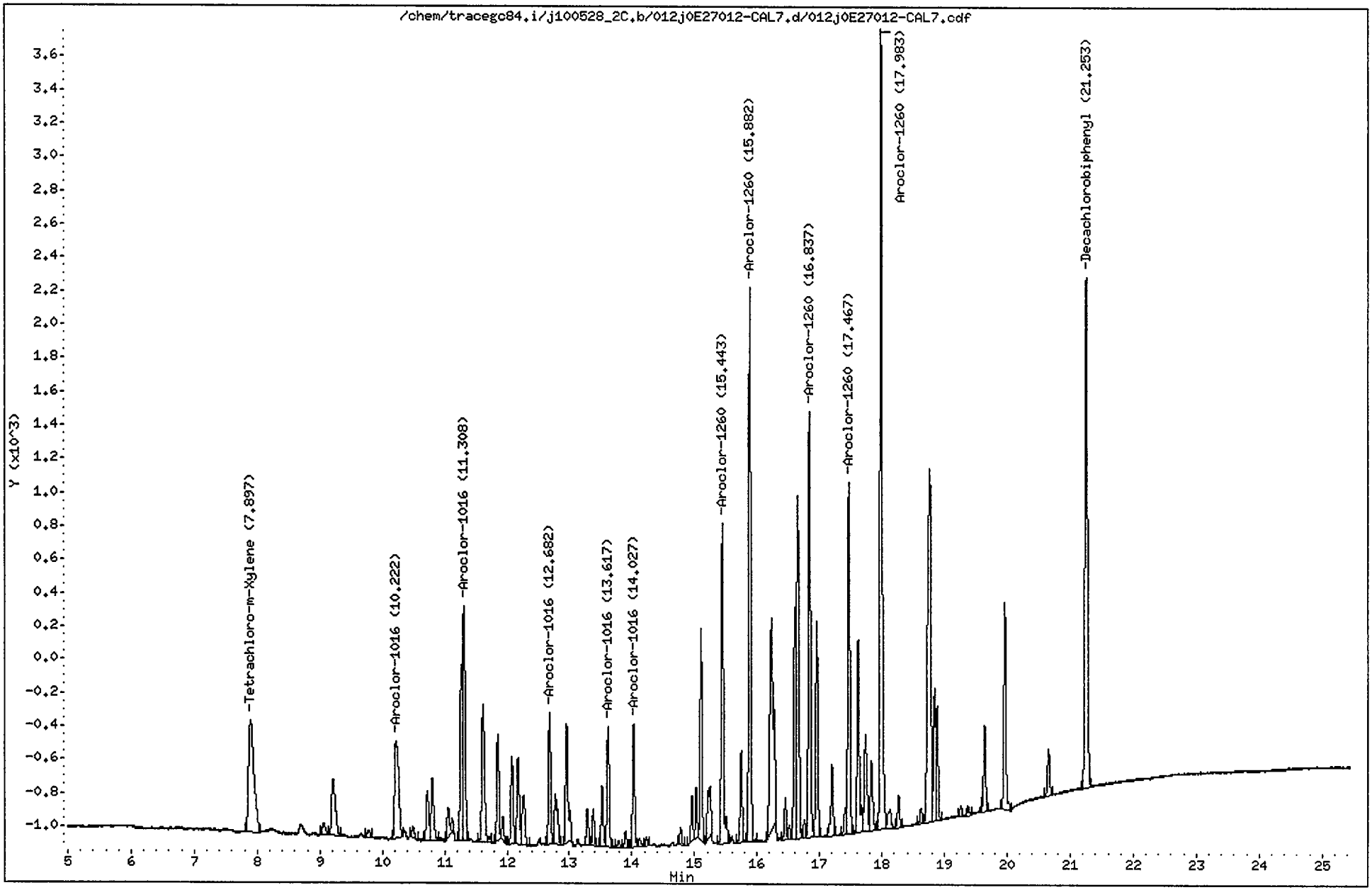
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL7 Client Smp Id : AR16602HA
Sample Type : INITIAL CAL: Level 2 Sublist : AR1660
Inj Date : 28-MAY-2010 22:10 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16602HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.53		5197					
7.90	7.82 7.96	3976	416798	Tetrachloro-m-Xylene	0.010000	424600	
9.06		255					
9.21		1421					
9.78		135					
10.22	10.15 10.29	2618	12953	Aroclor-1016 Peak 1	0.200000	13090	
10.49		218					
10.72		833					
10.80		1107					
11.06		575					
11.27		2129					
11.31	11.24 11.38	4044	19854	Aroclor-1016 Peak 2	0.200000	20215	
11.62		2472					
11.85		1498					
11.93		307					
12.08		1245					
12.18		1317					
12.27		1013					
12.68	12.61 12.75	1838	9041	Aroclor-1016 Peak 3	0.200000	9185.000	
12.78		1063					
12.95		2069					
13.29		484					
13.38		482					
13.52		827					
13.62	13.55 13.69	1742	8370	Aroclor-1016 Peak 4	0.200000	8705.000	
13.79		98					
13.90		231					
14.03	13.96 14.10	1634	7947	Aroclor-1016 Peak 5	0.200000	8165.000	
14.12		140					
14.23		108					
14.78		237					
14.96		572					
15.03		616					
15.10		2759					
15.22		1149					
15.44	15.37 15.51	4680	21225	Aroclor-1260 Peak 1	0.200000	23395	
15.75		1262					
15.88	15.81 15.95	7408	36050	Aroclor-1260 Peak 2	0.200000	37035	
16.23		5252					
16.45		565					
16.52		175					
16.61		3146					

AHW
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CompuChem

Lab Smp Id : 0E27012-CAL7 Client Smp Id : AR16602HA
Sample Type : INITIAL CAL: Level 2 Sublist : AR1660
Inj Date : 28-MAY-2010 22:10 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16602HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
16.65		5306					
16.76		234					
16.84	16.77 16.91	5837	28288	Aroclor-1260 Peak 3	0.200000	29185	
16.95		2954					
17.20		1072					
17.41		323					
17.47	17.39 17.53	4892	23788	Aroclor-1260 Peak 4	0.200000	24460	
17.62		2895					
17.73		1686					
17.83		1098					
17.98	17.91 18.05	11448	56438	Aroclor-1260 Peak 5	0.200000	57240	
18.13		425					
18.27		437					
18.63		228					
18.76		7729					
18.84		1751					
18.88		1479					
19.26		176					
19.38		125					
19.64		1202					
19.96		2994					
20.66		668					
21.25	21.18 21.32	8163	406698	Decachlorobiphenyl	0.020000	432800	

Data File: /chem/tracegc84.i/j100528_2C.b/013j0E27012-CAL8.d

Date : 28-MAY-2010 22:38

Client ID: AR16603HA

Sample Info: 0E27012-CAL8

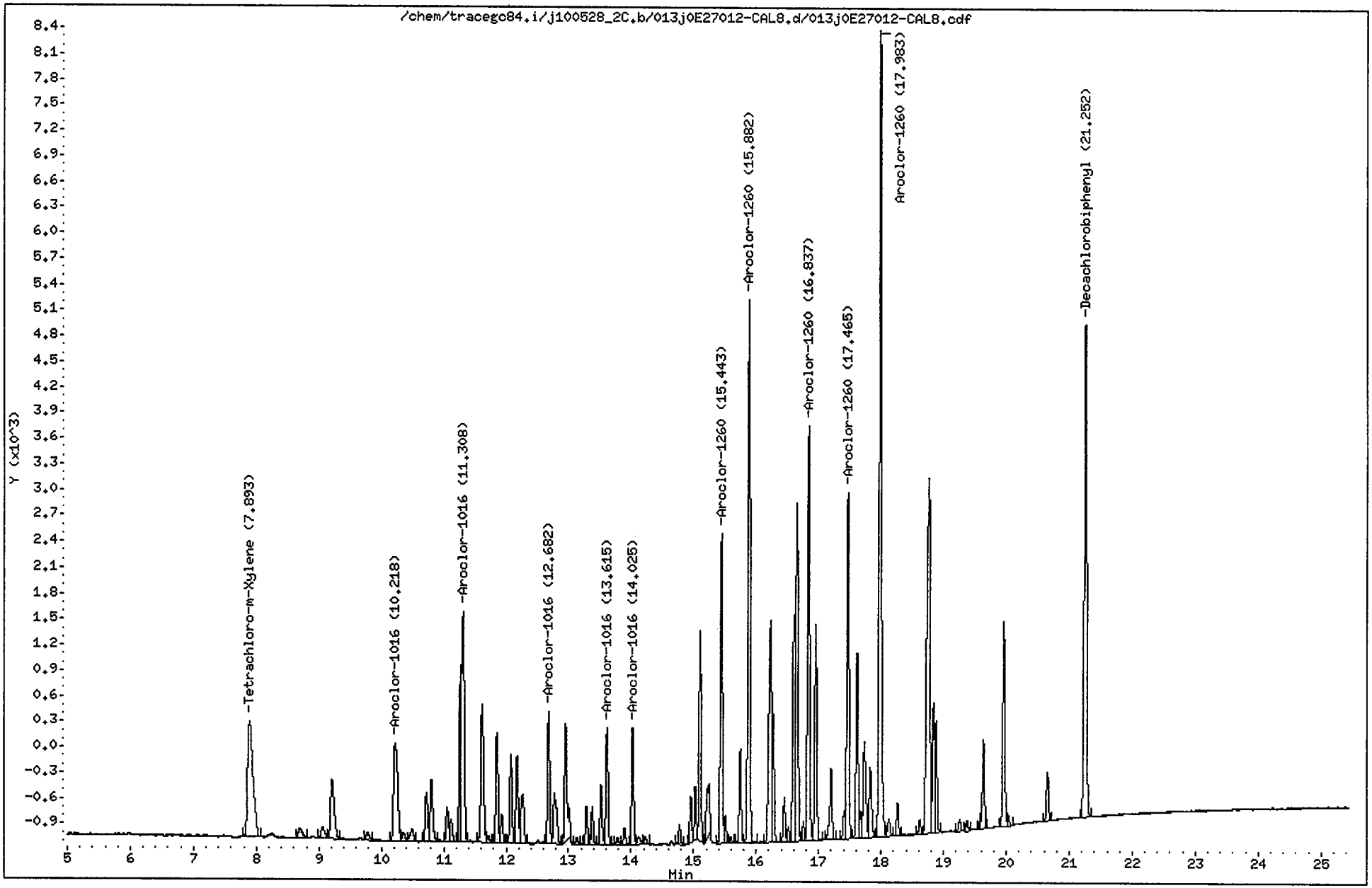
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL8 Client Smp Id : AR16603HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1660
Inj Date : 28-MAY-2010 22:38 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16603HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.55			12610					
1.78			3220					
1.95			20961					
2.50			93					
7.89	7.82	7.96	8081	416798	Tetrachloro-m-Xylene	0.020000	410850	
8.69			535					
9.06			530					
9.21			2824					
9.78			314					
10.22	10.15	10.29	5286	12953	Aroclor-1016 Peak 1	0.400000	13213	
10.35			291					
10.49			540					
10.72			1664					
10.80			2191					
11.06			1058					
11.12			701					
11.27			4122					
11.31	11.24	11.38	7858	19854	Aroclor-1016 Peak 2	0.400000	19645	
11.62			4885					
11.71			188					
11.85			3237					
11.93			839					
12.08			2525					
12.17			2698					
12.27			2072					
12.68	12.61	12.75	3641	9041	Aroclor-1016 Peak 3	0.400000	9102.500	
12.77			2207					
12.95			4014					
13.13			182					
13.29			1026					
13.38			994					
13.52			1618					
13.62	13.55	13.69	3368	8370	Aroclor-1016 Peak 4	0.400000	8417.500	
13.78			183					
13.89			443					
14.02	13.96	14.10	3112	7947	Aroclor-1016 Peak 5	0.400000	7780.000	
14.12			296					
14.23			207					
14.78			512					
14.96			1176					
15.03			1288					
15.10			5373					

AHW
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CompuChem

Lab Smp Id : 0E27012-CAL8 Client Smp Id : AR16603HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1660
Inj Date : 28-MAY-2010 22:38 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16603HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.22		2220					
15.44	15.37 15.51	8271	21225	Aroclor-1260 Peak 1	0.400000	20677	
15.51		684					
15.60		156					
15.74		2506					
15.88	15.81 15.95	14416	36050	Aroclor-1260 Peak 2	0.400000	36037	
16.23		8284					
16.27		3057					
16.45		1181					
16.52		364					
16.60		6302					
16.65		10109					
16.75		487					
16.84	16.77 16.91	11338	28288	Aroclor-1260 Peak 3	0.400000	28345	
16.95		5687					
17.20		2189					
17.41		626					
17.46	17.39 17.53	9484	23788	Aroclor-1260 Peak 4	0.400000	23710	
17.62		5073					
17.68		635					
17.73		3357					
17.83		2191					
17.98	17.91 18.05	22538	56438	Aroclor-1260 Peak 5	0.400000	56345	
18.13		555					
18.27		862					
18.62		374					
18.76		15093					
18.84		3468					
18.88		2867					
19.26		308					
19.38		258					
19.59		172					
19.64		2404					
19.96		5609					
20.04		270					
20.66		1346					
21.25	21.18 21.32	15513	406698	Decachlorobiphenyl	0.040000	401125	

Data File: /chem/tracegc84.i/j100528_2C.b/014j0E27012-CAL9.d

Date : 28-MAY-2010 23:07

Client ID: AR16604HA

Sample Info: 0E27012-CAL9

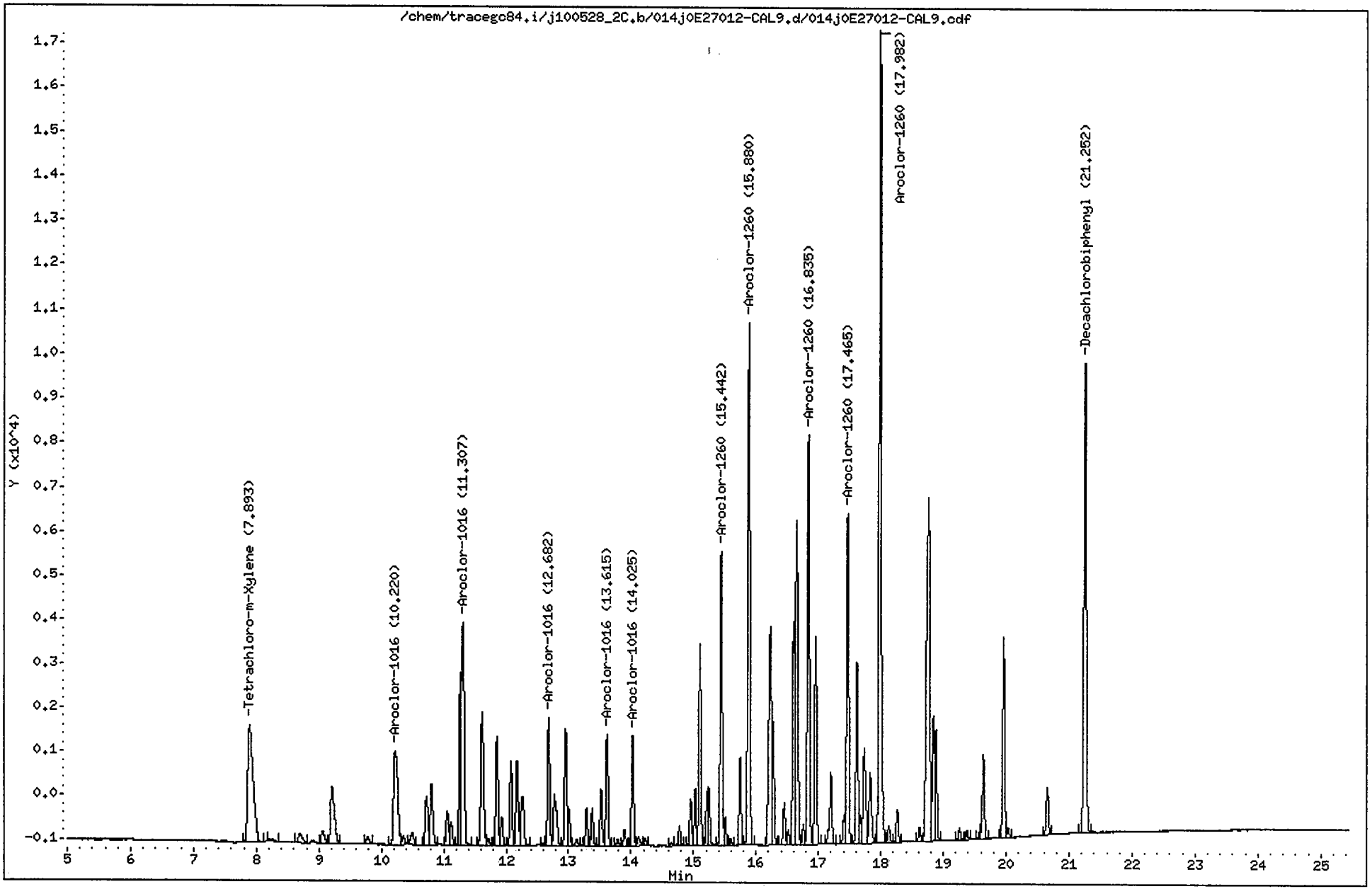
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CAL9 Client Smp Id : AR16604HA
Sample Type : INITIAL CAL: Level 4 Sublist : AR1660
Inj Date : 28-MAY-2010 23:07 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16604HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.53			4994					
7.89	7.82	7.96	15839	416798	Tetrachloro-m-Xylene	0.040000	411550	
8.23			272					
8.69			995					
9.05			1016					
9.21			5387					
9.78			621					
10.22	10.15	10.29	10044	12953	Aroclor-1016 Peak 1	0.800000	12554	
10.35			547					
10.49			1064					
10.72			3233					
10.80			4240					
11.05			2022					
11.12			1384					
11.27			7432					
11.31	11.24	11.38	15161	19854	Aroclor-1016 Peak 2	0.800000	18951	
11.62			9210					
11.72			375					
11.85			6185					
11.93			1626					
12.08			4717					
12.17			5070					
12.26			3950					
12.59			100					
12.68	12.61	12.75	6879	9041	Aroclor-1016 Peak 3	0.800000	8597.500	
12.77			4237					
12.95			6753					
13.01			1772					
13.13			376					
13.29			1978					
13.38			1906					
13.52			3045					
13.62	13.55	13.69	6287	8370	Aroclor-1016 Peak 4	0.800000	7857.500	
13.78			319					
13.89			853					
14.02	13.96	14.10	5749	7947	Aroclor-1016 Peak 5	0.800000	7186.250	
14.12			568					
14.22			371					
14.65			184					
14.78			998					
14.95			2438					
15.03			2859					

AHW
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CompuChem

Lab Smp Id : 0E27012-CAL9 Client Smp Id : AR16604HA
Sample Type : INITIAL CAL: Level 4 Sublist : AR1660
Inj Date : 28-MAY-2010 23:07 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16604HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.10		10433					
15.21		2434					
15.24		2845					
15.44	15.37 15.51	15282	21225	Aroclor-1260 Peak 1	0.800000	19101	
15.51		1320					
15.59		289					
15.74		4660					
15.88	15.81 15.95	27134	36050	Aroclor-1260 Peak 2	0.800000	33916	
16.23		15431					
16.27		5739					
16.45		2259					
16.52		702					
16.60		11778					
16.65		19088					
16.75		967					
16.84	16.77 16.91	21389	28288	Aroclor-1260 Peak 3	0.800000	26736	
16.95		10710					
17.20		4226					
17.41		1265					
17.46	17.39 17.53	17730	23788	Aroclor-1260 Peak 4	0.800000	22163	
17.61		9532					
17.67		1248					
17.73		6461					
17.83		4295					
17.98	17.91 18.05	43151	56438	Aroclor-1260 Peak 5	0.800000	53937	
18.13		931					
18.26		1679					
18.62		696					
18.76		28579					
18.84		6575					
18.88		5525					
19.25		570					
19.37		496					
19.58		346					
19.64		4607					
19.96		10525					
20.03		479					
20.66		2580					
21.25	21.18 21.32	28729	406698	Decachlorobiphenyl	0.080000	376587	

Data File: /chem/tracegc84.i/j100528_2C.b/015j0E27012-CALA.d

Date : 28-MAY-2010 23:36

Client ID: AR16605HA

Instrument: tracegc84.i

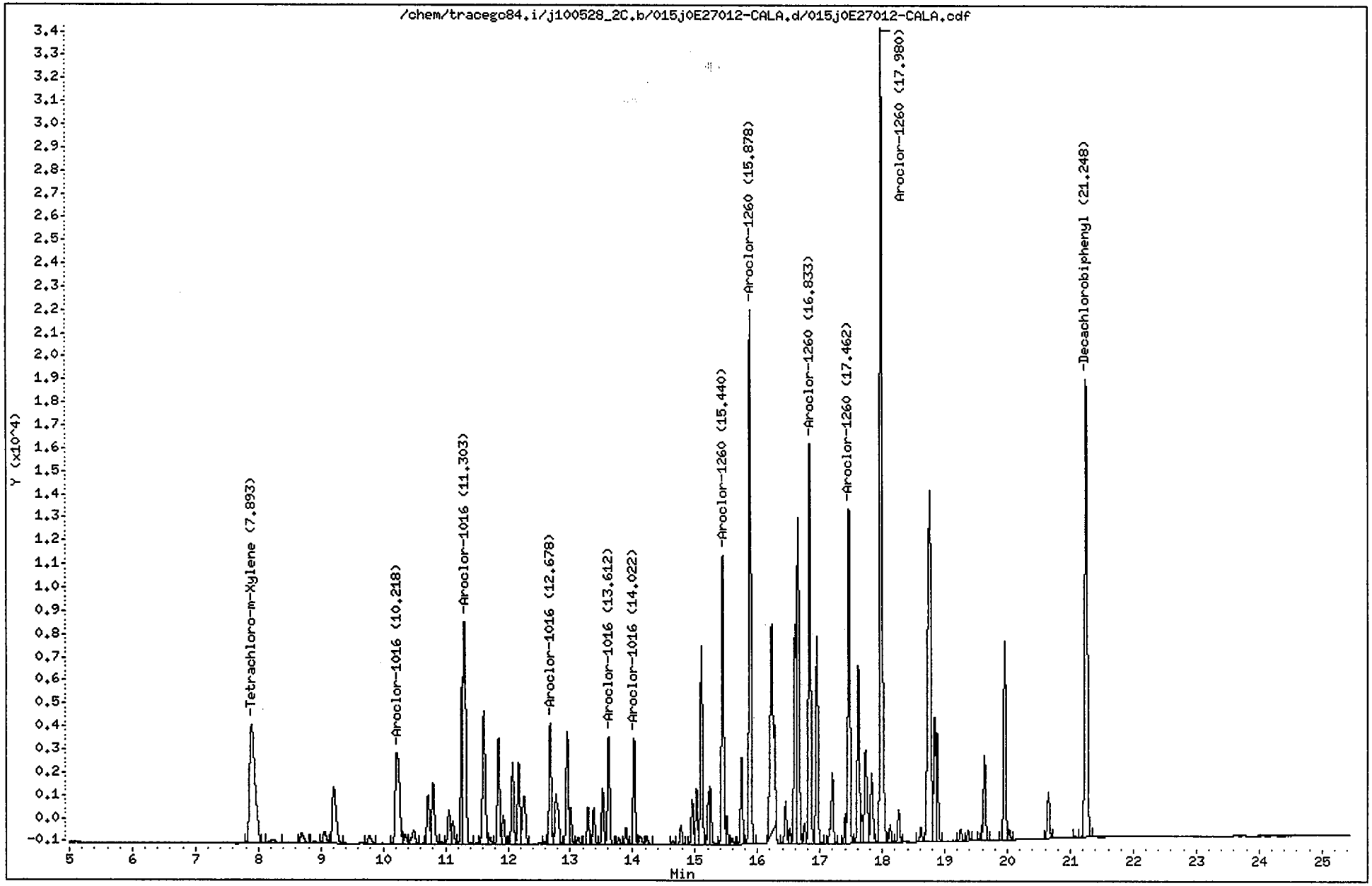
Sample Info: 0E27012-CALA

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-CALA Client Smp Id : AR16605HA
Sample Type : INITIAL CAL: Level 5 Sublist : AR1660
Inj Date : 28-MAY-2010 23:36 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16605HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.52			1355					
7.89	7.82	7.96	30940	416798	Tetrachloro-m-Xylene	0.080000	407787	
8.23			1051					
8.69			1767					
8.90			350					
9.06			2080					
9.21			10426					
9.77			1198					
10.22	10.15	10.29	18798	12953	Aroclor-1016 Peak 1	1.600000	11748	
10.35			1187					
10.49			2201					
10.72			6102					
10.80			8090					
10.93			227					
11.05			3890					
11.12			2691					
11.27			14341					
11.30	11.24	11.38	28234	19854	Aroclor-1016 Peak 2	1.600000	17646	
11.61			17271					
11.71			726					
11.85			11729					
11.93			3081					
12.07			8751					
12.17			9431					
12.26			7408					
12.59			203					
12.68	12.61	12.75	12863	9041	Aroclor-1016 Peak 3	1.600000	8038.750	
12.77			7988					
12.95			12609					
13.00			3437					
13.13			691					
13.28			3830					
13.37			3670					
13.52			5712					
13.61	13.55	13.69	11647	8370	Aroclor-1016 Peak 4	1.600000	7278.750	
13.78			630					
13.89			1620					
14.02	13.96	14.10	10650	7947	Aroclor-1016 Peak 5	1.600000	6655.625	
14.12			1194					
14.22			866					
14.64			342					
14.77			1880					

AHW
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CompuChem

Lab Smp Id : 0E27012-CALA Client Smp Id : AR16605HA
Sample Type : INITIAL CAL: Level 5 Sublist : AR1660
Inj Date : 28-MAY-2010 23:36 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR16605HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
14.95		4536					
15.02		5425					
15.10		19561					
15.21		4711					
15.24		5270					
15.44	15.37 15.51	28608	21225	Aroclor-1260 Peak 1	1.600000	17880	
15.50		2566					
15.59		606					
15.74		8752					
15.88	15.81 15.95	51744	36050	Aroclor-1260 Peak 2	1.600000	32339	
16.23		35706					
16.45		4307					
16.51		1357					
16.60		22407					
16.65		36104					
16.75		1891					
16.83	16.77 16.91	40779	28288	Aroclor-1260 Peak 3	1.600000	25486	
16.95		20286					
17.20		8137					
17.40		2343					
17.46	17.39 17.53	33551	23788	Aroclor-1260 Peak 4	1.600000	20969	
17.61		17934					
17.67		2288					
17.73		12332					
17.82		8217					
17.98	17.91 18.05	83385	56438	Aroclor-1260 Peak 5	1.600000	52116	
18.13		1774					
18.26		3228					
18.62		1358					
18.76		54383					
18.84		12266					
18.87		10642					
19.25		1188					
19.37		953					
19.58		647					
19.63		8766					
19.95		20067					
20.03		923					
20.65		4921					
21.08		90					
21.25	21.18 21.32	53941	406698	Decachlorobiphenyl	0.160000	356975	

Data File: /chem/tracegc84.i/j100528_2C.b/016j0E27012-ARC3.d

Page 1

Date : 29-MAY-2010 00:05

Client ID: AR12213HA

Instrument: tracegc84.i

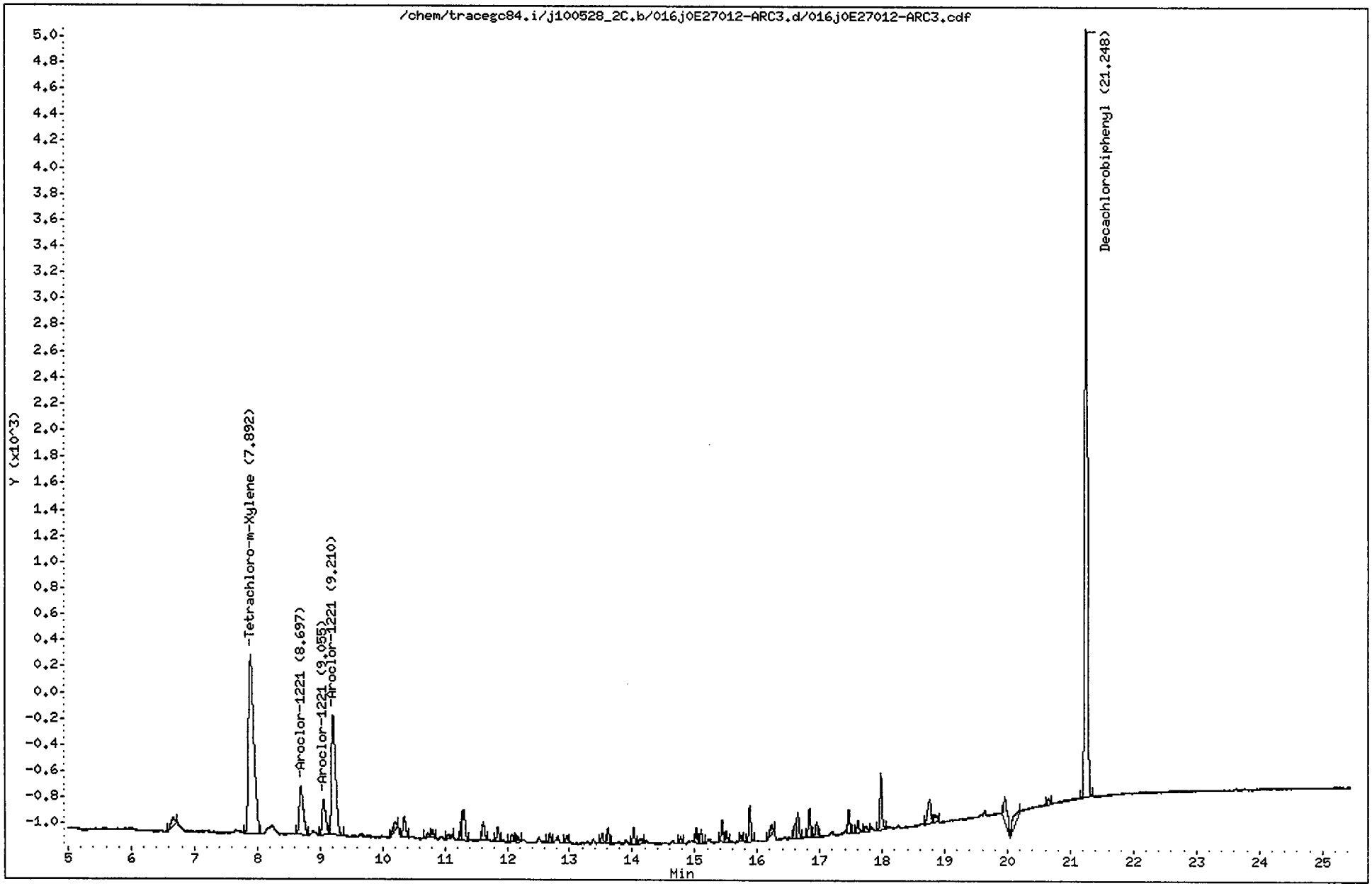
Sample Info: 0E27012-ARC3

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC3 Client Smp Id : AR12213HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1221
Inj Date : 29-MAY-2010 00:05 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12213HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.55			46457					
6.67			285					
7.89	7.82	7.96	8094	416798	Tetrachloro-m-Xylene	0.020000	410850	
8.70	8.63	8.77	1669	4170	Aroclor-1221 Peak 2	0.400000	4170.000	
9.06	8.98	9.12	1080	2700	Aroclor-1221 Peak 3	0.400000	2700.000	
9.21	9.14	9.28	4116	10288	Aroclor-1221 Peak 4	0.400000	10287	
10.20			230					
10.35			467					
10.72			97					
10.80			139					
11.06			138					
11.27			303					
11.31			680					
11.62			394					
11.85			255					
12.07			137					
12.17			97					
12.68			173					
12.96			129					
13.52			156					
13.62			273					
14.03			277					
14.12			135					
14.78			106					
15.03			221					
15.10			208					
15.44			350					
15.51			178					
15.74			109					
15.88			612					
16.23			225					
16.60			241					
16.65			516					
16.84			492					
16.95			301					
17.46			396					
17.61			248					
17.73			133					
17.98			1018					
18.75			645					
18.84			227					
19.96			871					

AHW
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CompuChem

Lab Smp Id : 0E27012-ARC3 Client Smp Id : AR12213HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1221
Inj Date : 29-MAY-2010 00:05 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12213HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
20.19		553					
20.66		118					
21.25	21.18 21.32	15857	406698	Decachlorobiphenyl	0.040000	401125	

Data File: /chem/tracegc84.i/j100528_2C.b/017j0E27012-ARC4.d

Date : 29-MAY-2010 00:34

Client ID: AR12323HA

Instrument: tracegc84.i

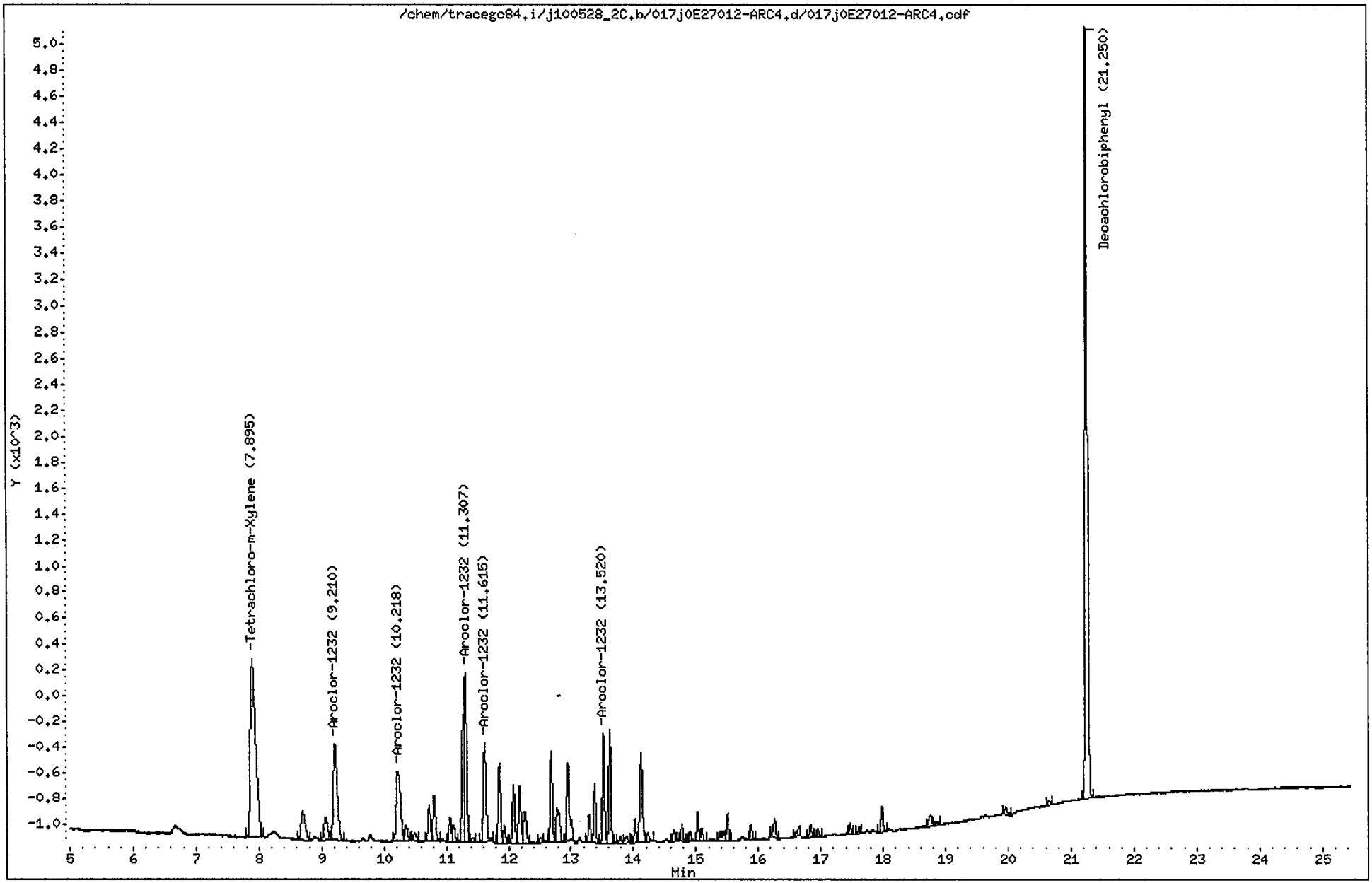
Sample Info: 0E27012-ARC4

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC4 Client Smp Id : AR12323HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1232
Inj Date : 29-MAY-2010 00:34 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12323HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.55			6078					
1.92			227					
7.90	7.82	7.96	8222	416798	Tetrachloro-m-Xylene	0.020000	410850	
8.69			1024					
9.06			732					
9.21	9.14	9.28	3275	8188	Aroclor-1232 Peak 1	0.400000	8187.500	
10.22	10.15	10.29	2568	6418	Aroclor-1232 Peak 2	0.400000	6417.500	
10.35			378					
10.49			176					
10.72			788					
10.80			1046					
11.05			518					
11.12			332					
11.27			2058					
11.31	11.24	11.38	3727	9318	Aroclor-1232 Peak 3	0.400000	9317.500	
11.43			94					
11.62	11.55	11.69	2299	5748	Aroclor-1232 Peak 4	0.400000	5747.500	
11.85			1547					
11.93			323					
12.08			1075					
12.18			1145					
12.27			852					
12.52			91					
12.68			1662					
12.78			1077					
12.95			1754					
13.29			498					
13.38			1017					
13.52	13.45	13.59	1927	4818	Aroclor-1232 Peak 5	0.400000	4817.500	
13.62			2028					
13.78			100					
13.88			146					
14.03			403					
14.12			2031					
14.23			156					
14.64			186					
14.78			270					
14.90			159					
15.03			465					
15.09			247					
15.39			329					
15.51			455					

AHW
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CompuChem

Lab Smp Id : 0E27012-ARC4 Client Smp Id : AR12323HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1232
Inj Date : 29-MAY-2010 00:34 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12323HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.88		264					
16.26		384					
16.60		186					
16.84		225					
16.95		176					
17.47		191					
17.62		94					
17.98		448					
18.76		291					
18.84		109					
19.96		223					
20.66		103					
21.25	21.18 21.32	15900	406698	Decachlorobiphenyl	0.040000	401125	

Data File: /chem/tracegc84.i/j100528_2C.b/018j0E27012-ARC5.d

Date : 29-MAY-2010 01:03

Client ID: AR12423HA

Instrument: tracegc84.i

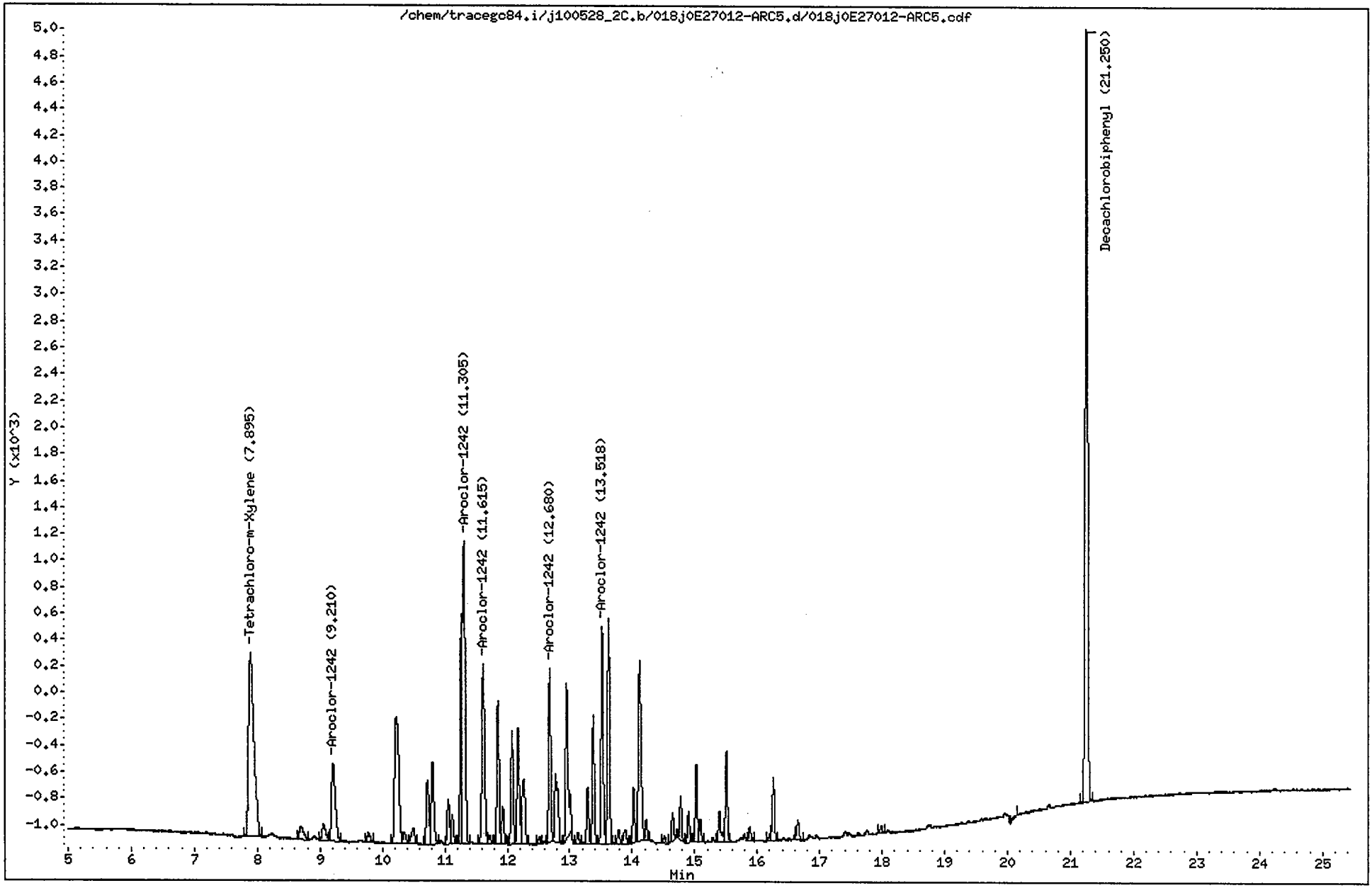
Sample Info: 0E27012-ARC5

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC5 Client Smp Id : AR12423HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1242
Inj Date : 29-MAY-2010 01:03 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12423HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.54			4643					
2.52			95					
7.90	7.82	7.96	8181	416798	Tetrachloro-m-Xylene	0.020000	410850	
8.69			451					
9.05			464					
9.21	9.14	9.28	2438	6092	Aroclor-1242 Peak 1	0.400000	6092.500	
9.78			255					
10.22			4459					
10.35			260					
10.49			448					
10.72			1417					
10.80			1857					
11.05			903					
11.12			581					
11.27			3529					
11.30	11.23	11.37	6570	16425	Aroclor-1242 Peak 2	0.400000	16425	
11.62	11.55	11.69	4090	10222	Aroclor-1242 Peak 3	0.400000	10223	
11.72			154					
11.85			2686					
11.93			698					
12.08			2079					
12.17			2308					
12.27			1751					
12.52			122					
12.68	12.61	12.75	3039	7598	Aroclor-1242 Peak 4	0.400000	7597.500	
12.77			1924					
12.95			3384					
13.13			196					
13.29			977					
13.38			2193					
13.52	13.45	13.59	3803	9505	Aroclor-1242 Peak 5	0.400000	9505.000	
13.62			4081					
13.78			240					
13.89			342					
14.02			915					
14.12			4153					
14.22			317					
14.52			126					
14.64			488					
14.78			680					
14.90			497					
15.03			1278					

AHW
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CompuChem

Lab Smp Id : 0E27012-ARC5 Client Smp Id : AR12423HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1242
Inj Date : 29-MAY-2010 01:03 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12423HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.09		398					
15.39		655					
15.51		1508					
15.88		255					
16.21		101					
16.25		1102					
16.65		394					
17.98		126					
20.15		103					
21.25	21.18 21.32	15810	406698	Decachlorobiphenyl	0.040000	401125	

Data File: /chem/tracegc84.i/j100528_2C.b/019j0E27012-ARC6.d

Date : 29-MAY-2010 01:32

Client ID: AR12483HA

Instrument: tracegc84.i

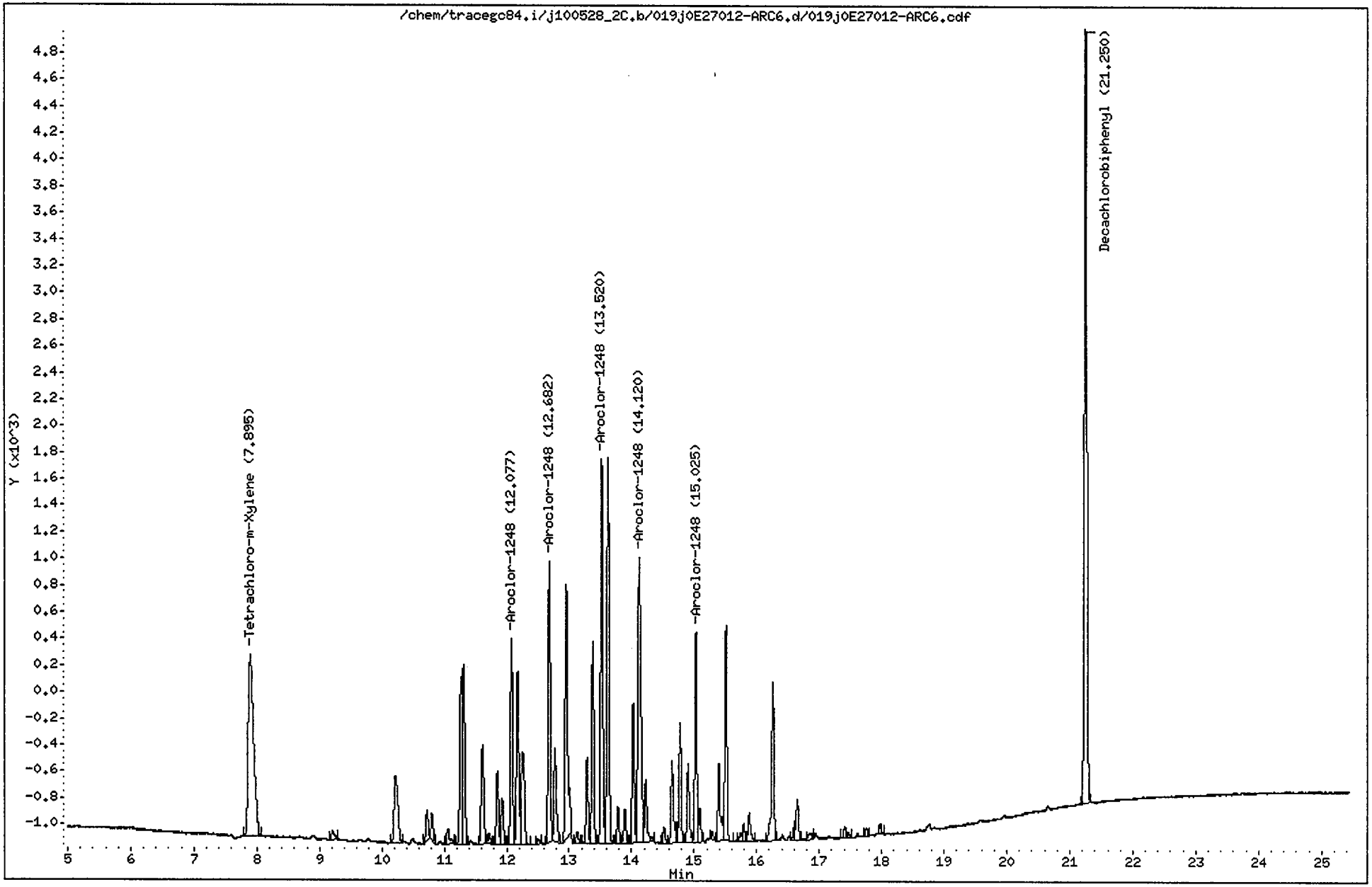
Sample Info: 0E27012-ARC6

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC6 Client Smp Id : AR12483HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1248
Inj Date : 29-MAY-2010 01:32 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12483HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.55		6951					
1.90		216					
7.90	7.82 7.96	8180	416798	Tetrachloro-m-Xylene	0.020000	410850	
9.21		240					
10.22		2132					
10.72		548					
10.80		506					
11.05		377					
11.27		2891					
11.31		3648					
11.61		2168					
11.71		174					
11.85		1385					
11.93		873					
12.08	12.01 12.15	3800	9500	Aroclor-1248 Peak 1	0.400000	9500.000	
12.17		3447					
12.26		2536					
12.50		95					
12.68	12.61 12.75	4952	12378	Aroclor-1248 Peak 2	0.400000	12377	
12.77		1909					
12.95		5414					
13.13		193					
13.29		1486					
13.38		3533					
13.52	13.45 13.59	6749	16872	Aroclor-1248 Peak 3	0.400000	16873	
13.62		7131					
13.78		627					
13.89		633					
14.03		2480					
14.12	14.05 14.19	7275	18185	Aroclor-1248 Peak 4	0.400000	18185	
14.22		1226					
14.52		289					
14.64		1587					
14.72		238					
14.78		2062					
14.90		1474					
15.02	14.96 15.10	3554	8882	Aroclor-1248 Peak 5	0.400000	8882.500	
15.09		573					
15.29		129					
15.39		1678					
15.51		3676					
15.74		137					

AHW
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CompuChem

Lab Smp Id : 0E27012-ARC6 Client Smp Id : AR12483HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1248
Inj Date : 29-MAY-2010 01:32 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12483HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
15.79		271					
15.88		577					
16.26		3091					
16.60		180					
16.65		770					
16.84		179					
17.41		196					
17.46		100					
17.75		155					
17.98		158					
21.25	21.18 21.32	15689	406698	Decachlorobiphenyl	0.040000	401125	

Data File: /chem/tracegc84.i/j100528_2C.b/020j0E27012-ARC7.d

Date : 29-MAY-2010 02:01

Client ID: AR12543HA

Instrument: tracegc84.i

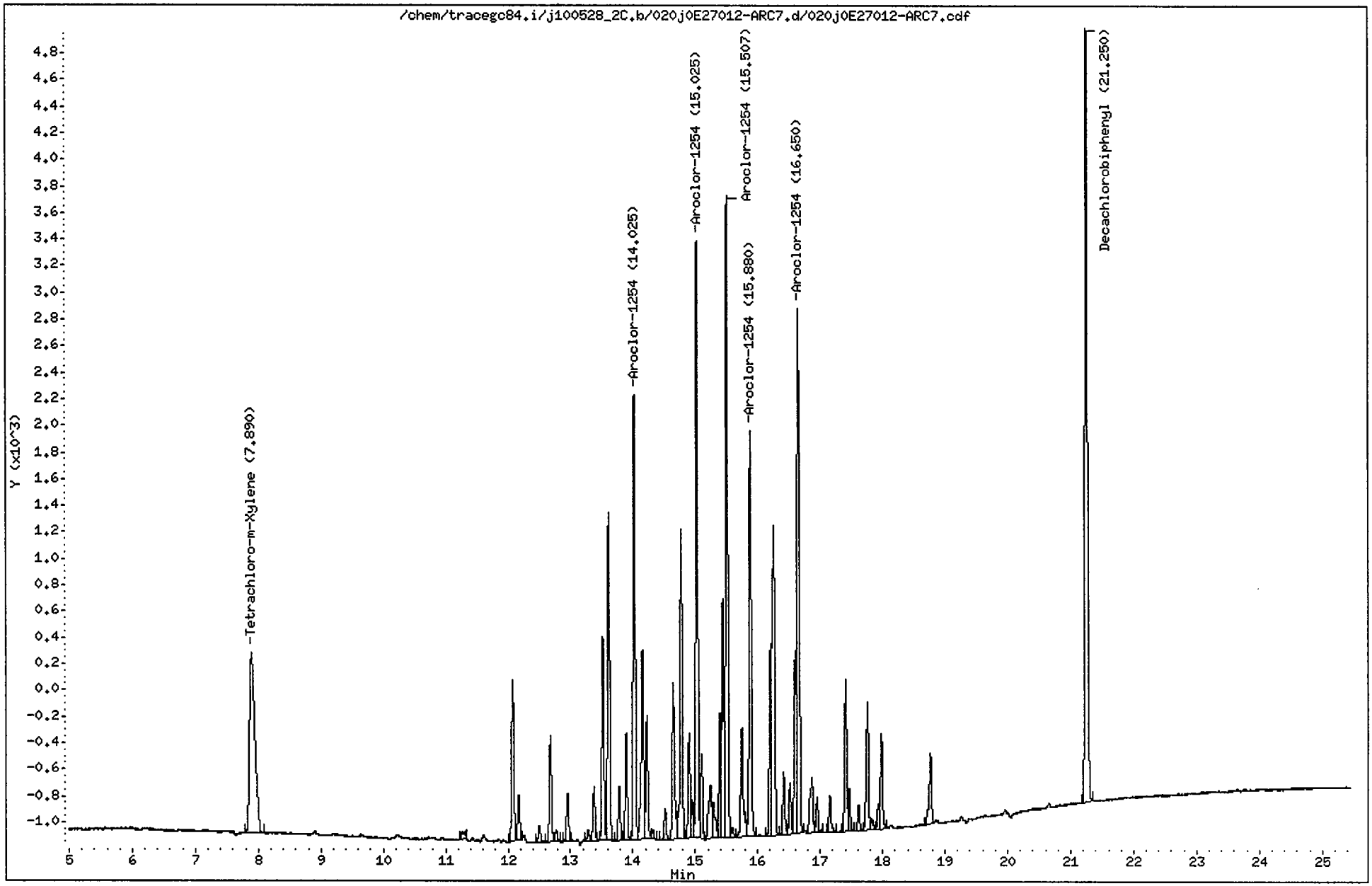
Sample Info: 0E27012-ARC7

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ARC7 Client Smp Id : AR12543HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1254
Inj Date : 29-MAY-2010 02:01 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12543HA

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
1.53			1503					
2.52			107					
7.89	7.82	7.96	8133	416798	Tetrachloro-m-Xylene	0.020000	410850	
11.27			231					
12.08			2963					
12.17			770					
12.50			310					
12.68			1873					
12.77			210					
12.95			884					
13.29			183					
13.38			919					
13.52			3563					
13.61			5900					
13.78			937					
13.89			1800					
14.02	13.96	14.10	7888	19718	Aroclor-1254 Peak 1	0.400000	19717	
14.16			3806					
14.22			2167					
14.32			171					
14.52			557					
14.64			2999					
14.78			5649					
14.90			1782					
14.95			591					
15.02	14.96	15.10	10277	25690	Aroclor-1254 Peak 2	0.400000	25690	
15.10			1390					
15.24			1408					
15.29			819					
15.39			1945					
15.44			4271					
15.51	15.44	15.58	10919	27295	Aroclor-1254 Peak 3	0.400000	27295	
15.60			153					
15.74			2382					
15.88	15.81	15.95	7170	17922	Aroclor-1254 Peak 4	0.400000	17923	
16.20			2920					
16.25			7155					
16.41			1092					
16.52			844					
16.60			2842					
16.65	16.58	16.72	10096	25238	Aroclor-1254 Peak 5	0.400000	25237	
16.87			1426					

AHW
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CompuChem

Lab Smp Id : 0E27012-ARC7 Client Smp Id : AR12543HA
Sample Type : INITIAL CAL: Level 3 Sublist : AR1254
Inj Date : 29-MAY-2010 02:01 Inst ID :
Operator : AHW
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : AR12543HA

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	RF	FLAGS
16.95		635					
17.15		700					
17.41		2600					
17.46		702					
17.62		443					
17.76		2404					
17.83		213					
17.93		382					
17.98		1680					
18.77		1427					
21.25	21.18 21.32	15713	406698	Decachlorobiphenyl	0.040000	401125	

Data File: /chem/tracegc84.i/j100528_2C.b/021j0E27012-ICV1.d

Date : 29-MAY-2010 02:30

Client ID: PESTCHKHA

Sample Info: 0E27012-ICV1

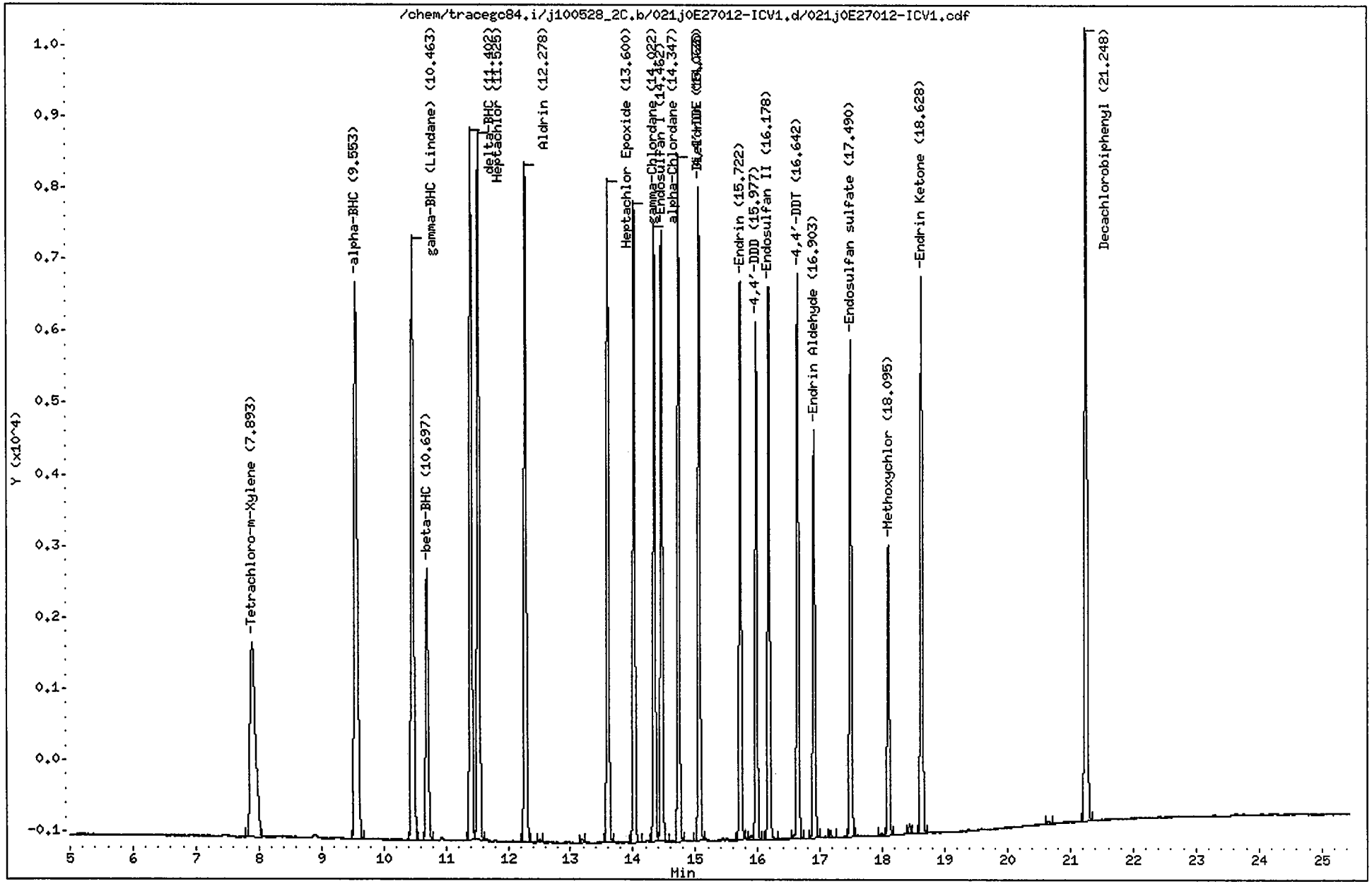
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: System

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ICV1 Client Smp Id : PESTCHKHA
Sample Type : QCCHECK Sublist : INDA
Inj Date : 29-MAY-2010 02:30 Inst ID : TRACEGC84
Operator : System Spike Sublist : INDAchek
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : PESTCHKHA

RT	AREA
1.52	971
2.52	113
7.89	16373
9.55	27766
10.46	25508
10.70	10744
11.40	25025
11.53	26353
12.28	24122
12.51	90
13.19	137
13.60	21487
14.02	20491
14.35	19566
14.46	19716
14.73	20595
15.06	20726
15.72	17889
15.89	173
15.98	15433
16.18	17845
16.64	17369
16.90	13306
17.16	236
17.49	16118
17.98	91
18.09	9156
18.43	293
18.63	18709
20.66	111
21.25	29779

AHW
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Data File: /chem/tracegc84.i/j100528_2C.b/022j0E27012-ICV2.d

Date : 29-MAY-2010 02:59

Client ID: PCBCHKHA

Instrument: tracegc84.i

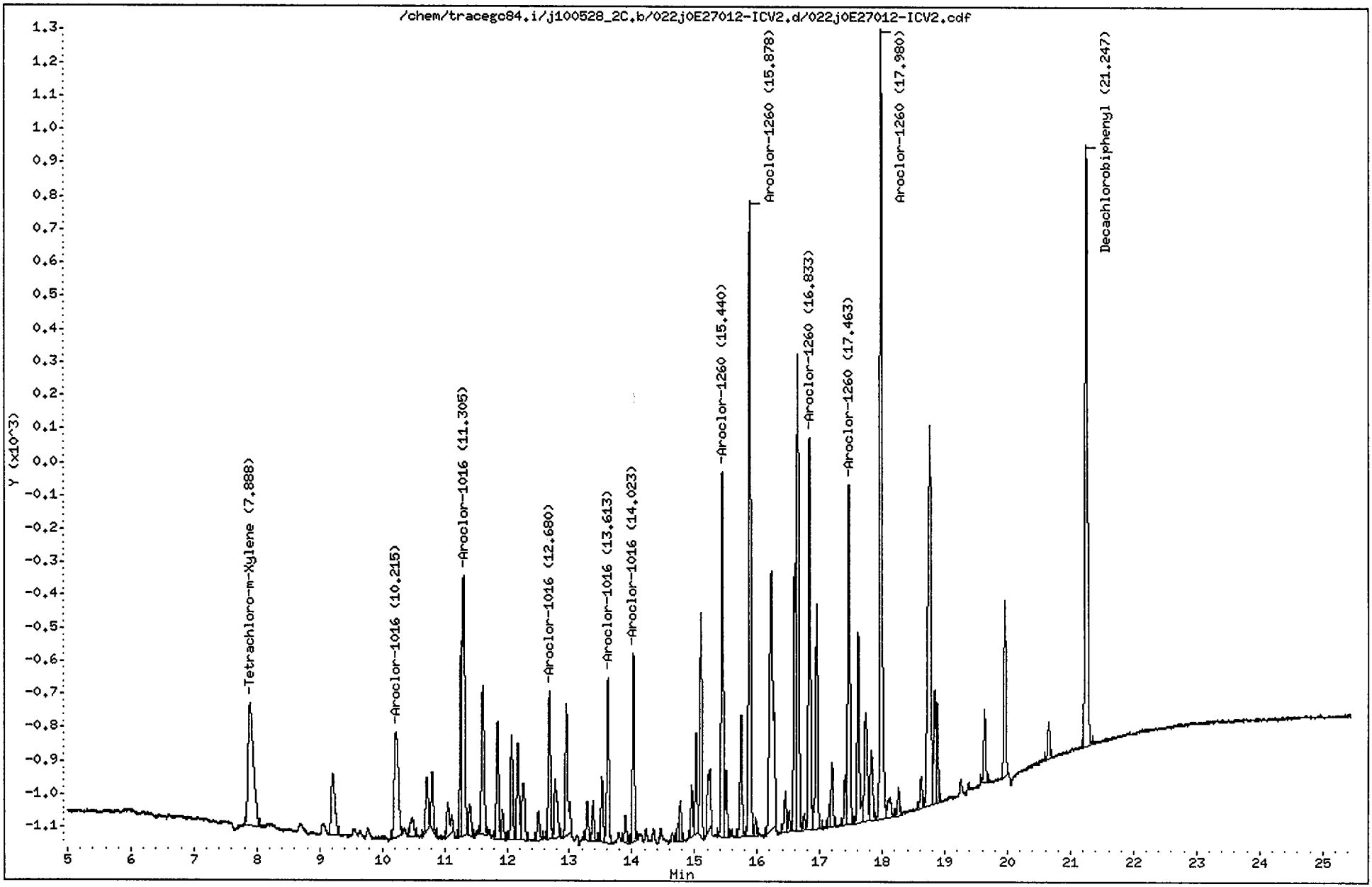
Sample Info: 0E27012-ICV2

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0E27012-ICV2 Client Smp Id : PCBCHKHA
Sample Type : QCCHECK Sublist : AR1660
Inj Date : 29-MAY-2010 02:59 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : AR1660OVchk
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : PCBCHKHA

RT	AREA
1.51	5107
7.89	2190
9.21	761
10.21	1448
10.48	242
10.72	451
10.80	458
11.05	369
11.27	1244
11.30	2146
11.41	281
11.61	1273
11.85	884
11.93	232
12.07	732
12.17	760
12.27	603
12.50	215
12.68	1026
12.77	586
12.95	1132
13.28	262
13.38	254
13.52	457
13.61	1218
13.89	196
14.02	1251
14.73	96
14.77	284
14.95	331
15.02	670
15.10	1485
15.21	680
15.44	2500
15.51	438
15.74	902
15.88	4331
15.98	116
16.23	3252
16.45	289
16.51	136
16.60	1788
16.65	3672
16.75	107
16.83	2698

AHW
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CompuChem

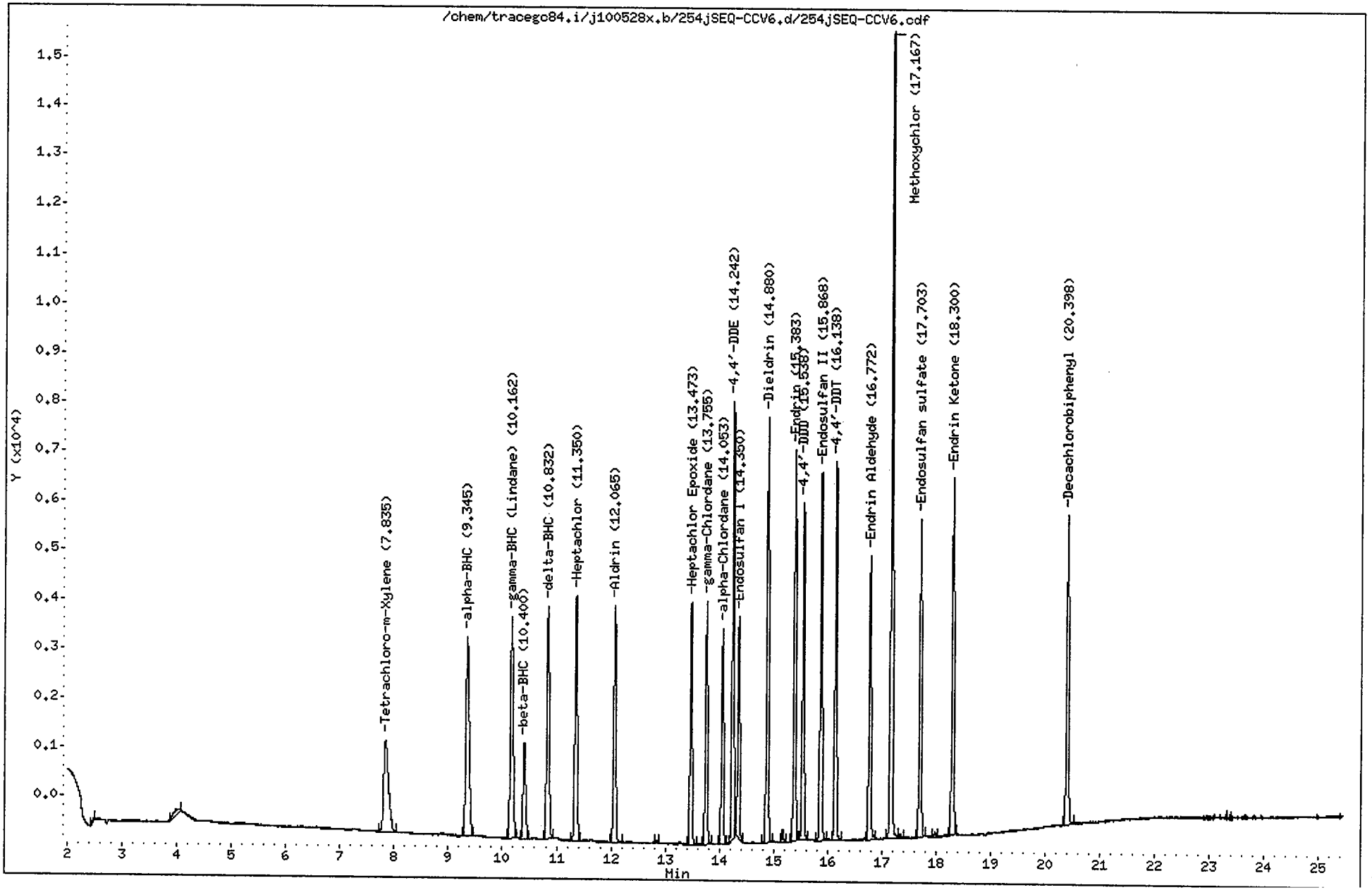
Lab Smp Id : 0E27012-ICV2 Client Smp Id : PCBCHKHA
Sample Type : QCCHECK Sublist : AR1660
Inj Date : 29-MAY-2010 02:59 Inst ID :
Operator : AHW Spike Sublist : AR1660OVchk
Method : /chem/tracegc84.i/j100528_2C.b/8081A_clpest2v6.m
Misc. Info : PCBCHKHA

RT	AREA
16.95	1595
17.15	119
17.20	443
17.41	308
17.46	2477
17.61	1400
17.73	1073
17.83	559
17.98	5630
18.12	237
18.26	182
18.62	233
18.76	3878
18.84	740
18.88	657
19.63	502
19.95	1166
20.65	268
21.25	4893

Manual Integrations							
SDG:							
Sample(s)	0E27012-ARC1						
Compound							
alpha-BHC							
gamma-BHC							
beta-BHC							
delta-BHC							
Heptachlor							
Aldrin							
Heptachlor Epoxide							
gamma-Chlordane							
alpha-Chlordane							
Endosulfan I							
4,4'-DDE							
Dieldrin							
Endrin							
4,4'-DDD							
Endosulfan II							
4,4'-DDT							
Endrin Aldehyde							
Endosulfan sulfate							
Methoxychlor							
Endrin Ketone							
Toxaphene	x						
Technical Chordane							
Tetrachloro-m-xylene							
Decachlorbiphenyl							
"X" Denotes a manual integration for the compound							

Data File: /chem/tracegc84.i/j100528x.b/254jSEQ-CCV6.d
Date : 05-JUN-2010 18:23
Client ID: INDC3KX
Sample Info: SEQ-CCV6
Volume Injected (uL): 1.0
Column phase: olpest

Instrument: tracegc84.i
Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV6 Client Smp Id : INDC3KX
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 05-JUN-2010 18:23 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528x.b/8081A_clpestv6.m
Misc. Info : INDC3KX

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.35			161								
1.46			30656								
2.49			206								
4.01			798								
7.84	7.77	7.91	11480	522758	Tetrachloro-m-Xylene	0.020000	574013	-9.8	20.0		
9.34	9.29	9.43	16834	775960	alpha-BHC	0.020000	841695	-8.5	20.0		
10.16	10.11	10.25	15739	729192	gamma-BHC (Lindane)	0.020000	786965	-7.9	20.0		
10.40	10.34	10.48	6470	300532	beta-BHC	0.020000	323520	-7.6	20.0		
10.83	10.77	10.91	14914	689518	delta-BHC	0.020000	745713	-8.1	20.0		
11.35	11.29	11.43	14718	695465	Heptachlor	0.020000	735918	-5.8	20.0		
12.06	12.01	12.15	13641	636570	Aldrin	0.020000	682070	-7.1	20.0		
12.84			129								
13.47	13.42	13.56	12561	593700	Heptachlor Epoxide	0.020000	628025	-5.8	20.0		
13.76	13.70	13.84	12567	594875	gamma-Chlordane	0.020000	628350	-5.6	20.0		
14.05	14.00	14.14	10999	516712	alpha-Chlordane	0.020000	549945	-6.4	20.0		
14.24	14.19	14.33	21304	523741	4,4'-DDE	0.040000	532591	-1.7	20.0		
14.35	14.29	14.43	11189	548162	Endosulfan I	0.020000	559438	-2.1	20.0		
14.88	14.82	14.96	21769	515556	Dieldrin	0.040000	544215	-5.6	20.0		
15.17			571								
15.38	15.33	15.47	19903	463071	Endrin	0.040000	497587	-7.5	20.0		
15.54	15.48	15.62	16350	393458	4,4'-DDD	0.040000	408759	-3.9	20.0		
15.87	15.81	15.95	18876	450326	Endosulfan II	0.040000	471908	-4.8	20.0		
16.14	16.08	16.22	18670	454781	4,4'-DDT	0.040000	466745	-2.6	20.0		
16.77	16.71	16.85	14830	348470	Endrin Aldehyde	0.040000	370740	-6.4	20.0		
17.17	17.11	17.25	39407	194359	Methoxychlor	0.200000	197036	-1.4	20.0		
17.34			228								
17.70	17.65	17.79	16207	392055	Endosulfan sulfate	0.040000	405186	-3.3	20.0		
17.98			224								
18.30	18.24	18.38	18584	457258	Endrin Ketone	0.040000	464611	-1.6	20.0		
20.40	20.33	20.47	16174	408350	Decachlorobiphenyl	0.040000	404345	1.0	20.0		
23.36			159								

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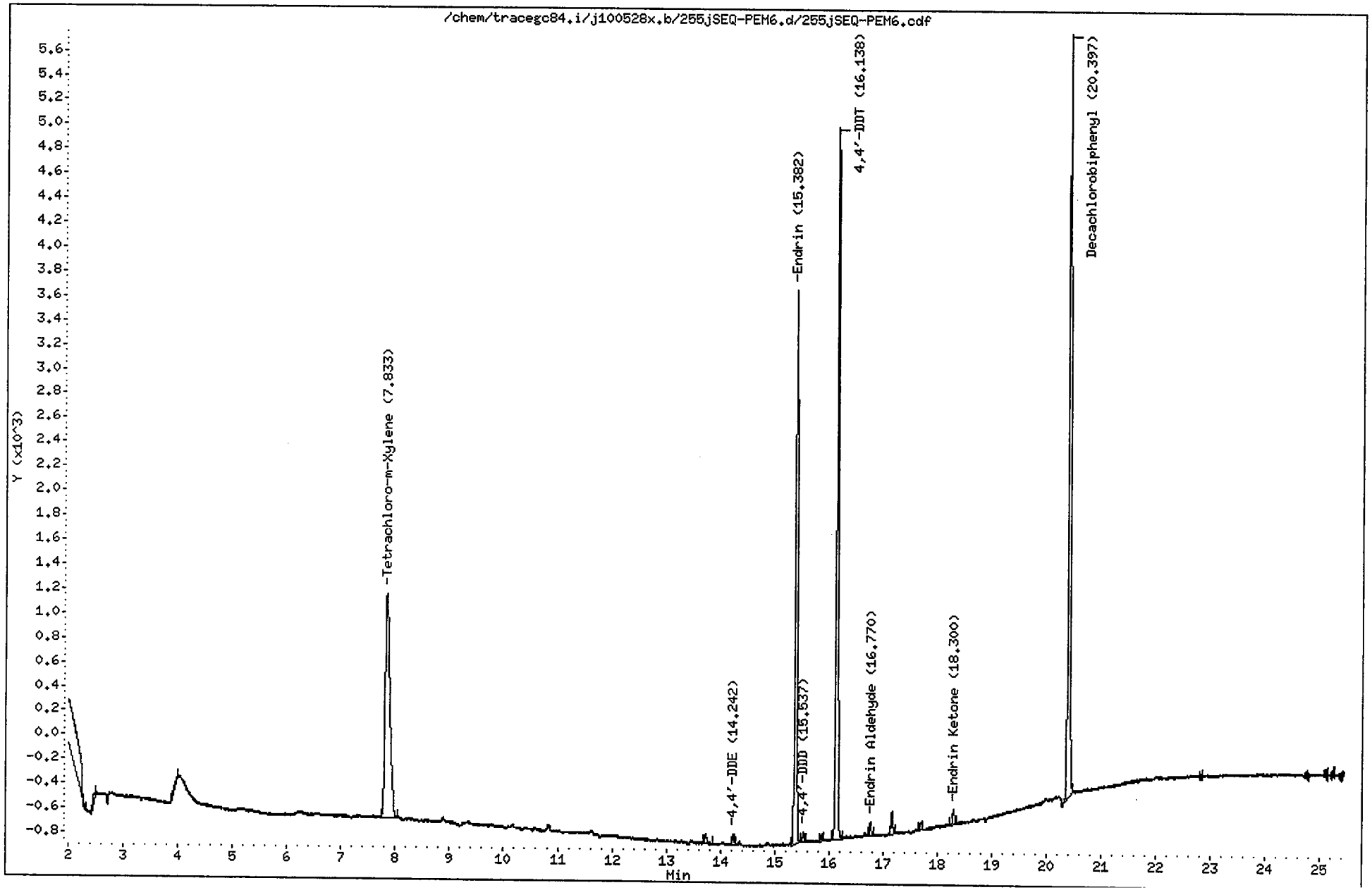
Data File: /chem/tracegc84.i/j100528x.b/255jSEQ-PEM6.d
Date : 05-JUN-2010 18:52
Client ID: PEMKX
Sample Info: SEQ-PEM6
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM6 Client Smp Id : PEMKX
Sample Type : SAMPLE Sublist : PEM
Inj Date : 05-JUN-2010 18:52 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528x.b/8081A_clpestv6.m
Misc. Info : PEMKX

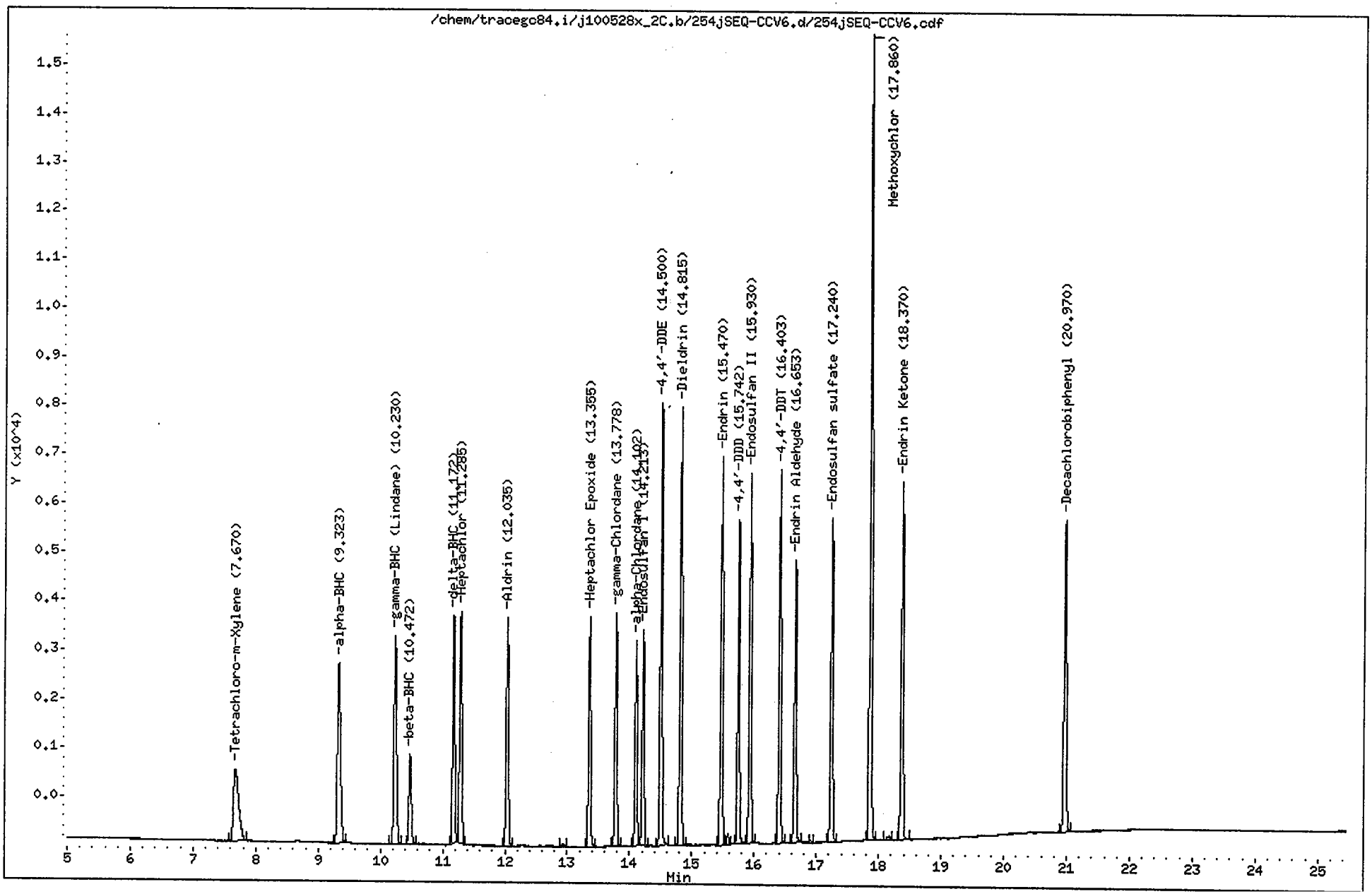
Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.37			397								
1.46			58039								
2.48			250								
4.00			202								
7.83	7.77	7.91	11354	522758	Tetrachloro-m-Xylene	0.021720	0.021720		109.7	43 - 135	
13.73			269								
14.24	14.19	14.33	209	523741	4,4'-DDE	0.000399	0.000399	0.020000			J
15.38	15.33	15.47	11517	463071	Endrin	0.024870	0.024870	0.020000			
15.54	15.48	15.62	181	393458	4,4'-DDD	0.000459	0.000459	0.020000			J
15.87			132								
16.14	16.08	16.22	14192	454781	4,4'-DDT	0.031206	0.031206	0.020000			
16.77	16.71	16.85	247	348470	Endrin Aldehyde	0.000709	0.000709	0.020000			J
17.17			414								
17.70			155								
18.30	18.24	18.38	317	457258	Endrin Ketone	0.000692	0.000692	0.020000			J
20.40	20.33	20.47	16026	408350	Decachlorobiphenyl	0.039246	0.039246		99.1	43 - 144	

Data File: /chem/tracegc84.i/j100528x_2C.b/254jSEQ-CCV6.d
Date : 05-JUN-2010 18:23
Client ID: INDC3KX
Sample Info: SEQ-CCV6
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc84.i
Operator: AHW
Column diameter: 0.32



CompuChem

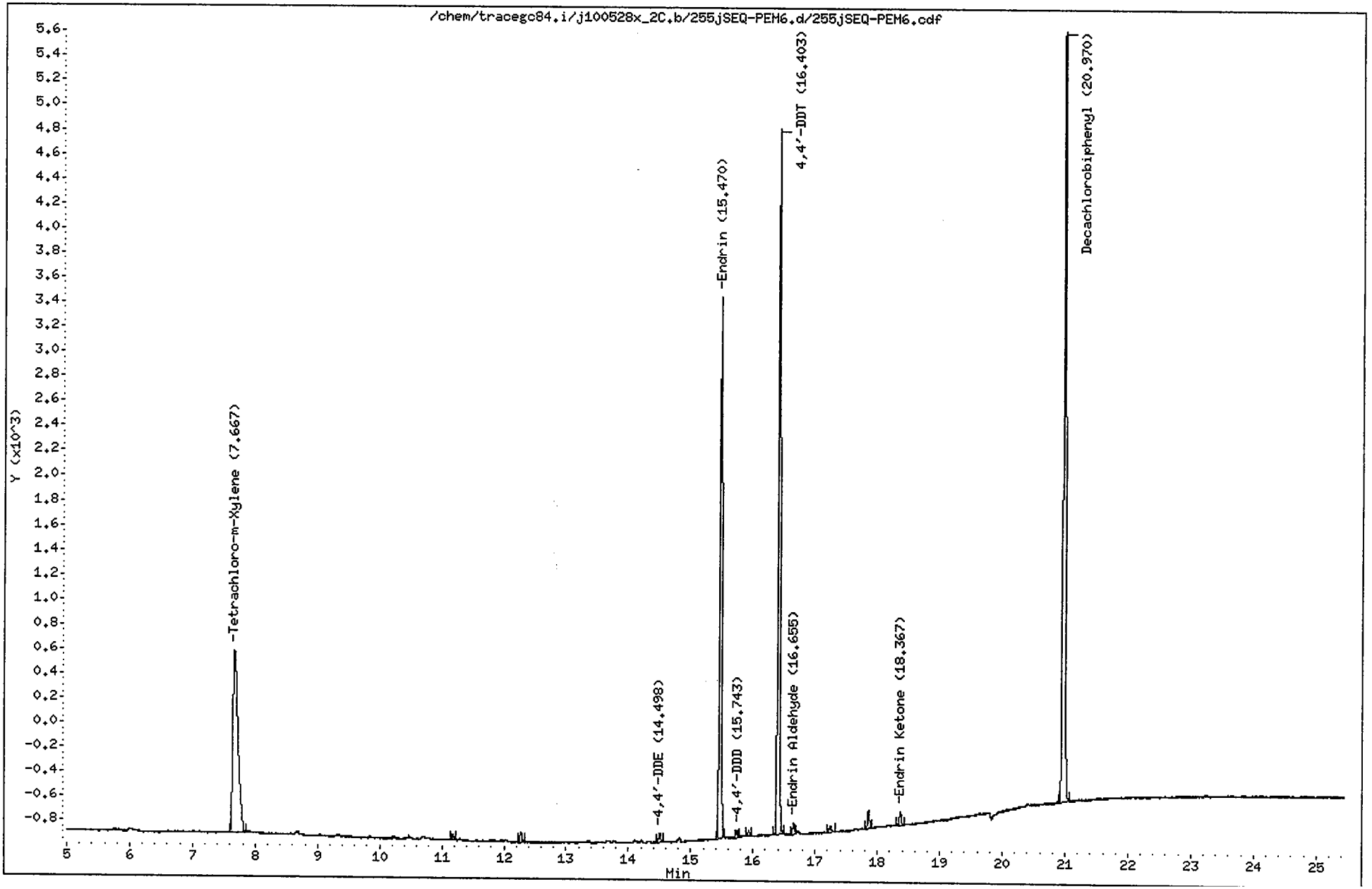
Lab Smp Id : SEQ-CCV6 Client Smp Id : INDC3KX
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 05-JUN-2010 18:23 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528x_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3KX

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.44			8525								
2.39			135								
3.34			274								
7.67	7.61	7.75	8639	416798	Tetrachloro-m-Xylene	0.020000	431950	-3.6	20.0		
9.32	9.26	9.40	12850	607758	alpha-BHC	0.020000	642480	-5.7	20.0		
10.23	10.17	10.31	12394	585542	gamma-BHC (Lindane)	0.020000	619695	-5.8	20.0		
10.47	10.41	10.55	5220	248610	beta-BHC	0.020000	261010	-5.0	20.0		
11.17	11.11	11.25	11398	551235	delta-BHC	0.020000	569915	-3.4	20.0		
11.28	11.22	11.36	12223	579497	Heptachlor	0.020000	611150	-5.5	20.0		
12.04	11.97	12.11	11415	542192	Aldrin	0.020000	570757	-5.3	20.0		
12.94			118								
13.36	13.29	13.43	10745	511912	Heptachlor Epoxide	0.020000	537250	-4.9	20.0		
13.78	13.71	13.85	10817	513150	gamma-Chlordane	0.020000	540870	-5.4	20.0		
14.10	14.04	14.18	9359	446248	alpha-Chlordane	0.020000	467928	-4.9	20.0		
14.21	14.15	14.29	10019	477982	Endosulfan I	0.020000	500930	-4.8	20.0		
14.50	14.43	14.57	19692	468602	4,4'-DDE	0.040000	492297	-5.1	20.0		
14.82	14.75	14.89	19566	461929	Dieldrin	0.040000	489150	-5.9	20.0		
15.47	15.40	15.54	17768	408649	Endrin	0.040000	444204	-8.7	20.0		
15.58			464								
15.74	15.67	15.81	14186	340626	4,4'-DDD	0.040000	354650	-4.1	20.0		
15.93	15.86	16.00	16957	404930	Endosulfan II	0.040000	423922	-4.7	20.0		
16.40	16.33	16.47	16472	405929	4,4'-DDT	0.040000	411810	-1.4	20.0		
16.65	16.59	16.73	13247	316985	Endrin Aldehyde	0.040000	331170	-4.5	20.0		
16.91			98								
17.24	17.17	17.31	15142	366674	Endosulfan sulfate	0.040000	378545	-3.2	20.0		
17.86	17.79	17.93	36736	182916	Methoxychlor	0.200000	183680	-0.4	20.0		
18.14			237								
18.37	18.30	18.44	17179	419519	Endrin Ketone	0.040000	429473	-2.4	20.0		
20.97	20.90	21.04	16278	406698	Decachlorobiphenyl	0.040000	406962	-0.1	20.0		

16/5/10

Data File: /chem/tracegc84.i/j100528x_2C.b/255jSEQ-PEM6.d
Date : 05-JUN-2010 18:52
Client ID: PEMKX
Sample Info: SEQ-PEM6
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc84.i
Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM6 Client Smp Id : PEMKX
Sample Type : SAMPLE Sublist : PEM
Inj Date : 05-JUN-2010 18:52 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528x_2C.b/8081A_clpest2v6.m
Misc. Info : PEMKX

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.43			10351								
2.40			133								
3.33			182								
7.67	7.61	7.75	8605	416798	Tetrachloro-m-Xylene	0.020646	0.020646		104.3	43 - 135	
11.18			123								
12.28			198								
14.50	14.43	14.57	150	468602	4,4'-DDE	0.000321	0.000321	0.020000			J
15.47	15.40	15.54	9772	408649	Endrin	0.023913	0.023913	0.020000			
15.74	15.67	15.81	136	340626	4,4'-DDD	0.000400	0.000400	0.020000			J
15.93			98								
16.40	16.33	16.47	12208	405929	4,4'-DDT	0.030075	0.030075	0.020000			
16.66	16.59	16.73	191	316985	Endrin Aldehyde	0.000603	0.000603	0.020000			J
17.24			152								
17.86			327								
18.37	18.30	18.44	254	419519	Endrin Ketone	0.000605	0.000605	0.020000			J
20.97	20.90	21.04	15984	406698	Decachlorobiphenyl	0.039302	0.039302		99.2	43 - 144	

16/7/10

Data File: /chem/tracegc84.i/j100528y.b/268jSEQ-CCV7.d

Date : 06-JUN-2010 01:08

Client ID: INDC3KZ

Sample Info: SEQ-CCV7

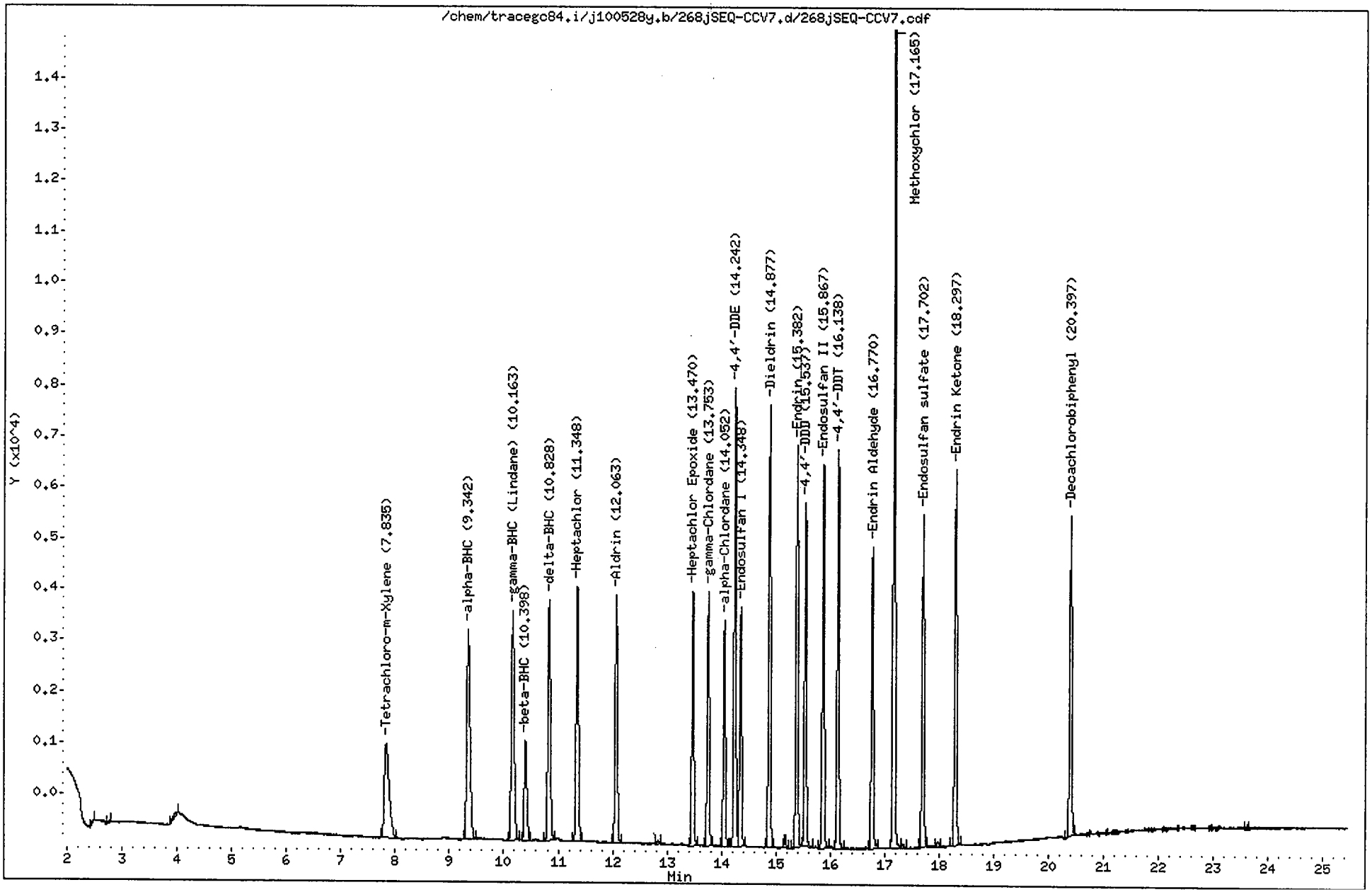
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV7 Client Smp Id : INDC3KZ
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 06-JUN-2010 01:08 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528y.b/8081A_clpestv6.m
Misc. Info : INDC3KZ

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.35			150								
1.45			30350								
2.48			168								
2.75			169								
3.99			365								
7.84	7.77	7.91	11332	522758	Tetrachloro-m-Xylene	0.020000	566598	-8.4	20.0		
9.34	9.29	9.43	16928	775960	alpha-BHC	0.020000	846403	-9.1	20.0		
10.16	10.11	10.25	15848	729192	gamma-BHC (Lindane)	0.020000	792383	-8.7	20.0		
10.40	10.34	10.48	6529	300532	beta-BHC	0.020000	326473	-8.6	20.0		
10.83	10.77	10.91	14932	689518	delta-BHC	0.020000	746608	-8.3	20.0		
11.35	11.29	11.43	14969	695465	Heptachlor	0.020000	748460	-7.6	20.0		
12.06	12.01	12.15	13720	636570	Aldrin	0.020000	686020	-7.8	20.0		
12.84			147								
13.47	13.42	13.56	12705	593700	Heptachlor Epoxide	0.020000	635240	-7.0	20.0		
13.75	13.70	13.84	12679	594875	gamma-Chlordane	0.020000	633945	-6.6	20.0		
14.05	14.00	14.14	11145	516712	alpha-Chlordane	0.020000	557230	-7.8	20.0		
14.24	14.19	14.33	22059	523741	4,4'-DDE	0.040000	551464	-5.3	20.0		
14.35	14.29	14.43	11958	548162	Endosulfan I	0.020000	597900	-9.1	20.0		
14.88	14.82	14.96	21762	515556	Dieldrin	0.040000	544049	-5.5	20.0		
15.16			589								
15.38	15.33	15.47	19866	463071	Endrin	0.040000	496650	-7.3	20.0		
15.54	15.48	15.62	16537	393458	4,4'-DDD	0.040000	413421	-5.1	20.0		
15.87	15.81	15.95	19041	450326	Endosulfan II	0.040000	476025	-5.7	20.0		
16.14	16.08	16.22	18865	454781	4,4'-DDT	0.040000	471630	-3.7	20.0		
16.77	16.71	16.85	14940	348470	Endrin Aldehyde	0.040000	373491	-7.2	20.0		
17.16	17.11	17.25	39468	194359	Methoxychlor	0.200000	197338	-1.5	20.0		
17.34			227								
17.70	17.65	17.79	16288	392055	Endosulfan sulfate	0.040000	407205	-3.9	20.0		
17.98			257								
18.30	18.24	18.38	19030	457258	Endrin Ketone	0.040000	475753	-4.0	20.0		
20.40	20.33	20.47	16398	408350	Decachlorobiphenyl	0.040000	409960	-0.4	20.0		
23.60			153								

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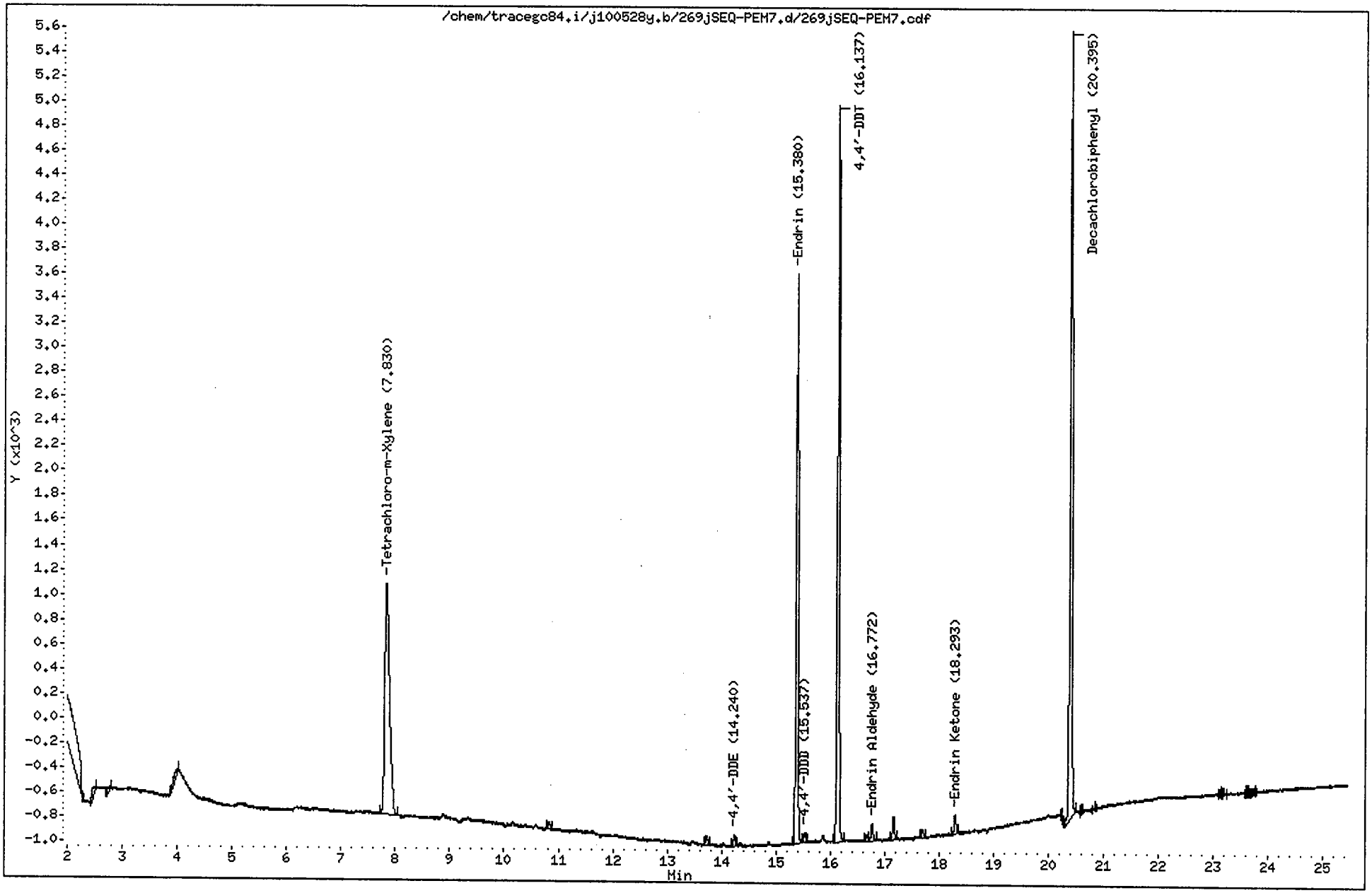
Data File: /chem/tracegc84.i/j100528y.b/269jSEQ-PEM7.d
Date : 06-JUN-2010 01:37
Client ID: PEMKZ
Sample Info: SEQ-PEM7
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i

Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM7 Client Smp Id : PEMKZ
Sample Type : SAMPLE Sublist : PEM
Inj Date : 06-JUN-2010 01:37 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528y.b/8081A_clpestv6.m
Misc. Info : PEMKZ

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.35			512								
1.45			56729								
2.48			288								
2.75			145								
4.00			312								
7.83	7.77	7.91	11534	522758	Tetrachloro-m-Xylene	0.022064	0.022064		111.4	43 - 135	
10.84			194								
13.73			216								
14.24	14.19	14.33	226	523741	4,4'-DDE	0.000432	0.000432	0.020000			J
15.38	15.33	15.47	11654	463071	Endrin	0.025167	0.025167	0.020000			
15.54	15.48	15.62	174	393458	4,4'-DDD	0.000442	0.000442	0.020000			J
16.14	16.08	16.22	14615	454781	4,4'-DDT	0.032136	0.032136	0.020000			
16.67			123								
16.77	16.71	16.85	368	348470	Endrin Aldehyde	0.001056	0.001056	0.020000			J
17.17			426								
17.70			161								
18.29	18.24	18.38	400	457258	Endrin Ketone	0.000874	0.000874	0.020000			J
20.24			157								
20.40	20.33	20.47	16709	408350	Decachlorobiphenyl	0.040917	0.040917		103.3	43 - 144	
23.59			228								
23.68			149								

Data File: /chem/tracegc84.i/j100528y_2C.b/268jSEQ-CCV7.d

Date : 06-JUN-2010 01:08

Client ID: INDC3KZ

Sample Info: SEQ-CCV7

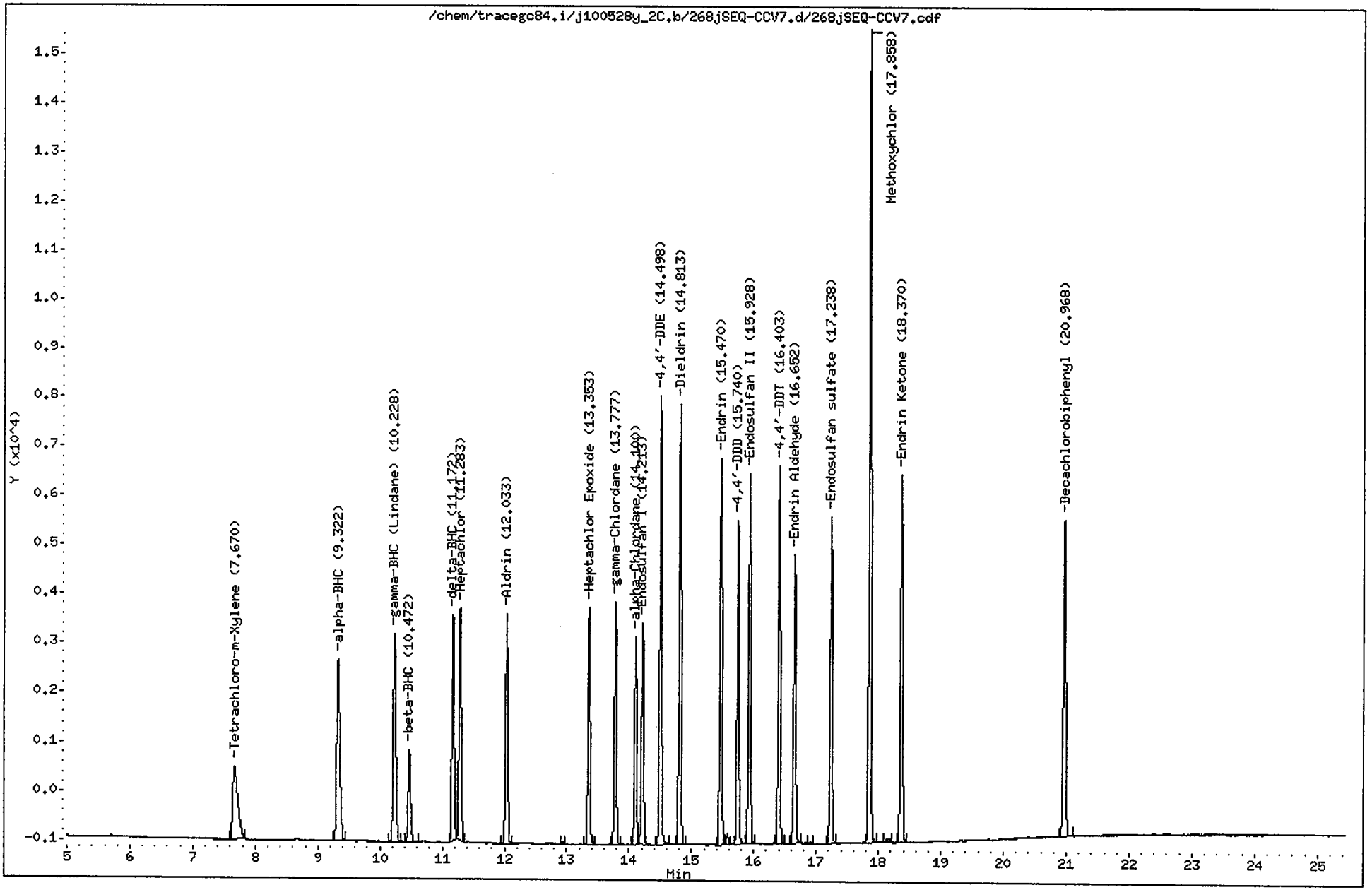
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



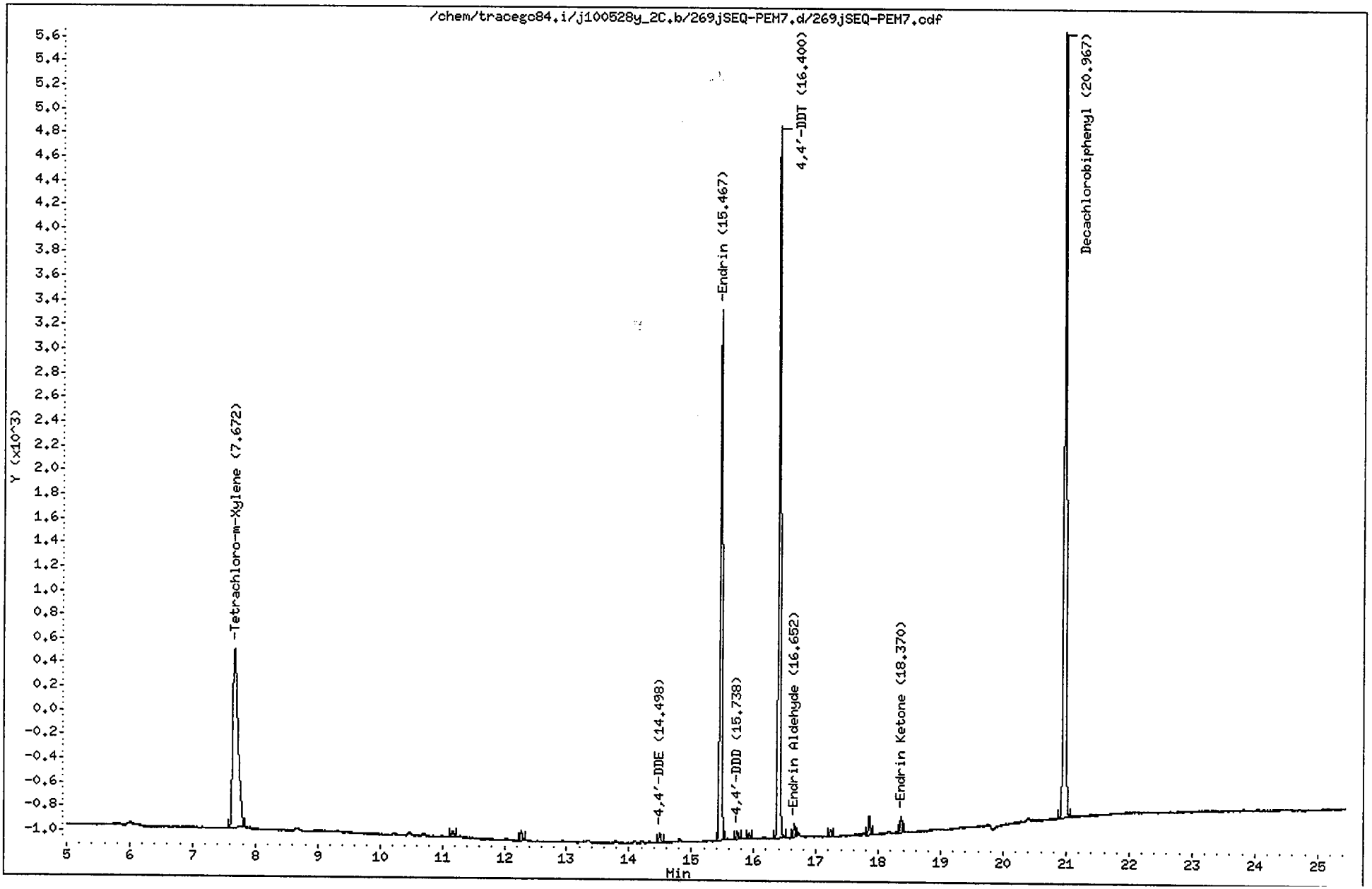
CompuChem

Lab Smp Id : SEQ-CCV7 Client Smp Id : INDC3KZ
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 06-JUN-2010 01:08 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528y_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3KZ

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.45			8298								
3.33			186								
7.67	7.61	7.75	8659	416798	Tetrachloro-m-Xylene	0.020000	432950	-3.9	20.0		
9.32	9.26	9.40	12878	607758	alpha-BHC	0.020000	643905	-5.9	20.0		
10.23	10.17	10.31	12449	585542	gamma-BHC (Lindane)	0.020000	622445	-6.3	20.0		
10.47	10.41	10.55	5255	248610	beta-BHC	0.020000	262763	-5.7	20.0		
11.17	11.11	11.25	11302	551235	delta-BHC	0.020000	565120	-2.5	20.0		
11.28	11.22	11.36	12298	579497	Heptachlor	0.020000	614887	-6.1	20.0		
12.03	11.97	12.11	11517	542192	Aldrin	0.020000	575825	-6.2	20.0		
12.94			108								
13.35	13.29	13.43	10862	511912	Heptachlor Epoxide	0.020000	543078	-6.1	20.0		
13.78	13.71	13.85	10943	513150	gamma-Chlordane	0.020000	547163	-6.6	20.0		
14.10	14.04	14.18	9484	446248	alpha-Chlordane	0.020000	474195	-6.3	20.0		
14.21	14.15	14.29	10144	477982	Endosulfan I	0.020000	507185	-6.1	20.0		
14.50	14.43	14.57	19839	468602	4,4'-DDE	0.040000	495973	-5.8	20.0		
14.81	14.75	14.89	19762	461929	Dieldrin	0.040000	494038	-7.0	20.0		
15.47	15.40	15.54	17680	408649	Endrin	0.040000	442006	-8.2	20.0		
15.58			473								
15.74	15.67	15.81	14197	340626	4,4'-DDD	0.040000	354915	-4.2	20.0		
15.93	15.86	16.00	17152	404930	Endosulfan II	0.040000	428811	-5.9	20.0		
16.40	16.33	16.47	16622	405929	4,4'-DDT	0.040000	415545	-2.4	20.0		
16.65	16.59	16.73	13407	316985	Endrin Aldehyde	0.040000	335168	-5.7	20.0		
16.91			102								
17.24	17.17	17.31	15244	366674	Endosulfan sulfate	0.040000	381110	-3.9	20.0		
17.86	17.79	17.93	36752	182916	Methoxychlor	0.200000	183758	-0.5	20.0		
18.14			252								
18.37	18.30	18.44	17463	419519	Endrin Ketone	0.040000	436583	-4.1	20.0		
20.97	20.90	21.04	16529	406698	Decachlorobiphenyl	0.040000	413220	-1.6	20.0		

Data File: /chem/tracegc84.i/j100528y_2C.b/269jSEQ-PEM7.d
Date : 06-JUN-2010 01:37
Client ID: PEMKZ
Sample Info: SEQ-PEM7
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: tracegc84.i
Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM7 Client Smp Id : PEMKZ
Sample Type : SAMPLE Sublist : PEM
Inj Date : 06-JUN-2010 01:37 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528y_2C.b/8081A_clpest2v6.m
Misc. Info : PEMKZ

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.44			9924								
2.39			101								
3.33			201								
7.67	7.61	7.75	8729	416798	Tetrachloro-m-Xylene	0.020943	0.020943		105.8	43 - 135	
11.17			125								
12.28			193								
14.50	14.43	14.57	164	468602	4,4'-DDE	0.000349	0.000349	0.020000			J
15.47	15.40	15.54	9865	408649	Endrin	0.024141	0.024141	0.020000			
15.74	15.67	15.81	135	340626	4,4'-DDD	0.000396	0.000396	0.020000			J
15.93			98								
16.40	16.33	16.47	12628	405929	4,4'-DDT	0.031110	0.031110	0.020000			
16.65	16.59	16.73	218	316985	Endrin Aldehyde	0.000687	0.000687	0.020000			J
17.24			130								
17.86			330								
18.37	18.30	18.44	301	419519	Endrin Ketone	0.000719	0.000719	0.020000			J
20.97	20.90	21.04	16569	406698	Decachlorobiphenyl	0.040740	0.040740		102.9	43 - 144	

Data File: /chem/tracegc84.i/j100528z.b/282jSEQ-CCV8.d

Date : 06-JUN-2010 07:53

Client ID: INDC3LB

Sample Info: SEQ-CCV8

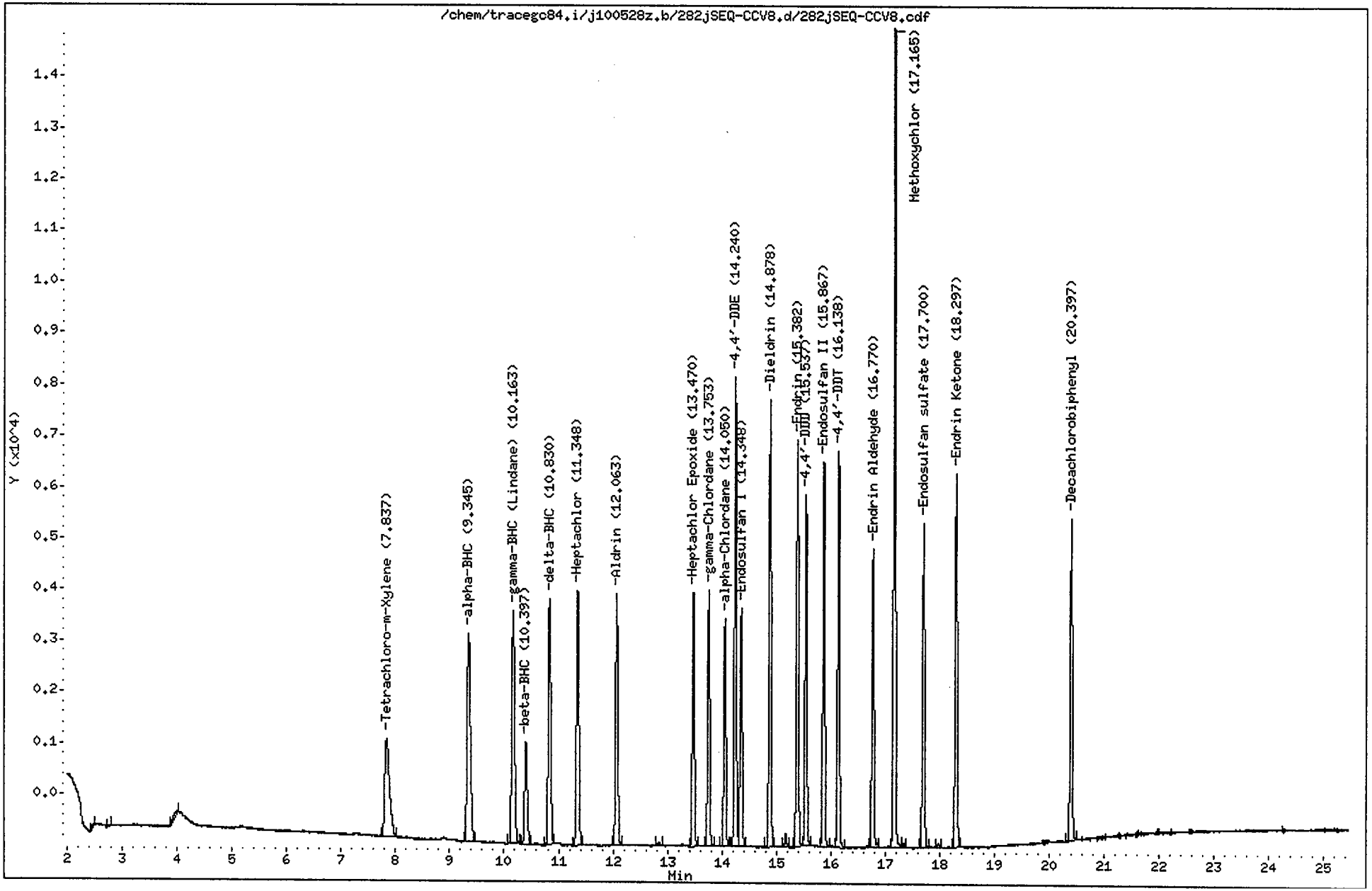
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV8 Client Smp Id : INDC3LB
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 06-JUN-2010 07:53 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528z.b/8081A_clpestv6.m
Misc. Info : INDC3LB

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.36			199								
1.46			28758								
2.48			161								
2.75			154								
4.01			576								
7.84	7.77	7.91	11516	522758	Tetrachloro-m-Xylene	0.020000	575810	-10.1	20.0		
9.34	9.29	9.43	17045	775960	alpha-BHC	0.020000	852240	-9.8	20.0		
10.16	10.11	10.25	15979	729192	gamma-BHC (Lindane)	0.020000	798937	-9.6	20.0		
10.40	10.34	10.48	6617	300532	beta-BHC	0.020000	330825	-10.1	20.0		
10.83	10.77	10.91	14982	689518	delta-BHC	0.020000	749100	-8.6	20.0		
11.35	11.29	11.43	15068	695465	Heptachlor	0.020000	753400	-8.3	20.0		
12.06	12.01	12.15	13851	636570	Aldrin	0.020000	692565	-8.8	20.0		
12.83			178								
13.47	13.42	13.56	12763	593700	Heptachlor Epoxide	0.020000	638157	-7.5	20.0		
13.75	13.70	13.84	12798	594875	gamma-Chlordane	0.020000	639895	-7.6	20.0		
14.05	14.00	14.14	11240	516712	alpha-Chlordane	0.020000	562000	-8.8	20.0		
14.24	14.19	14.33	22153	523741	4,4'-DDE	0.040000	553813	-5.7	20.0		
14.35	14.29	14.43	12035	548162	Endosulfan I	0.020000	601730	-9.8	20.0		
14.88	14.82	14.96	21997	515556	Dieldrin	0.040000	549931	-6.7	20.0		
15.17			578								
15.38	15.33	15.47	20103	463071	Endrin	0.040000	502582	-8.5	20.0		
15.54	15.48	15.62	16449	393458	4,4'-DDD	0.040000	411233	-4.5	20.0		
15.87	15.81	15.95	18895	450326	Endosulfan II	0.040000	472380	-4.9	20.0		
16.14	16.08	16.22	18719	454781	4,4'-DDT	0.040000	467981	-2.9	20.0		
16.77	16.71	16.85	14733	348470	Endrin Aldehyde	0.040000	368315	-5.7	20.0		
17.16	17.11	17.25	38767	194359	Methoxychlor	0.200000	193834	0.3	20.0		
17.34			185								
17.70	17.65	17.79	16155	392055	Endosulfan sulfate	0.040000	403887	-3.0	20.0		
17.98			240								
18.30	18.24	18.38	18631	457258	Endrin Ketone	0.040000	465783	-1.9	20.0		
20.40	20.33	20.47	16042	408350	Decachlorobiphenyl	0.040000	401039	1.8	20.0		

Data File: /chem/tracegc84.i/j100528z.b/283jSEQ-PEM8.d

Date : 06-JUN-2010 08:22

Client ID: PEMLB

Instrument: tracegc84.i

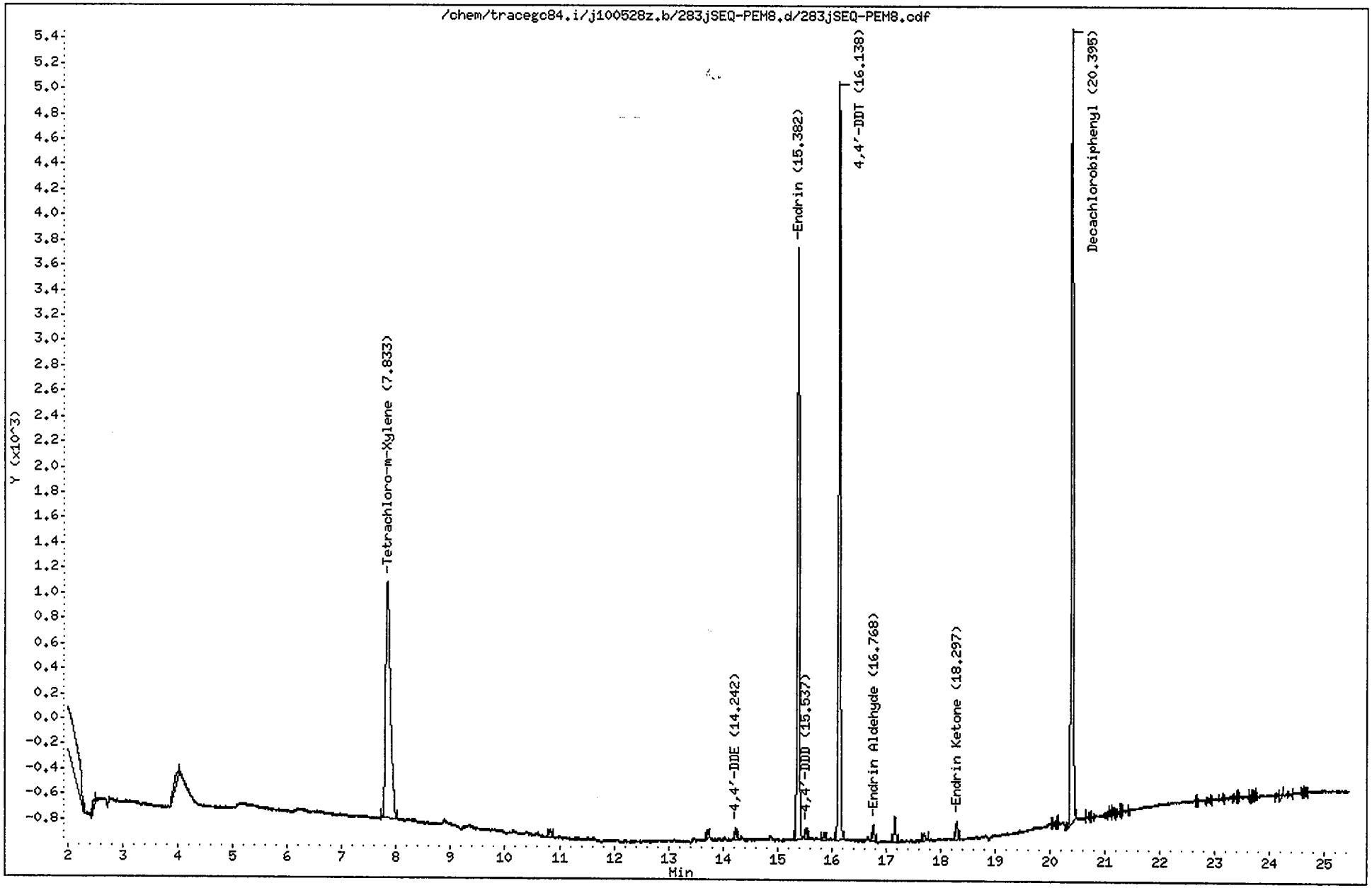
Sample Info: SEQ-PEM8

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM8 Client Smp Id : PEMLB
Sample Type : SAMPLE Sublist : PEM
Inj Date : 06-JUN-2010 08:22 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528z.b/8081A_clpestv6.m
Misc. Info : PEMLB

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.35			328								
1.46			54089								
2.49			167								
4.01			541								
7.83	7.77	7.91	11499	522758	Tetrachloro-m-Xylene	0.021997	0.021997		111.1	43 - 135	
10.83			196								
13.72			168								
14.24	14.19	14.33	229	523741	4,4'-DDE	0.000438	0.000438	0.020000			J
15.38	15.33	15.47	11793	463071	Endrin	0.025468	0.025468	0.020000			
15.54	15.48	15.62	191	393458	4,4'-DDD	0.000485	0.000485	0.020000			J
15.86			152								
16.14	16.08	16.22	14558	454781	4,4'-DDT	0.032011	0.032011	0.020000			
16.77	16.71	16.85	345	348470	Endrin Aldehyde	0.000991	0.000991	0.020000			J
17.16			513								
17.70			181								
18.30	18.24	18.38	360	457258	Endrin Ketone	0.000788	0.000788	0.020000			J
20.13			142								
20.40	20.33	20.47	16469	408350	Decachlorobiphenyl	0.040330	0.040330		101.8	43 - 144	
21.33			127								
23.68			173								
24.17			126								

16/7/10

Data File: /chem/tracegc84.i/j100528z_2C.b/282jSEQ-CCV8.d

Date : 06-JUN-2010 07:53

Client ID: INDC3LB

Sample Info: SEQ-CCV8

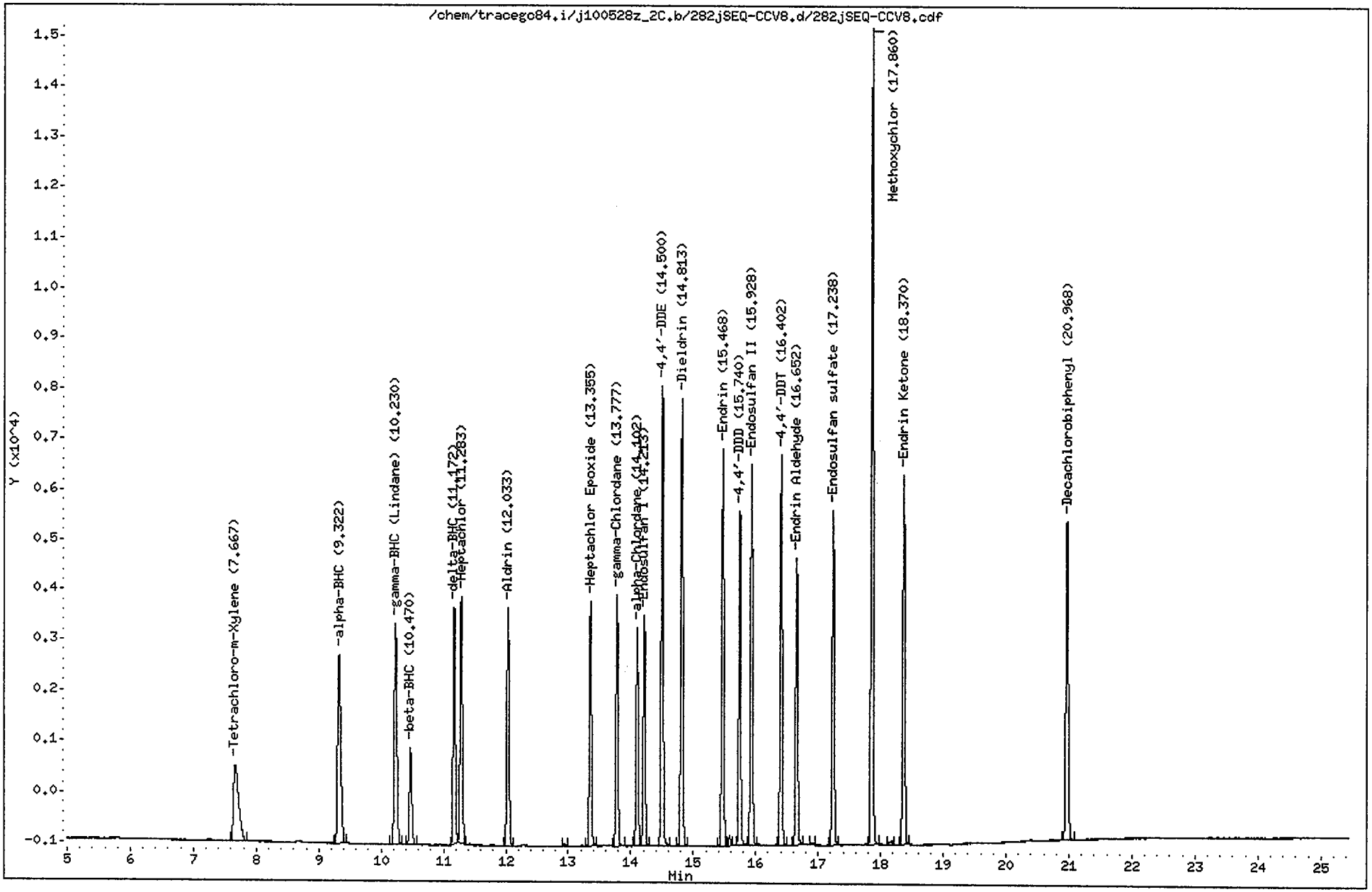
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV8 Client Smp Id : INDC3LB
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 06-JUN-2010 07:53 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528z_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3LB

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.45			8576								
1.80			164								
2.40			93								
3.33			324								
7.67	7.61	7.75	8786	416798	Tetrachloro-m-Xylene	0.020000	439310	-5.4	20.0		
9.32	9.26	9.40	13009	607758	alpha-BHC	0.020000	650428	-7.0	20.0		
10.23	10.17	10.31	12589	585542	gamma-BHC (Lindane)	0.020000	629440	-7.5	20.0		
10.47	10.41	10.55	5302	248610	beta-BHC	0.020000	265090	-6.6	20.0		
11.17	11.11	11.25	11544	551235	delta-BHC	0.020000	577198	-4.7	20.0		
11.28	11.22	11.36	12445	579497	Heptachlor	0.020000	622237	-7.4	20.0		
12.03	11.97	12.11	11644	542192	Aldrin	0.020000	582180	-7.4	20.0		
12.94			113								
13.36	13.29	13.43	10954	511912	Heptachlor Epoxide	0.020000	547680	-7.0	20.0		
13.78	13.71	13.85	11062	513150	gamma-Chlordane	0.020000	553097	-7.8	20.0		
14.10	14.04	14.18	9544	446248	alpha-Chlordane	0.020000	477210	-6.9	20.0		
14.21	14.15	14.29	10207	477982	Endosulfan I	0.020000	510365	-6.8	20.0		
14.50	14.43	14.57	19964	468602	4,4'-DDE	0.040000	499104	-6.5	20.0		
14.81	14.75	14.89	19850	461929	Dieldrin	0.040000	496257	-7.4	20.0		
15.47	15.40	15.54	17789	408649	Endrin	0.040000	444725	-8.8	20.0		
15.58			455								
15.74	15.67	15.81	14207	340626	4,4'-DDD	0.040000	355185	-4.3	20.0		
15.93	15.86	16.00	17030	404930	Endosulfan II	0.040000	425747	-5.1	20.0		
16.40	16.33	16.47	16441	405929	4,4'-DDT	0.040000	411013	-1.3	20.0		
16.65	16.59	16.73	13251	316985	Endrin Aldehyde	0.040000	331285	-4.5	20.0		
16.91			106								
17.24	17.17	17.31	15040	366674	Endosulfan sulfate	0.040000	375999	-2.5	20.0		
17.86	17.79	17.93	36195	182916	Methoxychlor	0.200000	180974	1.1	20.0		
18.14			254								
18.37	18.30	18.44	17161	419519	Endrin Ketone	0.040000	429025	-2.3	20.0		
20.97	20.90	21.04	16216	406698	Decachlorobiphenyl	0.040000	405400	0.3	20.0		

Data File: /chem/tracegc84.i/j100528z_2C.b/283jSEQ-PEM8.d

Date : 06-JUN-2010 08:22

Client ID: PEMLB

Sample Info: SEQ-PEM8

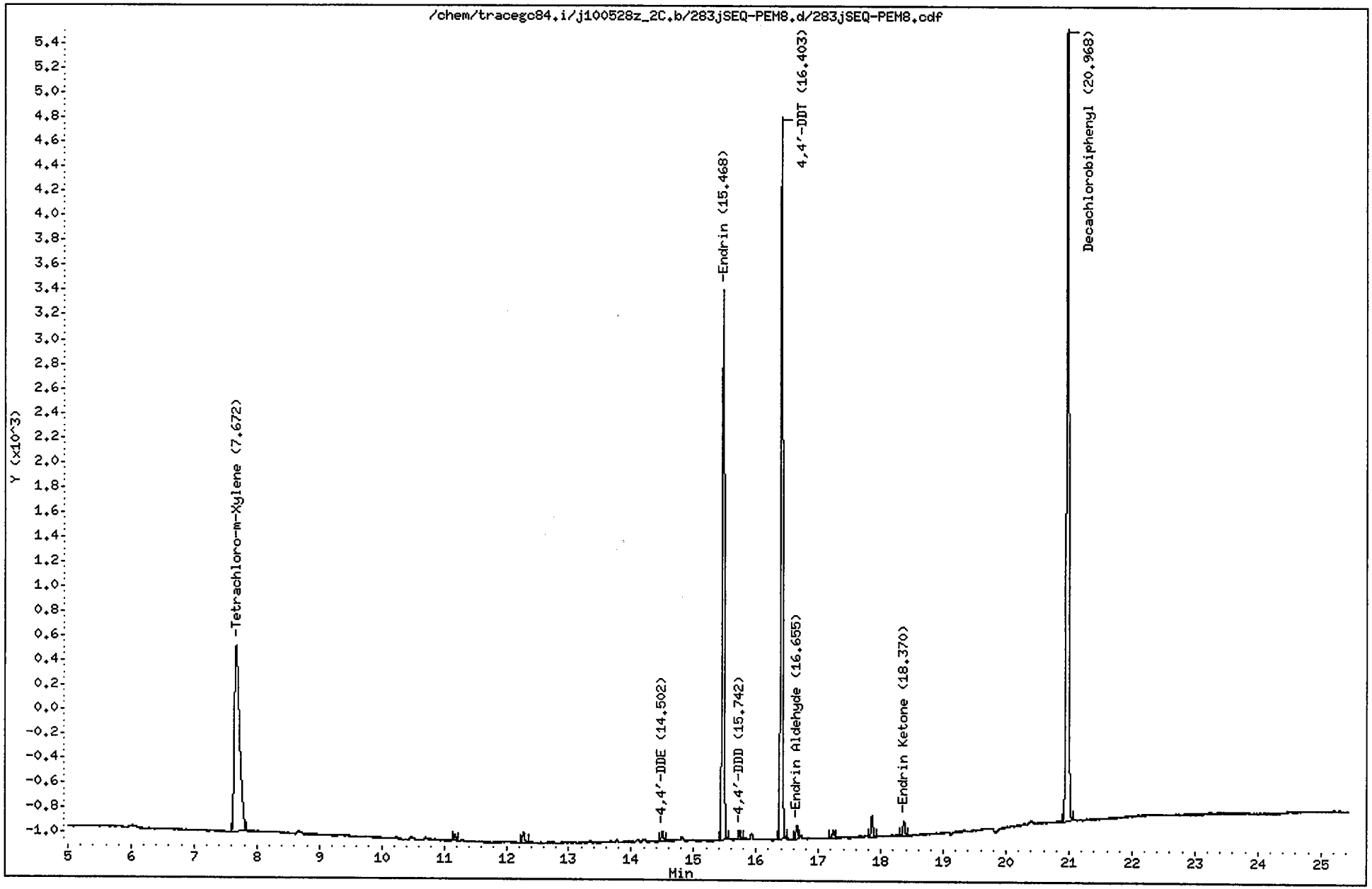
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM8 Client Smp Id : PEMLB
Sample Type : SAMPLE Sublist : PEM
Inj Date : 06-JUN-2010 08:22 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528z_2C.b/8081A_clpest2v6.m
Misc. Info : PEMLB

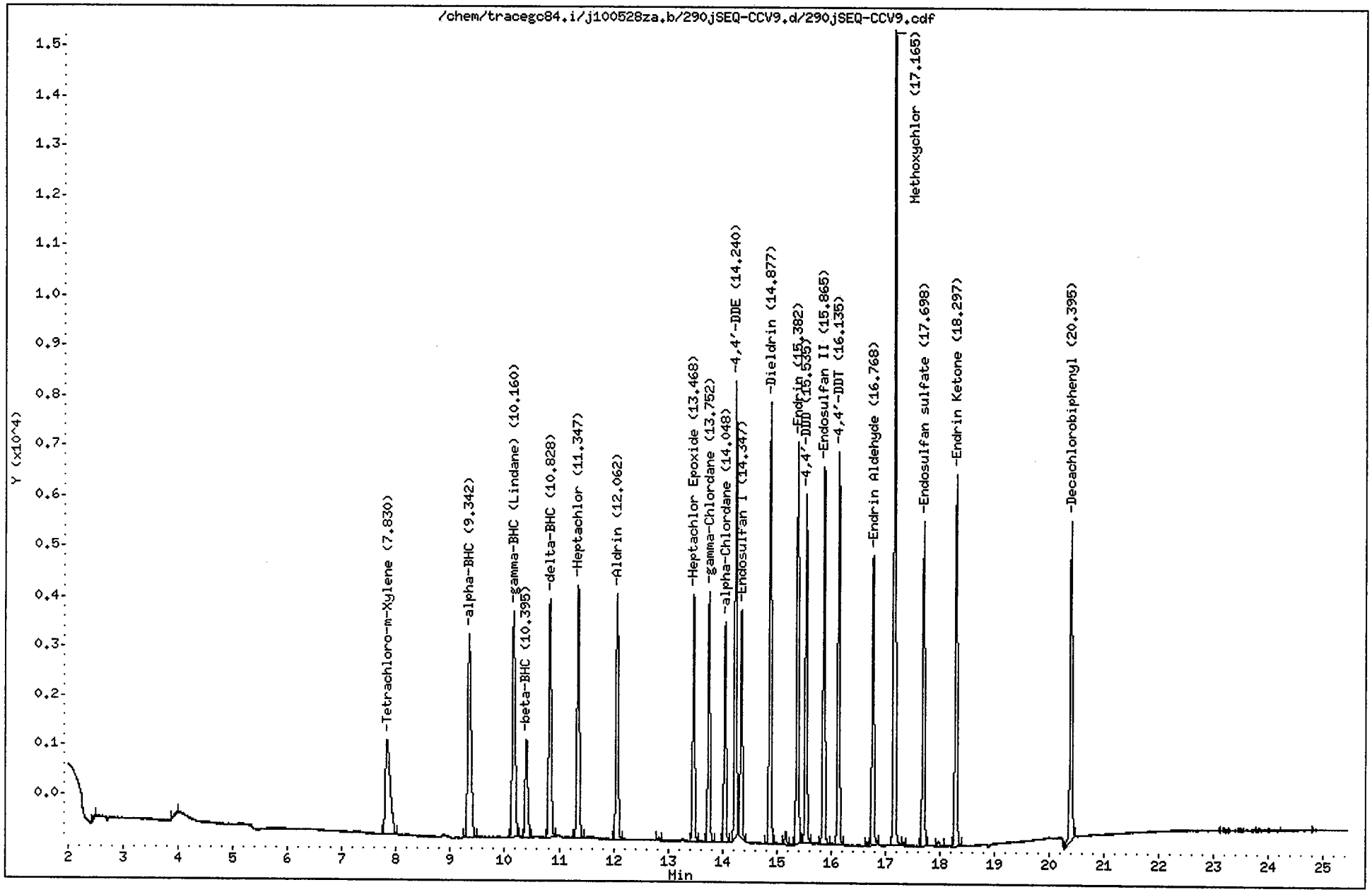
Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.43			7528								
2.39			105								
3.29			96								
7.67	7.61	7.75	8801	416798	Tetrachloro-m-Xylene	0.021115	0.021115		106.6	43 - 135	
11.18			130								
12.28			208								
14.50	14.43	14.57	174	468602	4,4'-DDE	0.000371	0.000371	0.020000			J
15.47	15.40	15.54	9999	408649	Endrin	0.024468	0.024468	0.020000			
15.74	15.67	15.81	140	340626	4,4'-DDD	0.000411	0.000411	0.020000			J
16.40	16.33	16.47	12564	405929	4,4'-DDT	0.030950	0.030950	0.020000			
16.66	16.59	16.73	228	316985	Endrin Aldehyde	0.000720	0.000720	0.020000			J
17.24			137								
17.86			384								
18.37	18.30	18.44	295	419519	Endrin Ketone	0.000703	0.000703	0.020000			J
20.97	20.90	21.04	16540	406698	Decachlorobiphenyl	0.040670	0.040670		102.7	43 - 144	

Data File: /chem/tracegc84.i/j100528za.b/290jSEQ-CCV9.d
Date : 06-JUN-2010 11:44
Client ID: INDC3LD
Sample Info: SEQ-CCV9
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i
Operator: AHW
Column diameter: 0.32



CompuChem

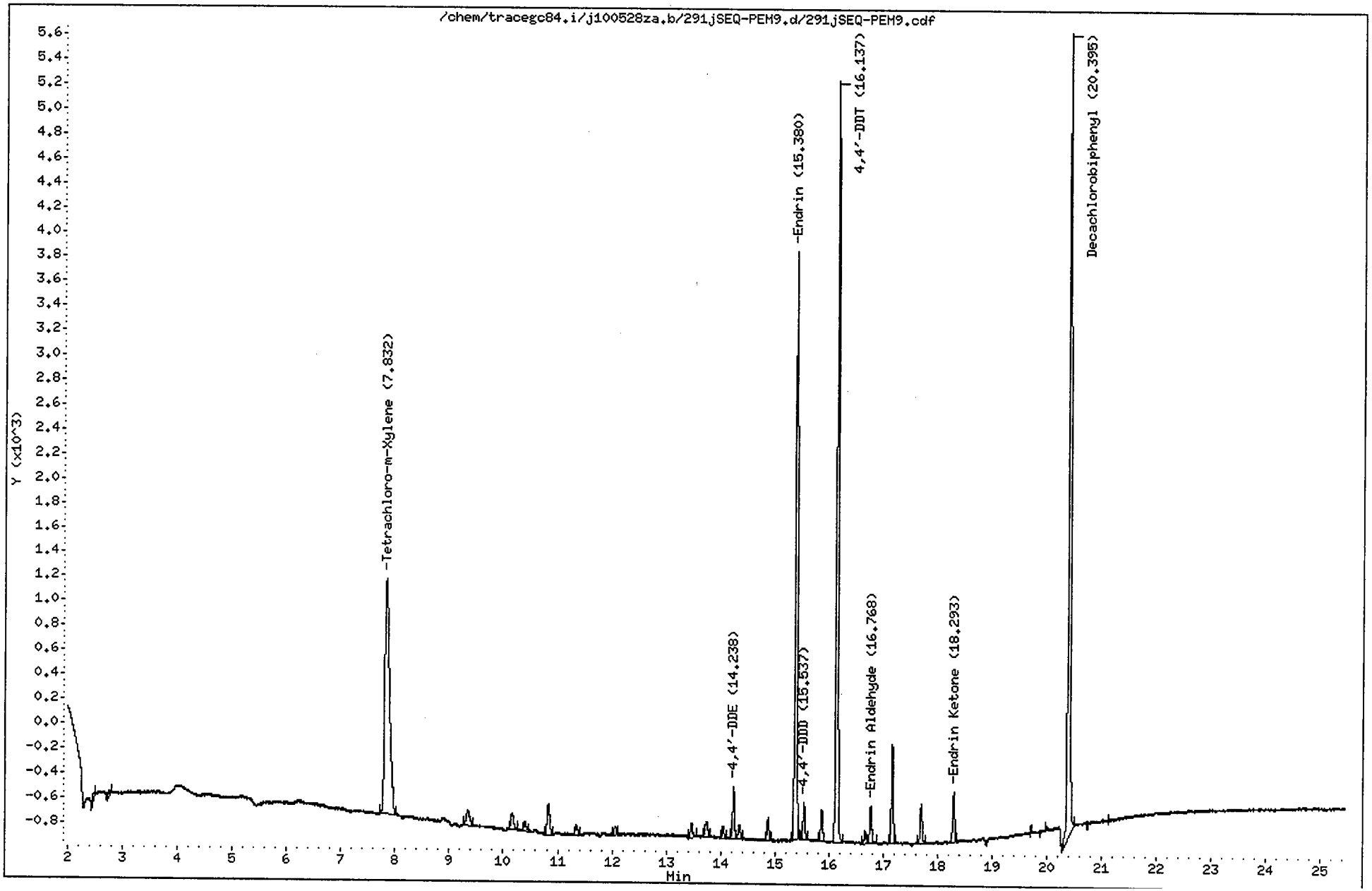
Lab Smp Id : SEQ-CCV9 Client Smp Id : INDC3LD
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 06-JUN-2010 11:44 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528za.b/8081A_clpestv6.m
Misc. Info : INDC3LD

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.35			190								
1.46			32486								
2.48			139								
3.98			148								
7.83	7.77	7.91	11539	522758	Tetrachloro-m-Xylene	0.020000	576953	-10.4	20.0		
9.34	9.29	9.43	17270	775960	alpha-BHC	0.020000	863487	-11.3	20.0		
10.16	10.11	10.25	16100	729192	gamma-BHC (Lindane)	0.020000	805015	-10.4	20.0		
10.40	10.34	10.48	6661	300532	beta-BHC	0.020000	333070	-10.8	20.0		
10.83	10.77	10.91	15109	689518	delta-BHC	0.020000	755458	-9.6	20.0		
11.35	11.29	11.43	15240	695465	Heptachlor	0.020000	762003	-9.6	20.0		
12.06	12.01	12.15	13992	636570	Aldrin	0.020000	699590	-9.9	20.0		
12.84			185								
13.47	13.42	13.56	12987	593700	Heptachlor Epoxide	0.020000	649370	-9.4	20.0		
13.75	13.70	13.84	13016	594875	gamma-Chlordane	0.020000	650800	-9.4	20.0		
14.05	14.00	14.14	11360	516712	alpha-Chlordane	0.020000	568005	-9.9	20.0		
14.24	14.19	14.33	21896	523741	4,4'-DDE	0.040000	547396	-4.5	20.0		
14.35	14.29	14.43	11551	548162	Endosulfan I	0.020000	577555	-5.4	20.0		
14.88	14.82	14.96	22403	515556	Dieldrin	0.040000	560085	-8.6	20.0		
15.16			611								
15.38	15.33	15.47	20471	463071	Endrin	0.040000	511784	-10.5	20.0		
15.54	15.48	15.62	16851	393458	4,4'-DDD	0.040000	421280	-7.1	20.0		
15.86	15.81	15.95	19437	450326	Endosulfan II	0.040000	485923	-7.9	20.0		
16.14	16.08	16.22	19147	454781	4,4'-DDT	0.040000	478666	-5.3	20.0		
16.66			177								
16.77	16.71	16.85	15049	348470	Endrin Aldehyde	0.040000	376222	-8.0	20.0		
17.16	17.11	17.25	39858	194359	Methoxychlor	0.200000	199290	-2.5	20.0		
17.34			193								
17.70	17.65	17.79	16586	392055	Endosulfan sulfate	0.040000	414652	-5.8	20.0		
17.98			269								
18.30	18.24	18.38	19210	457258	Endrin Ketone	0.040000	480246	-5.0	20.0		
20.40	20.33	20.47	17324	408350	Decachlorobiphenyl	0.040000	433100	-6.1	20.0		

1617

Data File: /chem/tracegc84.i/j100528za.b/291jSEQ-PEM9.d
Date : 06-JUN-2010 12:13
Client ID: PEMLD
Sample Info: SEQ-PEM9
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i
Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM9 Client Smp Id : PEMLD
Sample Type : SAMPLE Sublist : PEM
Inj Date : 06-JUN-2010 12:13 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528za.b/8081A_clpestv6.m
Misc. Info : PEMLD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.35			126								
1.46			2912								
2.48			130								
2.75			189								
7.83	7.77	7.91	11797	522758	Tetrachloro-m-Xylene	0.022568	0.022568		114.0	43 - 135	
9.35			534								
10.16			509								
10.40			272								
10.83			839								
11.35			247								
12.06			205								
13.47			351								
13.75			435								
14.05			234								
14.24	14.19	14.33	1015	523741	4,4'-DDE	0.001938	0.001938	0.020000			J
14.35			280								
14.87			444								
15.38	15.33	15.47	12151	463071	Endrin	0.026240	0.026240	0.020000			
15.54	15.48	15.62	731	393458	4,4'-DDD	0.001859	0.001859	0.020000			J
15.87			649								
16.14	16.08	16.22	15101	454781	4,4'-DDT	0.033204	0.033204	0.020000			
16.66			241								
16.77	16.71	16.85	758	348470	Endrin Aldehyde	0.002176	0.002176	0.020000			J
17.16			1865								
17.70			815								
18.29	18.24	18.38	1001	457258	Endrin Ketone	0.002189	0.002189	0.020000			J
20.40	20.33	20.47	17401	408350	Decachlorobiphenyl	0.042613	0.042613		107.6	43 - 144	

16/7/10

Data File: /chem/tracegc84.i/j100528za_2C.b/290jSEQ-CCV9.d

Date : 06-JUN-2010 11:44

Client ID: INDC3LD

Sample Info: SEQ-CCV9

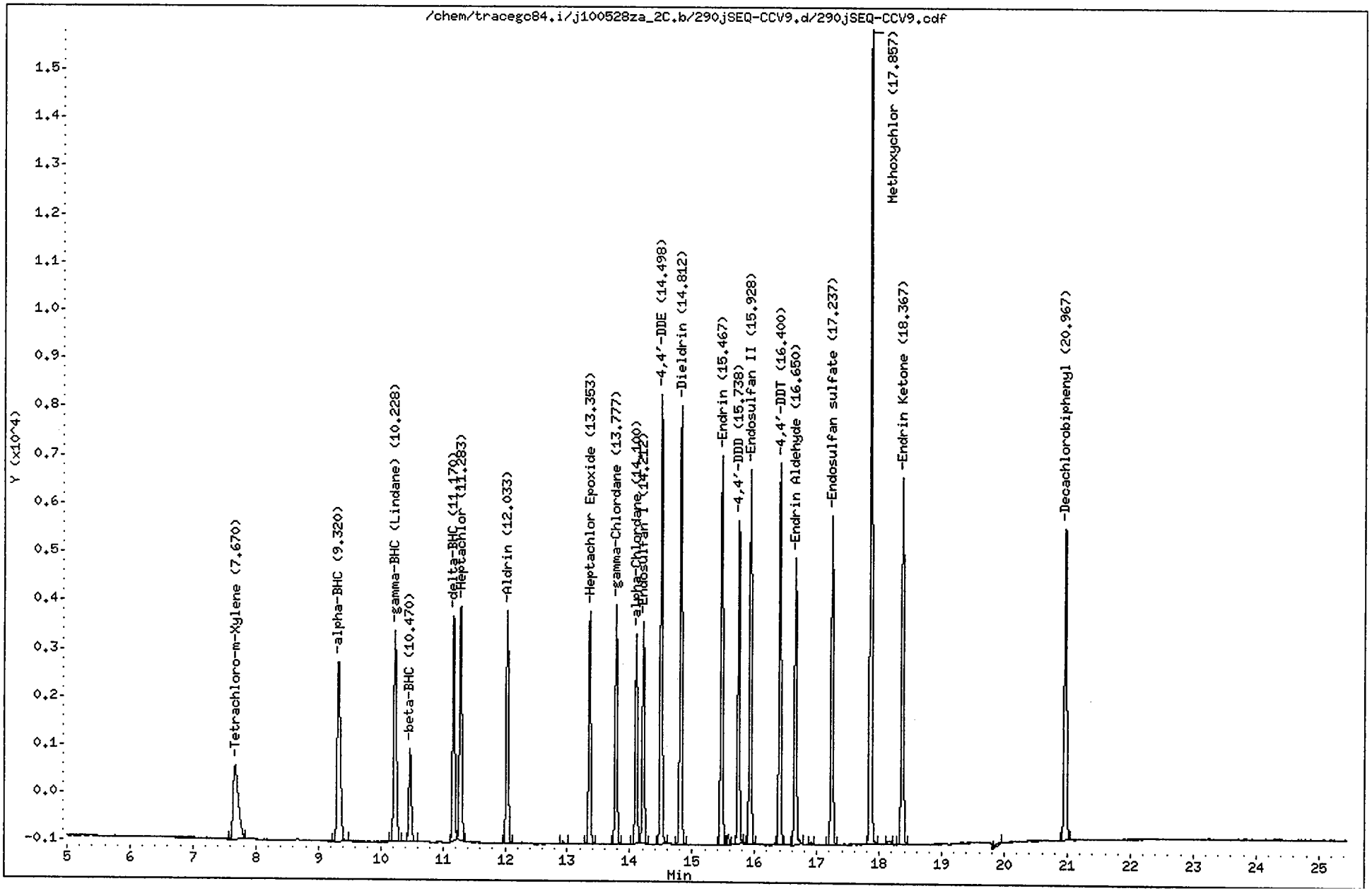
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCV9 Client Smp Id : INDC3LD
Sample Type : CONT CAL: Level 3 Sublist : INDA
Inj Date : 06-JUN-2010 11:44 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528za_2C.b/8081A_clpest2v6.m
Misc. Info : INDC3LD

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	STD AMT ON-COLUMN (Ng)	CCAL RF	%D	%D LIMIT	FLAGS	
1.31			92								
1.45			8494								
7.67	7.61	7.75	8831	416798	Tetrachloro-m-Xylene	0.020000	441530	-5.9	20.0		
9.32	9.26	9.40	13230	607758	alpha-BHC	0.020000	661480	-8.8	20.0		
10.23	10.17	10.31	12698	585542	gamma-BHC (Lindane)	0.020000	634875	-8.4	20.0		
10.47	10.41	10.55	5355	248610	beta-BHC	0.020000	267750	-7.7	20.0		
11.17	11.11	11.25	11559	551235	delta-BHC	0.020000	577932	-4.8	20.0		
11.28	11.22	11.36	12597	579497	Heptachlor	0.020000	629865	-8.7	20.0		
12.03	11.97	12.11	11798	542192	Aldrin	0.020000	589907	-8.8	20.0		
12.94			160								
13.35	13.29	13.43	11079	511912	Heptachlor Epoxide	0.020000	553935	-8.2	20.0		
13.78	13.71	13.85	11195	513150	gamma-Chlordane	0.020000	559753	-9.1	20.0		
14.10	14.04	14.18	9692	446248	alpha-Chlordane	0.020000	484578	-8.6	20.0		
14.21	14.15	14.29	10347	477982	Endosulfan I	0.020000	517355	-8.2	20.0		
14.50	14.43	14.57	20244	468602	4,4'-DDE	0.040000	506093	-8.0	20.0		
14.81	14.75	14.89	20209	461929	Dieldrin	0.040000	505217	-9.4	20.0		
15.47	15.40	15.54	18291	408649	Endrin	0.040000	457286	-11.9	20.0		
15.58			485								
15.74	15.67	15.81	14504	340626	4,4'-DDD	0.040000	362592	-6.4	20.0		
15.93	15.86	16.00	17485	404930	Endosulfan II	0.040000	437135	-8.0	20.0		
16.40	16.33	16.47	16916	405929	4,4'-DDT	0.040000	422892	-4.2	20.0		
16.65	16.59	16.73	13703	316985	Endrin Aldehyde	0.040000	342576	-8.1	20.0		
16.91			123								
17.24	17.17	17.31	15490	366674	Endosulfan sulfate	0.040000	387243	-5.6	20.0		
17.86	17.79	17.93	37335	182916	Methoxychlor	0.200000	186674	-2.1	20.0		
18.14			243								
18.37	18.30	18.44	17661	419519	Endrin Ketone	0.040000	441532	-5.2	20.0		
19.95			261								
20.97	20.90	21.04	16780	406698	Decachlorobiphenyl	0.040000	419497	-3.1	20.0		

Data File: /chem/tracegc84.i/j100528za_2C.b/291jSEQ-PEM9.d

Date : 06-JUN-2010 12:13

Client ID: PEMLD

Instrument: tracegc84.i

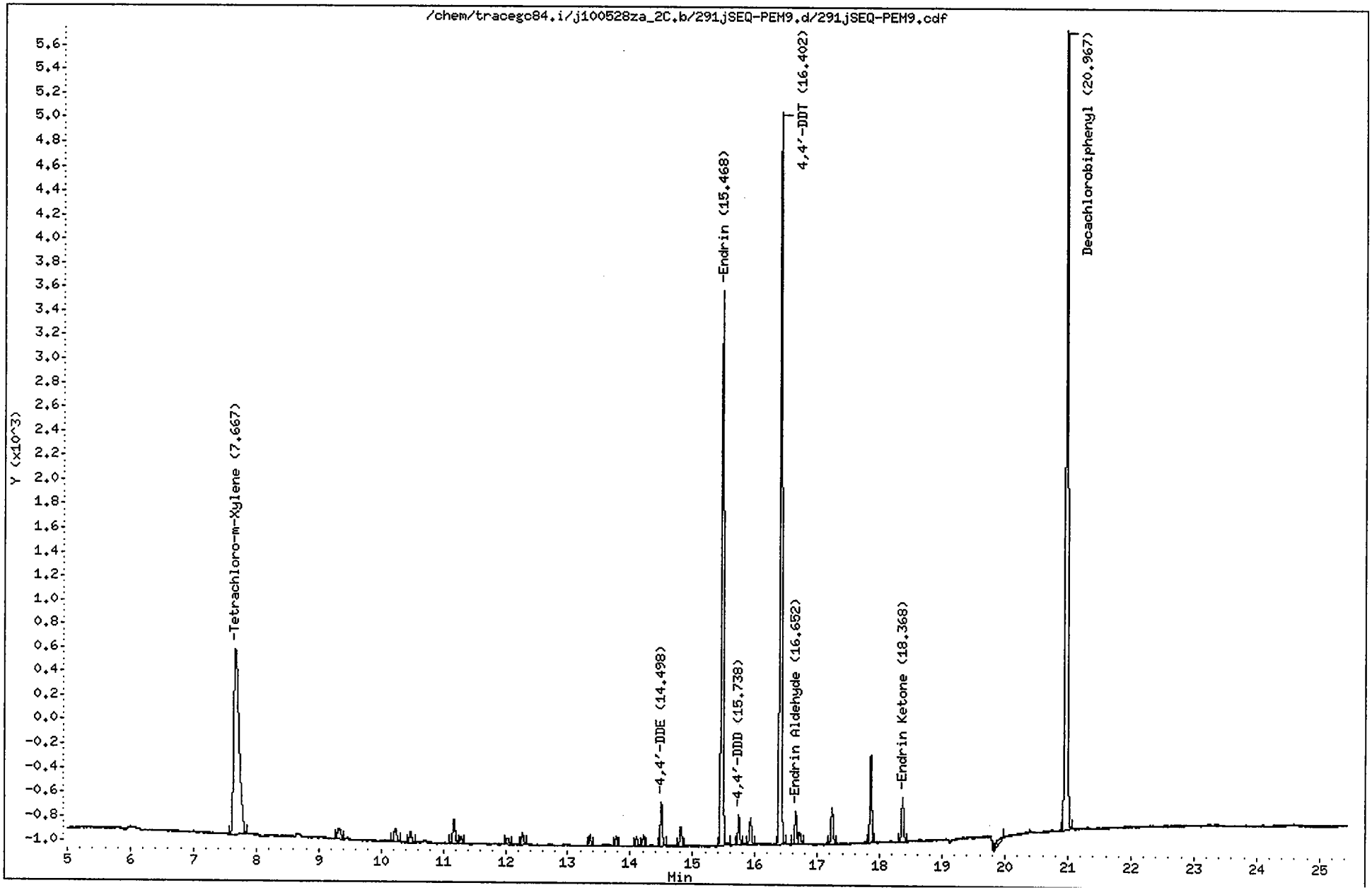
Sample Info: SEQ-PEM9

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-PEM9 Client Smp Id : PEMLD
Sample Type : SAMPLE Sublist : PEM
Inj Date : 06-JUN-2010 12:13 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528za_2C.b/8081A_clpest2v6.m
Misc. Info : PEMLD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 1000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.43			1648								
7.67	7.61	7.75	9008	416798	Tetrachloro-m-Xylene	0.021614	0.021614		109.2	43 - 135	
9.32			341								
10.23			356								
10.47			243								
11.17			540								
11.28			159								
12.03			153								
12.27			235								
13.35			197								
13.78			183								
14.10			185								
14.21			206								
14.50	14.43	14.57	774	468602	4,4'-DDE	0.001651	0.001651	0.020000			J
14.81			355								
15.47	15.40	15.54	10395	408649	Endrin	0.025437	0.025437	0.020000			
15.74	15.67	15.81	516	340626	4,4'-DDD	0.001516	0.001516	0.020000			J
15.93			501								
16.40	16.33	16.47	13025	405929	4,4'-DDT	0.032087	0.032087	0.020000			
16.65	16.59	16.73	596	316985	Endrin Aldehyde	0.001881	0.001881	0.020000			J
16.71			228								
17.23			670								
17.86			1533								
18.37	18.30	18.44	825	419519	Endrin Ketone	0.001966	0.001966	0.020000			J
19.97			290								
20.97	20.90	21.04	16868	406698	Decachlorobiphenyl	0.041475	0.041475		104.7	43 - 144	

COMPUCHEM a Division of Liberty Analytical Corp Instrument ID 84/85 Sequence ID: 100528 Date 5/28/10

GC EXTRACTABLES RUN LOG Amt.Inj. 2 µL (1 µL per column)

LOGBOOK 4 N (4) 38 Method: 8081A 8081B 8082 8082A 8151A SOM01.2 or Other: _____

405

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		1	✓	5/28/10	Hexane	STD	NA	AHW	NA
2		2	✓	/ /	Hexane	↓			↓
3		3	✓	/ /	0E27012 -DEM	6E21002			PEMHA
4		4	✓	/ /	CAL 1	0C20001			INDC1 HA
5		5	✓	/ /	2	0C26002			2
6		6	✓	/ /	3	0E11005			3
7		7	✓	/ /	4	0C26004			4
8		8	✓	/ /	5	0C26005			5
9		9	✓	/ /	ARC 1	0016008			TOXAPH3HA
10		10	✓	/ /	2	0C02004			CHLOR03HA
11		11	✓	/ /	CAL6 ~~CAL5~~ AHW 6/1/10	0824009			AR16601 HA
12		12	✓	/ /	CAL7	0824010			2
13		13	✓	/ /	8	0E14002			3
14		14	✓	/ /	9	0824013			4
15		15	✓	AHW 6/1/10	A	0824014			5
16		16	✓	5~~5~~/29/10	ARC 3	0E20004			AR 12213 HA
17		17	✓	/ /	4	0E18016			1232
18		18	✓	/ /	5	0E20010			1242
19		19	✓	/ /	6	0E17012			1248
20		20	✓	/ /	7	0C17011			1254

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Calibration ID: NA - 6/1/10 Sequence ID: 0E27012 Hexane Lot No 71940

REVIEWED BY: _____ DATE 6/1/10

03/17/10: jad

COMPUCHEM a Division of Liberty Analytical Corp Instrument ID 84/85 Sequence ID: 100528 Date 5/29/10

GC EXTRACTABLES RUN LOG Amt.Inj. 2 µL (1 µL per column)

LOGBOOK 4 N (4) 38 Method: ~~8081A~~ 8081B 8082 8082A 8151A SOM01.2 or Other: _____

406

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		21	✓	5/29/10	OE27012-ICV1	OE25016	NA	AHW	PESTCHKHA
2		22	✓	〃	〃 ICV2	0801002	〃	〃	PCBCHKHA
3				/ /					
4				/ /					
5				/ /					
6				/ /					
7				/ /					
8				/ /					
9				/ /					
10				/ /					
11				/ /					
12				/ /					
13				/ /					
14				/ /					
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
20				/ /					

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Calibration ID: _____ Sequence ID: OE27012 Hexane Lot No 71940

REVIEWED BY: _____ DATE 6/1/10

03/17/10: jad

COMPUCHEM a Division of Liberty Analytical Corp
GC EXTRACTABLES RUN LOG
LOGBOOK 4 N (4) 39

Instrument ID: 84 Sequence ID: 100528X Date 6/5/10
Amt.Inj. 2 µL (1 µL per column)

Method: (8081A) 8081B 8082 8082A 8151A SOM01.2 ARO SOM01.2 Pest SOM01.2 or Other: _____

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		253		6/5/10	SEQ-CCV6	OF01001	PIBLKWKX	[illegible]	
2		254		/ /	-CCV6	OE11005	1AMPCSKX		
3		255		/ /	-PEM6	OF21002	PEMEX		
4		256		/ /	100526-68	100526			
5		257		/ /	605 2763-BLK1	100527			
6		258		/ /	-BS1				
7		259		/ /	-BSD1				
8		260		/ /	100527-61				
9		261		/ /	02				
10		262		/ /	03				
11		263		/ /	04				
12		264		/ /	05				
13		265		/ /	06				
14		266		6/6/10	SEQ-1BL7	OE0501			
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
20				/ /					

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

KH 6/7/10

Calibration ID: NA Sequence ID: NA Hexane Lot No 71940

REVIEWED BY: KH DATE 6/7/10

05/20/10: jad

COMPUCHEM a Division of Liberty Analytical Corp
GC EXTRACTABLES RUN LOG
LOGBOOK 4 N (4) 39

Instrument ID: 84 Sequence ID: j100528y Date 6/8/10
Amt.Inj. 2 µL (1 µL per column)

Method: 8081A 8081B 8082 8082A 8151A SOM01.2 ARO SOM01.2 Pest SOM01.2 or Other: _____

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		267	✓	6/6/10	SEQ-CCB7	060701	PIBLKKTKZ	CL	
2		268	✓	/ /	-CCV7	0E1105	100L5KZ		
3		269	✓	/ /	-BLK7	062102	NEMKZ		
4		270	✓	/ /	DW52803-BKL1	100T87			
5		271	✓	/ /	-LCS1				
6		272	✓	/ /	-MS1				
7		273	✓	/ /	-MSD1				
8		274	✓	/ /	100T87-01				
9		275	✓	/ /	02				
10		276	✓	/ /	05				
11		277	✓	/ /	10				
12		278	✓	/ /	11				
13		279	✓	/ /	12				
14		280	✓	/ /	SEQ-1BLK	060701			
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
20				/ /					

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

KEH 6/9/10

Calibration ID: NA Sequence ID: NA Hexane Lot No 7940

REVIEWED BY: KEH DATE 6/9/10

05/20/10: jad

COMPUCHEM a Division of Liberty Analytical Corp
GC EXTRACTABLES RUN LOG
LOGBOOK 4 N (4) 39

Instrument ID: 84 Sequence ID: 1W1282 Date 6/6/10
Amt.Inj. 2 µL (1 µL per column)

Method: (8081A) 8081B 8082 8082A 8151A SOM01.2 ARO SOM01.2 Pest SOM01.2 or Other: _____

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		281	✓	6/6/10	5E0-11648 6/7/10	OE0701	PIBLKCAL5	LP	
2		282	✓	/ /	-11649 & 11650	OE1107	1WDCS16		
3		283	✓	/ /	-PEM84 4	OE2102	PBMLB		
4		284	✓	/ /	1WS187-13	1WT187			
5		285	✓	/ /	14				
6		286	✓	/ /	15				
7		287	✓	/ /	16				
8		288	✓	/ /	5E0-11649	OE0701			
9				/ /					
10				/ /					
11				/ /					
12				/ /					
13				/ /					
14				/ /					
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
20				/ /					

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

HCH 6/9/10

Calibration ID: NA Sequence ID: NA Hexane Lot No 71940

REVIEWED BY: HCH DATE 6/9/10

05/20/10: jad

COMPUCHEM a Division of Liberty Analytical Corp
GC EXTRACTABLES RUN LOG
LOGBOOK 4 N (4) 39

Instrument ID: 84 Sequence ID: J100282ZA Date 6 / 6 / 10

Amt.Inj. 2 µL (1 µL per column)

Method: (8081A 8081B) 8082 8082A 8151A SOM01.2 ARO SOM01.2 Pest SOM01.2 or Other: ______

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		289	✓	6 / 6 / 10	SEQ - 4469	GEG2001			
2		290	✓	/ /	-4409	OE1105	PIBUKCCLD	[initials]	
3		291	✓	/ /	-DEM9	OE21002	I040C5LD		
4				/ /			DOMCD		
5				/ /					
6				/ /					
7				/ /					
8				/ /					
9				/ /					
10				/ /					
11				/ /					
12				/ /					
13				/ /					
14				/ /					
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
20				/ /					

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

[initials] 6/9/10

Calibration ID: NA

Sequence ID: NA

Hexane Lot No 7940

REVIEWED BY: [signature]

DATE 6/9/10

05/20/10: jad

4. Raw QC Data

    a. Blank Data

    b. Laboratory Control Sample Data

    c. Matrix Spike Data

    d. Matrix Spike Duplicate Data

a. Blank Data

Arranged by type of blank

i) Method blanks shall be in chronological order, by extraction date.
ii) Instrument blanks shall be in chronological order, by GC column and instrument.
iii) Sulfur cleanup blanks (if needed) shall be in chronological order, by date of analysis.

- Tabulated Results (Form I)
- Chromatograms and date system printout(s) for each GC column and instrument used for analysis.

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKDC

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 0052703-BLK1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/27/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc84.i/j100528x.b/257j0052703-BLK1.d

Date : 05-JUN-2010 19:50

Client ID: PBLKDC

Instrument: tracegc84.i

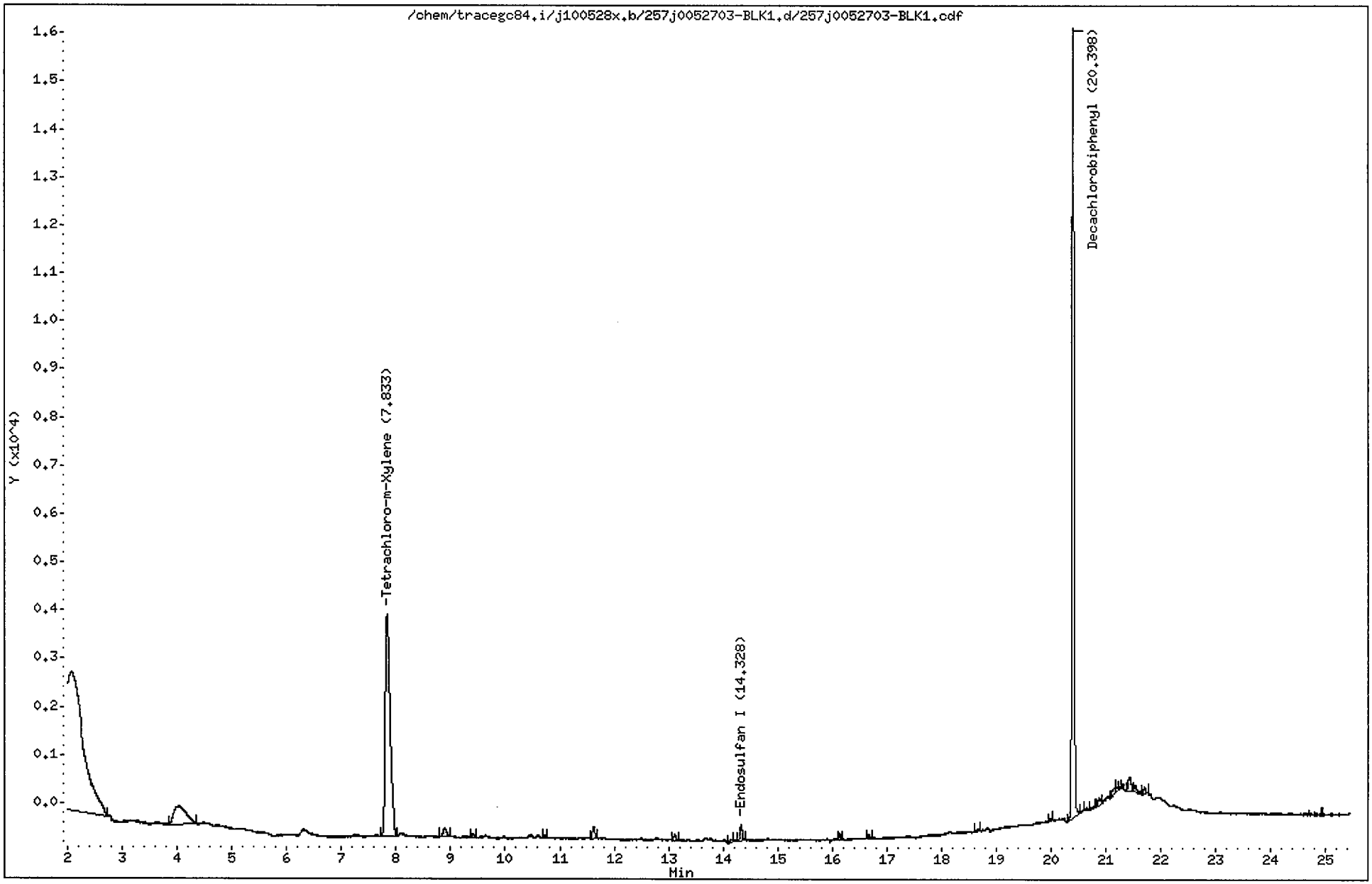
Sample Info: 0052703-BLK1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0052703-BLK1 Client Smp Id : PBLKDC
Sample Type : BLANK Sublist : DODPEST
Inj Date : 05-JUN-2010 19:50 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528x.b/8081A_clpestv6.m
Misc. Info : PBLKDC

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.47			68654								
2.08			82203								
4.04			6017								
7.83	7.77	7.91	28610	522758	Tetrachloro-m-Xylene	0.054727	0.273635		91.2	25 - 140	
8.88			749								
9.40			245								
10.73			167								
11.62			783								
13.11			336								
14.17			162								
14.33	14.29	14.43	872	548162	Endosulfan I	0.001589	0.007945	0.050000			J
16.13			284								
16.66			249								
18.66			133								
19.99			142								
20.40	20.33	20.47	42346	408350	Decachlorobiphenyl	0.103700	0.518501		86.4	30 - 135	
20.64			174								
20.74			159								
20.88			486								
21.16			587								
21.21			219								
21.31			226								
21.43			1056								
21.53			505								
21.70			349								
24.92			125								

Data File: /chem/tracegc84.i/j100528x_2C.b/257j0052703-BLK1.d

Date : 05-JUN-2010 19:50

Client ID: PBLKDC

Instrument: tracegc84.i

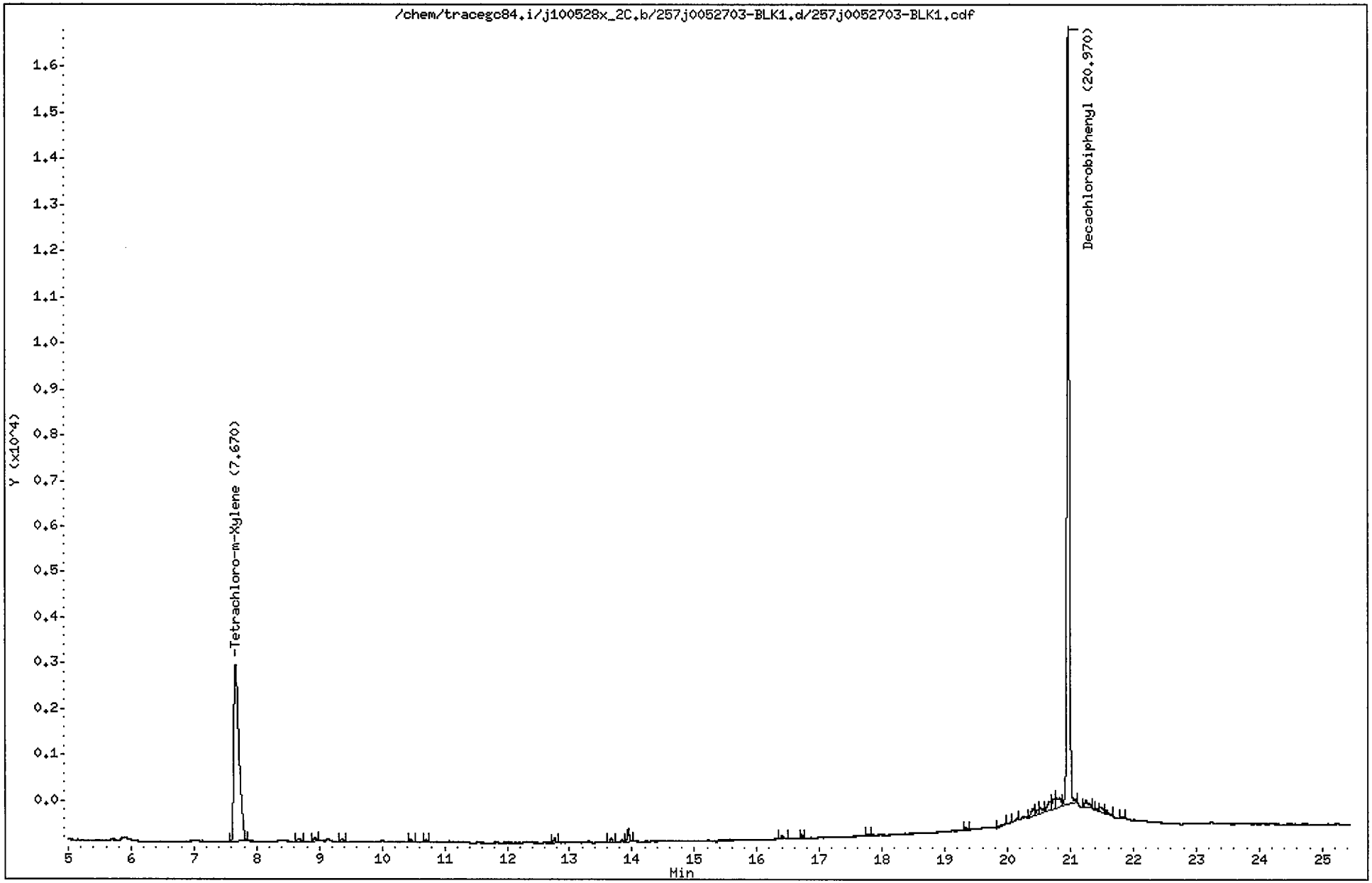
Sample Info: 0052703-BLK1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0052703-BLK1 Client Smp Id : PBLKDC
Sample Type : BLANK Sublist : DODPEST
Inj Date : 05-JUN-2010 19:50 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528x_2C.b/8081A_clpest2v6.m
Misc. Info : PBLKDC

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.45		28990								
1.88		84230								
7.67	7.61 7.75	22467	416798	Tetrachloro-m-Xylene	0.053904	0.269519		89.8	25 - 140	
8.67		252								
8.93		210								
9.35		213								
10.46		187								
10.70		132								
12.76		259								
13.66		248								
13.94		630								
16.40		163								
16.71		149								
17.77		98								
19.34		108								
19.98		177								
20.16		105								
20.40		607								
20.48		276								
20.52		501								
20.68		936								
20.74		613								
20.78		1176								
20.97	20.90 21.04	44597	406698	Decachlorobiphenyl	0.109656	0.548282		91.4	30 - 135	
21.25		637								
21.41		121								
21.48		446								
21.58		266								
21.83		116								

6/9/10

ASSIGNED TO: M.Lett

EMPLOYEE ID #: 2502

COMPUCHEM
EXTRACTION WORKSHEET

PEST/PCB IN WATER BY METHOD 3510C for 8081A, 8081B, 8082, and 8082A

5-27-4

DATE/TIME EXTRACTED/POSTED 5-27-10 9:55 AM

069

BATCH NUMBER 0052703

	COMPUCHEM NUMBER	CLIENT SAMPLE ID	QC SAMPLE TYPE	SAMPLE VOLUME (ml)	RECORD INITIAL pH	pH ADJUSTED (Y/N)	FINAL VOL (ml)	COMMENTS
1	0052703-BLK1	PBLKDC	MB	1000	8.0	N	5.0	
2	0052703-BS1	PDCLCS	LCS	1000	8.0	N	5.0	ML 5-27-10
3	0052703-BSD1	PDCLCSD	LCSD	1000	8.0	N	5.0	
4	1005187-01	BBG-GW10	SAMPLE	500	7.0	N	2.5	
5	1005187-02	FB-052510	SAMPLE	1000	7.0	N	5.0	FLORISIL (3620B) PERFORMED Y / (N)
6	1005187-03	BBG-GW01	SAMPLE	1000	7.0	N		
7	1005187-04	EB1-052510	SAMPLE	975	7.0	N		
8	1005187-05	BBG-GW03	SAMPLE	1000	7.0	N		Add 1.0 ml 4615 to PCBLCS & PCBSS – NA
9	1005187-06	EB2-052510	SAMPLE	900	7.0	N	5.0	
10								
11								
12								ML 5-27-10
13								
14								
15		ML 5-27-10						
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								

		AMOUNT	LOT#	SURROGATE AND SPIKE ADDED BY:
SURROGATE	449	0.5 mL	DE07004	
PEST SPIKE	4030	1.0 mL	DE14001	ML / 5-27-10
PCB SPIKE	4615	1.0 mL	NA	INITIALS DATE

FINAL VOL. VERIFIED:

SUPERVISOR REVIEW:

Witness AL / 5-27-10
Initial Date

Analysts initials. Extracted ML, AL KD BP N2 BP Bottle up ML

Manufacturer and lot number of reagents/solvents CH_2Cl_2 - J17501, Na_2SO_4 - 6651-4, C_6H_{14} - 73003 2x's

Rev. 3/16/10:RM

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKDN

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 0052803-BLK1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/28/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/06/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc84.i/j100528y.b/270j0052803-BLK1.d

Page 1

Date : 06-JUN-2010 02:06

Client ID: PBLKDN

Instrument: tracegc84.i

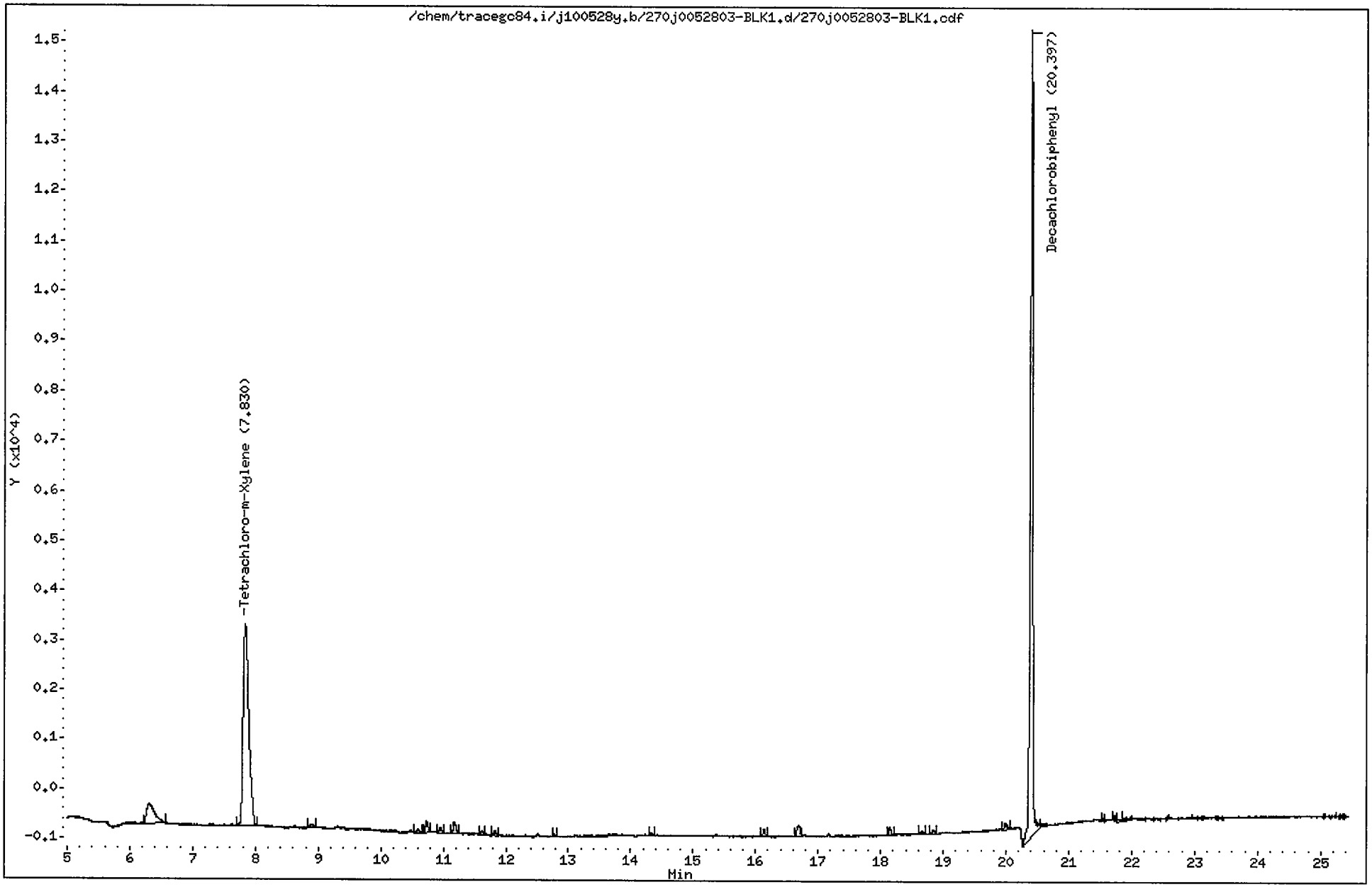
Sample Info: 0052803-BLK1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0052803-BLK1 Client Smp Id : PBLKDN
Sample Type : BLANK Sublist : DODPEST
Inj Date : 06-JUN-2010 02:06 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528y.b/8081A_clpestv6.m
Misc. Info : PBLKDN

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.48		58632								
2.08		161137								
3.67		6761								
4.00		636								
4.75		191								
6.31		3521								
7.83	7.77 7.91	25546	522758	Tetrachloro-m-Xylene	0.048866	0.244329		81.4	25 - 140	
8.89		302								
10.59		213								
10.73		652								
10.95		306								
11.18		687								
11.61		203								
11.82		259								
12.78		133								
14.33		170								
16.14		330								
16.69		709								
18.14		371								
18.66		173								
18.83		236								
19.99		313								
20.40	20.33 20.47	43972	408350	Decachlorobiphenyl	0.107680	0.538398		89.7	30 - 135	
21.54		121								
21.73		192								
21.79		125								

Data File: /chem/tracegc84.i/j100528y_2C.b/270j0052803-BLK1.d

Date : 06-JUN-2010 02:06

Client ID: PBLKDN

Sample Info: 0052803-BLK1

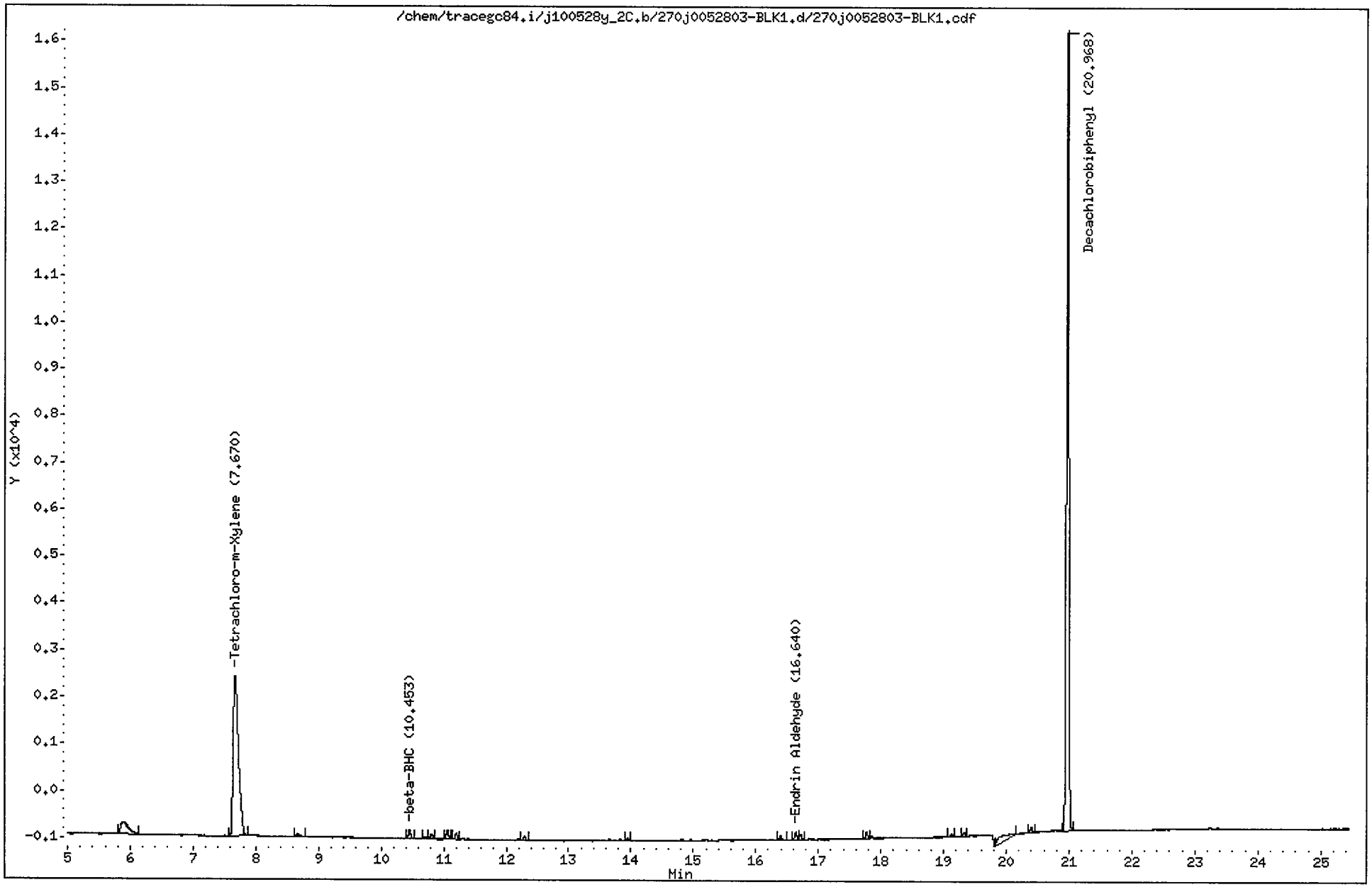
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0052803-BLK1 Client Smp Id : PBLKDN
Sample Type : BLANK Sublist : DODPEST
Inj Date : 06-JUN-2010 02:06 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528y_2C.b/8081A_clpest2v6.m
Misc. Info : PBLKDN

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.31		93								
1.44		21680								
1.90		152488								
3.02		918								
5.89		2212								
7.67	7.61 7.75	20062	416798	Tetrachloro-m-Xylene	0.048134	0.240668		80.2	25 - 140	
8.67		282								
10.45	10.41 10.55	554	248610	beta-BHC	0.002228	0.011142	0.050000			J
10.70		101								
10.80		254								
11.06		519								
11.20		314								
12.30		223								
13.94		97								
16.40		207								
16.64	16.59 16.73	371	316985	Endrin Aldehyde	0.001167	0.005836	0.100000			J
16.72		264								
17.77		348								
19.13		142								
19.33		184								
20.13		1774								
20.40		249								
20.97	20.90 21.04	43368	406698	Decachlorobiphenyl	0.106635	0.533173		88.9	30 - 135	

6/9/10

ASSIGNED TO: T. Williams

EMPLOYEE ID #: 1289

COMPUCHEM
EXTRACTION WORKSHEET
PEST/PCB IN WATER BY METHOD 3510C for 8081A, 8081B, 8082, and 8082A

069

DATE/TIME EXTRACTED/POSTED 5-28-10@1140 6-1-2

BATCH NUMBER 0052803

424

	COMPUCHEM NUMBER	CLIENT SAMPLE ID	QC SAMPLE TYPE	SAMPLE VOLUME (ml)	RECORD INITIAL pH	pH ADJUSTED (Y/N)	FINAL VOL. (ml)	COMMENTS
1	0052803-BLK1	PBLKDN	MB	1000	8.0	N	5.0	
2	0052803-BS1	PDNLCS	LCS	1000	8.0	N	5.0	B. Patten 6-1-10
3	0052803-MS1	BBG-GW02MS	MS	1000	8.0	N	5.0	
4	0052803-MSD1	BBG-GW02MSD	MSD	1000	8.0	N	5.0	
5	1005187-07	BBG-GW09	SAMPLE	1000	8.0	N	5.0	FLORISIL (3620B) PERFORMED Y (N)
6	1005187-08	BBG-GW09D	SAMPLE	1000	8.0	N	5.0	
7	1005187-09	BBG-GW08	SAMPLE	1000	8.0	N	5.0	
8	1005187-10	BBG-GW07	SAMPLE	1000	8.0	N	5.0	Add 1.0 ml 4615 to PCBLCS & PCBSS
9	1005187-11	EB1-052710	SAMPLE	1000	8.0	N	5.0	
10	1005187-12	BBG-GW04	SAMPLE	900	8.0	N	5.0	B. Patten 6-1-10
11	1005187-13	BBG-GW01UCH	SAMPLE	975	8.0	N	5.0	
12	1005187-14	BBG-GW02	SAMPLE	1000	8.0	N	5.0	QC
13	1005187-15	EB2-052710	SAMPLE	1000	8.0	N	5.0	
14	1005187-16	EB3-052710	SAMPLE	900	8.0	N	5.0	
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								

B. Patten 6-1-10

B. Patten 6-1-10

		AMOUNT	LOT #	SURROGATE AND SPIKE ADDED BY:
SURROGATE	449	0.5 mL	QED7001	TMW 5-28-10
PEST SPIKE	4030	1.0 mL	QE23001	INITIALS DATE
PCB SPIKE	4615	1.0 mL	N/A	

FINAL VOL. VERIFIED: B. Patten

SUPERVISOR REVIEW: M Hart

Witness SB / 5/28/10
Initial Date

Analysts initials. Extracted TW, AJL, VG KD BFP N2 BFP Bottle up BFP BFP 6-1-10

Manufacturer and lot number of reagents/solvents CH_2Cl_2 - J17501, Na_2SO_4 ~~-101377~~ 2XX8-652-3, C_6H_{14} - 73003

Rev. 3/16/10:RM

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKKW

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB6

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

FORM I PEST

Data File: /chem/tracegc84.i/j100528x.b/253jSEQ-CCB6.d

Date : 05-JUN-2010 17:54

Client ID: PIBLKKW

Instrument: tracegc84.i

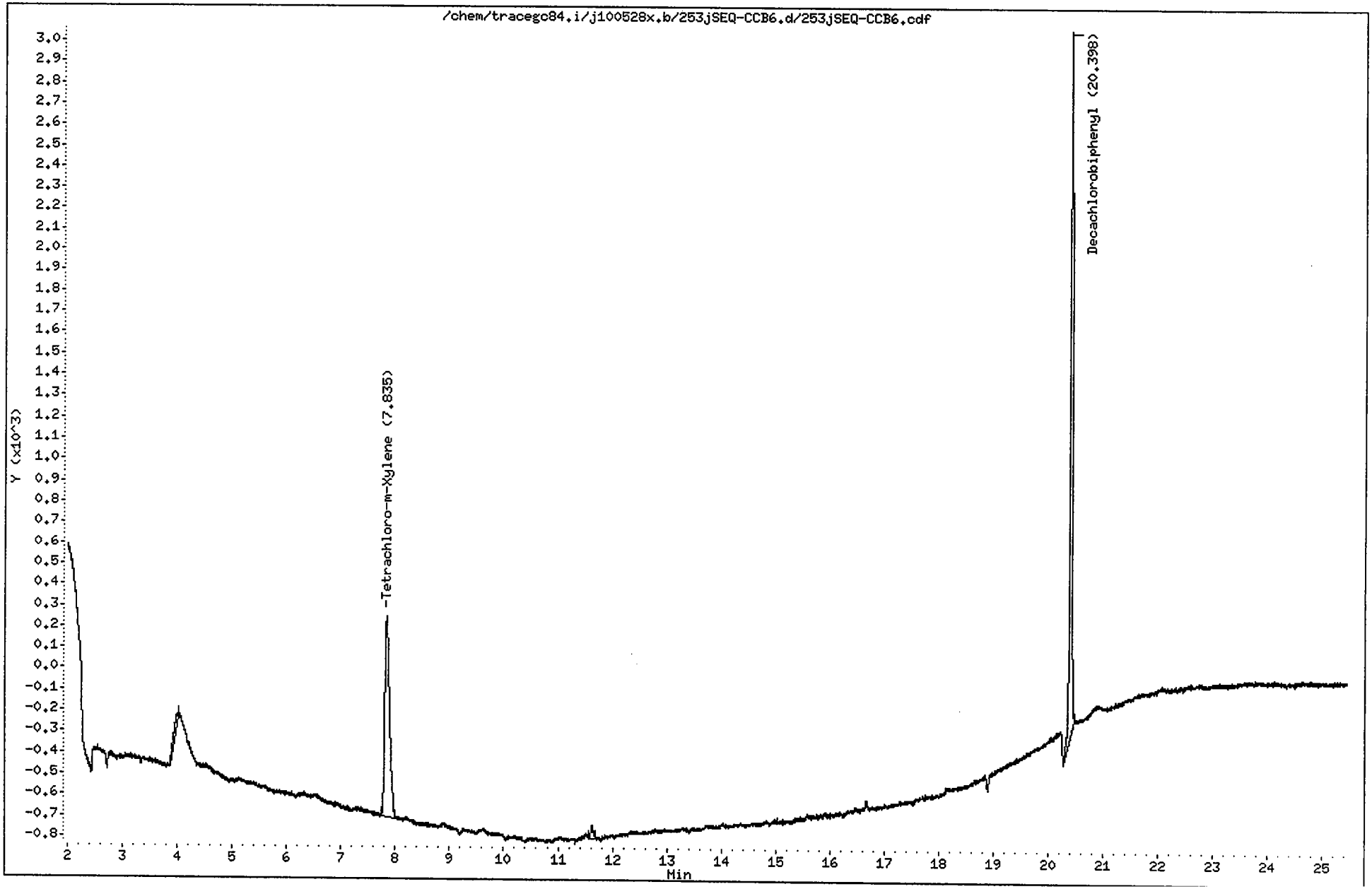
Sample Info: SEQ-CCB6

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB6 Client Smp Id : PIBLKKW
Sample Type : INSTBLANK Sublist : all
Inj Date : 05-JUN-2010 17:54 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528x.b/8081A_clpestv6.m
Misc. Info : PIBLKKWKX

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 2000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.35			216						
1.46			30904						
4.01			398						
7.84	7.77	7.91	5796	522758	Tetrachloro-m-Xylene	0.011087	0.022174		
11.63			223						
20.40	20.33	20.47	8966	408350	Decachlorobiphenyl	0.021957	0.043914		

6/15/10

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKKX

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB6

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc84.i/j100528x_2C.b/253jSEQ-CCB6.d

Date : 05-JUN-2010 17:54

Client ID: PIBLKKX

Instrument: tracegc84.i

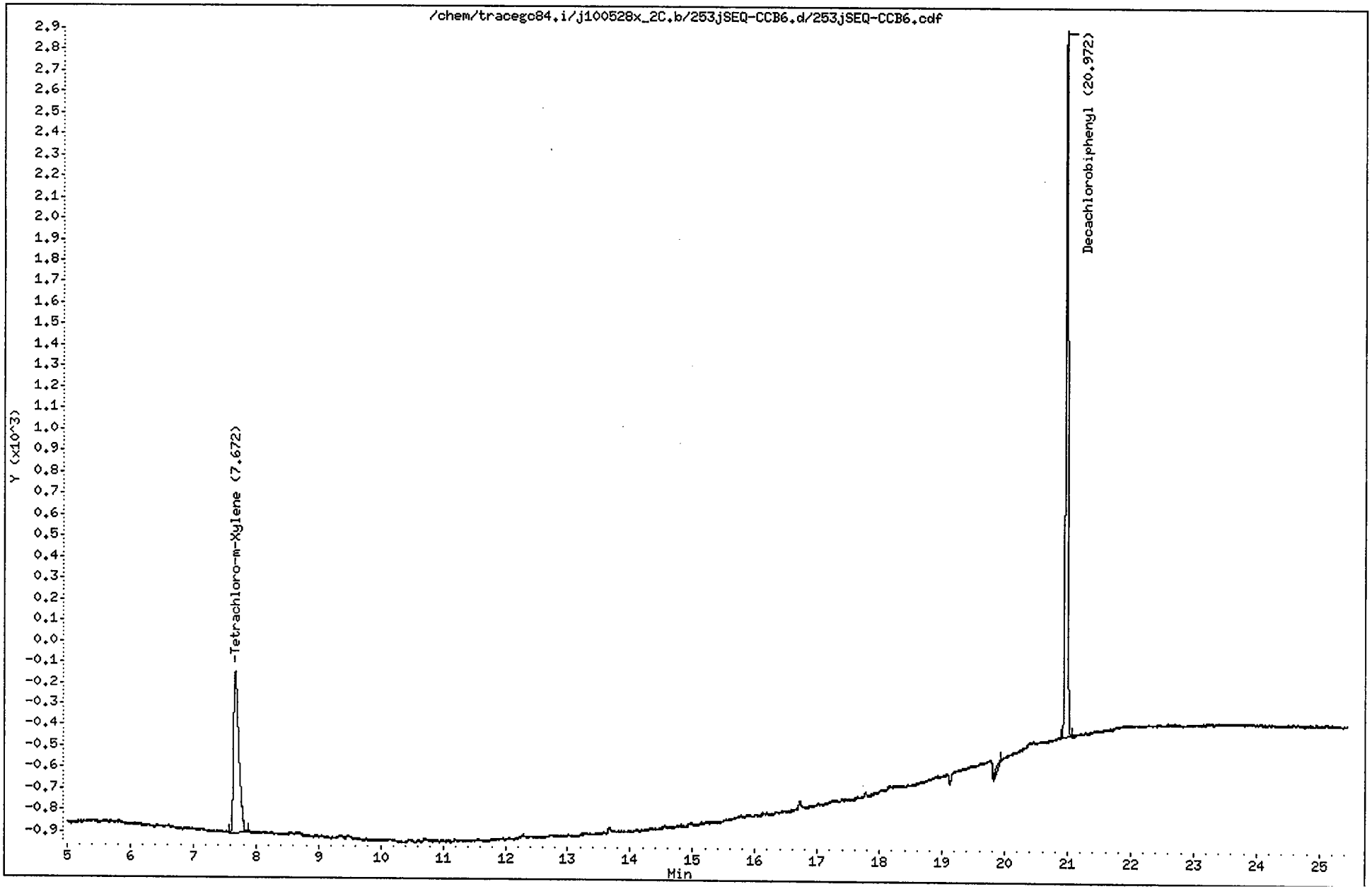
Sample Info: SEQ-CCB6

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB6 Client Smp Id : PIBLKKX
Sample Type : INSTBLANK Sublist : all
Inj Date : 05-JUN-2010 17:54 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528x_2C.b/8081A_clpest2v6.m
Misc. Info : PIBLKKWKX

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.31			113						
1.44			9058						
1.72			1234						
1.79			263						
7.67	7.61	7.75	4398	416798	Tetrachloro-m-Xylene	0.010551	0.052754		
19.94			154						
20.97	20.90	21.04	8433	406698	Decachlorobiphenyl	0.020736	0.103680		

6/7/10

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKKY

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB7

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/06/10

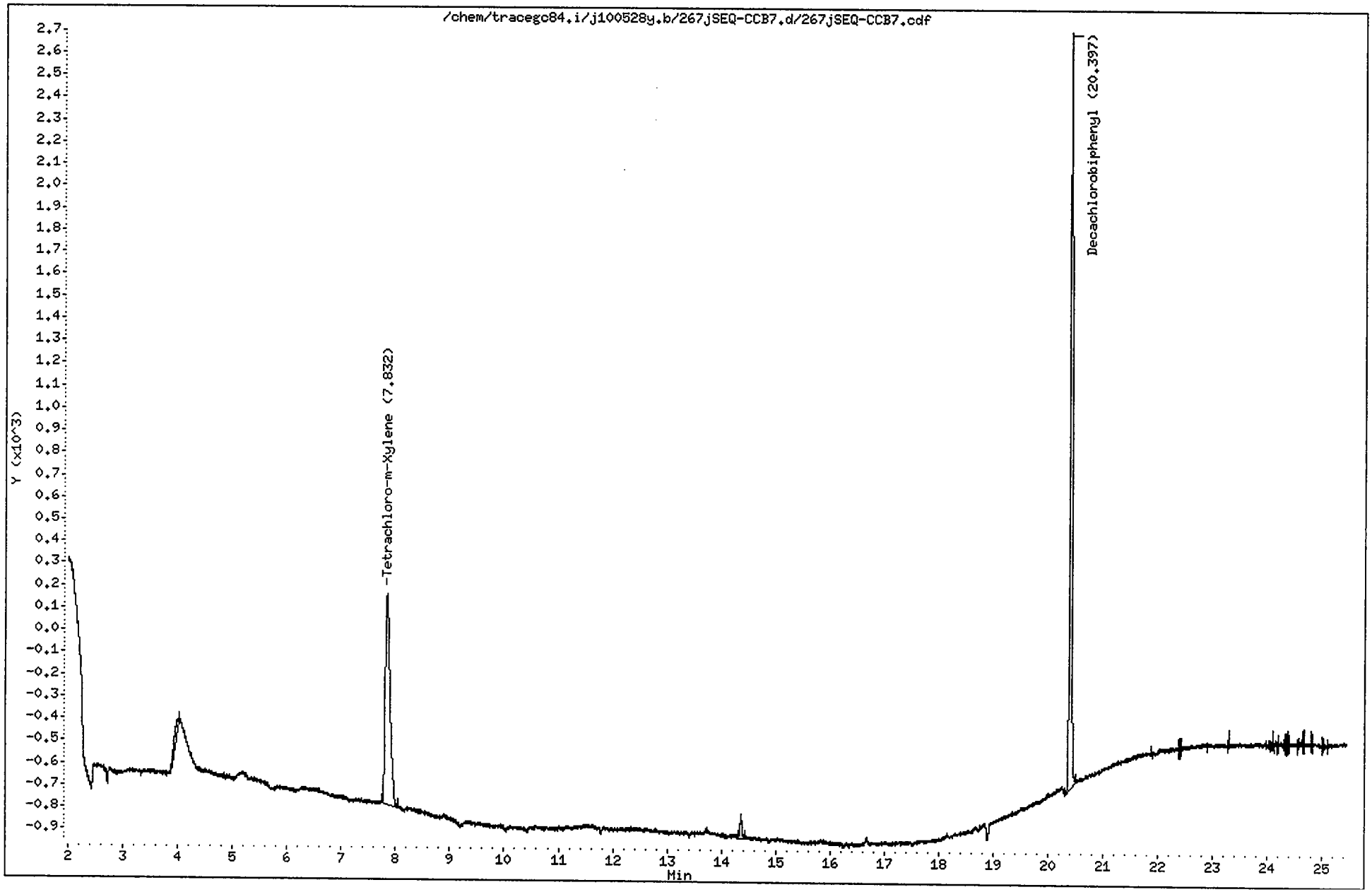
Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc84.i/j100528y.b/267jSEQ-CCB7.d
Date : 06-JUN-2010 00:39
Client ID: PIBLKKY
Sample Info: SEQ-CCB7
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: tracegc84.i
Operator: AHW
Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB7 Client Smp Id : PIBLKKY
Sample Type : INSTBLANK Sublist : all
Inj Date : 06-JUN-2010 00:39 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528y.b/8081A_clpestv6.m
Misc. Info : PIBLKKYKZ

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 2000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.35		209						
1.45		3444						
4.01		325						
7.83	7.77 7.91	5878	522758	Tetrachloro-m-Xylene	0.011244	0.022487		
14.36		248						
20.40	20.33 20.47	8831	408350	Decachlorobiphenyl	0.021626	0.043251		
24.35		133						

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKKZ

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB7

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/06/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc84.i/j100528y_2C.b/267jSEQ-CCB7.d

Date : 06-JUN-2010 00:39

Client ID: PIBLKKZ

Instrument: tracegc84.i

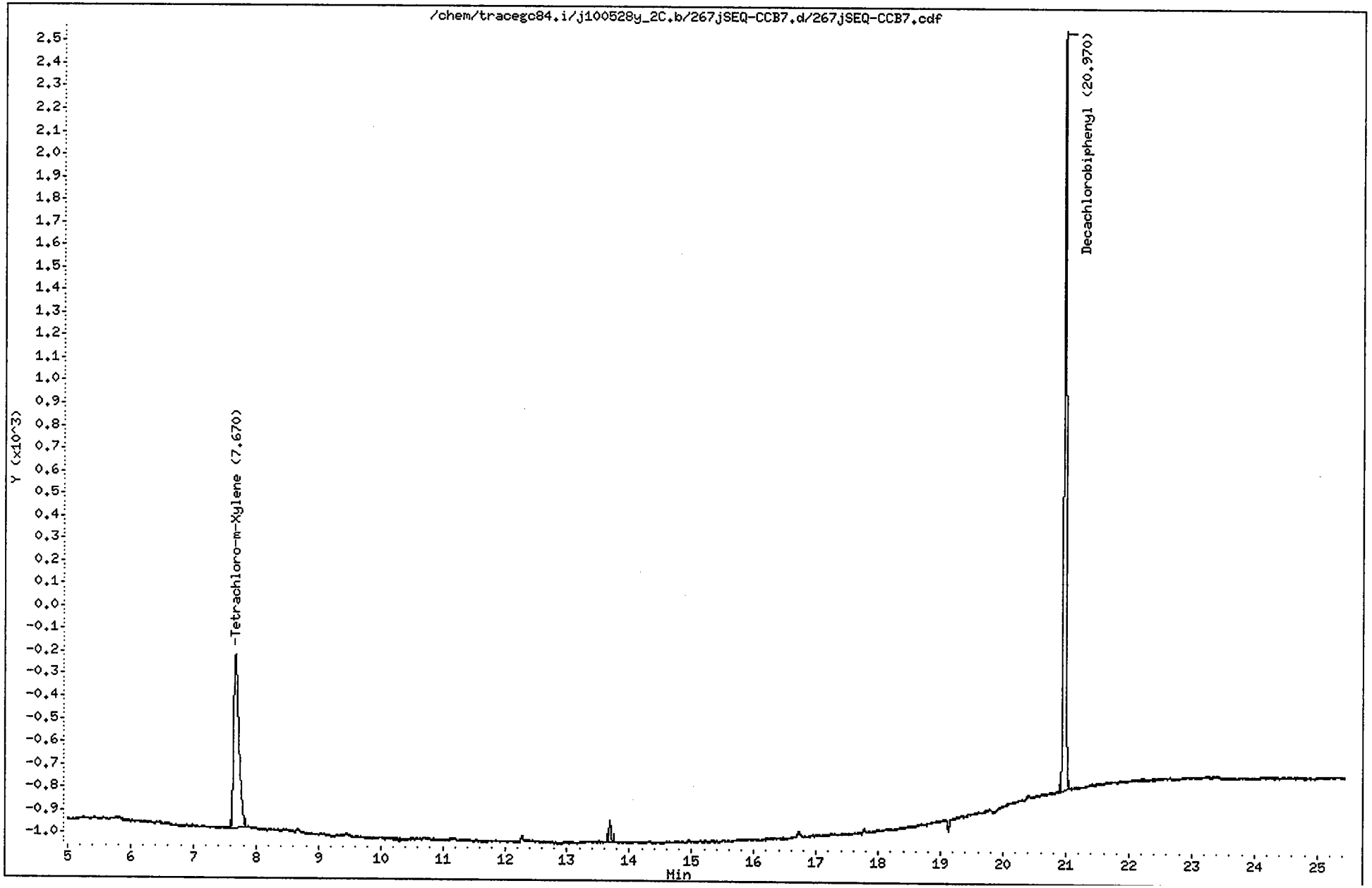
Sample Info: SEQ-CCB7

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB7 Client Smp Id : PIBLKKZ
Sample Type : INSTBLANK Sublist : all
Inj Date : 06-JUN-2010 00:39 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528y_2C.b/8081A_clpest2v6.m
Misc. Info : PIBLKKYKZ

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.31			115						
1.44			6652						
3.33			261						
7.67	7.61	7.75	4446	416798	Tetrachloro-m-Xylene	0.010666	0.053330		
13.69			208						
20.97	20.90	21.04	8661	406698	Decachlorobiphenyl	0.021296	0.106478		

6/7/10

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKLA

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB8

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/06/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

Data File: /chem/tracegc84.i/j100528z.b/281jSEQ-CCB8.d

Page 1

Date : 06-JUN-2010 07:24

Client ID: PIBLKLA

Instrument: tracegc84.i

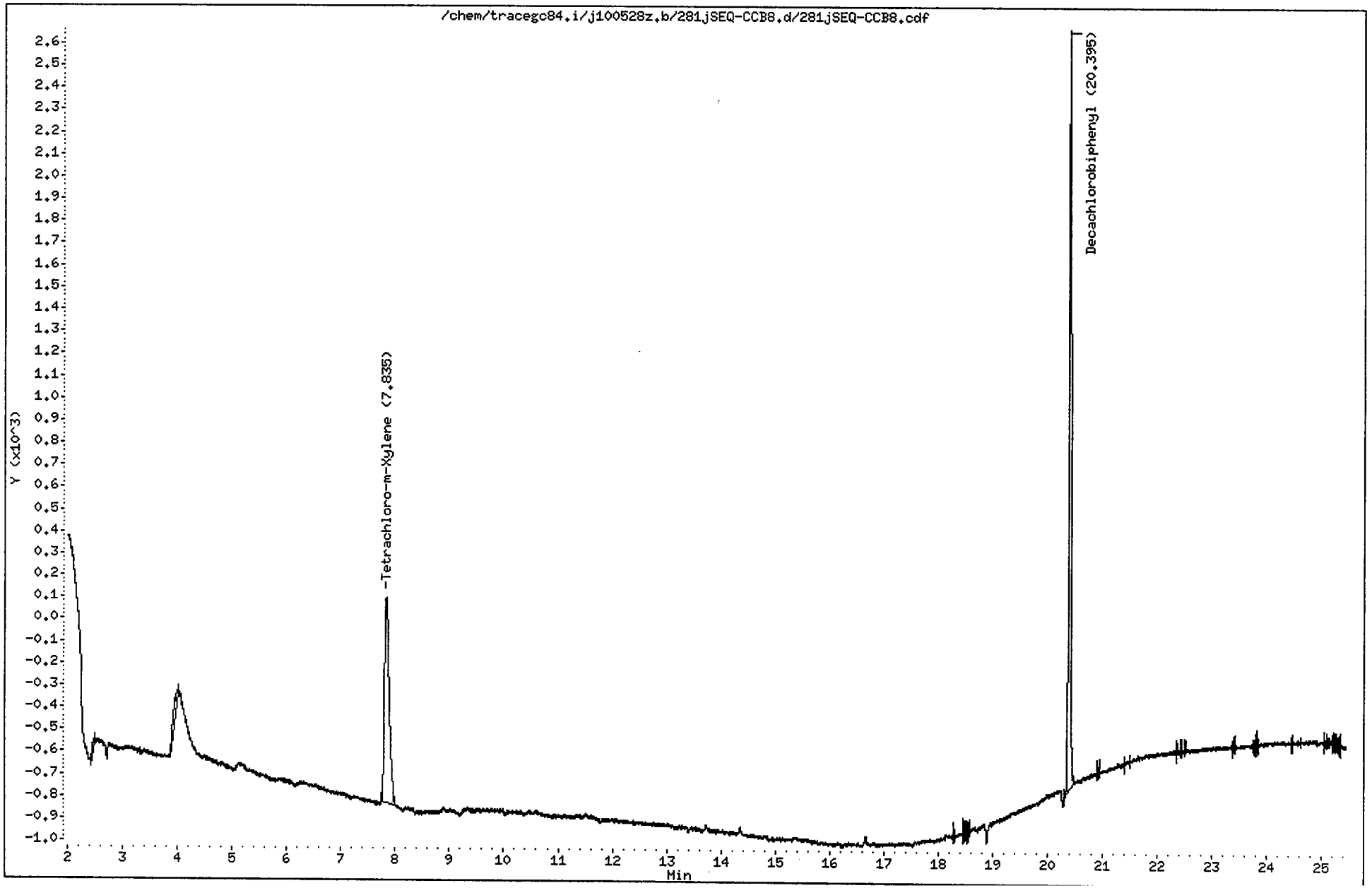
Sample Info: SEQ-CCB8

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB8 Client Smp Id : PIBLKLA
Sample Type : INSTBLANK Sublist : all
Inj Date : 06-JUN-2010 07:24 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528z.b/8081A_clpestv6.m
Misc. Info : PIBLKLALB

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 2000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.36			242						
1.46			28287						
2.48			141						
3.99			511						
7.84	7.77	7.91	5635	522758	Tetrachloro-m-Xylene	0.010780	0.021560		
20.40	20.33	20.47	8745	408350	Decachlorobiphenyl	0.021415	0.042830		
23.82			135						

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKLB

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB8

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted: _____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/06/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

FORM I PEST

Data File: /chem/tracegc84.i/j100528z_2C.b/281jSEQ-CCB8.d

Date : 06-JUN-2010 07:24

Client ID: PIBLKLB

Sample Info: SEQ-CCB8

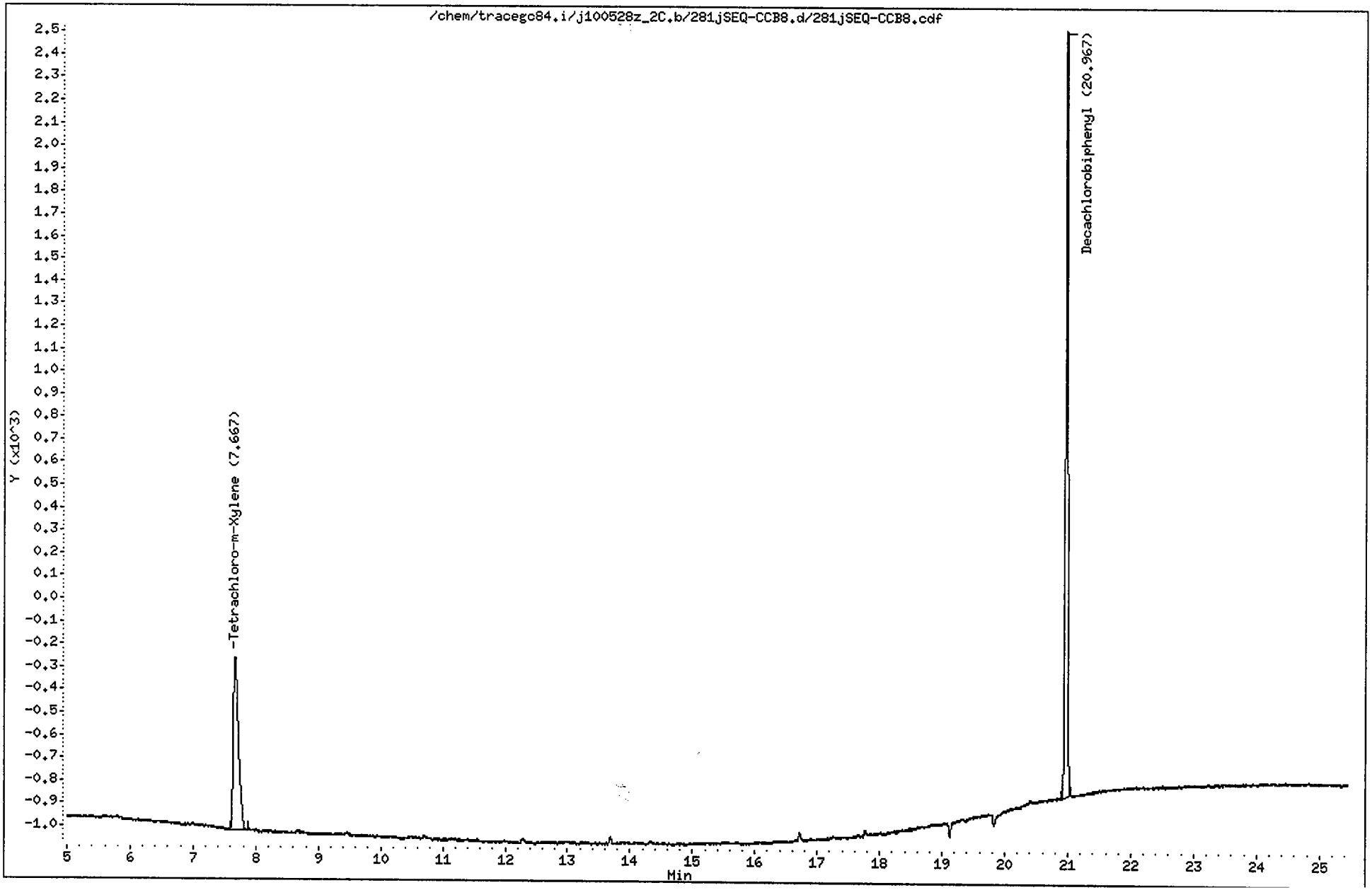
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB8 Client Smp Id : PIBLKLB
Sample Type : INSTBLANK Sublist : all
Inj Date : 06-JUN-2010 07:24 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528z_2C.b/8081A_clpest2v6.m
Misc. Info : PIBLKLALB

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.31			117						
1.44			6745						
1.80			166						
3.33			457						
7.67	7.61	7.75	4400	416798	Tetrachloro-m-Xylene	0.010557	0.052786		
20.97	20.90	21.04	8486	406698	Decachlorobiphenyl	0.020866	0.104330		

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKLC

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB9

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/06/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

FORM I PEST

Data File: /chem/tracegc84.i/j100528za.b/289jSEQ-CCB9.d

Date : 06-JUN-2010 11:15

Client ID: PIBLKLC

Sample Info: SEQ-CCB9

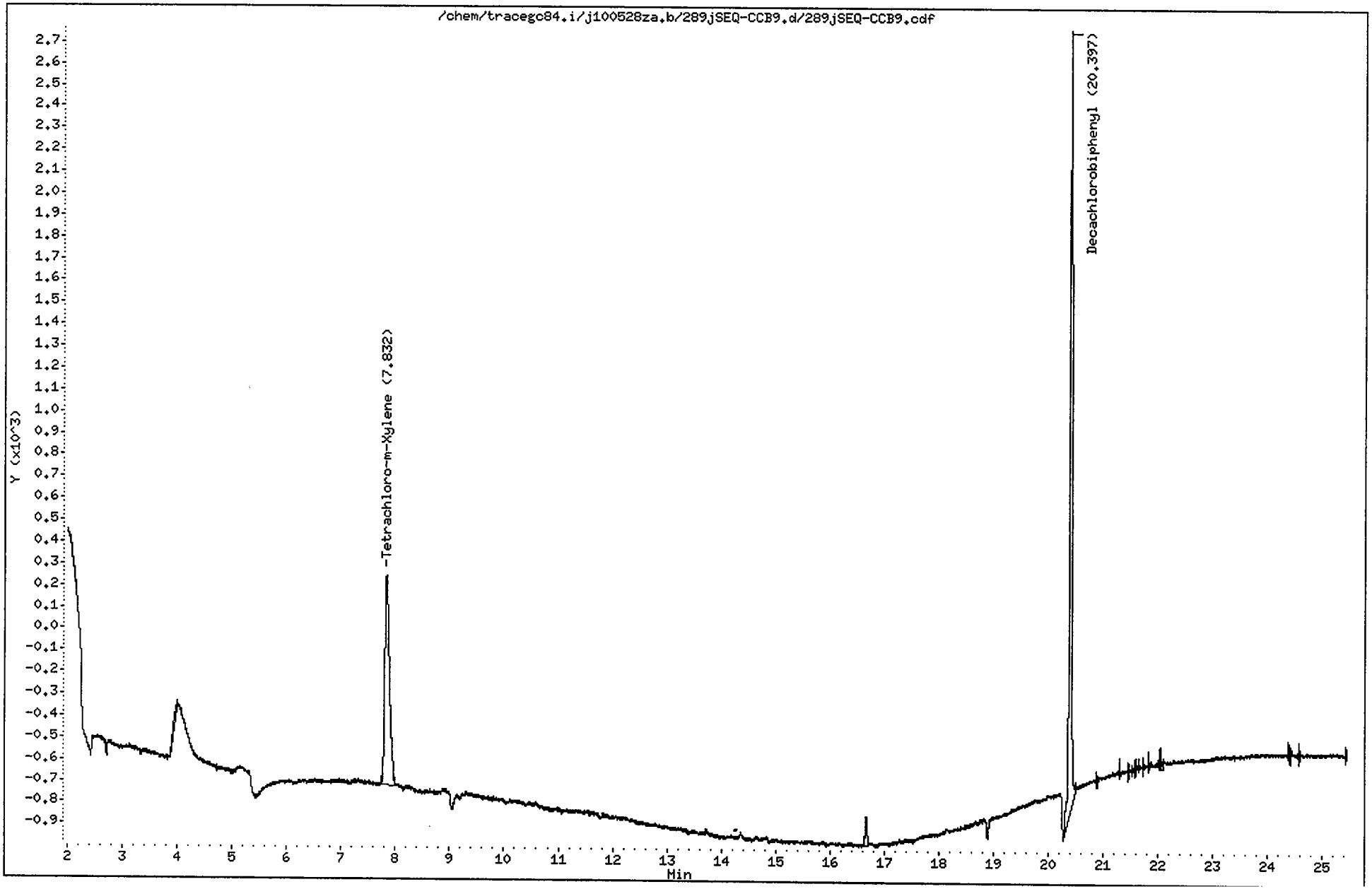
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB9 Client Smp Id : PIBLKLC
Sample Type : INSTBLANK Sublist : all
Inj Date : 06-JUN-2010 11:15 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528za.b/8081A_clpestv6.m
Misc. Info : PIBLKLCLD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 2000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.35			226						
1.45			28415						
3.98			204						
7.83	7.77	7.91	5832	522758	Tetrachloro-m-Xylene	0.011155	0.022311		
16.67			306						
20.40	20.33	20.47	9831	408350	Decachlorobiphenyl	0.024076	0.048151		
22.04			160						

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKLD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB9

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/06/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.050	U
319-85-7	beta-BHC	0.050	U
319-84-6	alpha-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
72-54-8	4,4'-DDD	0.10	U
72-55-9	4,4'-DDE	0.10	U
50-29-3	4,4'-DDT	0.10	U
60-57-1	Dieldrin	0.10	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
72-20-8	Endrin	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.50	U
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.10	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U

FORM I PEST

Data File: /chem/tracegc84.i/j100528za_2C.b/289jSEQ-CCB9.d

Date : 06-JUN-2010 11:15

Client ID: PIBLKLD

Sample Info: SEQ-CCB9

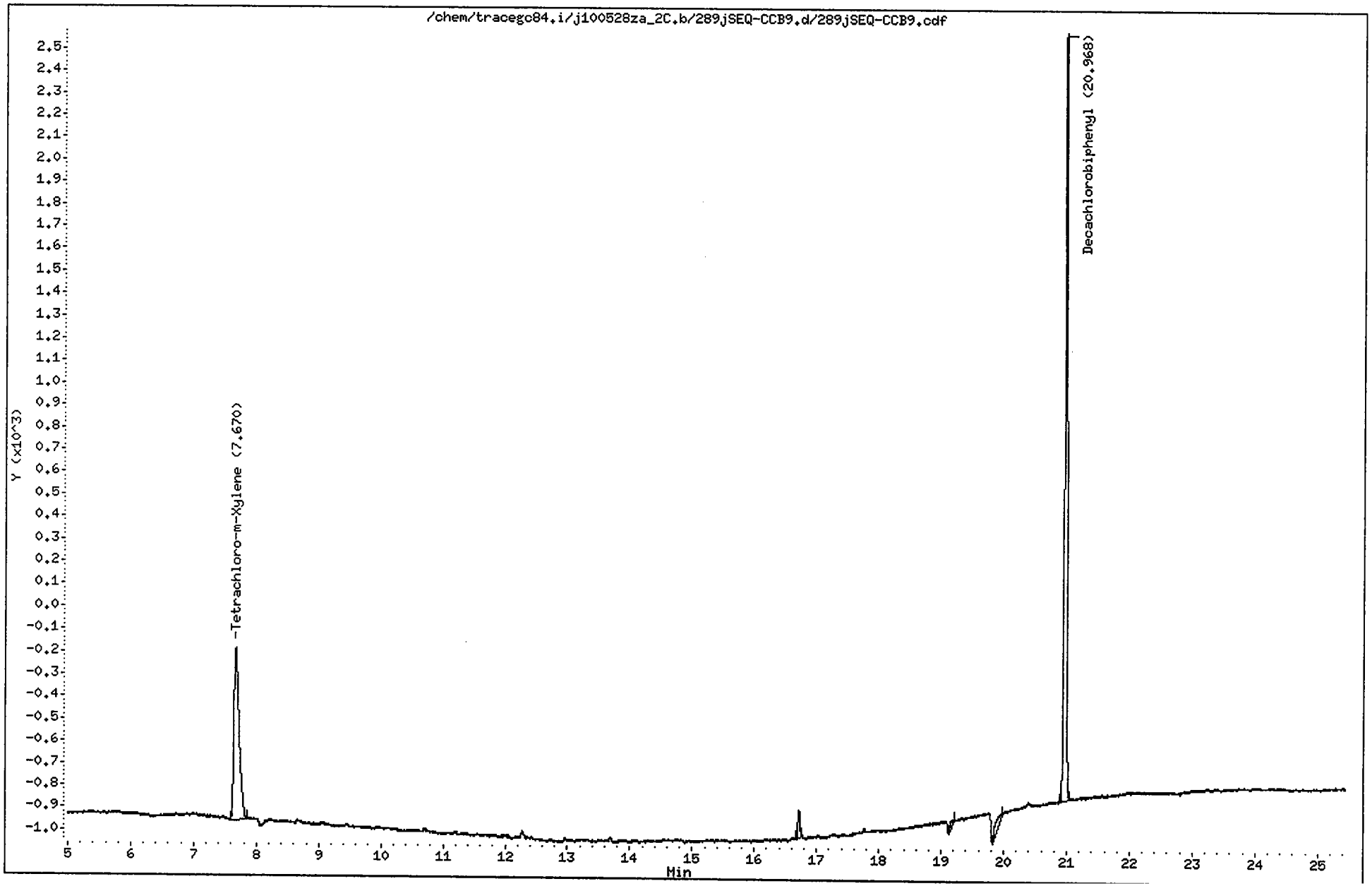
Volume Injected (uL): 1.0

Column phase: clpest2

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : SEQ-CCB9 Client Smp Id : PIBLKLD
Sample Type : INSTBLANK Sublist : all
Inj Date : 06-JUN-2010 11:15 Inst ID : TRACEGC84
Operator : AHW
Method : /chem/tracegc84.i/j100528za_2C.b/8081A_clpest2v6.m
Misc. Info : PIBLKLCLD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	FLAGS
1.31			118						
1.45			6788						
1.79			175						
3.31			120						
7.67	7.61	7.75	4432	416798	Tetrachloro-m-Xylene	0.010634	0.053169		
16.71			269						
19.19			103						
19.97			333						
20.97	20.90	21.04	8801	406698	Decachlorobiphenyl	0.021641	0.108206		

6/7/10

b. Laboratory Control Sample Data

Arranged in chronological order, by extraction date.

- Tabulated Results (Form I)

- Chromatograms and data system printout(s)

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDCLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 0052703-BS1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/27/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.11	
319-85-7	beta-BHC	0.14	
319-84-6	alpha-BHC	0.16	
319-86-8	delta-BHC	0.17	
58-89-9	gamma-BHC (Lindane)	0.14	
72-54-8	4,4'-DDD	0.38	
72-55-9	4,4'-DDE	0.36	
50-29-3	4,4'-DDT	0.33	
60-57-1	Dieldrin	0.39	
959-98-8	Endosulfan I	0.14	
33213-65-9	Endosulfan II	0.37	
1031-07-8	Endosulfan sulfate	0.35	
72-20-8	Endrin	0.36	
7421-93-4	Endrin Aldehyde	0.27	
76-44-8	Heptachlor	0.15	
1024-57-3	Heptachlor Epoxide	0.16	
72-43-5	Methoxychlor	0.39	J
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.39	
5103-74-2	gamma-Chlordane	0.15	
5103-71-9	alpha-Chlordane	0.16	

Data File: /chem/tracegc84.i/j100528x.b/258j0052703-BS1.d

Date : 05-JUN-2010 20:19

Client ID: PDCLCS

Instrument: tracegc84.i

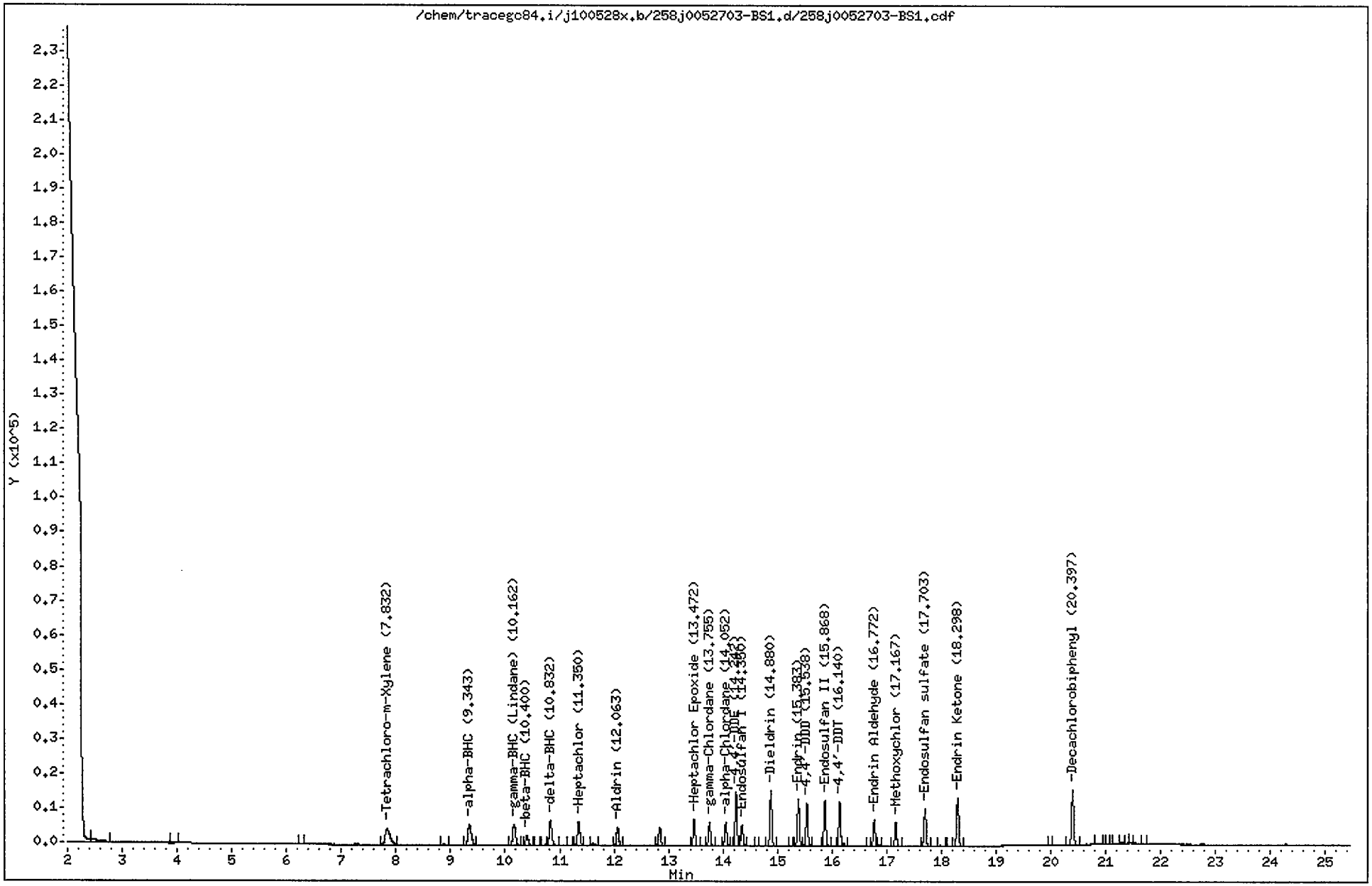
Sample Info: 0052703-BS1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0052703-BS1 Client Smp Id : PDCLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 05-JUN-2010 20:19 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : DODWater
Method : /chem/tracegc84.i/j100528x.b/8081A_clpestv6.m
Misc. Info : PDCLCS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.47			19449098								
2.45			7133								
4.01			473								
6.31			224								
7.83	7.77	7.91	27923	522758	Tetrachloro-m-Xylene	0.053413	0.267065		89.0	25 - 140	
8.89			468								
9.34	9.29	9.43	24603	775960	alpha-BHC	0.031705	0.158526	0.050000	105.7	60 - 130	
10.16	10.11	10.25	21087	729192	gamma-BHC (Lindane)	0.028918	0.144591	0.050000	96.4	25 - 135	
10.40	10.34	10.48	8507	300532	beta-BHC	0.028306	0.141532	0.050000	94.4	65 - 125	
10.59			181								
10.73			325								
10.83	10.77	10.91	22811	689518	delta-BHC	0.033081	0.165406	0.050000	110.3	45 - 135	
11.18			165								
11.35	11.29	11.43	20800	695465	Heptachlor	0.029908	0.149540	0.050000	99.7	40 - 130	
11.62			1723								
12.06	12.01	12.15	14636	636570	Aldrin	0.022990	0.114952	0.050000	76.6	25 - 140	
12.84			14204								
13.47	13.42	13.56	19499	593700	Heptachlor Epoxide	0.032842	0.164208	0.050000	109.5	60 - 130	
13.76	13.70	13.84	17304	594875	gamma-Chlordane	0.029087	0.145434	0.050000	97.0	60 - 125	
14.05	14.00	14.14	16896	516712	alpha-Chlordane	0.032699	0.163495	0.050000	109.0	65 - 125	
14.24	14.19	14.33	38001	523741	4,4'-DDE	0.072557	0.362784	0.100000	96.7	35 - 140	
14.35	14.29	14.43	15914	548162	Endosulfan I	0.029032	0.145158	0.050000	96.8	50 - 110	
14.62			204								
14.88	14.82	14.96	40328	515556	Dieldrin	0.078222	0.391112	0.100000	104.3	60 - 130	
15.24			120								
15.38	15.33	15.47	33802	463071	Endrin	0.072995	0.364976	0.100000	97.3	55 - 135	
15.54	15.48	15.62	29748	393458	4,4'-DDD	0.075607	0.378033	0.100000	100.8	25 - 150	
15.87	15.81	15.95	33159	450326	Endosulfan II	0.073633	0.368166	0.100000	98.2	30 - 130	
16.02			324								
16.14	16.08	16.22	30439	454781	4,4'-DDT	0.066931	0.334655	0.100000	89.2	45 - 140	
16.22			1350								
16.67			232								
16.77	16.71	16.85	18842	348470	Endrin Aldehyde	0.054068	0.270339	0.100000	72.1	55 - 135	
16.85			648								
17.17	17.11	17.25	15960	194359	Methoxychlor	0.082116	0.410580	0.500000	109.5	55 - 150	J
17.70	17.65	17.79	27370	392055	Endosulfan sulfate	0.069812	0.349058	0.100000	93.1	55 - 135	
17.98			347								

6/9/10

CompuChem

Lab Smp Id : 0052703-BS1 Client Smp Id : PDCLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 05-JUN-2010 20:19 Inst ID :
Operator : AHW Spike Sublist : DODWater
Method : /chem/tracegc84.i/j100528x.b/8081A_clpestv6.m
Misc. Info : PDCLCS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
18.15		125								
18.30	18.24 18.38	35688	457258	Endrin Ketone	0.078048	0.390240	0.100000	104.1	75 - 125	
20.00		124								
20.40	20.33 20.47	41149	408350	Decachlorobiphenyl	0.100766	0.503832		84.0	30 - 135	
20.87		459								
21.04		155								
21.13		120								
21.30		240								
21.43		455								
21.54		442								
21.70		291								

Data File: /chem/tracegc84.i/j100528x_2C.b/258j0052703-BS1.d

Date : 05-JUN-2010 20:19

Client ID: PDCLCS

Instrument: tracegc84.i

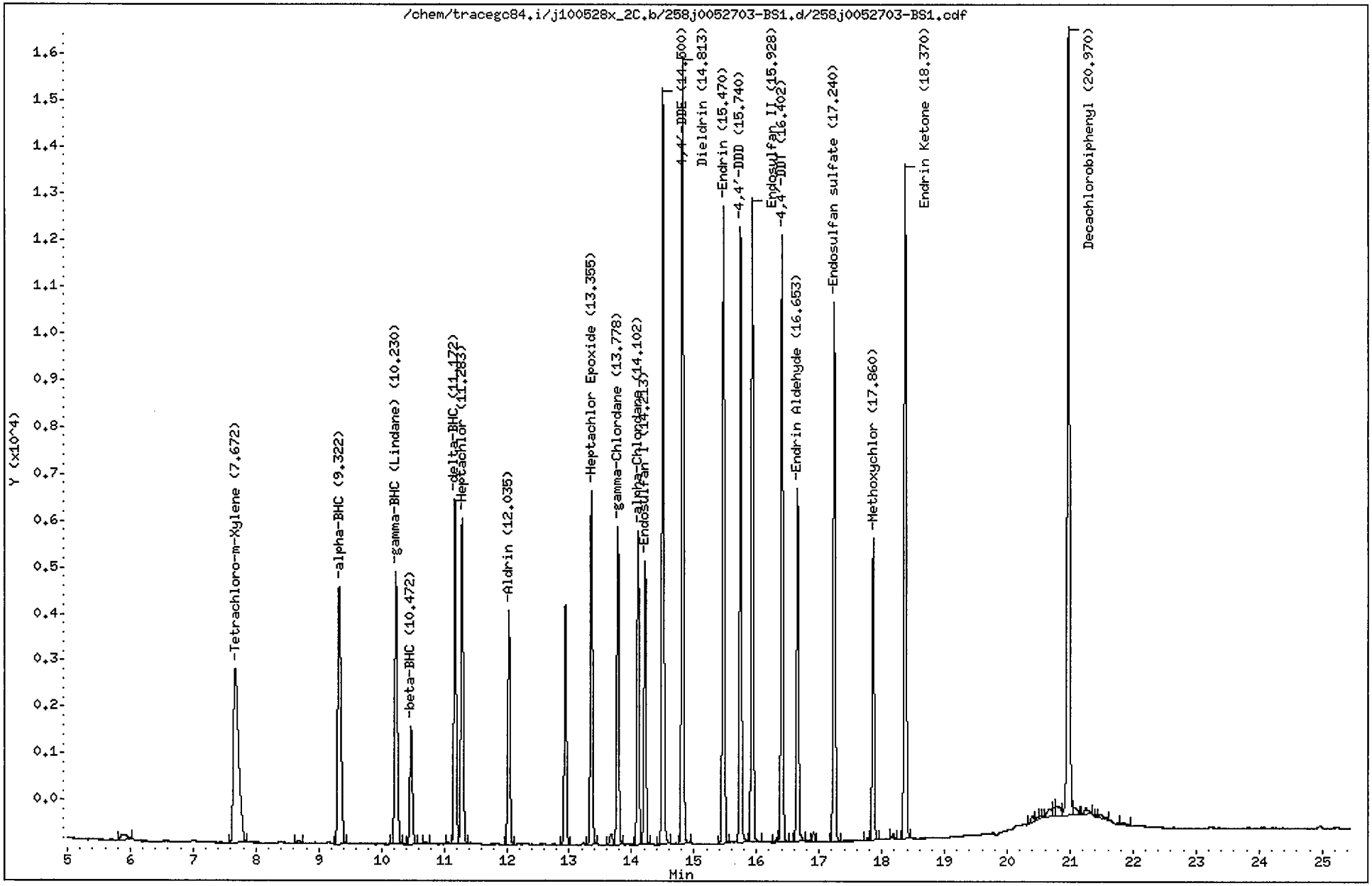
Sample Info: 0052703-BS1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0052703-BS1 Client Smp Id : PDCLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 05-JUN-2010 20:19 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : DODWater
Method : /chem/tracegc84.i/j100528x_2C.b/8081A_clpest2v6.m
Misc. Info : PDCLCS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.45			13832643								
3.04			146								
5.89			905								
7.67	7.61	7.75	21783	416798	Tetrachloro-m-Xylene	0.052260	0.261302		87.1	25 - 140	
8.67			221								
9.32	9.26	9.40	19428	607758	alpha-BHC	0.031965	0.159825	0.050000	106.6	60 - 130	
10.23	10.17	10.31	16906	585542	gamma-BHC (Lindane)	0.028872	0.144362	0.050000	96.2	25 - 135	
10.47	10.41	10.55	7122	248610	beta-BHC	0.028643	0.143216	0.050000	95.5	65 - 125	
10.70			106								
11.06			125								
11.17	11.11	11.25	18447	551235	delta-BHC	0.033465	0.167324	0.050000	111.5	45 - 135	
11.28	11.22	11.36	18205	579497	Heptachlor	0.031415	0.157076	0.050000	104.7	40 - 130	
12.04	11.97	12.11	12331	542192	Aldrin	0.022743	0.113714	0.050000	75.8	25 - 140	
12.94			12106								
13.36	13.29	13.43	16972	511912	Heptachlor Epoxide	0.033154	0.165771	0.050000	110.5	60 - 130	
13.67			760								
13.78	13.71	13.85	15396	513150	gamma-Chlordane	0.030001	0.150005	0.050000	100.0	60 - 125	
14.10	14.04	14.18	14972	446248	alpha-Chlordane	0.033549	0.167743	0.050000	111.8	65 - 125	
14.21	14.15	14.29	13621	477982	Endosulfan I	0.028497	0.142484	0.050000	95.0	50 - 110	
14.50	14.43	14.57	35187	468602	4,4'-DDE	0.075087	0.375435	0.100000	100.1	35 - 140	
14.81	14.75	14.89	37856	461929	Dieldrin	0.081952	0.409760	0.100000	109.3	60 - 130	
15.47	15.40	15.54	31249	408649	Endrin	0.076469	0.382345	0.100000	102.0	55 - 135	
15.74	15.67	15.81	28004	340626	4,4'-DDD	0.082210	0.411052	0.100000	109.6	25 - 150	
15.93	15.86	16.00	30856	404930	Endosulfan II	0.076198	0.380992	0.100000	101.6	30 - 130	
16.33			258								
16.40	16.33	16.47	28190	405929	4,4'-DDT	0.069446	0.347228	0.100000	92.6	45 - 140	
16.65	16.59	16.73	17410	316985	Endrin Aldehyde	0.054921	0.274603	0.100000	73.2	55 - 135	
16.91			471								
17.24	17.17	17.31	26218	366674	Endosulfan sulfate	0.071500	0.357498	0.100000	95.3	55 - 135	
17.78			103								
17.86	17.79	17.93	14291	182916	Methoxychlor	0.078123	0.390617	0.500000	104.2	55 - 150	J
18.18			241								
18.37	18.30	18.44	33640	419519	Endrin Ketone	0.080185	0.400924	0.100000	106.9	75 - 125	
20.40			414								
20.47			139								
20.52			135								
20.68			749								

6/9/10

CompuChem

Lab Smp Id : 0052703-BS1 Client Smp Id : PDCLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 05-JUN-2010 20:19 Inst ID :
Operator : AHW Spike Sublist : DODWater
Method : /chem/tracegc84.i/j100528x_2C.b/8081A_clpest2v6.m
Misc. Info : PDCLCS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
20.74		490								
20.78		1289								
20.97	20.90 21.04	43654	406698	Decachlorobiphenyl	0.107335	0.536677		89.4	30 - 135	
21.08		694								
21.25		564								
21.41		97								
21.48		440								
21.84		230								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDCLCSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 0052703-BSD1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/27/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/05/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.12	
319-85-7	beta-BHC	0.15	
319-84-6	alpha-BHC	0.16	
319-86-8	delta-BHC	0.17	
58-89-9	gamma-BHC (Lindane)	0.15	
72-54-8	4,4'-DDD	0.39	
72-55-9	4,4'-DDE	0.37	
50-29-3	4,4'-DDT	0.35	
60-57-1	Dieldrin	0.40	
959-98-8	Endosulfan I	0.15	
33213-65-9	Endosulfan II	0.38	
1031-07-8	Endosulfan sulfate	0.36	
72-20-8	Endrin	0.38	
7421-93-4	Endrin Aldehyde	0.26	
76-44-8	Heptachlor	0.15	
1024-57-3	Heptachlor Epoxide	0.17	
72-43-5	Methoxychlor	0.40	J
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.40	
5103-74-2	gamma-Chlordane	0.15	
5103-71-9	alpha-Chlordane	0.17	

Data File: /chem/tracegc84.i/j100528x.b/259j0052703-BSD1.d

Date : 05-JUN-2010 20:48

Client ID: PDCLCSD

Instrument: tracegc84.i

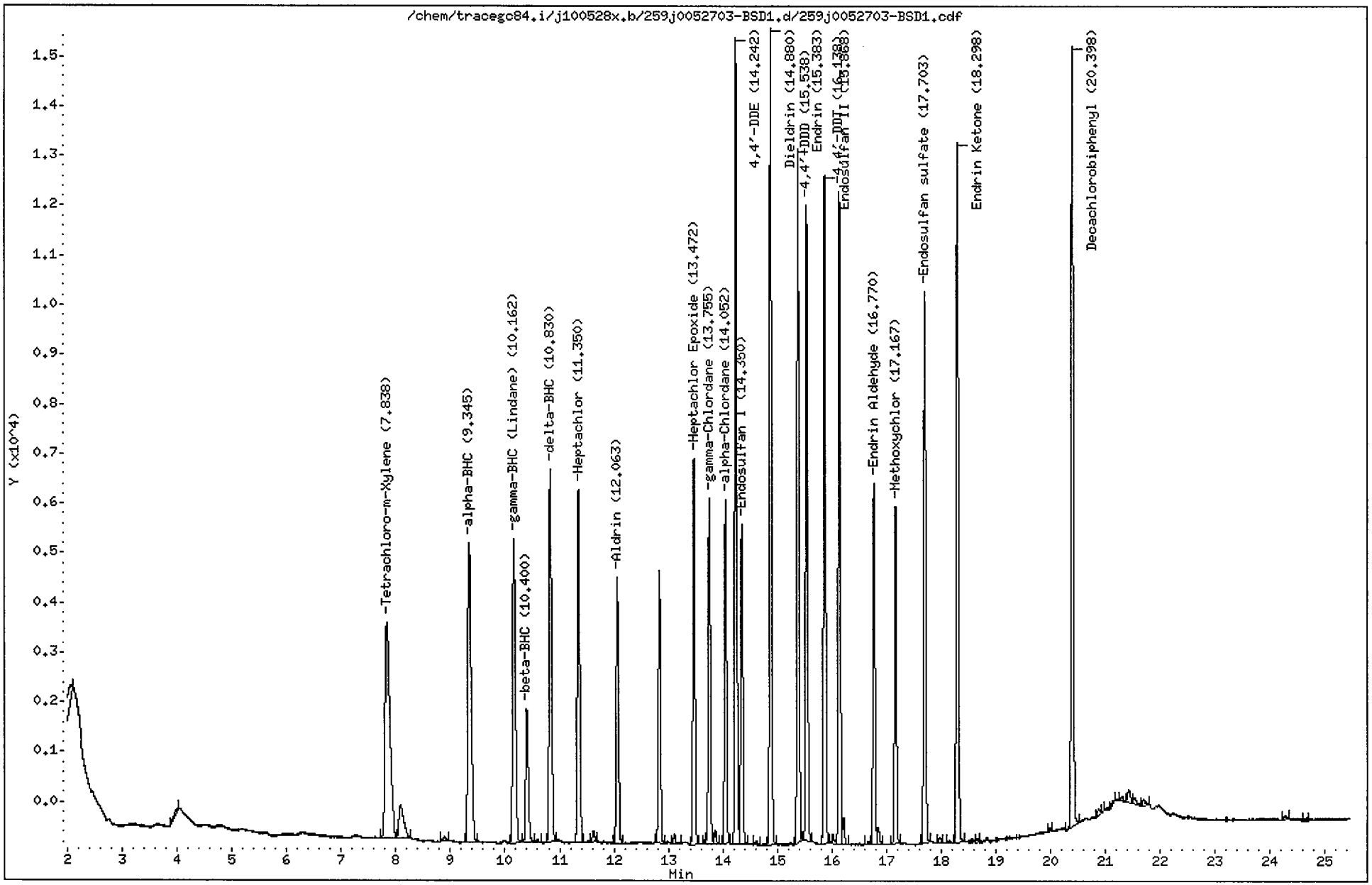
Sample Info: 0052703-BSD1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0052703-BSD1 Client Smp Id : PDCLCSD
Sample Type : LCSD Sublist : DODPEST
Inj Date : 05-JUN-2010 20:48 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : DODWater
Method : /chem/tracegc84.i/j100528x.b/8081A_clpestv6.m
Misc. Info : PDCLCSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.47			43807								
1.92			178								
2.06			1701								
4.01			409								
7.84	7.77	7.91	26899	522758	Tetrachloro-m-Xylene	0.051454	0.257270		85.8	25 - 140	
8.09			4139								
8.88			370								
9.34	9.29	9.43	25477	775960	alpha-BHC	0.032832	0.164158	0.050000	109.4	60 - 130	
10.16	10.11	10.25	21758	729192	gamma-BHC (Lindane)	0.029838	0.149192	0.050000	99.5	25 - 135	
10.40	10.34	10.48	9125	300532	beta-BHC	0.030363	0.151814	0.050000	101.2	65 - 125	
10.59			199								
10.83	10.77	10.91	23774	689518	delta-BHC	0.034478	0.172389	0.050000	114.9	45 - 135	
11.35	11.29	11.43	21389	695465	Heptachlor	0.030754	0.153768	0.050000	102.5	40 - 130	
11.63			626								
12.06	12.01	12.15	15089	636570	Aldrin	0.023704	0.118518	0.050000	79.0	25 - 140	
12.84			14769								
13.12			523								
13.47	13.42	13.56	20023	593700	Heptachlor Epoxide	0.033726	0.168629	0.050000	112.4	60 - 130	
13.67			144								
13.76	13.70	13.84	18222	594875	gamma-Chlordane	0.030630	0.153150	0.050000	102.1	60 - 125	
13.86			668								
14.05	14.00	14.14	17440	516712	alpha-Chlordane	0.033750	0.168750	0.050000	112.5	65 - 125	
14.24	14.19	14.33	39079	523741	4,4'-DDE	0.074615	0.373075	0.100000	99.5	35 - 140	
14.35	14.29	14.43	17155	548162	Endosulfan I	0.031294	0.156468	0.050000	104.3	50 - 110	
14.61			211								
14.88	14.82	14.96	41430	515556	Dieldrin	0.080358	0.401789	0.100000	107.1	60 - 130	
15.38	15.33	15.47	34862	463071	Endrin	0.075282	0.376411	0.100000	100.4	55 - 135	
15.54	15.48	15.62	30592	393458	4,4'-DDD	0.077749	0.388746	0.100000	103.7	25 - 150	
15.87	15.81	15.95	34126	450326	Endosulfan II	0.075778	0.378892	0.100000	101.0	30 - 130	
16.02			496								
16.14	16.08	16.22	31925	454781	4,4'-DDT	0.070196	0.350982	0.100000	93.6	45 - 140	
16.21			1320								
16.67			167								
16.77	16.71	16.85	18444	348470	Endrin Aldehyde	0.052929	0.264643	0.100000	70.6	55 - 135	
16.86			800								
17.17	17.11	17.25	16234	194359	Methoxychlor	0.083521	0.417604	0.500000	111.4	55 - 150	J
17.70	17.65	17.79	28053	392055	Endosulfan sulfate	0.071554	0.357769	0.100000	95.4	55 - 135	

CompuChem

Lab Smp Id : 0052703-BSD1 Client Smp Id : PDCLCSD
Sample Type : LCSD Sublist : DODPEST
Inj Date : 05-JUN-2010 20:48 Inst ID :
Operator : AHW Spike Sublist : DODWater
Method : /chem/tracegc84.i/j100528x.b/8081A_clpestv6.m
Misc. Info : PDCLCSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
17.98		332								
18.14		126								
18.30	18.24 18.38	36570	457258	Endrin Ketone	0.079975	0.399873	0.100000	106.6	75 - 125	
18.66		189								
20.00		145								
20.40	20.33 20.47	40771	408350	Decachlorobiphenyl	0.099841	0.499204		83.2	30 - 135	
20.88		444								
21.03		161								
21.16		311								
21.30		377								
21.43		937								
21.54		503								
21.70		478								
24.28		223								
24.61		203								

Data File: /chem/tracegc84.i/j100528x_2C.b/259j0052703-BSD1.d

Date : 05-JUN-2010 20:48

Client ID: PDCLCSD

Instrument: tracegc84.i

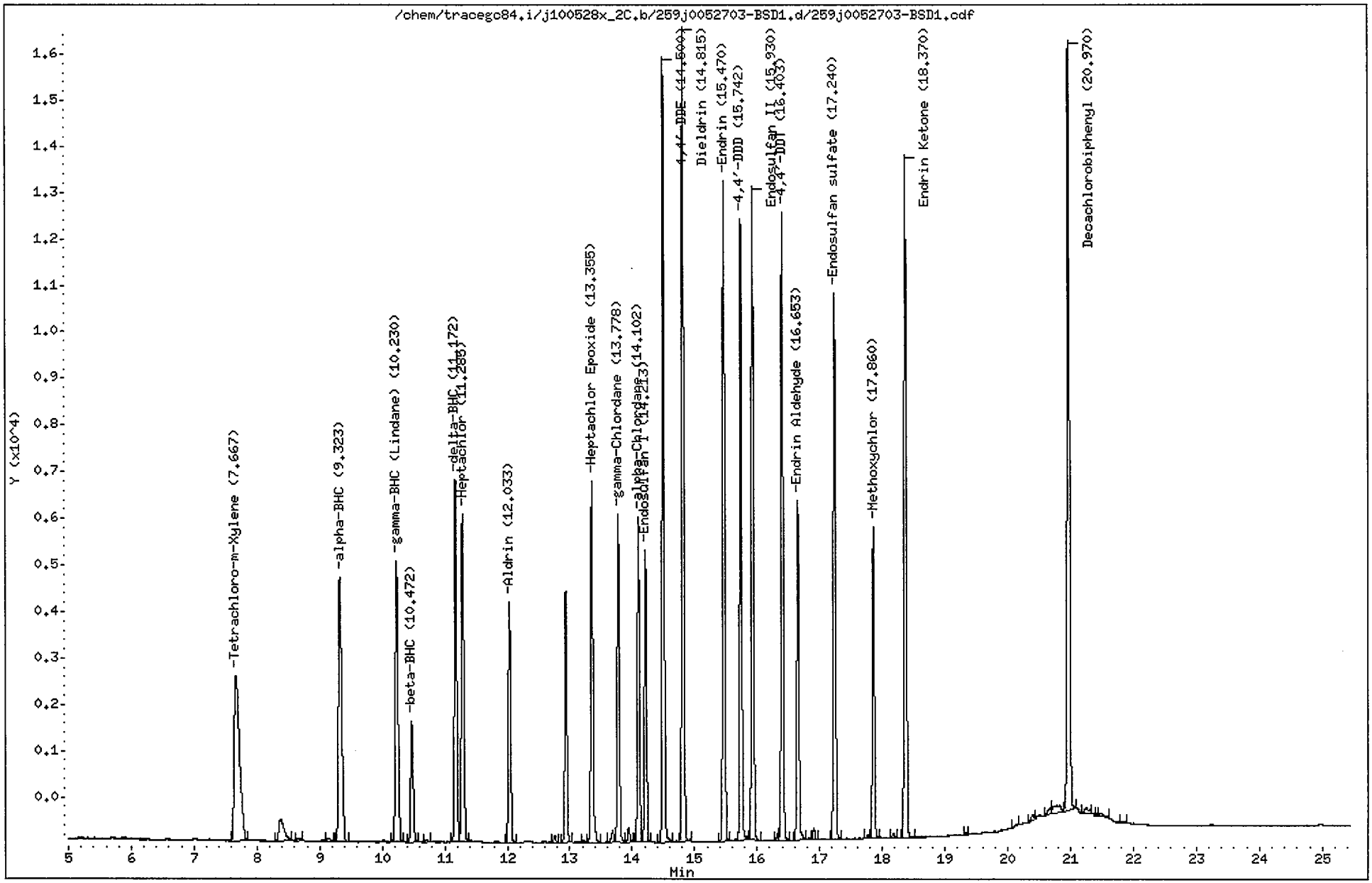
Sample Info: 0052703-BSD1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0052703-BSD1 Client Smp Id : PDCLCSD
Sample Type : LCSD Sublist : DODPEST
Inj Date : 05-JUN-2010 20:48 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : DODWater
Method : /chem/tracegc84.i/j100528x_2C.b/8081A_clpest2v6.m
Misc. Info : PDCLCSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.45			18990								
1.86			7222								
7.67	7.61	7.75	21163	416798	Tetrachloro-m-Xylene	0.050775	0.253876		84.6	25 - 140	
8.38			2698								
8.67			200								
9.14			273								
9.32	9.26	9.40	20130	607758	alpha-BHC	0.033120	0.165601	0.050000	110.4	60 - 130	
10.23	10.17	10.31	17538	585542	gamma-BHC (Lindane)	0.029952	0.149759	0.050000	99.8	25 - 135	
10.47	10.41	10.55	7291	248610	beta-BHC	0.029327	0.146635	0.050000	97.8	65 - 125	
10.70			153								
11.17	11.11	11.25	19438	551235	delta-BHC	0.035261	0.176304	0.050000	117.5	45 - 135	
11.28	11.22	11.36	18738	579497	Heptachlor	0.032333	0.161666	0.050000	107.8	40 - 130	
12.03	11.97	12.11	12826	542192	Aldrin	0.023654	0.118270	0.050000	78.8	25 - 140	
12.76			315								
12.94			12648								
13.22			106								
13.36	13.29	13.43	18353	511912	Heptachlor Epoxide	0.035852	0.179259	0.050000	119.5	60 - 130	
13.69			659								
13.78	13.71	13.85	16047	513150	gamma-Chlordane	0.031270	0.156348	0.050000	104.2	60 - 125	
13.94			685								
14.10	14.04	14.18	15484	446248	alpha-Chlordane	0.034698	0.173491	0.050000	115.7	65 - 125	
14.21	14.15	14.29	14069	477982	Endosulfan I	0.029432	0.147160	0.050000	98.1	50 - 110	
14.50	14.43	14.57	36405	468602	4,4'-DDE	0.077688	0.388442	0.100000	103.6	35 - 140	
14.82	14.75	14.89	39042	461929	Dieldrin	0.084520	0.422598	0.100000	112.7	60 - 130	
15.47	15.40	15.54	32325	408649	Endrin	0.079100	0.395499	0.100000	105.5	55 - 135	
15.74	15.67	15.81	28856	340626	4,4'-DDD	0.084712	0.423558	0.100000	112.9	25 - 150	
15.93	15.86	16.00	31772	404930	Endosulfan II	0.078463	0.392315	0.100000	104.6	30 - 130	
16.33			313								
16.40	16.33	16.47	29441	405929	4,4'-DDT	0.072525	0.362625	0.100000	96.7	45 - 140	
16.65	16.59	16.73	16991	316985	Endrin Aldehyde	0.053599	0.267994	0.100000	71.5	55 - 135	
16.91			570								
17.24	17.17	17.31	26887	366674	Endosulfan sulfate	0.073324	0.366620	0.100000	97.8	55 - 135	
17.77			127								
17.86	17.79	17.93	14602	182916	Methoxychlor	0.079824	0.399118	0.500000	106.4	55 - 150	J
18.18			232								
18.37	18.30	18.44	34559	419519	Endrin Ketone	0.082378	0.411889	0.100000	109.8	75 - 125	
19.33			110								

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CompuChem

Lab Smp Id : 0052703-BSD1 Client Smp Id : PDCLCSD
Sample Type : LCSD Sublist : DODPEST
Inj Date : 05-JUN-2010 20:48 Inst ID :
Operator : AHW Spike Sublist : DODWater
Method : /chem/tracegc84.i/j100528x_2C.b/8081A_clpest2v6.m
Misc. Info : PDCLCSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
20.15		107								
20.40		385								
20.68		584								
20.78		1243								
20.97	20.90 21.04	42650	406698	Decachlorobiphenyl	0.104869	0.524345		87.4	30 - 135	
21.25		506								
21.41		95								
21.48		399								
21.83		111								

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PDNLCS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 0052803-BS1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/28/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/06/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.12	
319-85-7	beta-BHC	0.15	
319-84-6	alpha-BHC	0.16	
319-86-8	delta-BHC	0.17	
58-89-9	gamma-BHC (Lindane)	0.15	
72-54-8	4,4'-DDD	0.38	
72-55-9	4,4'-DDE	0.37	
50-29-3	4,4'-DDT	0.35	
60-57-1	Dieldrin	0.40	
959-98-8	Endosulfan I	0.14	
33213-65-9	Endosulfan II	0.37	
1031-07-8	Endosulfan sulfate	0.35	
72-20-8	Endrin	0.37	
7421-93-4	Endrin Aldehyde	0.24	
76-44-8	Heptachlor	0.14	
1024-57-3	Heptachlor Epoxide	0.17	
72-43-5	Methoxychlor	0.39	J
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.39	
5103-74-2	gamma-Chlordane	0.15	
5103-71-9	alpha-Chlordane	0.16	

Data File: /chem/tracegc84.i/j100528y.b/271j0052803-BS1.d

Date : 06-JUN-2010 02:34

Client ID: PDNLCS

Sample Info: 0052803-BS1

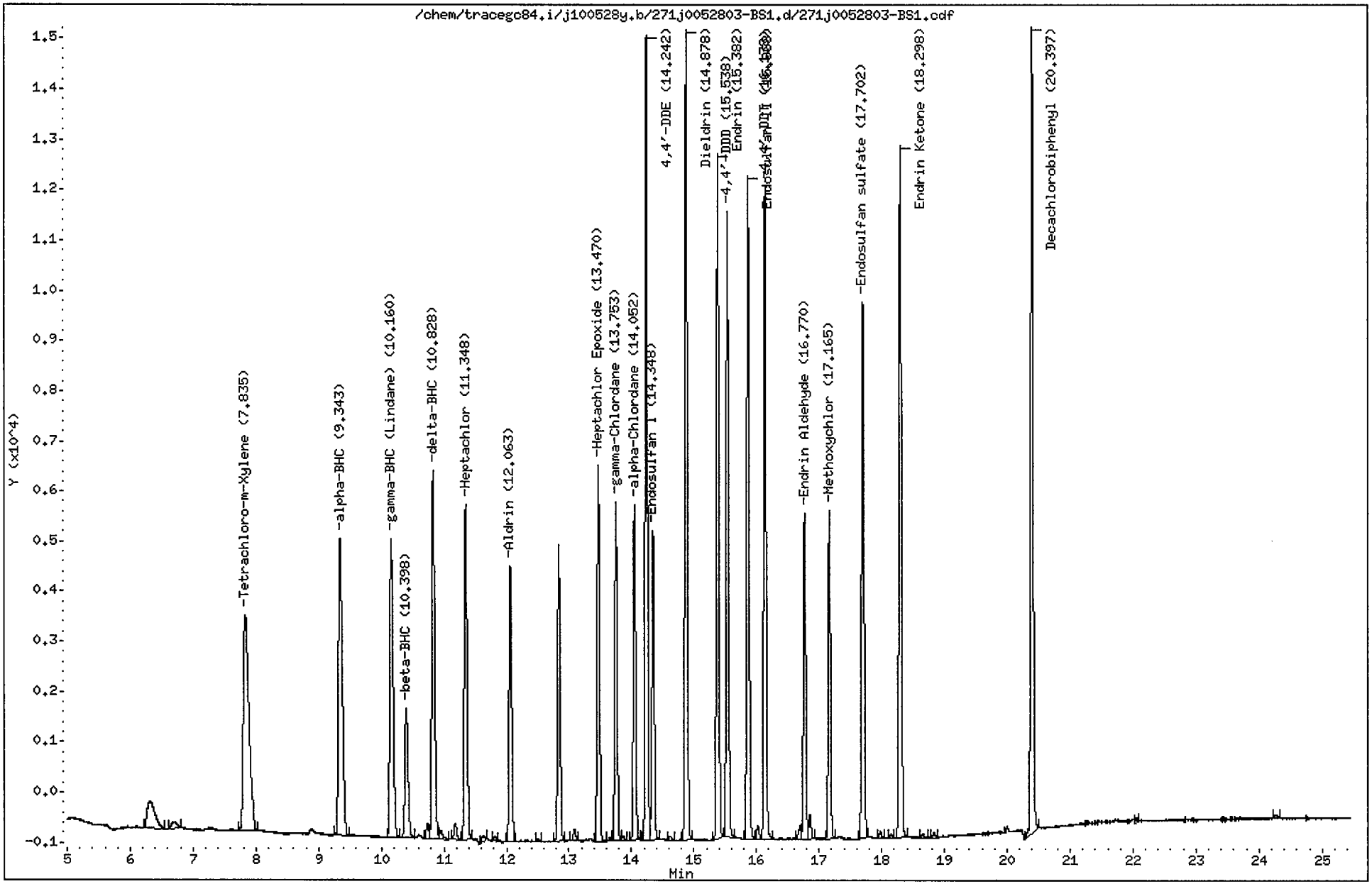
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0052803-BS1 Client Smp Id : PDNLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 06-JUN-2010 02:34 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : DODWater
Method : /chem/tracegc84.i/j100528y.b/8081A_clpestv6.m
Misc. Info : PDNLCS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.36			353								
1.47			44126								
2.09			171173								
3.66			819								
3.98			162								
4.77			359								
6.30			4663								
6.70			751								
7.84	7.77	7.91	26734	522758	Tetrachloro-m-Xylene	0.051140	0.255702		85.2	25 - 140	
9.34	9.29	9.43	25156	775960	alpha-BHC	0.032419	0.162096	0.050000	108.1	60 - 130	
10.16	10.11	10.25	21423	729192	gamma-BHC (Lindane)	0.029379	0.146895	0.050000	97.9	25 - 135	
10.40	10.34	10.48	8816	300532	beta-BHC	0.029335	0.146673	0.050000	97.8	65 - 125	
10.73			859								
10.83	10.77	10.91	23350	689518	delta-BHC	0.033864	0.169321	0.050000	112.9	45 - 135	
10.95			634								
11.18			969								
11.35	11.29	11.43	20111	695465	Heptachlor	0.028917	0.144587	0.050000	96.4	40 - 130	
11.62			400								
11.81			224								
12.06	12.01	12.15	15537	636570	Aldrin	0.024407	0.122037	0.050000	81.4	25 - 140	
12.51			135								
12.84			16204								
13.09			672								
13.47	13.42	13.56	19653	593700	Heptachlor Epoxide	0.033103	0.165513	0.050000	110.3	60 - 130	
13.66			146								
13.75	13.70	13.84	17443	594875	gamma-Chlordane	0.029320	0.146602	0.050000	97.7	60 - 125	
13.87			250								
14.05	14.00	14.14	16941	516712	alpha-Chlordane	0.032786	0.163931	0.050000	109.3	65 - 125	
14.24	14.19	14.33	39007	523741	4,4'-DDE	0.074476	0.372379	0.100000	99.3	35 - 140	
14.35	14.29	14.43	16136	548162	Endosulfan I	0.029437	0.147183	0.050000	98.1	50 - 110	
14.62			242								
14.88	14.82	14.96	40787	515556	Dieldrin	0.079111	0.395553	0.100000	105.5	60 - 130	
15.38	15.33	15.47	34367	463071	Endrin	0.074215	0.371077	0.100000	99.0	55 - 135	
15.54	15.48	15.62	30080	393458	4,4'-DDD	0.076448	0.382240	0.100000	101.9	25 - 150	
15.87	15.81	15.95	33488	450326	Endosulfan II	0.074364	0.371819	0.100000	99.2	30 - 130	
16.02			771								
16.14	16.08	16.22	31764	454781	4,4'-DDT	0.069842	0.349212	0.100000	93.1	45 - 140	

CompuChem

Lab Smp Id : 0052803-BS1 Client Smp Id : PDNLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 06-JUN-2010 02:34 Inst ID :
Operator : AHW Spike Sublist : DODWater
Method : /chem/tracegc84.i/j100528y.b/8081A_clpestv6.m
Misc. Info : PDNLCS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
16.70		729								
16.77	16.71 16.85	16382	348470	Endrin Aldehyde	0.047011	0.235056	0.100000	62.7	55 - 135	
16.85		1229								
17.16	17.11 17.25	16053	194359	Methoxychlor	0.082589	0.412947	0.500000	110.1	55 - 150	J
17.70	17.65 17.79	27356	392055	Endosulfan sulfate	0.069773	0.348867	0.100000	93.0	55 - 135	
17.98		344								
18.15		217								
18.30	18.24 18.38	35852	457258	Endrin Ketone	0.078407	0.392033	0.100000	104.5	75 - 125	
18.66		186								
18.84		270								
20.40	20.33 20.47	41879	408350	Decachlorobiphenyl	0.102554	0.512771		85.5	30 - 135	
22.05		150								
24.27		222								

Data File: /chem/tracegc84.i/j100528y_2C.b/271j0052803-BS1.d

Page 1

Date : 06-JUN-2010 02:34

Client ID: PDNLCS

Instrument: tracegc84.i

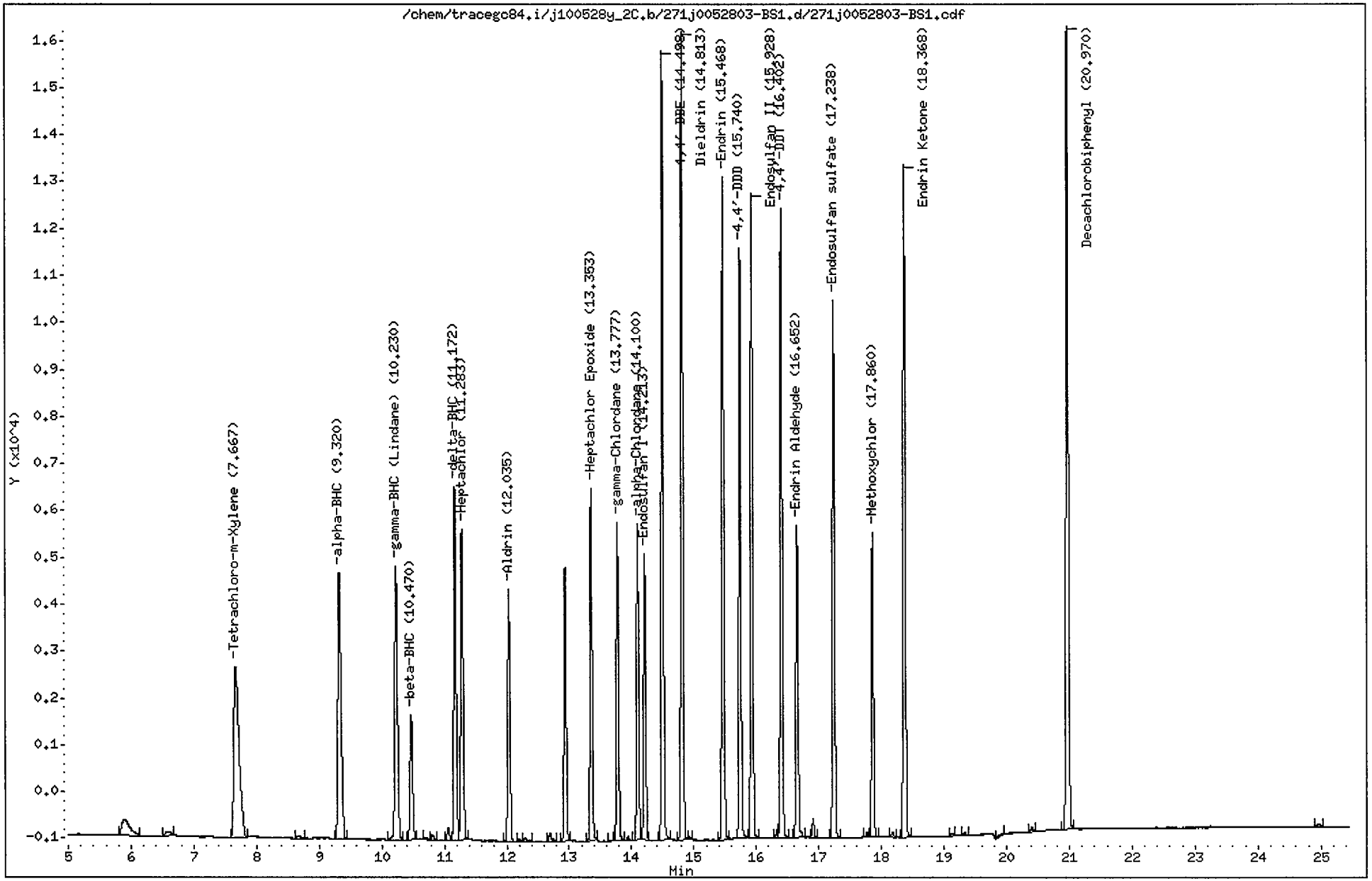
Sample Info: 0052803-BS1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0052803-BS1 Client Smp Id : PDNLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 06-JUN-2010 02:34 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : DODWater
Method : /chem/tracegc84.i/j100528y_2C.b/8081A_clpest2v6.m
Misc. Info : PDNLCS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.48			16143								
1.90			152588								
3.03			945								
3.47			168								
4.04			155								
5.89			3074								
6.58			485								
7.67	7.61	7.75	21261	416798	Tetrachloro-m-Xylene	0.051010	0.255052		85.0	25 - 140	
8.67			275								
9.32	9.26	9.40	19843	607758	alpha-BHC	0.032650	0.163248	0.050000	108.8	60 - 130	
10.23	10.17	10.31	17557	585542	gamma-BHC (Lindane)	0.029982	0.149912	0.050000	99.9	25 - 135	
10.47	10.41	10.55	7525	248610	beta-BHC	0.030268	0.151341	0.050000	100.9	65 - 125	
10.70			102								
10.81			348								
11.06			656								
11.17	11.11	11.25	18886	551235	delta-BHC	0.034259	0.171297	0.050000	114.2	45 - 135	
11.28	11.22	11.36	17568	579497	Heptachlor	0.030314	0.151571	0.050000	101.0	40 - 130	
12.04	11.97	12.11	13277	542192	Aldrin	0.024486	0.122429	0.050000	81.6	25 - 140	
12.19			93								
12.29			206								
12.69			482								
12.94			13912								
13.35	13.29	13.43	17201	511912	Heptachlor Epoxide	0.033601	0.168007	0.050000	112.0	60 - 130	
13.67			93								
13.78	13.71	13.85	15534	513150	gamma-Chlordane	0.030270	0.151350	0.050000	100.9	60 - 125	
13.94			206								
14.10	14.04	14.18	15101	446248	alpha-Chlordane	0.033838	0.169189	0.050000	112.8	65 - 125	
14.21	14.15	14.29	13820	477982	Endosulfan I	0.028913	0.144566	0.050000	96.4	50 - 110	
14.50	14.43	14.57	36202	468602	4,4'-DDE	0.077253	0.386266	0.100000	103.0	35 - 140	
14.81	14.75	14.89	38115	461929	Dieldrin	0.082511	0.412553	0.100000	110.0	60 - 130	
14.93			105								
15.47	15.40	15.54	31496	408649	Endrin	0.077074	0.385368	0.100000	102.8	55 - 135	
15.74	15.67	15.81	27288	340626	4,4'-DDD	0.080111	0.400556	0.100000	106.8	25 - 150	
15.93	15.86	16.00	31018	404930	Endosulfan II	0.076601	0.383004	0.100000	102.1	30 - 130	
16.33			400								
16.40	16.33	16.47	29174	405929	4,4'-DDT	0.071867	0.359336	0.100000	95.8	45 - 140	
16.65	16.59	16.73	15452	316985	Endrin Aldehyde	0.048747	0.243734	0.100000	65.0	55 - 135	

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CompuChem

Lab Smp Id : 0052803-BS1 Client Smp Id : PDNLCS
Sample Type : LCS Sublist : DODPEST
Inj Date : 06-JUN-2010 02:34 Inst ID :
Operator : AHW Spike Sublist : DODWater
Method : /chem/tracegc84.i/j100528y_2C.b/8081A_clpest2v6.m
Misc. Info : PDNLCS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
16.91		883								
17.24	17.17 17.31	26196	366674	Endosulfan sulfate	0.071440	0.357198	0.100000	95.3	55 - 135	
17.77		180								
17.86	17.79 17.93	14394	182916	Methoxychlor	0.078686	0.393432	0.500000	104.9	55 - 150	J
18.18		272								
18.37	18.30 18.44	33774	419519	Endrin Ketone	0.080504	0.402521	0.100000	107.3	75 - 125	
19.13		127								
19.33		170								
19.96		203								
20.40		247								
20.97	20.90 21.04	43160	406698	Decachlorobiphenyl	0.106123	0.530616		88.4	30 - 135	
24.97		211								

c. Matrix Spike Data

- Tabulated Results (Form I)

- Chromatograms and data system printout(s)

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBG-GW02MS

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 0052803-MS1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/27/10

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/28/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/06/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.088	
319-85-7	beta-BHC	0.13	
319-84-6	alpha-BHC	0.16	
319-86-8	delta-BHC	0.17	
58-89-9	gamma-BHC (Lindane)	0.14	
72-54-8	4,4'-DDD	0.38	
72-55-9	4,4'-DDE	0.36	
50-29-3	4,4'-DDT	0.31	
60-57-1	Dieldrin	0.39	
959-98-8	Endosulfan I	0.14	
33213-65-9	Endosulfan II	0.38	
1031-07-8	Endosulfan sulfate	0.35	
72-20-8	Endrin	0.38	
7421-93-4	Endrin Aldehyde	0.20	
76-44-8	Heptachlor	0.12	
1024-57-3	Heptachlor Epoxide	0.16	
72-43-5	Methoxychlor	0.39	J
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.39	
5103-74-2	gamma-Chlordane	0.15	
5103-71-9	alpha-Chlordane	0.16	

Data File: /chem/tracegc84.i/j100528y.b/272j0052803-MS1.d

Page 1

Date : 06-JUN-2010 03:03

Client ID: BBG-GW02MS

Instrument: tracegc84.i

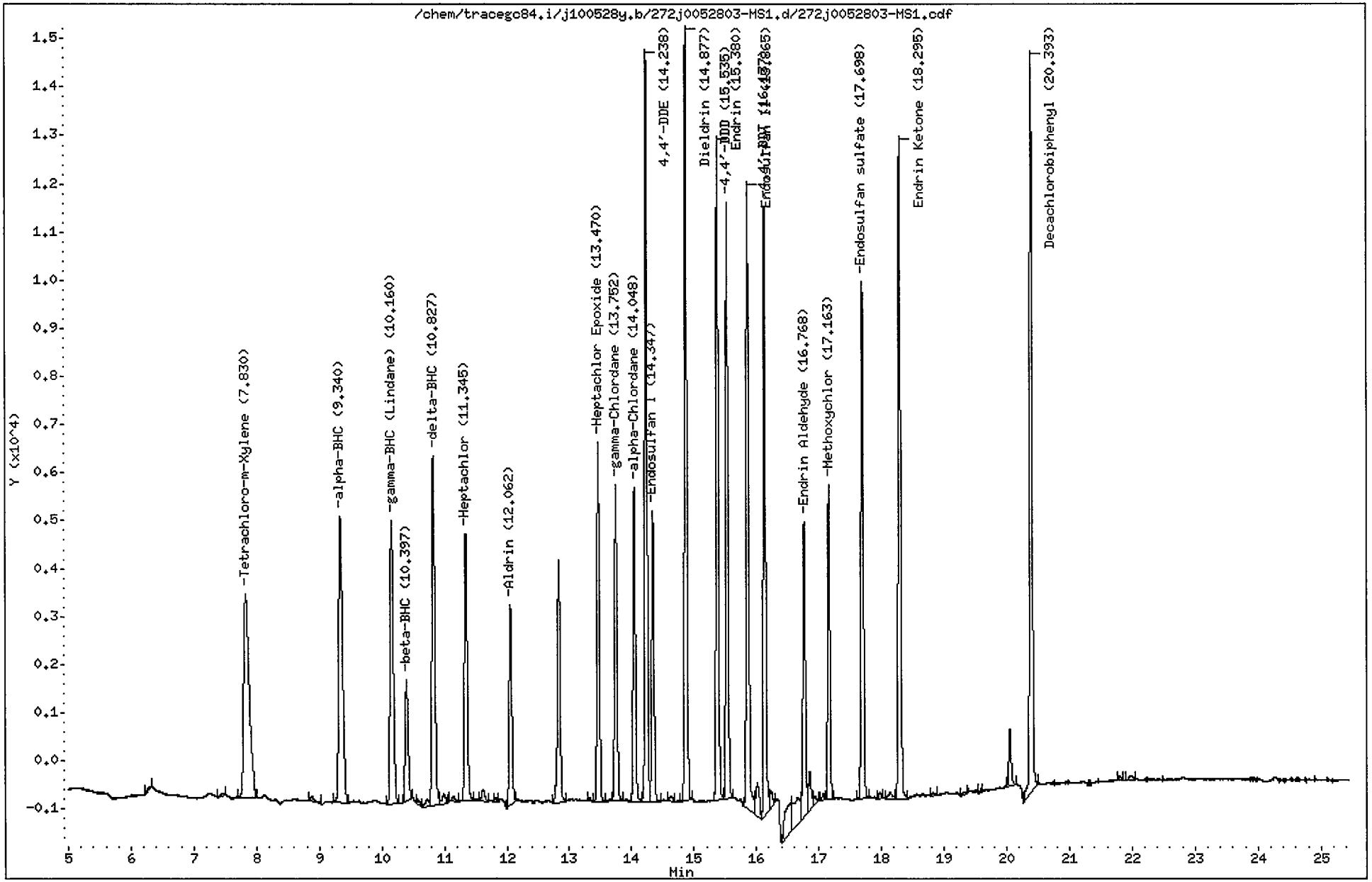
Sample Info: 0052803-MS1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest

Column diameter: 0.32



CompuChem

Lab Smp Id : 0052803-MS1 Client Smp Id : BBG-GW02MS
Sample Type : MS Sublist : DODPEST
Inj Date : 06-JUN-2010 03:03 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : DODWater
Method : /chem/tracegc84.i/j100528y.b/8081A_clpestv6.m
Misc. Info : BBG-GW02MS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.46			49196								
2.08			178453								
3.64			965								
4.00			981								
6.30			160								
7.46			269								
7.83	7.77	7.91	26088	522758	Tetrachloro-m-Xylene	0.049905	0.249523		83.2	25 - 140	
8.89			401								
9.34	9.29	9.43	25157	775960	alpha-BHC	0.032419	0.162096	0.050000	108.1	60 - 130	
10.16	10.11	10.25	21096	729192	gamma-BHC (Lindane)	0.028929	0.144646	0.050000	96.4	25 - 135	
10.40	10.34	10.48	8105	300532	beta-BHC	0.026965	0.134827	0.050000	89.9	65 - 125	
10.58			275								
10.73			578								
10.83	10.77	10.91	23658	689518	delta-BHC	0.034309	0.171547	0.050000	114.4	45 - 135	
10.99			717								
11.14			377								
11.34	11.29	11.43	16892	695465	Heptachlor	0.024287	0.121437	0.050000	81.0	40 - 130	
11.62			816								
11.82			215								
12.06	12.01	12.15	12081	636570	Aldrin	0.018977	0.094884	0.050000	63.3	25 - 140	
12.84			14445								
13.33			133								
13.47	13.42	13.56	19341	593700	Heptachlor Epoxide	0.032577	0.162885	0.050000	108.6	60 - 130	
13.75	13.70	13.84	17281	594875	gamma-Chlordane	0.029050	0.145249	0.050000	96.8	60 - 125	
14.05	14.00	14.14	16760	516712	alpha-Chlordane	0.032434	0.162169	0.050000	108.1	65 - 125	
14.24	14.19	14.33	38038	523741	4,4'-DDE	0.072626	0.363128	0.100000	96.8	35 - 140	
14.35	14.29	14.43	15696	548162	Endosulfan I	0.028632	0.143160	0.050000	95.4	50 - 110	
14.64			344								
14.88	14.82	14.96	40249	515556	Dieldrin	0.078069	0.390345	0.100000	104.1	60 - 130	
15.38	15.33	15.47	35023	463071	Endrin	0.075630	0.378149	0.100000	100.8	55 - 135	
15.54	15.48	15.62	29733	393458	4,4'-DDD	0.075566	0.377830	0.100000	100.8	25 - 150	
15.86	15.81	15.95	35007	450326	Endosulfan II	0.077737	0.388685	0.100000	103.6	30 - 130	
16.02			2941								
16.14	16.08	16.22	30984	454781	4,4'-DDT	0.068129	0.340647	0.100000	90.8	45 - 140	
16.23			1037								
16.56			4888								
16.66			4119								

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CompuChem

Lab Smp Id : 0052803-MS1 Client Smp Id : BBG-GW02MS
Sample Type : MS Sublist : DODPEST
Inj Date : 06-JUN-2010 03:03 Inst ID :
Operator : AHW Spike Sublist : DODWater
Method : /chem/tracegc84.i/j100528y.b/8081A_clpestv6.m
Misc. Info : BBG-GW02MS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
16.77	16.71 16.85	16962	348470	Endrin Aldehyde	0.048676	0.243378	0.100000	64.9	55 - 135	
16.86		2440								
16.94		592								
17.07		282								
17.16	17.11 17.25	15810	194359	Methoxychlor	0.081339	0.406696	0.500000	108.5	55 - 150	J
17.70	17.65 17.79	27309	392055	Endosulfan sulfate	0.069653	0.348267	0.100000	92.9	55 - 135	
17.97		330								
18.14		556								
18.30	18.24 18.38	35845	457258	Endrin Ketone	0.078389	0.391945	0.100000	104.5	75 - 125	
18.83		161								
19.33		294								
19.59		132								
20.05		3012								
20.39	20.33 20.47	41104	408350	Decachlorobiphenyl	0.100659	0.503294		83.9	30 - 135	
21.80		316								
21.98		351								

Data File: /chem/tracegc84.i/j100528y_2C.b/272j0052803-MS1.d

Date : 06-JUN-2010 03:03

Client ID: BBG-GW02MS

Instrument: tracegc84.i

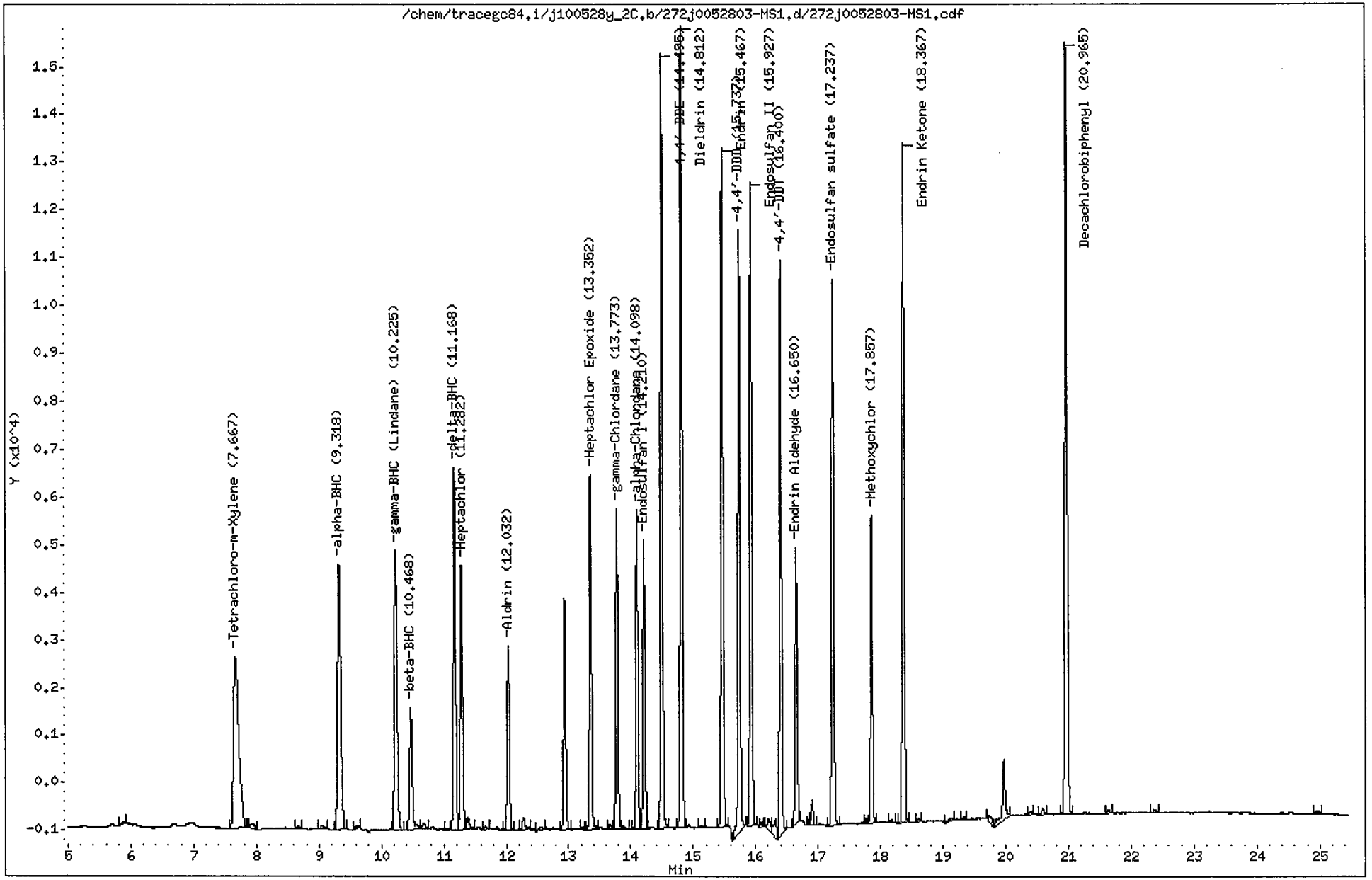
Sample Info: 0052803-MS1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0052803-MS1 Client Smp Id : BBG-GW02MS
Sample Type : MS Sublist : DODPEST
Inj Date : 06-JUN-2010 03:03 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : DODWater
Method : /chem/tracegc84.i/j100528y_2C.b/8081A_clpest2v6.m
Misc. Info : BBG-GW02MS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.47			18279								
1.90			159602								
3.00			466								
3.43			244								
5.89			143								
7.67	7.61	7.75	21095	416798	Tetrachloro-m-Xylene	0.050612	0.253061		84.4	25 - 140	
7.92			439								
8.67			185								
9.05			240								
9.32	9.26	9.40	19732	607758	alpha-BHC	0.032467	0.162334	0.050000	108.2	60 - 130	
9.59			164								
10.22	10.17	10.31	17156	585542	gamma-BHC (Lindane)	0.029298	0.146488	0.050000	97.7	25 - 135	
10.47	10.41	10.55	7661	248610	beta-BHC	0.030815	0.154077	0.050000	102.7	65 - 125	
10.68			397								
11.06			136								
11.17	11.11	11.25	18971	551235	delta-BHC	0.034415	0.172077	0.050000	114.7	45 - 135	
11.28	11.22	11.36	14599	579497	Heptachlor	0.025193	0.125963	0.050000	84.0	40 - 130	
11.38			695								
11.66			161								
12.03	11.97	12.11	9536	542192	Aldrin	0.017588	0.087939	0.050000	58.6	25 - 140	
12.28			698								
12.54			317								
12.93			11747								
13.22			105								
13.35	13.29	13.43	17106	511912	Heptachlor Epoxide	0.033416	0.167079	0.050000	111.4	60 - 130	
13.66			243								
13.77	13.71	13.85	15052	513150	gamma-Chlordane	0.029333	0.146663	0.050000	97.8	60 - 125	
13.87			166								
14.10	14.04	14.18	14874	446248	alpha-Chlordane	0.033331	0.166656	0.050000	111.1	65 - 125	
14.21	14.15	14.29	13690	477982	Endosulfan I	0.028641	0.143206	0.050000	95.5	50 - 110	
14.50	14.43	14.57	35151	468602	4,4'-DDE	0.075012	0.375062	0.100000	100.0	35 - 140	
14.81	14.75	14.89	37677	461929	Dieldrin	0.081565	0.407823	0.100000	108.8	60 - 130	
15.12			108								
15.47	15.40	15.54	31976	408649	Endrin	0.078246	0.391228	0.100000	104.3	55 - 135	
15.74	15.67	15.81	28511	340626	4,4'-DDD	0.083699	0.418494	0.100000	111.6	25 - 150	
15.93	15.86	16.00	30783	404930	Endosulfan II	0.076018	0.380090	0.100000	101.4	30 - 130	
16.09			220								

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CompuChem

Lab Smp Id : 0052803-MS1 Client Smp Id : BBG-GW02MS
Sample Type : MS Sublist : DODPEST
Inj Date : 06-JUN-2010 03:03 Inst ID :
Operator : AHW Spike Sublist : DODWater
Method : /chem/tracegc84.i/j100528y_2C.b/8081A_clpest2v6.m
Misc. Info : BBG-GW02MS

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
16.21		815								
16.32		1283								
16.40	16.33 16.47	25433	405929	4,4'-DDT	0.062654	0.313269	0.100000	83.5	45 - 140	
16.65	16.59 16.73	12955	316985	Endrin Aldehyde	0.040866	0.204331	0.100000	54.5*	55 - 135	R
16.85		211								
16.90		1114								
17.24	17.17 17.31	26308	366674	Endosulfan sulfate	0.071745	0.358725	0.100000	95.7	55 - 135	
17.77		206								
17.86	17.79 17.93	14295	182916	Methoxychlor	0.078145	0.390726	0.500000	104.2	55 - 150	J
18.18		147								
18.37	18.30 18.44	33138	419519	Endrin Ketone	0.078988	0.394941	0.100000	105.3	75 - 125	
18.60		174								
19.12		294								
19.33		147								
19.73		662								
19.97		3909								
20.39		159								
20.59		275								
20.96	20.90 21.04	40989	406698	Decachlorobiphenyl	0.100783	0.503913		84.0	30 - 135	
21.64		183								
22.37		199								
24.96		223								

d. Matrix Spike Duplicate Data

- Tabulated Results (Form I)

- Chromatograms and data system printout(s)

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBG-GW02MSD

Lab Name: COMPUCHEM Contract: 8081B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix: (soil/water) WATER Lab Sample ID: 0052803-MSD1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/27/10

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:05/28/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/06/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.083	
319-85-7	beta-BHC	0.15	
319-84-6	alpha-BHC	0.16	
319-86-8	delta-BHC	0.17	
58-89-9	gamma-BHC (Lindane)	0.15	
72-54-8	4,4'-DDD	0.38	
72-55-9	4,4'-DDE	0.37	
50-29-3	4,4'-DDT	0.33	
60-57-1	Dieldrin	0.39	
959-98-8	Endosulfan I	0.14	
33213-65-9	Endosulfan II	0.37	
1031-07-8	Endosulfan sulfate	0.35	
72-20-8	Endrin	0.38	
7421-93-4	Endrin Aldehyde	0.24	
76-44-8	Heptachlor	0.12	
1024-57-3	Heptachlor Epoxide	0.16	
72-43-5	Methoxychlor	0.40	J
8001-35-2	Toxaphene	2.5	U
53494-70-5	Endrin Ketone	0.39	
5103-74-2	gamma-Chlordane	0.15	
5103-71-9	alpha-Chlordane	0.16	

FORM I PEST

Data File: /chem/tracegc84.i/j100528y.b/273j0052803-MSD1.d

Date : 06-JUN-2010 03:32

Client ID: BBG-GW02MSD

Sample Info: 0052803-MSD1

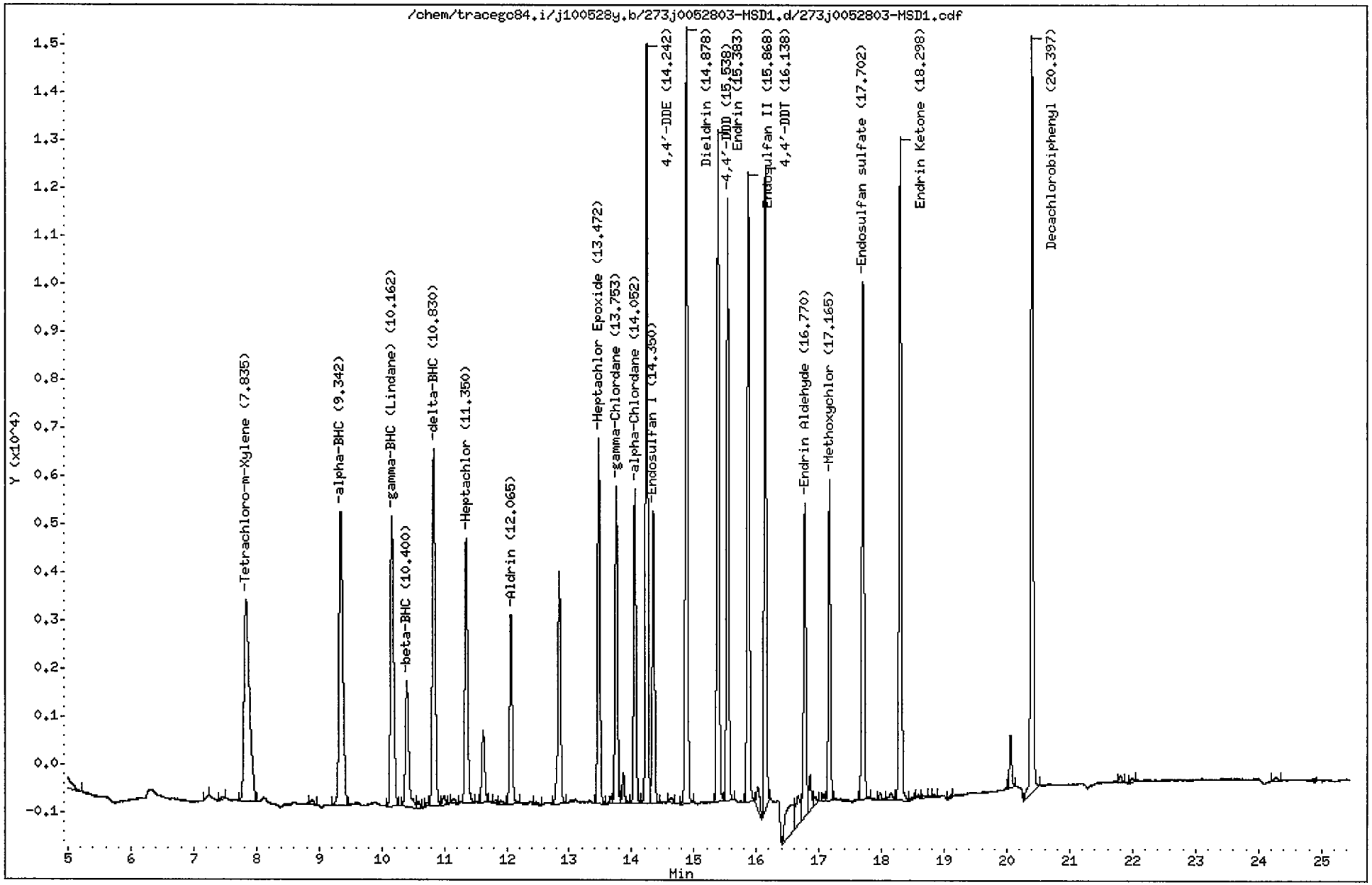
Volume Injected (uL): 1.0

Column phase: clpest

Instrument: tracegc84.i

Operator: AHW

Column diameter: 0.32



CompuChem

Lab Smp Id : 0052803-MSD1 Client Smp Id : BBG-GW02MSD
Sample Type : MSD Sublist : DODPEST
Inj Date : 06-JUN-2010 03:32 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : DODWater
Method : /chem/tracegc84.i/j100528y.b/8081A_clpestv6.m
Misc. Info : BBG-GW02MSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.36			346								
1.47			51828								
2.08			123234								
3.64			327								
4.01			1052								
4.76			18496								
7.23			143								
7.46			235								
7.84	7.77	7.91	25289	522758	Tetrachloro-m-Xylene	0.048374	0.241871		80.6	25 - 140	
8.89			317								
9.34	9.29	9.43	25973	775960	alpha-BHC	0.033472	0.167360	0.050000	111.6	60 - 130	
10.16	10.11	10.25	21360	729192	gamma-BHC (Lindane)	0.029291	0.146457	0.050000	97.6	25 - 135	
10.40	10.34	10.48	9655	300532	beta-BHC	0.032123	0.160615	0.050000	107.1	65 - 125	
10.58			404								
10.73			241								
10.83	10.77	10.91	23608	689518	delta-BHC	0.034237	0.171185	0.050000	114.1	45 - 135	
10.99			667								
11.14			369								
11.35	11.29	11.43	16605	695465	Heptachlor	0.023876	0.119381	0.050000	79.6	40 - 130	
11.62			4814								
11.82			213								
11.90			285								
12.06	12.01	12.15	11292	636570	Aldrin	0.017737	0.088686	0.050000	59.1	25 - 140	
12.47			241								
12.84			14380								
13.47	13.42	13.56	19489	593700	Heptachlor Epoxide	0.032825	0.164123	0.050000	109.4	60 - 130	
13.66			396								
13.75	13.70	13.84	17411	594875	gamma-Chlordane	0.029268	0.146342	0.050000	97.6	60 - 125	
13.86			1632								
14.05	14.00	14.14	16693	516712	alpha-Chlordane	0.032304	0.161521	0.050000	107.7	65 - 125	
14.24	14.19	14.33	38282	523741	4,4'-DDE	0.073093	0.365467	0.100000	97.5	35 - 140	
14.35	14.29	14.43	15811	548162	Endosulfan I	0.028844	0.144218	0.050000	96.1	50 - 110	
14.63			403								
14.88	14.82	14.96	40615	515556	Dieldrin	0.078777	0.393885	0.100000	105.0	60 - 130	
15.38	15.33	15.47	35275	463071	Endrin	0.076176	0.380881	0.100000	101.6	55 - 135	
15.54	15.48	15.62	30023	393458	4,4'-DDD	0.076303	0.381515	0.100000	101.7	25 - 150	
15.87	15.81	15.95	33216	450326	Endosulfan II	0.073758	0.368788	0.100000	98.3	30 - 130	

CompuChem

Lab Smp Id : 0052803-MSD1 Client Smp Id : BBG-GW02MSD
Sample Type : MSD Sublist : DODPEST
Inj Date : 06-JUN-2010 03:32 Inst ID :
Operator : AHW Spike Sublist : DODWater
Method : /chem/tracegc84.i/j100528y.b/8081A_clpestv6.m
Misc. Info : BBG-GW02MSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
16.02		1753								
16.14	16.08 16.22	31956	454781	4,4'-DDT	0.070267	0.351334	0.100000	93.7	45 - 140	
16.56		5999								
16.67		2988								
16.77	16.71 16.85	17850	348470	Endrin Aldehyde	0.051224	0.256120	0.100000	68.3	55 - 135	
16.86		2218								
16.94		503								
17.07		337								
17.16	17.11 17.25	16075	194359	Methoxychlor	0.082708	0.413539	0.500000	110.3	55 - 150	J
17.70	17.65 17.79	27619	392055	Endosulfan sulfate	0.070444	0.352221	0.100000	93.9	55 - 135	
17.98		439								
18.14		499								
18.30	18.24 18.38	36049	457258	Endrin Ketone	0.078835	0.394176	0.100000	105.1	75 - 125	
18.52		190								
18.65		167								
18.84		148								
19.11		188								
20.06		2705								
20.40	20.33 20.47	41844	408350	Decachlorobiphenyl	0.102471	0.512355		85.4	30 - 135	
21.80		376								
21.98		272								
24.27		393								

Data File: /chem/tracegc84.i/j100528y_2C.b/273j0052803-MSD1.d

Date : 06-JUN-2010 03:32

Client ID: BBG-GW02MSD

Instrument: tracegc84.i

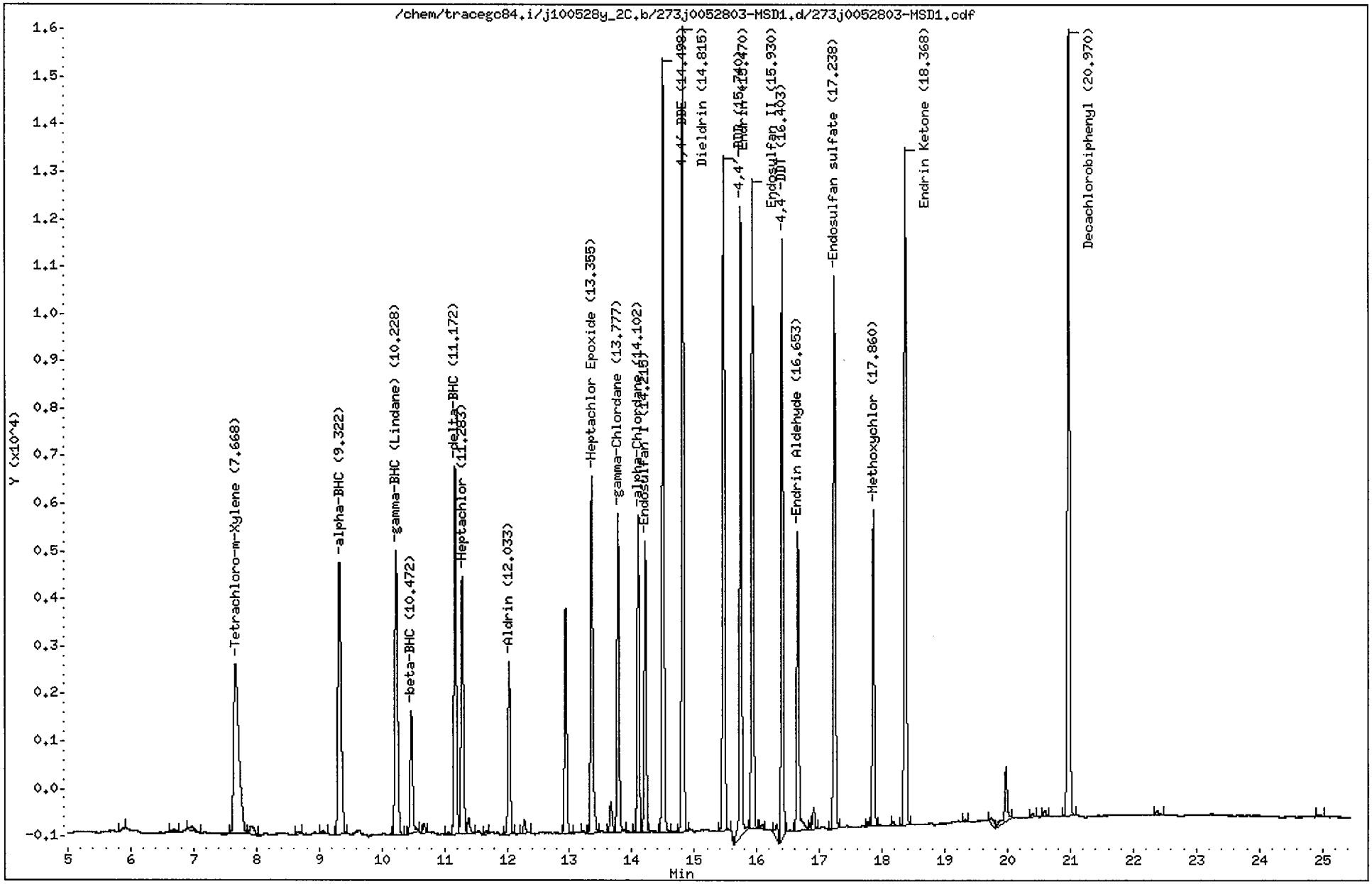
Sample Info: 0052803-MSD1

Volume Injected (uL): 1.0

Operator: AHW

Column phase: clpest2

Column diameter: 0.32



CompuChem

Lab Smp Id : 0052803-MSD1 Client Smp Id : BBG-GW02MSD
Sample Type : MSD Sublist : DODPEST
Inj Date : 06-JUN-2010 03:32 Inst ID : TRACEGC84
Operator : AHW Spike Sublist : DODWater
Method : /chem/tracegc84.i/j100528y_2C.b/8081A_clpest2v6.m
Misc. Info : BBG-GW02MSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW		AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
1.45			19173								
1.89			126617								
2.99			258								
3.44			717								
4.05			14510								
5.90			108								
6.68			218								
6.96			487								
7.67	7.61	7.75	20831	416798	Tetrachloro-m-Xylene	0.049976	0.249882		83.3	25 - 140	
7.92			835								
8.66			200								
9.06			199								
9.32	9.26	9.40	20059	607758	alpha-BHC	0.033005	0.165025	0.050000	110.0	60 - 130	
10.23	10.17	10.31	17424	585542	gamma-BHC (Lindane)	0.029755	0.148777	0.050000	99.2	25 - 135	
10.47	10.41	10.55	7338	248610	beta-BHC	0.029512	0.147560	0.050000	98.4	65 - 125	
10.67			533								
11.06			107								
11.17	11.11	11.25	19293	551235	delta-BHC	0.035000	0.174998	0.050000	116.7	45 - 135	
11.28	11.22	11.36	14277	579497	Heptachlor	0.024635	0.123176	0.050000	82.1	40 - 130	
11.38			918								
11.67			159								
12.03	11.97	12.11	9019	542192	Aldrin	0.016632	0.083162	0.050000	55.4	25 - 140	
12.28			720								
12.94			11367								
13.22			137								
13.36	13.29	13.43	18350	511912	Heptachlor Epoxide	0.035846	0.179230	0.050000	119.5	60 - 130	
13.66			1703								
13.78	13.71	13.85	15177	513150	gamma-Chlordane	0.029574	0.147871	0.050000	98.6	60 - 125	
14.10	14.04	14.18	14923	446248	alpha-Chlordane	0.033441	0.167205	0.050000	111.5	65 - 125	
14.22	14.15	14.29	13767	477982	Endosulfan I	0.028800	0.144001	0.050000	96.0	50 - 110	
14.50	14.43	14.57	35202	468602	4,4'-DDE	0.075119	0.375596	0.100000	100.2	35 - 140	
14.82	14.75	14.89	38052	461929	Dieldrin	0.082376	0.411882	0.100000	109.8	60 - 130	
15.47	15.40	15.54	32350	408649	Endrin	0.079161	0.395804	0.100000	105.5	55 - 135	
15.74	15.67	15.81	29275	340626	4,4'-DDD	0.085942	0.429709	0.100000	114.6	25 - 150	
15.93	15.86	16.00	31085	404930	Endosulfan II	0.076766	0.383832	0.100000	102.4	30 - 130	
16.09			253								
16.32			852								

6/9/10

CompuChem

Lab Smp Id : 0052803-MSD1 Client Smp Id : BBG-GW02MSD
Sample Type : MSD Sublist : DODPEST
Inj Date : 06-JUN-2010 03:32 Inst ID :
Operator : AHW Spike Sublist : DODWater
Method : /chem/tracegc84.i/j100528y_2C.b/8081A_clpest2v6.m
Misc. Info : BBG-GW02MSD

Formula: Conc=(Area/RF) * DF * (Uf * Vt/(Vi * Vo))

DF Dilution Factor: 1.0 Uf GPC Unit Factor: 1
Vt Final Volume: 5000(ul) Vi Injection Volume: 1(ul)
Vo Sample Volume: 1000.0(ml)

RT	RT WINDOW	AREA	QUANT RF	COMPOUND	CONCENTRATIONS ON-COLUMN (Ng)	CONCENTRATIONS FINAL (ug/L)	ADJUSTED PQL (ug/L)	% REC	RECOVERY LIMITS	FLAGS
16.40	16.33 16.47	26601	405929	4,4'-DDT	0.065529	0.327644	0.100000	87.4	45 - 140	
16.65	16.59 16.73	15209	316985	Endrin Aldehyde	0.047977	0.239885	0.100000	64.0	55 - 135	
16.86		319								
16.91		1070								
17.24	17.17 17.31	26472	366674	Endosulfan sulfate	0.072195	0.360975	0.100000	96.3	55 - 135	
17.77		210								
17.86	17.79 17.93	14559	182916	Methoxychlor	0.079589	0.397943	0.500000	106.1	55 - 150	J
18.18		211								
18.37	18.30 18.44	33361	419519	Endrin Ketone	0.079522	0.397610	0.100000	106.0	75 - 125	
19.33		115								
19.73		530								
19.97		3571								
20.40		208								
20.59		311								
20.97	20.90 21.04	42204	406698	Decachlorobiphenyl	0.103770	0.518850		86.5	30 - 135	
22.37		281								
24.96		221								

CompuChem

A Division Of

Liberty Analytical Corp.

7/21/2010

REBEKHA SHAW

CH2M HILL, INC.

5700 CLEVELAND STREET, SUITE 101

VIRGINIA BEACH, VA 23462

Subject:

Report of Data - Project: CTO-094 MCB CAMP LEJEUNE/395307.S. WorkOrder: 1005187

Attn.: REBEKHA SHAW

Enclosed are the results of analytical work performed in accordance with the referenced account number. This report covers sample(s) appearing on the listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097

Sincerely,

Compuchem

a division of Liberty Analytical Corporation

Attachment

TOTAL NUMBER

OF PAGES _____

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

CompuChem, a division of Liberty Analytical

Client: CH2M HILL, INC. **Work:** 1005187

Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM **Sdg:** 1005187

Lab ID	Client ID	Matrix	Date Sampled	Date Received
1005187-01	BBG-GW10	Water	05/24/2010 13:30	05/24/2010 16:15
1005187-02	FB-052510	Water	05/25/2010 09:40	05/25/2010 20:25
1005187-03	BBG-GW01	Water	05/25/2010 10:10	05/25/2010 20:25
1005187-04	EB1-052510	Water	05/25/2010 17:00	05/25/2010 20:25
1005187-05	BBG-GW03	Water	05/25/2010 16:35	05/25/2010 20:25
1005187-06	EB2-052510	Water	05/25/2010 10:35	05/25/2010 20:25
1005187-07	BBG-GW09	Water	05/26/2010 11:30	05/26/2010 19:45
1005187-08	BBG-GW09D	Water	05/26/2010 11:35	05/26/2010 19:45
1005187-09	BBG-GW08	Water	05/26/2010 14:45	05/26/2010 19:45
1005187-10	BBG-GW07	Water	05/27/2010 08:30	05/27/2010 20:05
1005187-11	EB1-052710	Water	05/27/2010 15:25	05/27/2010 20:05
1005187-12	BBG-GW04	Water	05/27/2010 11:30	05/27/2010 20:05
1005187-13	BBG-GW03UCH	Water	05/27/2010 14:10	05/27/2010 20:05
1005187-14	BBG-GW02	Water	05/27/2010 14:00	05/27/2010 20:05
1005187-15	EB2-052710	Water	05/27/2010 15:45	05/27/2010 20:05
1005187-16	EB3-052710	Water	05/27/2010 15:45	05/27/2010 20:05

CompuChem, a Division of Liberty Analytical Corporation

I. SAMPLE DATA SUMMARY PACKAGE

GC/MS by SW-846

Modified For Selected Ion Monitoring (SIM)

The sample data summary package shall contain data for all samples in one Sample Delivery Group (SDG) of the Case, as follows:

A. SDG Narrative

B. Tabulated target compound results (Form I)

C. Surrogate spike analysis results (Form II)
By matrix (Water or Soil), and
by concentration (Low or Medium)

D. Spike results MS / MSD / LCS (Form III)

E. Blank data (Form IV)
Tabulated blank results (Form I)

F. Internal standard area response and retention time data (Form VIII)

LAB CODE: LIBRTY METHOD: 8270C

SDG # : 1005187

A. SDG Narrative

CompuChem
a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG # 1005187
PROTOCOL: SW-846
Date: July 20, 2010

SAMPLE IDENTIFICATIONS:

BBG-GW01, BBG-GW02, BBG-GW02MS, BBG-GW02MSD, BBG-GW03, BBG-GW03UCH, BBG-GW04, BBG-GW07, BBG-GW08, BBG-GW09, BBG-GW09D, BBG-GW10, EB1-052510, EB1-052710, EB2-052510, EB2-052710, EB3-052710, and FB-052510

The eighteen (18) aqueous samples listed above were received intact, with proper documentation, in sealed shipping containers, on May 24, 25, 26, and 27, 2010. The cooler temperatures associated with these samples were 0.9, 3.2, 4.3, 1.8, 0.7, 3.9, 1.3, 5.1, and 2.7 °C.

The samples listed above were scheduled for the requested analysis of the semivolatile Selected Ion Monitoring (SIM) fraction.

SW-846, 3rd Edition, Update 3, Separatory Funnel extraction (Method 3510C), and Method 8270C Selected Ion Monitoring (SIM) were used to prepare and analyze these samples, with the exceptions and/or additions requested by the client. This portion of the narrative deals with the semivolatile SIM fraction only.

Semivolatile SIM:

Extraction holding times were met for all of these samples. Due to instrumentation issues in the semi-volatile laboratory, all samples in this SDG were analyzed outside of the analytical holding time. This may result in the sample results being qualified as estimated during the data validation process. The laboratory believes that the results are usable due to the fact that all surrogate recovery criteria were met in the analyses of these samples and the associated Laboratory Control Samples (LCS) and matrix spike duplicates met all accuracy and precision criteria.

Samples BBG-GW01 and EB3-052710 were, each, extracted using 900 mL of raw sample, rather than the method-specified amount of 1000 mL. The use of this lower volume of the raw sample resulted in slightly higher Contract Required Quantitation Limits (CRQLs).

Samples BBG-GW01UCH and BBG-GW09 were, each, extracted using 925 mL of raw sample, rather than the method-specified amount of 1000 mL. The use of this lower volume of the raw sample resulted in slightly higher Contract Required Quantitation Limits (CRQLs).

Samples BBG-GW02, BBG-GW08, and BBG-GW09D were, each, extracted using 950 mL of raw sample, rather than the method-specified amount of 1000 mL. The use of this lower volume of the raw sample resulted in slightly higher Contract Required Quantitation Limits (CRQLs).

Sample BBG-BW04 was extracted using 500 mL of raw sample, rather than the method-specified amount of 1000 mL. The extract was concentrated to a final volume half that of the method-specified volume, and therefore no effective dilution was performed during the extraction procedure.

Samples EB1-052510 and EB2-052710 were, each, extracted using 975 mL of raw sample, rather than the method-specified amount of 1000 mL. The use of this lower volume of the raw sample resulted in slightly higher Contract Required Quantitation Limits (CRQLs).

The semivolatile SIM project analyte Naphthalene was identified above the Contract Required Quantitation Limit (CRQL) in sample EB2-052710.

Manual integrations were performed on one or more of the process files associated with this SDG. Please see the detailed Manual Integration Summary report that is located behind this SDG narrative. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

Mass assignments were verified by the injections of Perfluorotributylamine for the SIM analysis.

Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All surrogate standards met recovery criteria in the analyses of these samples.

All of the internal standards met response and retention time criteria in the analyses of these samples.

The associated method blanks met all quality control criteria.

Sample BBG-GW02 was used as the original to prepare the duplicate matrix spikes as requested. The associated duplicate matrix spikes met all accuracy and precision criteria.

The associated Laboratory Control Samples, prepared and analyzed along with these samples, met all accuracy and precision criteria.

An uncertainty of these test results may be estimated from the recovery of the surrogates added to the sample prior to sample preparation or from the recovery of spiked compound(s) in the associated laboratory control sample. Further information is available upon request.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Furthermore, I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice. Release of the data contained in this hardcopy data package and in the computer-readable data submitted electronically has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

S. A. Parikh

Saroj A. Parikh
Data Reviewer
July 20, 2010

Manual Integrations											
SDG: 1005187 PAHSIM	BBG-GW03	EB1-052510									
Compound											
Naphthalene											
2-Methylnaphthalene		X									
1-Methylnaphthalene											
Acenaphtylene											
Acenaphthene											
Fluorene											
Phenanthrene											
Anthracene											
Fluoranthene											
Pyrene											
Benzo(a)anthracene											
Chrysene											
Benzo(b)fluoranthene											
Benzo(k)fluoranthene											
Benzo(a)pyrene											
Indeno(1,2,3-cd)pyrene											
Dibenzo(a,h)anthracene											
Benzo(g,h,i)perylene											
1,4-Dichlorobenzene-d4											
Nahthalene-d8											
Acenapthene-d10											
Phenanthrene-d10	X										
Chrysene-d12											
Perylene-d12											
2-fluorophenol											
Phenol-d5											
Nitrobenzene-d5											
2,4,6-Tribromophenol											
2-Fluorobiphenyl											
Terphenyl-d14											
"X" Denotes a manual integration for the compound											

GC and GC/MS Column and Trap Specifications Table

SDG #:	1005187

COLUMNS

Columns Utilized	Brand Name	Coating Material	ID (mm)	Film Thickness (um)	Length (m)
	GC Laboratory				
	Restek	RTX-5	0.53	1.0	30
	Restek	RTX-SMS	0.53	1.0	30
	Restek	clpest	0.32	0.5	30
	Restek	clpest2	0.32	0.42	30
	J&W	DB-210	0.53	1.0	30
	J&W	GS-GASPRO	0.32	N/A	30
	GC Volatiles Laboratory				
	Restek	RTX-Volatiles	0.53	2.0	30
	GC/MS Volatiles Laboratory				
	Restek	RTX-VMS	0.18	1.0	20
	Supelco	SPB-624	0.32	1.8	60
	Supelco	SPB-624	0.53	3.0	75
	Phenomonex	ZB-624	0.32	1.8	60
	GC/MS Semivolatiles Laboratory				
X	Restek	RTX-5MS	0.32	0.25	30
	Phenomonex	ZB-5MS	0.32	0.25	30
	HPLC Laboratory				
	Supelco	Supelcosil LC-PAH	4.6	5.0	15 cm
	Supelco	Discovery RP Amide C16	4.6	5.0	25 cm
	Restek	Pinnacle Cyano	4.6	5.0	25 cm
	Restek	Allure C18	4.6	5.0	25 cm

TRAPS *

GC and GC/MS Volatiles Laboratory	
Supelco J (BETXTRAP™)	* 7.7 cm Carbopack C
	* 1.2 cm Carbopack B
Supelco K (Vocarb3000)	* 10 cm of Carbopack B (Graphitized Carbons)
	* 6 cm of Carboxen 1000 (Carbon molecular sieves)
	* 1 cm of Carboxen 1001 (Carbon molecular sieves)

Rev. 28

* This table contains the GC columns (and volatile organic trap) used for the analysis of volatiles, semi-voaltiles, pesticides, and Aroclors by the SOM01.2 SOW.

Please see the SDG Narrative(s) for the specific fractions(s) relative to this SDG.

CompuChem

a division of Liberty Analytical Corporation

CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.).

Revision 6 (12/6/2005)

Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC chemists. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC analysis. The manual editing/integration flags are:

M - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak.

H - Denotes that the data reviewer, GC/MS operator, or GC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

MH - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.

L - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

The EPA CLP SOW documents require additional explanations for manual editing/integration. In the accompanying raw data packages, additional codes have been applied to the "M" flag and carry the following meanings;

M1 - The compound was not found by the automatic integration routine.

M2 - The compound was incorrectly integrated by the automatic integration routine.

M3 - The co-eluting compounds were incorrectly integrated by the automatic integration routine.

These codes will appear in the GC/MS and GC raw data.

DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each compound. The qualifiers used are:

U : This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J : This flag indicates an estimated value. The flag is used as detailed below:

1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1:1 is assumed for the TIC analyte,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide and/or Aroclor or other GC or HPLC identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.

N : This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search and must be used with the J flag. For generic characterization of a TIC such as "chlorinated hydrocarbon" (or for an "unknown," with no matches ≥85% in the SOM01.1 SOW), the N flag is not used.

P : In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the Form I and flagged with a P.
For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the higher of the two values is reported and flagged with a P. When the RPD is equal to or less than 40%, our policy is to also report the higher of the two values, although the choice could be a project specific issue. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

DATA REPORTING QUALIFIERS (continued)

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations (responses in the SOM01.1 SOW) exceed the upper level of the calibration range (exceed the response of the high ICAL standard in the SOM01.1 SOW) of the instrument for that specific analysis. If one or more compounds have a response greater than the upper level of the calibration range (greater than the response of the highest ICAL standard in the SOM01.1 SOW), the sample or extract will be diluted and reanalyzed. All such compounds with a response greater than the upper level of the calibration range (with responses greater than the response of the highest ICAL standard in the SOM01.1 SOW) will have the concentration (result in the SOM01.1 SOW) flagged with an E on Form I for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration (response in the SOM01.1 SOW) of an analyte exceeds the upper calibration range (exceeds the response of the highest ICAL standard in the SOM01.1 SOW), the DL suffix is appended to the sample number on the Form I for the more diluted sample, and **all** reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.

NOTE 1: The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.

NOTE 2: Separate Forms I are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses <u>are not combined</u> on a single Form I.

A: This flag indicates that a TIC is a suspected aldol-condensation product.

S: In the SOM01.1 SOW, this flag is used to indicate an estimated value for Aroclor target compounds where a valid 5-point initial calibration was not performed prior to the analytes detection in a sample. If an "S" flag is used for a specific Aroclor, then a reanalysis of the sample is required after a valid 5-point calibration is performed for the detected Aroclor.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y, and Z.

B. Form I

Organic Analysis Data Sheet (OADS)
- All samples in alphanumeric order
- Matrix Spike/Matrix Spike Duplicate
- Laboratory Control Sample(s)

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: BBG-GW01

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/25/10

Lab Sample ID: 1005187-03
Sample wt/vol: 900 (g/mL) ML
Level: (low/med) LOW

Date Received: 05/25/10
Lab File ID: 1005187-03A66
Analyst: RKM

% Moisture: _____ decanted: (Y/N)___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052635-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/10/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.033	0.22	ND	U
91-57-6	2-Methylnaphthalene	0.017	0.22	ND	U
208-96-8	Acenaphthylene	0.011	0.22	ND	U
83-32-9	Acenaphthene	0.039	0.22	ND	U
86-73-7	Fluorene	0.050	0.22	ND	U
85-01-8	Phenanthrene	0.039	0.22	ND	U
120-12-7	Anthracene	0.022	0.22	ND	U
206-44-0	Fluoranthene	0.011	0.22	ND	U
129-00-0	Pyrene	0.011	0.22	ND	U
56-55-3	Benzo(a)anthracene	0.022	0.22	ND	U
218-01-9	Chrysene	0.017	0.22	ND	U
205-99-2	Benzo(b)fluoranthene	0.011	0.22	ND	U
207-08-9	Benzo(k)fluoranthene	0.011	0.22	ND	U
50-32-8	Benzo(a)pyrene	0.011	0.22	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.011	0.22	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.011	0.22	ND	U
191-24-2	Benzo(g,h,i)perylene	0.011	0.22	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: BBG-GW02

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/27/10

Lab Sample ID: 1005187-14
Sample wt/vol: 950 (g/mL) ML
Level: (low/med) LOW

Date Received: 05/27/10
Lab File ID: 1005187-14A68
Analyst: OWS

% Moisture: _____ decanted: (Y/N) ___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052804-BLK1

Date Extracted: 05/28/10
Date Analyzed: 07/13/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.032	0.21	ND	U
91-57-6	2-Methylnaphthalene	0.016	0.21	ND	U
208-96-8	Acenaphthylene	0.011	0.21	ND	U
83-32-9	Acenaphthene	0.037	0.21	ND	U
86-73-7	Fluorene	0.047	0.21	ND	U
85-01-8	Phenanthrene	0.037	0.21	ND	U
120-12-7	Anthracene	0.021	0.21	ND	U
206-44-0	Fluoranthene	0.011	0.21	ND	U
129-00-0	Pyrene	0.011	0.21	ND	U
56-55-3	Benzo(a)anthracene	0.021	0.21	ND	U
218-01-9	Chrysene	0.016	0.21	ND	U
205-99-2	Benzo(b)fluoranthene	0.011	0.21	ND	U
207-08-9	Benzo(k)fluoranthene	0.011	0.21	ND	U
50-32-8	Benzo(a)pyrene	0.011	0.21	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.011	0.21	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.011	0.21	ND	U
191-24-2	Benzo(g,h,i)perylene	0.011	0.21	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: BBG-GW03

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/25/10

Lab Sample ID: 1005187-05
Sample wt/vol: 1000 (g/mL) ML
Level: (low/med) LOW

Date Received: 05/25/10
Lab File ID: 1005187-05A66
Analyst: RKM

% Moisture: _____ decanted: (Y/N)___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052635-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/10/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.030	0.20	ND	U
91-57-6	2-Methylnaphthalene	0.015	0.20	ND	U
208-96-8	Acenaphthylene	0.0100	0.20	0.014	J
83-32-9	Acenaphthene	0.035	0.20	ND	U
86-73-7	Fluorene	0.045	0.20	ND	U
85-01-8	Phenanthrene	0.035	0.20	ND	U
120-12-7	Anthracene	0.020	0.20	ND	U
206-44-0	Fluoranthene	0.0100	0.20	ND	U
129-00-0	Pyrene	0.0100	0.20	ND	U
56-55-3	Benzo(a)anthracene	0.020	0.20	ND	U
218-01-9	Chrysene	0.015	0.20	ND	U
205-99-2	Benzo(b)fluoranthene	0.0100	0.20	ND	U
207-08-9	Benzo(k)fluoranthene	0.0100	0.20	ND	U
50-32-8	Benzo(a)pyrene	0.0100	0.20	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.0100	0.20	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.0100	0.20	ND	U
191-24-2	Benzo(g,h,i)perylene	0.0100	0.20	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: BBG-GW03UCH

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/27/10

Lab Sample ID: 1005187-13
Sample wt/vol: 925 (g/mL) ML
Level: (low/med) LOW

Date Received: 05/27/10
Lab File ID: 1005187-13A68
Analyst: OWS

% Moisture: _____ decanted: (Y/N)___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052804-BLK1

Date Extracted: 05/28/10
Date Analyzed: 07/13/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.032	0.22	ND	U
91-57-6	2-Methylnaphthalene	0.016	0.22	ND	U
208-96-8	Acenaphthylene	0.011	0.22	ND	U
83-32-9	Acenaphthene	0.038	0.22	ND	U
86-73-7	Fluorene	0.049	0.22	ND	U
85-01-8	Phenanthrene	0.038	0.22	ND	U
120-12-7	Anthracene	0.022	0.22	ND	U
206-44-0	Fluoranthene	0.011	0.22	ND	U
129-00-0	Pyrene	0.011	0.22	ND	U
56-55-3	Benzo(a)anthracene	0.022	0.22	ND	U
218-01-9	Chrysene	0.016	0.22	ND	U
205-99-2	Benzo(b)fluoranthene	0.011	0.22	ND	U
207-08-9	Benzo(k)fluoranthene	0.011	0.22	ND	U
50-32-8	Benzo(a)pyrene	0.011	0.22	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.011	0.22	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.011	0.22	ND	U
191-24-2	Benzo(g,h,i)perylene	0.011	0.22	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: BBG-GW04

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/27/10

Lab Sample ID: 1005187-12
Sample wt/vol: 500 (g/mL) ML
Level: (low/med) LOW

Date Received: 05/27/10
Lab File ID: 1005187-12A68
Analyst: OWS

% Moisture: _____ decanted: (Y/N) ___
Concentrated Extract Volume: 500(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052804-BLK1

Date Extracted: 05/28/10
Date Analyzed: 07/13/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.030	0.20	ND	U
91-57-6	2-Methylnaphthalene	0.015	0.20	ND	U
208-96-8	Acenaphthylene	0.0100	0.20	ND	U
83-32-9	Acenaphthene	0.035	0.20	ND	U
86-73-7	Fluorene	0.045	0.20	ND	U
85-01-8	Phenanthrene	0.035	0.20	ND	U
120-12-7	Anthracene	0.020	0.20	ND	U
206-44-0	Fluoranthene	0.0100	0.20	ND	U
129-00-0	Pyrene	0.0100	0.20	ND	U
56-55-3	Benzo(a)anthracene	0.020	0.20	ND	U
218-01-9	Chrysene	0.015	0.20	ND	U
205-99-2	Benzo(b)fluoranthene	0.0100	0.20	ND	U
207-08-9	Benzo(k)fluoranthene	0.0100	0.20	ND	U
50-32-8	Benzo(a)pyrene	0.0100	0.20	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.0100	0.20	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.0100	0.20	ND	U
191-24-2	Benzo(g,h,i)perylene	0.0100	0.20	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: BBG-GW07

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/27/10

Lab Sample ID: 1005187-10
Sample wt/vol: 1000 (g/mL) ML
Level: (low/med) LOW

Date Received: 05/27/10
Lab File ID: 1005187-10A68
Analyst: OWS

% Moisture: _____ decanted: (Y/N)___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052804-BLK1

Date Extracted: 05/28/10
Date Analyzed: 07/13/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.030	0.20	ND	U
91-57-6	2-Methylnaphthalene	0.015	0.20	ND	U
208-96-8	Acenaphthylene	0.0100	0.20	ND	U
83-32-9	Acenaphthene	0.035	0.20	ND	U
86-73-7	Fluorene	0.045	0.20	ND	U
85-01-8	Phenanthrene	0.035	0.20	ND	U
120-12-7	Anthracene	0.020	0.20	ND	U
206-44-0	Fluoranthene	0.0100	0.20	ND	U
129-00-0	Pyrene	0.0100	0.20	ND	U
56-55-3	Benzo(a)anthracene	0.020	0.20	ND	U
218-01-9	Chrysene	0.015	0.20	ND	U
205-99-2	Benzo(b)fluoranthene	0.0100	0.20	ND	U
207-08-9	Benzo(k)fluoranthene	0.0100	0.20	ND	U
50-32-8	Benzo(a)pyrene	0.0100	0.20	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.0100	0.20	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.0100	0.20	ND	U
191-24-2	Benzo(g,h,i)perylene	0.0100	0.20	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: BBG-GW08

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/26/10

Lab Sample ID: 1005187-09
Sample wt/vol: 950 (g/mL) ML
Level: (low/med) LOW

Date Received: 05/26/10
Lab File ID: 1005187-09A68
Analyst: OWS

% Moisture: _____ decanted: (Y/N)___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052804-BLK1

Date Extracted: 05/28/10
Date Analyzed: 07/13/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.032	0.21	ND	U
91-57-6	2-Methylnaphthalene	0.016	0.21	ND	U
208-96-8	Acenaphthylene	0.011	0.21	ND	U
83-32-9	Acenaphthene	0.037	0.21	ND	U
86-73-7	Fluorene	0.047	0.21	ND	U
85-01-8	Phenanthrene	0.037	0.21	ND	U
120-12-7	Anthracene	0.021	0.21	ND	U
206-44-0	Fluoranthene	0.011	0.21	ND	U
129-00-0	Pyrene	0.011	0.21	ND	U
56-55-3	Benzo(a)anthracene	0.021	0.21	ND	U
218-01-9	Chrysene	0.016	0.21	ND	U
205-99-2	Benzo(b)fluoranthene	0.011	0.21	ND	U
207-08-9	Benzo(k)fluoranthene	0.011	0.21	ND	U
50-32-8	Benzo(a)pyrene	0.011	0.21	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.011	0.21	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.011	0.21	ND	U
191-24-2	Benzo(g,h,i)perylene	0.011	0.21	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: BBG-GW09

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/26/10

Lab Sample ID: 1005187-07
Sample wt/vol: 925 (g/mL) ML
Level: (low/med) LOW

Date Received: 05/26/10
Lab File ID: 1005187-07A68
Analyst: OWS

% Moisture: _____ decanted: (Y/N)___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052804-BLK1

Date Extracted: 05/28/10
Date Analyzed: 07/13/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.032	0.22	ND	U
91-57-6	2-Methylnaphthalene	0.016	0.22	ND	U
208-96-8	Acenaphthylene	0.011	0.22	ND	U
83-32-9	Acenaphthene	0.038	0.22	ND	U
86-73-7	Fluorene	0.049	0.22	ND	U
85-01-8	Phenanthrene	0.038	0.22	ND	U
120-12-7	Anthracene	0.022	0.22	ND	U
206-44-0	Fluoranthene	0.011	0.22	ND	U
129-00-0	Pyrene	0.011	0.22	ND	U
56-55-3	Benzo(a)anthracene	0.022	0.22	ND	U
218-01-9	Chrysene	0.016	0.22	ND	U
205-99-2	Benzo(b)fluoranthene	0.011	0.22	ND	U
207-08-9	Benzo(k)fluoranthene	0.011	0.22	ND	U
50-32-8	Benzo(a)pyrene	0.011	0.22	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.011	0.22	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.011	0.22	ND	U
191-24-2	Benzo(g,h,i)perylene	0.011	0.22	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: BBG-GW09D

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/26/10

Lab Sample ID: 1005187-08
Sample wt/vol: 950 (g/mL) ML
Level: (low/med) LOW

Date Received: 05/26/10
Lab File ID: 1005187-08A68
Analyst: OWS

% Moisture: _____ decanted: (Y/N) ___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052804-BLK1

Date Extracted: 05/28/10
Date Analyzed: 07/13/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.032	0.21	ND	U
91-57-6	2-Methylnaphthalene	0.016	0.21	ND	U
208-96-8	Acenaphthylene	0.011	0.21	ND	U
83-32-9	Acenaphthene	0.037	0.21	ND	U
86-73-7	Fluorene	0.047	0.21	ND	U
85-01-8	Phenanthrene	0.037	0.21	ND	U
120-12-7	Anthracene	0.021	0.21	ND	U
206-44-0	Fluoranthene	0.011	0.21	ND	U
129-00-0	Pyrene	0.011	0.21	ND	U
56-55-3	Benzo(a)anthracene	0.021	0.21	ND	U
218-01-9	Chrysene	0.016	0.21	ND	U
205-99-2	Benzo(b)fluoranthene	0.011	0.21	ND	U
207-08-9	Benzo(k)fluoranthene	0.011	0.21	ND	U
50-32-8	Benzo(a)pyrene	0.011	0.21	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.011	0.21	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.011	0.21	ND	U
191-24-2	Benzo(g,h,i)perylene	0.011	0.21	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: BBG-GW10

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/24/10

Lab Sample ID: 1005187-01
Sample wt/vol: 1000 (g/mL) ML
Level: (low/med) LOW

Date Received: 05/24/10
Lab File ID: 1005187-01A66
Analyst: RKM

% Moisture: _____ decanted: (Y/N) ___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052635-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/10/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.030	0.20	ND	U
91-57-6	2-Methylnaphthalene	0.015	0.20	ND	U
208-96-8	Acenaphthylene	0.0100	0.20	ND	U
83-32-9	Acenaphthene	0.035	0.20	ND	U
86-73-7	Fluorene	0.045	0.20	ND	U
85-01-8	Phenanthrene	0.035	0.20	ND	U
120-12-7	Anthracene	0.020	0.20	ND	U
206-44-0	Fluoranthene	0.0100	0.20	ND	U
129-00-0	Pyrene	0.0100	0.20	ND	U
56-55-3	Benzo(a)anthracene	0.020	0.20	ND	U
218-01-9	Chrysene	0.015	0.20	ND	U
205-99-2	Benzo(b)fluoranthene	0.0100	0.20	ND	U
207-08-9	Benzo(k)fluoranthene	0.0100	0.20	ND	U
50-32-8	Benzo(a)pyrene	0.0100	0.20	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.0100	0.20	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.0100	0.20	ND	U
191-24-2	Benzo(g,h,i)perylene	0.0100	0.20	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: EB1-052510

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/25/10

Lab Sample ID: 1005187-04
Sample wt/vol: 975 (g/mL) ML
Level: (low/med) LOW

Date Received: 05/25/10
Lab File ID: 1005187-04A66
Analyst: RKM

% Moisture: _____ decanted: (Y/N)___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052635-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/10/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.031	0.21	0.13	J
91-57-6	2-Methylnaphthalene	0.015	0.21	0.017	J
208-96-8	Acenaphthylene	0.010	0.21	ND	U
83-32-9	Acenaphthene	0.036	0.21	ND	U
86-73-7	Fluorene	0.046	0.21	ND	U
85-01-8	Phenanthrene	0.036	0.21	ND	U
120-12-7	Anthracene	0.021	0.21	ND	U
206-44-0	Fluoranthene	0.010	0.21	ND	U
129-00-0	Pyrene	0.010	0.21	ND	U
56-55-3	Benzo(a)anthracene	0.021	0.21	ND	U
218-01-9	Chrysene	0.015	0.21	ND	U
205-99-2	Benzo(b)fluoranthene	0.010	0.21	ND	U
207-08-9	Benzo(k)fluoranthene	0.010	0.21	ND	U
50-32-8	Benzo(a)pyrene	0.010	0.21	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.010	0.21	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.010	0.21	ND	U
191-24-2	Benzo(g,h,i)perylene	0.010	0.21	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: EB1-052710

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/27/10

Lab Sample ID: 1005187-11
Sample wt/vol: 1000 (g/mL) ML
Level: (low/med) LOW

Date Received: 05/27/10
Lab File ID: 1005187-11A68
Analyst: OWS

% Moisture: _____ decanted: (Y/N)___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052804-BLK1

Date Extracted: 05/28/10
Date Analyzed: 07/13/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.030	0.20	0.19	J
91-57-6	2-Methylnaphthalene	0.015	0.20	0.028	J
208-96-8	Acenaphthylene	0.0100	0.20	ND	U
83-32-9	Acenaphthene	0.035	0.20	ND	U
86-73-7	Fluorene	0.045	0.20	ND	U
85-01-8	Phenanthrene	0.035	0.20	ND	U
120-12-7	Anthracene	0.020	0.20	ND	U
206-44-0	Fluoranthene	0.0100	0.20	ND	U
129-00-0	Pyrene	0.0100	0.20	ND	U
56-55-3	Benzo(a)anthracene	0.020	0.20	ND	U
218-01-9	Chrysene	0.015	0.20	ND	U
205-99-2	Benzo(b)fluoranthene	0.0100	0.20	ND	U
207-08-9	Benzo(k)fluoranthene	0.0100	0.20	ND	U
50-32-8	Benzo(a)pyrene	0.0100	0.20	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.0100	0.20	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.0100	0.20	ND	U
191-24-2	Benzo(g,h,i)perylene	0.0100	0.20	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: EB2-052510

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/25/10

Lab Sample ID: 1005187-06
Sample wt/vol: 1000 (g/mL) ML
Level: (low/med) LOW

Date Received: 05/25/10
Lab File ID: 1005187-06A66
Analyst: RKM

% Moisture: _____ decanted: (Y/N)___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052635-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/10/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.030	0.20	0.099	J
91-57-6	2-Methylnaphthalene	0.015	0.20	ND	U
208-96-8	Acenaphthylene	0.0100	0.20	ND	U
83-32-9	Acenaphthene	0.035	0.20	ND	U
86-73-7	Fluorene	0.045	0.20	ND	U
85-01-8	Phenanthrene	0.035	0.20	ND	U
120-12-7	Anthracene	0.020	0.20	ND	U
206-44-0	Fluoranthene	0.0100	0.20	ND	U
129-00-0	Pyrene	0.0100	0.20	ND	U
56-55-3	Benzo(a)anthracene	0.020	0.20	ND	U
218-01-9	Chrysene	0.015	0.20	ND	U
205-99-2	Benzo(b)fluoranthene	0.0100	0.20	ND	U
207-08-9	Benzo(k)fluoranthene	0.0100	0.20	ND	U
50-32-8	Benzo(a)pyrene	0.0100	0.20	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.0100	0.20	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.0100	0.20	ND	U
191-24-2	Benzo(g,h,i)perylene	0.0100	0.20	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: EB2-052710

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/27/10

Lab Sample ID: 1005187-15
Sample wt/vol: 975 (g/mL) ML
Level: (low/med) LOW

Date Received: 05/27/10
Lab File ID: 1005187-15A68
Analyst: OWS

% Moisture: _____ decanted: (Y/N)___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052804-BLK1

Date Extracted: 05/28/10
Date Analyzed: 07/14/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.031	0.21	0.25	
91-57-6	2-Methylnaphthalene	0.015	0.21	0.047	J
208-96-8	Acenaphthylene	0.010	0.21	ND	U
83-32-9	Acenaphthene	0.036	0.21	ND	U
86-73-7	Fluorene	0.046	0.21	ND	U
85-01-8	Phenanthrene	0.036	0.21	ND	U
120-12-7	Anthracene	0.021	0.21	ND	U
206-44-0	Fluoranthene	0.010	0.21	0.011	J
129-00-0	Pyrene	0.010	0.21	0.012	J
56-55-3	Benzo(a)anthracene	0.021	0.21	ND	U
218-01-9	Chrysene	0.015	0.21	ND	U
205-99-2	Benzo(b)fluoranthene	0.010	0.21	ND	U
207-08-9	Benzo(k)fluoranthene	0.010	0.21	ND	U
50-32-8	Benzo(a)pyrene	0.010	0.21	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.010	0.21	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.010	0.21	ND	U
191-24-2	Benzo(g,h,i)perylene	0.010	0.21	ND	U

ND = Not Detected
Q = Qualifier

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: EB3-052710

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/27/10

Lab Sample ID: 1005187-16
Sample wt/vol: 900 (g/mL) ML
Level: (low/med) LOW

Date Received: 05/27/10
Lab File ID: 1005187-16A68
Analyst: OWS

% Moisture: _____ decanted: (Y/N)___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052804-BLK1

Date Extracted: 05/28/10
Date Analyzed: 07/14/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.033	0.22	0.20	J
91-57-6	2-Methylnaphthalene	0.017	0.22	0.065	J
208-96-8	Acenaphthylene	0.011	0.22	0.014	J
83-32-9	Acenaphthene	0.039	0.22	ND	U
86-73-7	Fluorene	0.050	0.22	0.055	J
85-01-8	Phenanthrene	0.039	0.22	0.049	J
120-12-7	Anthracene	0.022	0.22	0.037	J
206-44-0	Fluoranthene	0.011	0.22	ND	U
129-00-0	Pyrene	0.011	0.22	ND	U
56-55-3	Benzo(a)anthracene	0.022	0.22	ND	U
218-01-9	Chrysene	0.017	0.22	ND	U
205-99-2	Benzo(b)fluoranthene	0.011	0.22	ND	U
207-08-9	Benzo(k)fluoranthene	0.011	0.22	ND	U
50-32-8	Benzo(a)pyrene	0.011	0.22	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.011	0.22	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.011	0.22	ND	U
191-24-2	Benzo(g,h,i)perylene	0.011	0.22	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: FB-052510

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/25/10

Lab Sample ID: 1005187-02
Sample wt/vol: 1000 (g/mL) ML
Level: (low/med) LOW

Date Received: 05/25/10
Lab File ID: 1005187-02A66
Analyst: RKM

% Moisture: _____ decanted: (Y/N) ___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052635-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/10/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.030	0.20	0.12	J
91-57-6	2-Methylnaphthalene	0.015	0.20	0.017	J
208-96-8	Acenaphthylene	0.0100	0.20	ND	U
83-32-9	Acenaphthene	0.035	0.20	ND	U
86-73-7	Fluorene	0.045	0.20	ND	U
85-01-8	Phenanthrene	0.035	0.20	ND	U
120-12-7	Anthracene	0.020	0.20	ND	U
206-44-0	Fluoranthene	0.0100	0.20	ND	U
129-00-0	Pyrene	0.0100	0.20	ND	U
56-55-3	Benzo(a)anthracene	0.020	0.20	ND	U
218-01-9	Chrysene	0.015	0.20	ND	U
205-99-2	Benzo(b)fluoranthene	0.0100	0.20	ND	U
207-08-9	Benzo(k)fluoranthene	0.0100	0.20	ND	U
50-32-8	Benzo(a)pyrene	0.0100	0.20	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.0100	0.20	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.0100	0.20	ND	U
191-24-2	Benzo(g,h,i)perylene	0.0100	0.20	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: BBG-GW02MS

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/27/10

Lab Sample ID: 0052804-MS1
Sample wt/vol: 1000 (g/mL) ML
Level: (low/med) LOW

Date Received: 05/27/10
Lab File ID: 0052804-MS1A68
Analyst: OWS

% Moisture: _____ decanted: (Y/N)___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052804-BLK1

Date Extracted: 05/28/10
Date Analyzed: 07/13/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.030	0.20	0.29	
91-57-6	2-Methylnaphthalene	0.015	0.20	0.29	
208-96-8	Acenaphthylene	0.0100	0.20	0.28	
83-32-9	Acenaphthene	0.035	0.20	0.29	
86-73-7	Fluorene	0.045	0.20	0.31	
85-01-8	Phenanthrene	0.035	0.20	0.34	
120-12-7	Anthracene	0.020	0.20	0.31	
206-44-0	Fluoranthene	0.0100	0.20	0.39	
129-00-0	Pyrene	0.0100	0.20	0.36	
56-55-3	Benzo(a)anthracene	0.020	0.20	0.37	
218-01-9	Chrysene	0.015	0.20	0.37	
205-99-2	Benzo(b)fluoranthene	0.0100	0.20	0.37	
207-08-9	Benzo(k)fluoranthene	0.0100	0.20	0.39	
50-32-8	Benzo(a)pyrene	0.0100	0.20	0.31	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0100	0.20	0.25	
53-70-3	Dibenzo(a,h)anthracene	0.0100	0.20	0.25	
191-24-2	Benzo(g,h,i)perylene	0.0100	0.20	0.29	

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: BBG-GW02MSD

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/27/10

Lab Sample ID: 0052804-MSD1
Sample wt/vol: 1000 (g/mL) ML
Level: (low/med) LOW

Date Received: 05/27/10
Lab File ID: 0052804-MSD1A68
Analyst: OWS

% Moisture: _____ decanted: (Y/N) ___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052804-BLK1

Date Extracted: 05/28/10
Date Analyzed: 07/13/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.030	0.20	0.35	
91-57-6	2-Methylnaphthalene	0.015	0.20	0.35	
208-96-8	Acenaphthylene	0.0100	0.20	0.34	
83-32-9	Acenaphthene	0.035	0.20	0.35	
86-73-7	Fluorene	0.045	0.20	0.36	
85-01-8	Phenanthrene	0.035	0.20	0.39	
120-12-7	Anthracene	0.020	0.20	0.36	
206-44-0	Fluoranthene	0.0100	0.20	0.43	
129-00-0	Pyrene	0.0100	0.20	0.34	
56-55-3	Benzo(a)anthracene	0.020	0.20	0.40	
218-01-9	Chrysene	0.015	0.20	0.41	
205-99-2	Benzo(b)fluoranthene	0.0100	0.20	0.41	
207-08-9	Benzo(k)fluoranthene	0.0100	0.20	0.42	
50-32-8	Benzo(a)pyrene	0.0100	0.20	0.36	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0100	0.20	0.28	
53-70-3	Dibenzo(a,h)anthracene	0.0100	0.20	0.31	
191-24-2	Benzo(g,h,i)perylene	0.0100	0.20	0.34	

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: SCYLCS

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0052635-BS1
Sample wt/vol: 1000 (g/mL) ML
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0052635-BS1A66
Analyst: RKM

% Moisture: _____ decanted: (Y/N) ___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052635-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/10/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.030	0.20	0.42	
91-57-6	2-Methylnaphthalene	0.015	0.20	0.40	
208-96-8	Acenaphthylene	0.0100	0.20	0.41	
83-32-9	Acenaphthene	0.035	0.20	0.42	
86-73-7	Fluorene	0.045	0.20	0.42	
85-01-8	Phenanthrene	0.035	0.20	0.47	
120-12-7	Anthracene	0.020	0.20	0.48	
206-44-0	Fluoranthene	0.0100	0.20	0.45	
129-00-0	Pyrene	0.0100	0.20	0.61	
56-55-3	Benzo(a)anthracene	0.020	0.20	0.54	
218-01-9	Chrysene	0.015	0.20	0.55	
205-99-2	Benzo(b)fluoranthene	0.0100	0.20	0.57	
207-08-9	Benzo(k)fluoranthene	0.0100	0.20	0.60	
50-32-8	Benzo(a)pyrene	0.0100	0.20	0.53	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0100	0.20	0.38	
53-70-3	Dibenzo(a,h)anthracene	0.0100	0.20	0.40	
191-24-2	Benzo(g,h,i)perylene	0.0100	0.20	0.37	

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: SCYLCSD

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0052635-BSD1
Sample wt/vol: 1000 (g/mL) ML
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0052635-BSD1JA66
Analyst: MEW

% Moisture: _____ decanted: (Y/N) ___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052635-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/12/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.030	0.20	0.38	
91-57-6	2-Methylnaphthalene	0.015	0.20	0.38	
208-96-8	Acenaphthylene	0.0100	0.20	0.37	
83-32-9	Acenaphthene	0.035	0.20	0.39	
86-73-7	Fluorene	0.045	0.20	0.38	
85-01-8	Phenanthrene	0.035	0.20	0.44	
120-12-7	Anthracene	0.020	0.20	0.43	
206-44-0	Fluoranthene	0.0100	0.20	0.43	
129-00-0	Pyrene	0.0100	0.20	0.45	
56-55-3	Benzo(a)anthracene	0.020	0.20	0.46	
218-01-9	Chrysene	0.015	0.20	0.50	
205-99-2	Benzo(b)fluoranthene	0.0100	0.20	0.45	
207-08-9	Benzo(k)fluoranthene	0.0100	0.20	0.46	
50-32-8	Benzo(a)pyrene	0.0100	0.20	0.46	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0100	0.20	0.45	
53-70-3	Dibenzo(a,h)anthracene	0.0100	0.20	0.48	
191-24-2	Benzo(g,h,i)perylene	0.0100	0.20	0.48	

ND = Not Detected
Q = Qualifier

FORM I SV-1

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: SDOLCS

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0052804-BS1
Sample wt/vol: 1000 (g/mL) ML
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0052804-BS1A68
Analyst: OWS

% Moisture: _____ decanted: (Y/N) ___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052804-BLK1

Date Extracted: 05/28/10
Date Analyzed: 07/13/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.030	0.20	0.36	
91-57-6	2-Methylnaphthalene	0.015	0.20	0.37	
208-96-8	Acenaphthylene	0.0100	0.20	0.33	
83-32-9	Acenaphthene	0.035	0.20	0.35	
86-73-7	Fluorene	0.045	0.20	0.35	
85-01-8	Phenanthrene	0.035	0.20	0.37	
120-12-7	Anthracene	0.020	0.20	0.34	
206-44-0	Fluoranthene	0.0100	0.20	0.39	
129-00-0	Pyrene	0.0100	0.20	0.39	
56-55-3	Benzo(a)anthracene	0.020	0.20	0.37	
218-01-9	Chrysene	0.015	0.20	0.39	
205-99-2	Benzo(b)fluoranthene	0.0100	0.20	0.34	
207-08-9	Benzo(k)fluoranthene	0.0100	0.20	0.36	
50-32-8	Benzo(a)pyrene	0.0100	0.20	0.33	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0100	0.20	0.25	
53-70-3	Dibenzo(a,h)anthracene	0.0100	0.20	0.26	
191-24-2	Benzo(g,h,i)perylene	0.0100	0.20	0.32	

ND = Not Detected
Q = Qualifier

FORM I SV-1

C. Form II

Surrogate spike analysis

- By level (low, medium) -

FORM 2
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

	CLIENT SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	SBLKCY	84	82	125						0
02	SCYLCS	77	75	132						0
03	BBG-GW10	59	58	101						0
04	FB-052510	65	62	118						0
05	BBG-GW01	70	62	125						0
06	EB1-052510	63	62	133						0
07	BBG-GW03	67	66	115						0
08	EB2-052510	74	58	127						0
09	SCYLCSD	71	72	94						0
10	SBLKDO	72	78	97						0
11	SDOLCS	74	73	86						0
12	BBG-GW02	74	72	86						0
13	BBG-GW02MS	64	61	77						0
14	BBG-GW02MSD	76	73	73						0
15	BBG-GW09	68	66	84						0
16	BBG-GW09D	68	65	82						0
17	BBG-GW08	67	64	85						0
18	BBG-GW07	58	58	78						0
19	EB1-052710	67	64	92						0
20	BBG-GW04	60	59	65						0
21	BBG-GW03UCH	66	67	82						0
22	EB2-052710	85	84	113						0
23	EB3-052710	65	68	88						0
24										
25										
26										
27										
28										

	QC LIMITS
S1 (NBZ) = Nitrobenzene-d5	(40-110)
S2 (FBP) = 2-Fluorobiphenyl	(50-110)
S3 (TPH) = Terphenyl-d14	(50-135)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

D. Form III

Matrix Spike/Matrix Spike Duplicate results
- By level (low, medium) -
Laboratory Control Sample(s)

FORM 3
WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix Spike - Sample No.: BBG-GW02

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Naphthalene	0.5	0	0.2869	57	40-110
2-Methylnaphthalene	0.5	0	0.2925	59	45-105
Acenaphthylene	0.5	0	0.2833	57	50-105
Acenaphthene	0.5	0	0.2917	58	45-110
Fluorene	0.5	0	0.3072	61	50-110
Phenanthrene	0.5	0	0.3435	69	50-115
Anthracene	0.5	0	0.312	62	55-110
Fluoranthene	0.5	0	0.3927	79	55-115
Pyrene	0.5	0	0.3579	72	50-130
Benzo(a)anthracene	0.5	0	0.3686	74	45-120
Chrysene	0.5	0	0.3737	75	55-110
Benzo(b)fluoranthene	0.5	0	0.367	73	45-120
Benzo(k)fluoranthene	0.5	0	0.3937	79	45-125
Benzo(a)pyrene	0.5	0	0.3142	63	55-110
Indeno(1,2,3-cd)pyrene	0.5	0	0.2469	49	45-125
Dibenzo(a,h)anthracene	0.5	0	0.2513	50	40-125
Benzo(g,h,i)perylene	0.5	0	0.2924	58	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix Spike - Sample No.: BBG-GW02

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Naphthalene	0.5	0.348	70	19	30	40-110
2-Methylnaphthalene	0.5	0.353	71	19	30	45-105
Acenaphthylene	0.5	0.3449	69	20	30	50-105
Acenaphthene	0.5	0.3506	70	18	30	45-110
Fluorene	0.5	0.3648	73	17	30	50-110
Phenanthrene	0.5	0.3903	78	13	30	50-115
Anthracene	0.5	0.3563	71	13	30	55-110
Fluoranthene	0.5	0.433	87	10	30	55-115
Pyrene	0.5	0.3352	67	6	30	50-130
Benzo(a)anthracene	0.5	0.3951	79	7	30	45-120
Chrysene	0.5	0.4069	81	8	30	55-110
Benzo(b)fluoranthene	0.5	0.4071	81	10	30	45-120
Benzo(k)fluoranthene	0.5	0.4237	85	7	30	45-125
Benzo(a)pyrene	0.5	0.3587	72	13	30	55-110
Indeno(1,2,3-cd)pyrene	0.5	0.2785	56	12	30	45-125
Dibenzo(a,h)anthracene	0.5	0.305	61	19	30	40-125
Benzo(g,h,i)perylene	0.5	0.3385	68	15	30	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 17 outside limits
Spike Recovery: 0 out of 34 outside limits

COMMENTS: _____

3C
WATER SEMIVOLATILE LAB CONTROL SAMPLE

SCYLCS

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix Spike - EPA Sample No.: SCYLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Naphthalene	0.5		0.4154	83	40-110
2-Methylnaphthalene	0.5		0.4049	81	45-105
Acenaphthylene	0.5		0.4056	81	50-105
Acenaphthene	0.5		0.4193	84	45-110
Fluorene	0.5		0.415	83	50-110
Phenanthrene	0.5		0.4682	94	50-115
Anthracene	0.5		0.4832	97	55-110
Fluoranthene	0.5		0.4475	90	55-115
Pyrene	0.5		0.6117	122	50-130
Benzo(a)anthracene	0.5		0.5415	108	45-120
Chrysene	0.5		0.5484	110	55-110
Benzo(b)fluoranthene	0.5		0.5702	114	45-120
Benzo(k)fluoranthene	0.5		0.604	121	45-125
Benzo(a)pyrene	0.5		0.535	107	55-110
Indeno(1,2,3-cd)pyrene	0.5		0.3768	75	45-125
Dibenzo(a,h)anthracene	0.5		0.4017	80	40-125
Benzo(g,h,i)perylene	0.5		0.3679	74	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

3C
WATER SEMIVOLATILE LAB CONTROL SAMPLE

SCYLCS

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix Spike - EPA Sample No.: SCYLCS

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Naphthalene	0.5	0.3823	76	9	30	40-105
2-Methylnaphthalene	0.5	0.38	76	6	30	45-105
Acenaphthylene	0.5	0.3672	73	10	30	50-105
Acenaphthene	0.5	0.3875	78	7	30	45-110
Fluorene	0.5	0.3792	76	9	30	50-110
Phenanthrene	0.5	0.4357	87	8	30	50-110
Anthracene	0.5	0.4312	86	12	30	55-105
Fluoranthene	0.5	0.4339	87	3	30	55-115
Pyrene	0.5	0.4528	91	29	30	45-125
Benzo(a)anthracene	0.5	0.4632	93	15	30	50-110
Chrysene	0.5	0.4967	99	11	30	55-110
Benzo(b)fluoranthene	0.5	0.4484	90	24	30	45-115
Benzo(k)fluoranthene	0.5	0.4641	93	26	30	45-125
Benzo(a)pyrene	0.5	0.4643	93	14	30	50-110
Indeno(1,2,3-cd)pyrene	0.5	0.449	90	18	30	40-125
Dibenzo(a,h)anthracene	0.5	0.4836	97	19	30	40-125
Benzo(g,h,i)perylene	0.5	0.4794	96	26	30	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 17 outside limits
Spike Recovery: 0 out of 34 outside limits

COMMENTS: _____

3C
WATER SEMIVOLATILE LAB CONTROL SAMPLE

SDOLCS

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Naphthalene	0.5	0.3606	72	40-110
2-Methylnaphthalene	0.5	0.3723	74	45-105
Acenaphthylene	0.5	0.331	66	50-105
Acenaphthene	0.5	0.3468	69	45-110
Fluorene	0.5	0.3481	70	50-110
Phenanthrene	0.5	0.3711	74	50-115
Anthracene	0.5	0.3388	68	55-110
Fluoranthene	0.5	0.3914	78	55-115
Pyrene	0.5	0.3894	78	50-130
Benzo(a)anthracene	0.5	0.3678	74	45-120
Chrysene	0.5	0.3877	78	55-110
Benzo(b)fluoranthene	0.5	0.3427	69	45-120
Benzo(k)fluoranthene	0.5	0.3625	73	45-125
Benzo(a)pyrene	0.5	0.3287	66	55-110
Indeno(1,2,3-cd)pyrene	0.5	0.2544	51	45-125
Dibenzo(a,h)anthracene	0.5	0.2555	51	40-125
Benzo(g,h,i)perylene	0.5	0.3179	64	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

Spike Recovery: 0 out of 17 outside limits

COMMENTS: _____

E. Form IV

Method Blank Results
Form IV and Form I

Method blank summary, OADS
- In chronological order of analysis

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

SBLKCY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab File ID: 0052635-BLK1A66 Lab Sample ID: 0052635-BLK1

Instrument ID: 5972HP66 Date Extracted: 05/26/10

Matrix: (soil/water) WATER Date Analyzed: 07/10/10

Level:(low/med) LOW Time Analyzed: 0918

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SCYLCS	0052635-BS1	0052635-BS1A	07/10/10
02	BBG-GW10	1005187-01	1005187-01A6	07/10/10
03	FB-052510	1005187-02	1005187-02A6	07/10/10
04	BBG-GW01	1005187-03	1005187-03A6	07/10/10
05	EB1-052510	1005187-04	1005187-04A6	07/10/10
06	BBG-GW03	1005187-05	1005187-05A6	07/10/10
07	EB2-052510	1005187-06	1005187-06A6	07/10/10
08	SCYLCSD	0052635-BSD1	0052635-BSD1	07/12/10
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COMMENTS:

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: SBLKCY

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0052635-BLK1
Sample wt/vol: 1000 (g/mL) ML
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0052635-BLK1A66
Analyst: RKM

% Moisture: _____ decanted: (Y/N) ___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052635-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/10/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.030	0.20	ND	U
91-57-6	2-Methylnaphthalene	0.015	0.20	ND	U
208-96-8	Acenaphthylene	0.0100	0.20	ND	U
83-32-9	Acenaphthene	0.035	0.20	ND	U
86-73-7	Fluorene	0.045	0.20	ND	U
85-01-8	Phenanthrene	0.035	0.20	ND	U
120-12-7	Anthracene	0.020	0.20	ND	U
206-44-0	Fluoranthene	0.0100	0.20	ND	U
129-00-0	Pyrene	0.0100	0.20	ND	U
56-55-3	Benzo(a)anthracene	0.020	0.20	ND	U
218-01-9	Chrysene	0.015	0.20	ND	U
205-99-2	Benzo(b)fluoranthene	0.0100	0.20	ND	U
207-08-9	Benzo(k)fluoranthene	0.0100	0.20	ND	U
50-32-8	Benzo(a)pyrene	0.0100	0.20	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.0100	0.20	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.0100	0.20	ND	U
191-24-2	Benzo(g,h,i)perylene	0.0100	0.20	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

SBLKDO

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab File ID: 0052804-BLK1A68 Lab Sample ID: 0052804-BLK1

Instrument ID: 5973HP68 Date Extracted: 05/28/10

Matrix: (soil/water) WATER Date Analyzed: 07/13/10

Level:(low/med) LOW Time Analyzed: 1413

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SDOLCS	0052804-BS1	0052804-BS1A	07/13/10
02	BBG-GW02	1005187-14	1005187-14A6	07/13/10
03	BBG-GW02MS	0052804-MS1	0052804-MS1A	07/13/10
04	BBG-GW02MSD	0052804-MSD1	0052804-MSD1	07/13/10
05	BBG-GW09	1005187-07	1005187-07A6	07/13/10
06	BBG-GW09D	1005187-08	1005187-08A6	07/13/10
07	BBG-GW08	1005187-09	1005187-09A6	07/13/10
08	BBG-GW07	1005187-10	1005187-10A6	07/13/10
09	EB1-052710	1005187-11	1005187-11A6	07/13/10
10	BBG-GW04	1005187-12	1005187-12A6	07/13/10
11	BBG-GW03UCH	1005187-13	1005187-13A6	07/13/10
12	EB2-052710	1005187-15	1005187-15A6	07/14/10
13	EB3-052710	1005187-16	1005187-16A6	07/14/10
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COMMENTS:

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: SBLKDO

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0052804-BLK1
Sample wt/vol: 1000 (g/mL) ML
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0052804-BLK1A68
Analyst: OWS

% Moisture: _____ decanted: (Y/N) ___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052804-BLK1

Date Extracted: 05/28/10
Date Analyzed: 07/13/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.030	0.20	ND	U
91-57-6	2-Methylnaphthalene	0.015	0.20	ND	U
208-96-8	Acenaphthylene	0.0100	0.20	ND	U
83-32-9	Acenaphthene	0.035	0.20	ND	U
86-73-7	Fluorene	0.045	0.20	ND	U
85-01-8	Phenanthrene	0.035	0.20	ND	U
120-12-7	Anthracene	0.020	0.20	ND	U
206-44-0	Fluoranthene	0.0100	0.20	ND	U
129-00-0	Pyrene	0.0100	0.20	ND	U
56-55-3	Benzo(a)anthracene	0.020	0.20	ND	U
218-01-9	Chrysene	0.015	0.20	ND	U
205-99-2	Benzo(b)fluoranthene	0.0100	0.20	ND	U
207-08-9	Benzo(k)fluoranthene	0.0100	0.20	ND	U
50-32-8	Benzo(a)pyrene	0.0100	0.20	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.0100	0.20	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.0100	0.20	ND	U
191-24-2	Benzo(g,h,i)perylene	0.0100	0.20	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

F. Form VIII

Internal standard area and retention time data

(VOA and SV only)

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab File ID (Standard): 0G10004-CCV1A66 Date Analyzed: 07/10/10

Instrument ID: 5972HP66 Time Analyzed: 0834

		IS1(CRY) AREA #	RT #	IS2(PRY) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	58816	18.70	31263	21.30	76954	5.10
	UPPER LIMIT	117632	19.20	62526	21.80	153908	5.60
	LOWER LIMIT	29408	18.20	15631	20.80	38477	4.60
	CLIENT SAMPLE NO.						
01	SBLKCY	65425	18.70	36125	21.31	79421	5.11
02	SCYLCS	54201	18.70	28876	21.31	83027	5.10
03	BBG-GW10	54785	18.70	26919	21.31	83041	5.11
04	FB-052510	48537	18.70	26227	21.31	83870	5.11
05	BBG-GW01	49529	18.70	26242	21.31	86715	5.11
06	EB1-052510	44359	18.70	22747	21.30	87766	5.11
07	BBG-GW03	57012	18.70	25751	21.31	87669	5.10
08	EB2-052510	40537	18.70	23508	21.31	83051	5.11
09							
10							
11							
12							
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15							
16							
17							
18							
19							
20							

IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab File ID (Standard): 0G10004-CCV1A66 Date Analyzed: 07/10/10

Instrument ID: 5972HP66 Time Analyzed: 0834

		IS4(NPT) AREA #	RT #	IS5(ANT) AREA #	RT #	IS6(PHN) AREA #	RT #
	12 HOUR STD	207048	7.27	100908	10.64	152423	13.49
	UPPER LIMIT	414096	7.77	201816	11.14	304846	13.99
	LOWER LIMIT	103524	6.77	50454	10.14	76211	12.99
	CLIENT SAMPLE NO.						
01	SBLKCY	209258	7.27	104281	10.64	147497	13.50
02	SCYLCS	221335	7.27	109076	10.64	154999	13.50
03	BBG-GW10	218926	7.27	103082	10.64	143341	13.50
04	FB-052510	216072	7.27	104992	10.64	137676	13.50
05	BBG-GW01	216187	7.27	104567	10.64	142476	13.50
06	EB1-052510	224555	7.27	107034	10.64	136778	13.50
07	BBG-GW03	226953	7.27	110891	10.64	144137	13.50
08	EB2-052510	214891	7.27	101267	10.64	124750	13.50
09							
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11							
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18							
19							
20							

IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab File ID (Standard): 0G12001-CCV2A66 Date Analyzed: 07/12/10

Instrument ID: 5972HP66 Time Analyzed: 1204

		IS1(CRY) AREA #	RT #	IS2(PRY) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	77068	18.66	67390	21.26	87628	5.07
	UPPER LIMIT	154136	19.16	134780	21.76	175256	5.57
	LOWER LIMIT	38534	18.16	33695	20.76	43814	4.57
	CLIENT SAMPLE NO.						
01	SCYLCSD	77625	18.66	69689	21.26	93262	5.07
02							
03							
04							
05							
06							
07							
08							
09							
10							
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12							
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16							
17							
18							
19							
20							

IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab File ID (Standard): 0G12001-CCV2A66 Date Analyzed: 07/12/10

Instrument ID: 5972HP66 Time Analyzed: 1204

		IS4(NPT)		IS5(ANT)		IS6(PHN)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	233865	7.23	113954	10.61	164293	13.46
	UPPER LIMIT	467730	7.73	227908	11.11	328586	13.96
	LOWER LIMIT	116933	6.73	56977	10.11	82147	12.96
	CLIENT SAMPLE NO.						
01	SCYLCSD	252562	7.24	118478	10.61	165303	13.46
02							
03							
04							
05							
06							
07							
08							
09							
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11							
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16							
17							
18							
19							
20							

IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab File ID (Standard): 0G13005-CCV1A68 Date Analyzed: 07/13/10

Instrument ID: 5973HP68 Time Analyzed: 1115

		IS1(CRY) AREA #	RT #	IS2(PRY) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	384991	24.45	273994	27.56	214449	7.91
	UPPER LIMIT	769982	24.95	547988	28.06	428898	8.41
	LOWER LIMIT	192495	23.95	136997	27.06	107225	7.41
	CLIENT SAMPLE NO.						
01	SBLKDO	316476	24.44	240910	27.56	236175	7.91
02	SDOLCS	363672	24.44	276163	27.56	242788	7.91
03	BBG-GW02	378356	24.45	244268	27.56	248341	7.91
04	BBG-GW02MS	403029	24.44	286047	27.56	240352	7.91
05	BBG-GW02MSD	465441	24.44	295134	27.56	233431	7.91
06	BBG-GW09	405850	24.44	306016	27.56	263532	7.91
07	BBG-GW09D	367659	24.44	251064	27.56	249611	7.91
08	BBG-GW08	359483	24.44	250865	27.56	250937	7.91
09	BBG-GW07	367382	24.44	233661	27.56	245633	7.91
10	EB1-052710	353001	24.44	234399	27.56	247453	7.91
11	BBG-GW04	376737	24.44	277974	27.56	254397	7.91
12	BBG-GW03UCH	457273	24.44	340209	27.56	292394	7.91
13							
14							
15							
16							
17							
18							
19							
20							

IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab File ID (Standard): 0G13005-CCV1A68 Date Analyzed: 07/13/10

Instrument ID: 5973HP68 Time Analyzed: 1115

		IS4(NPT) AREA #	RT #	IS5(ANT) AREA #	RT #	IS6(PHN) AREA #	RT #
	12 HOUR STD	726253	10.73	353296	14.81	552474	18.21
	UPPER LIMIT	1452506	11.23	706592	15.31	1104948	18.71
	LOWER LIMIT	363127	10.23	176648	14.31	276237	17.71
	CLIENT SAMPLE NO.						
01	SBLKDO	792271	10.73	373916	14.81	566892	18.21
02	SDOLCS	809920	10.73	390197	14.81	592015	18.21
03	BBG-GW02	834553	10.73	398580	14.81	607876	18.21
04	BBG-GW02MS	806240	10.73	387312	14.81	598848	18.21
05	BBG-GW02MSD	791930	10.73	380722	14.81	589820	18.21
06	BBG-GW09	884334	10.73	420959	14.81	656348	18.21
07	BBG-GW09D	835634	10.73	397672	14.81	602413	18.21
08	BBG-GW08	837603	10.73	401441	14.81	610431	18.21
09	BBG-GW07	823654	10.73	389409	14.81	580839	18.21
10	EB1-052710	835838	10.73	396408	14.81	612399	18.21
11	BBG-GW04	848066	10.73	400640	14.81	613889	18.21
12	BBG-GW03UCH	967853	10.73	463681	14.81	705829	18.21
13							
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16							
17							
18							
19							
20							

IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab File ID (Standard): 0G14007-CCV1A68 Date Analyzed: 07/14/10

Instrument ID: 5973HP68 Time Analyzed: 1103

		IS1(CRY) AREA #	IS1(CRY) RT #	IS2(PRY) AREA #	IS2(PRY) RT #	IS3(DCB) AREA #	IS3(DCB) RT #
	12 HOUR STD	459613	24.44	301669	27.56	260490	7.91
	UPPER LIMIT	919226	24.94	603338	28.06	520980	8.41
	LOWER LIMIT	229807	23.94	150835	27.06	130245	7.41
	CLIENT SAMPLE NO.						
01	EB2-052710	293887	24.44	185026	27.56	233570	7.91
02	EB3-052710	364252	24.44	236175	27.56	252306	7.91
03							
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20							

IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab File ID (Standard): 0G14007-CCV1A68 Date Analyzed: 07/14/10

Instrument ID: 5973HP68 Time Analyzed: 1103

		IS4(NPT)		IS5(ANT)		IS6(PHN)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	875416	10.73	416909	14.81	639999	18.21
	UPPER LIMIT	1750832	11.23	833818	15.31	1279998	18.71
	LOWER LIMIT	437708	10.23	208455	14.31	319999	17.71
	CLIENT SAMPLE NO.						
01	EB2-052710	777060	10.73	369194	14.81	546523	18.21
02	EB3-052710	838305	10.73	405692	14.81	607063	18.21
03							
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20							

IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV

CompuChem, a Division of Liberty Analytical Corporation

I. SAMPLE DATA PACKAGE

GC/MS by SW-846

Modified For Selected Ion Monitoring (SIM)

The sample data package shall include data for all analyses of all samples in one Sample Delivery Group (SDG), including field samples, dilutions, reanalyses, blanks, matrix spikes, matrix spike duplicates, and laboratory control samples. The sample data package consists of the following:

A. SDG Narrative

B. Chain-of-Custody Documentation

C. SDG Data

LAB CODE: LIBRTY METHOD: 8270C

SDG # : 1005187

A. SDG Narrative

CompuChem
a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG # 1005187
PROTOCOL: SW-846
Date: July 20, 2010

SAMPLE IDENTIFICATIONS:

BBG-GW01, BBG-GW02, BBG-GW02MS, BBG-GW02MSD, BBG-GW03, BBG-GW03UCH, BBG-GW04, BBG-GW07, BBG-GW08, BBG-GW09, BBG-GW09D, BBG-GW10, EB1-052510, EB1-052710, EB2-052510, EB2-052710, EB3-052710, and FB-052510

The eighteen (18) aqueous samples listed above were received intact, with proper documentation, in sealed shipping containers, on May 24, 25, 26, and 27, 2010. The cooler temperatures associated with these samples were 0.9, 3.2, 4.3, 1.8, 0.7, 3.9, 1.3, 5.1, and 2.7 °C.

The samples listed above were scheduled for the requested analysis of the semivolatile Selected Ion Monitoring (SIM) fraction.

SW-846, 3rd Edition, Update 3, Separatory Funnel extraction (Method 3510C), and Method 8270C Selected Ion Monitoring (SIM) were used to prepare and analyze these samples, with the exceptions and/or additions requested by the client. This portion of the narrative deals with the semivolatile SIM fraction only.

Semivolatile SIM:

Extraction holding times were met for all of these samples. Due to instrumentation issues in the semi-volatile laboratory, all samples in this SDG were analyzed outside of the analytical holding time. This may result in the sample results being qualified as estimated during the data validation process. The laboratory believes that the results are usable due to the fact that all surrogate recovery criteria were met in the analyses of these samples and the associated Laboratory Control Samples (LCS) and matrix spike duplicates met all accuracy and precision criteria.

Samples BBG-GW01 and EB3-052710 were, each, extracted using 900 mL of raw sample, rather than the method-specified amount of 1000 mL. The use of this lower volume of the raw sample resulted in slightly higher Contract Required Quantitation Limits (CRQLs).

Samples BBG-GW01UCH and BBG-GW09 were, each, extracted using 925 mL of raw sample, rather than the method-specified amount of 1000 mL. The use of this lower volume of the raw sample resulted in slightly higher Contract Required Quantitation Limits (CRQLs).

Samples BBG-GW02, BBG-GW08, and BBG-GW09D were, each, extracted using 950 mL of raw sample, rather than the method-specified amount of 1000 mL. The use of this lower volume of the raw sample resulted in slightly higher Contract Required Quantitation Limits (CRQLs).

Sample BBG-BW04 was extracted using 500 mL of raw sample, rather than the method-specified amount of 1000 mL. The extract was concentrated to a final volume half that of the method-specified volume, and therefore no effective dilution was performed during the extraction procedure.

Samples EB1-052510 and EB2-052710 were, each, extracted using 975 mL of raw sample, rather than the method-specified amount of 1000 mL. The use of this lower volume of the raw sample resulted in slightly higher Contract Required Quantitation Limits (CRQLs).

The semivolatile SIM project analyte Naphthalene was identified above the Contract Required Quantitation Limit (CRQL) in sample EB2-052710.

Manual integrations were performed on one or more of the process files associated with this SDG. Please see the detailed Manual Integration Summary report that is located behind this SDG narrative. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

Mass assignments were verified by the injections of Perfluorotributylamine for the SIM analysis.

Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All surrogate standards met recovery criteria in the analyses of these samples.

All of the internal standards met response and retention time criteria in the analyses of these samples.

The associated method blanks met all quality control criteria.

Sample BBG-GW02 was used as the original to prepare the duplicate matrix spikes as requested. The associated duplicate matrix spikes met all accuracy and precision criteria.

The associated Laboratory Control Samples, prepared and analyzed along with these samples, met all accuracy and precision criteria.

An uncertainty of these test results may be estimated from the recovery of the surrogates added to the sample prior to sample preparation or from the recovery of spiked compound(s) in the associated laboratory control sample. Further information is available upon request.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Furthermore, I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice. Release of the data contained in this hardcopy data package and in the computer-readable data submitted electronically has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

S.A. Parikh

Saroj A. Parikh
Data Reviewer
July 20, 2010

Manual Integrations											
SDG: 1005187 PAHSIM	BBG-GW03	EB1-052510									
Compound											
Naphthalene											
2-Methylnaphthalene		X									
1-Methylnaphthalene											
Acenaphtylene											
Acenaphthene											
Fluorene											
Phenanthrene											
Anthracene											
Fluoranthene											
Pyrene											
Benzo(a)anthracene											
Chrysene											
Benzo(b)fluoranthene											
Benzo(k)fluoranthene											
Benzo(a)pyrene											
Indeno(1,2,3-cd)pyrene											
Dibenzo(a,h)anthracene											
Benzo(g,h,i)perylene											
1,4-Dichlorobenzene-d4											
Nahthalene-d8											
Acenapthene-d10											
Phenanthrene-d10	X										
Chrysene-d12											
Perylene-d12											
2-fluorophenol											
Phenol-d5											
Nitrobenzene-d5											
2,4,6-Tribromophenol											
2-Fluorobiphenyl											
Terphenyl-d14											
"X" Denotes a manual integration for the compound											

GC and GC/MS Column and Trap Specifications Table

SDG #:	1005187

Columns Utilized	Brand Name	Coating Material	ID (mm)	Film Thickness (um)	Length (m)
	COLUMNS				
	GC Laboratory				
	Restek	RTX-5	0.53	1.0	30
	Restek	RTX-SMS	0.53	1.0	30
	Restek	clpest	0.32	0.5	30
	Restek	clpest2	0.32	0.42	30
	J&W	DB-210	0.53	1.0	30
	J&W	GS-GASPRO	0.32	N/A	30
	GC Volatiles Laboratory				
	Restek	RTX-Volatiles	0.53	2.0	30
	GC/MS Volatiles Laboratory				
	Restek	RTX-VMS	0.18	1.0	20
	Supelco	SPB-624	0.32	1.8	60
	Supelco	SPB-624	0.53	3.0	75
	Phenomonex	ZB-624	0.32	1.8	60
	GC/MS Semivolatiles Laboratory				
X	Restek	RTX-5MS	0.32	0.25	30
	Phenomonex	ZB-5MS	0.32	0.25	30
	HPLC Laboratory				
	Supelco	Supelcosil LC-PAH	4.6	5.0	15 cm
	Supelco	Discovery RP Amide C16	4.6	5.0	25 cm
	Restek	Pinnacle Cyano	4.6	5.0	25 cm
	Restek	Allure C18	4.6	5.0	25 cm

TRAPS *	
GC and GC/MS Volatiles Laboratory	
Supelco J (BETXTRAP™)	* 7.7 cm Carbopack C
	* 1.2 cm Carbopack B
Supelco K (Vocarb3000)	* 10 cm of Carbopack B (Graphitized Carbons)
	* 6 cm of Carboxen 1000 (Carbon molecular sieves)
	* 1 cm of Carboxen 1001 (Carbon molecular sieves)

Rev. 28

* This table contains the GC columns (and volatile organic trap) used for the analysis of volatiles, semi-voaltiles, pesticides, and Aroclors by the SOM01.2 SOW.

Please see the SDG Narrative(s) for the specific fractions(s) relative to this SDG.

CompuChem

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CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.).

Revision 6 (12/6/2005)

CompuChem

a division of Liberty Analytical Corporation

Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC chemists. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC analysis. The manual editing/integration flags are:

M - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak.

H - Denotes that the data reviewer, GC/MS operator, or GC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

MH - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.

L - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

The EPA CLP SOW documents require additional explanations for manual editing/integration. In the accompanying raw data packages, additional codes have been applied to the "M" flag and carry the following meanings;

M1 - The compound was not found by the automatic integration routine.

M2 - The compound was incorrectly integrated by the automatic integration routine.

M3 - The co-eluting compounds were incorrectly integrated by the automatic integration routine.

These codes will appear in the GC/MS and GC raw data.

Revision 7 (12/6/2005

DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each compound. The qualifiers used are:

U : This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J : This flag indicates an estimated value. The flag is used as detailed below:

1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1:1 is assumed for the TIC analyte,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide and/or Aroclor or other GC or HPLC identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.

N : This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search and must be used with the J flag. For generic characterization of a TIC such as "chlorinated hydrocarbon" (or for an "unknown," with no matches ≥85% in the SOM01.1 SOW), the N flag is not used.

P : In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the Form I and flagged with a P.
For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the higher of the two values is reported and flagged with a P. When the RPD is equal to or less than 40%, our policy is to also report the higher of the two values, although the choice could be a project specific issue. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

DATA REPORTING QUALIFIERS (continued)

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations (responses in the SOM01.1 SOW) exceed the upper level of the calibration range (exceed the response of the high ICAL standard in the SOM01.1 SOW) of the instrument for that specific analysis. If one or more compounds have a response greater than the upper level of the calibration range (greater than the response of the highest ICAL standard in the SOM01.1 SOW), the sample or extract will be diluted and reanalyzed. All such compounds with a response greater than the upper level of the calibration range (with responses greater than the response of the highest ICAL standard in the SOM01.1 SOW) will have the concentration (result in the SOM01.1 SOW) flagged with an E on Form I for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration (response in the SOM01.1 SOW) of an analyte exceeds the upper calibration range (exceeds the response of the highest ICAL standard in the SOM01.1 SOW), the DL suffix is appended to the sample number on the Form I for the more diluted sample, and **all** reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.

NOTE 1: The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.

NOTE 2: Separate Forms I are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses <u>are not combined</u> on a single Form I.

A: This flag indicates that a TIC is a suspected aldol-condensation product.

S: In the SOM01.1 SOW, this flag is used to indicate an estimated value for Aroclor target compounds where a valid 5-point initial calibration was not performed prior to the analytes detection in a sample. If an "S" flag is used for a specific Aroclor, then a reanalysis of the sample is required after a valid 5-point calibration is performed for the detected Aroclor.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y, and Z.

B. Chains-of-Custody

The laboratory shall include a copy of the Chain-of-Custody (CoC) documentation for all of the samples in the SDG. The CoC documents shall be arranged in increasing Client Sample ID number order, considering both letters and numbers.

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CHAIN OF CUSTODY

CompuChem
a division of Liberty Analytical Corp.

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information
Company Name: CH2M HILL	Project Name: CTO 94
Address: 3201 Beechleaf Ct Ste 304	Sampling Location: Camp Lejeune
City: Raleigh State: NC Zip: 27604	Turnaround time:
Project Contact: Paul Weber	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 269-762-3433	Are aqueous samples field filtered for metals? Y or (N)
Sampler's Name: Rachel Zayac	Are high concentrations expected? Y or (N) If yes, which ID(s)?

Requested Analysis (include method and bottle type): 500 ml; TAL metals 6010B/7470A; Hexavalent Chromium 7196A; PAHs 8270C; Pesticides 8081

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

pH / Sample Info (Lab Use): TAL Metals

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	TAL metals	Hexavalent Chromium	PAHs	Pesticides 8081	pH / Sample Info (Lab Use): TAL Metals
1005187-01	BBG-GW10-103	5/24/10	1330	GW	5			1			5	X	X	X	X	22
	~~BBG-GW01-103~~															

Lab Use Only

Sample Unpacked By: Dwayne Byrd
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

Sample Custody

Relinquished by: RZayac	Date/Time: 1730 5/24/10	Received by: Zee A Stevenson	Date/Time: 5 30PM 5/24/10
Relinquished by:	Date/Time:	Received by: Diane Byrd for Joann Overland	Date/Time: 5/24/10 1615
Subcontact? Y or (N) If yes, where?	Custody Seal(s) intact? Y or N (Courier)	On Ice? (Y) or N	Cooler Temp: 0.9 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer SN0015

Cooler #1 24949

CHAIN OF CUSTODY

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Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page 1 of 1

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information
Company Name: CH2M HILL	Project Name: CTO94
Address: 329 Beechleaf Ct Ste 304	Sampling Location: Camp Lejeune
City: Raleigh State: NC Zip: 27604	Turnaround time:
Project Contact: Paul Weber	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 269-762-3433	Are aqueous samples field filtered for metals? Y or (N)
Sampler's Name: Rachel Zajac	Are high concentrations expected? Y or (N)? If yes, which ID(s)?

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	TAL metals 6010B/7470 500ml	Hexavalent Chromium 7196A	PAH 8270C 3 AL	Pesticides 8081	pH / Sample Info (Lab Use)
1005187-02	BBG-FB-052510	5/25/10	0940	WT	5			1			3*	X	X	X	X	<2
-03	BBG-GW01-10B	"	1010	"	"			"			"	X	X	X	X	<2
-04	BBG-EB1-052510	"	1700	"	"			"			"	X	X	X	X	<2

TAL Metals

Lab Use Only

Sample Unpacked By: Jennifer Dorer
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments: Residual Chlorine Present? No

Sample Custody

Relinquished by:	Date/Time: 5/25/10 1800	Received by: Eli Cuna	Date/Time: 5.25.10 6:00
Relinquished by:	Date/Time:	Received by: Jennifer Dorer	Date/Time: 5.25.10 8:25 PM
Subcontact? Y or N If yes, where?	Custody Seal(s) intact? (Y) or N	On Ice: (Y) or N	Cooler Temp: 3.2 °C

NC Courier

Samples stored 60 days after date report mailed at no extra charge.

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SN0010

cooler #2 24948

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CHAIN OF CUSTODY

Page 1 of 1

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Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information
Company Name: CH2M HILL	Project Name: CTO 94
Address: 3201 Beechleaf Ct Ste 304	Sampling Location: Camp Lejeune
City: Raleigh State: NC Zip: 27604	Turnaround time
Project Contact: Paul Weber	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 269-762-3433	Are aqueous samples field filtered for metals? Y or (N)
Sampler's Name: Rachel Zayac	Are high concentrations expected? Y or (N)? If yes, which ID(s)?

Requested Analysis (include method and bottle type)

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	TAL metals 6010B/7470 500 mL	Hexavalent Chromium 7196A	PAH 8270C 3 AG	Pesticides 8081	pH / Sample Info (Lab Use)
1005187-05	BBG-GW03-[illegible]	5/25	1035	GW	5			1			4	X	X	X	X	TAL Metals <2
-06	BBG-EB2-052510	"	1035	"	1			"			"	X	X	X	X	<2

Lab Use Only

Sample Unpacked By: Jennifer Doer
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Residual Chlorine Present? Yes ___ No ✓

Sample Custody

Relinquished by: R Zayac	Date/Time: 5/25/10 1850	Received by: Eli Cuker	Date/Time: 5-25-10 6:00		
Relinquished by:	Date/Time:	Received by: Jennifer Doer	Date/Time: 5.25.10 8:25 PM		
Subcontact? Y or (N) If yes, where?	Custody Seal(s) intact? (Y) or N	On Ice (Y) or N	Cooler Temp: 4.3 °C		

Samples stored 60 days after date report mailed at no extra charge.

NC Courier

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24927

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Residual Chlorine Present? Yes _____ No ✓

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Page ____ of ____

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information
Company Name: CH2M HILL	Project Name: CTO 94
Address: 3301 Beechcraft St 300	Sampling Location: Camp Lejeune
City: Raleigh State: NC Zip: 27604	Turnaround time:
Project Contact: Paul Weber	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 269-762-3433	Are aqueous samples field filtered for metals? Y or (N)
Sampler's Name: Vera Anna Cunningham	Are high concentrations expected? Y or (N)? If yes, which ID(s)?

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other none	Requested Analysis: TAL metals 6010B/7470 500	Hexavalent Chromium 7196A	PAHs 8270C 3AL	Pesticides 8081	pH / Sample Info (Lab Use): TAL metals
1005187-07	BBG-GW09-10B	5/26	1130	GW	5			1			4	X	X	X	X	<2
-08	BBG-GW09D-10B	5/26	1135	GW	5			1			4	X	X	X	X	<2

Lab Use Only

Sample Unpacked By: Diane Byrd
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

Sample Custody

Relinquished by: Vera Anna Cunningham	Date/Time: 5/26/10 1630	Received by: Elizabeth Gurley	Date/Time: 5-26-10 1935
Relinquished by:	Date/Time:	Received by:	Date/Time: 5/26/10 1945
Subcontact? Y or (N) If yes, where?	Custody Seal(s) intact? (Y) or N	On Ice? (Y) or N	Cooler Temp: 1.8 °C

Samples stored 60 days after date report mailed at no extra charge.

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SN0015

Residual Chlorine Present?
Yes ____ No ✓

24926

CHAIN OF CUSTODY

Page ____ of ____

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Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information
Company Name: CH2M HILL	Project Name: CTO 94
Address: 3201 Beechleaf Ct Ste 300	Sampling Location: Camp Lejeune
City: Raleigh State: NC Zip: 27604	Turnaround time:
Project Contact: Paul Weber	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 269-762-3433	Are aqueous samples field filtered for metals? Y or (N)
Sampler's Name: Verd Anna Cunningham	Are high concentrations expected? Y or (N)? If yes, which ID(s)?

Requested Analysis (include method and bottle type)

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other none	TAL Metals 6010B / 7470 (500)	Hexavalent Chromium 7196A	PAHs 8270C (3AL)	Pesticides 8081	pH / Sample Info (Lab Use): TAL Metals
1005187-09	BBG-GW08-10B	5/26	1445	GW	5			1			4	X	X	X	X	K2

Lab Use Only

Sample Unpacked By:
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

Sample Custody

Relinquished by: Verd Anna Cunningham	Date/Time: 5/26/10 1730	Received by:	Date/Time: 5-26-10 1535
Relinquished by:	Date/Time:	Received by:	Date/Time: 5/26/10 1945
Subcontact? Y or (N) If yes, where?	Custody Seal(s) intact? (Y) or N	On Ice? (Y) or N	Cooler Temp: (0.7) °C

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SN0015

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Residual Chlorine Present?
Yes _____ No ✓

Cooler #3

20706

Page 1 of 1

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CHAIN OF CUSTODY

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Phone: 919-379-4100 Fax 919-379-4040

3AL

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information
Company Name: CH2M HILL	Project Name: CTO 94
Address: 3201 Beechleaf Ct Ste 304	Sampling Location: Camp Lejeune
City: Raleigh State: NC Zip: 27604	Turnaround time:
Project Contact: Paul Weber	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 9198754311	Are aqueous samples field filtered for metals? Y or N
Sampler's Name: Rachel Zeyar	Are high concentrations expected? Y or N? If yes, which ID(s)?

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Preserved: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Requested Analysis: TAL metals 6010B/7470 (500)	Hex Chromium 7196A (125)	PAHs 8270 C (R2)	Pesticides 8081	pH / Sample Info (Lab Use)
1005187-10	BB6-GW07-1053	5/27	0830	GW	5			1			4	X	X	X	X	TAL mets <2
-11	BB6-EB1-052710	↓	1525	1	↓			1				X	X	X	X	<2

Lab Use Only

Sample Unpacked By: Dawn Byrd
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments

Sample Custody

Relinquished by: R Zeyar	Date/Time: 5/27/10 2005	Received by:	Date/Time: 5/27/10 2005
Relinquished by:	Date/Time:	Received by:	Date/Time:
Subcontact? Y or N If yes, where?	Custody Seal(s) intact? Y or N	On Ice? Y or N	Cooler Temp: 1.5 3.9 °C

Samples stored 60 days after date report mailed at no extra charge.

hand delivery

White & Yellow copy to lab • Pink copy for customer

5/28/10 SN0015

Residual Chlorine Present? Yes ____ No ✓

cooler # 2

20705

Page 1 of 1

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CHAIN OF CUSTODY

CompuChem
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501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier:
Airbill No.:
Sampling Complete? Y or N

Client/Reporting Information	Project Information
Company Name: CH2M HILL	Project Name: CTO94
Address: 3301 Beacon Leaf Ct Ste 304	Sampling Location: Camp Lejeune
City: Raleigh State: NC Zip: 27604	Turnaround time:
Project Contact: Paul Weber	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 9198754311	Are aqueous samples field filtered for metals? Y or N
Sampler's Name: Rachel Zayac	Are high concentrations expected? Y or N? If yes, which ID(s)?

Requested Analysis (include method and bottle type): TAL metals 6010B / 7470 (500); Hex Chromium 7196A (125); PAHs 8270C (3AL); Pesticides 8081 (1)

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

pH / Sample Info (Lab Use): TAL metals pH

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	TAL metals	Hex Chromium	PAHs	Pesticides	pH / Sample Info (Lab Use)
1005187-12	BBG-GW04-10B	5/22	1130	GW	5			1			4	X	X	X	X	<2
-13	BBG-GW03UCH-10B	"	1410	"	↓			1			4	X	X	X	X	<2

Lab Use Only

Sample Unpacked By: Diane Bynum
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments

containers labeled BBG-GW03UCH-10B per Rebekka

Sample Custody

Relinquished by: K Zayac	Date/Time: 5/27/10 2005	Received by:	Date/Time: 5/27/10 2005
Relinquished by:	Date/Time:	Received by:	Date/Time:
Subcontact? Y or N If yes, where?	Custody Seal(s) intact? Y or N	On Ice? Y or N	Cooler Temp: 1.3 °C

Samples stored 60 days after date report mailed at no extra charge.

hand delivery

White & Yellow copy to lab • Pink copy for customer

SN0015

Residual Chlorine Present? Yes ____ No ✓

Cover #1

20704

Page 1 of 1

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CompuChem
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CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information	Requested Analysis (include method and bottle type)	Matrices
Company Name: CH2M HILL	Project Name: CTO 94		GW - Ground water
Address: 3301 Beacheaf Ct Ste 304	Sampling Location: MCB Camp Lejeune		WW - Waste water
City: Raleigh State: NC Zip: 27604	Turnaround time		SW - Surface water
Project Contact: Paul Weber	Batch QC or Project Specific? If Specific, which Sample ID?		SO - Soil/Sediment
Phone #: 919 875 4311	Are aqueous samples field filtered for metals? Y or N		TB - Trip Blank
Sampler's Name: Rachel Zayac	Are high concentrations expected? Y or N? If yes, which ID(s)?		RI - Rinsate
			WP - Wipe
			O - Other

CompuChem No (Lab Use)	Field ID	Collection: Date	Collection: Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	TAL metals 6010B/7470A	Hex chromium 7196A	PAHs 8270C	Pesticides 8081	pH / Sample Info (Lab Use): TAL Metals
100518-14	BBG-GW03-10B	5/27	1400	GW	15			3			12	X	X	X	X	12

Lab Use Only

Sample Unpacked By: Grace Byrd
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

MS/MSD

Sample Custody

Relinquished by: R Zayac	Date/Time: 5/27/10 2005	Received by:	Date/Time: 5/27/10 2005
Relinquished by:	Date/Time:	Received by:	Date/Time:
Subcontact? Y or N If yes, where?	Custody Seal(s) intact? Y or (N)	On Ice? (Y) or N	Cooler Temp: 5.1 °C

Samples stored 60 days after date report mailed at no extra charge.

hand delivery

White & Yellow copy to lab • Pink copy for customer SW0015

Residual Chlorine Present? Yes ____ No ✓

cooler 4

20707

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CHAIN OF CUSTODY

Page 1 of 1

CompuChem
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501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information
Company Name: CH2M HILL	Project Name: CTO 94
Address: 3301 Beacon Ave Ste 304	Sampling Location: Camp Lejeune
City: Raleigh State: NC Zip: 27604	Turnaround time
Project Contact: Paul Weber	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 919875 4311	Are aqueous samples field filtered for metals? Y or N
Sampler's Name: Rachel Zajac	Are high concentrations expected? Y or N? If yes, which ID(s)?

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Requested Analysis: TAL metals 6010B/7470 SOO	Hex Chromium 7199A IR-5	PAHs 8270C SIM	Pesticides 8081	pH / Sample Info (Lab Use)
1005187-15	BBGEB2-052710	5/27	1545	GW	5			1			4	X	X	X	X	<2
-16	BBGEB3-052710	↓	1545	↓	↓			1			4	X	X	X	X	<2

TAL Metals

Lab Use Only

Sample Unpacked By: [signature]
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or N (NA)
625 & Phenol samples checked for chlorine? Y or N (NA)
608 samples checked for pH between 5.0-9.0? Y or N (NA)

Comments

Sample Custody

Relinquished by: [signature]	Date/Time: 5/27/10 2005	Received by: [signature]	Date/Time: 5/27/10 2005
Relinquished by:	Date/Time:	Received by:	Date/Time:
Subcontact? Y or N If yes, where?	Custody Seal(s) intact? Y or N	On Ice? Y or N	Cooler Temp: 2.7 °C

Samples stored 60 days after date report mailed at no extra charge.

hand delivery

White & Yellow copy to lab • Pink copy for customer

SN0015

1005187

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005187** **CASE:**	**Status:**	**Reviewed**

Report To:
CH2M HILL, INC.
REBEKHA SHAW
5700 CLEVELAND STREET, SUITE 101
VIRGINIA BEACH, VA 23462
Phone: 757-671-8311
Fax: -

Invoice To:
CH2M HILL, INC.
ACCOUNTS PAYABLE
P.O. BOX 241329
DENVER, CO 80224
Phone :757-671-8311
Fax: -

Date Due: 06/16/2010 00:00 (20 day TAT)

Received By: Cathy Dover — Date Received: 05/27/2010 20:05

Logged In By: Cathy Dover — Date Logged In: 05/25/2010 13:37

J & B Flags?: **YES**	TICS?:**NO**	Deliverable: **Style 9 PQL/MDL Forms**	EDD : **30) CH2 SNEDD**
Metals ND to? **RL/CRQL**	Spike Level: **FULL Spike**		

DOD CRITERIA*USE 1005187-14 FOR QC*SIM 8270C=PAH.SUB*PEST 8081A* TAL METALS*HEXAVALENT Cr 7196A + Cr+3 REPORTED ON FORMS & EDD

Analysis	Due	TAT	Expires	Received	Comments
1005187-01 BBG-GW10 [Water] Sampled 05/24/2010 13:30 Eastern					
6010B METALS TAL	06/16/2010 16:00	20	11/20/2010 13:30	05/24/2010 16:15	
7470A/7471A Mercury	06/16/2010 16:00	20	06/21/2010 13:30	05/24/2010 16:15	
GC-8081A/PEST	06/16/2010 16:00	20	05/31/2010 13:30	05/24/2010 16:15	
SVOC 8270C SIM PAH	06/16/2010 16:00	20	05/31/2010 13:30	05/24/2010 16:15	
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/20/2010 13:30	05/24/2010 16:15	
1005187-02 FB-052510 [Water] Sampled 05/25/2010 09:40 Eastern					**FIELD BLK**
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/01/2010 09:40	05/25/2010 20:25	
GC-8081A/PEST	06/16/2010 16:00	20	06/01/2010 09:40	05/25/2010 20:25	
6010B METALS TAL	06/16/2010 16:00	20	11/21/2010 09:40	05/25/2010 20:25	
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/21/2010 09:40	05/25/2010 20:25	
7470A/7471A Mercury	06/16/2010 16:00	20	06/22/2010 09:40	05/25/2010 20:25	
1005187-03 BBG-GW01 [Water] Sampled 05/25/2010 10:10 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/21/2010 10:10	05/25/2010 20:25	
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/01/2010 10:10	05/25/2010 20:25	
GC-8081A/PEST	06/16/2010 16:00	20	06/01/2010 10:10	05/25/2010 20:25	
7470A/7471A Mercury	06/16/2010 16:00	20	06/22/2010 10:10	05/25/2010 20:25	
6010B METALS TAL	06/16/2010 16:00	20	11/21/2010 10:10	05/25/2010 20:25	

1005187

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005187** **CASE:**	**Status:**	**Reported**

Analysis	Due	TAT	Expires	Comments
1005187-04 EB1-052510 [Water] Sampled 05/25/2010 17:00 Eastern				**EQUIP. BLK**
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/21/2010 17:00	05/25/2010 20:25
6010B METALS TAL	06/16/2010 16:00	20	11/21/2010 17:00	05/25/2010 20:25
7470A/7471A Mercury	06/16/2010 16:00	20	06/22/2010 17:00	05/25/2010 20:25
GC-8081A/PEST	06/16/2010 16:00	20	06/01/2010 17:00	05/25/2010 20:25
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/01/2010 17:00	05/25/2010 20:25
1005187-05 BBG-GW03 [Water] Sampled 05/25/2010 16:35 Eastern				
GC-8081A/PEST	06/16/2010 16:00	20	06/01/2010 16:35	05/25/2010 20:25
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/01/2010 16:35	05/25/2010 20:25
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/21/2010 16:35	05/25/2010 20:25
6010B METALS TAL	06/16/2010 16:00	20	11/21/2010 16:35	05/25/2010 20:25
7470A/7471A Mercury	06/16/2010 16:00	20	06/22/2010 16:35	05/25/2010 20:25
1005187-06 EB2-052510 [Water] Sampled 05/25/2010 10:35 Eastern				**EQUIP. BLK**
6010B METALS TAL	06/16/2010 16:00	20	11/21/2010 10:35	05/25/2010 20:25
7470A/7471A Mercury	06/16/2010 16:00	20	06/22/2010 10:35	05/25/2010 20:25
GC-8081A/PEST	06/16/2010 16:00	20	06/01/2010 10:35	05/25/2010 20:25
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/01/2010 10:35	05/25/2010 20:25
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/21/2010 10:35	05/25/2010 20:25
1005187-07 BBG-GW09 [Water] Sampled 05/26/2010 11:30 Eastern				
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/22/2010 11:30	05/26/2010 19:45
GC-8081A/PEST	06/16/2010 16:00	20	06/02/2010 11:30	05/26/2010 19:45
6010B METALS TAL	06/16/2010 16:00	20	11/22/2010 11:30	05/26/2010 19:45
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/02/2010 11:30	05/26/2010 19:45
7470A/7471A Mercury	06/16/2010 16:00	20	06/23/2010 11:30	05/26/2010 19:45
1005187-08 BBG-GW09D [Water] Sampled 05/26/2010 11:35 Eastern				
7470A/7471A Mercury	06/16/2010 16:00	20	06/23/2010 11:35	05/26/2010 19:45
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/02/2010 11:35	05/26/2010 19:45
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/22/2010 11:35	05/26/2010 19:45
6010B METALS TAL	06/16/2010 16:00	20	11/22/2010 11:35	05/26/2010 19:45
GC-8081A/PEST	06/16/2010 16:00	20	06/02/2010 11:35	05/26/2010 19:45

1005187

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005187** **CASE:**	**Status:**	**Reported**

Analysis	Due	TAT	Expires	Comments
1005187-09 BBG-GW08 [Water] Sampled 05/26/2010 14:45 Eastern				
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/02/2010 14:45	05/26/2010 19:45
GC-8081A/PEST	06/16/2010 16:00	20	06/02/2010 14:45	05/26/2010 19:45
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/22/2010 14:45	05/26/2010 19:45
6010B METALS TAL	06/16/2010 16:00	20	11/22/2010 14:45	05/26/2010 19:45
7470A/7471A Mercury	06/16/2010 16:00	20	06/23/2010 14:45	05/26/2010 19:45
1005187-10 BBG-GW07 [Water] Sampled 05/27/2010 08:30 Eastern				
GC-8081A/PEST	06/16/2010 16:00	20	06/03/2010 08:30	05/27/2010 20:05
6010B METALS TAL	06/16/2010 16:00	20	11/23/2010 08:30	05/27/2010 20:05
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/23/2010 08:30	05/27/2010 20:05
7470A/7471A Mercury	06/16/2010 16:00	20	06/24/2010 08:30	05/27/2010 20:05
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/03/2010 08:30	05/27/2010 20:05
1005187-11 EB1-052710 [Water] Sampled 05/27/2010 15:25 Eastern				
GC-8081A/PEST	06/16/2010 16:00	20	06/03/2010 15:25	05/27/2010 20:05
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/03/2010 15:25	05/27/2010 20:05
6010B METALS TAL	06/16/2010 16:00	20	11/23/2010 15:25	05/27/2010 20:05
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/23/2010 15:25	05/27/2010 20:05
7470A/7471A Mercury	06/16/2010 16:00	20	06/24/2010 15:25	05/27/2010 20:05
1005187-12 BBG-GW04 [Water] Sampled 05/27/2010 11:30 Eastern				
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/23/2010 11:30	05/27/2010 20:05
GC-8081A/PEST	06/16/2010 16:00	20	06/03/2010 11:30	05/27/2010 20:05
7470A/7471A Mercury	06/16/2010 16:00	20	06/24/2010 11:30	05/27/2010 20:05
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/03/2010 11:30	05/27/2010 20:05
6010B METALS TAL	06/16/2010 16:00	20	11/23/2010 11:30	05/27/2010 20:05
1005187-13 BBG-GW03UCH [Water] Sampled 05/27/2010 14:10 Eastern				
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/23/2010 14:10	05/27/2010 20:05
6010B METALS TAL	06/16/2010 16:00	20	11/23/2010 14:10	05/27/2010 20:05
7470A/7471A Mercury	06/16/2010 16:00	20	06/24/2010 14:10	05/27/2010 20:05
GC-8081A/PEST	06/16/2010 16:00	20	06/03/2010 14:10	05/27/2010 20:05
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/03/2010 14:10	05/27/2010 20:05

1005187

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005187** **CASE:**	**Status:**	**Reported**

Analysis	Due	TAT	Expires	Comments
1005187-14 BBG-GW02 [Water] Sampled 05/27/2010 14:00 Eastern				**USE FOR QC**
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/03/2010 14:00	05/27/2010 20:05
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/23/2010 14:00	05/27/2010 20:05
6010B METALS TAL	06/16/2010 16:00	20	11/23/2010 14:00	05/27/2010 20:05
7470A/7471A Mercury	06/16/2010 16:00	20	06/24/2010 14:00	05/27/2010 20:05
GC-8081A/PEST	06/16/2010 16:00	20	06/03/2010 14:00	05/27/2010 20:05
1005187-15 EB2-052710 [Water] Sampled 05/27/2010 15:45 Eastern				
GC-8081A/PEST	06/16/2010 16:00	20	06/03/2010 15:45	05/27/2010 20:05
6010B METALS TAL	06/16/2010 16:00	20	11/23/2010 15:45	05/27/2010 20:05
7470A/7471A Mercury	06/16/2010 16:00	20	06/24/2010 15:45	05/27/2010 20:05
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/23/2010 15:45	05/27/2010 20:05
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/03/2010 15:45	05/27/2010 20:05
1005187-16 EB3-052710 [Water] Sampled 05/27/2010 15:45 Eastern				
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/03/2010 15:45	05/27/2010 20:05
7470A/7471A Mercury	06/16/2010 16:00	20	06/24/2010 15:45	05/27/2010 20:05
6010B METALS TAL	06/16/2010 16:00	20	11/23/2010 15:45	05/27/2010 20:05
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/23/2010 15:45	05/27/2010 20:05
GC-8081A/PEST	06/16/2010 16:00	20	06/03/2010 15:45	05/27/2010 20:05

Analysis groups included in this work order

TRIVALENT CHROMIUM Cr3 7196A

Total Cr by Metals	HEXAVALENT CHROMI

CompuChem
A Division Of
Liberty Analytical Corp.

QUALITY ASSURANCE NOTICE

CompuChem ID # _____
Client ID # BBG-GW10-10B
Case # _____
Type of Analysis TAL Metals
Receipt Date 5-24-10

The pH reading for the sample above was 2.2 : the required pH level is <2 .

A CompuChem Project Manager contacted the client who instructed the laboratory to:

Preserve in-house ✓

Note: For samples preserved in house, certain clients require that the maximum amount of preservative added to a sample in an SDG also be added to the associated field or equipment blank. If neither blank is present, the appropriate laboratory must be notified so the proper amount of preservation can be added to the method blank.

Analyze - qualify with notice ✓

Dispose - client will resample _____

Subcontract lab to preserve _____

Project Manager [signature] Date 5/25/10

Preservation Type 50% HNO_3 Preservative Lot Number 7GG1-20-3

Preserved By [signature] Date 5/25/10

CompuChem
A Division Of
Liberty Analytical Corp.

Sample ID Cross Reference

LAB WO	Project	Sample #	Field ID	Sample Date	Rec Date	DueDate	Chain of Custody ID
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-01	BBG-GW10	05/24/2010	05/24/2010	06/09/2010	BBG-GW10-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-01	BBG-GW10	05/24/2010	05/24/2010	06/16/2010	BBG-GW10-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-02	FB-052510	05/25/2010	05/25/2010	06/09/2010	BBG-FB-052510
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-02	FB-052510	05/25/2010	05/25/2010	06/16/2010	BBG-FB-052510
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-03	BBG-GW01	05/25/2010	05/25/2010	06/09/2010	BBG-GW01-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-03	BBG-GW01	05/25/2010	05/25/2010	06/16/2010	BBG-GW01-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-04	EB1-052510	05/25/2010	05/25/2010	06/09/2010	BBG-EB1-052510
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-04	EB1-052510	05/25/2010	05/25/2010	06/16/2010	BBG-EB1-052510
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-05	BBG-GW03	05/25/2010	05/25/2010	06/09/2010	BBG-GW03-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-05	BBG-GW03	05/25/2010	05/25/2010	06/16/2010	BBG-GW03-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-06	EB2-052510	05/25/2010	05/25/2010	06/09/2010	BBG-EB2-052510
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-06	EB2-052510	05/25/2010	05/25/2010	06/16/2010	BBG-EB2-052510
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-07	BBG-GW09	05/26/2010	05/26/2010	06/09/2010	BBG-GW09-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-07	BBG-GW09	05/26/2010	05/26/2010	06/16/2010	BBG-GW09-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-08	BBG-GW09D	05/26/2010	05/26/2010	06/09/2010	BBG-GW09D-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-08	BBG-GW09D	05/26/2010	05/26/2010	06/16/2010	BBG-GW09D-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-09	BBG-GW08	05/26/2010	05/26/2010	06/09/2010	BBG-GW08-10B

LAB WO	Project	Sample #	Field ID	Sample Date	Rec Date	DueDate	Chain of Custody ID
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-09	BBG-GW08	05/26/2010	05/26/2010	06/16/2010	BBG-GW08-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-10	BBG-GW07	05/27/2010	05/27/2010	06/09/2010	BBG-GW07-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-10	BBG-GW07	05/27/2010	05/27/2010	06/16/2010	BBG-GW07-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-11	EB1-052710	05/27/2010	05/27/2010	06/09/2010	BBG-EB1-052710
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-11	EB1-052710	05/27/2010	05/27/2010	06/16/2010	BBG-EB1-052710
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-12	BBG-GW04	05/27/2010	05/27/2010	06/09/2010	BBG-GW04-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-12	BBG-GW04	05/27/2010	05/27/2010	06/16/2010	BBG-GW04-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-13	BBG-GW03UCH	05/27/2010	05/27/2010	06/09/2010	BBG-GW03UCH-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-13	BBG-GW03UCH	05/27/2010	05/27/2010	06/16/2010	BBG-GW03UCH-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-14	BBG-GW02	05/27/2010	05/27/2010	06/09/2010	BBG-GW02-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-14	BBG-GW02	05/27/2010	05/27/2010	06/16/2010	BBG-GW02-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-15	EB2-052710	05/27/2010	05/27/2010	06/09/2010	BBG-EB2-052710
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-15	EB2-052710	05/27/2010	05/27/2010	06/16/2010	BBG-EB2-052710
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-16	EB3-052710	05/27/2010	05/27/2010	06/09/2010	BBG-EB3-052710
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-16	EB3-052710	05/27/2010	05/27/2010	06/16/2010	BBG-EB3-052710

CompuChem, a Division of Liberty Analytical Corp.

EXTRACT COC

6-1-10 UML 6-1-10

DEPT: EXTR **DATE:** 6-1-10

BATCH: 0052804

	COMPUCHEM NUMBER	CLIENT SAMPLE ID	PARAMETER	
1	0052804-BLK1	SBLKDO		
2	0052804-BS1	SDOLCS		
3	0052804-MS1	BBG-GW02MS		
4	0052804-MS2	MW-1MS		
5	0052804-MSD1	BBG-GW02MSD		
6	0052804-MSD2	MW-1MSD		
7	1005186-17	AOCF-FB02-10A		
8	1005187-07	BBG-GW09		
9	1005187-08	BBG-GW09D		
10	1005187-09	BBG-GW08		
11	1005187-10	BBG-GW07		
12	1005187-11	EB1-052710		
13	1005187-12	BBG-GW04		
14	1005187-13	BBG-GW01UCH		
15	1005187-14	BBG-GW02		
16	1005187-15	EB2-052710		
17	1005187-16	EB3-052710		
18	1005196-01	MW-1		
19	1005196-02	MW-2		
20	1005196-03	MW-3		
21	1005196-04	MW-2 DUP		
22	1005196-06	MW-4		
23				
24				
25				
26				
27				
28				

	RELINQUISHED BY	DATE/TIME	REC. BY	REASON
	[illegible]	6-1-10 / 2:45pm	GC Ref #3	Storage
	GCMS#3	7/12/10 1500	MW	analysis
	MW	7/12/10 1900	GCMS#3	Storage
	GC/MS R3	7-13-10 1200	OS	Analysis
	[illegible]	7-13-10 1500	GC/MS R3	Storage

Rev. 12/29/09:RM

C. SDG Data

1. QC Summary
2. Sample Data
3. Standards Data
4. Raw QC Data

LAB CODE: LIBRTY METHOD: 8270C

SDG # : 1005187

1. QC Summary

a. Surrogate Percent Recovery Summary (Form II SV)

b. Spike Summary - MS / MSD / LCS
(Form III SV)

c. Method Blank Summary (Form IV SV)

d. Internal Standard Area and RT Summary
(Form VIII SV)

a. Surrogate Percent Recovery Summary

(Form II SV)

FORM 2
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

	CLIENT SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	SBLKCY	84	82	125						0
02	SCYLCS	77	75	132						0
03	BBG-GW10	59	58	101						0
04	FB-052510	65	62	118						0
05	BBG-GW01	70	62	125						0
06	EB1-052510	63	62	133						0
07	BBG-GW03	67	66	115						0
08	EB2-052510	74	58	127						0
09	SCYLCSD	71	72	94						0
10	SBLKDO	72	78	97						0
11	SDOLCS	74	73	86						0
12	BBG-GW02	74	72	86						0
13	BBG-GW02MS	64	61	77						0
14	BBG-GW02MSD	76	73	73						0
15	BBG-GW09	68	66	84						0
16	BBG-GW09D	68	65	82						0
17	BBG-GW08	67	64	85						0
18	BBG-GW07	58	58	78						0
19	EB1-052710	67	64	92						0
20	BBG-GW04	60	59	65						0
21	BBG-GW03UCH	66	67	82						0
22	EB2-052710	85	84	113						0
23	EB3-052710	65	68	88						0
24										
25										
26										
27										
28										

	QC LIMITS
S1 (NBZ) = Nitrobenzene-d5	(40-110)
S2 (FBP) = 2-Fluorobiphenyl	(50-110)
S3 (TPH) = Terphenyl-d14	(50-135)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

b. Spike Summary - MS / MSD / LCS
(Form III SV)

FORM 3
WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix Spike - Sample No.: BBG-GW02

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Naphthalene	0.5	0	0.2869	57	40-110
2-Methylnaphthalene	0.5	0	0.2925	59	45-105
Acenaphthylene	0.5	0	0.2833	57	50-105
Acenaphthene	0.5	0	0.2917	58	45-110
Fluorene	0.5	0	0.3072	61	50-110
Phenanthrene	0.5	0	0.3435	69	50-115
Anthracene	0.5	0	0.312	62	55-110
Fluoranthene	0.5	0	0.3927	79	55-115
Pyrene	0.5	0	0.3579	72	50-130
Benzo(a)anthracene	0.5	0	0.3686	74	45-120
Chrysene	0.5	0	0.3737	75	55-110
Benzo(b)fluoranthene	0.5	0	0.367	73	45-120
Benzo(k)fluoranthene	0.5	0	0.3937	79	45-125
Benzo(a)pyrene	0.5	0	0.3142	63	55-110
Indeno(1,2,3-cd)pyrene	0.5	0	0.2469	49	45-125
Dibenzo(a,h)anthracene	0.5	0	0.2513	50	40-125
Benzo(g,h,i)perylene	0.5	0	0.2924	58	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix Spike - Sample No.: BBG-GW02

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Naphthalene	0.5	0.348	70	19	30	40-110
2-Methylnaphthalene	0.5	0.353	71	19	30	45-105
Acenaphthylene	0.5	0.3449	69	20	30	50-105
Acenaphthene	0.5	0.3506	70	18	30	45-110
Fluorene	0.5	0.3648	73	17	30	50-110
Phenanthrene	0.5	0.3903	78	13	30	50-115
Anthracene	0.5	0.3563	71	13	30	55-110
Fluoranthene	0.5	0.433	87	10	30	55-115
Pyrene	0.5	0.3352	67	6	30	50-130
Benzo(a)anthracene	0.5	0.3951	79	7	30	45-120
Chrysene	0.5	0.4069	81	8	30	55-110
Benzo(b)fluoranthene	0.5	0.4071	81	10	30	45-120
Benzo(k)fluoranthene	0.5	0.4237	85	7	30	45-125
Benzo(a)pyrene	0.5	0.3587	72	13	30	55-110
Indeno(1,2,3-cd)pyrene	0.5	0.2785	56	12	30	45-125
Dibenzo(a,h)anthracene	0.5	0.305	61	19	30	40-125
Benzo(g,h,i)perylene	0.5	0.3385	68	15	30	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 17 outside limits
Spike Recovery: 0 out of 34 outside limits

COMMENTS: _____

3C
WATER SEMIVOLATILE LAB CONTROL SAMPLE

SCYLCS

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix Spike - EPA Sample No.: SCYLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Naphthalene	0.5		0.4154	83	40-110
2-Methylnaphthalene	0.5		0.4049	81	45-105
Acenaphthylene	0.5		0.4056	81	50-105
Acenaphthene	0.5		0.4193	84	45-110
Fluorene	0.5		0.415	83	50-110
Phenanthrene	0.5		0.4682	94	50-115
Anthracene	0.5		0.4832	97	55-110
Fluoranthene	0.5		0.4475	90	55-115
Pyrene	0.5		0.6117	122	50-130
Benzo(a)anthracene	0.5		0.5415	108	45-120
Chrysene	0.5		0.5484	110	55-110
Benzo(b)fluoranthene	0.5		0.5702	114	45-120
Benzo(k)fluoranthene	0.5		0.604	121	45-125
Benzo(a)pyrene	0.5		0.535	107	55-110
Indeno(1,2,3-cd)pyrene	0.5		0.3768	75	45-125
Dibenzo(a,h)anthracene	0.5		0.4017	80	40-125
Benzo(g,h,i)perylene	0.5		0.3679	74	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

3C
WATER SEMIVOLATILE LAB CONTROL SAMPLE

SCYLCS

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix Spike - EPA Sample No.: SCYLCS

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Naphthalene	0.5	0.3823	76	9	30	40-105
2-Methylnaphthalene	0.5	0.38	76	6	30	45-105
Acenaphthylene	0.5	0.3672	73	10	30	50-105
Acenaphthene	0.5	0.3875	78	7	30	45-110
Fluorene	0.5	0.3792	76	9	30	50-110
Phenanthrene	0.5	0.4357	87	8	30	50-110
Anthracene	0.5	0.4312	86	12	30	55-105
Fluoranthene	0.5	0.4339	87	3	30	55-115
Pyrene	0.5	0.4528	91	29	30	45-125
Benzo(a)anthracene	0.5	0.4632	93	15	30	50-110
Chrysene	0.5	0.4967	99	11	30	55-110
Benzo(b)fluoranthene	0.5	0.4484	90	24	30	45-115
Benzo(k)fluoranthene	0.5	0.4641	93	26	30	45-125
Benzo(a)pyrene	0.5	0.4643	93	14	30	50-110
Indeno(1,2,3-cd)pyrene	0.5	0.449	90	18	30	40-125
Dibenzo(a,h)anthracene	0.5	0.4836	97	19	30	40-125
Benzo(g,h,i)perylene	0.5	0.4794	96	26	30	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 17 outside limits
Spike Recovery: 0 out of 34 outside limits

COMMENTS: _____

3C
WATER SEMIVOLATILE LAB CONTROL SAMPLE

SDOLCS

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Naphthalene	0.5	0.3606	72	40-110
2-Methylnaphthalene	0.5	0.3723	74	45-105
Acenaphthylene	0.5	0.331	66	50-105
Acenaphthene	0.5	0.3468	69	45-110
Fluorene	0.5	0.3481	70	50-110
Phenanthrene	0.5	0.3711	74	50-115
Anthracene	0.5	0.3388	68	55-110
Fluoranthene	0.5	0.3914	78	55-115
Pyrene	0.5	0.3894	78	50-130
Benzo(a)anthracene	0.5	0.3678	74	45-120
Chrysene	0.5	0.3877	78	55-110
Benzo(b)fluoranthene	0.5	0.3427	69	45-120
Benzo(k)fluoranthene	0.5	0.3625	73	45-125
Benzo(a)pyrene	0.5	0.3287	66	55-110
Indeno(1,2,3-cd)pyrene	0.5	0.2544	51	45-125
Dibenzo(a,h)anthracene	0.5	0.2555	51	40-125
Benzo(g,h,i)perylene	0.5	0.3179	64	40-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

Spike Recovery: 0 out of 17 outside limits

COMMENTS: _____

c. Method Blank Summary (Form IV SV)

If more than a single form is necessary, forms shall be arranged in chronological order by date of analysis of the blanks and by instrument.

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

SBLKCY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab File ID: 0052635-BLK1A66 Lab Sample ID: 0052635-BLK1

Instrument ID: 5972HP66 Date Extracted: 05/26/10

Matrix: (soil/water) WATER Date Analyzed: 07/10/10

Level:(low/med) LOW Time Analyzed: 0918

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SCYLCS	0052635-BS1	0052635-BS1A	07/10/10
02	BBG-GW10	1005187-01	1005187-01A6	07/10/10
03	FB-052510	1005187-02	1005187-02A6	07/10/10
04	BBG-GW01	1005187-03	1005187-03A6	07/10/10
05	EB1-052510	1005187-04	1005187-04A6	07/10/10
06	BBG-GW03	1005187-05	1005187-05A6	07/10/10
07	EB2-052510	1005187-06	1005187-06A6	07/10/10
08	SCYLCSD	0052635-BSD1	0052635-BSD1	07/12/10
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COMMENTS:

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

SBLKDO

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab File ID: 0052804-BLK1A68 Lab Sample ID: 0052804-BLK1

Instrument ID: 5973HP68 Date Extracted: 05/28/10

Matrix: (soil/water) WATER Date Analyzed: 07/13/10

Level:(low/med) LOW Time Analyzed: 1413

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SDOLCS	0052804-BS1	0052804-BS1A	07/13/10
02	BBG-GW02	1005187-14	1005187-14A6	07/13/10
03	BBG-GW02MS	0052804-MS1	0052804-MS1A	07/13/10
04	BBG-GW02MSD	0052804-MSD1	0052804-MSD1	07/13/10
05	BBG-GW09	1005187-07	1005187-07A6	07/13/10
06	BBG-GW09D	1005187-08	1005187-08A6	07/13/10
07	BBG-GW08	1005187-09	1005187-09A6	07/13/10
08	BBG-GW07	1005187-10	1005187-10A6	07/13/10
09	EB1-052710	1005187-11	1005187-11A6	07/13/10
10	BBG-GW04	1005187-12	1005187-12A6	07/13/10
11	BBG-GW03UCH	1005187-13	1005187-13A6	07/13/10
12	EB2-052710	1005187-15	1005187-15A6	07/14/10
13	EB3-052710	1005187-16	1005187-16A6	07/14/10
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COMMENTS:

d. Internal Standard Area and RT Summary (Form VIII SV)

If more than a single form is necessary, forms shall be arranged in chronological order, by instrument.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab File ID (Standard): 0G10004-CCV1A66 Date Analyzed: 07/10/10

Instrument ID: 5972HP66 Time Analyzed: 0834

		IS1(CRY) AREA #	RT #	IS2(PRY) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	58816	18.70	31263	21.30	76954	5.10
	UPPER LIMIT	117632	19.20	62526	21.80	153908	5.60
	LOWER LIMIT	29408	18.20	15631	20.80	38477	4.60
	CLIENT SAMPLE NO.						
01	SBLKCY	65425	18.70	36125	21.31	79421	5.11
02	SCYLCS	54201	18.70	28876	21.31	83027	5.10
03	BBG-GW10	54785	18.70	26919	21.31	83041	5.11
04	FB-052510	48537	18.70	26227	21.31	83870	5.11
05	BBG-GW01	49529	18.70	26242	21.31	86715	5.11
06	EB1-052510	44359	18.70	22747	21.30	87766	5.11
07	BBG-GW03	57012	18.70	25751	21.31	87669	5.10
08	EB2-052510	40537	18.70	23508	21.31	83051	5.11
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18							
19							
20							

IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab File ID (Standard): 0G10004-CCV1A66 Date Analyzed: 07/10/10

Instrument ID: 5972HP66 Time Analyzed: 0834

		IS4(NPT) AREA	#	RT	#	IS5(ANT) AREA	#	RT	#	IS6(PHN) AREA	#	RT	#
	12 HOUR STD	207048		7.27		100908		10.64		152423		13.49	
	UPPER LIMIT	414096		7.77		201816		11.14		304846		13.99	
	LOWER LIMIT	103524		6.77		50454		10.14		76211		12.99	
	CLIENT SAMPLE NO.												
01	SBLKCY	209258		7.27		104281		10.64		147497		13.50	
02	SCYLCS	221335		7.27		109076		10.64		154999		13.50	
03	BBG-GW10	218926		7.27		103082		10.64		143341		13.50	
04	FB-052510	216072		7.27		104992		10.64		137676		13.50	
05	BBG-GW01	216187		7.27		104567		10.64		142476		13.50	
06	EB1-052510	224555		7.27		107034		10.64		136778		13.50	
07	BBG-GW03	226953		7.27		110891		10.64		144137		13.50	
08	EB2-052510	214891		7.27		101267		10.64		124750		13.50	
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20													

IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab File ID (Standard): 0G12001-CCV2A66 Date Analyzed: 07/12/10

Instrument ID: 5972HP66 Time Analyzed: 1204

		IS1(CRY) AREA #	RT #	IS2(PRY) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	77068	18.66	67390	21.26	87628	5.07
	UPPER LIMIT	154136	19.16	134780	21.76	175256	5.57
	LOWER LIMIT	38534	18.16	33695	20.76	43814	4.57
	CLIENT SAMPLE NO.						
01	SCYLCSD	77625	18.66	69689	21.26	93262	5.07
02							
03							
04							
05							
06							
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IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab File ID (Standard): 0G12001-CCV2A66 Date Analyzed: 07/12/10

Instrument ID: 5972HP66 Time Analyzed: 1204

		IS4(NPT) AREA	#	RT	#	IS5(ANT) AREA	#	RT	#	IS6(PHN) AREA	#	RT	#
	12 HOUR STD	233865		7.23		113954		10.61		164293		13.46	
	UPPER LIMIT	467730		7.73		227908		11.11		328586		13.96	
	LOWER LIMIT	116933		6.73		56977		10.11		82147		12.96	
	CLIENT SAMPLE NO.												
01	SCYLCSD	252562		7.24		118478		10.61		165303		13.46	
02													
03													
04													
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IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab File ID (Standard): 0G13005-CCV1A68 Date Analyzed: 07/13/10

Instrument ID: 5973HP68 Time Analyzed: 1115

		IS1(CRY) AREA #	IS1(CRY) RT #	IS2(PRY) AREA #	IS2(PRY) RT #	IS3(DCB) AREA #	IS3(DCB) RT #
	12 HOUR STD	384991	24.45	273994	27.56	214449	7.91
	UPPER LIMIT	769982	24.95	547988	28.06	428898	8.41
	LOWER LIMIT	192495	23.95	136997	27.06	107225	7.41
	CLIENT SAMPLE NO.						
01	SBLKDO	316476	24.44	240910	27.56	236175	7.91
02	SDOLCS	363672	24.44	276163	27.56	242788	7.91
03	BBG-GW02	378356	24.45	244268	27.56	248341	7.91
04	BBG-GW02MS	403029	24.44	286047	27.56	240352	7.91
05	BBG-GW02MSD	465441	24.44	295134	27.56	233431	7.91
06	BBG-GW09	405850	24.44	306016	27.56	263532	7.91
07	BBG-GW09D	367659	24.44	251064	27.56	249611	7.91
08	BBG-GW08	359483	24.44	250865	27.56	250937	7.91
09	BBG-GW07	367382	24.44	233661	27.56	245633	7.91
10	EB1-052710	353001	24.44	234399	27.56	247453	7.91
11	BBG-GW04	376737	24.44	277974	27.56	254397	7.91
12	BBG-GW03UCH	457273	24.44	340209	27.56	292394	7.91
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IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab File ID (Standard): 0G13005-CCV1A68 Date Analyzed: 07/13/10

Instrument ID: 5973HP68 Time Analyzed: 1115

		IS4(NPT) AREA #	RT #	IS5(ANT) AREA #	RT #	IS6(PHN) AREA #	RT #
	12 HOUR STD	726253	10.73	353296	14.81	552474	18.21
	UPPER LIMIT	1452506	11.23	706592	15.31	1104948	18.71
	LOWER LIMIT	363127	10.23	176648	14.31	276237	17.71
	CLIENT SAMPLE NO.						
01	SBLKDO	792271	10.73	373916	14.81	566892	18.21
02	SDOLCS	809920	10.73	390197	14.81	592015	18.21
03	BBG-GW02	834553	10.73	398580	14.81	607876	18.21
04	BBG-GW02MS	806240	10.73	387312	14.81	598848	18.21
05	BBG-GW02MSD	791930	10.73	380722	14.81	589820	18.21
06	BBG-GW09	884334	10.73	420959	14.81	656348	18.21
07	BBG-GW09D	835634	10.73	397672	14.81	602413	18.21
08	BBG-GW08	837603	10.73	401441	14.81	610431	18.21
09	BBG-GW07	823654	10.73	389409	14.81	580839	18.21
10	EB1-052710	835838	10.73	396408	14.81	612399	18.21
11	BBG-GW04	848066	10.73	400640	14.81	613889	18.21
12	BBG-GW03UCH	967853	10.73	463681	14.81	705829	18.21
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IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab File ID (Standard): 0G14007-CCV1A68 Date Analyzed: 07/14/10

Instrument ID: 5973HP68 Time Analyzed: 1103

		IS1(CRY) AREA #	RT #	IS2(PRY) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	459613	24.44	301669	27.56	260490	7.91
	UPPER LIMIT	919226	24.94	603338	28.06	520980	8.41
	LOWER LIMIT	229807	23.94	150835	27.06	130245	7.41
	CLIENT SAMPLE NO.						
01	EB2-052710	293887	24.44	185026	27.56	233570	7.91
02	EB3-052710	364252	24.44	236175	27.56	252306	7.91
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1 (CRY) = Chrysene-d12
IS2 (PRY) = Perylene-d12
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Lab File ID (Standard): 0G14007-CCV1A68 Date Analyzed: 07/14/10

Instrument ID: 5973HP68 Time Analyzed: 1103

		IS4(NPT) AREA	#	RT	#	IS5(ANT) AREA	#	RT	#	IS6(PHN) AREA	#	RT	#
	12 HOUR STD	875416		10.73		416909		14.81		639999		18.21	
	UPPER LIMIT	1750832		11.23		833818		15.31		1279998		18.71	
	LOWER LIMIT	437708		10.23		208455		14.31		319999		17.71	
	CLIENT SAMPLE NO.												
01	EB2-052710	777060		10.73		369194		14.81		546523		18.21	
02	EB3-052710	838305		10.73		405692		14.81		607063		18.21	
03													
04													
05													
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

IS4 (NPT) = Naphthalene-d8
IS5 (ANT) = Acenaphthene-d10
IS6 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

2. Sample Data

Sample data shall be arranged in packets with the Organic Analysis Data Sheet (Form I SV), followed by the raw data for semivolatile samples. These sample packets shall be placed in increasing Client Sample ID number order, considering both letters and numbers.

a. Target Analyte Results (Form I SV)

Tabulated results (identification and quantitation) shall be included.

b. Chromatograms

Include for each sample or sample extract, including dilutions and reanalyses. The chromatogram shall contain the following header information: Client Sample ID number, date and time of analysis, GC/MS instrument identifier, lab file identifier, and analyst ID.

c. Quantitation Report showing calculations for target analytes

- Include a printout of the Enhanced Ion Current Profile (EICP) for all manual changes to the compounds, internal standard, and/or surrogate compound.

d. Copies of raw spectra and copies of background-subtracted mass spectra of target analytes identified in the sample.

- The spectra shall include the following information: Client Sample ID number, Lab file ID, date and time of analysis, and instrument ID.
- The compound name must be clearly marked.

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: BBG-GW01

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/25/10

Lab Sample ID: 1005187-03
Sample wt/vol: 900 (g/mL) ML
Level: (low/med) LOW

Date Received: 05/25/10
Lab File ID: 1005187-03A66
Analyst: RKM

% Moisture: _____ decanted: (Y/N)___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052635-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/10/10
Dilution Factor: 1.0

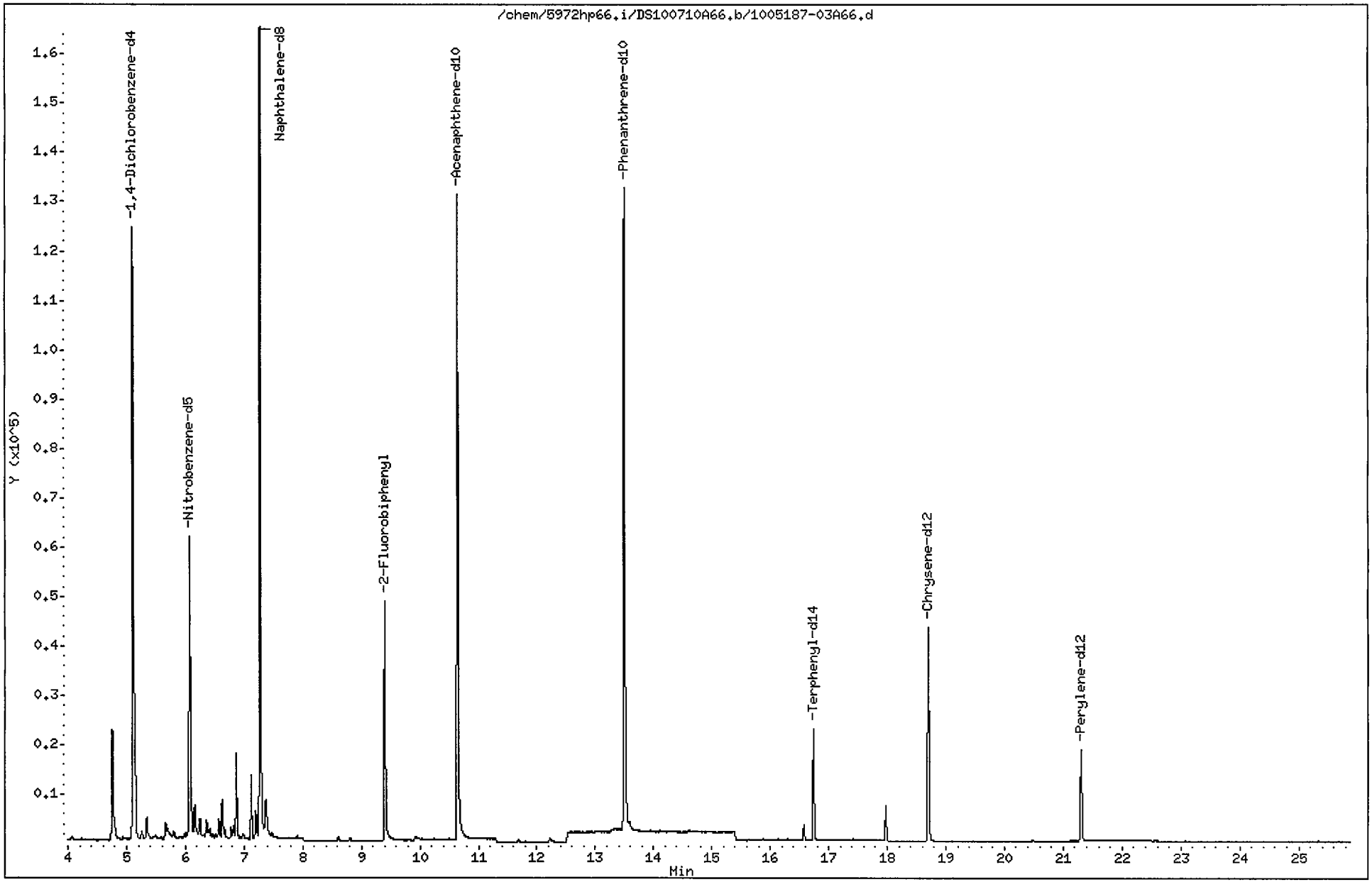
CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.033	0.22	ND	U
91-57-6	2-Methylnaphthalene	0.017	0.22	ND	U
208-96-8	Acenaphthylene	0.011	0.22	ND	U
83-32-9	Acenaphthene	0.039	0.22	ND	U
86-73-7	Fluorene	0.050	0.22	ND	U
85-01-8	Phenanthrene	0.039	0.22	ND	U
120-12-7	Anthracene	0.022	0.22	ND	U
206-44-0	Fluoranthene	0.011	0.22	ND	U
129-00-0	Pyrene	0.011	0.22	ND	U
56-55-3	Benzo(a)anthracene	0.022	0.22	ND	U
218-01-9	Chrysene	0.017	0.22	ND	U
205-99-2	Benzo(b)fluoranthene	0.011	0.22	ND	U
207-08-9	Benzo(k)fluoranthene	0.011	0.22	ND	U
50-32-8	Benzo(a)pyrene	0.011	0.22	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.011	0.22	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.011	0.22	ND	U
191-24-2	Benzo(g,h,i)perylene	0.011	0.22	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp66.i/DS100710A66.b/1005187-03A66.d
Date : 10-JUL-2010 12:09
Client ID: BBG-GW01
Sample Info: 1005187-03:RKM
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: RKM
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100710A66.b/1005187-03A66.d
Report Date: 13-Jul-2010 11:10

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100710A66.b/1005187-03A66.d
Lab Smp Id: 1005187-03 Client Smp ID: BBG-GW01
Inj Date : 10-JUL-2010 12:09
Operator : RKM Inst ID: 5972hp66.i
Smp Info : 1005187-03:RKM
Misc Info : BBG-GW01
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100710A66.b/SIM_8270Cv3DOD.m
Meth Date : 13-Jul-2010 10:56 byrd Quant Type: ISTD
Cal Date : 09-JUL-2010 16:49 Cal File: 0G09004-CAL5A66.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	900.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)	
* 1 1,4-Dichlorobenzene-d4	152	5.106	5.102	(1.000)	86715	2.00000		(a)
* 2 Naphthalene-d8	136	7.273	7.270	(1.000)	216187	2.00000		(a)
* 3 Acenaphthene-d10	164	10.641	10.640	(1.000)	104567	2.00000		(a)
* 4 Phenanthrene-d10	188	13.495	13.495	(1.000)	142476	2.00000		(a)
* 5 Chrysene-d12	240	18.698	18.698	(1.000)	49529	2.00000		(a)
* 6 Perylene-d12	264	21.306	21.302	(1.000)	26242	2.00000		(a)
$ 9 Nitrobenzene-d5	82	6.072	6.068	(0.835)	79420	0.70582	0.39	
$ 10 2-Fluorobiphenyl	172	9.399	9.399	(0.883)	56667	0.61512	0.34	
$ 12 Terphenyl-d14	244	16.739	16.743	(0.895)	22782	1.24942	0.69	
13 Naphthalene	128	Compound Not Detected.						
15 2-Methylnaphthalene	141	Compound Not Detected.						
17 Acenaphthylene	152	Compound Not Detected.						
18 Acenaphthene	154	Compound Not Detected.						
21 Fluorene	166	Compound Not Detected.						
25 Phenanthrene	178	Compound Not Detected.						

Data File: /chem/5972hp66.i/DS100710A66.b/1005187-03A66.d
Report Date: 13-Jul-2010 11:10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: BBG-GW02

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/27/10

Lab Sample ID: 1005187-14
Sample wt/vol: 950 (g/mL) ML
Level: (low/med) LOW

Date Received: 05/27/10
Lab File ID: 1005187-14A68
Analyst: OWS

% Moisture: _____ decanted: (Y/N)___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052804-BLK1

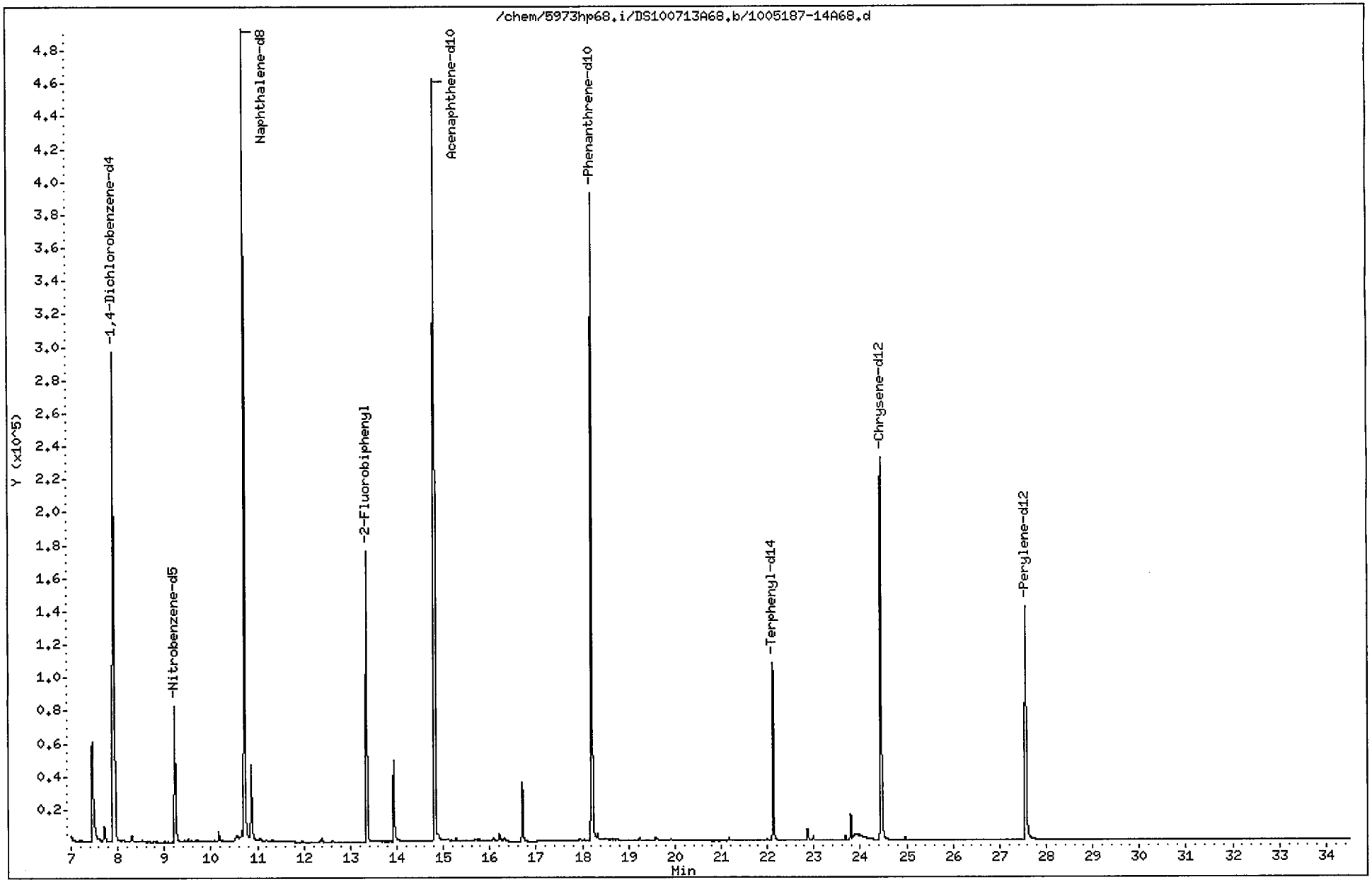
Date Extracted: 05/28/10
Date Analyzed: 07/13/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.032	0.21	ND	U
91-57-6	2-Methylnaphthalene	0.016	0.21	ND	U
208-96-8	Acenaphthylene	0.011	0.21	ND	U
83-32-9	Acenaphthene	0.037	0.21	ND	U
86-73-7	Fluorene	0.047	0.21	ND	U
85-01-8	Phenanthrene	0.037	0.21	ND	U
120-12-7	Anthracene	0.021	0.21	ND	U
206-44-0	Fluoranthene	0.011	0.21	ND	U
129-00-0	Pyrene	0.011	0.21	ND	U
56-55-3	Benzo(a)anthracene	0.021	0.21	ND	U
218-01-9	Chrysene	0.016	0.21	ND	U
205-99-2	Benzo(b)fluoranthene	0.011	0.21	ND	U
207-08-9	Benzo(k)fluoranthene	0.011	0.21	ND	U
50-32-8	Benzo(a)pyrene	0.011	0.21	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.011	0.21	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.011	0.21	ND	U
191-24-2	Benzo(g,h,i)perylene	0.011	0.21	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5973hp68.i/DS100713A68.b/1005187-14A68.d
Date : 13-JUL-2010 15:41
Client ID: BBG-GW02
Instrument: 5973hp68.i
Sample Info: 1005187-14:OWS
Volume Injected (uL): 2.0
Operator: OWS
Column phase: Rtx-5MS
Column diameter: 0.32



Data File: /chem/5973hp68.i/DS100713A68.b/1005187-14A68.d
Report Date: 14-Jul-2010 15:28

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5973hp68.i/DS100713A68.b/1005187-14A68.d
Lab Smp Id: 1005187-14 Client Smp ID: BBG-GW02
Inj Date : 13-JUL-2010 15:41
Operator : OWS Inst ID: 5973hp68.i
Smp Info : 1005187-14:OWS
Misc Info : BBG-GW02
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5973hp68.i/DS100713A68.b/SIM_8270Cv3DOD.m
Meth Date : 14-Jul-2010 15:22 byrd Quant Type: ISTD
Cal Date : 12-JUL-2010 20:33 Cal File: 0G12007-CAL5A68.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	950.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	7.910	7.910	(1.000)	248341	2.00000	
* 2 Naphthalene-d8	136	10.728	10.729	(1.000)	834553	2.00000	
* 3 Acenaphthene-d10	164	14.813	14.813	(1.000)	398580	2.00000	
* 4 Phenanthrene-d10	188	18.214	18.214	(1.000)	607876	2.00000	
* 5 Chrysene-d12	240	24.448	24.448	(1.000)	378356	2.00000	
* 6 Perylene-d12	264	27.558	27.563	(1.000)	244268	2.00000	
$ 9 Nitrobenzene-d5	82	9.225	9.221	(0.860)	113879	0.74357	0.39
$ 10 2-Fluorobiphenyl	172	13.353	13.354	(0.901)	202382	0.72295	0.38
$ 12 Terphenyl-d14	244	22.125	22.125	(0.905)	150551	0.86372	0.45
13 Naphthalene	128	Compound Not Detected.					
15 2-Methylnaphthalene	141	Compound Not Detected.					
17 Acenaphthylene	152	Compound Not Detected.					
18 Acenaphthene	154	Compound Not Detected.					
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					

Data File: /chem/5973hp68.i/DS100713A68.b/1005187-14A68.d
Report Date: 14-Jul-2010 15:28

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: BBG-GW03

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/25/10

Lab Sample ID: 1005187-05
Sample wt/vol: 1000 (g/mL) ML
Level: (low/med) LOW

Date Received: 05/25/10
Lab File ID: 1005187-05A66
Analyst: RKM

% Moisture: _____ decanted: (Y/N)___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052635-BLK1

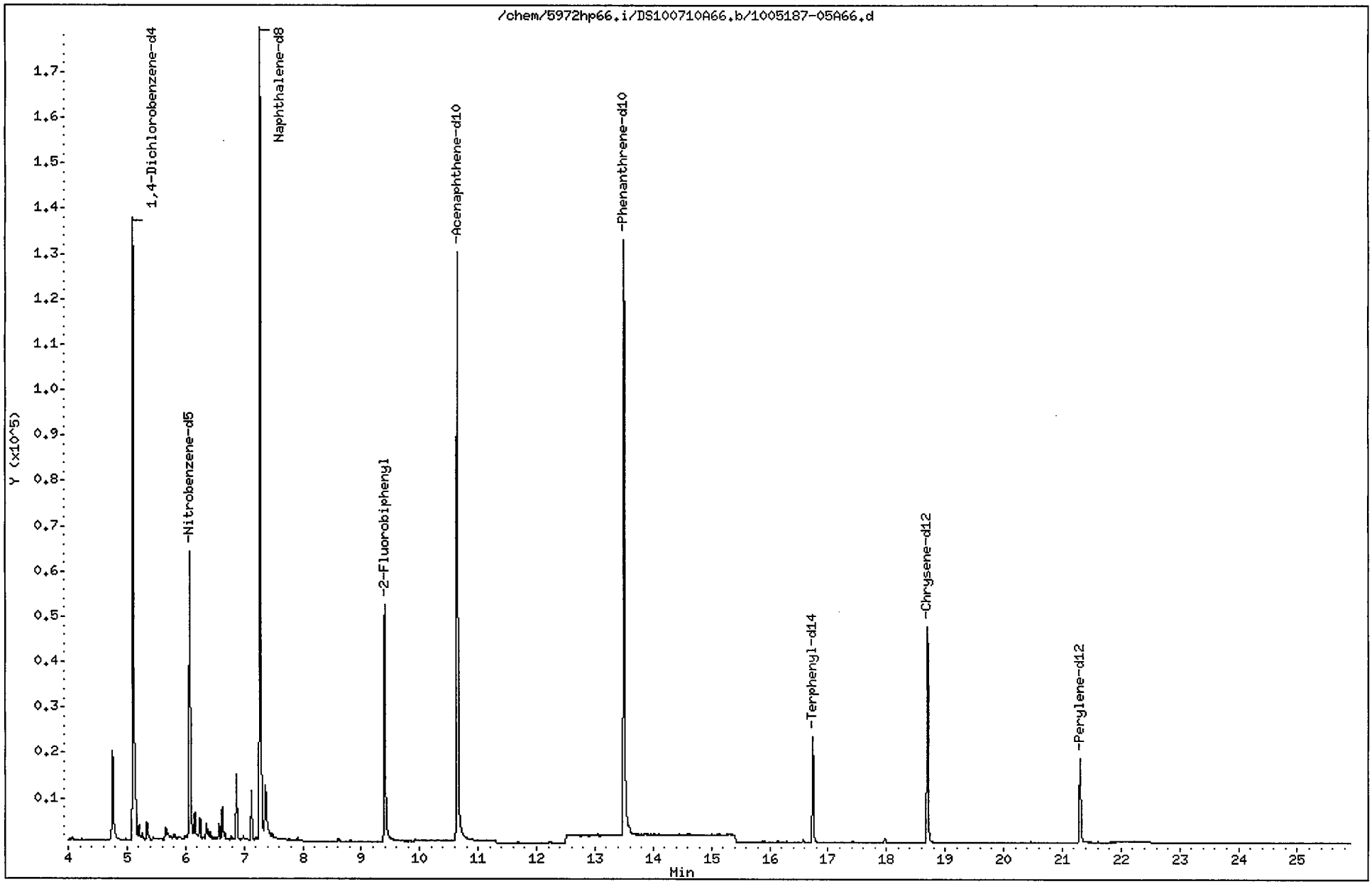
Date Extracted: 05/26/10
Date Analyzed: 07/10/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.030	0.20	ND	U
91-57-6	2-Methylnaphthalene	0.015	0.20	ND	U
208-96-8	Acenaphthylene	0.0100	0.20	0.014	J
83-32-9	Acenaphthene	0.035	0.20	ND	U
86-73-7	Fluorene	0.045	0.20	ND	U
85-01-8	Phenanthrene	0.035	0.20	ND	U
120-12-7	Anthracene	0.020	0.20	ND	U
206-44-0	Fluoranthene	0.0100	0.20	ND	U
129-00-0	Pyrene	0.0100	0.20	ND	U
56-55-3	Benzo(a)anthracene	0.020	0.20	ND	U
218-01-9	Chrysene	0.015	0.20	ND	U
205-99-2	Benzo(b)fluoranthene	0.0100	0.20	ND	U
207-08-9	Benzo(k)fluoranthene	0.0100	0.20	ND	U
50-32-8	Benzo(a)pyrene	0.0100	0.20	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.0100	0.20	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.0100	0.20	ND	U
191-24-2	Benzo(g,h,i)perylene	0.0100	0.20	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp66.i/DS100710A66.b/1005187-05A66.d
Date : 10-JUL-2010 13:17
Client ID: BBG-GW03
Sample Info: 1005187-05:RKM
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: RKM
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100710A66.b/1005187-05A66.d
Report Date: 13-Jul-2010 11:10

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100710A66.b/1005187-05A66.d
Lab Smp Id: 1005187-05 Client Smp ID: BBG-GW03
Inj Date : 10-JUL-2010 13:17
Operator : RKM Inst ID: 5972hp66.i
Smp Info : 1005187-05:RKM
Misc Info : BBG-GW03
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100710A66.b/SIM_8270Cv3DOD.m
Meth Date : 13-Jul-2010 10:56 byrd Quant Type: ISTD
Cal Date : 09-JUL-2010 16:49 Cal File: 0G09004-CAL5A66.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	5.104	5.102	(1.000)	87669	2.00000	
* 2 Naphthalene-d8	136	7.274	7.270	(1.000)	226953	2.00000	
* 3 Acenaphthene-d10	164	10.641	10.640	(1.000)	110891	2.00000	
* 4 Phenanthrene-d10	188	13.495	13.495	(1.000)	144137	2.00000	(M)
* 5 Chrysene-d12	240	18.701	18.698	(1.000)	57012	2.00000	
* 6 Perylene-d12	264	21.306	21.302	(1.000)	25751	2.00000	
$ 9 Nitrobenzene-d5	82	6.070	6.068	(0.835)	79639	0.67419	0.34
$ 10 2-Fluorobiphenyl	172	9.402	9.399	(0.884)	64374	0.65893	0.33
$ 12 Terphenyl-d14	244	16.739	16.743	(0.895)	24233	1.15456	0.58
13 Naphthalene	128	Compound Not Detected.					
15 2-Methylnaphthalene	141	Compound Not Detected.					
17 Acenaphthylene	152	9.924	10.328	(0.933)	3413	0.02761	0.014(a)
18 Acenaphthene	154	Compound Not Detected.					
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					

1 of 9/13/10

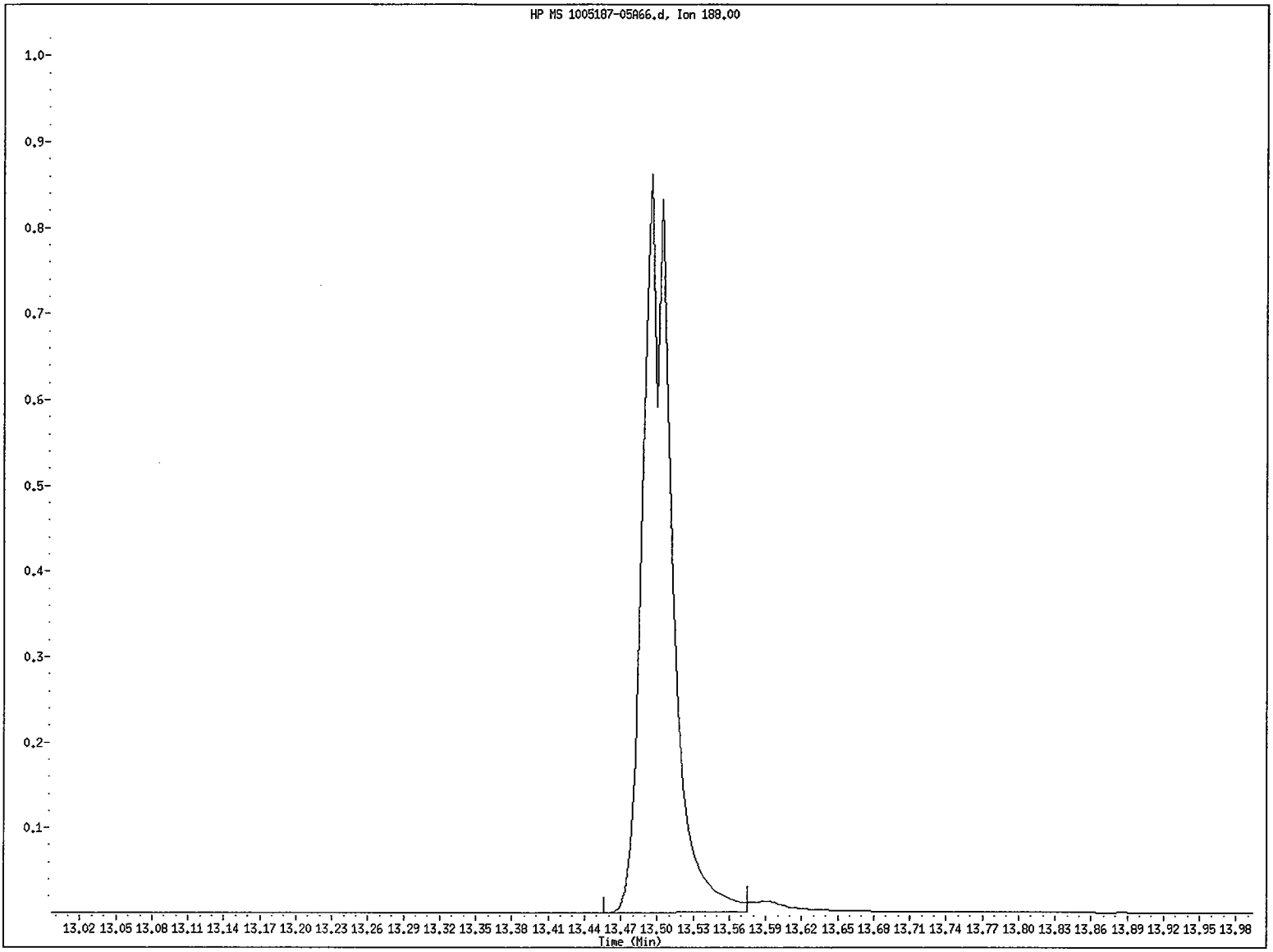
Data File: /chem/5972hp66.i/DS100710A66.b/1005187-05A66.d
Report Date: 13-Jul-2010 11:10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Phenanthrene-d10 CAS Number 1517-22-2 Area = 144137 Manually integrated



File name: /chem/5972hp66.i/DS100710A66.b/1005187-05A66.d
Client ID: BBG-GW03
Instrument ID: 5972hp66.i
Injection Date and Time: 10-JUL-2010 13:17
Retention Time: 13.50
Operator ID: RKM

Data File: /chem/5972hp66.i/DS100710A66.b/1005187-05A66.d

Date : 10-JUL-2010 13:17

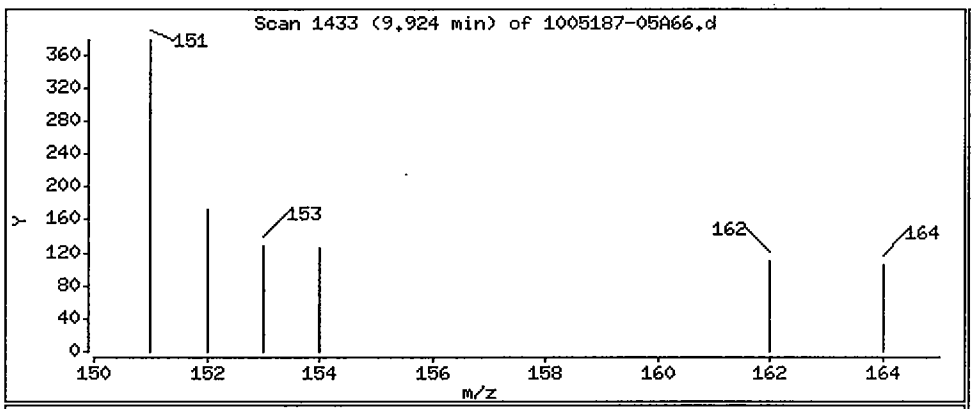
Client ID: BBG-GW03 Instrument: 5972hp66.i

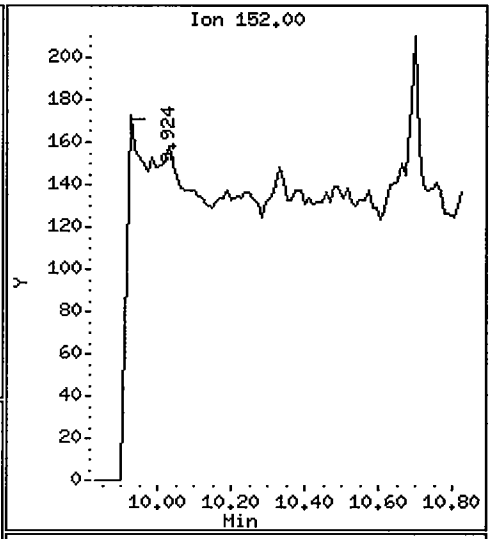
Sample Info: 1005187-05:RKM

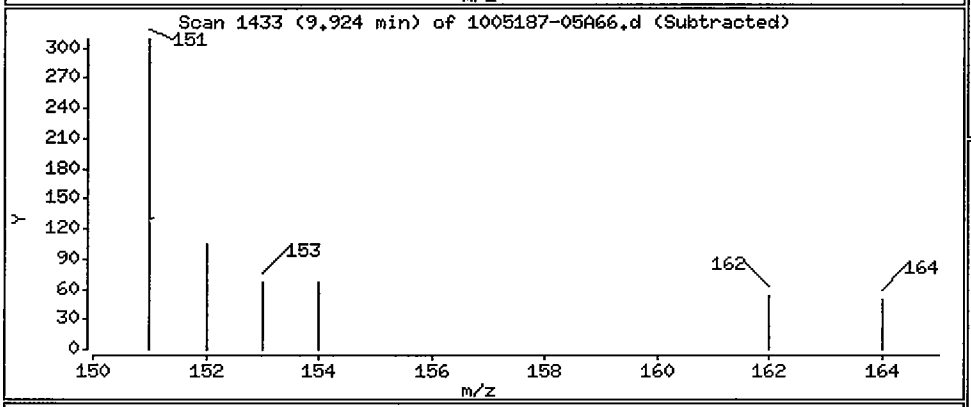
Volume Injected (uL): 2.0 Operator: RKM

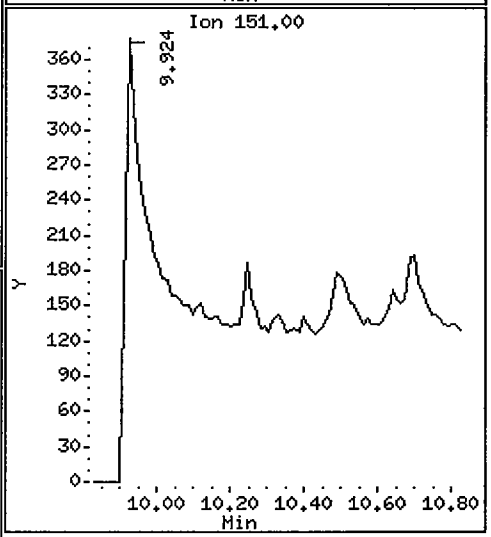
Column phase: Rtx-5MS Column diameter: 0.32

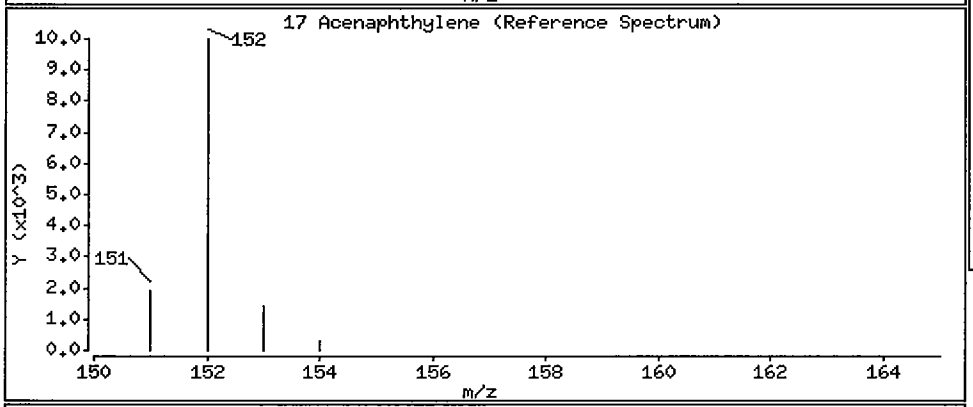
17 Acenaphthylene Concentration: 0.014 ug/L

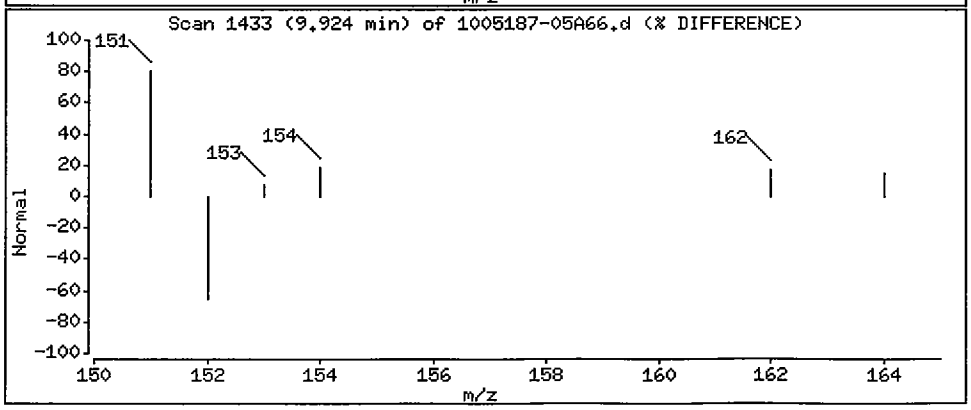












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: BBG-GW03UCH

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/27/10

Lab Sample ID: 1005187-13
Sample wt/vol: 925 (g/mL) ML
Level: (low/med) LOW

Date Received: 05/27/10
Lab File ID: 1005187-13A68
Analyst: OWS

% Moisture: _____ decanted: (Y/N)___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052804-BLK1

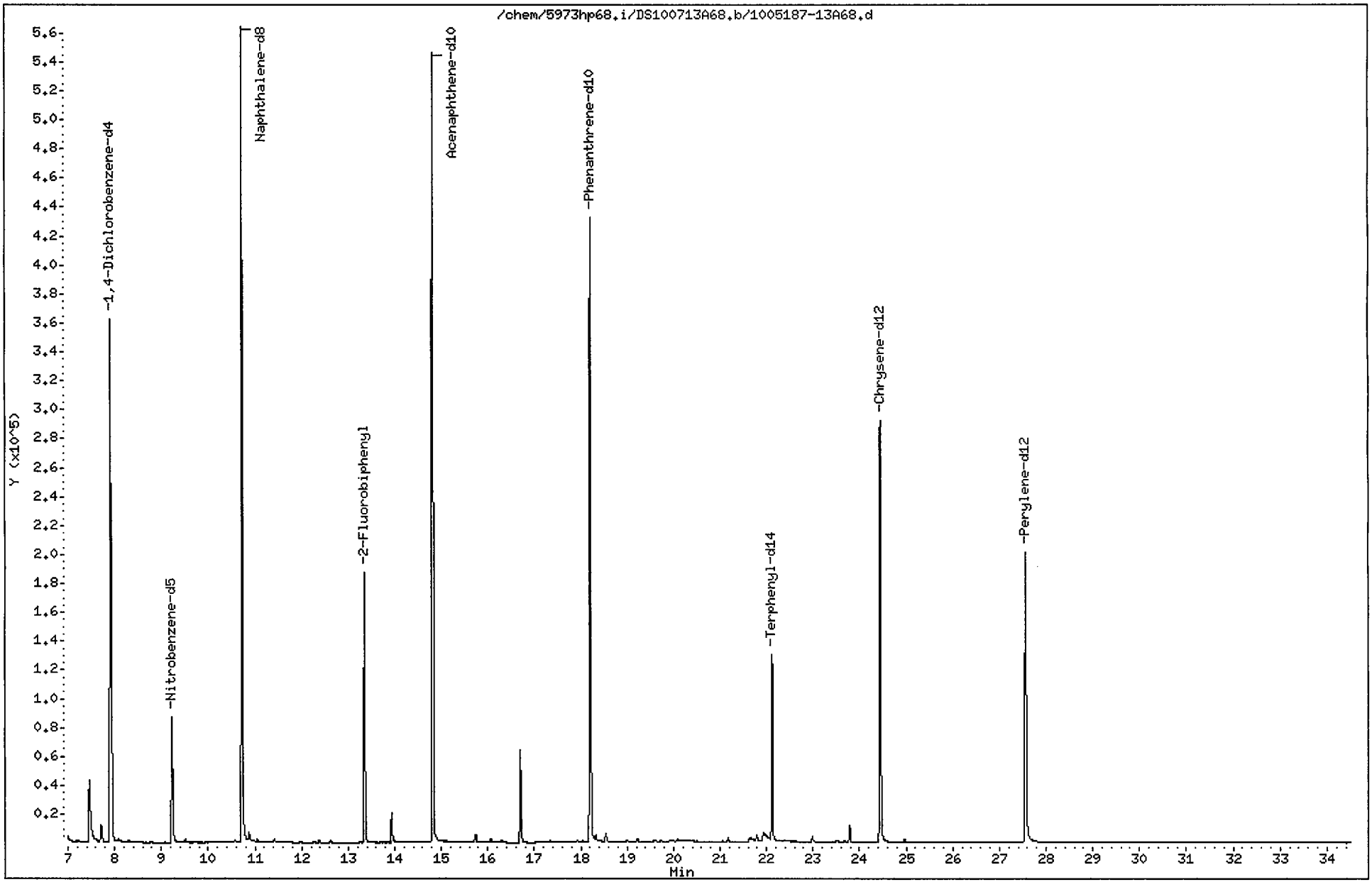
Date Extracted: 05/28/10
Date Analyzed: 07/13/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.032	0.22	ND	U
91-57-6	2-Methylnaphthalene	0.016	0.22	ND	U
208-96-8	Acenaphthylene	0.011	0.22	ND	U
83-32-9	Acenaphthene	0.038	0.22	ND	U
86-73-7	Fluorene	0.049	0.22	ND	U
85-01-8	Phenanthrene	0.038	0.22	ND	U
120-12-7	Anthracene	0.022	0.22	ND	U
206-44-0	Fluoranthene	0.011	0.22	ND	U
129-00-0	Pyrene	0.011	0.22	ND	U
56-55-3	Benzo(a)anthracene	0.022	0.22	ND	U
218-01-9	Chrysene	0.016	0.22	ND	U
205-99-2	Benzo(b)fluoranthene	0.011	0.22	ND	U
207-08-9	Benzo(k)fluoranthene	0.011	0.22	ND	U
50-32-8	Benzo(a)pyrene	0.011	0.22	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.011	0.22	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.011	0.22	ND	U
191-24-2	Benzo(g,h,i)perylene	0.011	0.22	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5973hp68.i/DS100713A68.b/1005187-13A68.d
Date : 13-JUL-2010 22:19
Client ID: BBG-GW03UCH
Instrument: 5973hp68.i
Sample Info: 1005187-13:OWS
Volume Injected (uL): 2.0
Operator: OWS
Column phase: Rtx-5MS
Column diameter: 0.32



Data File: /chem/5973hp68.i/DS100713A68.b/1005187-13A68.d
Report Date: 14-Jul-2010 15:28

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5973hp68.i/DS100713A68.b/1005187-13A68.d
Lab Smp Id: 1005187-13 Client Smp ID: BBG-GW03UCH
Inj Date : 13-JUL-2010 22:19
Operator : OWS Inst ID: 5973hp68.i
Smp Info : 1005187-13:OWS
Misc Info : BBG-GW03UCH
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5973hp68.i/DS100713A68.b/SIM_8270Cv3DOD.m
Meth Date : 14-Jul-2010 15:22 byrd Quant Type: ISTD
Cal Date : 12-JUL-2010 20:33 Cal File: 0G12007-CAL5A68.d
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	925.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	7.910	7.910	(1.000)	292394	2.00000	
* 2 Naphthalene-d8	136	10.728	10.729	(1.000)	967853	2.00000	
* 3 Acenaphthene-d10	164	14.813	14.813	(1.000)	463681	2.00000	
* 4 Phenanthrene-d10	188	18.214	18.214	(1.000)	705829	2.00000	
* 5 Chrysene-d12	240	24.444	24.448	(1.000)	457273	2.00000	
* 6 Perylene-d12	264	27.558	27.563	(1.000)	340209	2.00000	
$ 9 Nitrobenzene-d5	82	9.225	9.221	(0.860)	117168	0.65968	0.36
$ 10 2-Fluorobiphenyl	172	13.353	13.354	(0.901)	218063	0.66959	0.36
$ 12 Terphenyl-d14	244	22.125	22.125	(0.905)	173599	0.82406	0.45
13 Naphthalene	128	Compound Not Detected.					
15 2-Methylnaphthalene	141	Compound Not Detected.					
17 Acenaphthylene	152	Compound Not Detected.					
18 Acenaphthene	154	Compound Not Detected.					
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					

07/14/10

Data File: /chem/5973hp68.i/DS100713A68.b/1005187-13A68.d
Report Date: 14-Jul-2010 15:28

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: BBG-GW04

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/27/10

Lab Sample ID: 1005187-12
Sample wt/vol: 500 (g/mL) ML
Level: (low/med) LOW

Date Received: 05/27/10
Lab File ID: 1005187-12A68
Analyst: OWS

% Moisture: _____ decanted: (Y/N)___
Concentrated Extract Volume: 500(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052804-BLK1

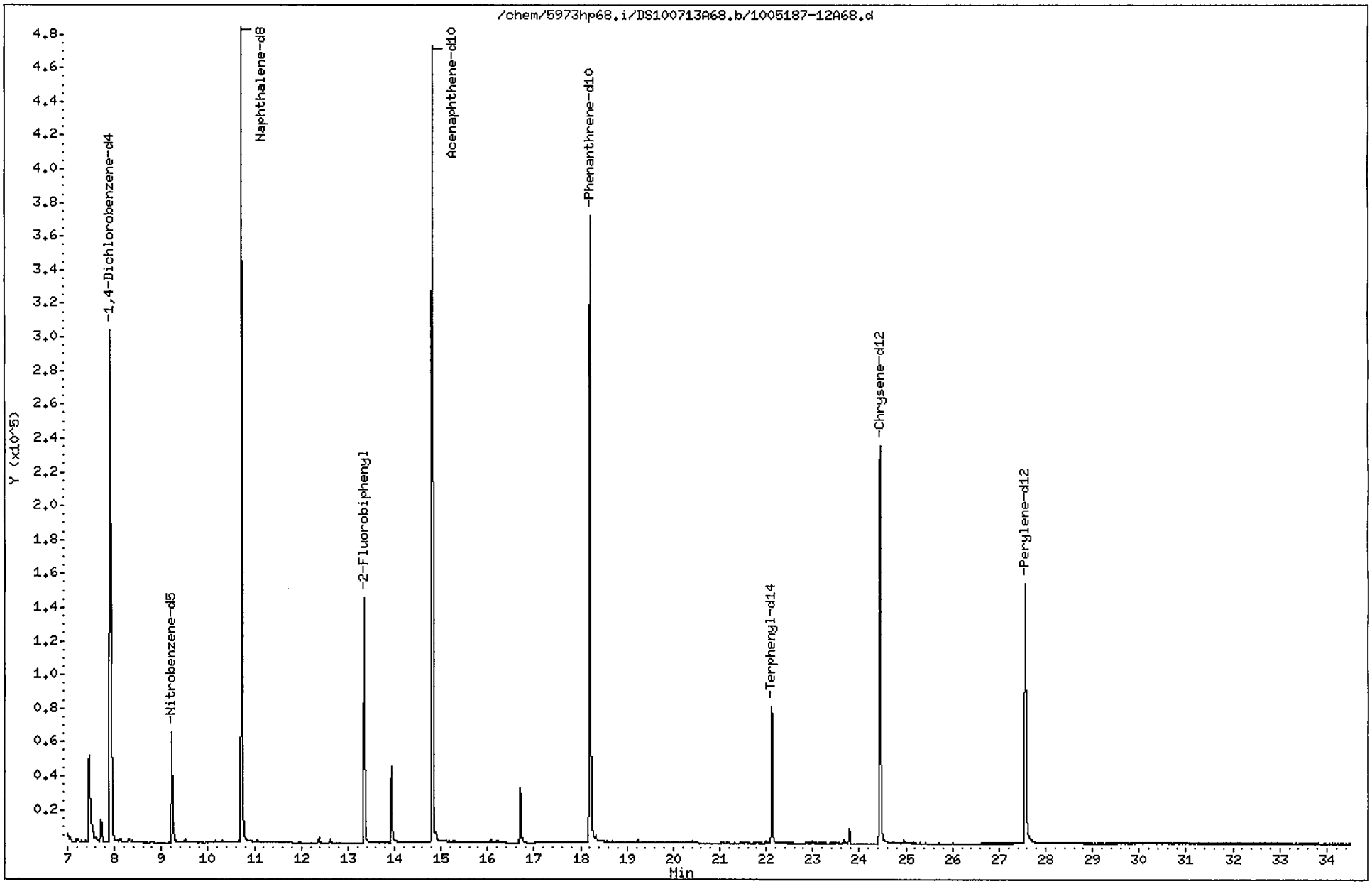
Date Extracted: 05/28/10
Date Analyzed: 07/13/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.030	0.20	ND	U
91-57-6	2-Methylnaphthalene	0.015	0.20	ND	U
208-96-8	Acenaphthylene	0.0100	0.20	ND	U
83-32-9	Acenaphthene	0.035	0.20	ND	U
86-73-7	Fluorene	0.045	0.20	ND	U
85-01-8	Phenanthrene	0.035	0.20	ND	U
120-12-7	Anthracene	0.020	0.20	ND	U
206-44-0	Fluoranthene	0.0100	0.20	ND	U
129-00-0	Pyrene	0.0100	0.20	ND	U
56-55-3	Benzo(a)anthracene	0.020	0.20	ND	U
218-01-9	Chrysene	0.015	0.20	ND	U
205-99-2	Benzo(b)fluoranthene	0.0100	0.20	ND	U
207-08-9	Benzo(k)fluoranthene	0.0100	0.20	ND	U
50-32-8	Benzo(a)pyrene	0.0100	0.20	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.0100	0.20	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.0100	0.20	ND	U
191-24-2	Benzo(g,h,i)perylene	0.0100	0.20	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5973hp68.i/DS100713A68.b/1005187-12A68.d
Date : 13-JUL-2010 21:35
Client ID: BBG-GW04
Instrument: 5973hp68.i
Sample Info: 1005187-12:OWS
Volume Injected (uL): 2.0
Operator: OWS
Column phase: Rtx-5MS
Column diameter: 0.32



Data File: /chem/5973hp68.i/DS100713A68.b/1005187-12A68.d
Report Date: 14-Jul-2010 15:28

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5973hp68.i/DS100713A68.b/1005187-12A68.d
Lab Smp Id: 1005187-12 Client Smp ID: BBG-GW04
Inj Date : 13-JUL-2010 21:35
Operator : OWS Inst ID: 5973hp68.i
Smp Info : 1005187-12:OWS
Misc Info : BBG-GW04
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5973hp68.i/DS100713A68.b/SIM_8270Cv3DOD.m
Meth Date : 14-Jul-2010 15:22 byrd Quant Type: ISTD
Cal Date : 12-JUL-2010 20:33 Cal File: 0G12007-CAL5A68.d
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Vo	500.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	7.910	7.910	(1.000)	254397	2.00000	
* 2 Naphthalene-d8	136	10.728	10.729	(1.000)	848066	2.00000	
* 3 Acenaphthene-d10	164	14.813	14.813	(1.000)	400640	2.00000	
* 4 Phenanthrene-d10	188	18.214	18.214	(1.000)	613889	2.00000	
* 5 Chrysene-d12	240	24.444	24.448	(1.000)	376737	2.00000	
* 6 Perylene-d12	264	27.558	27.563	(1.000)	277974	2.00000	
$ 9 Nitrobenzene-d5	82	9.227	9.221	(0.860)	92892	0.59687	0.30
$ 10 2-Fluorobiphenyl	172	13.353	13.354	(0.901)	166639	0.59220	0.30
$ 12 Terphenyl-d14	244	22.125	22.125	(0.905)	113319	0.65291	0.33
13 Naphthalene	128	Compound Not Detected.					
15 2-Methylnaphthalene	141	Compound Not Detected.					
17 Acenaphthylene	152	Compound Not Detected.					
18 Acenaphthene	154	Compound Not Detected.					
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					

07/14/10

Data File: /chem/5973hp68.i/DS100713A68.b/1005187-12A68.d
Report Date: 14-Jul-2010 15:28

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: BBG-GW07

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/27/10

Lab Sample ID: 1005187-10
Sample wt/vol: 1000 (g/mL) ML
Level: (low/med) LOW

Date Received: 05/27/10
Lab File ID: 1005187-10A68
Analyst: OWS

% Moisture: _____ decanted: (Y/N)___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052804-BLK1

Date Extracted: 05/28/10
Date Analyzed: 07/13/10
Dilution Factor: 1.0

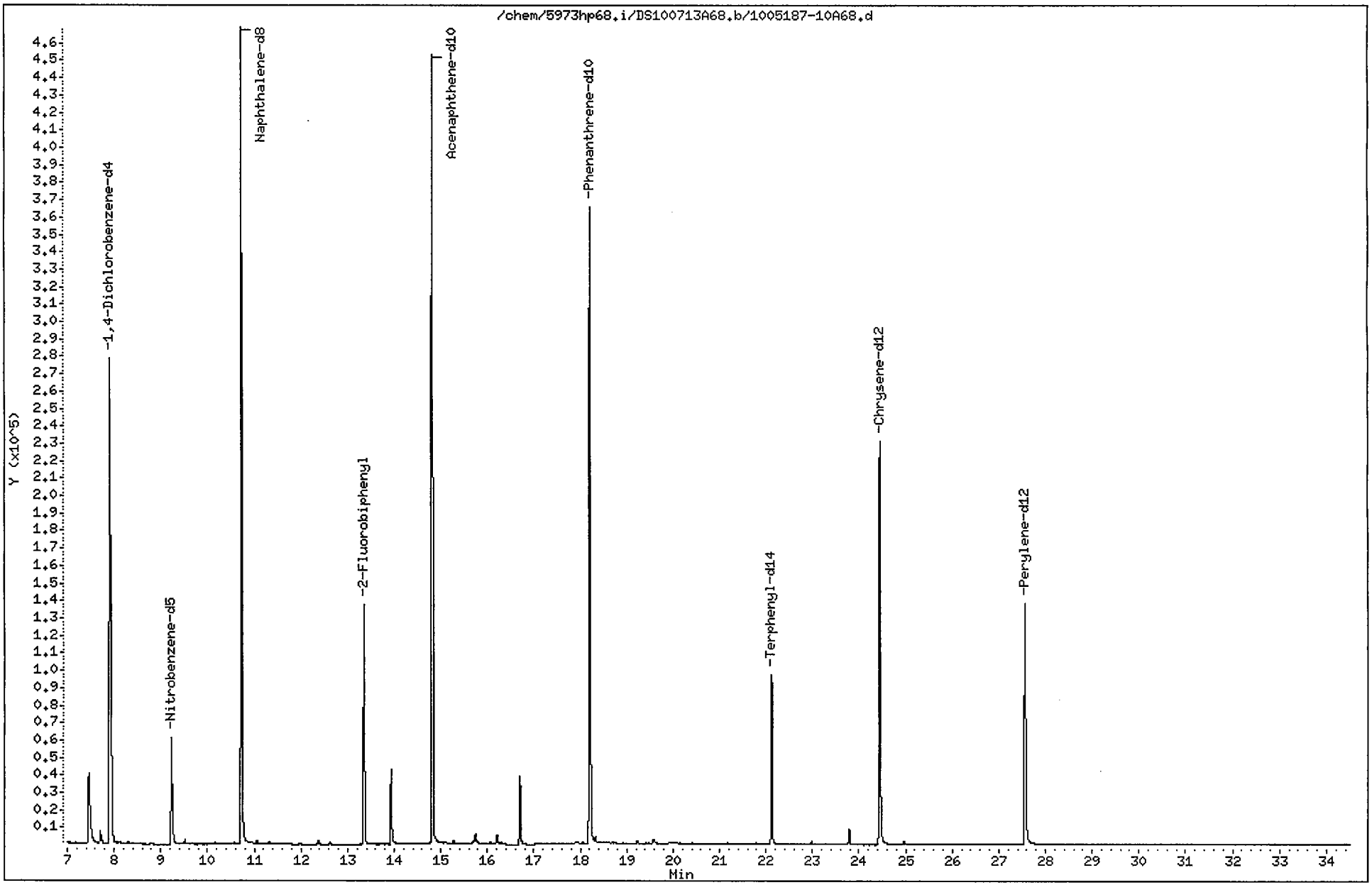
CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.030	0.20	ND	U
91-57-6	2-Methylnaphthalene	0.015	0.20	ND	U
208-96-8	Acenaphthylene	0.0100	0.20	ND	U
83-32-9	Acenaphthene	0.035	0.20	ND	U
86-73-7	Fluorene	0.045	0.20	ND	U
85-01-8	Phenanthrene	0.035	0.20	ND	U
120-12-7	Anthracene	0.020	0.20	ND	U
206-44-0	Fluoranthene	0.0100	0.20	ND	U
129-00-0	Pyrene	0.0100	0.20	ND	U
56-55-3	Benzo(a)anthracene	0.020	0.20	ND	U
218-01-9	Chrysene	0.015	0.20	ND	U
205-99-2	Benzo(b)fluoranthene	0.0100	0.20	ND	U
207-08-9	Benzo(k)fluoranthene	0.0100	0.20	ND	U
50-32-8	Benzo(a)pyrene	0.0100	0.20	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.0100	0.20	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.0100	0.20	ND	U
191-24-2	Benzo(g,h,i)perylene	0.0100	0.20	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5973hp68.i/DS100713A68.b/1005187-10A68.d
Date : 13-JUL-2010 20:07
Client ID: BBG-GW07
Sample Info: 1005187-10:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5973hp68.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5973hp68.i/DS100713A68.b/1005187-10A68.d
Report Date: 14-Jul-2010 15:28

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5973hp68.i/DS100713A68.b/1005187-10A68.d
Lab Smp Id: 1005187-10 Client Smp ID: BBG-GW07
Inj Date : 13-JUL-2010 20:07
Operator : OWS Inst ID: 5973hp68.i
Smp Info : 1005187-10:OWS
Misc Info : BBG-GW07
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5973hp68.i/DS100713A68.b/SIM_8270Cv3DOD.m
Meth Date : 14-Jul-2010 15:22 byrd Quant Type: ISTD
Cal Date : 12-JUL-2010 20:33 Cal File: 0G12007-CAL5A68.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
*	1 1,4-Dichlorobenzene-d4	152	7.910	7.910	(1.000)	245633	2.00000	
*	2 Naphthalene-d8	136	10.728	10.729	(1.000)	823654	2.00000	
*	3 Acenaphthene-d10	164	14.813	14.813	(1.000)	389409	2.00000	
*	4 Phenanthrene-d10	188	18.214	18.214	(1.000)	580839	2.00000	
*	5 Chrysene-d12	240	24.444	24.448	(1.000)	367382	2.00000	
*	6 Perylene-d12	264	27.558	27.563	(1.000)	233661	2.00000	
$	9 Nitrobenzene-d5	82	9.227	9.221	(0.860)	88348	0.58450	0.29
$	10 2-Fluorobiphenyl	172	13.353	13.354	(0.901)	158768	0.58051	0.29
$	12 Terphenyl-d14	244	22.125	22.125	(0.905)	132791	0.78458	0.39
	13 Naphthalene	128	Compound Not Detected.					
	15 2-Methylnaphthalene	141	Compound Not Detected.					
	17 Acenaphthylene	152	Compound Not Detected.					
	18 Acenaphthene	154	Compound Not Detected.					
	21 Fluorene	166	Compound Not Detected.					
	25 Phenanthrene	178	Compound Not Detected.					

8/4/10

Data File: /chem/5973hp68.i/DS100713A68.b/1005187-10A68.d
Report Date: 14-Jul-2010 15:28

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: BBG-GW08

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/26/10

Lab Sample ID: 1005187-09
Sample wt/vol: 950 (g/mL) ML
Level: (low/med) LOW

Date Received: 05/26/10
Lab File ID: 1005187-09A68
Analyst: OWS

% Moisture: _____ decanted: (Y/N)___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052804-BLK1

Date Extracted: 05/28/10
Date Analyzed: 07/13/10
Dilution Factor: 1.0

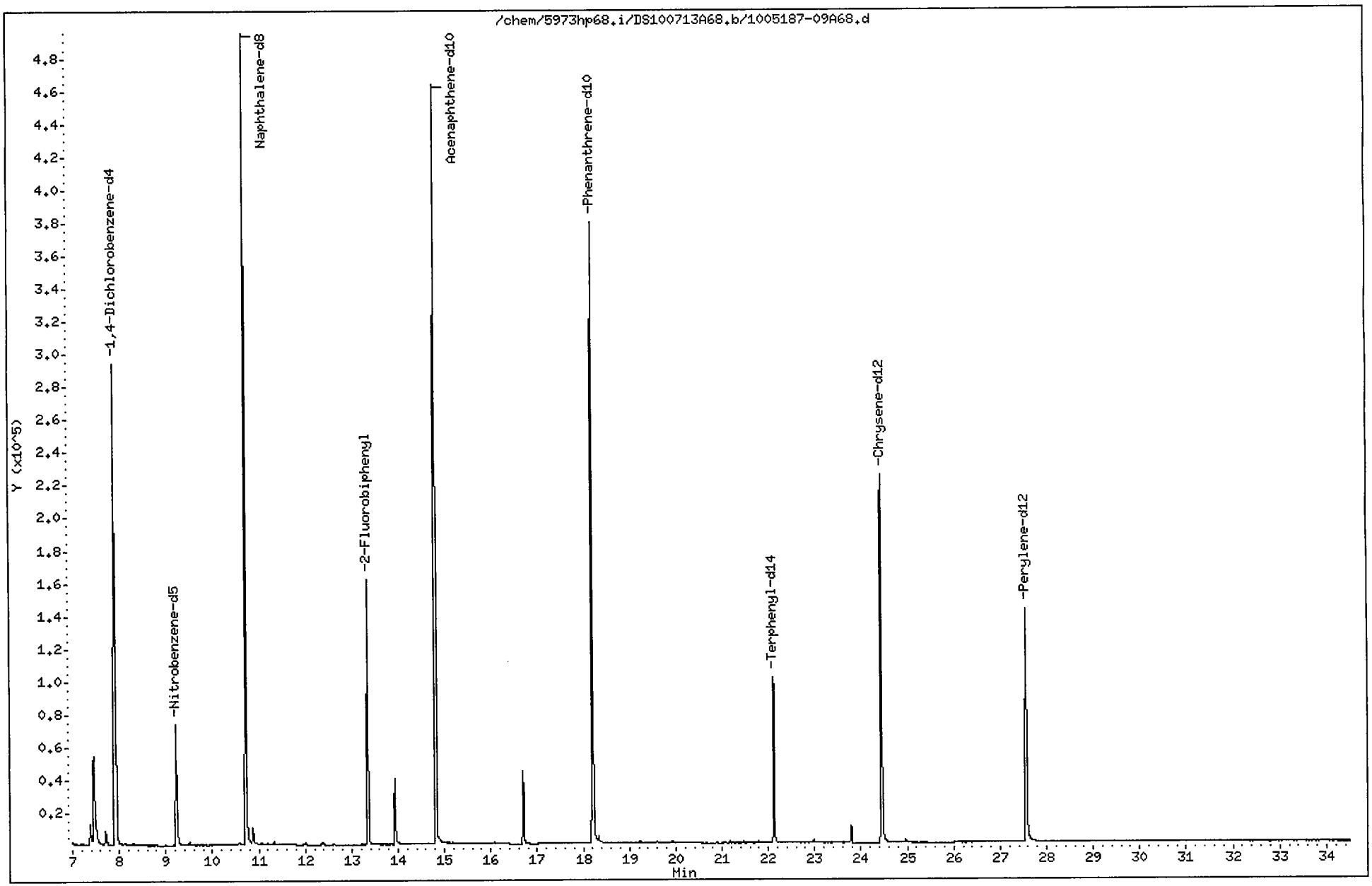
CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.032	0.21	ND	U
91-57-6	2-Methylnaphthalene	0.016	0.21	ND	U
208-96-8	Acenaphthylene	0.011	0.21	ND	U
83-32-9	Acenaphthene	0.037	0.21	ND	U
86-73-7	Fluorene	0.047	0.21	ND	U
85-01-8	Phenanthrene	0.037	0.21	ND	U
120-12-7	Anthracene	0.021	0.21	ND	U
206-44-0	Fluoranthene	0.011	0.21	ND	U
129-00-0	Pyrene	0.011	0.21	ND	U
56-55-3	Benzo(a)anthracene	0.021	0.21	ND	U
218-01-9	Chrysene	0.016	0.21	ND	U
205-99-2	Benzo(b)fluoranthene	0.011	0.21	ND	U
207-08-9	Benzo(k)fluoranthene	0.011	0.21	ND	U
50-32-8	Benzo(a)pyrene	0.011	0.21	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.011	0.21	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.011	0.21	ND	U
191-24-2	Benzo(g,h,i)perylene	0.011	0.21	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5973hp68.i/DS100713A68.b/1005187-09A68.d
Date : 13-JUL-2010 19:23
Client ID: BBG-GW08
Sample Info: 1005187-09:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5973hp68.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5973hp68.i/DS100713A68.b/1005187-09A68.d
Report Date: 14-Jul-2010 15:28

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5973hp68.i/DS100713A68.b/1005187-09A68.d
Lab Smp Id: 1005187-09 Client Smp ID: BBG-GW08
Inj Date : 13-JUL-2010 19:23
Operator : OWS Inst ID: 5973hp68.i
Smp Info : 1005187-09:OWS
Misc Info : BBG-GW08
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5973hp68.i/DS100713A68.b/SIM_8270Cv3DOD.m
Meth Date : 14-Jul-2010 15:22 byrd Quant Type: ISTD
Cal Date : 12-JUL-2010 20:33 Cal File: 0G12007-CAL5A68.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	950.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	7.910	7.910	(1.000)	250937	2.00000	
* 2 Naphthalene-d8	136	10.728	10.729	(1.000)	837603	2.00000	
* 3 Acenaphthene-d10	164	14.813	14.813	(1.000)	401441	2.00000	
* 4 Phenanthrene-d10	188	18.214	18.214	(1.000)	610431	2.00000	
* 5 Chrysene-d12	240	24.444	24.448	(1.000)	359483	2.00000	
* 6 Perylene-d12	264	27.558	27.563	(1.000)	250865	2.00000	
$ 9 Nitrobenzene-d5	82	9.225	9.221	(0.860)	103242	0.67166	0.35
$ 10 2-Fluorobiphenyl	172	13.353	13.354	(0.901)	180920	0.64167	0.34
$ 12 Terphenyl-d14	244	22.125	22.125	(0.905)	140796	0.85016	0.45
13 Naphthalene	128	Compound Not Detected.					
15 2-Methylnaphthalene	141	Compound Not Detected.					
17 Acenaphthylene	152	Compound Not Detected.					
18 Acenaphthene	154	Compound Not Detected.					
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					

07/14/10

Data File: /chem/5973hp68.i/DS100713A68.b/1005187-09A68.d
Report Date: 14-Jul-2010 15:28

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: BBG-GW09

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/26/10

Lab Sample ID: 1005187-07
Sample wt/vol: 925 (g/mL) ML
Level: (low/med) LOW

Date Received: 05/26/10
Lab File ID: 1005187-07A68
Analyst: OWS

% Moisture: _____ decanted: (Y/N)___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052804-BLK1

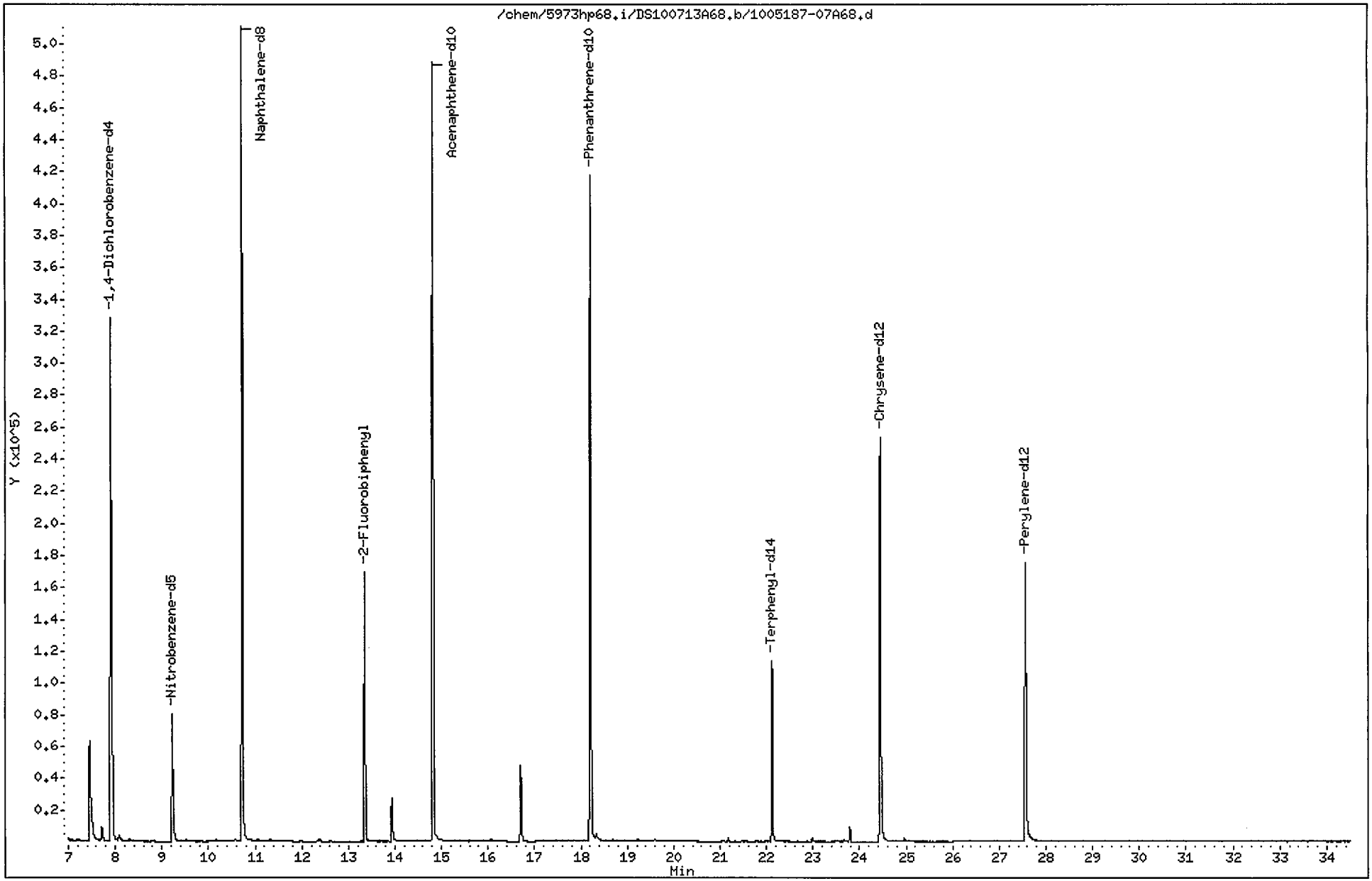
Date Extracted: 05/28/10
Date Analyzed: 07/13/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.032	0.22	ND	U
91-57-6	2-Methylnaphthalene	0.016	0.22	ND	U
208-96-8	Acenaphthylene	0.011	0.22	ND	U
83-32-9	Acenaphthene	0.038	0.22	ND	U
86-73-7	Fluorene	0.049	0.22	ND	U
85-01-8	Phenanthrene	0.038	0.22	ND	U
120-12-7	Anthracene	0.022	0.22	ND	U
206-44-0	Fluoranthene	0.011	0.22	ND	U
129-00-0	Pyrene	0.011	0.22	ND	U
56-55-3	Benzo(a)anthracene	0.022	0.22	ND	U
218-01-9	Chrysene	0.016	0.22	ND	U
205-99-2	Benzo(b)fluoranthene	0.011	0.22	ND	U
207-08-9	Benzo(k)fluoranthene	0.011	0.22	ND	U
50-32-8	Benzo(a)pyrene	0.011	0.22	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.011	0.22	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.011	0.22	ND	U
191-24-2	Benzo(g,h,i)perylene	0.011	0.22	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5973hp68.i/DS100713A68.b/1005187-07A68.d
Date : 13-JUL-2010 17:54
Client ID: BBG-GW09
Instrument: 5973hp68.i
Sample Info: 1005187-07:OWS
Volume Injected (uL): 2.0
Operator: OWS
Column phase: Rtx-5MS
Column diameter: 0.32



Data File: /chem/5973hp68.i/DS100713A68.b/1005187-07A68.d
Report Date: 14-Jul-2010 15:28

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5973hp68.i/DS100713A68.b/1005187-07A68.d
Lab Smp Id: 1005187-07 Client Smp ID: BBG-GW09
Inj Date : 13-JUL-2010 17:54
Operator : OWS Inst ID: 5973hp68.i
Smp Info : 1005187-07:OWS
Misc Info : BBG-GW09
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5973hp68.i/DS100713A68.b/SIM_8270Cv3DOD.m
Meth Date : 14-Jul-2010 15:22 byrd Quant Type: ISTD
Cal Date : 12-JUL-2010 20:33 Cal File: 0G12007-CAL5A68.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	925.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	7.910	7.910	(1.000)	263532	2.00000	
* 2 Naphthalene-d8	136	10.728	10.729	(1.000)	884334	2.00000	
* 3 Acenaphthene-d10	164	14.813	14.813	(1.000)	420959	2.00000	
* 4 Phenanthrene-d10	188	18.214	18.214	(1.000)	656348	2.00000	
* 5 Chrysene-d12	240	24.444	24.448	(1.000)	405850	2.00000	
* 6 Perylene-d12	264	27.563	27.563	(1.000)	306016	2.00000	
$ 9 Nitrobenzene-d5	82	9.225	9.221	(0.860)	110292	0.67961	0.37
$ 10 2-Fluorobiphenyl	172	13.353	13.354	(0.901)	194608	0.65822	0.36
$ 12 Terphenyl-d14	244	22.125	22.125	(0.905)	156224	0.83555	0.45
13 Naphthalene	128	Compound Not Detected.					
15 2-Methylnaphthalene	141	Compound Not Detected.					
17 Acenaphthylene	152	Compound Not Detected.					
18 Acenaphthene	154	Compound Not Detected.					
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					

07/14/10

Data File: /chem/5973hp68.i/DS100713A68.b/1005187-07A68.d
Report Date: 14-Jul-2010 15:28

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: BBG-GW09D

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/26/10

Lab Sample ID: 1005187-08
Sample wt/vol: 950 (g/mL) ML
Level: (low/med) LOW

Date Received: 05/26/10
Lab File ID: 1005187-08A68
Analyst: OWS

% Moisture: _____ decanted: (Y/N)___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052804-BLK1

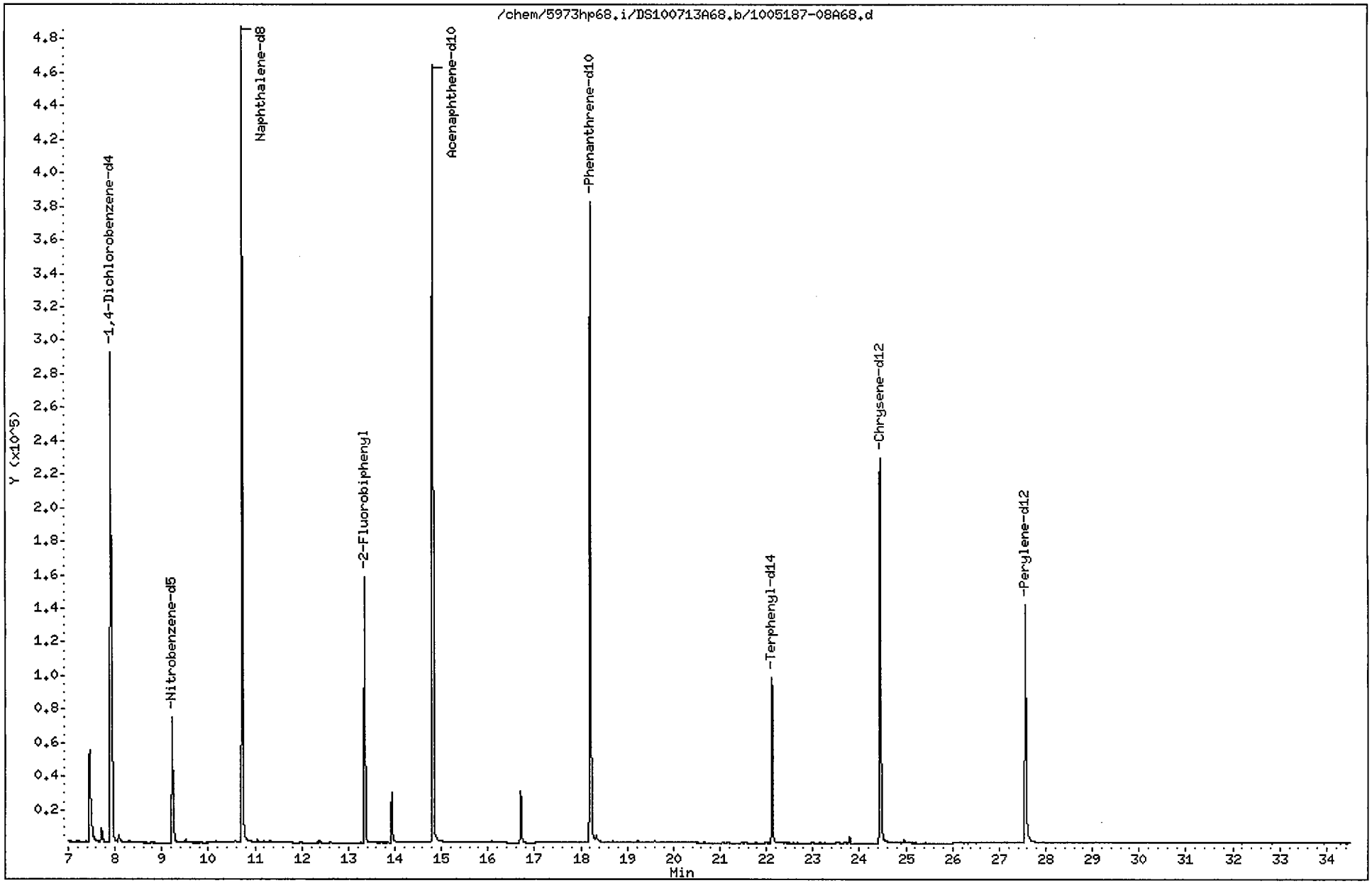
Date Extracted: 05/28/10
Date Analyzed: 07/13/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.032	0.21	ND	U
91-57-6	2-Methylnaphthalene	0.016	0.21	ND	U
208-96-8	Acenaphthylene	0.011	0.21	ND	U
83-32-9	Acenaphthene	0.037	0.21	ND	U
86-73-7	Fluorene	0.047	0.21	ND	U
85-01-8	Phenanthrene	0.037	0.21	ND	U
120-12-7	Anthracene	0.021	0.21	ND	U
206-44-0	Fluoranthene	0.011	0.21	ND	U
129-00-0	Pyrene	0.011	0.21	ND	U
56-55-3	Benzo(a)anthracene	0.021	0.21	ND	U
218-01-9	Chrysene	0.016	0.21	ND	U
205-99-2	Benzo(b)fluoranthene	0.011	0.21	ND	U
207-08-9	Benzo(k)fluoranthene	0.011	0.21	ND	U
50-32-8	Benzo(a)pyrene	0.011	0.21	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.011	0.21	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.011	0.21	ND	U
191-24-2	Benzo(g,h,i)perylene	0.011	0.21	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5973hp68.i/DS100713A68.b/1005187-08A68.d
Date : 13-JUL-2010 18:39
Client ID: BBG-GW09D
Instrument: 5973hp68.i
Sample Info: 1005187-08:OWS
Volume Injected (uL): 2.0
Operator: OWS
Column phase: Rtx-5MS
Column diameter: 0.32



Data File: /chem/5973hp68.i/DS100713A68.b/1005187-08A68.d
Report Date: 14-Jul-2010 15:28

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5973hp68.i/DS100713A68.b/1005187-08A68.d
Lab Smp Id: 1005187-08 Client Smp ID: BBG-GW09D
Inj Date : 13-JUL-2010 18:39
Operator : OWS Inst ID: 5973hp68.i
Smp Info : 1005187-08:OWS
Misc Info : BBG-GW09D
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5973hp68.i/DS100713A68.b/SIM_8270Cv3DOD.m
Meth Date : 14-Jul-2010 15:22 byrd Quant Type: ISTD
Cal Date : 12-JUL-2010 20:33 Cal File: 0G12007-CAL5A68.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	950.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
*	1 1,4-Dichlorobenzene-d4	152	7.910	7.910	(1.000)	249611	2.00000	
*	2 Naphthalene-d8	136	10.729	10.729	(1.000)	835634	2.00000	
*	3 Acenaphthene-d10	164	14.813	14.813	(1.000)	397672	2.00000	
*	4 Phenanthrene-d10	188	18.214	18.214	(1.000)	602413	2.00000	
*	5 Chrysene-d12	240	24.444	24.448	(1.000)	367659	2.00000	
*	6 Perylene-d12	264	27.558	27.563	(1.000)	251064	2.00000	
$	9 Nitrobenzene-d5	82	9.225	9.221	(0.860)	104524	0.68161	0.36
$	10 2-Fluorobiphenyl	172	13.354	13.354	(0.901)	182477	0.65333	0.34
$	12 Terphenyl-d14	244	22.125	22.125	(0.905)	138386	0.81702	0.43
	13 Naphthalene	128	Compound Not Detected.					
	15 2-Methylnaphthalene	141	Compound Not Detected.					
	17 Acenaphthylene	152	Compound Not Detected.					
	18 Acenaphthene	154	Compound Not Detected.					
	21 Fluorene	166	Compound Not Detected.					
	25 Phenanthrene	178	Compound Not Detected.					

7/14/10

Data File: /chem/5973hp68.i/DS100713A68.b/1005187-08A68.d
Report Date: 14-Jul-2010 15:28

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: BBG-GW10

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/24/10

Lab Sample ID: 1005187-01
Sample wt/vol: 1000 (g/mL) ML
Level: (low/med) LOW

Date Received: 05/24/10
Lab File ID: 1005187-01A66
Analyst: RKM

% Moisture: _____ decanted: (Y/N) ___
Concentrated Extract Volume: 1000 (uL)
Injection Volume: 2.0 (uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052635-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/10/10
Dilution Factor: 1.0

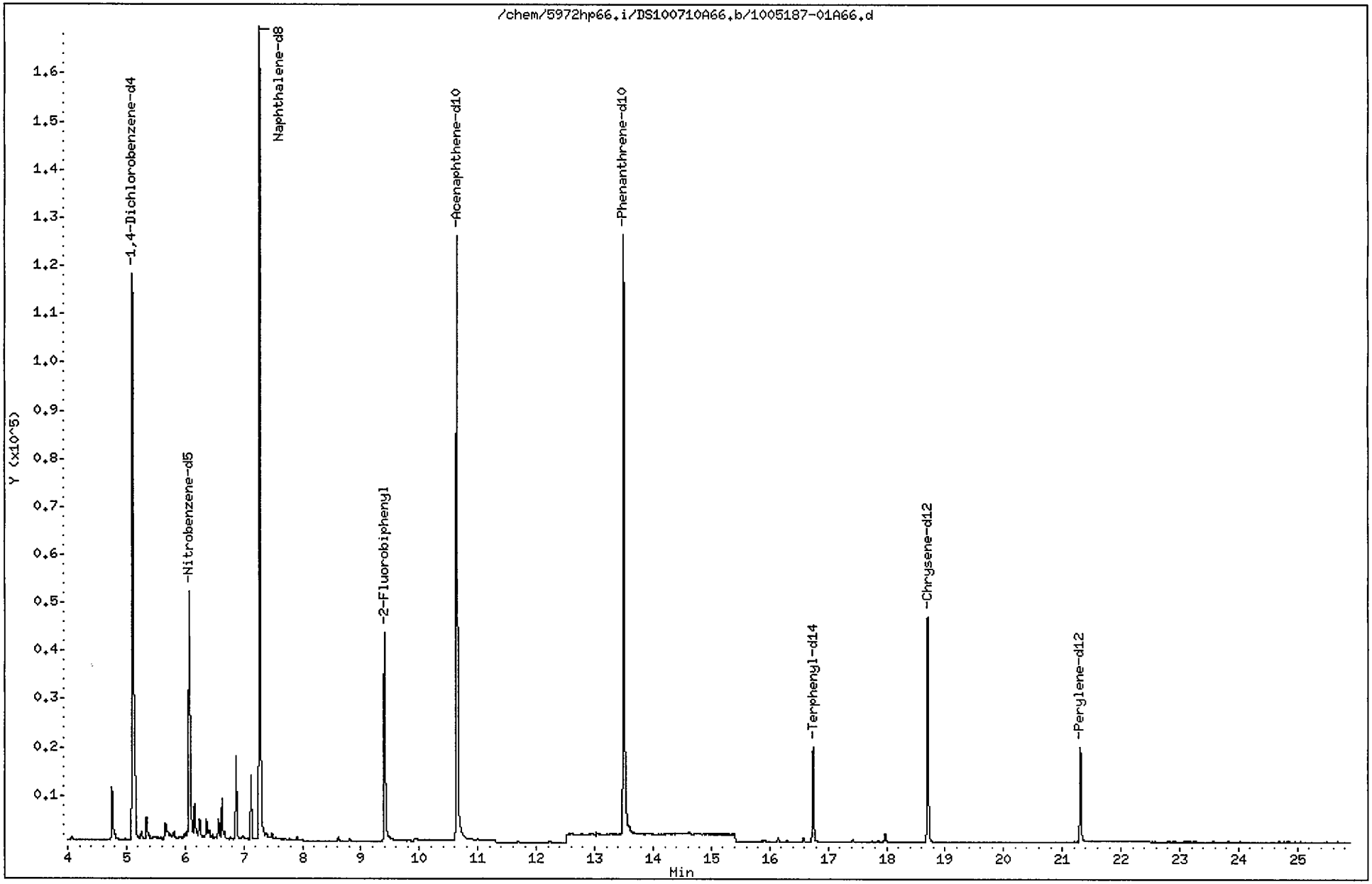
CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.030	0.20	ND	U
91-57-6	2-Methylnaphthalene	0.015	0.20	ND	U
208-96-8	Acenaphthylene	0.0100	0.20	ND	U
83-32-9	Acenaphthene	0.035	0.20	ND	U
86-73-7	Fluorene	0.045	0.20	ND	U
85-01-8	Phenanthrene	0.035	0.20	ND	U
120-12-7	Anthracene	0.020	0.20	ND	U
206-44-0	Fluoranthene	0.0100	0.20	ND	U
129-00-0	Pyrene	0.0100	0.20	ND	U
56-55-3	Benzo(a)anthracene	0.020	0.20	ND	U
218-01-9	Chrysene	0.015	0.20	ND	U
205-99-2	Benzo(b)fluoranthene	0.0100	0.20	ND	U
207-08-9	Benzo(k)fluoranthene	0.0100	0.20	ND	U
50-32-8	Benzo(a)pyrene	0.0100	0.20	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.0100	0.20	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.0100	0.20	ND	U
191-24-2	Benzo(g,h,i)perylene	0.0100	0.20	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp66.i/DS100710A66.b/1005187-01A66.d
Date : 10-JUL-2010 11:00
Client ID: BBG-GW10
Sample Info: 1005187-01:RKM
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: RKM
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100710A66.b/1005187-01A66.d
Report Date: 13-Jul-2010 11:10

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100710A66.b/1005187-01A66.d
Lab Smp Id: 1005187-01 Client Smp ID: BBG-GW10
Inj Date : 10-JUL-2010 11:00
Operator : RKM Inst ID: 5972hp66.i
Smp Info : 1005187-01:RKM
Misc Info : BBG-GW10
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100710A66.b/SIM_8270Cv3DOD.m
Meth Date : 13-Jul-2010 10:56 byrd Quant Type: ISTD
Cal Date : 09-JUL-2010 16:49 Cal File: 0G09004-CAL5A66.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	5.105	5.102	(1.000)	83041	2.00000	
* 2 Naphthalene-d8	136	7.273	7.270	(1.000)	218926	2.00000	
* 3 Acenaphthene-d10	164	10.641	10.640	(1.000)	103082	2.00000	
* 4 Phenanthrene-d10	188	13.499	13.495	(1.000)	143341	2.00000	
* 5 Chrysene-d12	240	18.703	18.698	(1.000)	54785	2.00000	
* 6 Perylene-d12	264	21.306	21.302	(1.000)	26919	2.00000	
$ 9 Nitrobenzene-d5	82	6.071	6.068	(0.835)	66955	0.58760	0.29
$ 10 2-Fluorobiphenyl	172	9.403	9.399	(0.884)	52291	0.57579	0.29
$ 12 Terphenyl-d14	244	16.742	16.743	(0.895)	20363	1.00962	0.50
13 Naphthalene	128	Compound Not Detected.					
15 2-Methylnaphthalene	141	Compound Not Detected.					
17 Acenaphthylene	152	Compound Not Detected.					
18 Acenaphthene	154	Compound Not Detected.					
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					

Data File: /chem/5972hp66.i/DS100710A66.b/1005187-01A66.d
Report Date: 13-Jul-2010 11:10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: EB1-052510

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/25/10

Lab Sample ID: 1005187-04
Sample wt/vol: 975 (g/mL) ML
Level: (low/med) LOW

Date Received: 05/25/10
Lab File ID: 1005187-04A66
Analyst: RKM

% Moisture: _____ decanted: (Y/N)___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052635-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/10/10
Dilution Factor: 1.0

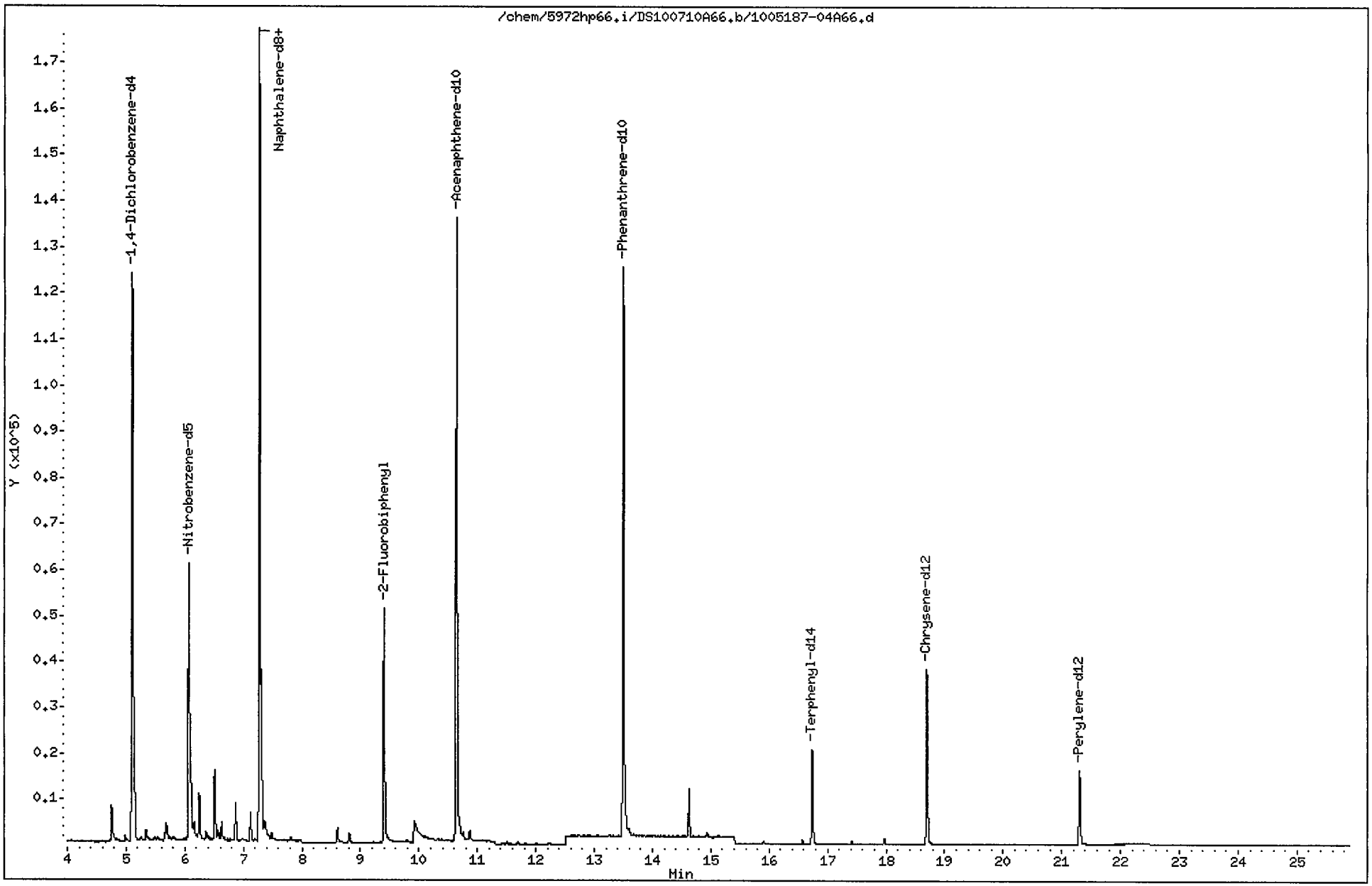
CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.031	0.21	0.13	J
91-57-6	2-Methylnaphthalene	0.015	0.21	0.017	J
208-96-8	Acenaphthylene	0.010	0.21	ND	U
83-32-9	Acenaphthene	0.036	0.21	ND	U
86-73-7	Fluorene	0.046	0.21	ND	U
85-01-8	Phenanthrene	0.036	0.21	ND	U
120-12-7	Anthracene	0.021	0.21	ND	U
206-44-0	Fluoranthene	0.010	0.21	ND	U
129-00-0	Pyrene	0.010	0.21	ND	U
56-55-3	Benzo(a)anthracene	0.021	0.21	ND	U
218-01-9	Chrysene	0.015	0.21	ND	U
205-99-2	Benzo(b)fluoranthene	0.010	0.21	ND	U
207-08-9	Benzo(k)fluoranthene	0.010	0.21	ND	U
50-32-8	Benzo(a)pyrene	0.010	0.21	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.010	0.21	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.010	0.21	ND	U
191-24-2	Benzo(g,h,i)perylene	0.010	0.21	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp66.i/DS100710A66.b/1005187-04A66.d
Date : 10-JUL-2010 12:43
Client ID: EB1-052510
Sample Info: 1005187-04:RKM
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: RKM
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100710A66.b/1005187-04A66.d
Report Date: 13-Jul-2010 11:10

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100710A66.b/1005187-04A66.d
Lab Smp Id: 1005187-04 Client Smp ID: EB1-052510
Inj Date : 10-JUL-2010 12:43
Operator : RKM Inst ID: 5972hp66.i
Smp Info : 1005187-04:RKM
Misc Info : EB1-052510
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100710A66.b/SIM_8270Cv3DOD.m
Meth Date : 13-Jul-2010 10:56 byrd Quant Type: ISTD
Cal Date : 09-JUL-2010 16:49 Cal File: 0G09004-CAL5A66.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	975.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)	
* 1 1,4-Dichlorobenzene-d4	152	5.105	5.102	(1.000)	87766	2.00000		(a)
* 2 Naphthalene-d8	136	7.274	7.270	(1.000)	224555	2.00000		(a)
* 3 Acenaphthene-d10	164	10.640	10.640	(1.000)	107034	2.00000		(a)
* 4 Phenanthrene-d10	188	13.499	13.495	(1.000)	136778	2.00000		(a)
* 5 Chrysene-d12	240	18.698	18.698	(1.000)	44359	2.00000		(a)
* 6 Perylene-d12	264	21.303	21.302	(1.000)	22747	2.00000		(a)
$ 9 Nitrobenzene-d5	82	6.071	6.068	(0.835)	73317	0.62730	0.32	
$ 10 2-Fluorobiphenyl	172	9.402	9.399	(0.884)	58430	0.61964	0.32	
$ 12 Terphenyl-d14	244	16.742	16.743	(0.895)	21785	1.33399	0.68	
13 Naphthalene	128	7.305	7.301	(1.004)	42697	0.24533	0.13	(a)
15 2-Methylnaphthalene	141	8.609	8.605	(1.183)	2379	0.03279	0.017	(aM)
17 Acenaphthylene	152	Compound Not Detected.						
18 Acenaphthene	154	Compound Not Detected.						
21 Fluorene	166	Compound Not Detected.						
25 Phenanthrene	178	Compound Not Detected.						

v BM 7/13/10

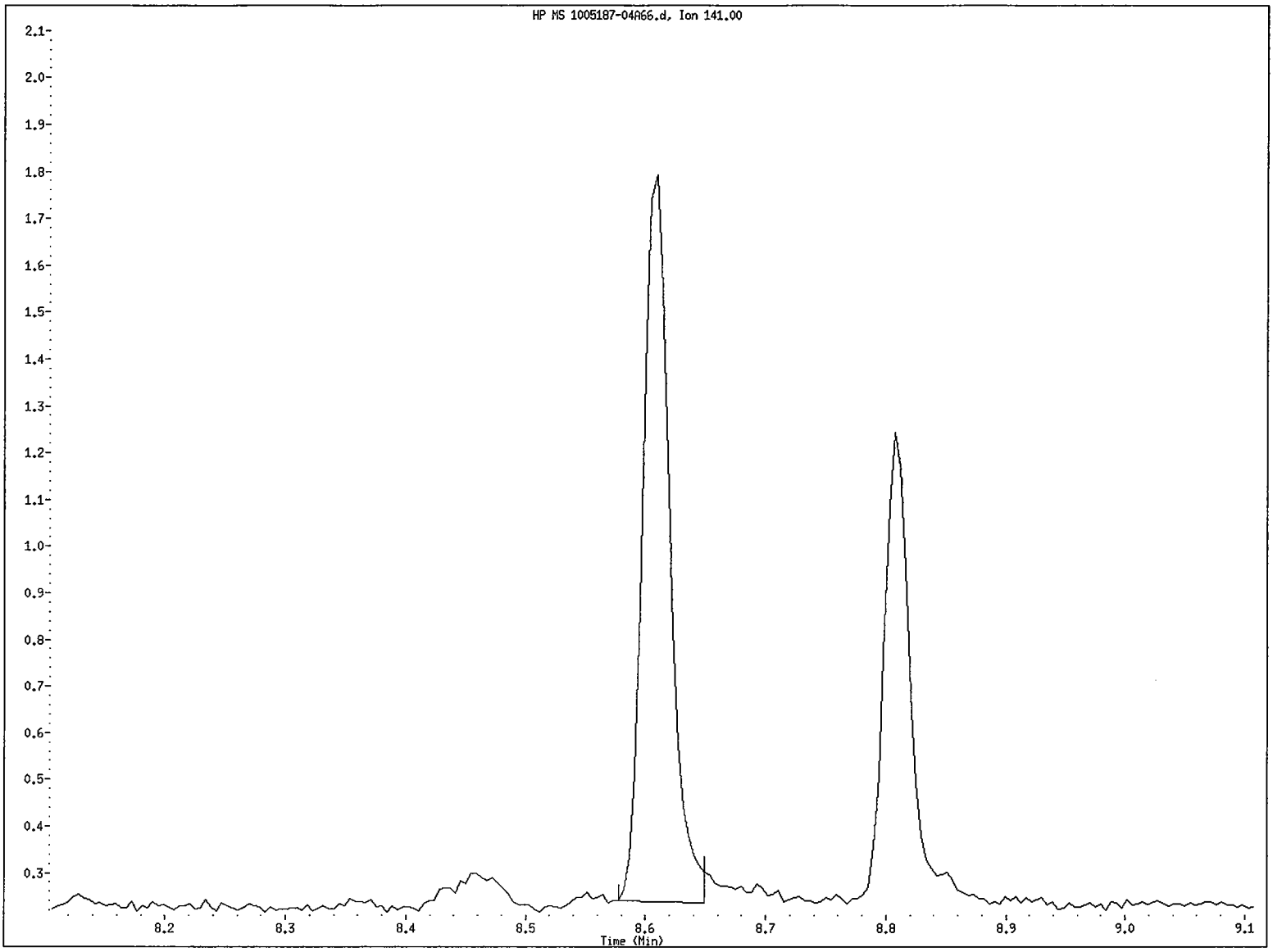
Data File: /chem/5972hp66.i/DS100710A66.b/1005187-04A66.d
Report Date: 13-Jul-2010 11:10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

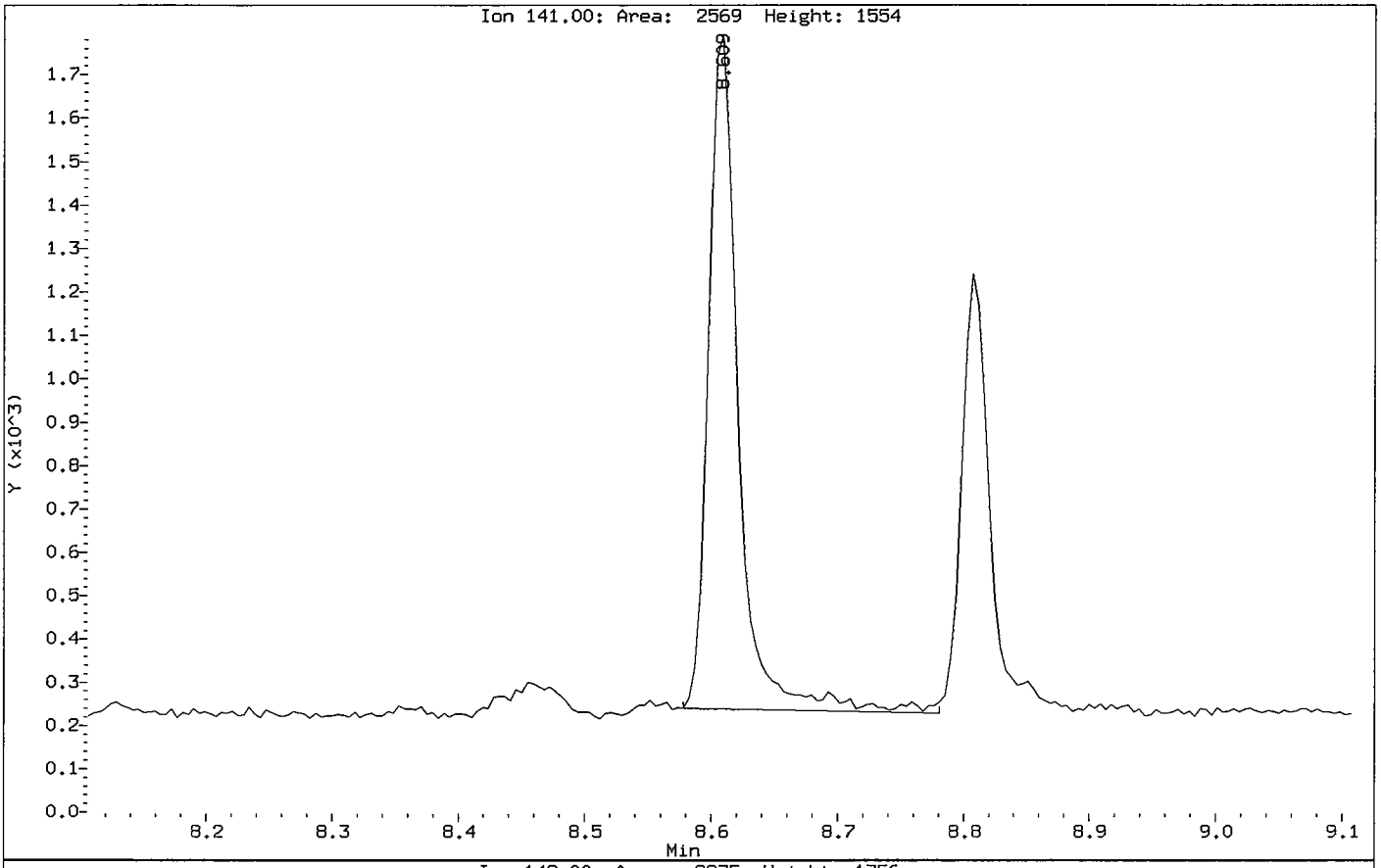
2-Methylnaphthalene CAS Number 91-57-6 Area = 2379 Manually integrated

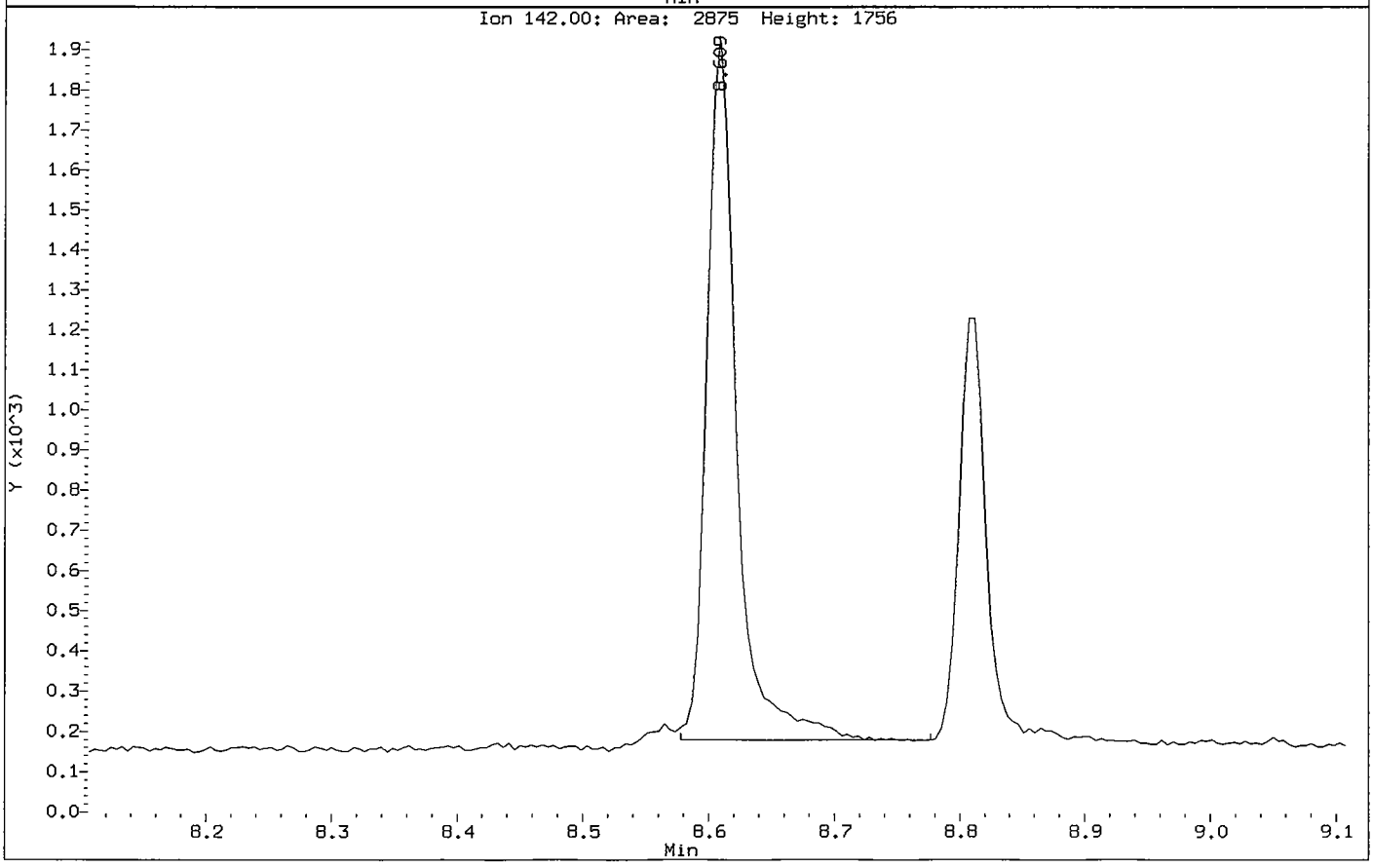


File name: /chem/5972hp66.i/DS100710A66.b/1005187-04A66.d
Client ID: EB1-052510
Instrument ID: 5972hp66.i
Injection Date and Time: 10-JUL-2010 12:43
Retention Time: 8.61
Operator ID: RKM

Data File: /chem/5972hp66.i/DS100710A66.b/1005187-04A66.d
Injection Date: 10-JUL-2010 12:43
Instrument: 5972hp66.i
Client Sample ID: EB1-052510

Compound: 2-Methylnaphthalene
CAS Number: 91-57-6





Data File: /chem/5972hp66.i/DS100710A66.b/1005187-04A66.d

Date : 10-JUL-2010 12:43

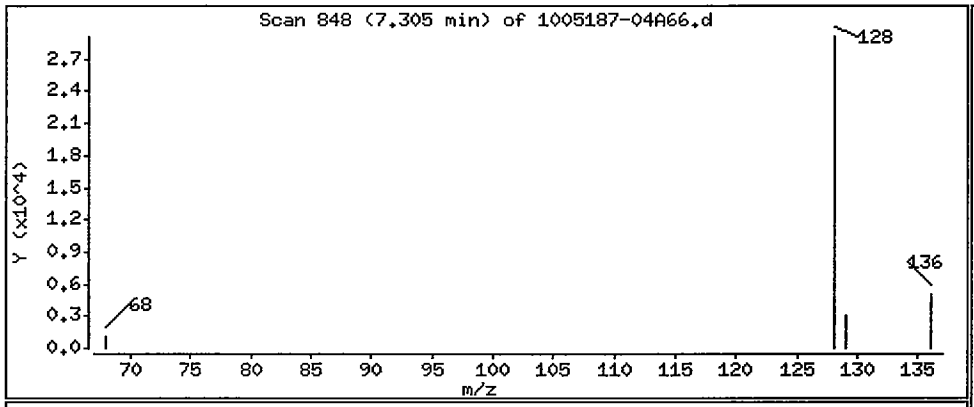
Client ID: EB1-052510 Instrument: 5972hp66.i

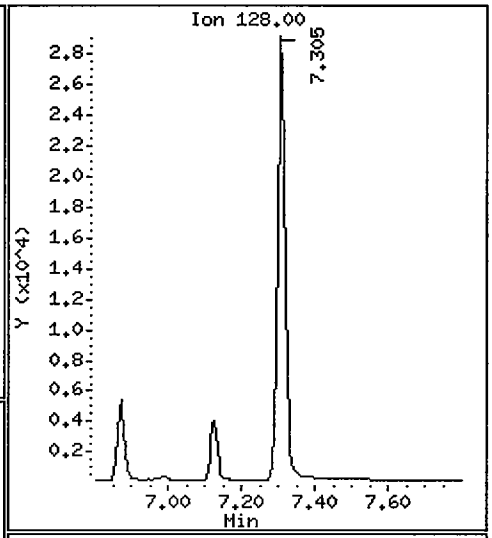
Sample Info: 1005187-04:RKM

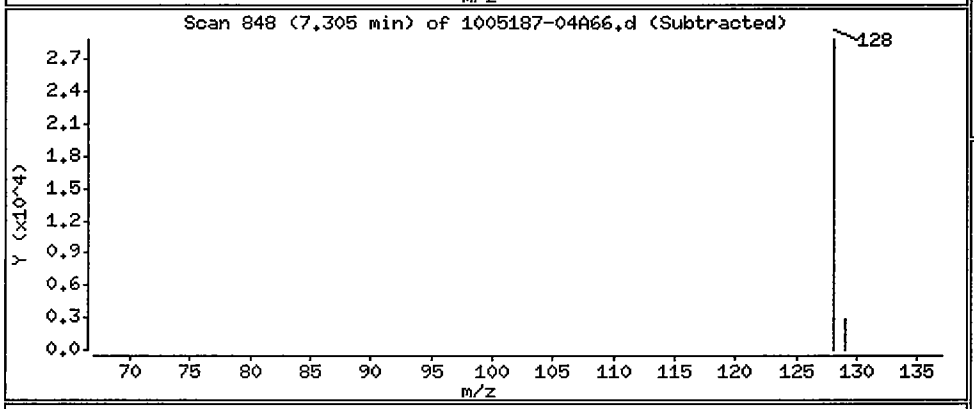
Volume Injected (uL): 2.0 Operator: RKM

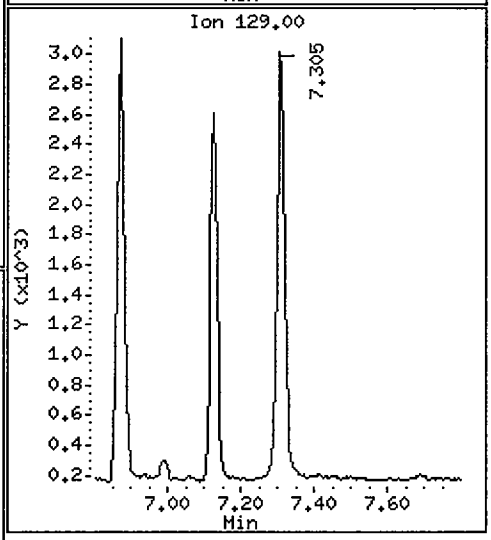
Column phase: Rtx-5MS Column diameter: 0.32

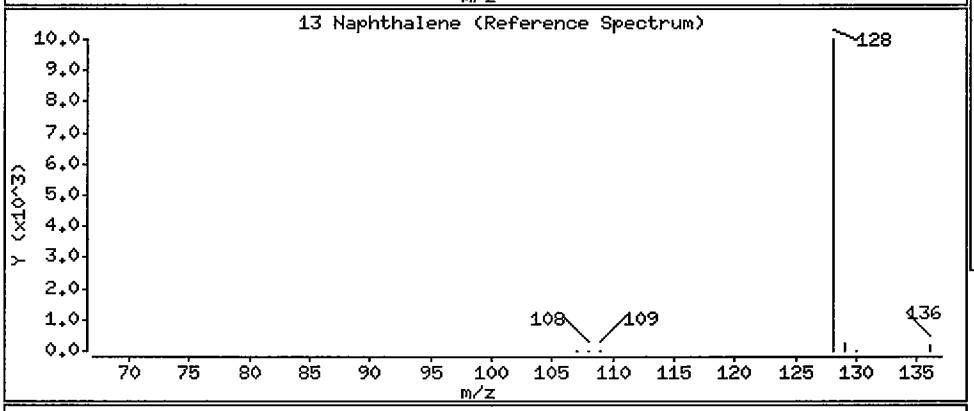
13 Naphthalene Concentration: 0.13 ug/L

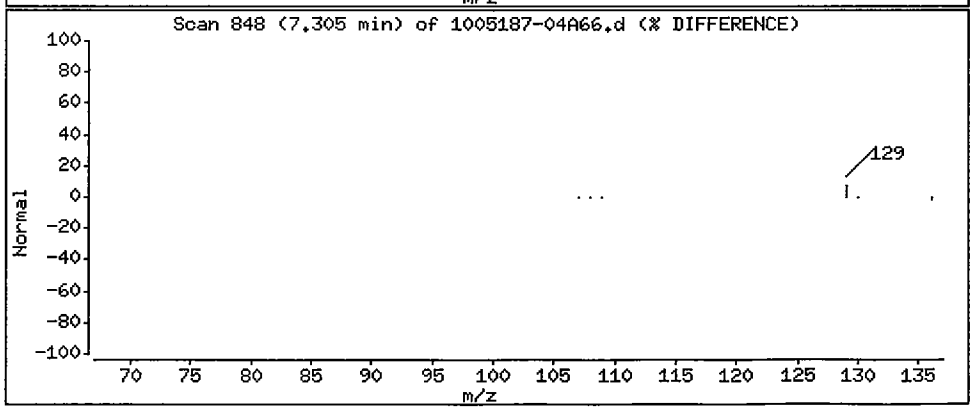












Data File: /chem/5972hp66.i/DS100710A66.b/1005187-04A66.d

Date : 10-JUL-2010 12:43

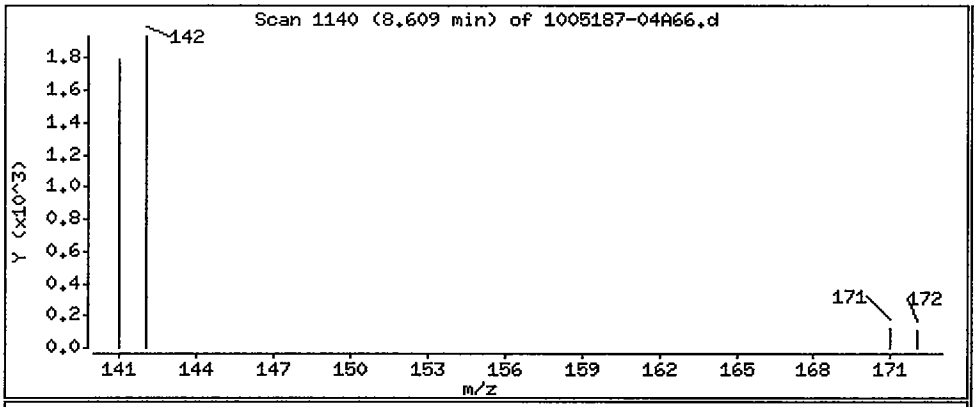
Client ID: EB1-052510 Instrument: 5972hp66.i

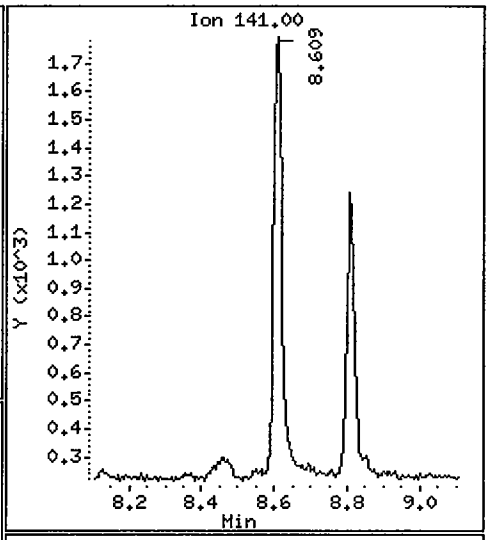
Sample Info: 1005187-04:RKM

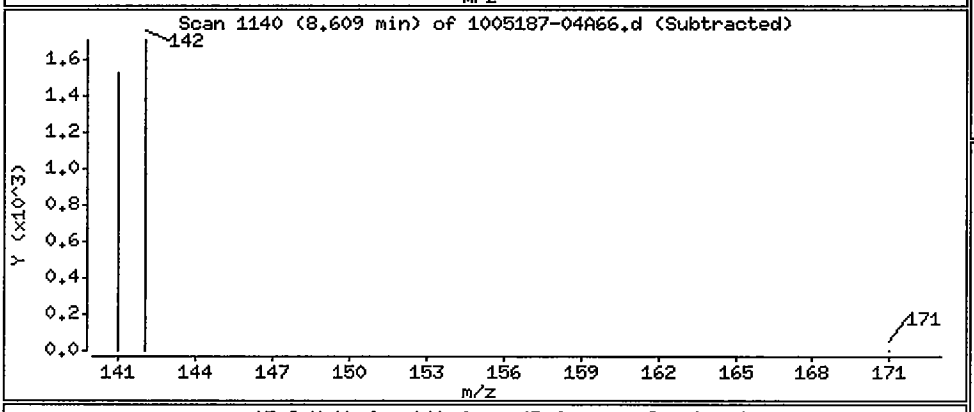
Volume Injected (uL): 2.0 Operator: RKM

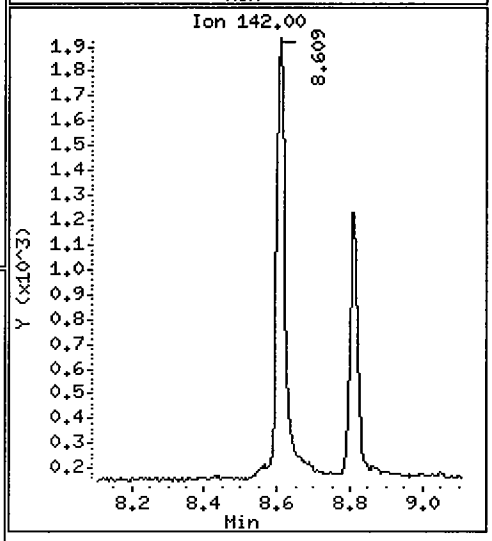
Column phase: Rtx-5MS Column diameter: 0.32

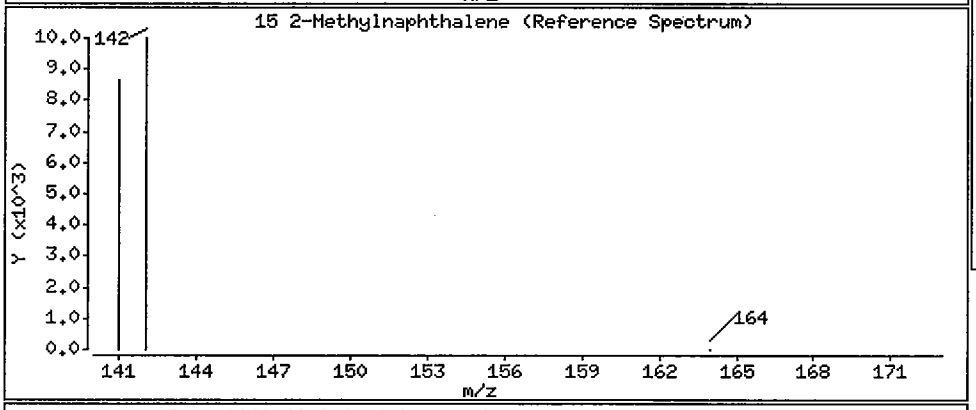
15 2-Methylnaphthalene Concentration: 0.017 ug/L

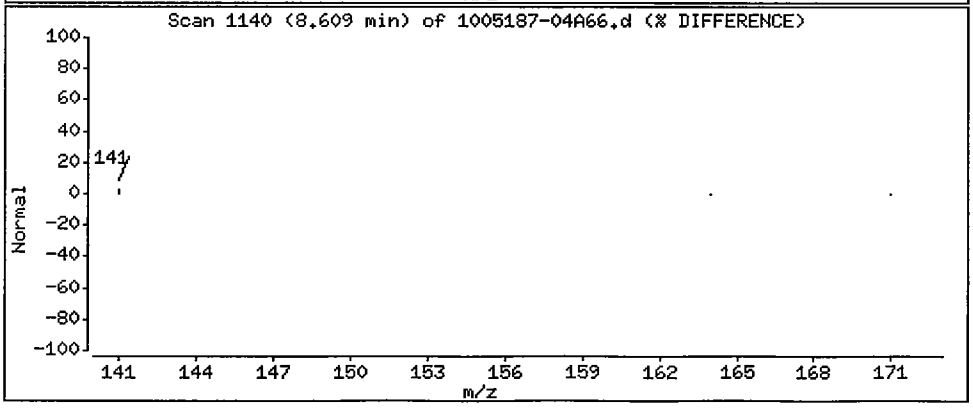












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: EB1-052710

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/27/10

Lab Sample ID: 1005187-11
Sample wt/vol: 1000 (g/mL) ML
Level: (low/med) LOW

Date Received: 05/27/10
Lab File ID: 1005187-11A68
Analyst: OWS

% Moisture: _____ decanted: (Y/N)___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052804-BLK1

Date Extracted: 05/28/10
Date Analyzed: 07/13/10
Dilution Factor: 1.0

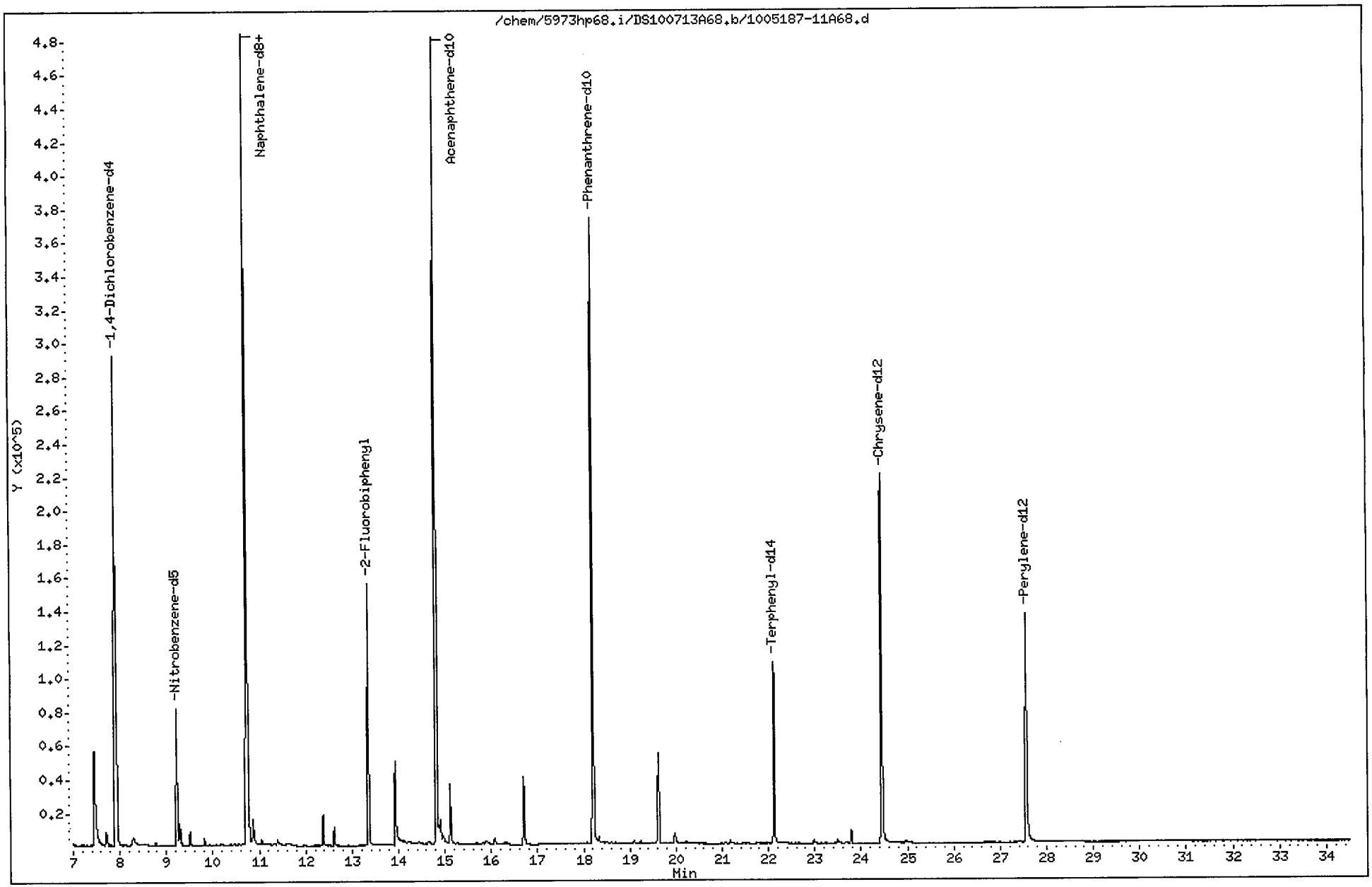
CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.030	0.20	0.19	J
91-57-6	2-Methylnaphthalene	0.015	0.20	0.028	J
208-96-8	Acenaphthylene	0.0100	0.20	ND	U
83-32-9	Acenaphthene	0.035	0.20	ND	U
86-73-7	Fluorene	0.045	0.20	ND	U
85-01-8	Phenanthrene	0.035	0.20	ND	U
120-12-7	Anthracene	0.020	0.20	ND	U
206-44-0	Fluoranthene	0.0100	0.20	ND	U
129-00-0	Pyrene	0.0100	0.20	ND	U
56-55-3	Benzo(a)anthracene	0.020	0.20	ND	U
218-01-9	Chrysene	0.015	0.20	ND	U
205-99-2	Benzo(b)fluoranthene	0.0100	0.20	ND	U
207-08-9	Benzo(k)fluoranthene	0.0100	0.20	ND	U
50-32-8	Benzo(a)pyrene	0.0100	0.20	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.0100	0.20	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.0100	0.20	ND	U
191-24-2	Benzo(g,h,i)perylene	0.0100	0.20	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5973hp68.i/DS100713A68.b/1005187-11A68.d
Date : 13-JUL-2010 20:51
Client ID: EB1-052710
Sample Info: 1005187-11:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5973hp68.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5973hp68.i/DS100713A68.b/1005187-11A68.d
Report Date: 14-Jul-2010 15:28

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5973hp68.i/DS100713A68.b/1005187-11A68.d
Lab Smp Id: 1005187-11 Client Smp ID: EB1-052710
Inj Date : 13-JUL-2010 20:51
Operator : OWS Inst ID: 5973hp68.i
Smp Info : 1005187-11:OWS
Misc Info : EB1-052710
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5973hp68.i/DS100713A68.b/SIM_8270Cv3DOD.m
Meth Date : 14-Jul-2010 15:22 byrd Quant Type: ISTD
Cal Date : 12-JUL-2010 20:33 Cal File: 0G12007-CAL5A68.d
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	7.910	7.910	(1.000)	247453	2.00000	
* 2 Naphthalene-d8	136	10.728	10.729	(1.000)	835838	2.00000	
* 3 Acenaphthene-d10	164	14.813	14.813	(1.000)	396408	2.00000	
* 4 Phenanthrene-d10	188	18.214	18.214	(1.000)	612399	2.00000	
* 5 Chrysene-d12	240	24.444	24.448	(1.000)	353001	2.00000	
* 6 Perylene-d12	264	27.558	27.563	(1.000)	234399	2.00000	
$ 9 Nitrobenzene-d5	82	9.225	9.221	(0.860)	103151	0.67249	0.34
$ 10 2-Fluorobiphenyl	172	13.353	13.354	(0.901)	178643	0.64164	0.32
$ 12 Terphenyl-d14	244	22.125	22.125	(0.905)	150063	0.92275	0.46
13 Naphthalene	128	10.763	10.763	(1.003)	172954	0.38945	0.19(a)
15 2-Methylnaphthalene	141	12.374	12.370	(1.153)	13072	0.05639	0.028(a)
17 Acenaphthylene	152	Compound Not Detected.					
18 Acenaphthene	154	Compound Not Detected.					
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					

Data File: /chem/5973hp68.i/DS100713A68.b/1005187-11A68.d
Report Date: 14-Jul-2010 15:28

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /chem/5973hp68.i/DS100713A68.b/1005187-11A68.d

Date : 13-JUL-2010 20:51

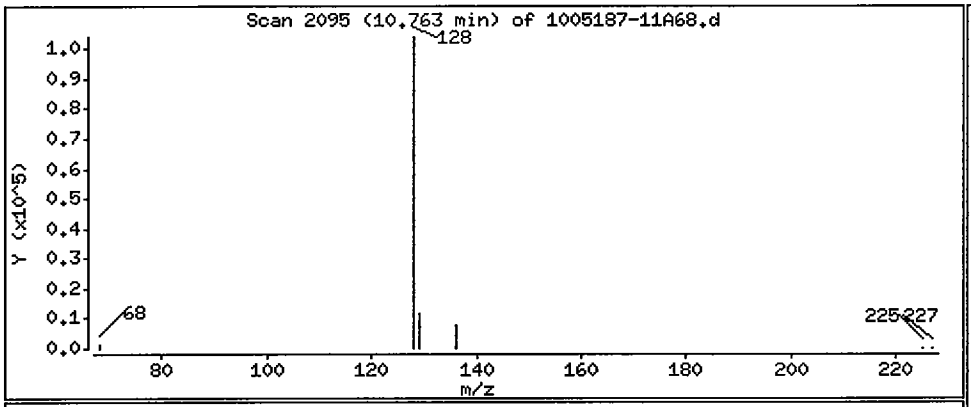
Client ID: EB1-052710 Instrument: 5973hp68.i

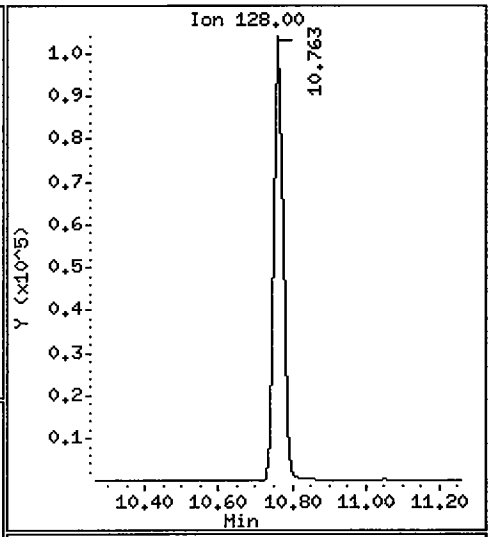
Sample Info: 1005187-11:OWS

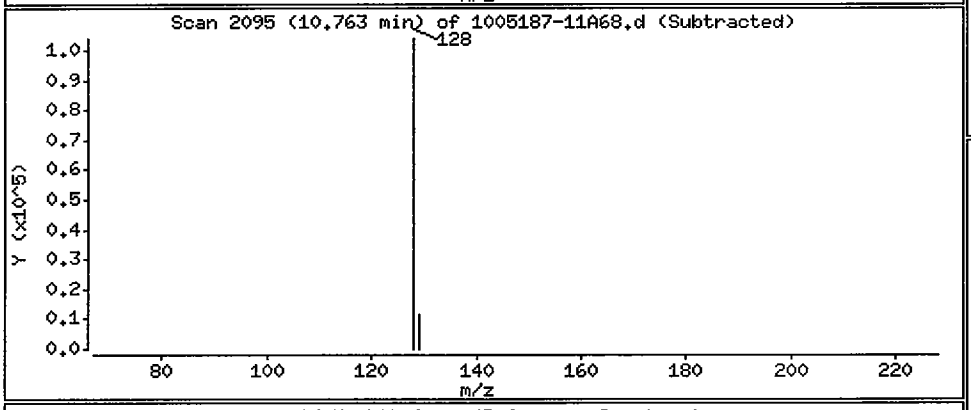
Volume Injected (uL): 2.0 Operator: OWS

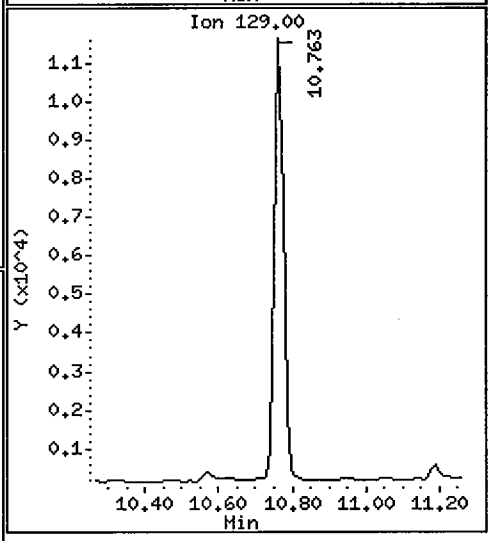
Column phase: Rtx-5MS Column diameter: 0.32

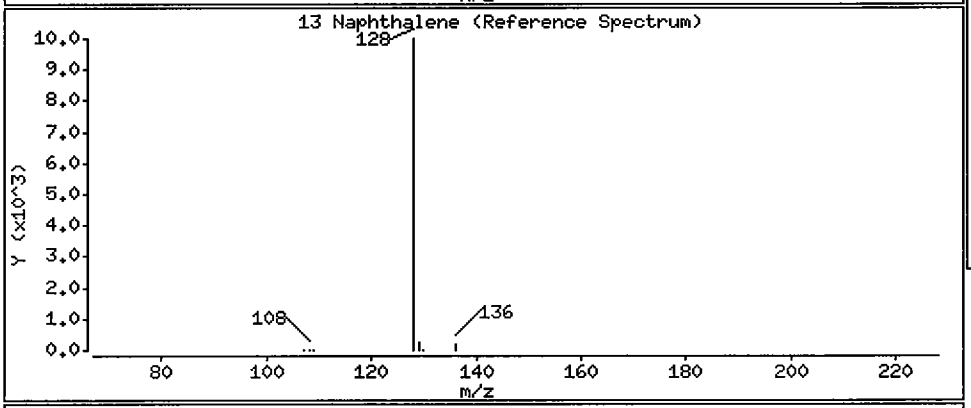
13 Naphthalene Concentration: 0.19 ug/L

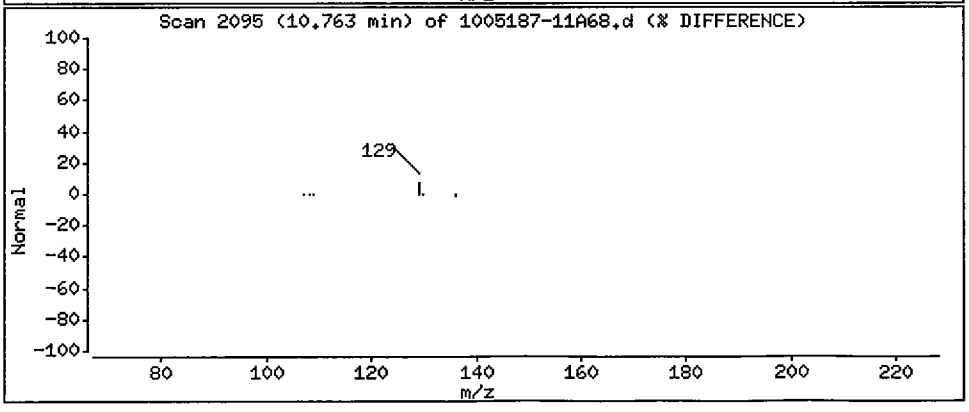












Data File: /chem/5973hp68.i/DS100713A68.b/1005187-11A68.d

Date : 13-JUL-2010 20:51

Client ID: EB1-052710

Instrument: 5973hp68.i

Sample Info: 1005187-11:OWS

Volume Injected (uL): 2.0

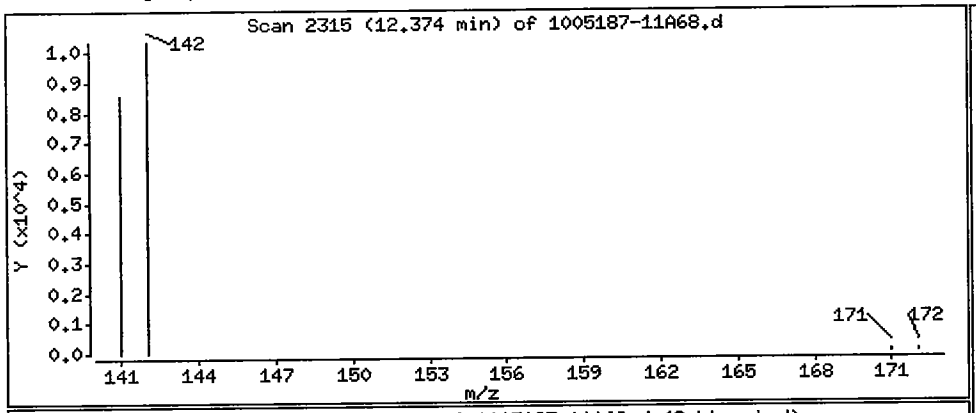
Operator: OWS

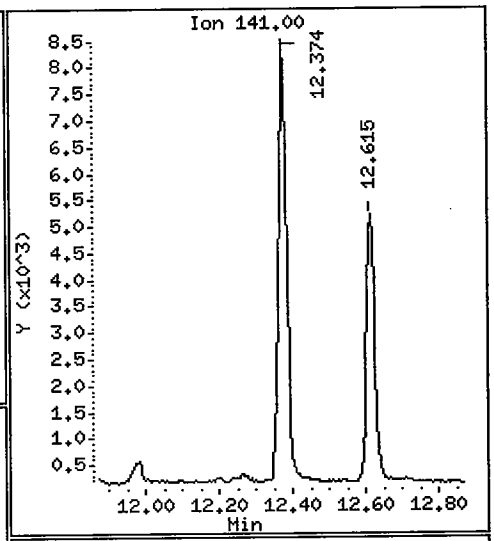
Column phase: Rtx-5MS

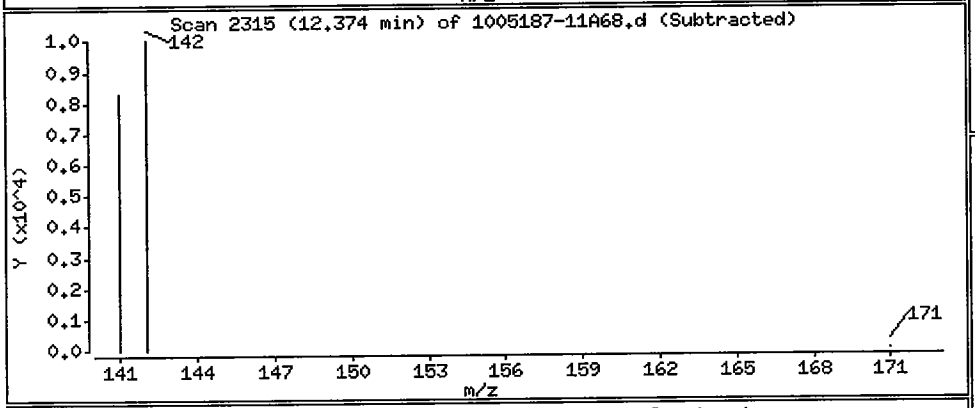
Column diameter: 0.32

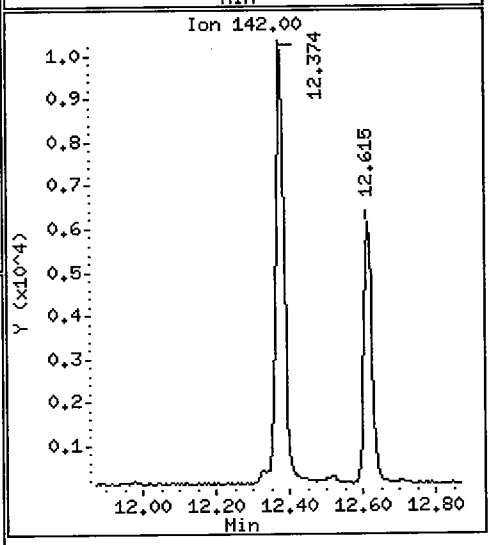
15 2-Methylnaphthalene

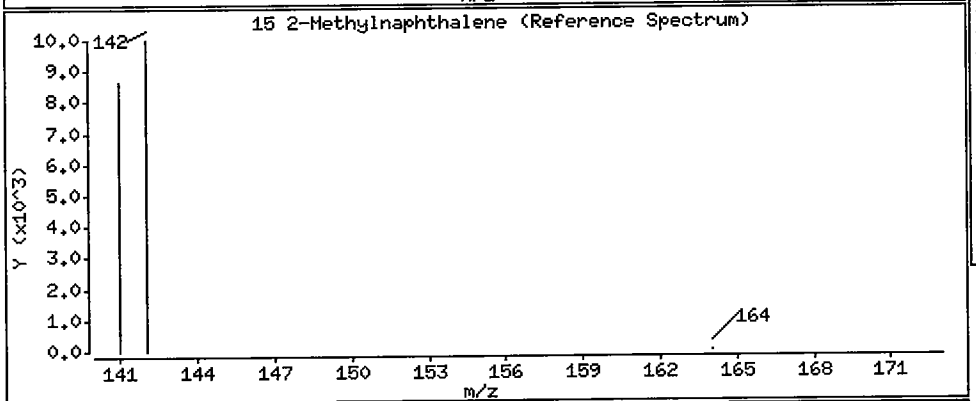
Concentration: 0.028 ug/L

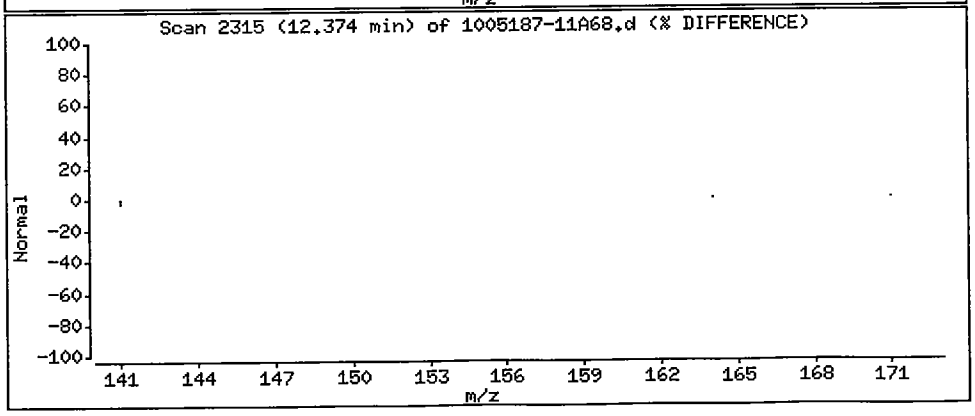












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: EB2-052510

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/25/10

Lab Sample ID: 1005187-06
Sample wt/vol: 1000 (g/mL) ML
Level: (low/med) LOW

Date Received: 05/25/10
Lab File ID: 1005187-06A66
Analyst: RKM

% Moisture: _____ decanted: (Y/N)___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052635-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/10/10
Dilution Factor: 1.0

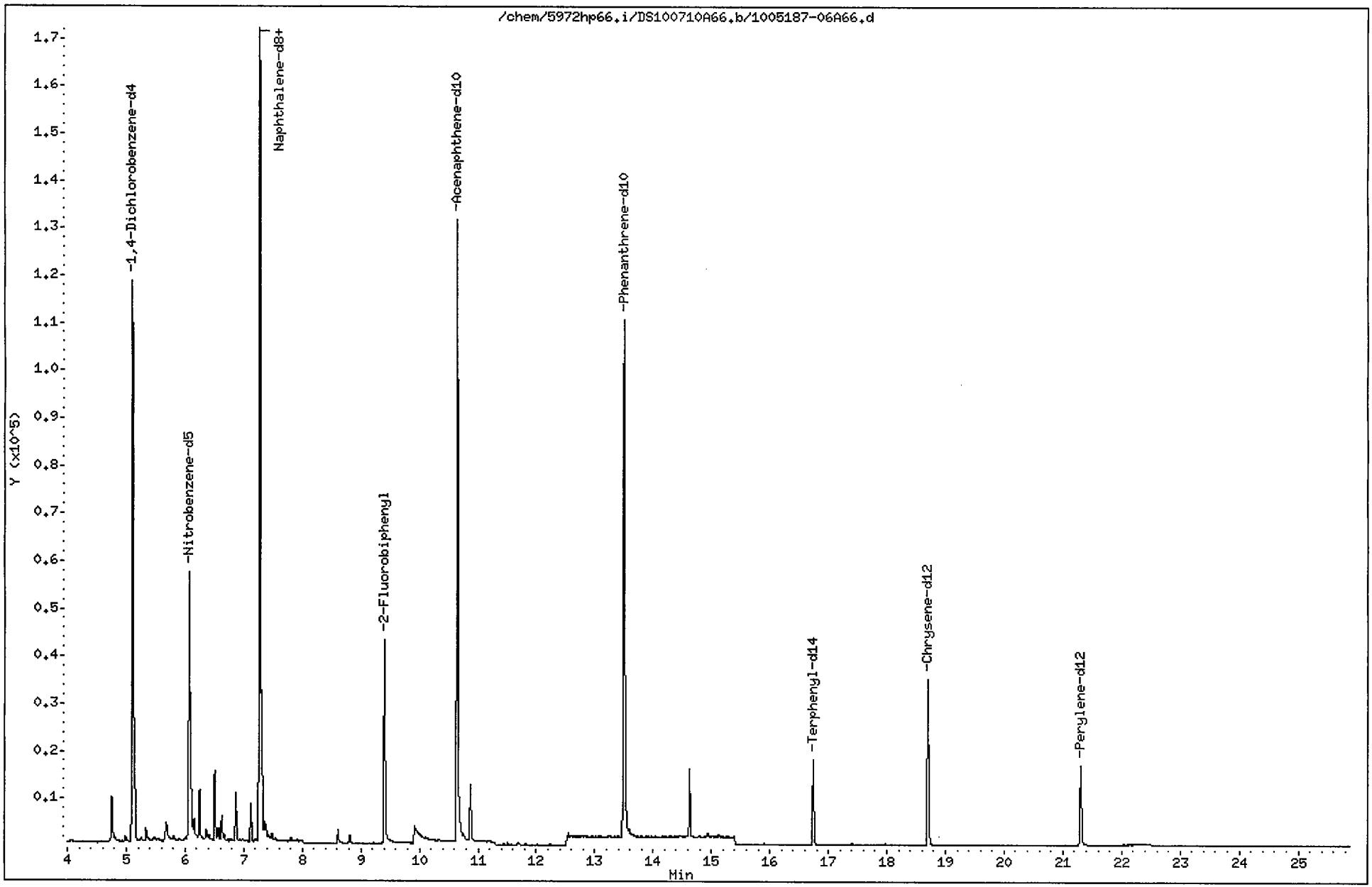
CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.030	0.20	0.099	J
91-57-6	2-Methylnaphthalene	0.015	0.20	ND	U
208-96-8	Acenaphthylene	0.0100	0.20	ND	U
83-32-9	Acenaphthene	0.035	0.20	ND	U
86-73-7	Fluorene	0.045	0.20	ND	U
85-01-8	Phenanthrene	0.035	0.20	ND	U
120-12-7	Anthracene	0.020	0.20	ND	U
206-44-0	Fluoranthene	0.0100	0.20	ND	U
129-00-0	Pyrene	0.0100	0.20	ND	U
56-55-3	Benzo(a)anthracene	0.020	0.20	ND	U
218-01-9	Chrysene	0.015	0.20	ND	U
205-99-2	Benzo(b)fluoranthene	0.0100	0.20	ND	U
207-08-9	Benzo(k)fluoranthene	0.0100	0.20	ND	U
50-32-8	Benzo(a)pyrene	0.0100	0.20	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.0100	0.20	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.0100	0.20	ND	U
191-24-2	Benzo(g,h,i)perylene	0.0100	0.20	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp66.i/DS100710A66.b/1005187-06A66.d
Date : 10-JUL-2010 13:51
Client ID: EB2-052510
Sample Info: 1005187-06:RKM
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: RKM
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100710A66.b/1005187-06A66.d
Report Date: 13-Jul-2010 11:10

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100710A66.b/1005187-06A66.d
Lab Smp Id: 1005187-06 Client Smp ID: EB2-052510
Inj Date : 10-JUL-2010 13:51
Operator : RKM Inst ID: 5972hp66.i
Smp Info : 1005187-06:RKM
Misc Info : EB2-052510
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100710A66.b/SIM_8270Cv3DOD.m
Meth Date : 13-Jul-2010 10:56 byrd Quant Type: ISTD
Cal Date : 09-JUL-2010 16:49 Cal File: 0G09004-CAL5A66.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	5.106	5.102	(1.000)	83051	2.00000	
* 2 Naphthalene-d8	136	7.271	7.270	(1.000)	214891	2.00000	
* 3 Acenaphthene-d10	164	10.641	10.640	(1.000)	101267	2.00000	
* 4 Phenanthrene-d10	188	13.499	13.495	(1.000)	124750	2.00000	
* 5 Chrysene-d12	240	18.698	18.698	(1.000)	40537	2.00000	
* 6 Perylene-d12	264	21.307	21.302	(1.000)	23508	2.00000	
$ 9 Nitrobenzene-d5	82	6.072	6.068	(0.835)	82717	0.73956	0.37
$ 10 2-Fluorobiphenyl	172	9.403	9.399	(0.884)	51970	0.58251	0.29
$ 12 Terphenyl-d14	244	16.738	16.743	(0.895)	19016	1.27422	0.64
13 Naphthalene	128	7.306	7.301	(1.005)	32929	0.19771	0.099(a)
15 2-Methylnaphthalene	141	Compound Not Detected.					
17 Acenaphthylene	152	Compound Not Detected.					
18 Acenaphthene	154	Compound Not Detected.					
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					

7/13/10

Data File: /chem/5972hp66.i/DS100710A66.b/1005187-06A66.d
Report Date: 13-Jul-2010 11:10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /chem/5972hp66.i/DS100710A66.b/1005187-06A66.d

Date : 10-JUL-2010 13:51

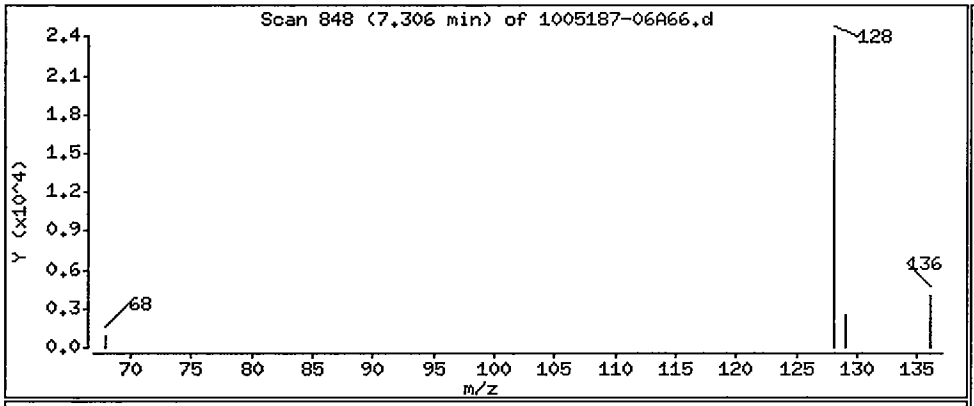
Client ID: EB2-052510 Instrument: 5972hp66.i

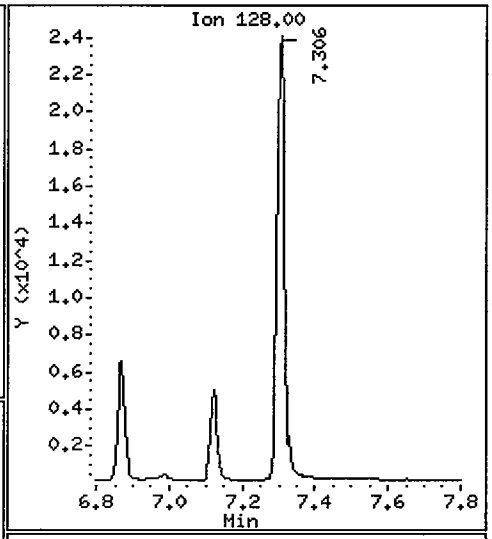
Sample Info: 1005187-06:RKM

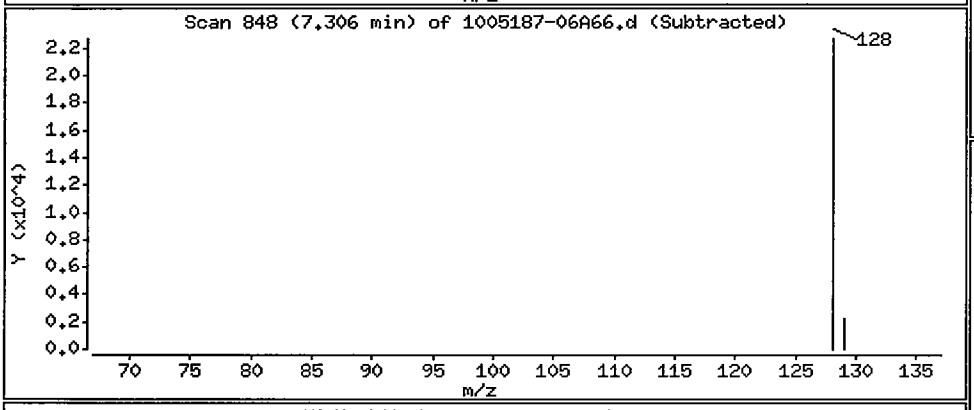
Volume Injected (uL): 2.0 Operator: RKM

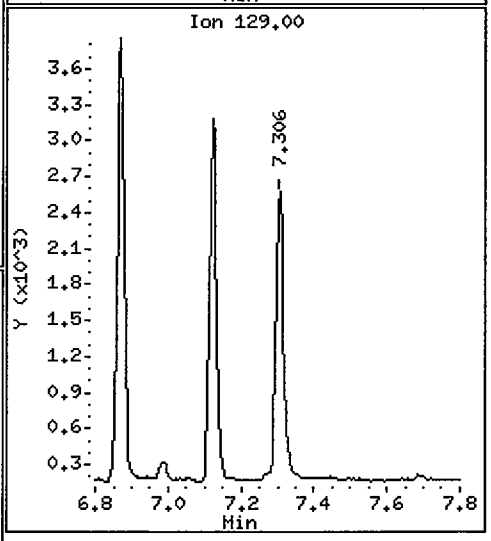
Column phase: Rtx-5MS Column diameter: 0.32

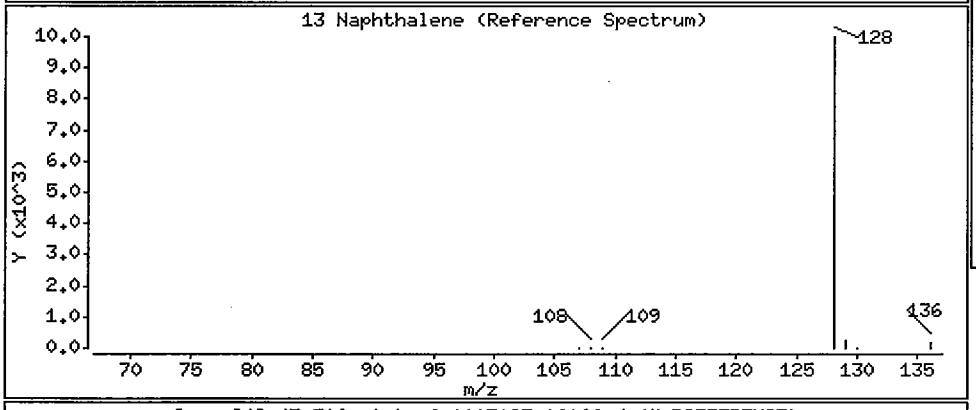
13 Naphthalene Concentration: 0.099 ug/L

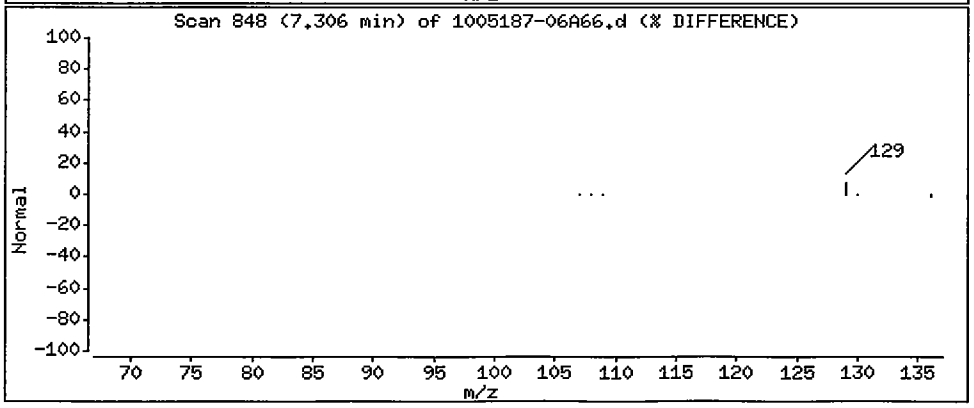












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: EB2-052710

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/27/10

Lab Sample ID: 1005187-15
Sample wt/vol: 975 (g/mL) ML
Level: (low/med) LOW

Date Received: 05/27/10
Lab File ID: 1005187-15A68
Analyst: OWS

% Moisture: _____ decanted: (Y/N)___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052804-BLK1

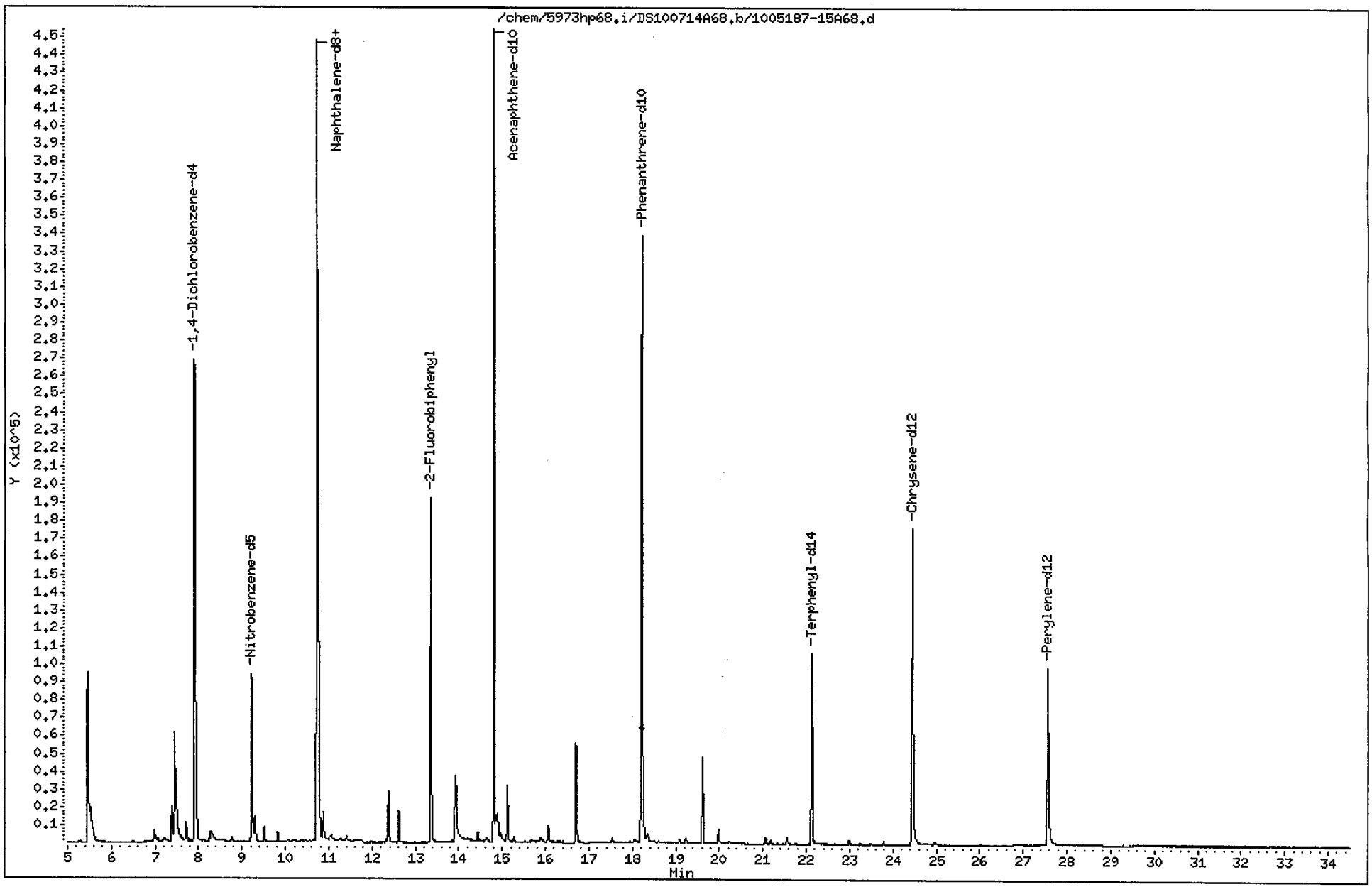
Date Extracted: 05/28/10
Date Analyzed: 07/14/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.031	0.21	0.25	
91-57-6	2-Methylnaphthalene	0.015	0.21	0.047	J
208-96-8	Acenaphthylene	0.010	0.21	ND	U
83-32-9	Acenaphthene	0.036	0.21	ND	U
86-73-7	Fluorene	0.046	0.21	ND	U
85-01-8	Phenanthrene	0.036	0.21	ND	U
120-12-7	Anthracene	0.021	0.21	ND	U
206-44-0	Fluoranthene	0.010	0.21	0.011	J
129-00-0	Pyrene	0.010	0.21	0.012	J
56-55-3	Benzo(a)anthracene	0.021	0.21	ND	U
218-01-9	Chrysene	0.015	0.21	ND	U
205-99-2	Benzo(b)fluoranthene	0.010	0.21	ND	U
207-08-9	Benzo(k)fluoranthene	0.010	0.21	ND	U
50-32-8	Benzo(a)pyrene	0.010	0.21	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.010	0.21	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.010	0.21	ND	U
191-24-2	Benzo(g,h,i)perylene	0.010	0.21	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5973hp68.i/DS100714A68.b/1005187-15A68.d
Date : 14-JUL-2010 11:54
Client ID: EB2-052710
Sample Info: 1005187-15:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5973hp68.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5973hp68.i/DS100714A68.b/1005187-15A68.d
Report Date: 20-Jul-2010 16:47

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5973hp68.i/DS100714A68.b/1005187-15A68.d
Lab Smp Id: 1005187-15 Client Smp ID: EB2-052710
Inj Date : 14-JUL-2010 11:54
Operator : OWS Inst ID: 5973hp68.i
Smp Info : 1005187-15:OWS
Misc Info : EB2-052710
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5973hp68.i/DS100714A68.b/SIM_8270Cv3DOD.m
Meth Date : 20-Jul-2010 16:45 mead Quant Type: ISTD
Cal Date : 12-JUL-2010 20:33 Cal File: 0G12007-CAL5A68.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	975.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	7.910	7.910	(1.000)	233570	2.00000	(a)
* 2 Naphthalene-d8	136	10.728	10.729	(1.000)	777060	2.00000	(a)
* 3 Acenaphthene-d10	164	14.813	14.813	(1.000)	369194	2.00000	(a)
* 4 Phenanthrene-d10	188	18.214	18.214	(1.000)	546523	2.00000	(a)
* 5 Chrysene-d12	240	24.444	24.444	(1.000)	293887	2.00000	(a)
* 6 Perylene-d12	264	27.563	27.558	(1.000)	185026	2.00000	(a)
$ 9 Nitrobenzene-d5	82	9.223	9.221	(0.860)	121433	0.85156	0.44
$ 10 2-Fluorobiphenyl	172	13.353	13.354	(0.901)	216794	0.83607	0.43
$ 12 Terphenyl-d14	244	22.125	22.125	(0.905)	152690	1.12776	0.58
13 Naphthalene	128	10.763	10.763	(1.003)	205002	0.49653	0.25
15 2-Methylnaphthalene	141	12.374	12.370	(1.153)	19947	0.09255	0.047(a)
17 Acenaphthylene	152	Compound Not Detected.					
18 Acenaphthene	154	Compound Not Detected.					
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					

RW 7/20/10

Data File: /chem/5973hp68.i/DS100714A68.b/1005187-15A68.d
Report Date: 20-Jul-2010 16:47

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	21.062	21.053	(1.156)	5933	0.02160	0.011(a)
28 Pyrene	202	21.556	21.552	(0.882)	5925	0.02350	0.012(a)
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /chem/5973hp68.i/DS100714A68.b/1005187-15A68.d

Date : 14-JUL-2010 11:54

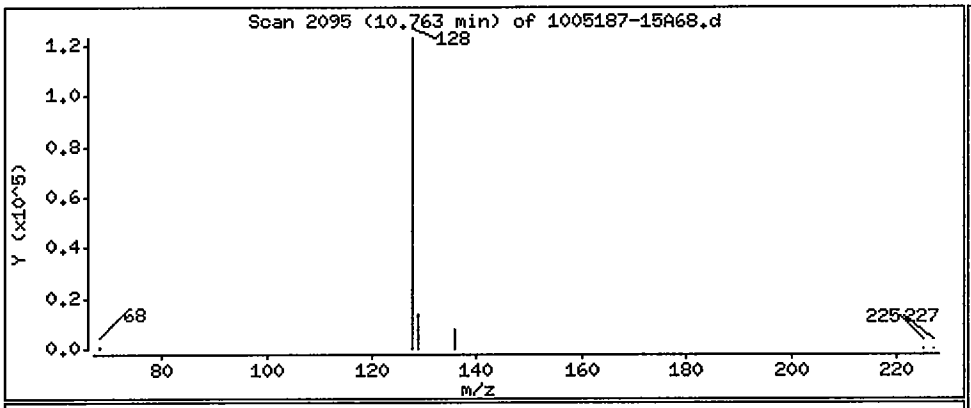
Client ID: EB2-052710 Instrument: 5973hp68.i

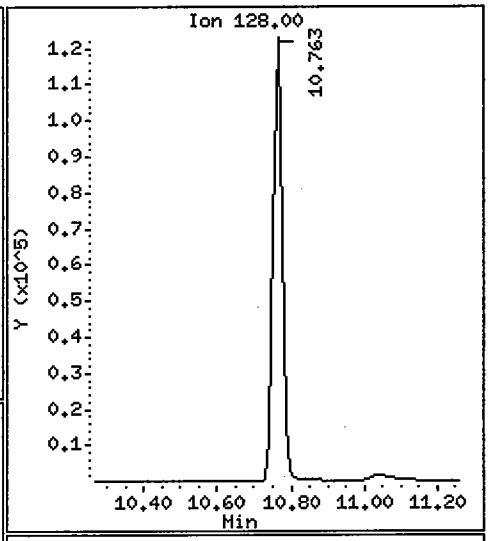
Sample Info: 1005187-15:OWS

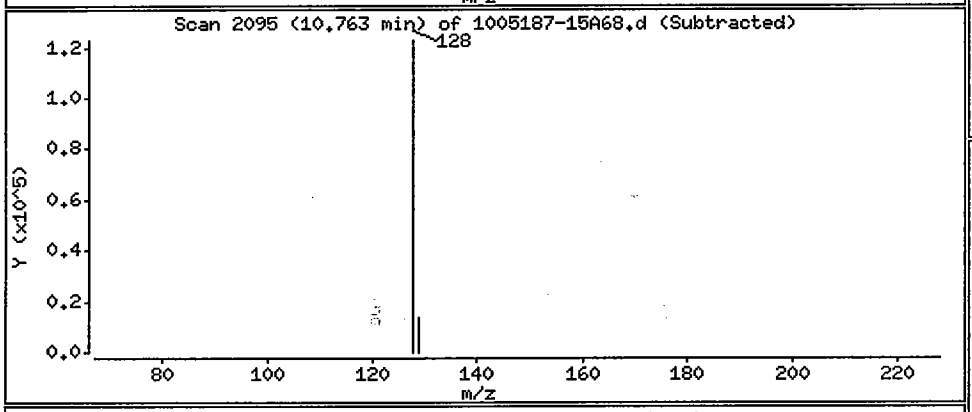
Volume Injected (uL): 2.0 Operator: OWS

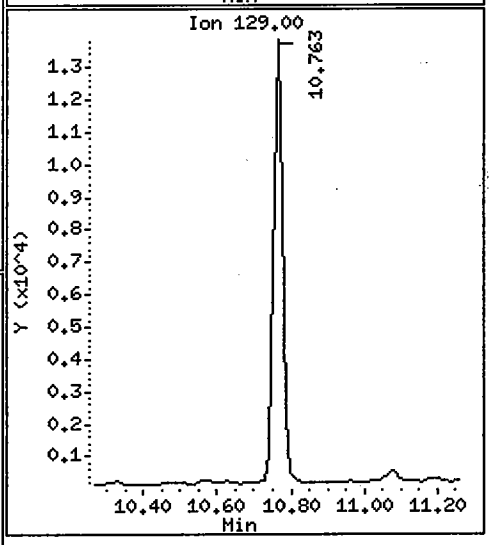
Column phase: Rtx-5MS Column diameter: 0.32

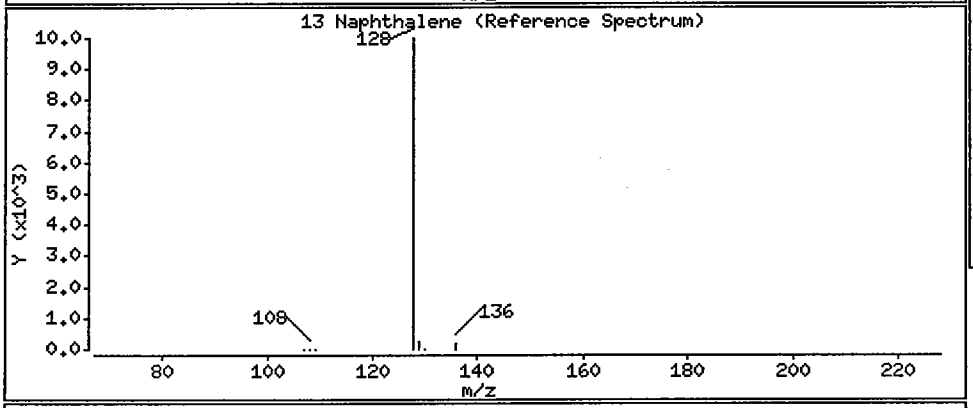
13 Naphthalene Concentration: 0.25 ug/L

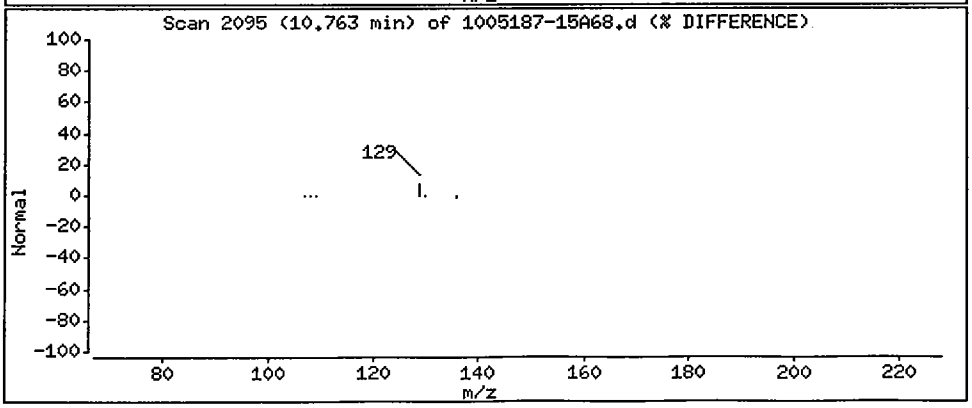












Data File: /chem/5973hp68.i/DS100714A68.b/1005187-15A68.d

Date : 14-JUL-2010 11:54

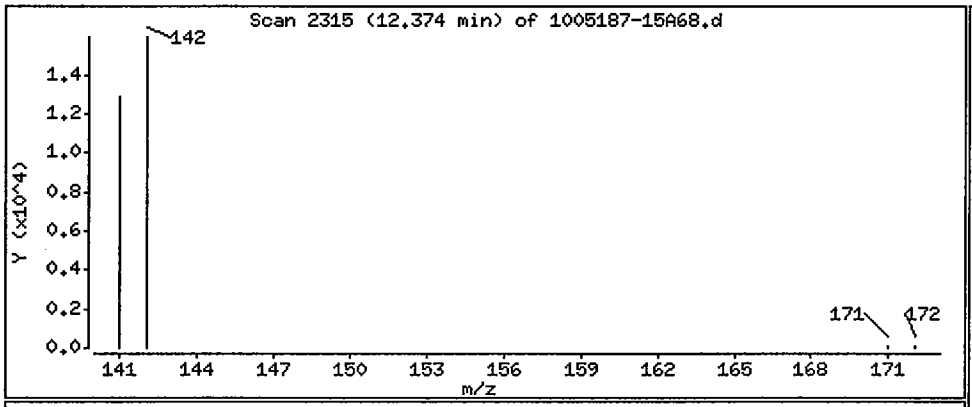
Client ID: EB2-052710 Instrument: 5973hp68.i

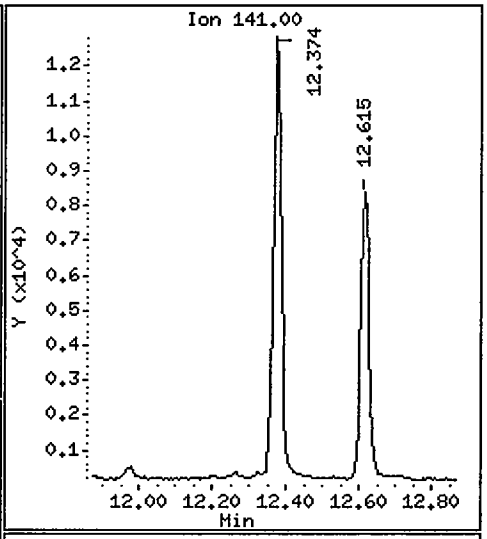
Sample Info: 1005187-15:OWS

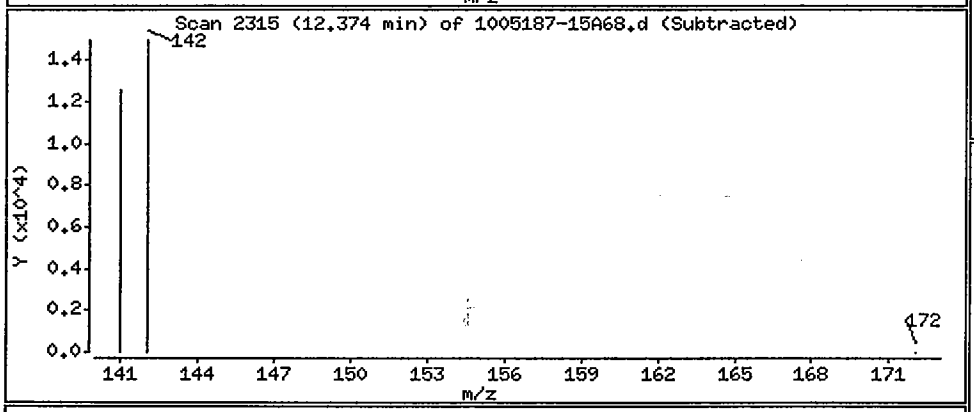
Volume Injected (uL): 2.0 Operator: OWS

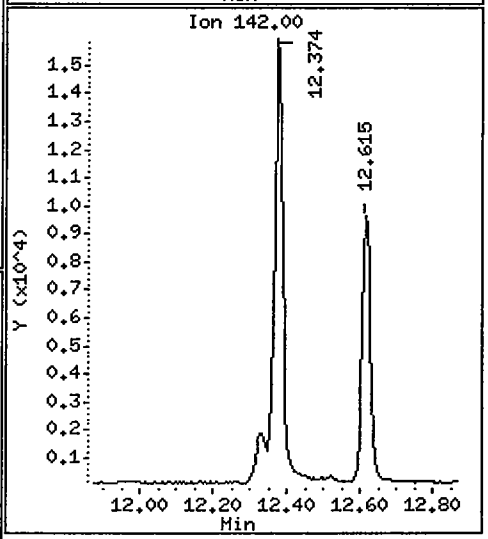
Column phase: Rtx-5MS Column diameter: 0.32

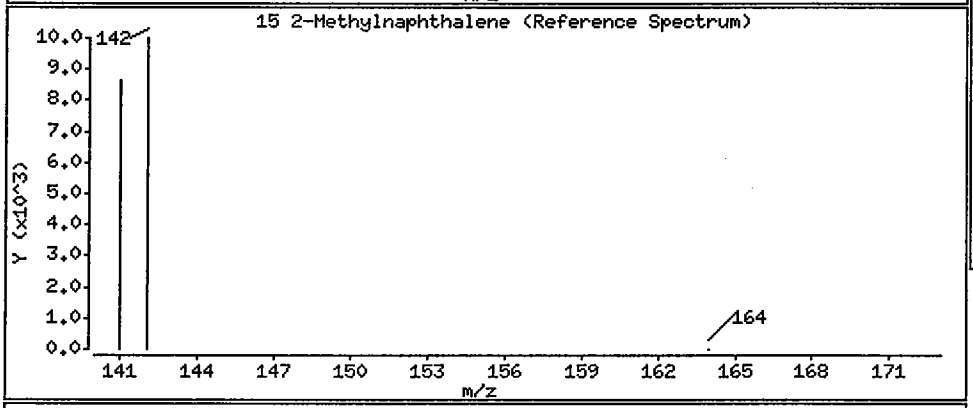
15 2-Methylnaphthalene Concentration: 0.047 ug/L

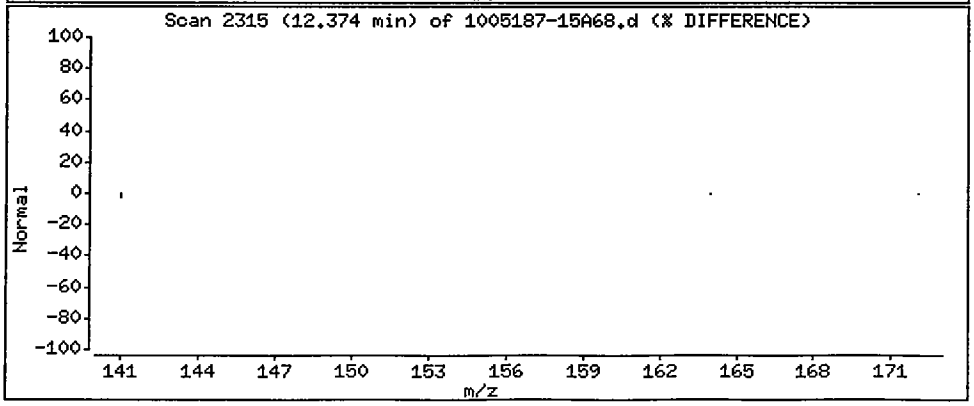












Data File: /chem/5973hp68.i/DS100714A68.b/1005187-15A68.d

Date : 14-JUL-2010 11:54

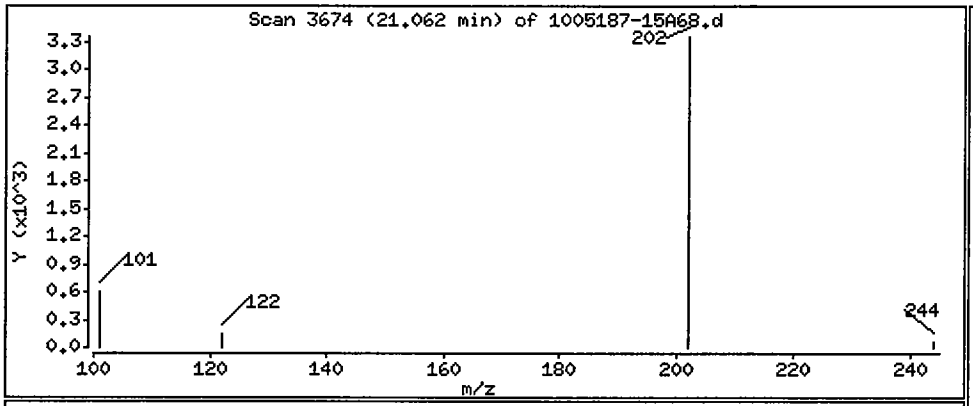
Client ID: EB2-052710 Instrument: 5973hp68.i

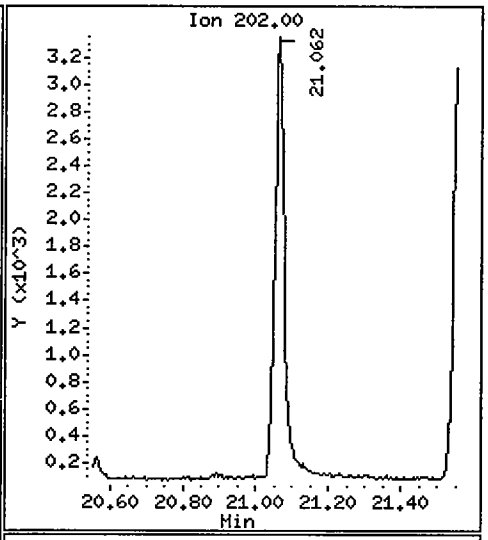
Sample Info: 1005187-15:OWS

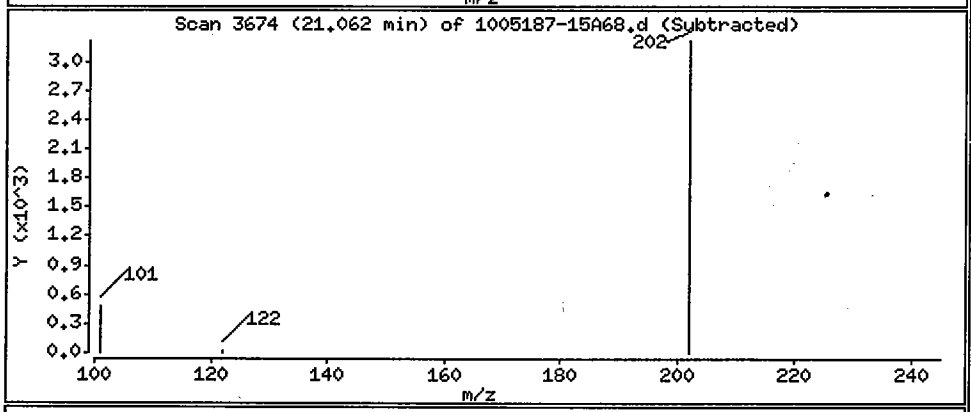
Volume Injected (uL): 2.0 Operator: OWS

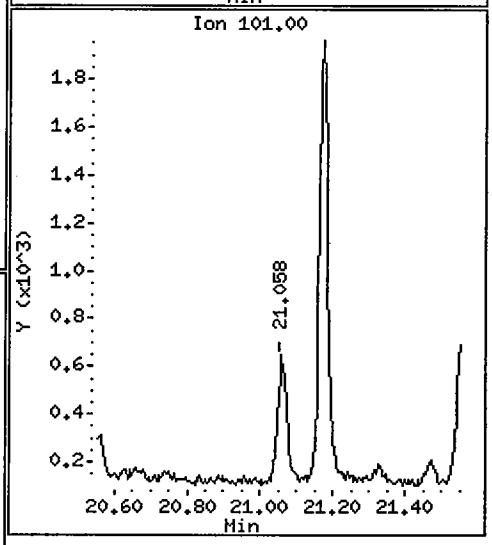
Column phase: Rtx-5MS Column diameter: 0.32

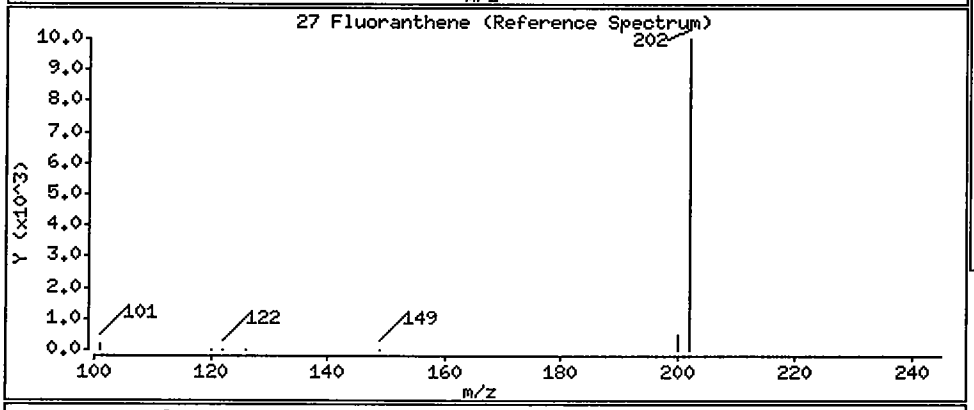
27 Fluoranthene Concentration: 0.011 ug/L

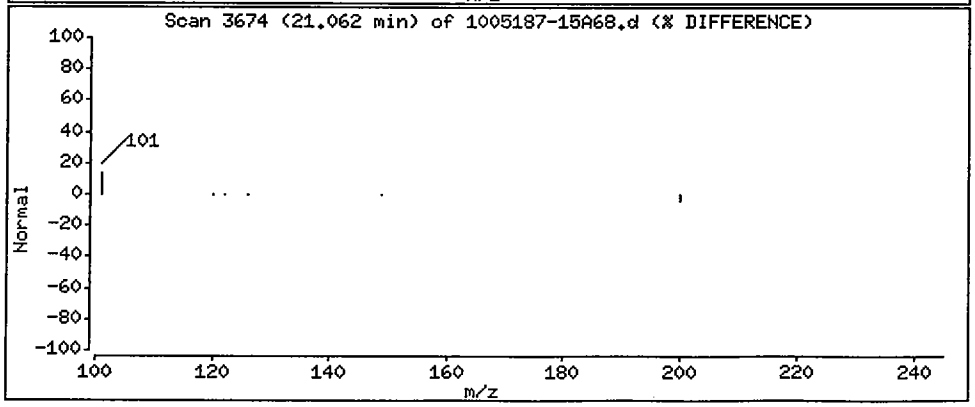












Data File: /chem/5973hp68.i/DS100714A68.b/1005187-15A68.d

Date : 14-JUL-2010 11:54

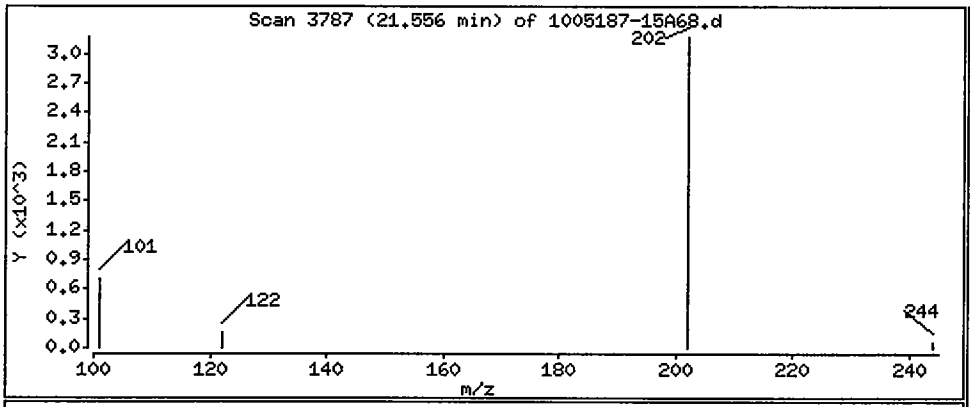
Client ID: EB2-052710 Instrument: 5973hp68.i

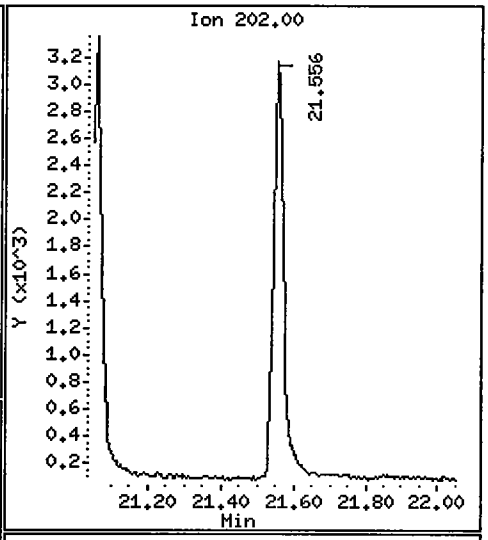
Sample Info: 1005187-15;OWS

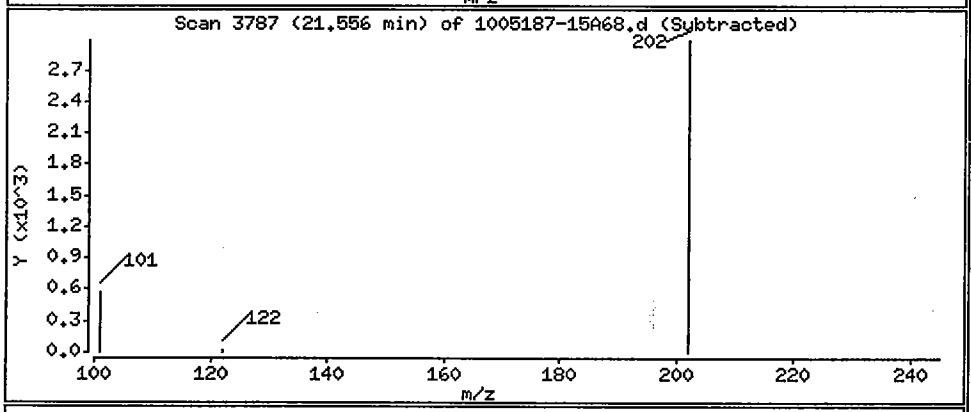
Volume Injected (uL): 2.0 Operator: OWS

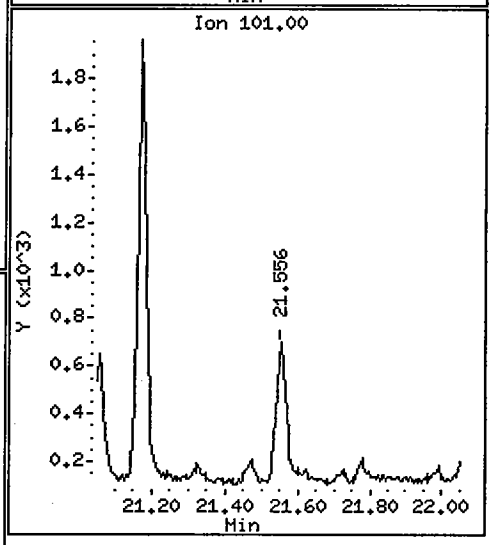
Column phase: Rtx-5MS Column diameter: 0.32

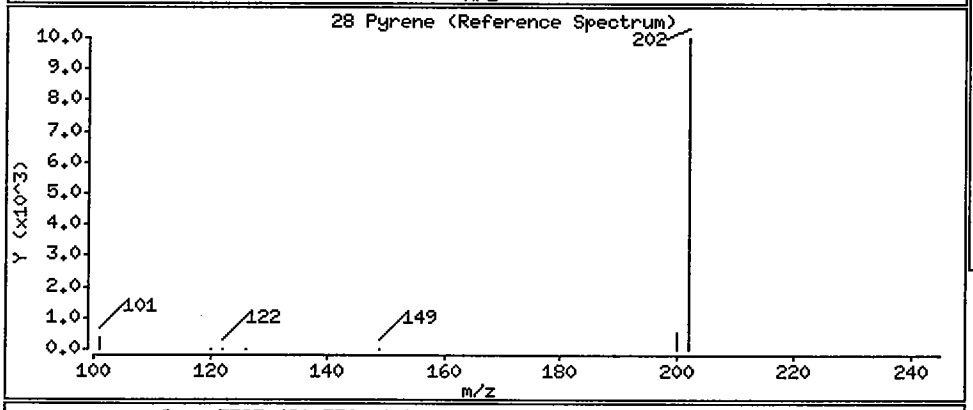
28 Pyrene Concentration: 0.012 ug/L

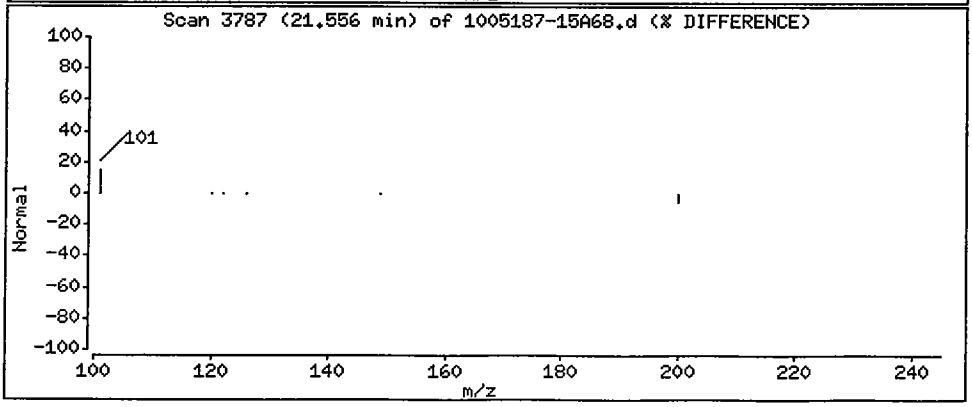












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: EB3-052710

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/27/10

Lab Sample ID: 1005187-16
Sample wt/vol: 900 (g/mL) ML
Level: (low/med) LOW

Date Received: 05/27/10
Lab File ID: 1005187-16A68
Analyst: OWS

% Moisture: _____ decanted: (Y/N)___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052804-BLK1

Date Extracted: 05/28/10
Date Analyzed: 07/14/10
Dilution Factor: 1.0

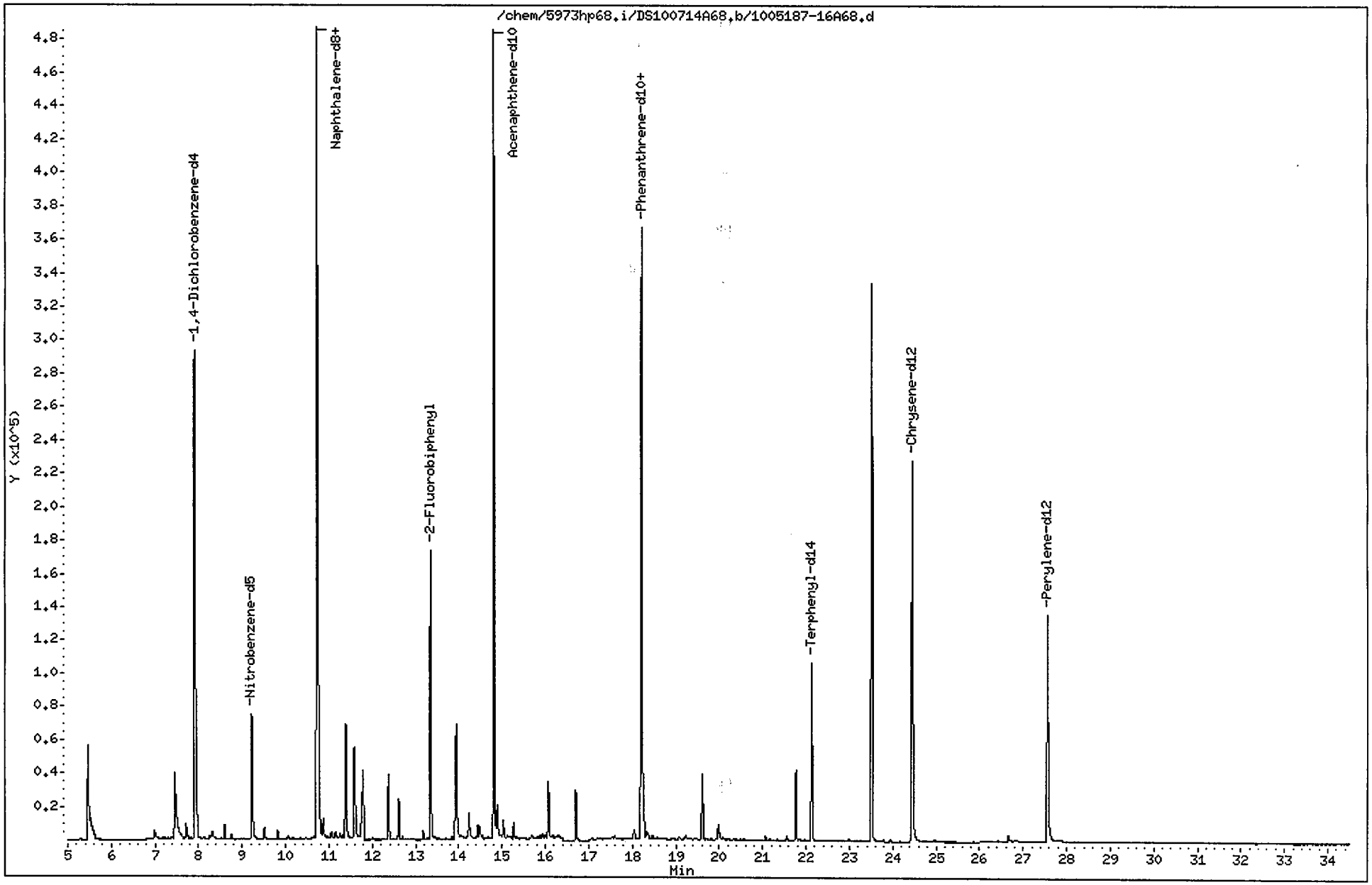
CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.033	0.22	0.20	J
91-57-6	2-Methylnaphthalene	0.017	0.22	0.065	J
208-96-8	Acenaphthylene	0.011	0.22	0.014	J
83-32-9	Acenaphthene	0.039	0.22	ND	U
86-73-7	Fluorene	0.050	0.22	0.055	J
85-01-8	Phenanthrene	0.039	0.22	0.049	J
120-12-7	Anthracene	0.022	0.22	0.037	J
206-44-0	Fluoranthene	0.011	0.22	ND	U
129-00-0	Pyrene	0.011	0.22	ND	U
56-55-3	Benzo(a)anthracene	0.022	0.22	ND	U
218-01-9	Chrysene	0.017	0.22	ND	U
205-99-2	Benzo(b)fluoranthene	0.011	0.22	ND	U
207-08-9	Benzo(k)fluoranthene	0.011	0.22	ND	U
50-32-8	Benzo(a)pyrene	0.011	0.22	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.011	0.22	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.011	0.22	ND	U
191-24-2	Benzo(g,h,i)perylene	0.011	0.22	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5973hp68.i/DS100714A68.b/1005187-16A68.d
Date : 14-JUL-2010 12:40
Client ID: EB3-052710
Sample Info: 1005187-16:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5973hp68.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5973hp68.i/DS100714A68.b/1005187-16A68.d
Report Date: 20-Jul-2010 16:47

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5973hp68.i/DS100714A68.b/1005187-16A68.d
Lab Smp Id: 1005187-16 Client Smp ID: EB3-052710
Inj Date : 14-JUL-2010 12:40
Operator : OWS Inst ID: 5973hp68.i
Smp Info : 1005187-16:OWS
Misc Info : EB3-052710
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5973hp68.i/DS100714A68.b/SIM_8270Cv3DOD.m
Meth Date : 20-Jul-2010 16:45 mead Quant Type: ISTD
Cal Date : 12-JUL-2010 20:33 Cal File: 0G12007-CAL5A68.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	900.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1	1,4-Dichlorobenzene-d4	152	7.910	7.910	(1.000)	252306	2.00000	(a)
* 2	Naphthalene-d8	136	10.728	10.729	(1.000)	838305	2.00000	(a)
* 3	Acenaphthene-d10	164	14.813	14.813	(1.000)	405692	2.00000	(a)
* 4	Phenanthrene-d10	188	18.214	18.214	(1.000)	607063	2.00000	(a)
* 5	Chrysene-d12	240	24.444	24.444	(1.000)	364252	2.00000	(a)
* 6	Perylene-d12	264	27.558	27.558	(1.000)	236175	2.00000	(a)
$ 9	Nitrobenzene-d5	82	9.225	9.221	(0.860)	99718	0.64819	0.36
$ 10	2-Fluorobiphenyl	172	13.349	13.354	(0.901)	193744	0.67996	0.38
$ 12	Terphenyl-d14	244	22.125	22.125	(0.905)	146865	0.87519	0.49
13	Naphthalene	128	10.763	10.763	(1.003)	162937	0.36581	0.20(a)
15	2-Methylnaphthalene	141	12.374	12.370	(1.153)	27295	0.11739	0.065(a)
17	Acenaphthylene	152	14.433	14.434	(0.974)	9700	0.02480	0.014(a)
18	Acenaphthene	154	Compound Not Detected.					
21	Fluorene	166	16.068	16.064	(1.085)	26619	0.09928	0.055(a)
25	Phenanthrene	178	18.183	18.260	(0.998)	29654	0.08796	0.049(a)

PAM 7/20/10

Data File: /chem/5973hp68.i/DS100714A68.b/1005187-16A68.d
Report Date: 20-Jul-2010 16:47

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
26 Anthracene	178	18.260	18.352	(1.003)	20958	0.06689	0.037(a)
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /chem/5973hp68.i/DS100714A68.b/1005187-16A68.d

Date : 14-JUL-2010 12:40

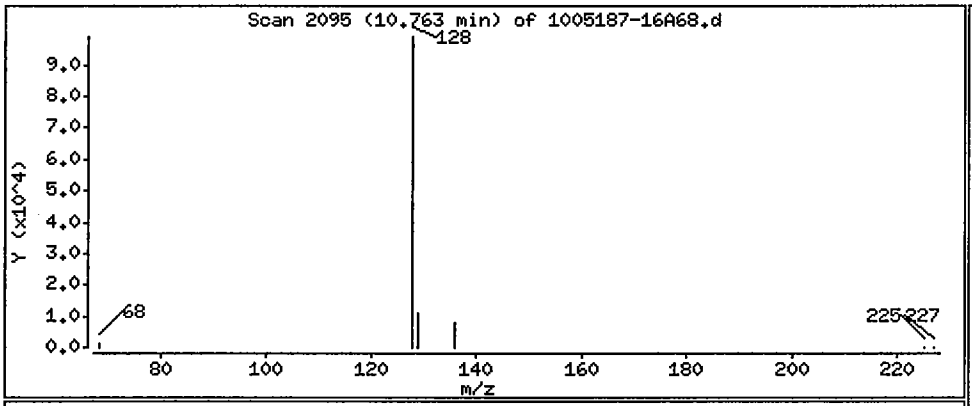
Client ID: EB3-052710 Instrument: 5973hp68.i

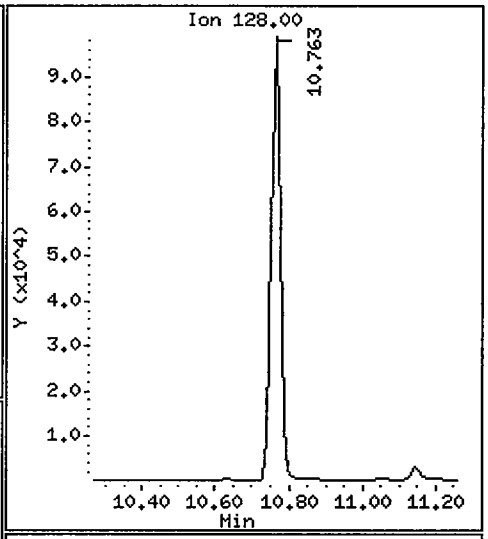
Sample Info: 1005187-16:OWS

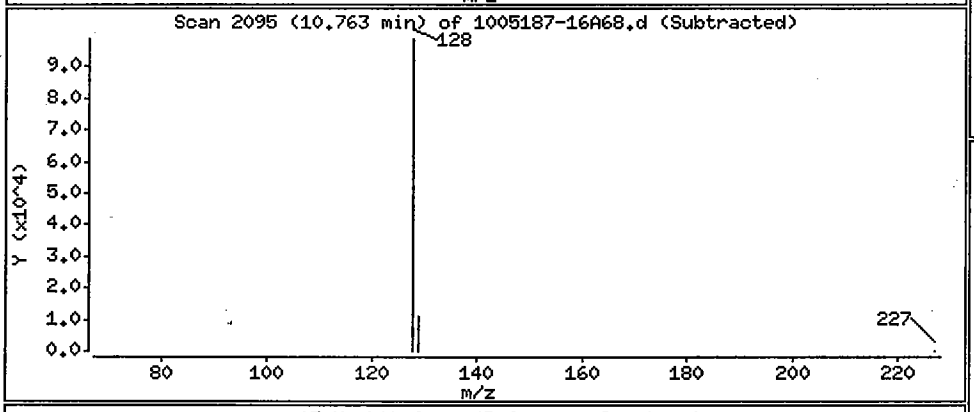
Volume Injected (uL): 2.0 Operator: OWS

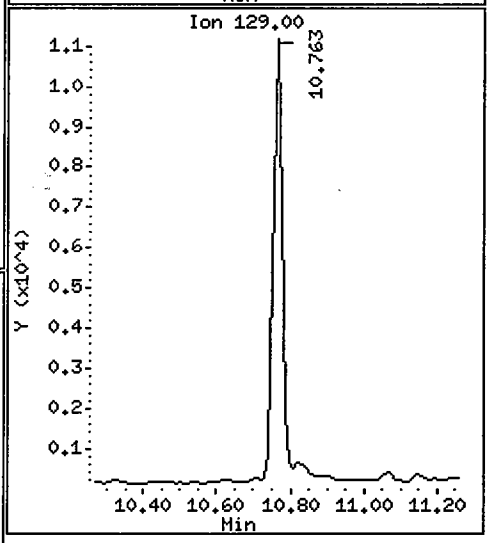
Column phase: Rtx-5MS Column diameter: 0.32

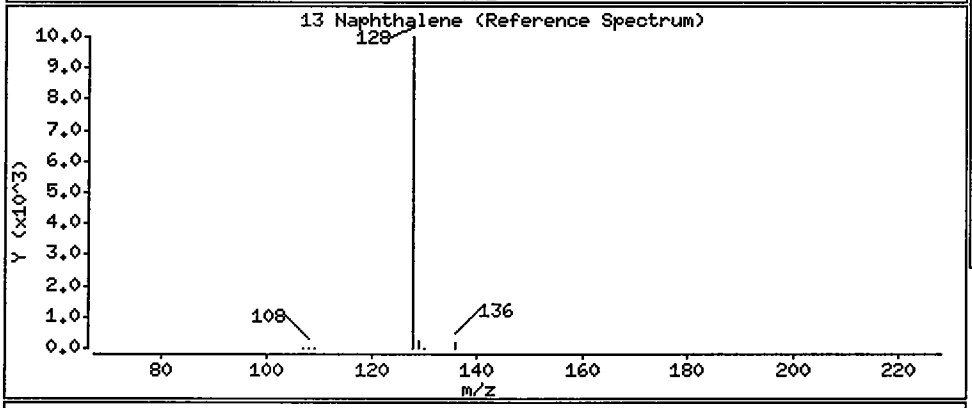
13 Naphthalene Concentration: 0.20 ug/L

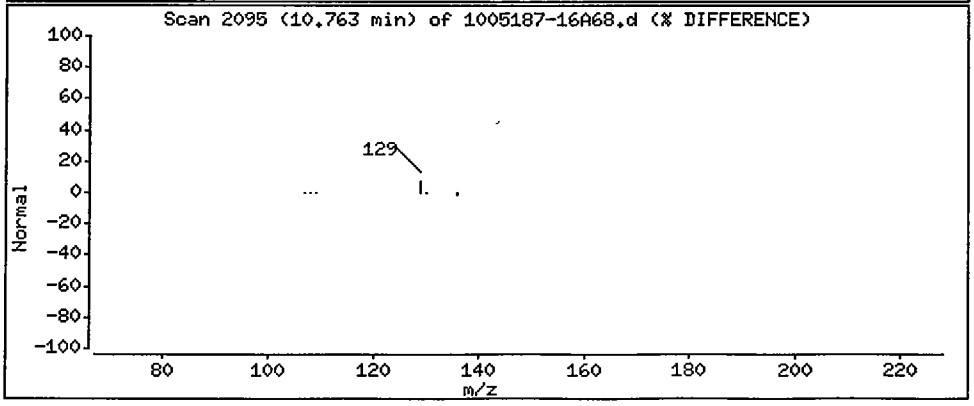












Data File: /chem/5973hp68.i/DS100714A68.b/1005187-16A68.d

Date : 14-JUL-2010 12:40

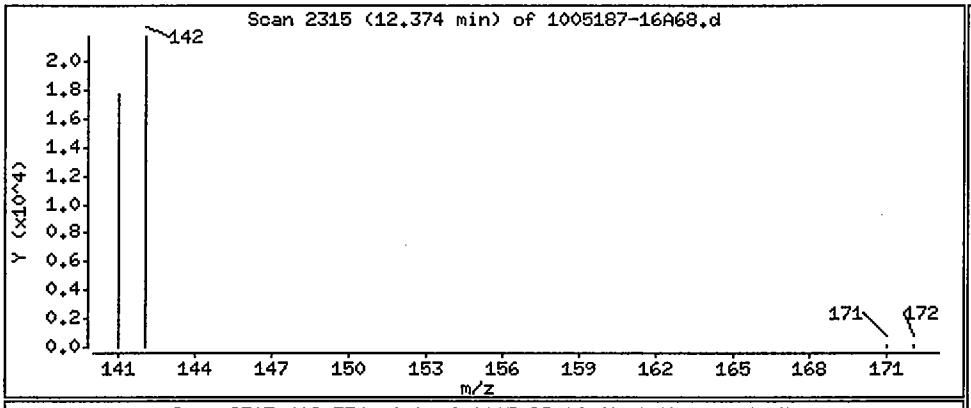
Client ID: EB3-052710 Instrument: 5973hp68.i

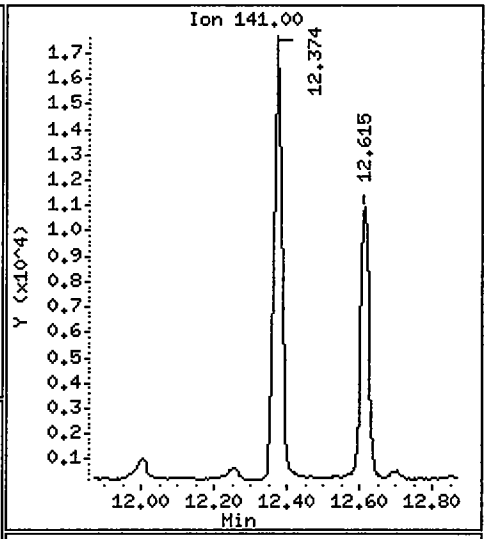
Sample Info: 1005187-16;OWS

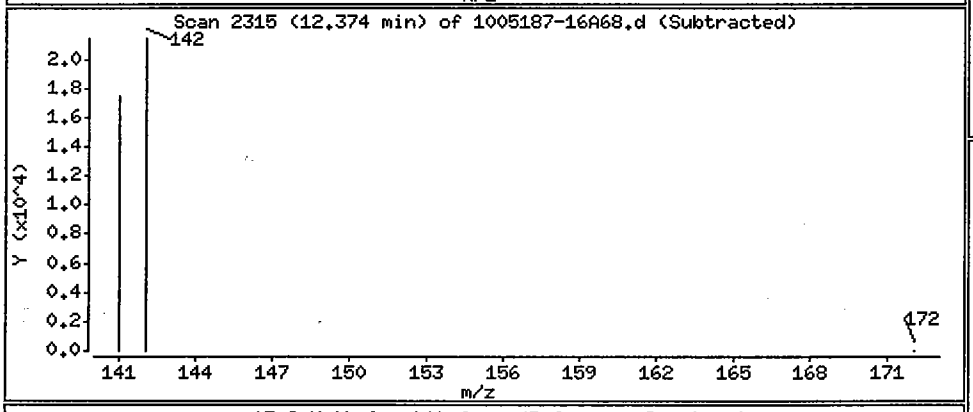
Volume Injected (uL): 2.0 Operator: OWS

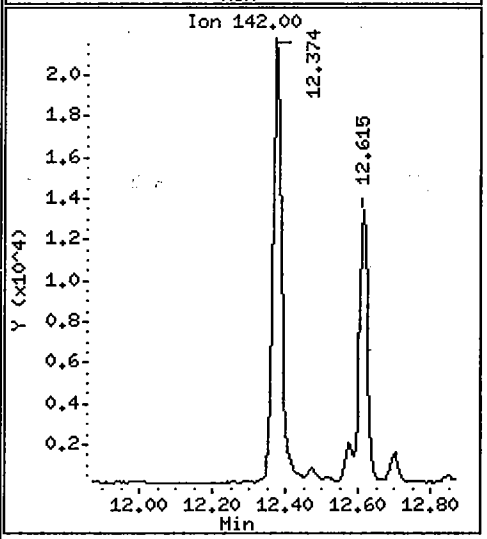
Column phase: Rtx-5MS Column diameter: 0.32

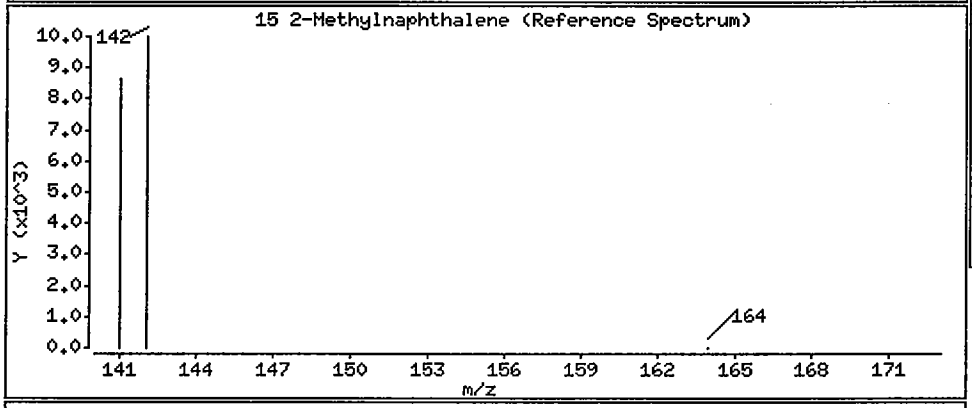
15 2-Methylnaphthalene Concentration: 0.065 ug/L

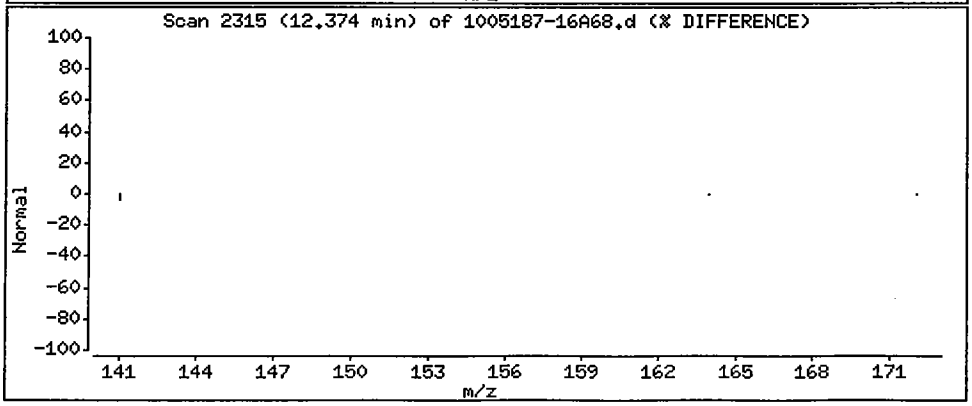












Data File: /chem/5973hp68.i/DS100714A68.b/1005187-16A68.d

Date : 14-JUL-2010 12:40

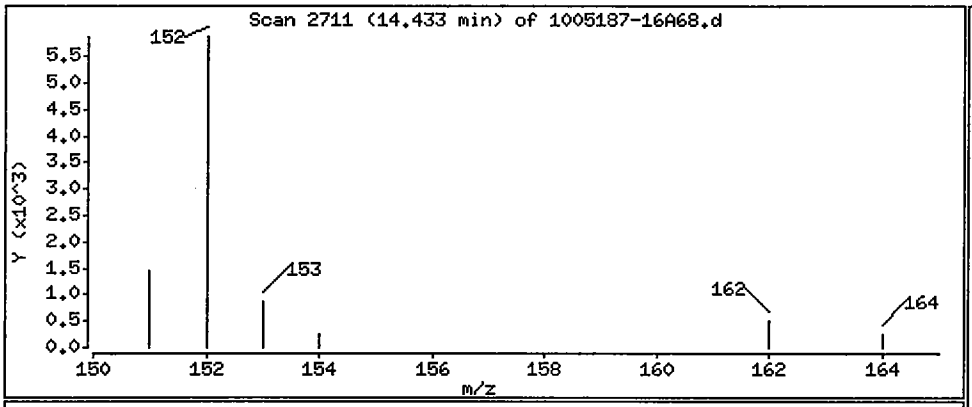
Client ID: EB3-052710 Instrument: 5973hp68.i

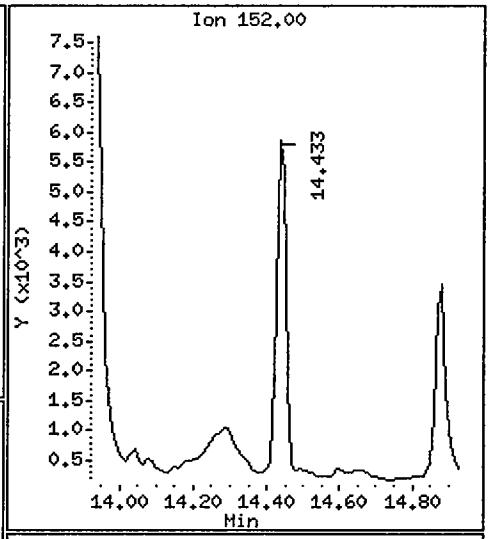
Sample Info: 1005187-16:OWS

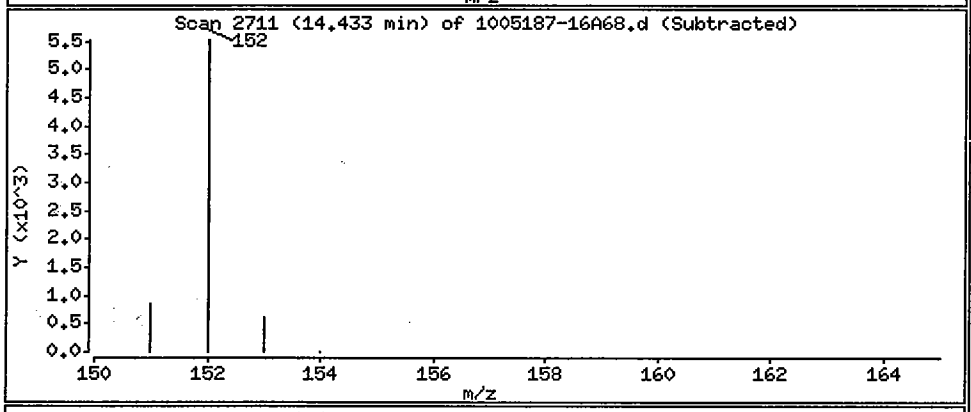
Volume Injected (uL): 2.0 Operator: OWS

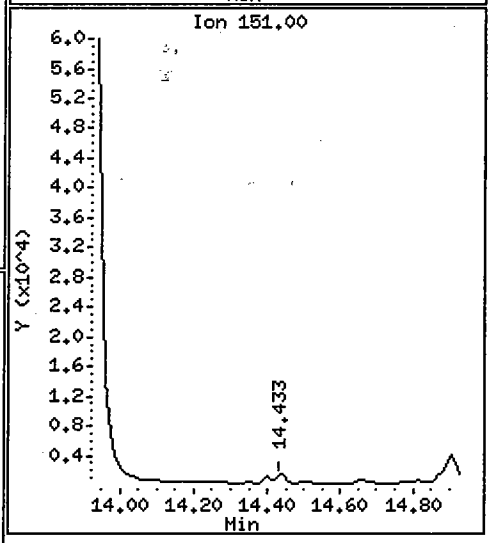
Column phase: Rtx-5MS Column diameter: 0.32

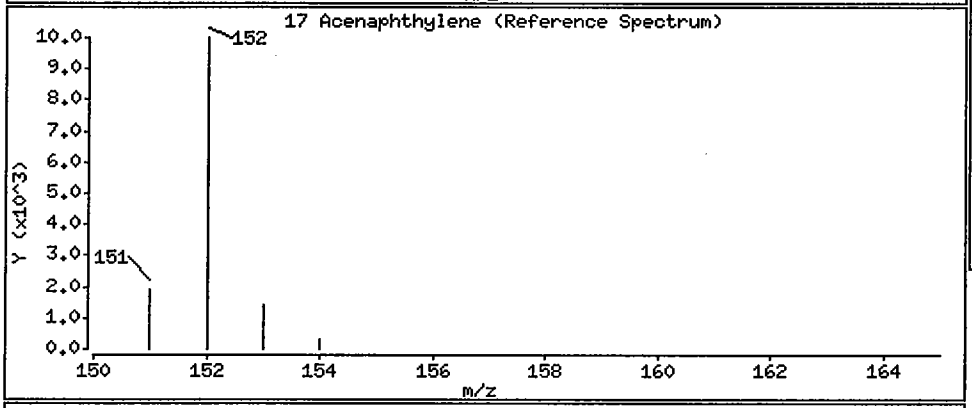
17 Acenaphthylene Concentration: 0.014 ug/L

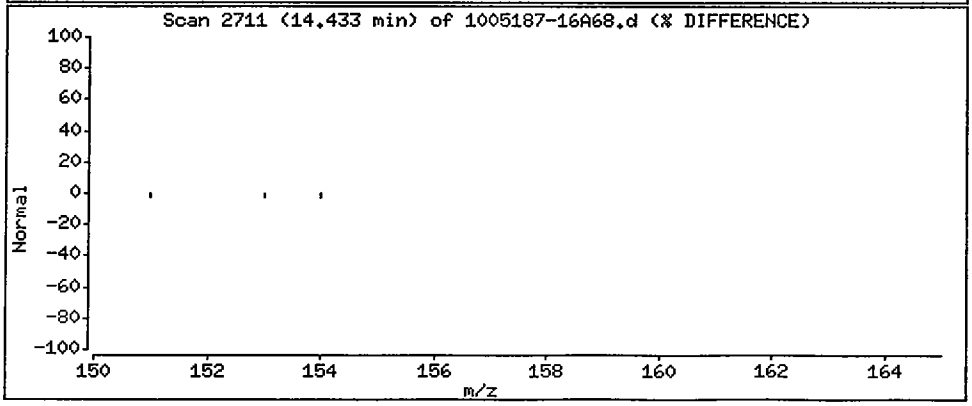












Data File: /chem/5973hp68.i/DS100714A68.b/1005187-16A68.d

Date : 14-JUL-2010 12:40

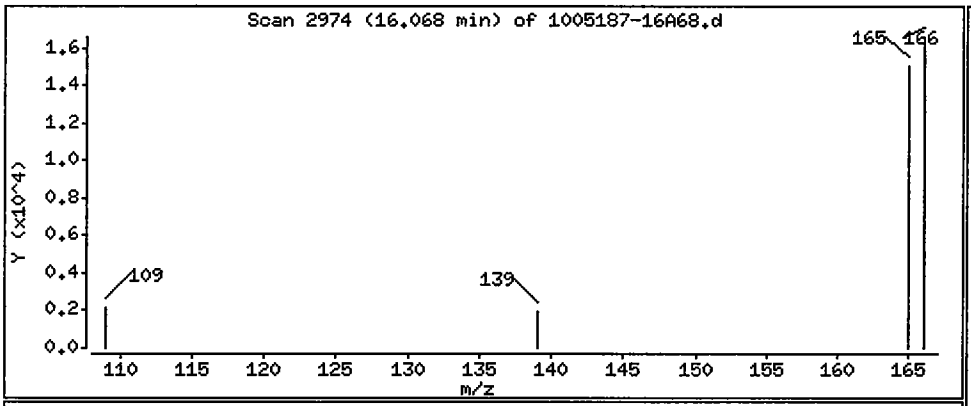
Client ID: EB3-052710 Instrument: 5973hp68.i

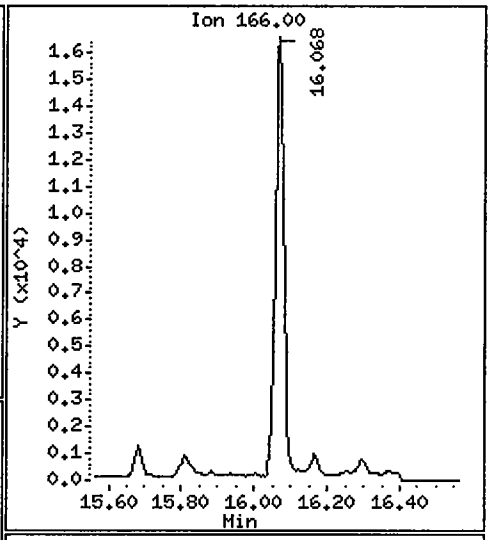
Sample Info: 1005187-16:OWS

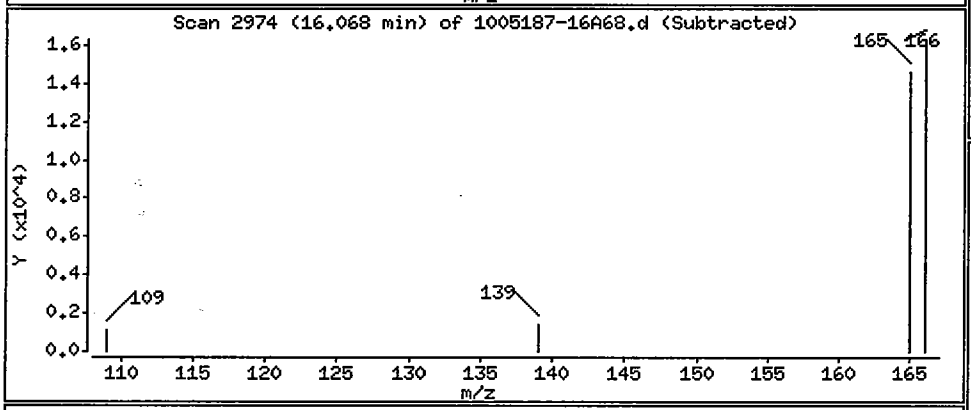
Volume Injected (uL): 2.0 Operator: OWS

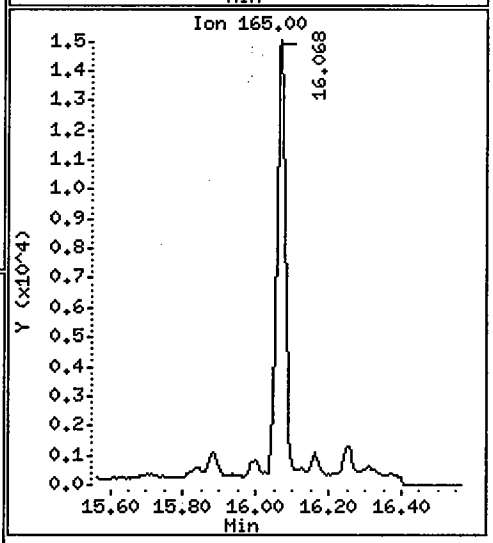
Column phase: Rtx-5MS Column diameter: 0.32

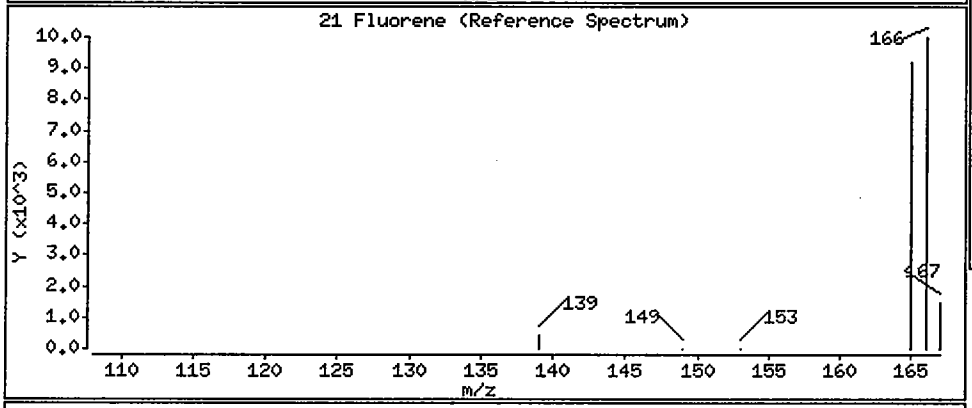
21 Fluorene Concentration: 0.055 ug/L

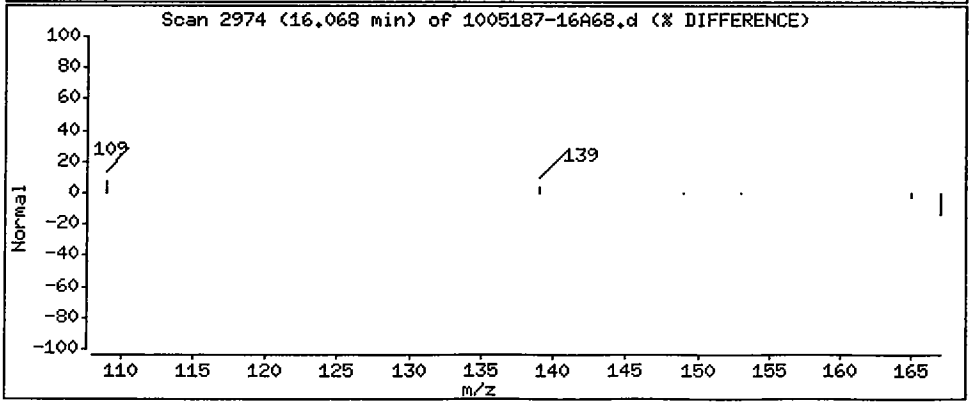












Data File: /chem/5973hp68.i/DS100714A68.b/1005187-16A68.d

Date : 14-JUL-2010 12:40

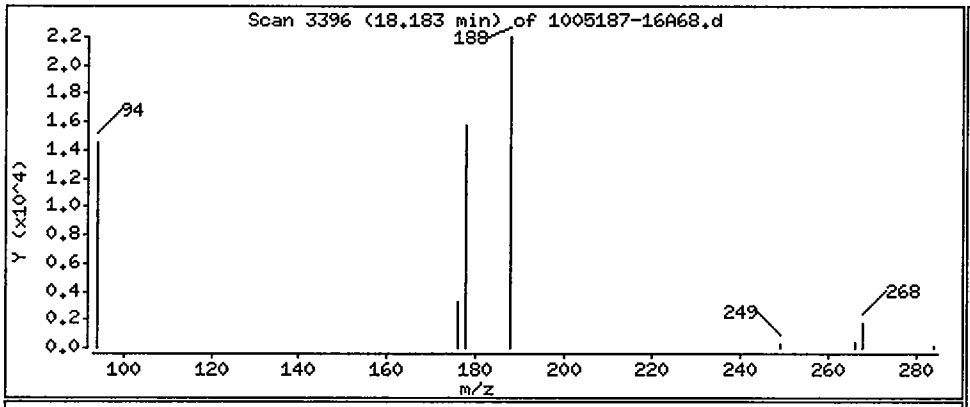
Client ID: EB3-052710 Instrument: 5973hp68.i

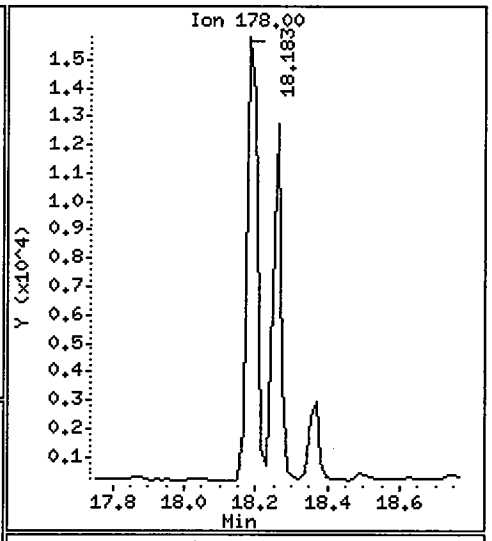
Sample Info: 1005187-16:OWS

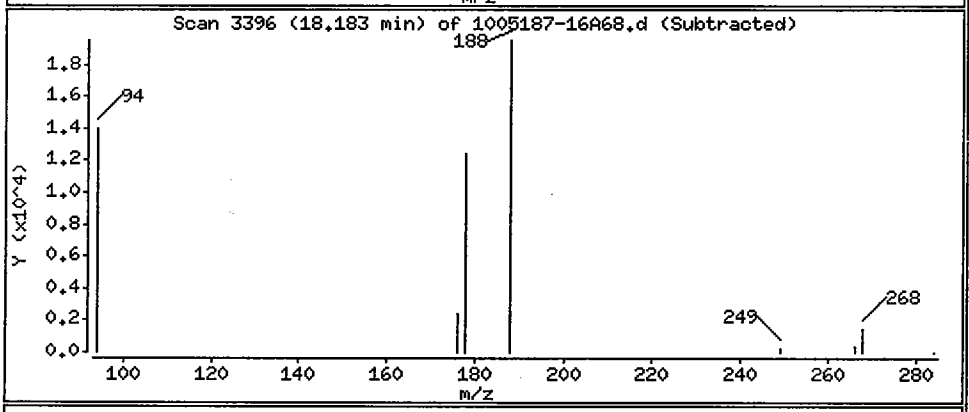
Volume Injected (uL): 2.0 Operator: OWS

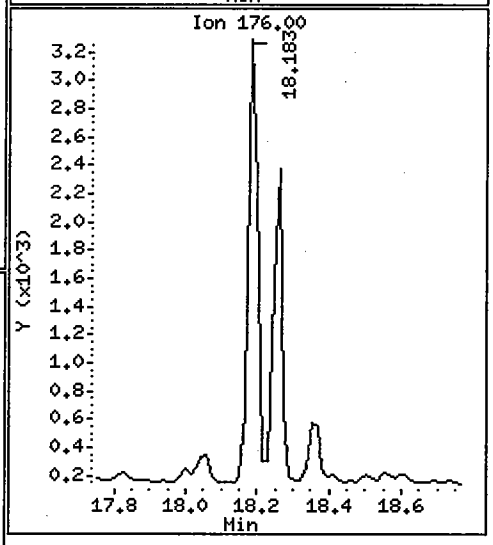
Column phase: Rtx-5MS Column diameter: 0.32

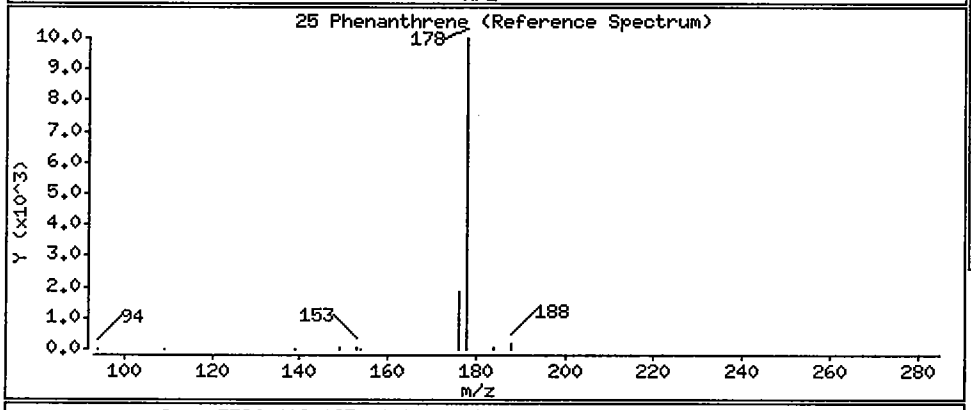
25 Phenanthrene Concentration: 0.049 ug/L

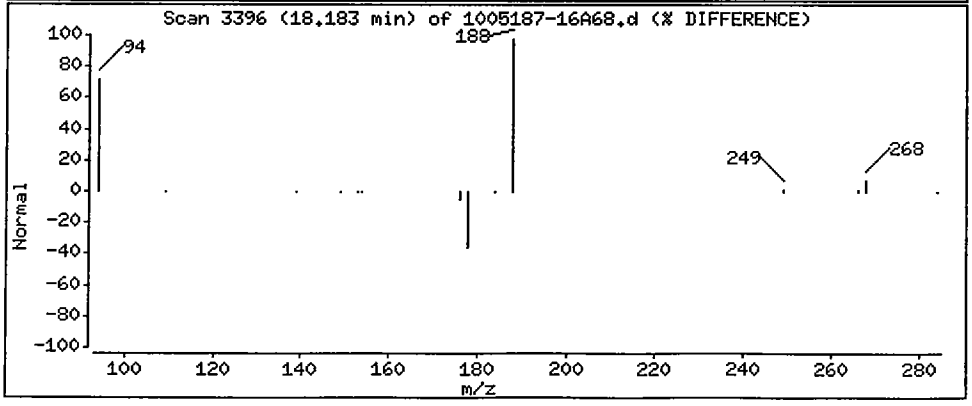












Data File: /chem/5973hp68.i/DS100714A68.b/1005187-16A68.d

Date : 14-JUL-2010 12:40

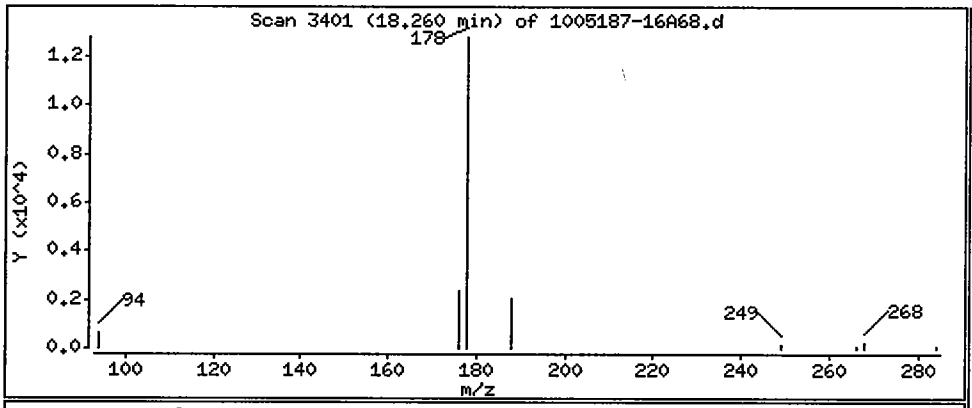
Client ID: EB3-052710 Instrument: 5973hp68.i

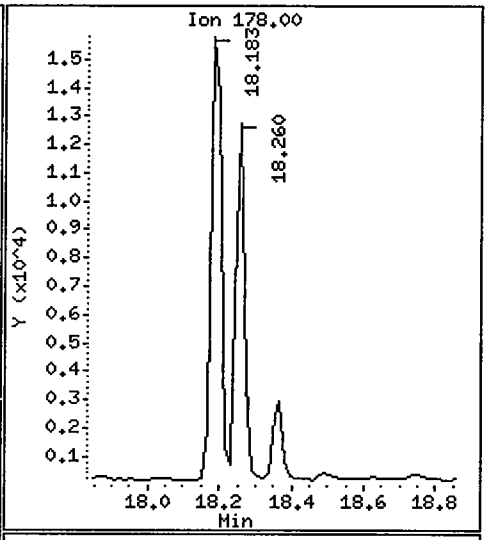
Sample Info: 1005187-16;OWS

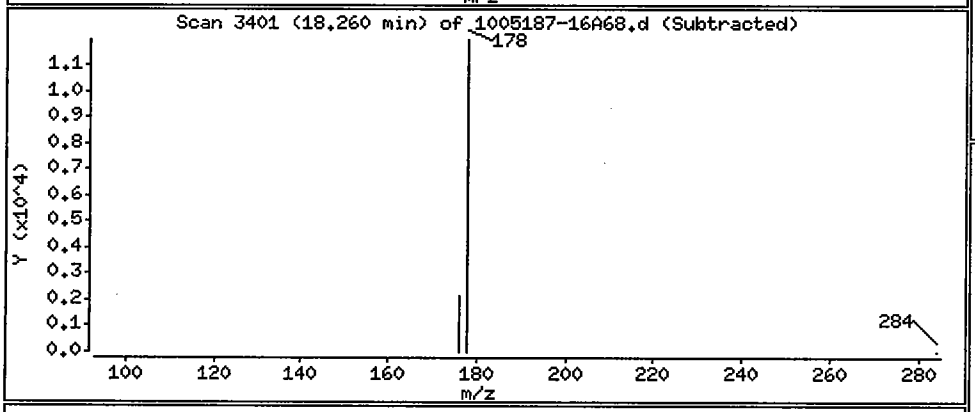
Volume Injected (uL): 2.0 Operator: OWS

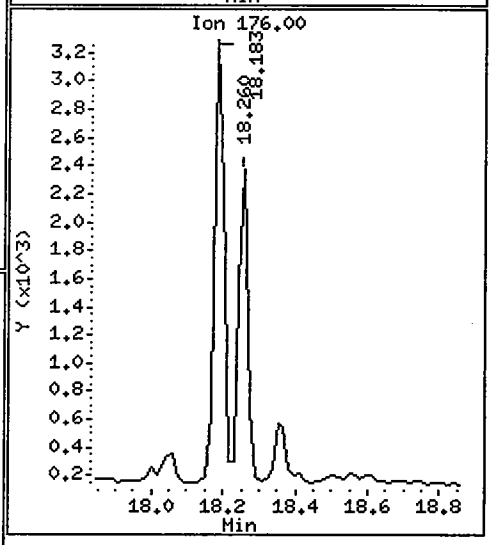
Column phase: Rtx-5MS Column diameter: 0.32

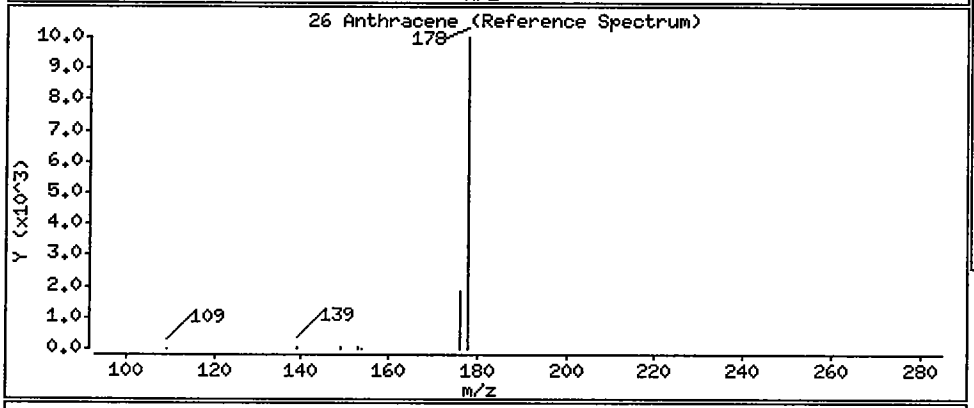
26 Anthracene Concentration: 0.037 ug/L

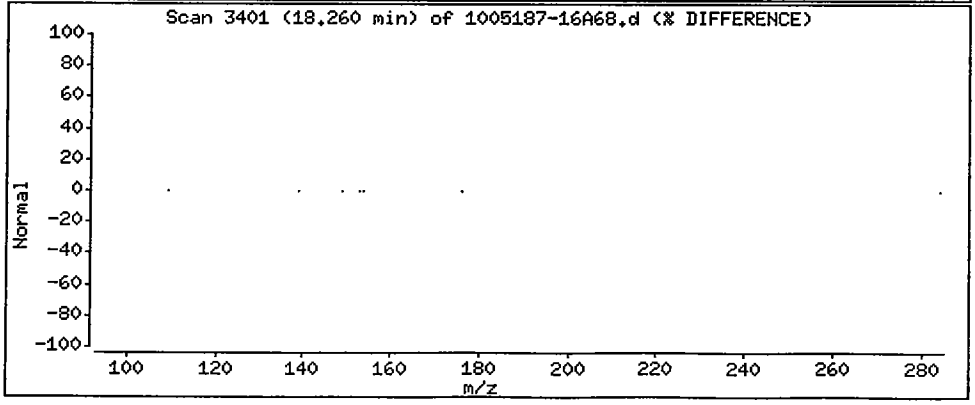












1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: FB-052510

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/25/10

Lab Sample ID: 1005187-02
Sample wt/vol: 1000 (g/mL) ML
Level: (low/med) LOW

Date Received: 05/25/10
Lab File ID: 1005187-02A66
Analyst: RKM

% Moisture: _____ decanted: (Y/N)___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052635-BLK1

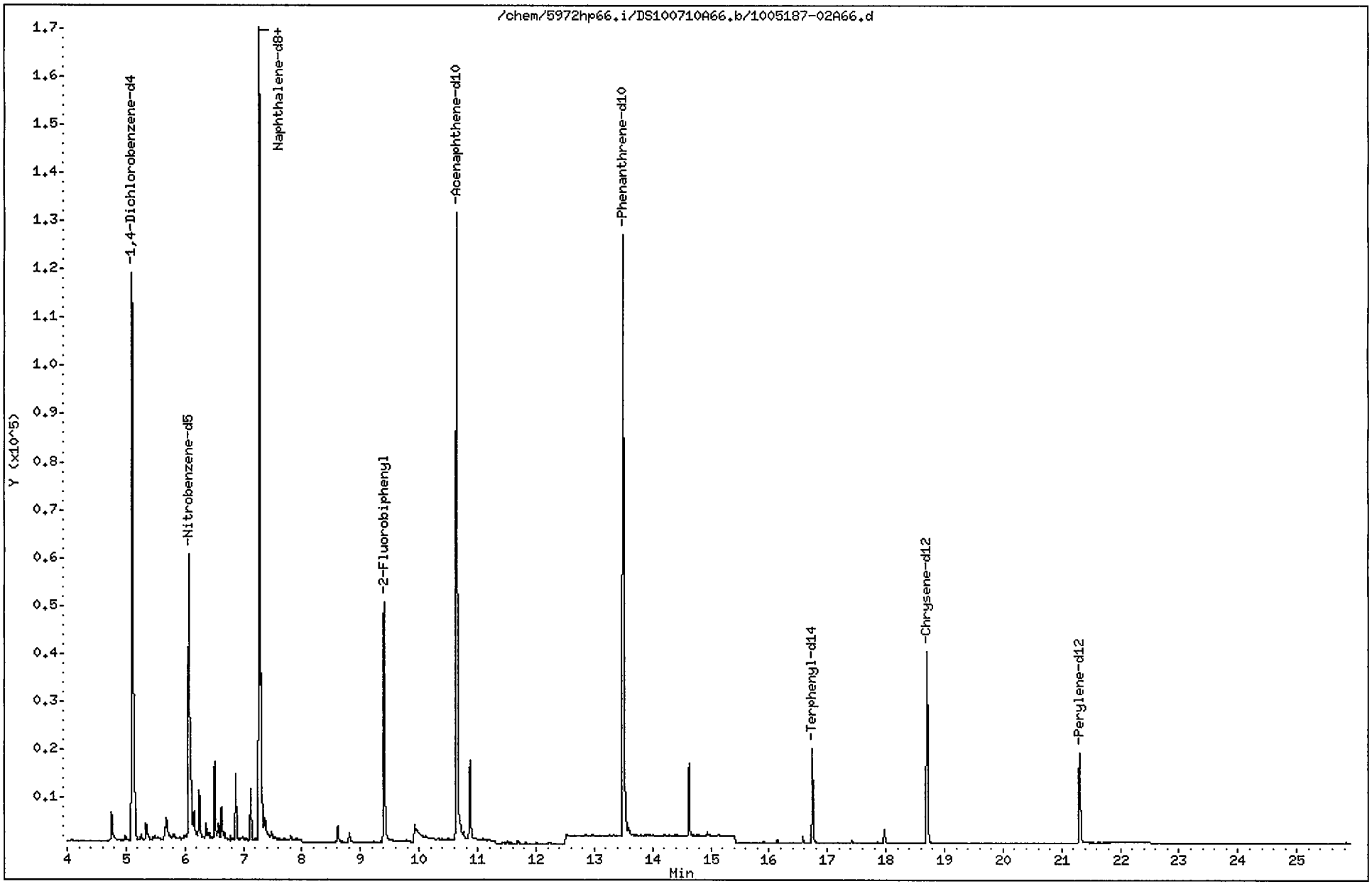
Date Extracted: 05/26/10
Date Analyzed: 07/10/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.030	0.20	0.12	J
91-57-6	2-Methylnaphthalene	0.015	0.20	0.017	J
208-96-8	Acenaphthylene	0.0100	0.20	ND	U
83-32-9	Acenaphthene	0.035	0.20	ND	U
86-73-7	Fluorene	0.045	0.20	ND	U
85-01-8	Phenanthrene	0.035	0.20	ND	U
120-12-7	Anthracene	0.020	0.20	ND	U
206-44-0	Fluoranthene	0.0100	0.20	ND	U
129-00-0	Pyrene	0.0100	0.20	ND	U
56-55-3	Benzo(a)anthracene	0.020	0.20	ND	U
218-01-9	Chrysene	0.015	0.20	ND	U
205-99-2	Benzo(b)fluoranthene	0.0100	0.20	ND	U
207-08-9	Benzo(k)fluoranthene	0.0100	0.20	ND	U
50-32-8	Benzo(a)pyrene	0.0100	0.20	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.0100	0.20	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.0100	0.20	ND	U
191-24-2	Benzo(g,h,i)perylene	0.0100	0.20	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp66.i/DS100710A66.b/1005187-02A66.d
Date : 10-JUL-2010 11:35
Client ID: FB-052510
Sample Info: 1005187-02:RKM
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: RKM
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100710A66.b/1005187-02A66.d
Report Date: 13-Jul-2010 11:10

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100710A66.b/1005187-02A66.d
Lab Smp Id: 1005187-02 Client Smp ID: FB-052510
Inj Date : 10-JUL-2010 11:35
Operator : RKM Inst ID: 5972hp66.i
Smp Info : 1005187-02:RKM
Misc Info : FB-052510
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100710A66.b/SIM_8270Cv3DOD.m
Meth Date : 13-Jul-2010 10:56 byrd Quant Type: ISTD
Cal Date : 09-JUL-2010 16:49 Cal File: 0G09004-CAL5A66.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	5.106	5.102	(1.000)	83870	2.00000	
* 2 Naphthalene-d8	136	7.274	7.270	(1.000)	216072	2.00000	
* 3 Acenaphthene-d10	164	10.639	10.640	(1.000)	104992	2.00000	
* 4 Phenanthrene-d10	188	13.500	13.495	(1.000)	137676	2.00000	
* 5 Chrysene-d12	240	18.702	18.698	(1.000)	48537	2.00000	
* 6 Perylene-d12	264	21.306	21.302	(1.000)	26227	2.00000	
$ 9 Nitrobenzene-d5	82	6.072	6.068	(0.835)	72885	0.64809	0.32
$ 10 2-Fluorobiphenyl	172	9.402	9.399	(0.884)	57083	0.61712	0.31
$ 12 Terphenyl-d14	244	16.743	16.743	(0.895)	21161	1.18424	0.59
13 Naphthalene	128	7.305	7.301	(1.004)	39848	0.23795	0.12(a)
15 2-Methylnaphthalene	141	8.608	8.605	(1.183)	2366	0.03389	0.017(a)
17 Acenaphthylene	152	Compound Not Detected.					
18 Acenaphthene	154	Compound Not Detected.					
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					

JT 7/13/10

Data File: /chem/5972hp66.i/DS100710A66.b/1005187-02A66.d
Report Date: 13-Jul-2010 11:10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /chem/5972hp66.i/DS100710A66.b/1005187-02A66.d

Date : 10-JUL-2010 11:35

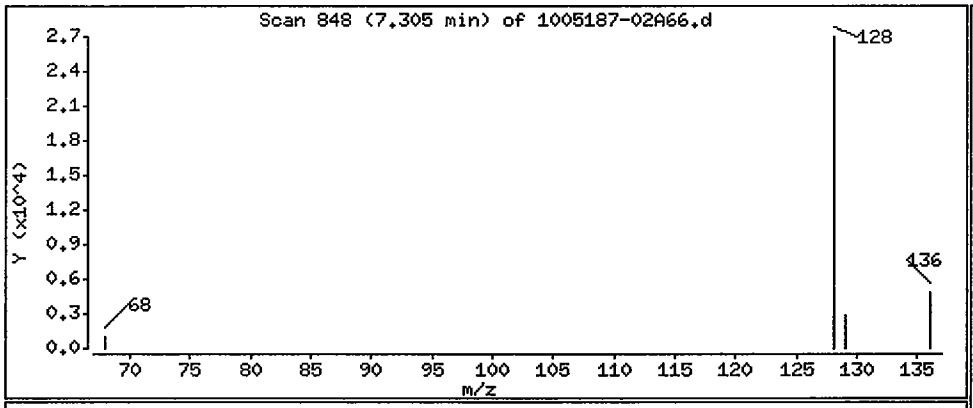
Client ID: FB-052510 Instrument: 5972hp66.i

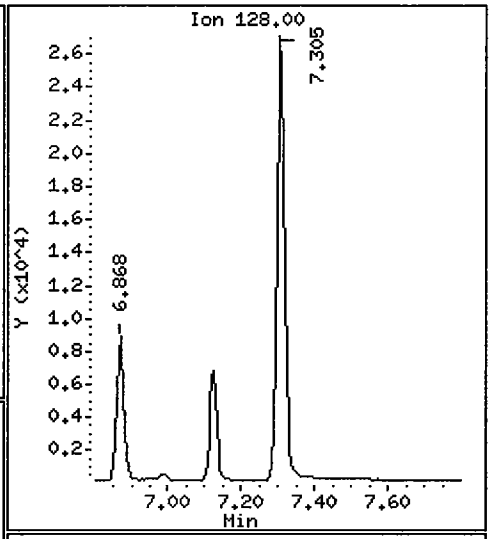
Sample Info: 1005187-02:RKM

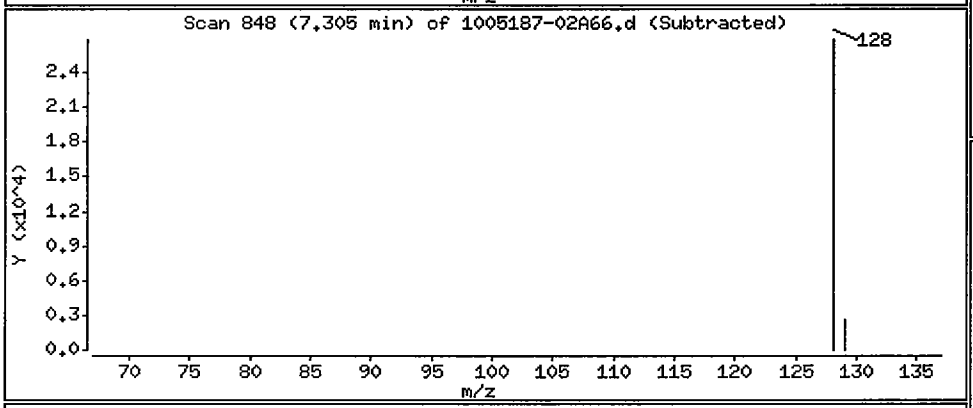
Volume Injected (uL): 2.0 Operator: RKM

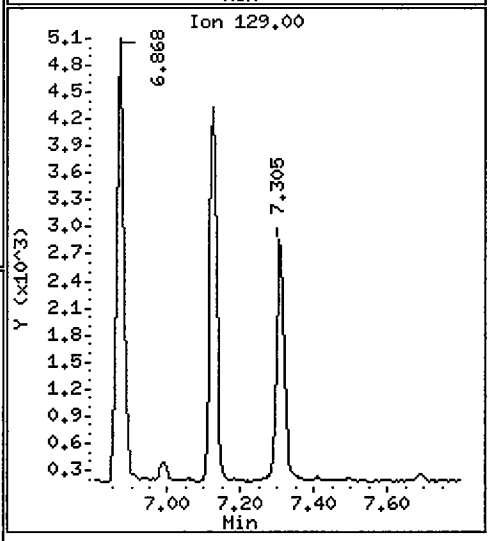
Column phase: Rtx-5MS Column diameter: 0.32

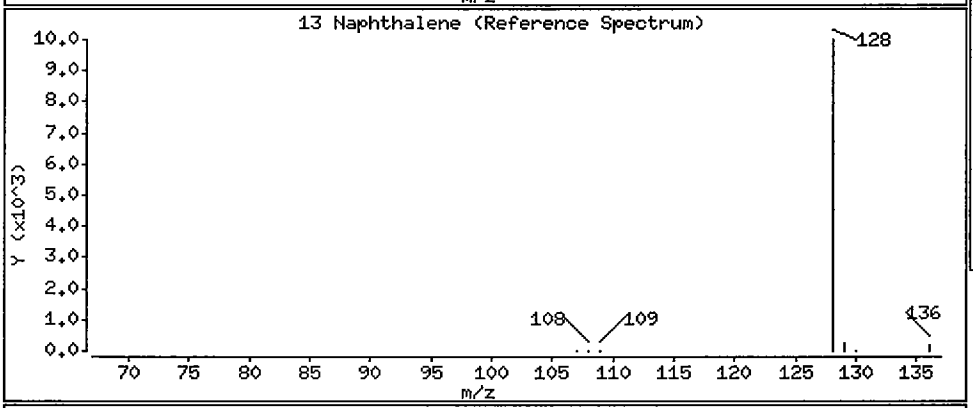
13 Naphthalene Concentration: 0.12 ug/L

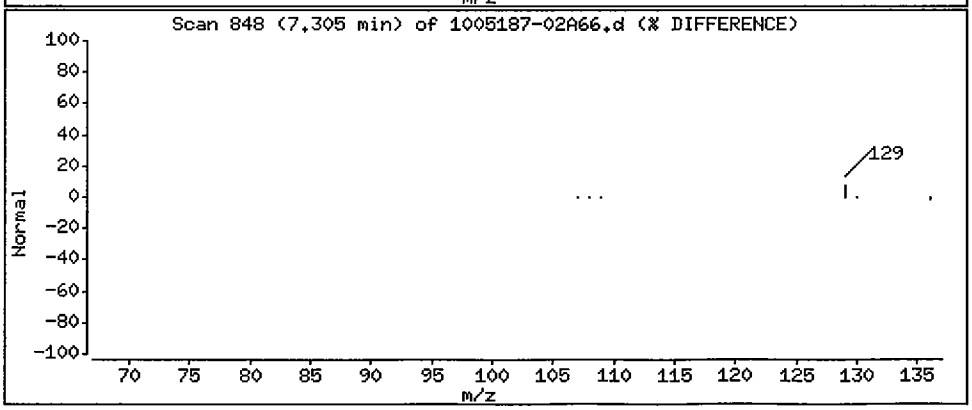












Data File: /chem/5972hp66.i/DS100710A66.b/1005187-02A66.d

Date : 10-JUL-2010 11:35

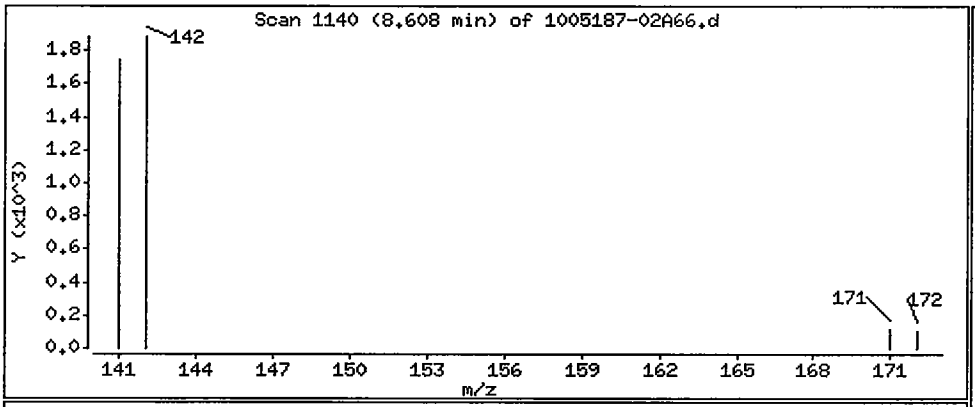
Client ID: FB-052510 Instrument: 5972hp66.i

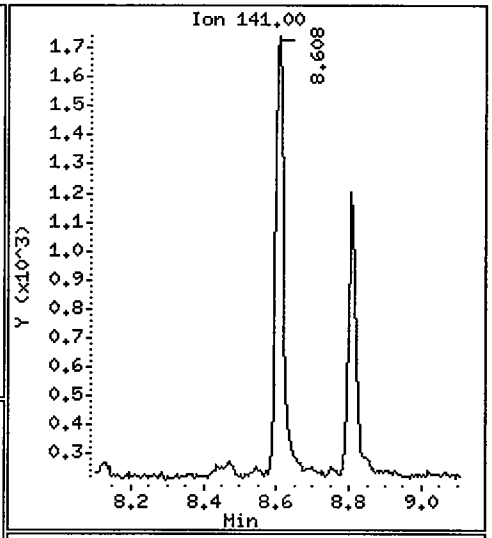
Sample Info: 1005187-02:RKM

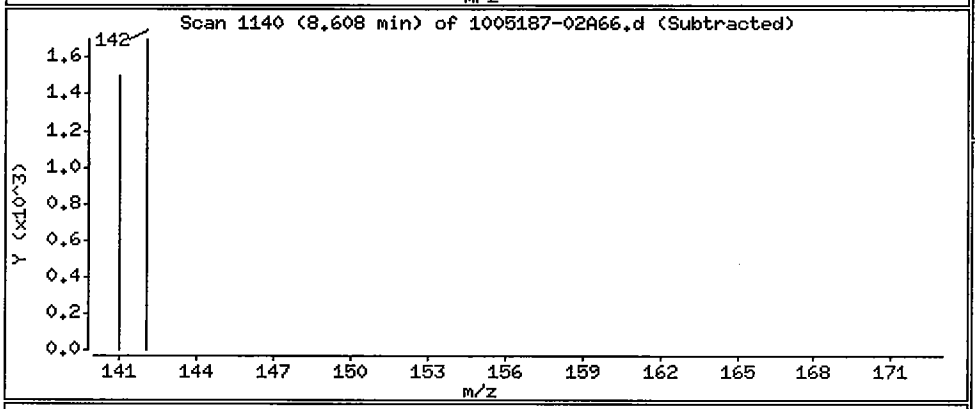
Volume Injected (uL): 2.0 Operator: RKM

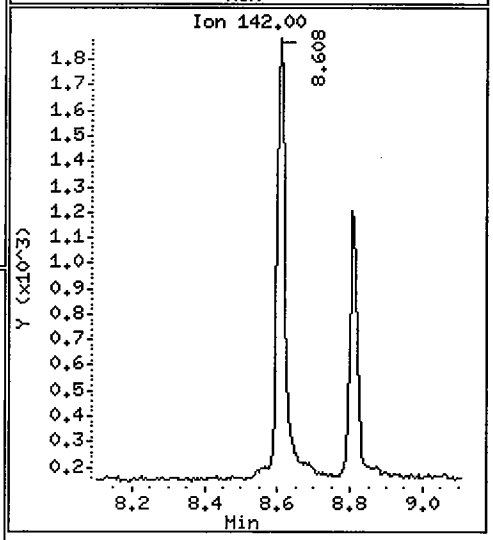
Column phase: Rtx-5MS Column diameter: 0.32

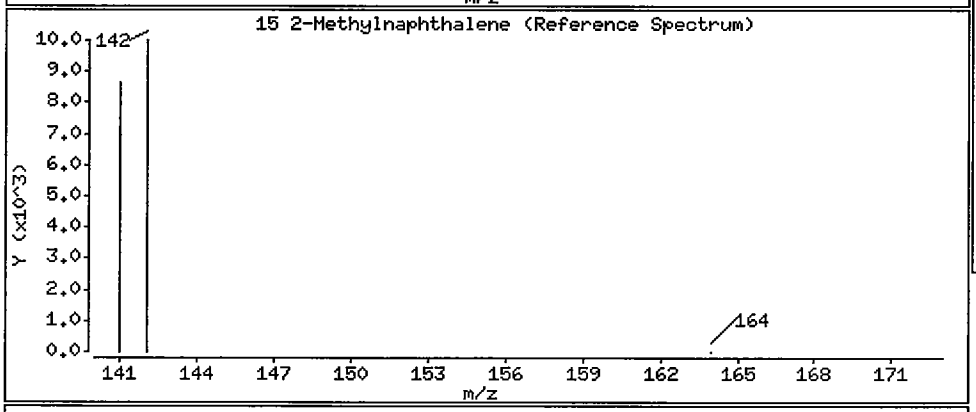
15 2-Methylnaphthalene Concentration: 0.017 ug/L

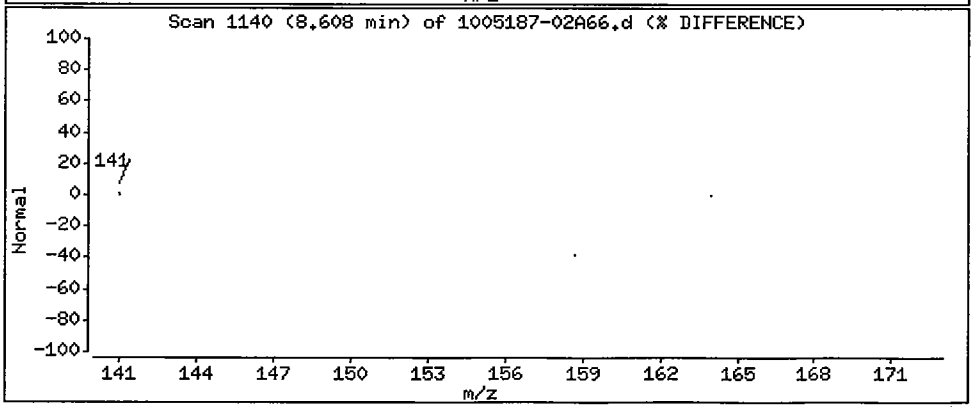












3. Standards Data

a. Initial Calibration Data (Form VI SV)

b. Continuing Calibration Data (Form VII SV)

a. Initial Calibration Data (Form VI SV)

If more than one instrument is used, forms shall be arranged in order by instrument. Multiple initial calibrations from the same instrument shall be in chronological order. Within each initial calibration, the standards are in order by level, from lowest to highest.

(1) Chromatograms and quantitation reports for the initial (five-point) calibration.
Spectra not required.

(2) EICPs displaying each manual integration.

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Instrument ID: 5972HP66 Calibration Date(s): 07/09/10 07/09/10

Column: RTX-5MS ID: 0.32 (mm) Calibration Time(s): 1433 1649

LAB FILE ID: RF0.4: 0G09004-CALRF1.2: 0G09004-CALRF3: 0G09004-CAL3A
RF5: 0G09004-CAL4ARF10: 0G09004-CAL5

COMPOUND	RF0.4	RF1.2	RF3	RF5	RF10
Naphthalene	1.554	1.563	1.548	1.531	1.555
2-Methylnaphthalene	0.644	0.660	0.635	0.638	0.654
Acenaphthylene	2.220	2.189	2.261	2.252	2.225
Acenaphthene	1.468	1.364	1.398	1.357	1.346
Fluorene	1.482	1.472	1.521	1.507	1.474
Phenanthrene	1.351	1.297	1.286	1.236	1.112
Anthracene	1.163	1.172	1.180	1.134	1.048
Fluoranthene	0.925	0.969	1.043	1.000	0.926
Pyrene	2.345	1.999	2.037	2.027	1.640
Benzo(a)anthracene	1.227	1.078	1.074	1.090	0.899
Chrysene	1.310	1.134	1.109	1.117	0.901
Benzo(b)fluoranthene	1.466	1.336	1.354	1.323	1.078
Benzo(k)fluoranthene	1.600	1.356	1.452	1.459	1.174
Benzo(a)pyrene	1.341	1.180	1.220	1.222	1.056
Indeno(1,2,3-cd)pyrene	1.198	1.046	1.043	1.052	0.969
Dibenzo(a,h)anthracene	1.019	0.902	0.892	0.937	0.869
Benzo(g,h,i)perylene	1.406	1.236	1.183	1.178	1.048
Nitrobenzene-d5	1.027	1.052	1.035	1.046	1.045
2-Fluorobiphenyl	1.795	1.752	1.828	1.752	1.683
Terphenyl-d14	0.848	0.728	0.753	0.746	0.606

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Instrument ID: 5972HP66 Calibration Date(s): 07/09/10 07/09/10

Column: RTX-5MS ID: 0.32 (mm) Calibration Time(s): 1433 1649

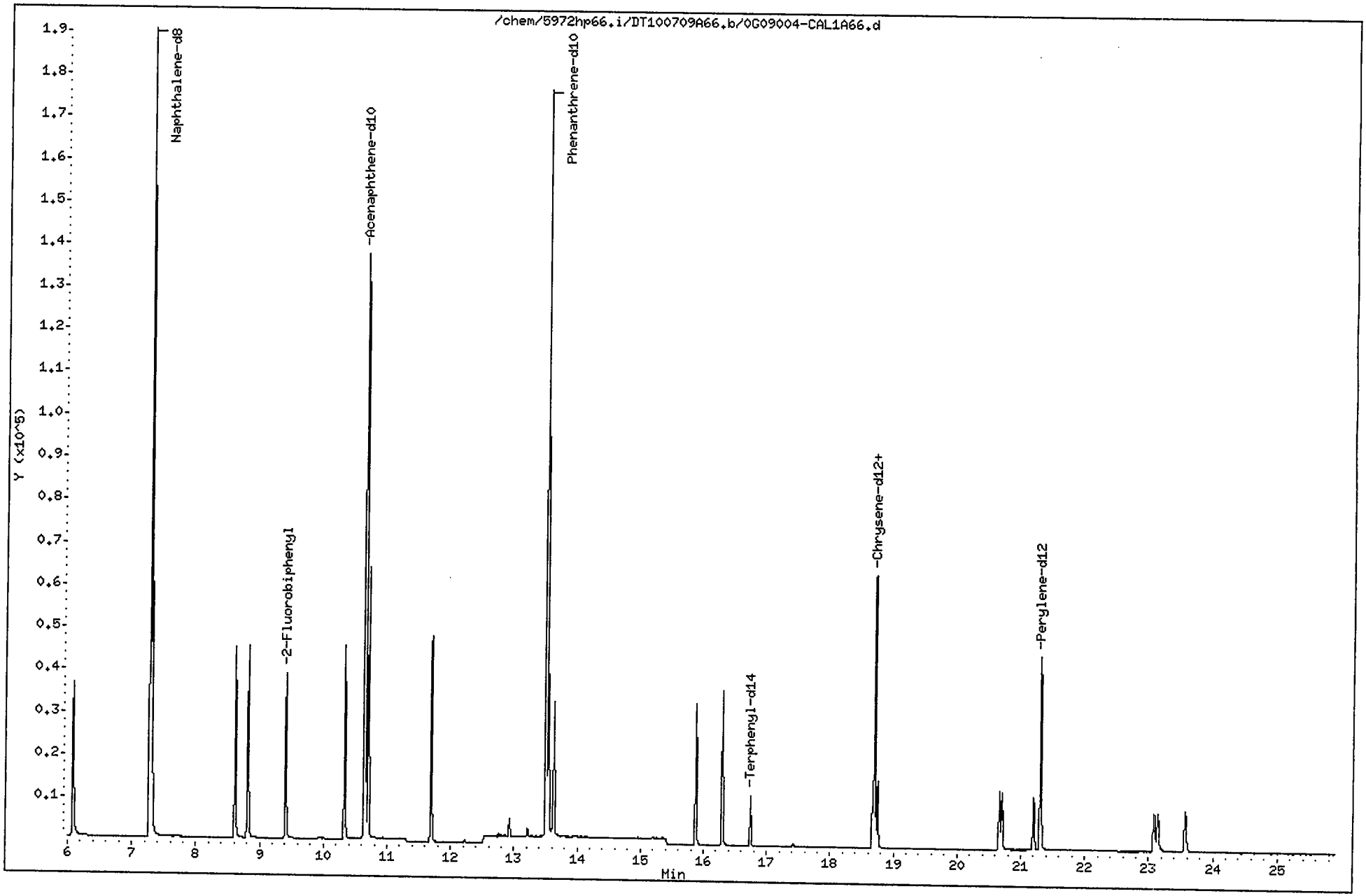
COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2
Naphthalene	AVRG	1.55006957	0.766	15.000
2-Methylnaphthalene	AVRG	0.64616427	1.612	15.000
Acenaphthylene	AVRG	2.22947086	1.270	15.000
Acenaphthene	AVRG	1.38641813	3.569	30.000
Fluorene	AVRG	1.49138323	1.459	15.000
Phenanthrene	AVRG	1.25648948	7.195	15.000
Anthracene	AVRG	1.13943818	4.728	15.000
Fluoranthene	AVRG	0.97269424	5.180	30.000
Pyrene	AVRG	2.00964923	12.448	15.000
Benzo(a)anthracene	AVRG	1.07370437	10.859	15.000
Chrysene	AVRG	1.11407718	13.019	15.000
Benzo(b)fluoranthene	AVRG	1.31149656	10.855	15.000
Benzo(k)fluoranthene	AVRG	1.40838671	11.172	15.000
Benzo(a)pyrene	AVRG	1.20383331	8.501	30.000
Indeno(1,2,3-cd)pyrene	AVRG	1.06154099	7.850	15.000
Dibenzo(a,h)anthracene	AVRG	0.92407122	6.326	15.000
Benzo(g,h,i)perylene	AVRG	1.21032600	10.675	15.000
Nitrobenzene-d5	AVRG	1.04096242	0.958	15.000
2-Fluorobiphenyl	AVRG	1.76200783	3.091	15.000
Terphenyl-d14	AVRG	0.73629866	11.739	15.000

FORM VI SV

Data File: /chem/5972hp66.i/DT100709A66.b/0G09004-CAL1A66.d
Date : 09-JUL-2010 14:33
Client ID: SSTD0.4X6
Sample Info: SSTD0.4X6:RKM
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i

Operator: RKM
Column diameter: 0.32



Data File: /chem/5972hp66.i/DT100709A66.b/0G09004-CAL1A66.d
Report Date: 12-Jul-2010 15:39

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DT100709A66.b/0G09004-CAL1A66.d
Lab Smp Id: 0G09004-CAL1 Client Smp ID: SSTD0.4X6
Inj Date : 09-JUL-2010 14:33
Operator : RKM Inst ID: 5972hp66.i
Smp Info : SSTD0.4X6:RKM
Misc Info : SSTD0.4X6
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DT100709A66.b/SIM_8270Cv3DOD.m
Meth Date : 12-Jul-2010 12:43 byrd Quant Type: ISTD
Cal Date : 09-JUL-2010 14:33 Cal File: 0G09004-CAL1A66.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH+1.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	5.110	5.110	(1.000)	85282	2.00000	
* 2 Naphthalene-d8	136	7.276	7.278	(1.000)	237240	2.00000	
* 3 Acenaphthene-d10	164	10.652	10.653	(1.000)	113878	2.00000	
* 4 Phenanthrene-d10	188	13.500	13.504	(1.000)	166361	2.00000	
* 5 Chrysene-d12	240	18.702	18.706	(1.000)	68644	2.00000	
* 6 Perylene-d12	264	21.307	21.306	(1.000)	57704	2.00000	
$ 9 Nitrobenzene-d5	82	6.076	6.072	(0.835)	48723	0.40000	0.39
$ 10 2-Fluorobiphenyl	172	9.407	9.408	(0.883)	40880	0.40000	0.41
$ 12 Terphenyl-d14	244	16.746	16.747	(0.895)	11649	0.40000	0.46
13 Naphthalene	128	7.311	7.309	(1.005)	73726	0.40000	0.40
15 2-Methylnaphthalene	141	8.609	8.610	(1.183)	30558	0.40000	0.40
16 1-Methylnaphthalene	142	8.812	8.813	(1.211)	33124	0.40000	0.40
17 Acenaphthylene	152	10.328	10.329	(0.970)	50563	0.40000	0.40
18 Acenaphthene	154	10.698	10.710	(1.004)	33428	0.40000	0.42
21 Fluorene	166	11.691	11.696	(1.097)	33745	0.40000	0.40

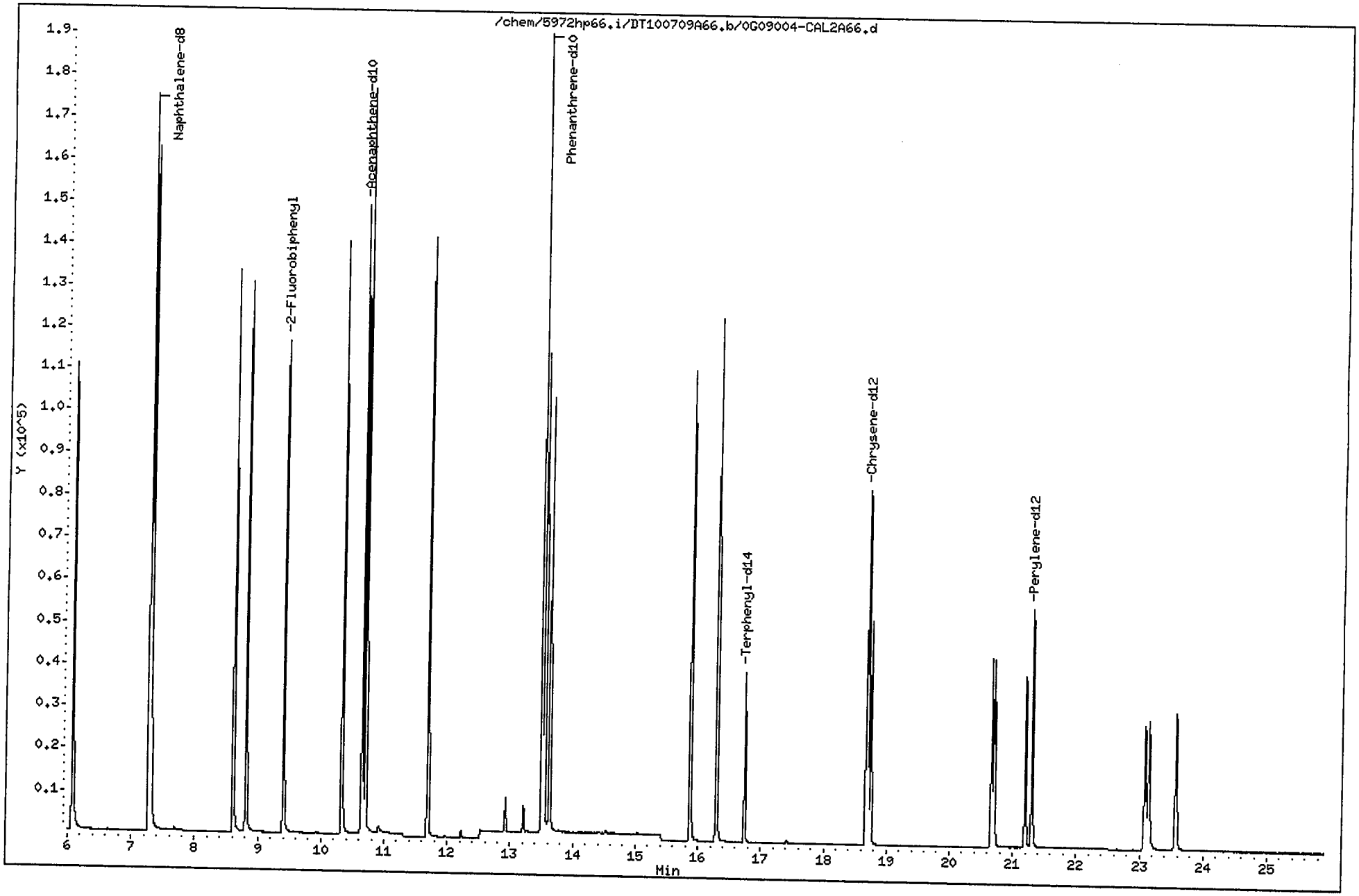
Data File: /chem/5972hp66.i/DT100709A66.b/0G09004-CAL1A66.d
Report Date: 12-Jul-2010 15:39

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
25 Phenanthrene	178	13.544	13.548	(1.003)	44950	0.40000	0.43
26 Anthracene	178	13.628	13.632	(1.009)	38700	0.40000	0.41
27 Fluoranthene	202	15.877	15.882	(1.176)	30780	0.40000	0.38
28 Pyrene	202	16.296	16.297	(0.871)	32193	0.40000	0.47
29 Benzo(a)anthracene	228	18.672	18.675	(0.998)	16844	0.40000	0.46
30 Chrysene	228	18.746	18.754	(1.002)	17986	0.40000	0.47
31 Benzo(b)fluoranthene	252	20.663	20.671	(0.970)	16921	0.40000	0.45
32 Benzo(k)fluoranthene	252	20.707	20.710	(0.972)	18467	0.40000	0.45
33 Benzo(a)pyrene	252	21.201	21.204	(0.995)	15479	0.40000	0.45
34 Indeno(1,2,3-cd)pyrene	276	23.083	23.092	(1.083)	13824	0.40000	0.45
35 Dibenzo(a,h)anthracene	278	23.144	23.150	(1.086)	11761	0.40000	0.44
36 Benzo(g,h,i)perylene	276	23.568	23.587	(1.106)	16221	0.40000	0.46

Data File: /chem/5972hp66.i/DT100709A66.b/0G09004-CAL2A66.d
Date : 09-JUL-2010 15:07
Client ID: SSTD1.2X6
Sample Info: SSTD1.2X6:RKM
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i

Operator: RKM
Column diameter: 0.32



Data File: /chem/5972hp66.i/DT100709A66.b/0G09004-CAL2A66.d
Report Date: 12-Jul-2010 15:39

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DT100709A66.b/0G09004-CAL2A66.d
Lab Smp Id: 0G09004-CAL2 Client Smp ID: SSTD1.2X6
Inj Date : 09-JUL-2010 15:07
Operator : RKM Inst ID: 5972hp66.i
Smp Info : SSTD1.2X6:RKM
Misc Info : SSTD1.2X6
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DT100709A66.b/SIM_8270Cv3DOD.m
Meth Date : 12-Jul-2010 12:43 byrd Quant Type: ISTD
Cal Date : 09-JUL-2010 15:07 Cal File: 0G09004-CAL2A66.d
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH+1.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

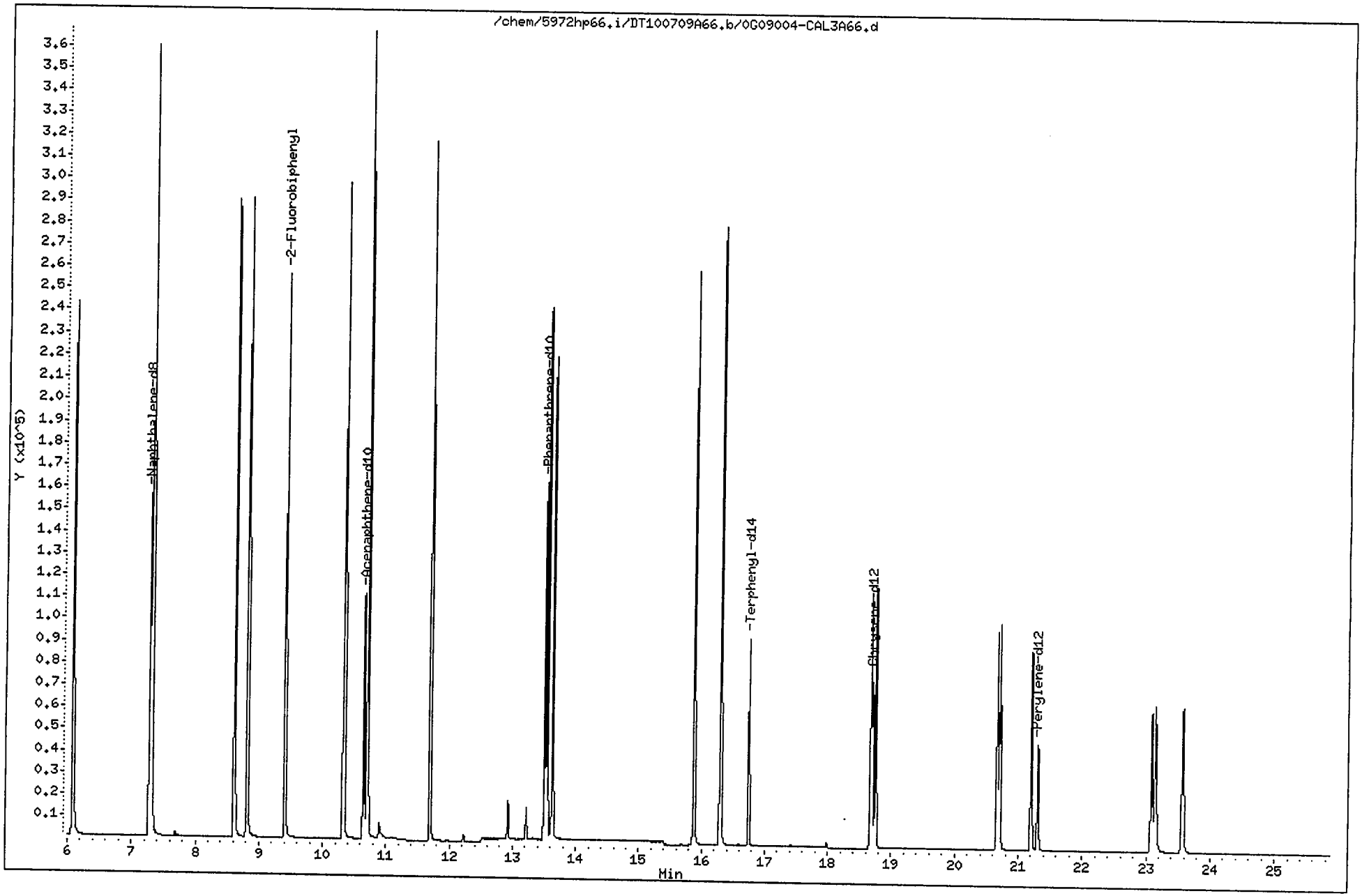
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	5.106	5.110	(1.000)	83819	2.00000	
* 2 Naphthalene-d8	136	7.275	7.278	(1.000)	221240	2.00000	
* 3 Acenaphthene-d10	164	10.640	10.653	(1.000)	111948	2.00000	
* 4 Phenanthrene-d10	188	13.499	13.504	(1.000)	174939	2.00000	
* 5 Chrysene-d12	240	18.703	18.706	(1.000)	88946	2.00000	
* 6 Perylene-d12	264	21.303	21.306	(1.000)	70510	2.00000	
$ 9 Nitrobenzene-d5	82	6.072	6.072	(0.835)	139681	1.20000	1.2
$ 10 2-Fluorobiphenyl	172	9.403	9.408	(0.884)	117714	1.20000	1.2
$ 12 Terphenyl-d14	244	16.742	16.747	(0.895)	38837	1.20000	1.2
13 Naphthalene	128	7.306	7.309	(1.004)	207472	1.20000	1.2
15 2-Methylnaphthalene	141	8.609	8.610	(1.183)	87569	1.20000	1.2
16 1-Methylnaphthalene	142	8.808	8.813	(1.211)	94728	1.20000	1.2
17 Acenaphthylene	152	10.328	10.329	(0.971)	147063	1.20000	1.2
18 Acenaphthene	154	10.698	10.710	(1.005)	91609	1.20000	1.2
21 Fluorene	166	11.691	11.696	(1.099)	98884	1.20000	1.2

Data File: /chem/5972hp66.i/DT100709A66.b/0G09004-CAL2A66.d
Report Date: 12-Jul-2010 15:39

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
25 Phenanthrene	178	13.543	13.548	(1.003)	136122	1.20000	1.2
26 Anthracene	178	13.627	13.632	(1.009)	123012	1.20000	1.2
27 Fluoranthene	202	15.877	15.882	(1.176)	101741	1.20000	1.2
28 Pyrene	202	16.297	16.297	(0.871)	106679	1.20000	1.2
29 Benzo(a)anthracene	228	18.672	18.675	(0.998)	57560	1.20000	1.2
30 Chrysene	228	18.747	18.754	(1.002)	60497	1.20000	1.2
31 Benzo(b)fluoranthene	252	20.663	20.671	(0.970)	56529	1.20000	1.2
32 Benzo(k)fluoranthene	252	20.703	20.710	(0.972)	57386	1.20000	1.2
33 Benzo(a)pyrene	252	21.197	21.204	(0.995)	49929	1.20000	1.2
34 Indeno(1,2,3-cd)pyrene	276	23.083	23.092	(1.084)	44236	1.20000	1.2
35 Dibenzo(a,h)anthracene	278	23.140	23.150	(1.086)	38185	1.20000	1.2
36 Benzo(g,h,i)perylene	276	23.568	23.587	(1.106)	52310	1.20000	1.2

Data File: /chem/5972hp66.i/DT100709A66.b/0G09004-CAL3A66.d
Date : 09-JUL-2010 15:41
Client ID: SSTD003X6
Sample Info: SSTD003X6:RKM
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: RKM
Column diameter: 0.32



Data File: /chem/5972hp66.i/DT100709A66.b/0G09004-CAL3A66.d
Report Date: 12-Jul-2010 11:51

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DT100709A66.b/0G09004-CAL3A66.d
Lab Smp Id: 0G09004-CAL3 Client Smp ID: SSTD003X6
Inj Date : 09-JUL-2010 15:41
Operator : RKM Inst ID: 5972hp66.i
Smp Info : SSTD003X6:RKM
Misc Info : SSTD003X6
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DT100709A66.b/SIM_8270Cv3DOD.m
Meth Date : 12-Jul-2010 11:50 byrd Quant Type: ISTD
Cal Date : 09-JUL-2010 15:41 Cal File: 0G09004-CAL3A66.d
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH+1.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	5.109	5.110	(1.000)	76457	2.00000	
* 2 Naphthalene-d8	136	7.279	7.278	(1.000)	202012	2.00000	
* 3 Acenaphthene-d10	164	10.652	10.653	(1.000)	95872	2.00000	
* 4 Phenanthrene-d10	188	13.501	13.504	(1.000)	150351	2.00000	
* 5 Chrysene-d12	240	18.702	18.706	(1.000)	80828	2.00000	
* 6 Perylene-d12	264	21.302	21.306	(1.000)	60812	2.00000	
$ 9 Nitrobenzene-d5	82	6.075	6.072	(0.835)	313660	3.00000	3.0
$ 10 2-Fluorobiphenyl	172	9.407	9.408	(0.883)	262870	3.00000	3.1
$ 12 Terphenyl-d14	244	16.746	16.747	(0.895)	91280	3.00000	3.1
13 Naphthalene	128	7.310	7.309	(1.004)	468948	3.00000	3.0
15 2-Methylnaphthalene	141	8.609	8.610	(1.183)	192549	3.00000	3.0
16 1-Methylnaphthalene	142	8.812	8.813	(1.211)	213713	3.00000	3.0
17 Acenaphthylene	152	10.328	10.329	(0.970)	325094	3.00000	3.0
18 Acenaphthene	154	10.698	10.710	(1.004)	201059	3.00000	3.0
21 Fluorene	166	11.693	11.696	(1.098)	218770	3.00000	3.1

07/12/10

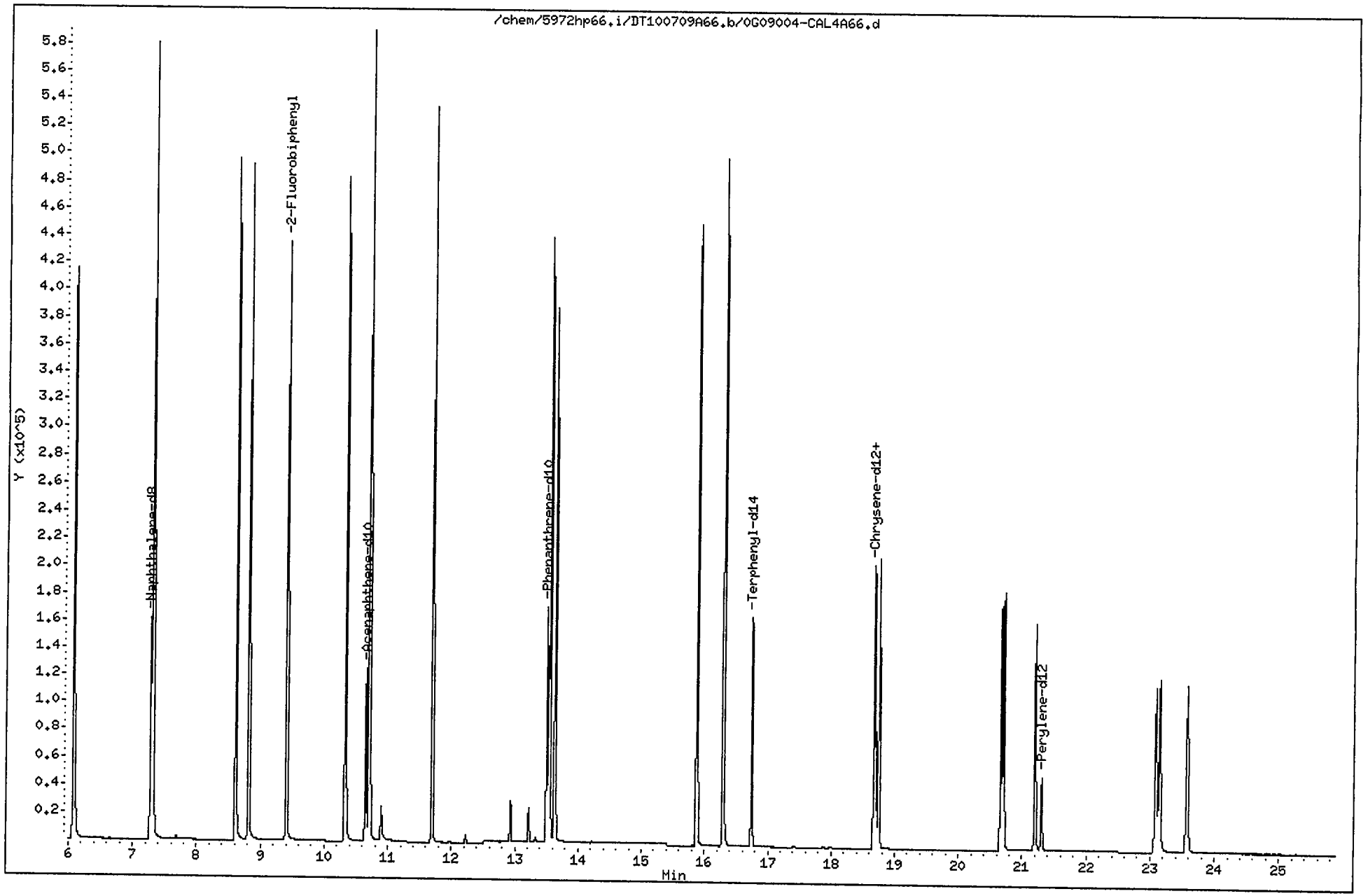
Data File: /chem/5972hp66.i/DT100709A66.b/0G09004-CAL3A66.d
Report Date: 12-Jul-2010 11:51

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
25 Phenanthrene	178	13.545	13.548	(1.003)	290049	3.00000	3.1
26 Anthracene	178	13.629	13.632	(1.009)	266085	3.00000	3.1
27 Fluoranthene	202	15.877	15.882	(1.176)	235251	3.00000	3.2
28 Pyrene	202	16.296	16.297	(0.871)	247023	3.00000	3.0
29 Benzo(a)anthracene	228	18.671	18.675	(0.998)	130180	3.00000	3.0
30 Chrysene	228	18.751	18.754	(1.003)	134429	3.00000	3.0
31 Benzo(b)fluoranthene	252	20.663	20.671	(0.970)	123500	3.00000	3.1
32 Benzo(k)fluoranthene	252	20.702	20.710	(0.972)	132479	3.00000	3.1
33 Benzo(a)pyrene	252	21.201	21.204	(0.995)	111251	3.00000	3.0
34 Indeno(1,2,3-cd)pyrene	276	23.085	23.092	(1.084)	95116	3.00000	2.9
35 Dibenzo(a,h)anthracene	278	23.142	23.150	(1.086)	81380	3.00000	2.9
36 Benzo(g,h,i)perylene	276	23.570	23.587	(1.106)	107900	3.00000	2.9

Data File: /chem/5972hp66.i/DT100709A66.b/0G09004-CAL4A66.d
Date : 09-JUL-2010 16:15
Client ID: SSTD005X6
Sample Info: SSTD005X6:RKM
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i

Operator: RKM
Column diameter: 0.32



Data File: /chem/5972hp66.i/DT100709A66.b/0G09004-CAL4A66.d
Report Date: 12-Jul-2010 15:39

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DT100709A66.b/0G09004-CAL4A66.d
Lab Smp Id: 0G09004-CAL4 Client Smp ID: SSTD005X6
Inj Date : 09-JUL-2010 16:15
Operator : RKM Inst ID: 5972hp66.i
Smp Info : SSTD005X6:RKM
Misc Info : SSTD005X6
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DT100709A66.b/SIM_8270Cv3DOD.m
Meth Date : 12-Jul-2010 12:43 byrd Quant Type: ISTD
Cal Date : 09-JUL-2010 16:15 Cal File: 0G09004-CAL4A66.d
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH+1.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	5.111	5.110	(1.000)	77594	2.00000	
* 2 Naphthalene-d8	136	7.279	7.278	(1.000)	202342	2.00000	
* 3 Acenaphthene-d10	164	10.652	10.653	(1.000)	98855	2.00000	
* 4 Phenanthrene-d10	188	13.505	13.504	(1.000)	163544	2.00000	
* 5 Chrysene-d12	240	18.702	18.706	(1.000)	85520	2.00000	
* 6 Perylene-d12	264	21.302	21.306	(1.000)	65891	2.00000	
$ 9 Nitrobenzene-d5	82	6.077	6.072	(0.835)	528952	5.00000	5.0
$ 10 2-Fluorobiphenyl	172	9.407	9.408	(0.883)	432908	5.00000	5.0
$ 12 Terphenyl-d14	244	16.743	16.747	(0.895)	159473	5.00000	5.1
13 Naphthalene	128	7.309	7.309	(1.004)	774571	5.00000	4.9
15 2-Methylnaphthalene	141	8.613	8.610	(1.183)	322600	5.00000	4.9
16 1-Methylnaphthalene	142	8.812	8.813	(1.211)	355838	5.00000	5.0
17 Acenaphthylene	152	10.328	10.329	(0.970)	556659	5.00000	5.1
18 Acenaphthene	154	10.709	10.710	(1.005)	335300	5.00000	4.9
21 Fluorene	166	11.695	11.696	(1.098)	372509	5.00000	5.1

07/12/10

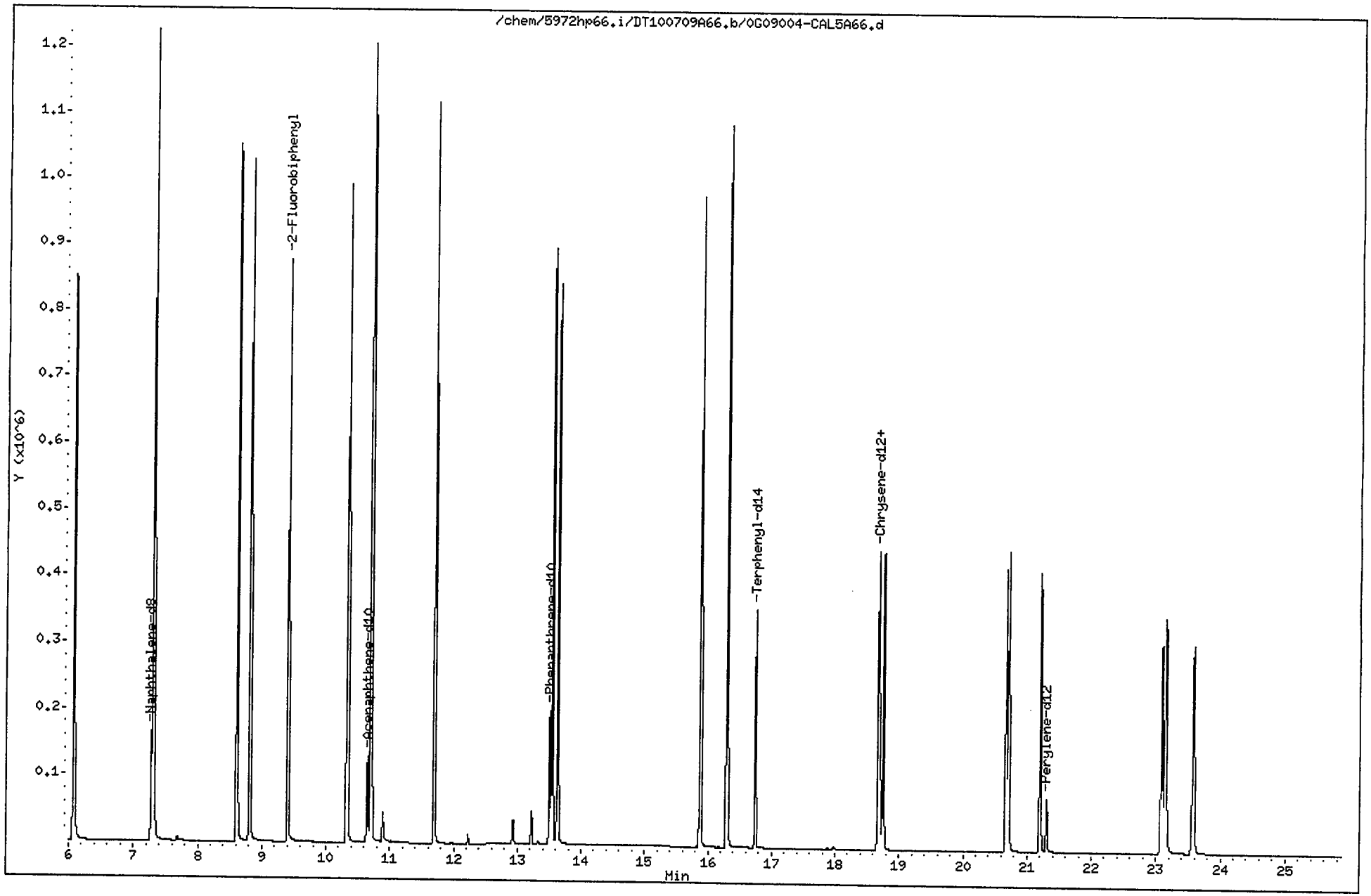
Data File: /chem/5972hp66.i/DT100709A66.b/0G09004-CAL4A66.d
Report Date: 12-Jul-2010 15:39

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
25 Phenanthrene	178	13.544	13.548	(1.003)	505540	5.00000	4.9
26 Anthracene	178	13.628	13.632	(1.009)	463690	5.00000	5.0
27 Fluoranthene	202	15.878	15.882	(1.176)	408823	5.00000	5.1
28 Pyrene	202	16.298	16.297	(0.871)	433381	5.00000	5.0
29 Benzo(a)anthracene	228	18.671	18.675	(0.998)	233160	5.00000	5.1
30 Chrysene	228	18.750	18.754	(1.003)	238758	5.00000	5.0
31 Benzo(b)fluoranthene	252	20.667	20.671	(0.970)	217994	5.00000	5.0
32 Benzo(k)fluoranthene	252	20.706	20.710	(0.972)	240377	5.00000	5.2
33 Benzo(a)pyrene	252	21.200	21.204	(0.995)	201322	5.00000	5.1
34 Indeno(1,2,3-cd)pyrene	276	23.084	23.092	(1.084)	173327	5.00000	5.0
35 Dibenzo(a,h)anthracene	278	23.146	23.150	(1.087)	154373	5.00000	5.1
36 Benzo(g,h,i)perylene	276	23.574	23.587	(1.107)	194095	5.00000	4.9

Data File: /chem/5972hp66.i/DT100709A66.b/0G09004-CAL5A66.d
Date : 09-JUL-2010 16:49
Client ID: SSTD010X6
Sample Info: SSTD010X6:RKM
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i

Operator: RKM
Column diameter: 0.32



Data File: /chem/5972hp66.i/DT100709A66.b/0G09004-CAL5A66.d
Report Date: 12-Jul-2010 15:39

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DT100709A66.b/0G09004-CAL5A66.d
Lab Smp Id: 0G09004-CAL5 Client Smp ID: SSTD010X6
Inj Date : 09-JUL-2010 16:49
Operator : RKM Inst ID: 5972hp66.i
Smp Info : SSTD010X6:RKM
Misc Info : SSTD010X6
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DT100709A66.b/SIM_8270Cv3DOD.m
Meth Date : 12-Jul-2010 12:43 byrd Quant Type: ISTD
Cal Date : 09-JUL-2010 16:49 Cal File: 0G09004-CAL5A66.d
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH+1.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	5.110	5.110	(1.000)	76591	2.00000	
*	2 Naphthalene-d8	136	7.278	7.278	(1.000)	206856	2.00000	
*	3 Acenaphthene-d10	164	10.653	10.653	(1.000)	104807	2.00000	
*	4 Phenanthrene-d10	188	13.504	13.504	(1.000)	191763	2.00000	
*	5 Chrysene-d12	240	18.706	18.706	(1.000)	114763	2.00000	
*	6 Perylene-d12	264	21.306	21.306	(1.000)	96828	2.00000	
$	9 Nitrobenzene-d5	82	6.072	6.072	(0.834)	1080722	10.0000	10(A)
$	10 2-Fluorobiphenyl	172	9.408	9.408	(0.883)	881958	10.0000	9.6
$	12 Terphenyl-d14	244	16.747	16.747	(0.895)	348011	10.0000	8.2
	13 Naphthalene	128	7.309	7.309	(1.004)	1608067	10.0000	10(A)
	15 2-Methylnaphthalene	141	8.610	8.610	(1.183)	676354	10.0000	10(A)
	16 1-Methylnaphthalene	142	8.813	8.813	(1.211)	738157	10.0000	10(A)
	17 Acenaphthylene	152	10.329	10.329	(0.970)	1165879	10.0000	10
	18 Acenaphthene	154	10.710	10.710	(1.005)	705181	10.0000	9.7
	21 Fluorene	166	11.696	11.696	(1.098)	772719	10.0000	9.9

Data File: /chem/5972hp66.i/DT100709A66.b/0G09004-CAL5A66.d
Report Date: 12-Jul-2010 15:39

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
25 Phenanthrene	178	13.548	13.548	(1.003)	1066258	10.0000	8.9
26 Anthracene	178	13.632	13.632	(1.009)	1004994	10.0000	9.2
27 Fluoranthene	202	15.882	15.882	(1.176)	887907	10.0000	9.5
28 Pyrene	202	16.297	16.297	(0.871)	940998	10.0000	8.2
29 Benzo(a)anthracene	228	18.675	18.675	(0.998)	515735	10.0000	8.4
30 Chrysene	228	18.754	18.754	(1.003)	517123	10.0000	8.1
31 Benzo(b)fluoranthene	252	20.671	20.671	(0.970)	521825	10.0000	8.2
32 Benzo(k)fluoranthene	252	20.710	20.710	(0.972)	568264	10.0000	8.3
33 Benzo(a)pyrene	252	21.204	21.204	(0.995)	511237	10.0000	8.8
34 Indeno(1,2,3-cd)pyrene	276	23.092	23.092	(1.084)	469282	10.0000	9.1
35 Dibenzo(a,h)anthracene	278	23.150	23.150	(1.087)	420909	10.0000	9.4
36 Benzo(g,h,i)perylene	276	23.587	23.587	(1.107)	507605	10.0000	8.7

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/5972hp66.i/DT100709A66.b/SRC100709A66.d
Report Date: 12-Jul-2010 12:29

CompuChem

RECOVERY REPORT

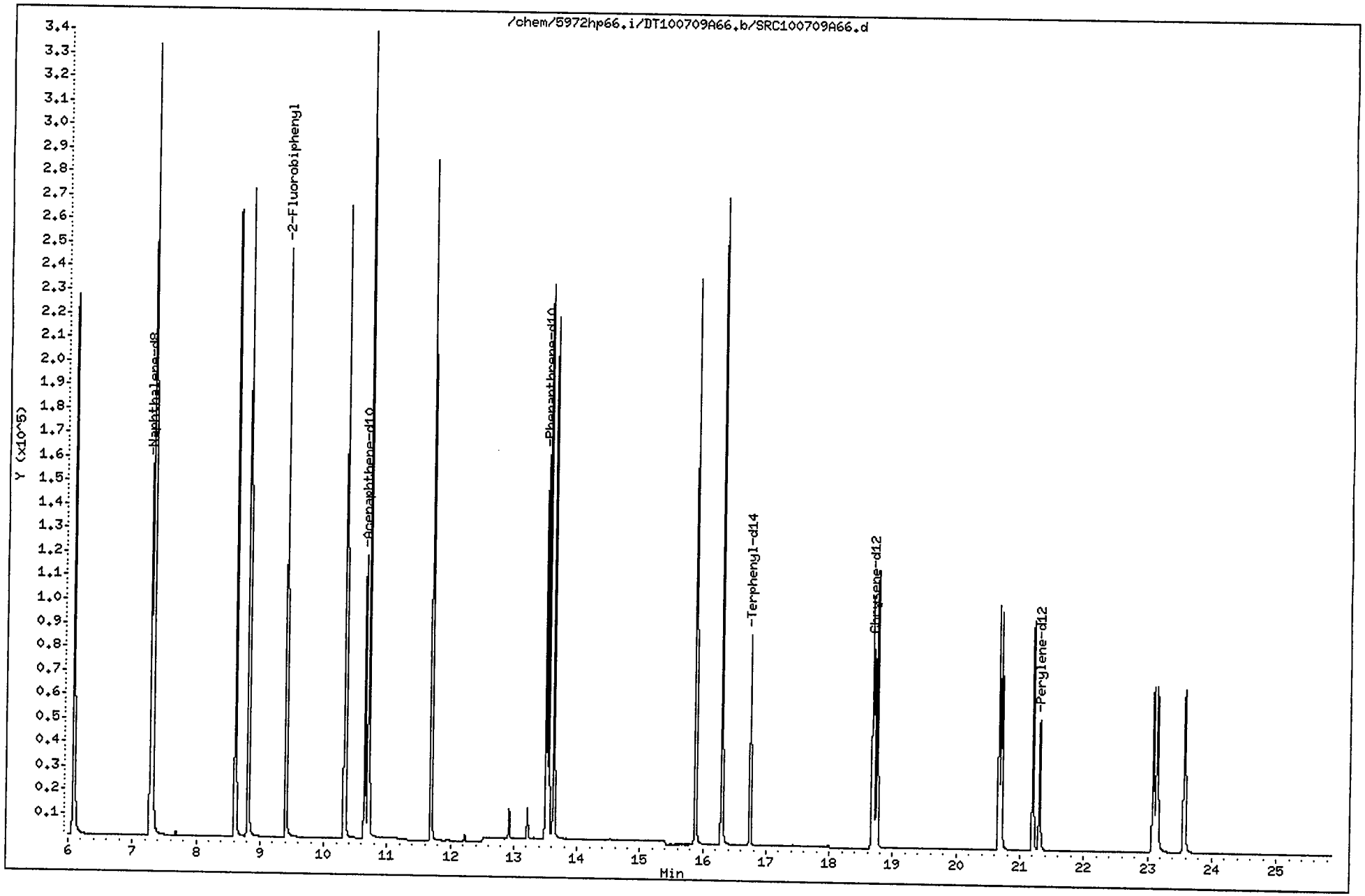
Client Name:
Sample Matrix: LIQUID
Lab Smp Id: SSTD003VAL
Level: LOW
Data Type: MS DATA
SpikeList File: 2ndsourceSIM.spk
Sublist File: ICALPAH+1.sub
Client SDG: DT100709A66
Fraction: SV
Client Smp ID: SSTD003VAL
Operator: RKM
SampleType: LCS
Quant Type: ISTD
Method File: /chem/5972hp66.i/DT100709A66.b/SIM_8270Cv3DOD.m
Misc Info: SSTD003VAL

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
13 Naphthalene	1.5	1.4	96.33	80-120
14 Hexachlorobutadie	1.5	0.0	*	80-120
15 2-Methylnaphthalen	1.5	1.4	92.63	80-120
16 1-Methylnaphthalen	1.5	1.4	92.92	80-120
17 Acenaphthylene	1.5	1.4	93.62	80-120
18 Acenaphthene	1.5	1.4	95.52	80-120
20 4-Nitrophenol	4.0	0.0	*	80-120
21 Fluorene	1.5	1.4	93.07	80-120
23 Hexachlorobenzene	4.0	0.0	*	80-120
24 Pentachlorophenol	4.0	0.0	*	80-120
25 Phenanthrene	1.5	1.4	93.39	80-120
26 Anthracene	1.5	1.5	98.50	80-120
27 Fluoranthene	1.5	1.5	96.83	80-120
28 Pyrene	1.5	1.3	88.83	80-120
29 Benzo(a)anthracene	1.5	1.3	85.36	80-120
30 Chrysene	1.5	1.4	91.32	80-120
31 Benzo(b)fluoranthe	1.5	1.4	91.67	80-120
32 Benzo(k)fluoranthe	1.5	1.4	92.10	80-120
33 Benzo(a)pyrene	1.5	1.4	94.18	80-120
34 Indeno(1,2,3-cd)py	1.5	1.4	91.87	80-120
35 Dibenzo(a,h)anthra	1.5	1.4	91.91	80-120
36 Benzo(g,h,i)peryle	1.5	1.3	89.10	80-120

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 9 Nitrobenzene-d5	1.5	1.4	96.25	40-110
$ 10 2-Fluorobiphenyl	1.5	1.5	97.69	50-110
$ 12 Terphenyl-d14	1.5	1.3	87.73	50-135

Data File: /chem/5972hp66.i/DT100709A66.b/SRC100709A66.d
Date : 09-JUL-2010 17:24
Client ID: SSTD003VAL
Sample Info: SSTD003VAL:RKM
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: RKM
Column diameter: 0.32



Data File: /chem/5972hp66.i/DT100709A66.b/SRC100709A66.d
Report Date: 12-Jul-2010 12:29

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DT100709A66.b/SRC100709A66.d
Lab Smp Id: SSTD003VAL Client Smp ID: SSTD003VAL
Inj Date : 09-JUL-2010 17:24
Operator : RKM Inst ID: 5972hp66.i
Smp Info : SSTD003VAL:RKM
Misc Info : SSTD003VAL
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DT100709A66.b/SIM_8270Cv3DOD.m
Meth Date : 12-Jul-2010 12:29 byrd Quant Type: ISTD
Cal Date : 09-JUL-2010 16:49 Cal File: 0G09004-CAL5A66.d
Als bottle: 6 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH+1.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
*	1 1,4-Dichlorobenzene-d4	152	5.111	5.110	(1.000)	76885	2.00000	
*	2 Naphthalene-d8	136	7.279	7.278	(1.000)	198862	2.00000	
*	3 Acenaphthene-d10	164	10.652	10.653	(1.000)	95898	2.00000	
*	4 Phenanthrene-d10	188	13.505	13.504	(1.000)	156683	2.00000	
*	5 Chrysene-d12	240	18.702	18.706	(1.000)	87713	2.00000	
*	6 Perylene-d12	264	21.306	21.306	(1.000)	68721	2.00000	
$	9 Nitrobenzene-d5	82	6.077	6.072	(0.835)	298859	2.88742	1.4
$	10 2-Fluorobiphenyl	172	9.407	9.408	(0.883)	247608	2.93074	1.5
$	12 Terphenyl-d14	244	16.746	16.747	(0.895)	84992	2.63203	1.3
	13 Naphthalene	128	7.310	7.309	(1.004)	445407	2.88991	1.4
	15 2-Methylnaphthalene	141	8.609	8.610	(1.183)	178534	2.77879	1.4
	16 1-Methylnaphthalene	142	8.812	8.813	(1.211)	195909	2.78753	1.4
	17 Acenaphthylene	152	10.328	10.329	(0.970)	300248	2.80866	1.4
	18 Acenaphthene	154	10.698	10.710	(1.004)	190507	2.86574	1.4
	21 Fluorene	166	11.693	11.696	(1.098)	199669	2.79217	1.4

7/12/10

Data File: /chem/5972hp66.i/DT100709A66.b/SRC100709A66.d
Report Date: 12-Jul-2010 12:29

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
25 Phenanthrene	178	13.545	13.548	(1.003)	275779	2.80163	1.4
26 Anthracene	178	13.629	13.632	(1.009)	263782	2.95503	1.5
27 Fluoranthene	202	15.881	15.882	(1.176)	221357	2.90486	1.5
28 Pyrene	202	16.296	16.297	(0.871)	234881	2.66498	1.3
29 Benzo(a)anthracene	228	18.671	18.675	(0.998)	120582	2.56073	1.3
30 Chrysene	228	18.750	18.754	(1.003)	133854	2.73957	1.4
31 Benzo(b)fluoranthene	252	20.667	20.671	(0.970)	123926	2.75002	1.4
32 Benzo(k)fluoranthene	252	20.706	20.710	(0.972)	133714	2.76309	1.4
33 Benzo(a)pyrene	252	21.200	21.204	(0.995)	116871	2.82541	1.4
34 Indeno(1,2,3-cd)pyrene	276	23.084	23.092	(1.083)	100528	2.75607	1.4
35 Dibenzo(a,h)anthracene	278	23.146	23.150	(1.086)	87544	2.75716	1.4
36 Benzo(g,h,i)perylene	276	23.570	23.587	(1.106)	111158	2.67288	1.3

COMPUCHEM a Division of Liberty Analytical Corp
GC/MS SEMIVOLATILE RUN LOG
LOGBOOK 4X(4) 21 (5972hp66)

DATE 7/9/10 INITIAL TIME OF TUNE 1333 SHIFT/S (A) ✓ (B) ____ (C) ____
TIME TUNE EXPIRES 0133
METHOD: 625 (8270C) 8270D OLC03.2 OLM04.3 SOM01.2 (Circle One) or Other: PAH SIM: (Y)/N)
PREVENTIVE MAINTENANCE F/L/S

214

0071202

	SEQUENCE#	INJECTED	FILENAME	ACQUIRED	DATE	TIME	CLIENT ID	SDG#	AMOUNT INJECTED	CHEMIST	COMMENTS
1	OG09004		FCL3	/	7/9/10	1333	FCL3	—	—	Rm	LCD = SCD
2	T100709A	/	OG09004-CCV2A66	us	/ /	1343	SSTD003GJ	—	2µL		fail IS comparison
3			OG09004-CAL1A66	/	/ /	1433	SSTD0.4X6	—			OE18005 8-18-10
4			-CAL2	/	/ /	1507	SSTD1.2X6	—			OE18006
5			-CAL3	/	/ /	1541	SSTD003X6	—			OG06001
6			-CAL4	/	/ /	1615	SSTD005X6	—			OE18009
7			-CAL5	/	/ /	1649	SSTD010X6	—			OE18010
8			SRC100709A66	/	/ /	1724	SSTD003VAL	—			
9			OD62918-BSD1J2A66	/	/ /	1758	SIPLCSD	1006214			
10			1006213-07JA66	/	/ /	1833	LSR01-SS11	1006213			
11			1006213-08JA66	/	/ /	1907	LSR01-SB11	↓			
12			1006181-01JA66	/	/ /	1941	LSR01-SS03	1006181			
13			1006181-03DJA66	/	/ /	2015	LSR01-SS09	↓			5X; dark; 20µL:100µL
14			1006181-06JA66	/	/ /	2050	LSR01-SS02	↓			
15			1006182-04DJA66	/	/ /	2124	LSR01-SB09P	1006182	2µL	Rm 7/10/10	5X; dark; 20µl/100µl
16		/	OD60117-BLK1A66	IH	/ /	2158	SBLKDU	1005178	~~1005178~~		
17			OD60117-BS1A66	/	/ /	2232	SDVLCS	↓	2µL		
18			1005178-01JA66	/	/ /	2306	59SB13-01	↓	↓	↓	
19			OD60117-MS1A66	/	/ /	2340	MS				
20			OD60117-MSD1A66	/	/ /	0015	MSD				
21					/ /						
22					/ /						
23					/ /		Rm 7/10/10				
24					/ /						

DFTPP Lot #/Exp. Date: N/A
Calibration STD Lot#/Exp. Date: see comments
Internal STD Lot#/Exp. Date: OG08003 1/8/11
Methylene Chloride Lot#/Exp. Date: J17500 6/8/15
Column Type: RTX-5MS 0.32 mm

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

REVIEWED BY: DNS DATE 7-10-10

6/01/09:jr

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Instrument ID: 5973HP68 Calibration Date(s): 07/12/10 07/12/10

Column: RTX-5MS ID: 0.32 (mm) Calibration Time(s): 1735 2033

LAB FILE ID: RF0.4: 0G12007-CALRF1.2: 0G12007-CALRF3: 0G12007-CAL3A
RF5: 0G12007-CAL4ARF10: 0G12007-CAL5

COMPOUND	RF0.4	RF1.2	RF3	RF5	RF10
Naphthalene	1.275	1.090	1.040	1.000	0.908
2-Methylnaphthalene	0.642	0.564	0.546	0.531	0.491
Acenaphthylene	2.165	1.999	1.907	1.867	1.704
Acenaphthene	1.325	1.197	1.154	1.128	1.039
Fluorene	1.471	1.350	1.316	1.282	1.190
Phenanthrene	1.260	1.154	1.094	1.058	0.986
Anthracene	1.109	1.054	1.035	1.014	0.949
Fluoranthene	1.078	1.010	1.005	0.986	0.948
Pyrene	1.932	1.880	1.787	1.599	1.381
Benzo(a)anthracene	1.127	1.074	1.058	1.031	0.979
Chrysene	1.142	1.086	1.057	1.030	0.962
Benzo(b)fluoranthene	1.228	1.130	1.173	1.144	1.150
Benzo(k)fluoranthene	1.276	1.280	1.276	1.275	1.232
Benzo(a)pyrene	1.022	0.993	0.998	1.003	0.997
Indeno(1,2,3-cd)pyrene	0.643	0.665	0.660	0.654	0.674
Dibenzo(a,h)anthracene	0.604	0.641	0.657	0.652	0.678
Benzo(g,h,i)perylene	0.793	0.802	0.791	0.769	0.771
Nitrobenzene-d5	0.400	0.358	0.361	0.362	0.354
2-Fluorobiphenyl	1.667	1.434	1.368	1.327	1.227
Terphenyl-d14	1.110	0.977	0.932	0.845	0.742

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: COMPUCHEM Method: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Instrument ID: 5973HP68 Calibration Date(s): 07/12/10 07/12/10

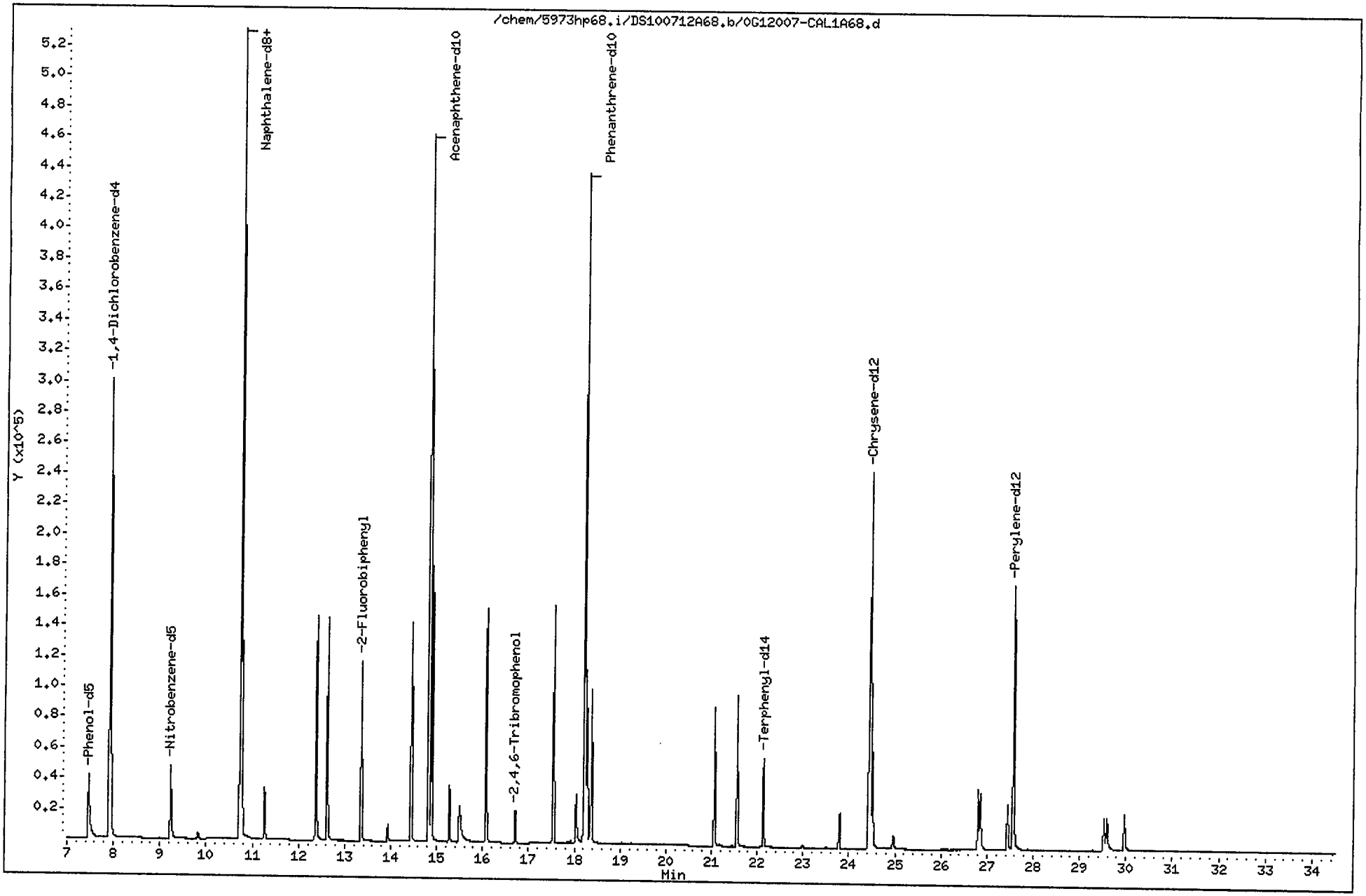
Column: RTX-5MS ID: 0.32 (mm) Calibration Time(s): 1735 2033

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2
Naphthalene	AVRG	1.06264966	12.819	15.000
2-Methylnaphthalene	AVRG	0.55472408	10.084	15.000
Acenaphthylene	AVRG	1.92832521	8.815	15.000
Acenaphthene	AVRG	1.16874537	8.970	30.000
Fluorene	AVRG	1.32180125	7.760	15.000
Phenanthrene	AVRG	1.11065218	9.291	15.000
Anthracene	AVRG	1.03217638	5.657	15.000
Fluoranthene	AVRG	1.00527339	4.722	30.000
Pyrene	AVRG	1.71610110	13.171	15.000
Benzo(a)anthracene	AVRG	1.05382548	5.172	15.000
Chrysene	AVRG	1.05549467	6.293	15.000
Benzo(b)fluoranthene	AVRG	1.16518543	3.316	15.000
Benzo(k)fluoranthene	AVRG	1.26751315	1.591	15.000
Benzo(a)pyrene	AVRG	1.00276405	1.128	30.000
Indeno(1,2,3-cd)pyrene	AVRG	0.65943328	1.748	15.000
Dibenzo(a,h)anthracene	AVRG	0.64640444	4.219	15.000
Benzo(g,h,i)perylene	AVRG	0.78519122	1.880	15.000
Nitrobenzene-d5	AVRG	0.36702626	5.023	15.000
2-Fluorobiphenyl	AVRG	1.40469042	11.725	15.000
Terphenyl-d14	AVRG	0.92138667	15.037	15.000

FORM VI SV

Data File: /chem/5973hp68.i/DS100712A68.b/0G12007-CAL1A68.d
Date : 12-JUL-2010 17:35
Client ID: SSTD0.4W8
Sample Info: SSTD0.4W8:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5973hp68.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5973hp68.i/DS100712A68.b/0G12007-CAL1A68.d
Report Date: 14-Jul-2010 13:30

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5973hp68.i/DS100712A68.b/0G12007-CAL1A68.d
Lab Smp Id: 0G12007-CAL1 Client Smp ID: SSTD0.4W8
Inj Date : 12-JUL-2010 17:35
Operator : OWS Inst ID: 5973hp68.i
Smp Info : SSTD0.4W8:OWS
Misc Info : SSTD0.4W8
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5973hp68.i/DS100712A68.b/SIM_8270Cv3DOD.m
Meth Date : 14-Jul-2010 13:28 byrd Quant Type: ISTD
Cal Date : 12-JUL-2010 17:35 Cal File: 0G12007-CAL1A68.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH+EXTRAICAL.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	7.914	7.914	(1.000)	253378	2.00000	
* 2 Naphthalene-d8	136	10.728	10.728	(1.000)	851759	2.00000	
* 3 Acenaphthene-d10	164	14.825	14.813	(1.000)	415060	2.00000	
* 4 Phenanthrene-d10	188	18.214	18.214	(1.000)	630160	2.00000	
* 5 Chrysene-d12	240	24.452	24.452	(1.000)	373870	2.00000	
* 6 Perylene-d12	264	27.567	27.567	(1.000)	270967	2.00000	
$ 7 2-Fluorophenol	112	5.475	5.471	(0.692)	50371	0.40000	0.40
$ 8 Phenol-d5	99	7.464	7.455	(0.943)	86549	0.40000	0.40
$ 9 Nitrobenzene-d5	82	9.229	9.218	(0.860)	68072	0.40000	0.40
$ 10 2-Fluorobiphenyl	172	13.358	13.353	(0.901)	138383	0.40000	0.40
$ 11 2,4,6-Tribromophenol	330	16.707	16.700	(1.127)	18735	0.40000	0.40
$ 12 Terphenyl-d14	244	22.134	22.134	(0.905)	83003	0.40000	0.40
13 Naphthalene	128	10.763	10.763	(1.003)	217256	0.40000	0.40
14 Hexachlorobutadiene	225	11.258	11.258	(1.049)	33536	0.40000	0.40
15 2-Methylnaphthalene	141	12.374	12.374	(1.153)	109447	0.40000	0.40

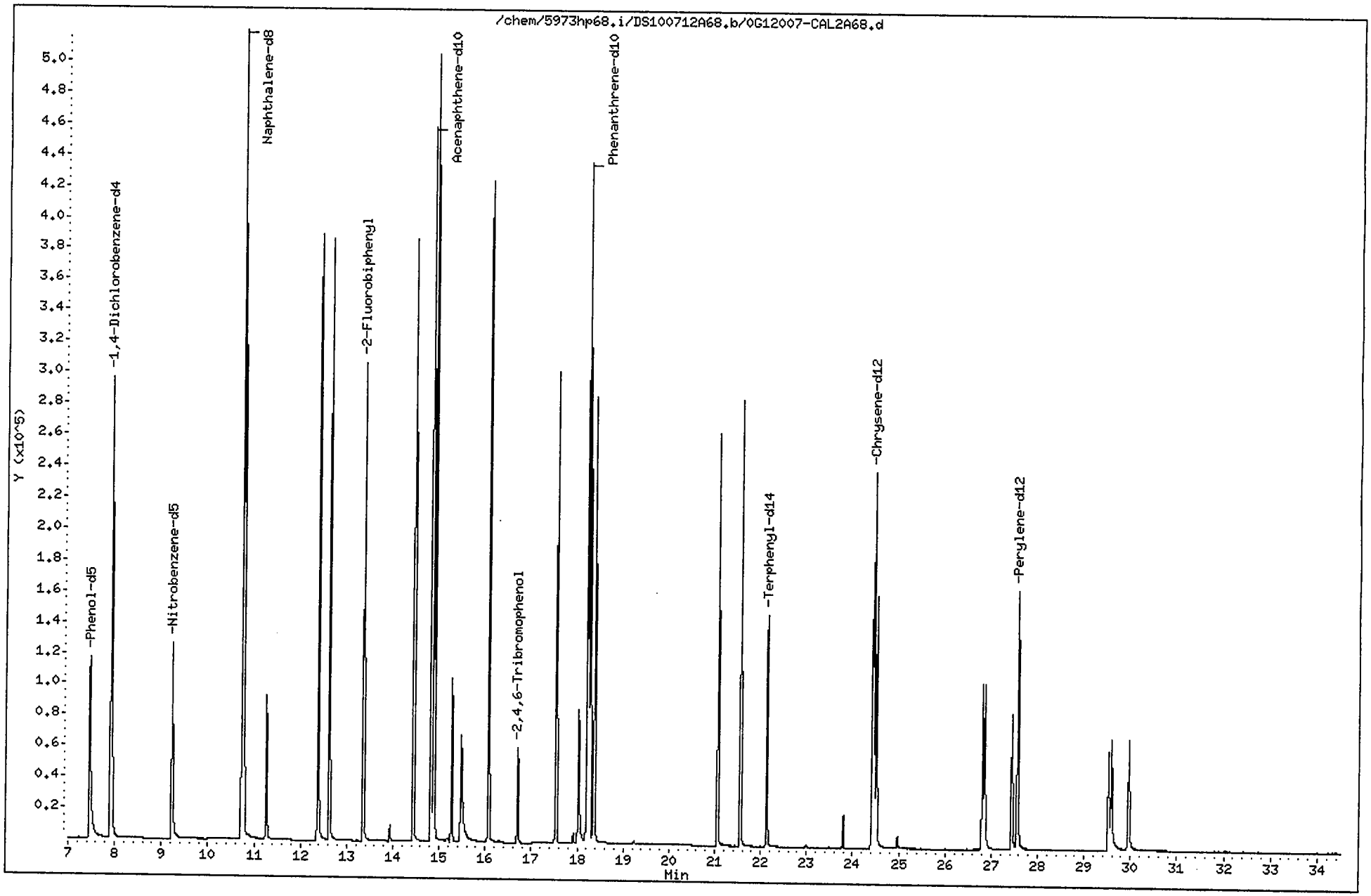
8/17/10

Data File: /chem/5973hp68.i/DS100712A68.b/0G12007-CAL1A68.d
Report Date: 14-Jul-2010 13:30

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
16 1-Methylnaphthalene	142	12.619	12.615	(1.176)	126581	0.40000	0.40
17 Acenaphthylene	152	14.445	14.445	(0.974)	179705	0.40000	0.40
18 Acenaphthene	154	14.882	14.894	(1.004)	110009	0.40000	0.40
20 4-Nitrophenol	139	15.491	15.456	(1.045)	51011	2.00000	2.0
21 Fluorene	166	16.073	16.073	(1.084)	122143	0.40000	0.40
23 Hexachlorobenzene	284	17.540	17.555	(0.963)	196078	2.00000	2.0
24 Pentachlorophenol	266	18.030	18.015	(0.990)	48462	2.00000	2.0
25 Phenanthrene	178	18.260	18.260	(1.003)	158802	0.40000	0.40
26 Anthracene	178	18.367	18.367	(1.008)	139807	0.40000	0.40
27 Fluoranthene	202	21.062	21.066	(1.156)	135864	0.40000	0.40
28 Pyrene	202	21.556	21.561	(0.882)	144475	0.40000	0.40
29 Benzo(a)anthracene	228	24.417	24.417	(0.999)	84261	0.40000	0.40
30 Chrysene	228	24.509	24.509	(1.002)	85365	0.40000	0.40
31 Benzo(b)fluoranthene	252	26.806	26.806	(0.972)	66577	0.40000	0.40
32 Benzo(k)fluoranthene	252	26.854	26.858	(0.974)	69138	0.40000	0.40
33 Benzo(a)pyrene	252	27.440	27.444	(0.995)	55385	0.40000	0.40
34 Indeno(1,2,3-cd)pyrene	276	29.522	29.522	(1.071)	34870	0.40000	0.40
35 Dibenzo(a,h)anthracene	278	29.588	29.584	(1.073)	32726	0.40000	0.40
36 Benzo(g,h,i)perylene	276	29.960	29.964	(1.087)	42955	0.40000	0.40

Data File: /chem/5973hp68.i/DS100712A68.b/0G12007-CAL2A68.d
Date : 12-JUL-2010 18:22
Client ID: SSTD1.2W8
Sample Info: SSTD1.2W8:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5973hp68.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5973hp68.i/DS100712A68.b/0G12007-CAL2A68.d
Report Date: 14-Jul-2010 13:30

CompuChem

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Data file : /chem/5973hp68.i/DS100712A68.b/0G12007-CAL2A68.d
Lab Smp Id: 0G12007-CAL2 Client Smp ID: SSTD1.2W8
Inj Date : 12-JUL-2010 18:22
Operator : OWS Inst ID: 5973hp68.i
Smp Info : SSTD1.2W8:OWS
Misc Info : SSTD1.2W8
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5973hp68.i/DS100712A68.b/SIM_8270Cv3DOD.m
Meth Date : 14-Jul-2010 13:28 byrd Quant Type: ISTD
Cal Date : 12-JUL-2010 18:22 Cal File: 0G12007-CAL2A68.d
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH+EXTRAICAL.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

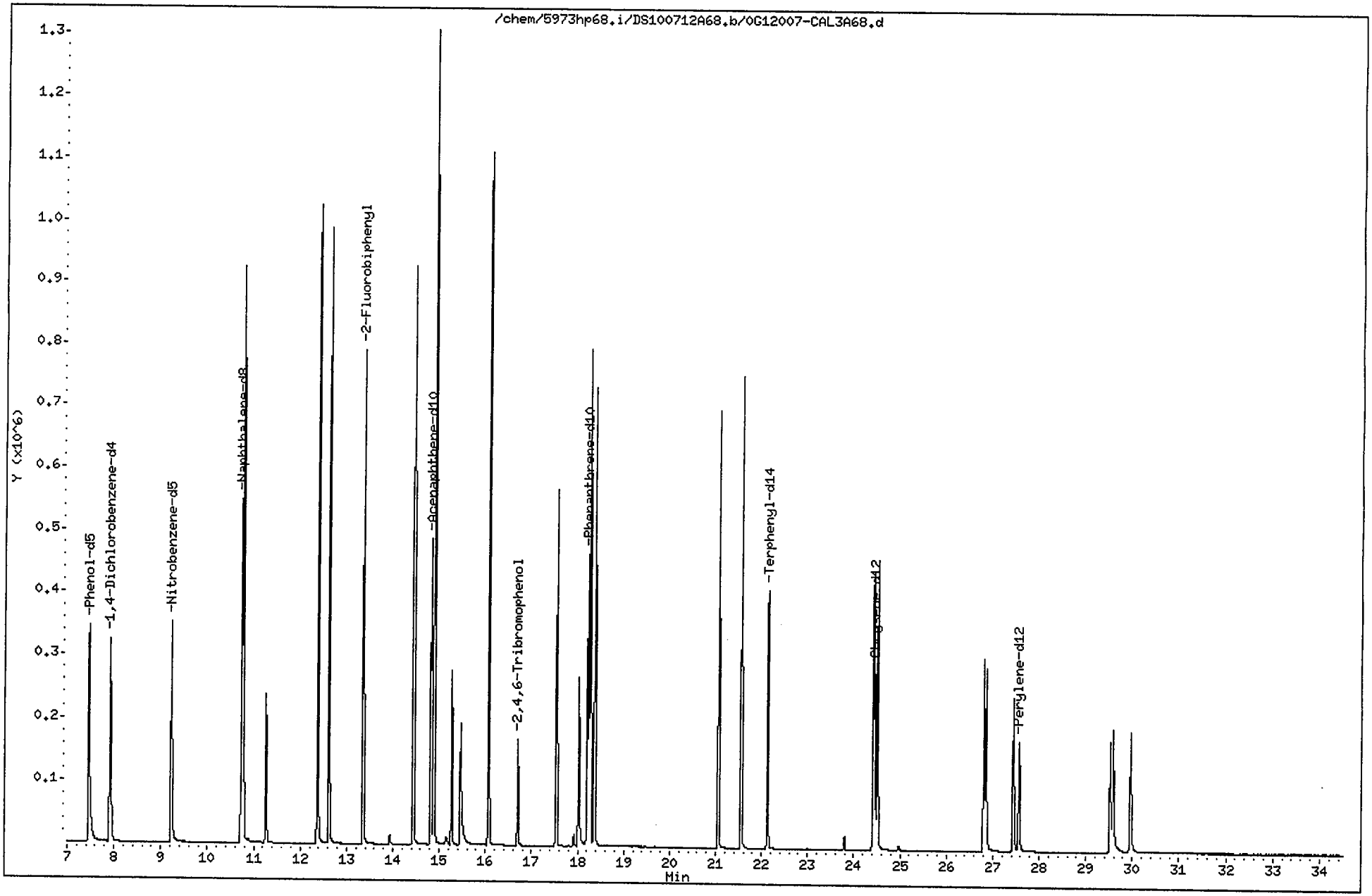
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	7.910	7.914	(1.000)	250352	2.00000	
*	2 Naphthalene-d8	136	10.728	10.728	(1.000)	850097	2.00000	
*	3 Acenaphthene-d10	164	14.825	14.813	(1.000)	417146	2.00000	
*	4 Phenanthrene-d10	188	18.214	18.214	(1.000)	629670	2.00000	
*	5 Chrysene-d12	240	24.452	24.452	(1.000)	358995	2.00000	
*	6 Perylene-d12	264	27.567	27.567	(1.000)	259402	2.00000	
$	7 2-Fluorophenol	112	5.468	5.471	(0.691)	132928	1.20000	1.1
$	8 Phenol-d5	99	7.455	7.455	(0.943)	229337	1.20000	1.1
$	9 Nitrobenzene-d5	82	9.225	9.218	(0.860)	182719	1.20000	1.1
$	10 2-Fluorobiphenyl	172	13.353	13.353	(0.901)	358795	1.20000	1.1
$	11 2,4,6-Tribromophenol	330	16.702	16.700	(1.127)	50910	1.20000	1.1
$	12 Terphenyl-d14	244	22.129	22.134	(0.905)	210440	1.20000	1.1
	13 Naphthalene	128	10.763	10.763	(1.003)	555888	1.20000	1.1
	14 Hexachlorobutadiene	225	11.258	11.258	(1.049)	89197	1.20000	1.1
	15 2-Methylnaphthalene	141	12.374	12.374	(1.153)	287425	1.20000	1.1

Data File: /chem/5973hp68.i/DS100712A68.b/0G12007-CAL2A68.d
Report Date: 14-Jul-2010 13:30

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
16 1-Methylnaphthalene	142	12.619	12.615	(1.176)	337386	1.20000	1.1
17 Acenaphthylene	152	14.445	14.445	(0.974)	500347	1.20000	1.2
18 Acenaphthene	154	14.882	14.894	(1.004)	299603	1.20000	1.1
20 4-Nitrophenol	139	15.474	15.456	(1.044)	135515	4.00000	4.6
21 Fluorene	166	16.068	16.073	(1.084)	337770	1.20000	1.1
23 Hexachlorobenzene	284	17.540	17.555	(0.963)	381913	4.00000	3.9
24 Pentachlorophenol	266	18.015	18.015	(0.989)	128988	4.00000	4.6
25 Phenanthrene	178	18.260	18.260	(1.003)	435970	1.20000	1.1
26 Anthracene	178	18.367	18.367	(1.008)	398038	1.20000	1.2
27 Fluoranthene	202	21.062	21.066	(1.156)	381602	1.20000	1.2
28 Pyrene	202	21.556	21.561	(0.882)	405026	1.20000	1.2
29 Benzo(a)anthracene	228	24.417	24.417	(0.999)	231268	1.20000	1.2
30 Chrysene	228	24.505	24.509	(1.002)	233898	1.20000	1.2
31 Benzo(b)fluoranthene	252	26.806	26.806	(0.972)	175958	1.20000	1.2
32 Benzo(k)fluoranthene	252	26.854	26.858	(0.974)	199175	1.20000	1.2
33 Benzo(a)pyrene	252	27.440	27.444	(0.995)	154618	1.20000	1.2
34 Indeno(1,2,3-cd)pyrene	276	29.522	29.522	(1.071)	103447	1.20000	1.2
35 Dibenzo(a,h)anthracene	278	29.584	29.584	(1.073)	99819	1.20000	1.2
36 Benzo(g,h,i)perylene	276	29.960	29.964	(1.087)	124907	1.20000	1.2

Data File: /chem/5973hp68.i/DS100712A68.b/0G12007-CAL3A68.d
Date : 12-JUL-2010 19:06
Client ID: SSTD003W8
Sample Info: SSTD003W8:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5973hp68.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5973hp68.i/DS100712A68.b/0G12007-CAL3A68.d
Report Date: 14-Jul-2010 13:30

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Data file : /chem/5973hp68.i/DS100712A68.b/0G12007-CAL3A68.d
Lab Smp Id: 0G12007-CAL3 Client Smp ID: SSTD003W8
Inj Date : 12-JUL-2010 19:06
Operator : OWS Inst ID: 5973hp68.i
Smp Info : SSTD003W8:OWS
Misc Info : SSTD003W8
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5973hp68.i/DS100712A68.b/SIM_8270Cv3DOD.m
Meth Date : 14-Jul-2010 13:28 byrd Quant Type: ISTD
Cal Date : 12-JUL-2010 19:06 Cal File: 0G12007-CAL3A68.d
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH+EXTRAICAL.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	7.914	7.914	(1.000)	264848	2.00000	
* 2 Naphthalene-d8	136	10.728	10.728	(1.000)	896689	2.00000	
* 3 Acenaphthene-d10	164	14.813	14.813	(1.000)	439687	2.00000	
* 4 Phenanthrene-d10	188	18.214	18.214	(1.000)	675019	2.00000	
* 5 Chrysene-d12	240	24.452	24.452	(1.000)	402013	2.00000	
* 6 Perylene-d12	264	27.563	27.567	(1.000)	282177	2.00000	
$ 7 2-Fluorophenol	112	5.473	5.471	(0.691)	352271	3.00000	2.9
$ 8 Phenol-d5	99	7.455	7.455	(0.942)	604464	3.00000	2.9
$ 9 Nitrobenzene-d5	82	9.220	9.218	(0.859)	486034	3.00000	2.9
$ 10 2-Fluorobiphenyl	172	13.353	13.353	(0.901)	902582	3.00000	2.8
$ 11 2,4,6-Tribromophenol	330	16.698	16.700	(1.127)	141023	3.00000	3.0
$ 12 Terphenyl-d14	244	22.129	22.134	(0.905)	562333	3.00000	2.8
13 Naphthalene	128	10.763	10.763	(1.003)	1398233	3.00000	2.7
14 Hexachlorobutadiene	225	11.258	11.258	(1.049)	226724	3.00000	2.8
15 2-Methylnaphthalene	141	12.374	12.374	(1.153)	734679	3.00000	2.8

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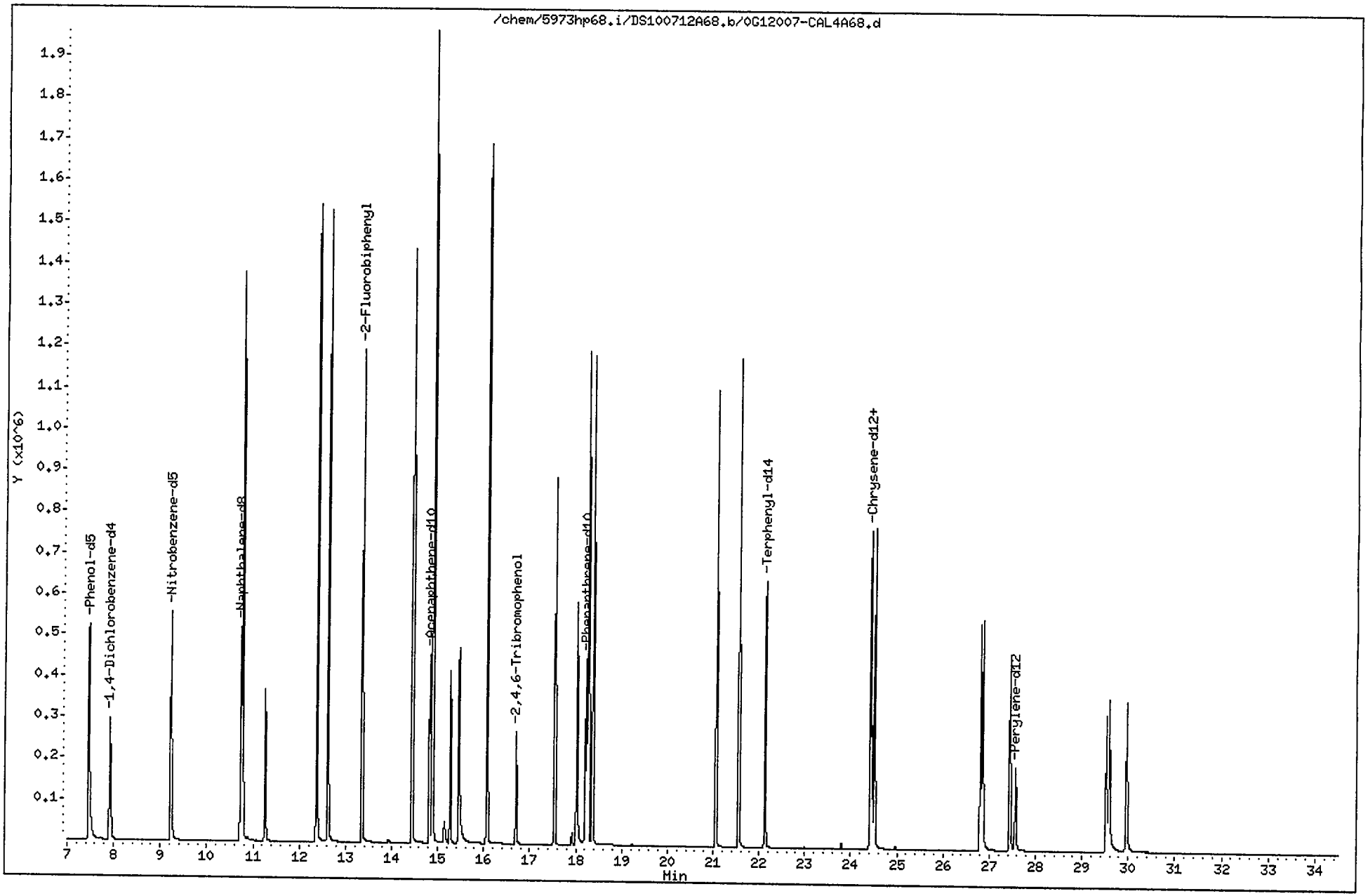
Data File: /chem/5973hp68.i/DS100712A68.b/0G12007-CAL3A68.d
Report Date: 14-Jul-2010 13:30

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
16 1-Methylnaphthalene	142	12.615	12.615	(1.176)	859289	3.00000	2.8
17 Acenaphthylene	152	14.445	14.445	(0.975)	1257761	3.00000	2.8
18 Acenaphthene	154	14.882	14.894	(1.005)	761392	3.00000	2.8
20 4-Nitrophenol	139	15.456	15.456	(1.043)	325801	8.00000	9.4
21 Fluorene	166	16.068	16.073	(1.085)	867731	3.00000	2.9
23 Hexachlorobenzene	284	17.540	17.555	(0.963)	749059	8.00000	7.5
24 Pentachlorophenol	266	18.015	18.015	(0.989)	334689	8.00000	9.8
25 Phenanthrene	178	18.260	18.260	(1.003)	1108203	3.00000	2.8
26 Anthracene	178	18.367	18.367	(1.008)	1047651	3.00000	2.9
27 Fluoranthene	202	21.062	21.066	(1.156)	1017237	3.00000	2.9
28 Pyrene	202	21.556	21.561	(0.882)	1077719	3.00000	2.9
29 Benzo(a)anthracene	228	24.413	24.417	(0.998)	638260	3.00000	2.9
30 Chrysene	228	24.505	24.509	(1.002)	637518	3.00000	2.9
31 Benzo(b)fluoranthene	252	26.801	26.806	(0.972)	496600	3.00000	3.0
32 Benzo(k)fluoranthene	252	26.854	26.858	(0.974)	539878	3.00000	3.0
33 Benzo(a)pyrene	252	27.440	27.444	(0.996)	422269	3.00000	3.0
34 Indeno(1,2,3-cd)pyrene	276	29.522	29.522	(1.071)	279491	3.00000	3.0
35 Dibenzo(a,h)anthracene	278	29.584	29.584	(1.073)	277996	3.00000	3.1
36 Benzo(g,h,i)perylene	276	29.960	29.964	(1.087)	334926	3.00000	3.0

Data File: /chem/5973hp68.i/DS100712A68.b/0G12007-CAL4A68.d
Date : 12-JUL-2010 19:49
Client ID: SSTD005W8
Sample Info: SSTD005W8:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5973hp68.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5973hp68.i/DS100712A68.b/0G12007-CAL4A68.d
Report Date: 14-Jul-2010 13:30

CompuChem

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Data file : /chem/5973hp68.i/DS100712A68.b/0G12007-CAL4A68.d
Lab Smp Id: 0G12007-CAL4 Client Smp ID: SSTD005W8
Inj Date : 12-JUL-2010 19:49
Operator : OWS Inst ID: 5973hp68.i
Smp Info : SSTD005W8:OWS
Misc Info : SSTD005W8
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5973hp68.i/DS100712A68.b/SIM_8270Cv3DOD.m
Meth Date : 14-Jul-2010 13:28 byrd Quant Type: ISTD
Cal Date : 12-JUL-2010 19:49 Cal File: 0G12007-CAL4A68.d
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH+EXTRAICAL.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	7.915	7.914	(1.000)	249901	2.00000	
* 2 Naphthalene-d8	136	10.728	10.728	(1.000)	846558	2.00000	
* 3 Acenaphthene-d10	164	14.825	14.813	(1.000)	415814	2.00000	
* 4 Phenanthrene-d10	188	18.214	18.214	(1.000)	643689	2.00000	
* 5 Chrysene-d12	240	24.453	24.452	(1.000)	424890	2.00000	
* 6 Perylene-d12	264	27.567	27.567	(1.000)	315932	2.00000	
$ 7 2-Fluorophenol	112	5.471	5.471	(0.691)	535252	5.00000	4.7
$ 8 Phenol-d5	99	7.455	7.455	(0.942)	938694	5.00000	4.8
$ 9 Nitrobenzene-d5	82	9.220	9.218	(0.859)	765162	5.00000	4.9
$ 10 2-Fluorobiphenyl	172	13.354	13.353	(0.901)	1379795	5.00000	4.6
$ 11 2,4,6-Tribromophenol	330	16.698	16.700	(1.126)	224166	5.00000	5.0
$ 12 Terphenyl-d14	244	22.130	22.134	(0.905)	898047	5.00000	4.4
13 Naphthalene	128	10.763	10.763	(1.003)	2116771	5.00000	4.5
14 Hexachlorobutadiene	225	11.258	11.258	(1.049)	348350	5.00000	4.7
15 2-Methylnaphthalene	141	12.374	12.374	(1.153)	1122984	5.00000	4.6

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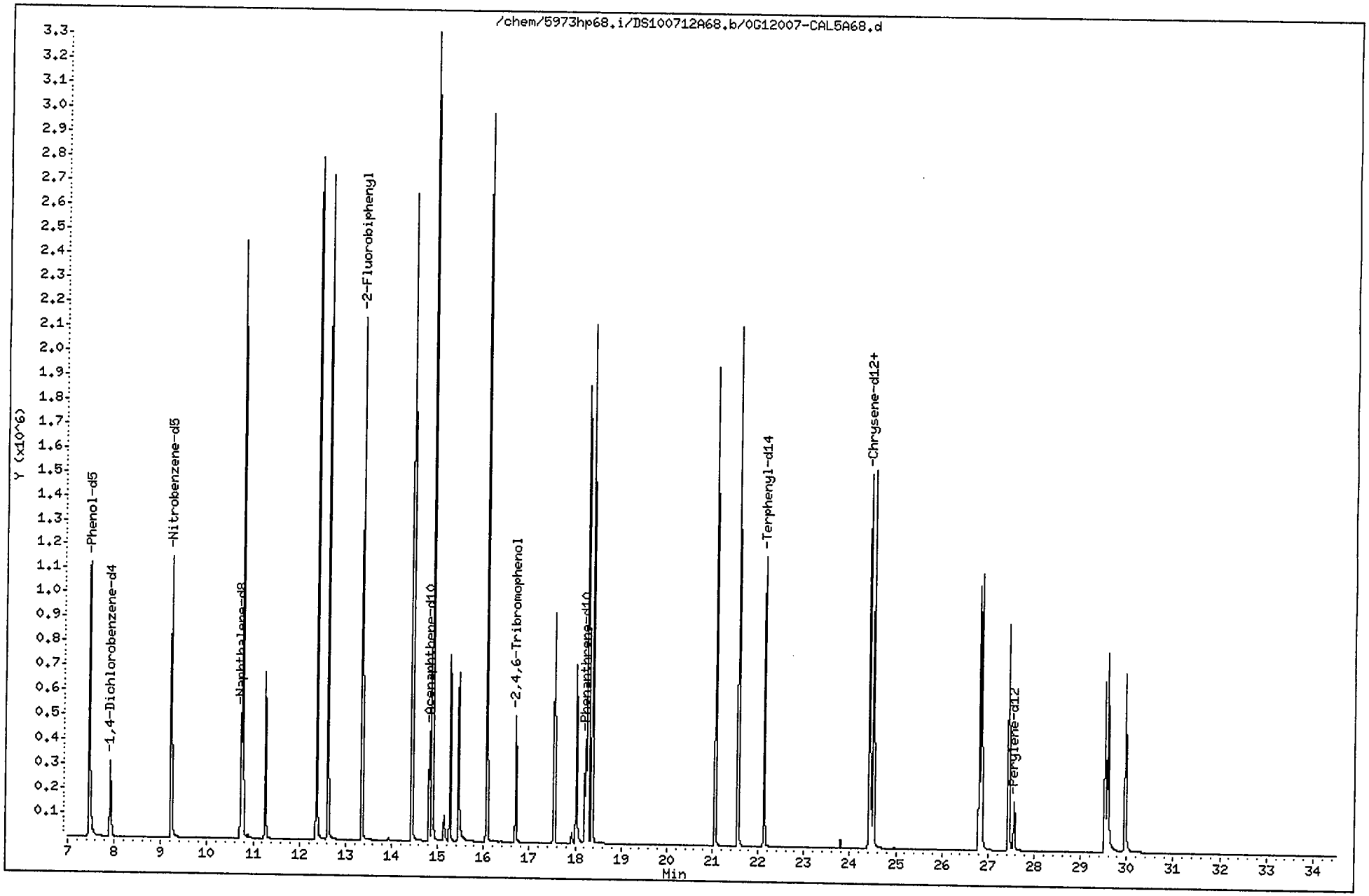
Data File: /chem/5973hp68.i/DS100712A68.b/0G12007-CAL4A68.d
Report Date: 14-Jul-2010 13:30

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
16 1-Methylnaphthalene	142	12.615	12.615	(1.176)	1308588	5.00000	4.6
17 Acenaphthylene	152	14.445	14.445	(0.974)	1940673	5.00000	4.7
18 Acenaphthene	154	14.882	14.894	(1.004)	1172498	5.00000	4.7
20 4-Nitrophenol	139	15.452	15.456	(1.042)	672891	16.0000	19
21 Fluorene	166	16.068	16.073	(1.084)	1332981	5.00000	4.7
23 Hexachlorobenzene	284	17.540	17.555	(0.963)	1322764	16.0000	14
24 Pentachlorophenol	266	18.015	18.015	(0.989)	699563	16.0000	20
25 Phenanthrene	178	18.260	18.260	(1.003)	1702987	5.00000	4.6
26 Anthracene	178	18.367	18.367	(1.008)	1632158	5.00000	4.8
27 Fluoranthene	202	21.062	21.066	(1.156)	1586869	5.00000	4.8
28 Pyrene	202	21.556	21.561	(0.882)	1698869	5.00000	4.4
29 Benzo(a)anthracene	228	24.418	24.417	(0.999)	1095482	5.00000	4.8
30 Chrysene	228	24.509	24.509	(1.002)	1094425	5.00000	4.8
31 Benzo(b)fluoranthene	252	26.806	26.806	(0.972)	903295	5.00000	4.9
32 Benzo(k)fluoranthene	252	26.854	26.858	(0.974)	1007029	5.00000	5.0
33 Benzo(a)pyrene	252	27.440	27.444	(0.995)	792458	5.00000	5.0
34 Indeno(1,2,3-cd)pyrene	276	29.522	29.522	(1.071)	516881	5.00000	5.0
35 Dibenzo(a,h)anthracene	278	29.584	29.584	(1.073)	514945	5.00000	5.1
36 Benzo(g,h,i)perylene	276	29.960	29.964	(1.087)	607154	5.00000	4.9

Data File: /chem/5973hp68.i/DS100712A68.b/0G12007-CAL5A68.d
Date : 12-JUL-2010 20:33
Client ID: SSTD010W8
Sample Info: SSTD010W8:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5973hp68.i

Operator: OWS
Column diameter: 0.32



Data File: /chem/5973hp68.i/DS100712A68.b/0G12007-CAL5A68.d
Report Date: 14-Jul-2010 13:30

CompuChem

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Data file : /chem/5973hp68.i/DS100712A68.b/0G12007-CAL5A68.d
Lab Smp Id: 0G12007-CAL5 Client Smp ID: SSTD010W8
Inj Date : 12-JUL-2010 20:33
Operator : OWS Inst ID: 5973hp68.i
Smp Info : SSTD010W8:OWS
Misc Info : SSTD010W8
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5973hp68.i/DS100712A68.b/SIM_8270Cv3DOD.m
Meth Date : 14-Jul-2010 13:28 byrd Quant Type: ISTD
Cal Date : 12-JUL-2010 20:33 Cal File: 0G12007-CAL5A68.d
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH+EXTRAICAL.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	7.914	7.914	(1.000)	248770	2.00000	
* 2 Naphthalene-d8	136	10.728	10.728	(1.000)	835677	2.00000	
* 3 Acenaphthene-d10	164	14.813	14.813	(1.000)	404328	2.00000	
* 4 Phenanthrene-d10	188	18.214	18.214	(1.000)	622059	2.00000	
* 5 Chrysene-d12	240	24.452	24.452	(1.000)	454454	2.00000	
* 6 Perylene-d12	264	27.567	27.567	(1.000)	316300	2.00000	
$ 7 2-Fluorophenol	112	5.471	5.471	(0.691)	1089199	10.0000	9.7
$ 8 Phenol-d5	99	7.455	7.455	(0.942)	1798739	10.0000	9.4
$ 9 Nitrobenzene-d5	82	9.218	9.218	(0.859)	1480854	10.0000	9.7
$ 10 2-Fluorobiphenyl	172	13.353	13.353	(0.901)	2480665	10.0000	8.7
$ 11 2,4,6-Tribromophenol	330	16.700	16.700	(1.127)	427713	10.0000	9.9
$ 12 Terphenyl-d14	244	22.134	22.134	(0.905)	1685858	10.0000	8.1
13 Naphthalene	128	10.763	10.763	(1.003)	3795347	10.0000	8.5
14 Hexachlorobutadiene	225	11.258	11.258	(1.049)	643866	10.0000	9.0
15 2-Methylnaphthalene	141	12.374	12.374	(1.153)	2050760	10.0000	8.8

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Data File: /chem/5973hp68.i/DS100712A68.b/0G12007-CAL5A68.d
Report Date: 14-Jul-2010 13:30

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
16 1-Methylnaphthalene	142	12.615	12.615	(1.176)	2380016	10.0000	8.8
17 Acenaphthylene	152	14.445	14.445	(0.975)	3444488	10.0000	8.8
18 Acenaphthene	154	14.894	14.894	(1.005)	2100731	10.0000	8.9
20 4-Nitrophenol	139	15.456	15.456	(1.043)	900419	20.0000	25(A)
21 Fluorene	166	16.073	16.073	(1.085)	2406001	10.0000	9.0
23 Hexachlorobenzene	284	17.555	17.555	(0.964)	1531785	20.0000	18
24 Pentachlorophenol	266	18.015	18.015	(0.989)	881045	20.0000	24(A)
25 Phenanthrene	178	18.260	18.260	(1.003)	3068386	10.0000	8.9
26 Anthracene	178	18.367	18.367	(1.008)	2951923	10.0000	9.2
27 Fluoranthene	202	21.066	21.066	(1.157)	2947121	10.0000	9.4
28 Pyrene	202	21.561	21.561	(0.882)	3138974	10.0000	8.0
29 Benzo(a)anthracene	228	24.417	24.417	(0.999)	2224144	10.0000	9.3
30 Chrysene	228	24.509	24.509	(1.002)	2186872	10.0000	9.1
31 Benzo(b)fluoranthene	252	26.806	26.806	(0.972)	1818673	10.0000	9.9
32 Benzo(k)fluoranthene	252	26.858	26.858	(0.974)	1947766	10.0000	9.7
33 Benzo(a)pyrene	252	27.444	27.444	(0.996)	1577441	10.0000	9.9
34 Indeno(1,2,3-cd)pyrene	276	29.522	29.522	(1.071)	1066466	10.0000	10(A)
35 Dibenzo(a,h)anthracene	278	29.584	29.584	(1.073)	1072335	10.0000	10(A)
36 Benzo(g,h,i)perylene	276	29.964	29.964	(1.087)	1219012	10.0000	9.8

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /chem/5973hp68.i/DS100712A68.b/SRC100712A68.d
Report Date: 13-Jul-2010 10:49

CompuChem

RECOVERY REPORT

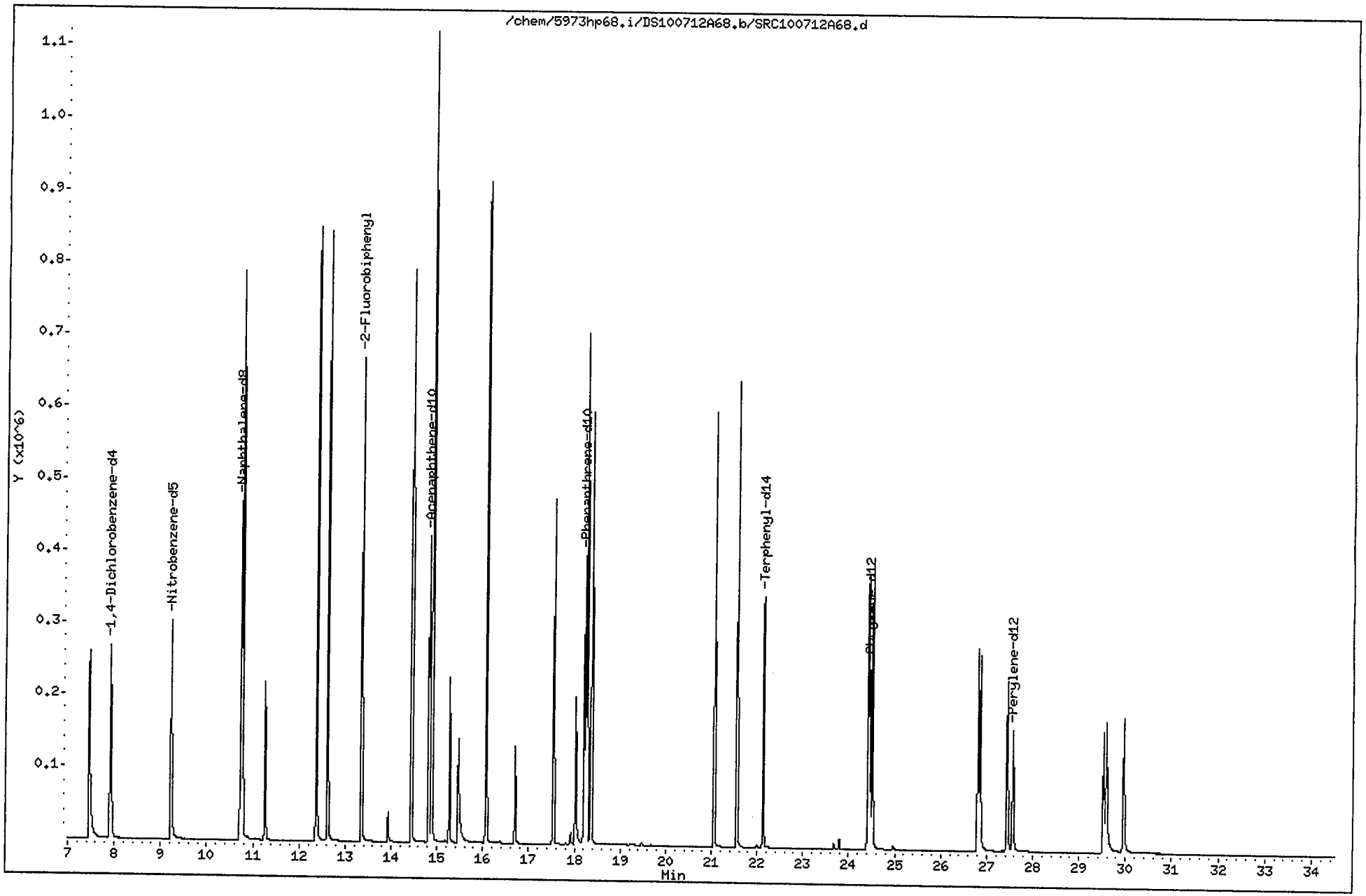
Client Name:
Sample Matrix: LIQUID
Lab Smp Id: SRC100712
Level: LOW
Data Type: MS DATA
SpikeList File: 2ndsourceSIM.spk
Sublist File: ICALPAH.sub
Client SDG: DS100712A68
Fraction: SV
Client Smp ID: SSTD003VAL
Operator: 2650
SampleType: LCS
Quant Type: ISTD
Method File: /chem/5973hp68.i/DS100712A68.b/SIM_8270Cv3DOD.m
Misc Info: SSTD003VAL

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
13 Naphthalene	1.5	1.5	98.32	80-120
14 Hexachlorobutadie	1.5	0.0	*	80-120
15 2-Methylnaphthalen	1.5	1.5	97.59	80-120
16 1-Methylnaphthale	1.5	0.0	*	80-120
17 Acenaphthylene	1.5	1.5	97.44	80-120
18 Acenaphthene	1.5	1.5	99.09	80-120
20 4-Nitrophenol	4.0	0.0	*	80-120
21 Fluorene	1.5	1.5	97.49	80-120
23 Hexachlorobenzene	4.0	0.0	*	80-120
24 Pentachlorophenol	4.0	0.0	*	80-120
25 Phenanthrene	1.5	1.5	99.28	80-120
26 Anthracene	1.5	1.5	98.86	80-120
27 Fluoranthene	1.5	1.5	99.97	80-120
28 Pyrene	1.5	1.5	100.60	80-120
29 Benzo(a)anthracene	1.5	1.4	95.84	80-120
30 Chrysene	1.5	1.5	101.19	80-120
31 Benzo(b)fluoranthe	1.5	1.5	101.24	80-120
32 Benzo(k)fluoranthe	1.5	1.5	99.82	80-120
33 Benzo(a)pyrene	1.5	1.5	100.74	80-120
34 Indeno(1,2,3-cd)py	1.5	1.5	101.54	80-120
35 Dibenzo(a,h)anthra	1.5	1.5	100.26	80-120
36 Benzo(g,h,i)peryle	1.5	1.5	103.16	80-120

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 9 Nitrobenzene-d5	1.5	1.5	99.57	40-110
$ 10 2-Fluorobiphenyl	1.5	1.5	98.12	50-110
$ 12 Terphenyl-d14	1.5	1.5	97.31	50-135

Data File: /chem/5973hp68.i/DS100712A68.b/SRC100712A68.d
Date : 12-JUL-2010 21:17
Client ID: SSTD003VAL
Sample Info: SSTD003VAL
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5973hp68.i
Operator: 2650
Column diameter: 0.32



Data File: /chem/5973hp68.i/DS100712A68.b/SRC100712A68.d
Report Date: 14-Jul-2010 12:29

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5973hp68.i/DS100712A68.b/SRC100712A68.d
Lab Smp Id: SRC100712 Client Smp ID: SSTD003VAL
Inj Date : 12-JUL-2010 21:17
Operator : 2650 Inst ID: 5973hp68.i
Smp Info : SSTD003VAL
Misc Info : SSTD003VAL
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5973hp68.i/DS100712A68.b/SIM_8270Cv3DOD.m
Meth Date : 14-Jul-2010 12:29 byrd Quant Type: ISTD
Cal Date : 12-JUL-2010 20:33 Cal File: 0G12007-CAL5A68.d
Als bottle: 6 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	7.914	7.914	(1.000)	225038	2.00000	
* 2 Naphthalene-d8	136	10.728	10.728	(1.000)	766814	2.00000	
* 3 Acenaphthene-d10	164	14.813	14.813	(1.000)	374294	2.00000	
* 4 Phenanthrene-d10	188	18.214	18.214	(1.000)	575617	2.00000	
* 5 Chrysene-d12	240	24.448	24.452	(1.000)	356911	2.00000	
* 6 Perylene-d12	264	27.563	27.567	(1.000)	262731	2.00000	
$ 9 Nitrobenzene-d5	82	9.223	9.218	(0.860)	420364	2.98723	1.5
$ 10 2-Fluorobiphenyl	172	13.353	13.353	(0.901)	773803	2.94352	1.5
$ 12 Terphenyl-d14	244	22.129	22.134	(0.905)	480001	2.91924	1.5
13 Naphthalene	128	10.763	10.763	(1.003)	1201720	2.94953	1.5
15 2-Methylnaphthalene	141	12.374	12.374	(1.153)	622663	2.92763	1.5
17 Acenaphthylene	152	14.433	14.445	(0.974)	1054945	2.92325	1.5
18 Acenaphthene	154	14.882	14.894	(1.005)	650238	2.97283	1.5
21 Fluorene	166	16.068	16.073	(1.085)	723517	2.92482	1.5
25 Phenanthrene	178	18.260	18.260	(1.003)	952030	2.97830	1.5

07/14/10

Data File: /chem/5973hp68.i/DS100712A68.b/SRC100712A68.d
Report Date: 14-Jul-2010 12:29

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
26 Anthracene	178	18.367	18.367	(1.008)	881049	2.96580	1.5
27 Fluoranthene	202	21.058	21.066	(1.156)	867749	2.99921	1.5
28 Pyrene	202	21.556	21.561	(0.882)	924301	3.01815	1.5
29 Benzo(a)anthracene	228	24.413	24.417	(0.999)	540690	2.87508	1.4
30 Chrysene	228	24.505	24.509	(1.002)	571796	3.03569	1.5
31 Benzo(b)fluoranthene	252	26.801	26.806	(0.972)	464875	3.03711	1.5
32 Benzo(k)fluoranthene	252	26.849	26.858	(0.974)	498616	2.99456	1.5
33 Benzo(a)pyrene	252	27.436	27.444	(0.995)	398109	3.02219	1.5
34 Indeno(1,2,3-cd)pyrene	276	29.518	29.522	(1.071)	263884	3.04622	1.5
35 Dibenzo(a,h)anthracene	278	29.584	29.584	(1.073)	255406	3.00777	1.5
36 Benzo(g,h,i)perylene	276	29.956	29.964	(1.087)	319223	3.09483	1.5

COMPUCHEM a Division of Liberty Analytical Corp
GC/MS SEMIVOLATILE RUN LOG
LOGBOOK 4Z(4) 1 (5973hp68)

DATE 7/12/10 INITIAL TIME OF TUNE 1730 SHIFT/S (A) X (B)____ (C)____
TIME TUNE EXPIRES 0530 METHOD PAH Sim
PREVENTIVE MAINTENANCE Frnt, Cinn, Septa, Seal

	SEQUENCE#	REJECTED	FILENAME	REJECTED	DATE	TIME	CLIENT ID	SDG#	AMOUNT INJECTED	CHEMIST	COMMENTS
1	OG12007		NA		7/12/10	1730	FC43	—	2uL	OWJ	SCO=LCO
2	5100712A		OG12007-CAL1 A&B		/ /	1735	55+00.4 W8	—			06/2004 10-12-10
3			CAL2		/ /	1822	1.2	—			06/2005
4			CAL3		/ /	1906	003	—			06/2006
5			CAL4		/ /	1949	005	—			06/2008
6			CAL5		/ /	2033	010	—			06/2009
7			SRC100712		/ /	2117	55TD003 VOL	—			OE26005 8-26-10
8			0060327-BLK1		/ /	2200	SBLKEP	1006025			
9			BS1		/ /	2245	SEP LCS				
10			BSD1		/ /	2328	SEP LCSD				
11			1006025-01		7/13/10	0012	BBG-GW02 4CH				
12			02		/ /	0056	-GW02VCHD				
13			03		/ /	0139	-GW01 4CH				
14			04		/ /	0223	-GW05				
15			05		/ /	0306	-GW05 4CH				
16			06		/ /	0350	-GW06				
17			07		/ /	0433	EB 060210-1				
18					/ /						
19					/ /						
20					/ /						
21					/ /						
22					/ /						
23					/ /						
24					/ /						

7-13-10

DFTPP Lot #/Exp. Date: NA
Calibration STD Lot#/Exp. Date: OG See comments GW57-12-10
Internal STD Lot#/Exp. Date: OG08003 1-8-10
Methylene Chloride Lot#/Exp. Date: JT8503 8-31-11
Column Type: RTx-5MS 0.32mm

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

REVIEWED BY: RM DATE 7/13/10

10/06/08: jr

b. Continuing Calibration Data (Form VII SV)

If more than one instrument is used, forms shall be arranged in order by instrument. If multiple continuing calibrations from the same instrument are used, they shall be in chronological order.

(1) Chromatograms and quantitation reports for all continuing (12-hour) calibrations. Spectra not required.

(2) EICPs displaying each manual integration.

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Instrument ID: 5972HP66 Calibration Date: 07/10/10 Time: 0834

Lab File ID: 0G10004-CCV1A6 Init. Calib. Date(s): 07/09/10 07/09/10

Init. Calib. Times: 1433 1649

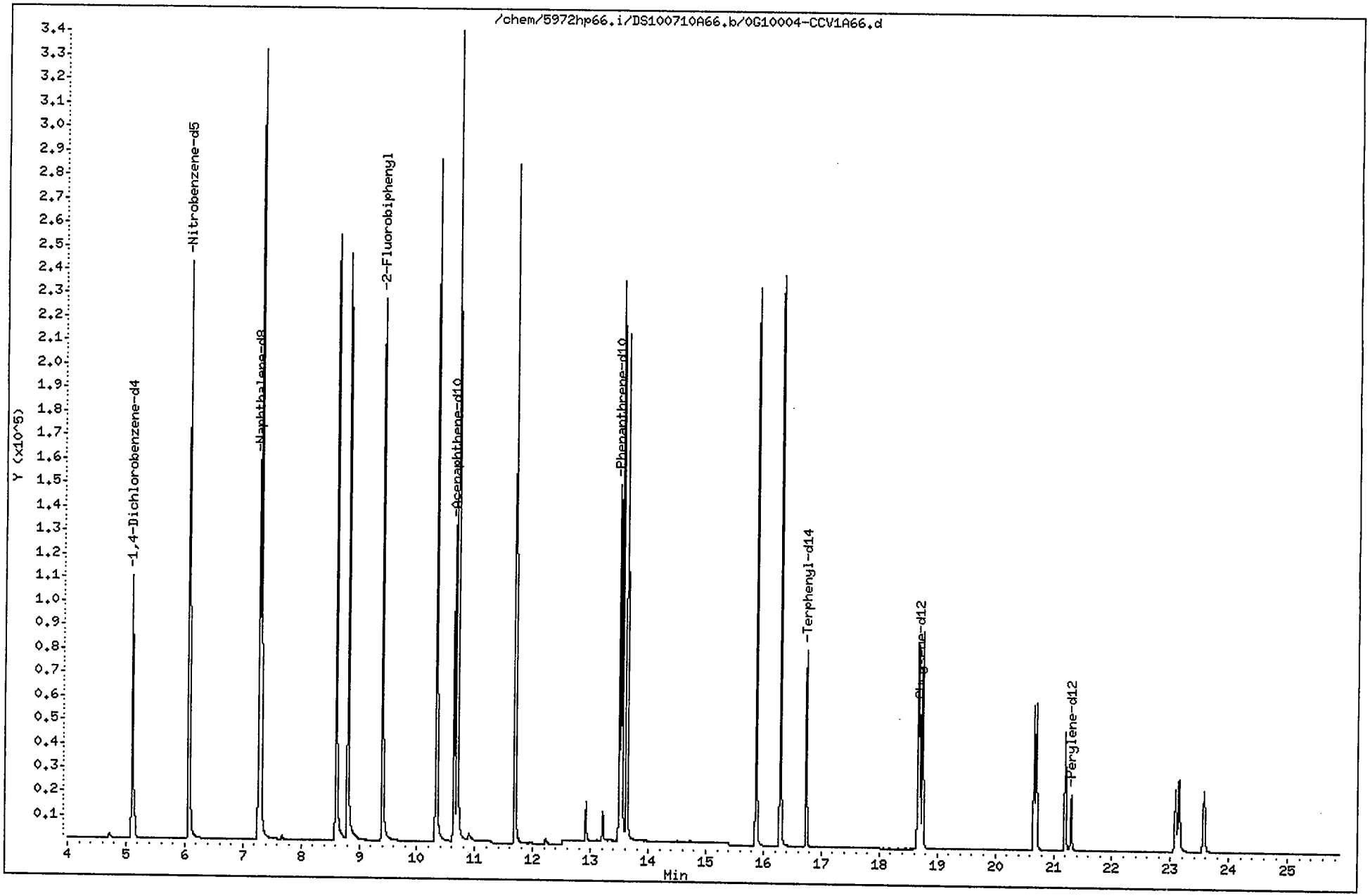
GC Column: RTX-5MS ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF3.0000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Naphthalene	1.5500000	1.4850920	0.01	-4.19	50.00	AVRG
2-Methylnaphthalene	0.6460000	0.5995357	0.01	-7.19	50.00	AVRG
Acenaphthylene	2.2290000	2.2179939	0.01	-0.49	50.00	AVRG
Acenaphthene	1.3870000	1.3374295	0.01	-3.57	20.00	AVRG
Fluorene	1.4910000	1.4213937	0.01	-4.67	50.00	AVRG
Phenanthrene	1.2560000	1.2642143	0.01	0.65	50.00	AVRG
Anthracene	1.1390000	1.1900085	0.01	4.48	50.00	AVRG
Fluoranthene	0.9730000	0.9471405	0.01	-2.66	20.00	AVRG
Pyrene	2.0100000	2.4937092	0.01	24.06	50.00	AVRG
Benzo(a)anthracene	1.0740000	1.1748731	0.01	9.39	50.00	AVRG
Chrysene	1.1140000	1.2250181	0.01	9.96	50.00	AVRG
Benzo(b)fluoranthene	1.3110000	1.6552687	0.01	26.26	50.00	AVRG
Benzo(k)fluoranthene	1.4080000	1.7592895	0.01	24.95	50.00	AVRG
Benzo(a)pyrene	1.2040000	1.3986715	0.01	16.17	20.00	AVRG
Indeno(1,2,3-cd)pyrene	1.0620000	0.8792716	0.01	-17.21	50.00	AVRG
Dibenzo(a,h)anthracene	0.9240000	0.8267281	0.01	-10.53	50.00	AVRG
Benzo(g,h,i)perylene	1.2100000	0.9357814	0.01	-22.66	50.00	AVRG
Nitrobenzene-d5	1.0410000	1.0149820	0.01	-2.50	50.00	AVRG
2-Fluorobiphenyl	1.7620000	1.7230943	0.01	-2.21	50.00	AVRG
Terphenyl-d14	0.7360000	0.9565084	0.01	29.96	50.00	AVRG

FORM VII SV

Data File: /chem/5972hp66.i/DS100710A66.b/0G10004-CCV1A66.d
Date : 10-JUL-2010 08:34
Client ID: SSTD003GK
Sample Info: SSTD003GK:RKM
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: RKM
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100710A66.b/0G10004-CCV1A66.d
Report Date: 12-Jul-2010 23:26

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100710A66.b/0G10004-CCV1A66.d
Lab Smp Id: 0G10004-CCV1 Client Smp ID: SSTD003GK
Inj Date : 10-JUL-2010 08:34
Operator : RKM Inst ID: 5972hp66.i
Smp Info : SSTD003GK:RKM
Misc Info : SSTD003GK
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100710A66.b/SIM_8270Cv3DOD.m
Meth Date : 12-Jul-2010 23:26 byrd Quant Type: ISTD
Cal Date : 09-JUL-2010 16:49 Cal File: 0G09004-CAL5A66.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH+1.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	5.102	5.102	(1.000)	76954	2.00000	
* 2 Naphthalene-d8	136	7.270	7.270	(1.000)	207048	2.00000	
* 3 Acenaphthene-d10	164	10.640	10.640	(1.000)	100908	2.00000	
* 4 Phenanthrene-d10	188	13.495	13.495	(1.000)	152423	2.00000	
* 5 Chrysene-d12	240	18.698	18.698	(1.000)	58816	2.00000	
* 6 Perylene-d12	264	21.302	21.302	(1.000)	31263	2.00000	
$ 9 Nitrobenzene-d5	82	6.068	6.068	(0.835)	315225	3.00000	2.9
$ 10 2-Fluorobiphenyl	172	9.399	9.399	(0.883)	260811	3.00000	2.9
$ 12 Terphenyl-d14	244	16.743	16.743	(0.895)	84387	3.00000	3.9
13 Naphthalene	128	7.301	7.301	(1.004)	461228	3.00000	2.9
15 2-Methylnaphthalene	141	8.605	8.605	(1.184)	186199	3.00000	2.8
16 1-Methylnaphthalene	142	8.808	8.808	(1.211)	209973	3.00000	2.9 (M)
17 Acenaphthylene	152	10.328	10.328	(0.971)	335720	3.00000	3.0
18 Acenaphthene	154	10.698	10.698	(1.005)	202436	3.00000	2.9
21 Fluorene	166	11.688	11.688	(1.098)	215145	3.00000	2.9

7/13/10

RM 7/13/10

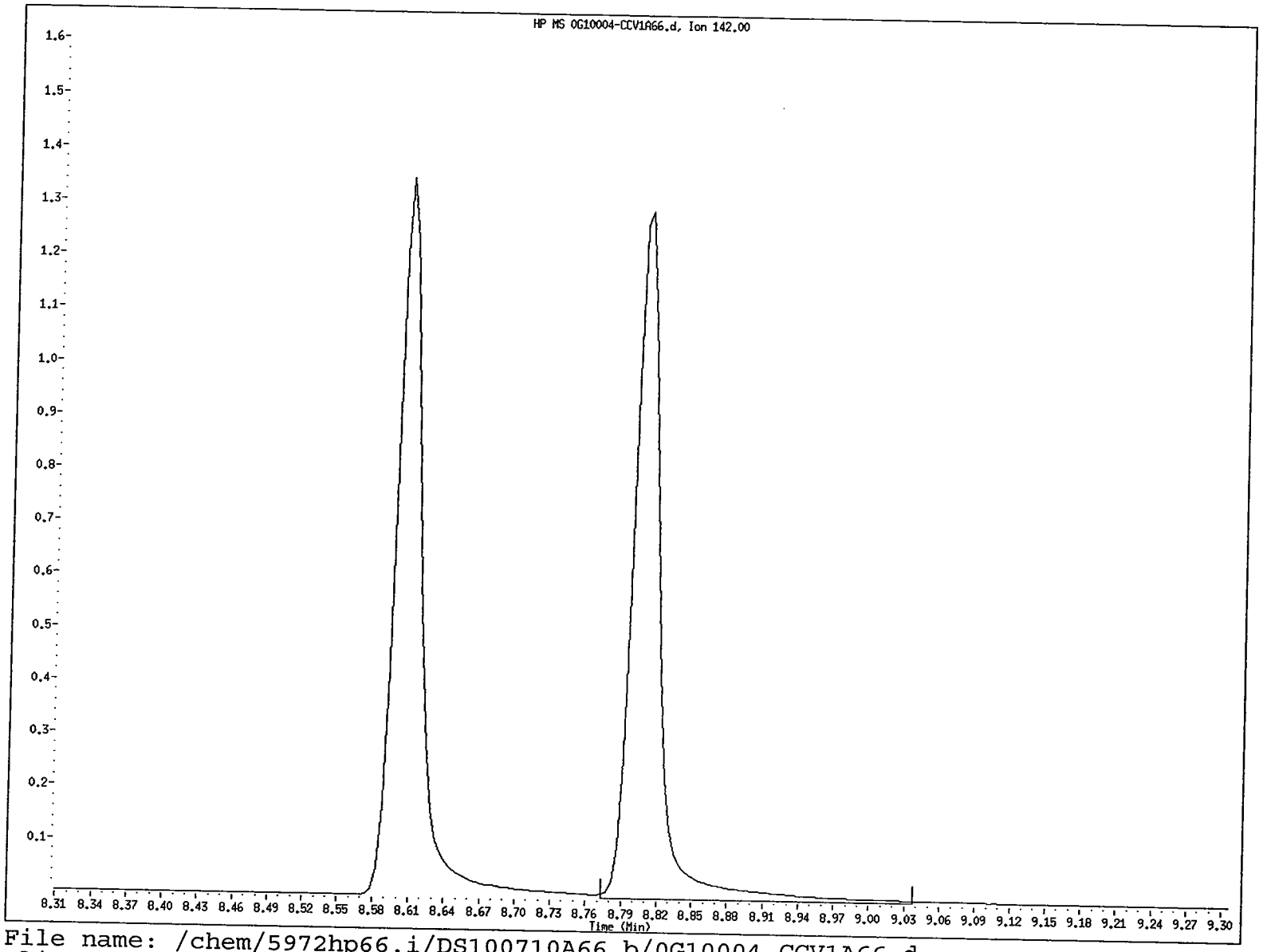
Data File: /chem/5972hp66.i/DS100710A66.b/0G10004-CCV1A66.d
Report Date: 12-Jul-2010 23:26

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
25 Phenanthrene	178	13.539	13.539	(1.003)	289043	3.00000	3.0
26 Anthracene	178	13.623	13.623	(1.009)	272077	3.00000	3.1
27 Fluoranthene	202	15.873	15.873	(1.176)	216549	3.00000	2.9
28 Pyrene	202	16.292	16.292	(0.871)	220005	3.00000	3.7
29 Benzo(a)anthracene	228	18.667	18.667	(0.998)	103652	3.00000	3.3
30 Chrysene	228	18.746	18.746	(1.003)	108076	3.00000	3.3
31 Benzo(b)fluoranthene	252	20.663	20.663	(0.970)	77623	3.00000	3.8
32 Benzo(k)fluoranthene	252	20.703	20.703	(0.972)	82501	3.00000	3.7
33 Benzo(a)pyrene	252	21.197	21.197	(0.995)	65590	3.00000	3.5
34 Indeno(1,2,3-cd)pyrene	276	23.082	23.082	(1.084)	41233	3.00000	2.5
35 Dibenzo(a,h)anthracene	278	23.144	23.144	(1.086)	38769	3.00000	2.7
36 Benzo(g,h,i)perylene	276	23.572	23.572	(1.107)	43883	3.00000	2.3

QC Flag Legend

M - Compound response manually integrated.

1-Methylnaphthalene CAS Number 90-12-0 Area = 209973 Manually integrated



File name: /chem/5972hp66.i/DS100710A66.b/0G10004-CCV1A66.d
Client ID: SSTD003GK
Instrument ID: 5972hp66.i
Injection Date and Time: 10-JUL-2010 08:34
Retention Time: 8.81
Operator ID: RKM

COMPUCHEM a Division of Liberty Analytical Corp
GC/MS SEMIVOLATILE RUN LOG
LOGBOOK 4X(4) 21 (5972hp66)

DATE 7/10/10 INITIAL TIME OF TUNE 0828 SHIFT/S (A) ✓ (B)____ (C)____
TIME TUNE EXPIRES 2028
METHOD: 625 (8270C) 8270D OLC03.2 OLM04.3 SOM01.2 (Circle One) or Other: PAH SIM (Y/N)
PREVENTIVE MAINTENANCE None

	SEQUENCE#	REJECTED	FILENAME	EXTRACTED	DATE	TIME	CLIENT ID	SDG#	AMOUNT INJECTED	CHEMIST	COMMENTS
1	0G10004		FC43		7/10/10	0828	FC43	—	—	Rm	LCD = SCD
2	S100710A		0G10004-CCV1A66			0834	SSTD003GK	—	2 µL		
3			0052635-BLK1A66			0918	SBLKCY	Various			
4			0052635-BS1A66			0952	SCYLCS	↓			
5		/	0052635-BSD1A66	SH		1026	SCYLCSD	↓			
6			1005187-01A66			1100	BBG-GW10	1005187			
7			-02			1135	FB-052510	↓			
8			-03			1209	BBG-GW~~0~~01	↓			
9			-04			1243	EB1-052510	↓			
10			-05			1317	BBG-GW03	↓			
11			-06			1351	EB2-052510	↓			
12			1005186-08A66			1425	ADCF-FB01-10A	1005186			
13			-10			1459	1995MW01-10A	↓			
14			-11			1533	1995MW01D-10A	↓			
15		/	-13	DI		1607	1995MW07-10A	↓			
16			-14			1641	1995MW08-10A	↓			
17			-16			1715	ADCF-ER03-10A	↓			
18			0060117-BLK1J2A66			1750	SBLKDU	1005178			
19			1005178-02A66			1824	59SB13-01D	↓			
20			-03			1858	59SB13-05	↓			
21			0052428-BLKA66			1932	SBLKCH	1005175			
22			0052428-BS1A66			2006	Rm 7/10/10 SCYLCS				
23		/	0052428-BSD2A66	X	OT Rm 7/12/10	2040	SCYLCSD				
24		/	1005175-01A66	X	↓	2114	59FB02	↓	↓	↓	off clock ↓

DFTPP Lot #/Exp. Date: N/A
Calibration STD Lot#/Exp. Date: DF1800Z 8/18/10
Internal STD Lot#/Exp. Date: 0G08003 1/8/11
Methylene Chloride Lot#/Exp. Date: J17500 6/8/15
Column Type: RTX-5MS 0.32 mm

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

REVIEWED BY: [signature] DATE 7-12-10
6/01/09:jr

(cont on next page)

COMPUCHEM a Division of Liberty Analytical Corp

GC/MS SEMIVOLATILE RUN LOG

LOGBOOK 4X(4) 21 (5972hp66)

DATE 7/10/10 INITIAL TIME OF TUNE 0828 SHIFT/S (A) ✓ (B)____ (C)____

TIME TUNE EXPIRES 2028

METHOD: 625 (8270C) 8270D OLC03.2 OLM04.3 SOM01.2 (Circle One) or Other: PAH SIM: (Y/N)

PREVENTIVE MAINTENANCE None

244

	SEQUENCE#	REJECTED	FILENAME	REPORTED	DATE	TIME	CLIENT ID	SDG#	AMOUNT INJECTED	CHEMIST	COMMENTS
1			1005175-02Rec	X	7/10/10	2148	59ER05	1005175	2 µL	Rec	off clock
2				EVT 7/12/10	/ /						
3					/ /						
4					/ /						
5					/ /						
6					/ /						
7					/ /						
8					/ /						
9					/ /						
10					/ /						
11					/ /						
12					/ /						
13					/ /		PW 7/12/10				
14					/ /						
15					/ /						
16					/ /						
17					/ /						
18					/ /						
19					/ /						
20					/ /						
21					/ /						
22					/ /						
23					/ /						
24					/ /						

DFTPP Lot #/Exp. Date: N/A

Calibration STD Lot#/Exp. Date: 0F18002 8/18/10

Internal STD Lot#/Exp. Date: 0G08003 1/8/11

Methylene Chloride Lot#/Exp. Date: J17500 6/8/15

Column Type: RTX-5MS 0.32 mm

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

REVIEWED BY: [signature] DATE 7.12.10

6/01/09:jr

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Instrument ID: 5972HP66 Calibration Date: 07/12/10 Time: 1204

Lab File ID: 0G12001-CCV2A6 Init. Calib. Date(s): 07/09/10 07/09/10

Init. Calib. Times: 1433 1649

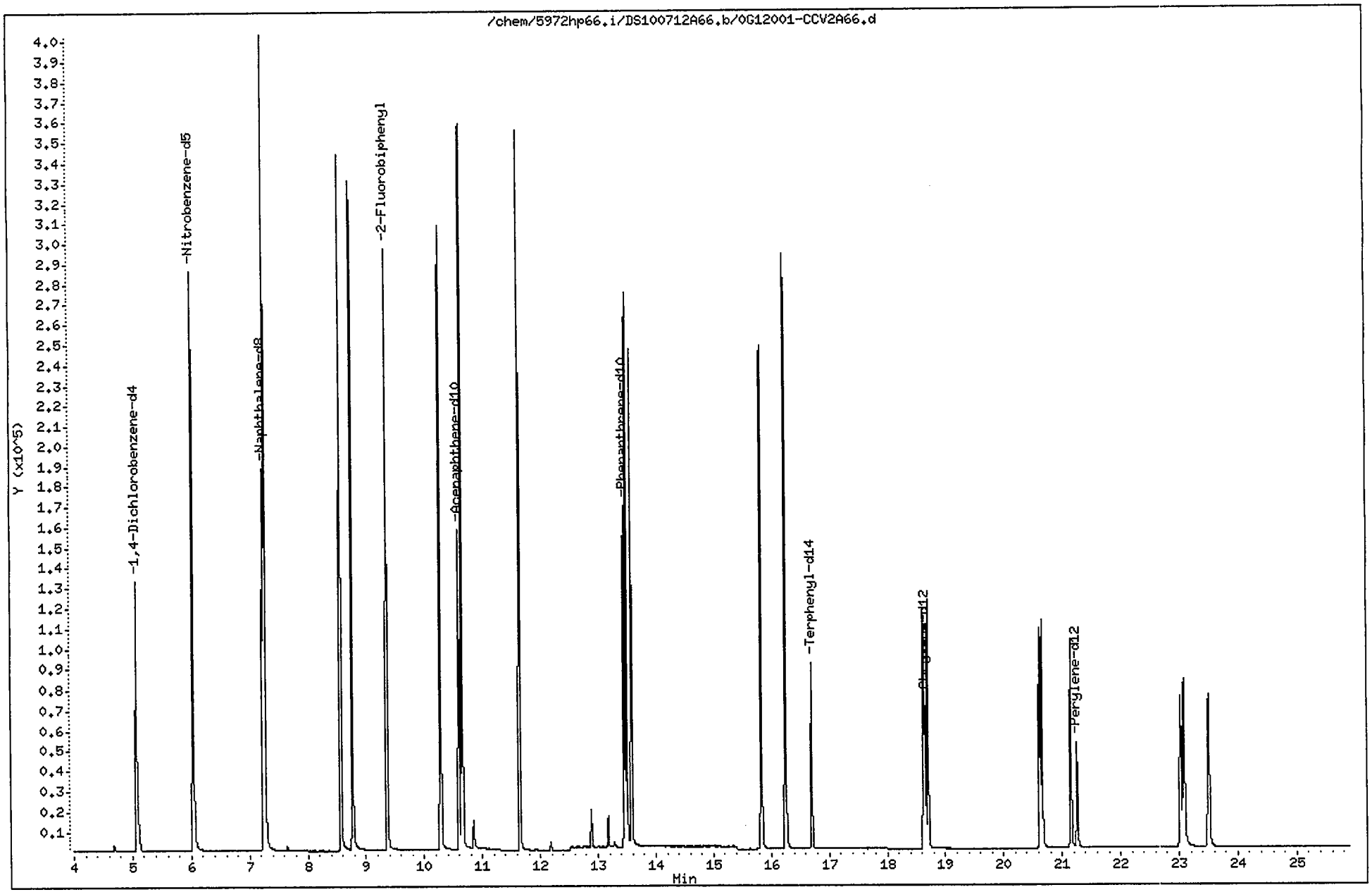
GC Column: RTX-5MS ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF3.0000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Naphthalene	1.5500000	1.4887392	0.01	-3.95	50.00	AVRG
2-Methylnaphthalene	0.6460000	0.6251983	0.01	-3.22	50.00	AVRG
Acenaphthylene	2.2290000	2.1317081	0.01	-4.36	50.00	AVRG
Acenaphthene	1.3870000	1.3198659	0.01	-4.84	20.00	AVRG
Fluorene	1.4910000	1.4437463	0.01	-3.17	50.00	AVRG
Phenanthrene	1.2560000	1.2776158	0.01	1.72	50.00	AVRG
Anthracene	1.1390000	1.1896023	0.01	4.44	50.00	AVRG
Fluoranthene	0.9730000	0.9385792	0.01	-3.54	20.00	AVRG
Pyrene	2.0100000	2.1758361	0.01	8.25	50.00	AVRG
Benzo(a)anthracene	1.0740000	1.1546600	0.01	7.51	50.00	AVRG
Chrysene	1.1140000	1.2350392	0.01	10.86	50.00	AVRG
Benzo(b)fluoranthene	1.3110000	1.3321660	0.01	1.61	50.00	AVRG
Benzo(k)fluoranthene	1.4080000	1.4759658	0.01	4.83	50.00	AVRG
Benzo(a)pyrene	1.2040000	1.2821883	0.01	6.49	20.00	AVRG
Indeno(1,2,3-cd)pyrene	1.0620000	1.1170104	0.01	5.18	50.00	AVRG
Dibenzo(a,h)anthracene	0.9240000	1.0421428	0.01	12.79	50.00	AVRG
Benzo(g,h,i)perylene	1.2100000	1.2576643	0.01	3.94	50.00	AVRG
Nitrobenzene-d5	1.0410000	1.0023447	0.01	-3.71	50.00	AVRG
2-Fluorobiphenyl	1.7620000	1.7517887	0.01	-0.58	50.00	AVRG
Terphenyl-d14	0.7360000	0.7974516	0.01	8.35	50.00	AVRG

Data File: /chem/5972hp66.i/DS100712A66.b/0G12001-CCV2A66.d
Date : 12-JUL-2010 12:04
Client ID: SSTD003GL
Sample Info: SSTD003GL:RKM
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i

Operator: RKM
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100712A66.b/0G12001-CCV2A66.d
Report Date: 13-Jul-2010 15:34

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100712A66.b/0G12001-CCV2A66.d
Lab Smp Id: 0G12001-CCV2 Client Smp ID: SSTD003GL
Inj Date : 12-JUL-2010 12:04
Operator : RKM Inst ID: 5972hp66.i
Smp Info : SSTD003GL:RKM
Misc Info : SSTD003GL
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100712A66.b/SIM_8270Cv3DOD.m
Meth Date : 13-Jul-2010 15:34 byrd Quant Type: ISTD
Cal Date : 09-JUL-2010 16:49 Cal File: 0G09004-CAL5A66.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALPAH+1.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)	
* 1 1,4-Dichlorobenzene-d4	152	5.070	5.070	(1.000)	87628	2.00000		
* 2 Naphthalene-d8	136	7.234	7.234	(1.000)	233865	2.00000		
* 3 Acenaphthene-d10	164	10.605	10.605	(1.000)	113954	2.00000		
* 4 Phenanthrene-d10	188	13.460	13.460	(1.000)	164293	2.00000		
* 5 Chrysene-d12	240	18.658	18.658	(1.000)	77068	2.00000		
* 6 Perylene-d12	264	21.258	21.258	(1.000)	67390	2.00000		
$ 9 Nitrobenzene-d5	82	6.032	6.032	(0.834)	351620	3.00000	2.9	
$ 10 2-Fluorobiphenyl	172	9.362	9.362	(0.883)	299435	3.00000	3.0	
$ 12 Terphenyl-d14	244	16.699	16.699	(0.895)	92187	3.00000	3.2	
13 Naphthalene	128	7.269	7.269	(1.005)	522246	3.00000	2.9	
15 2-Methylnaphthalene	141	8.569	8.569	(1.185)	219318	3.00000	2.9	
16 1-Methylnaphthalene	142	8.767	8.767	(1.212)	240996	3.00000	2.9	(M)
17 Acenaphthylene	152	10.293	10.293	(0.971)	364375	3.00000	2.9	
18 Acenaphthene	154	10.663	10.663	(1.005)	225606	3.00000	2.9	
21 Fluorene	166	11.650	11.650	(1.098)	246781	3.00000	2.9	

1 of 1 7/13/10

RM 7/13/10

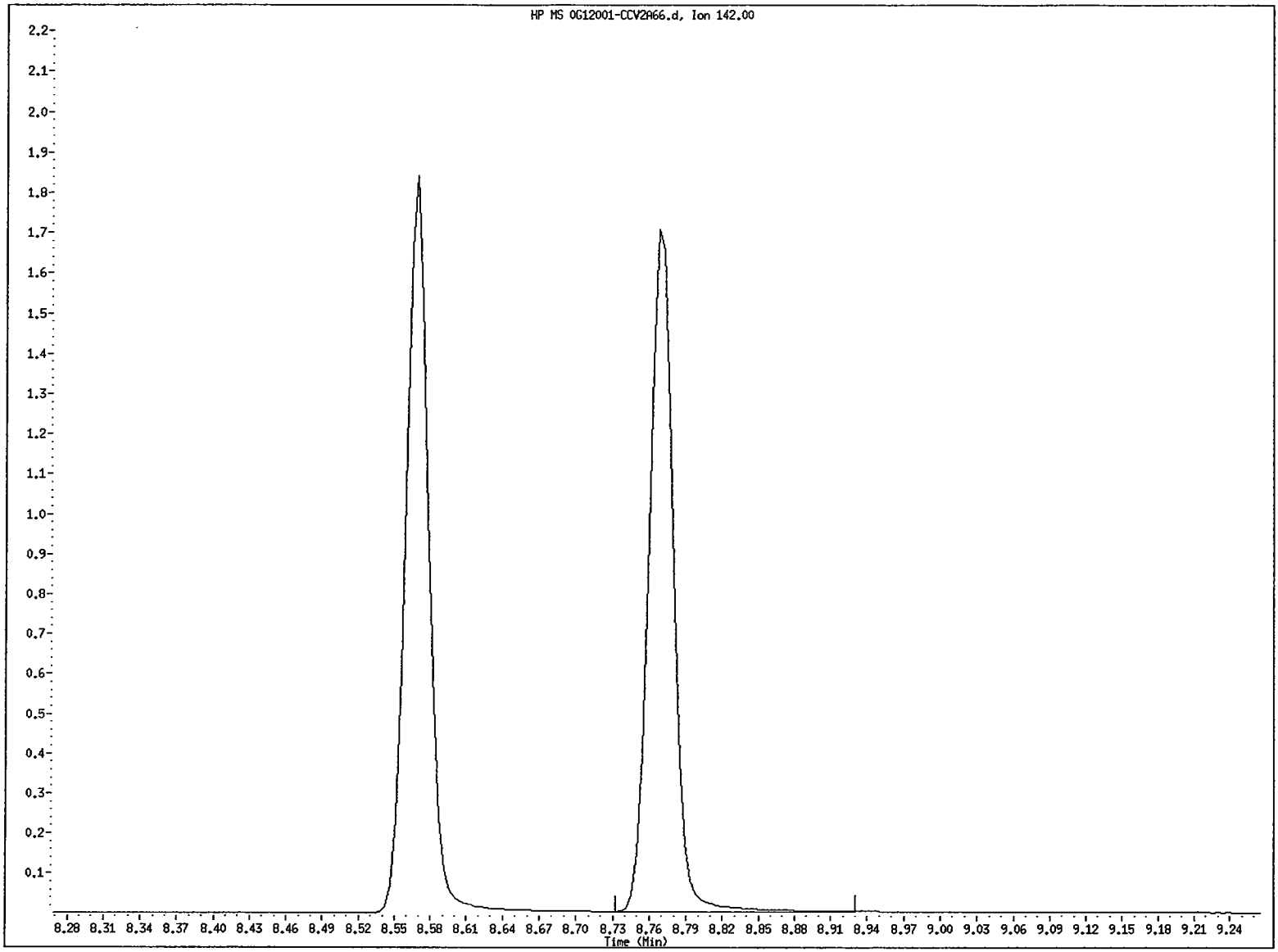
Data File: /chem/5972hp66.i/DS100712A66.b/0G12001-CCV2A66.d
Report Date: 13-Jul-2010 15:34

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
25 Phenanthrene	178	13.500	13.500	(1.003)	314855	3.00000	3.1
26 Anthracene	178	13.584	13.584	(1.009)	293165	3.00000	3.1
27 Fluoranthene	202	15.834	15.834	(1.176)	231303	3.00000	2.9
28 Pyrene	202	16.249	16.249	(0.871)	251531	3.00000	3.2
29 Benzo(a)anthracene	228	18.627	18.627	(0.998)	133481	3.00000	3.2
30 Chrysene	228	18.702	18.702	(1.002)	142773	3.00000	3.3
31 Benzo(b)fluoranthene	252	20.618	20.618	(0.970)	134662	3.00000	3.0
32 Benzo(k)fluoranthene	252	20.658	20.658	(0.972)	149198	3.00000	3.1
33 Benzo(a)pyrene	252	21.152	21.152	(0.995)	129610	3.00000	3.2
34 Indeno(1,2,3-cd)pyrene	276	23.026	23.026	(1.083)	112913	3.00000	3.2
35 Dibenzo(a,h)anthracene	278	23.084	23.084	(1.086)	105345	3.00000	3.4
36 Benzo(g,h,i)perylene	276	23.503	23.503	(1.106)	127131	3.00000	3.1

QC Flag Legend

M - Compound response manually integrated.

1-Methylnaphthalene CAS Number 90-12-0 Area = 240996 Manually integrated



File name: /chem/5972hp66.i/DS100712A66.b/0G12001-CCV2A66.d
Client ID: SSTD003GL
Instrument ID: 5972hp66.i
Injection Date and Time: 12-JUL-2010 12:04
Retention Time: 8.77
Operator ID: RKM

COMPUCHEM a Division of Liberty Analytical Corp
GC/MS SEMIVOLATILE RUN LOG
LOGBOOK 4X(4) 21 (5972hp66)

DATE 7/12/10 INITIAL TIME OF TUNE 1158 SHIFT/S (A) ✓ (B)____ (C)____
TIME TUNE EXPIRES 2358
METHOD: 625 (8270C) 8270D OLC03.2 OLM04.3 SOM01.2 (Circle One) or Other: PAH SIM(Y)N)
PREVENTIVE MAINTENANCE none

250

	SEQUENCE#	INJECTED	FILENAME	REJECTED	DATE	TIME	CLIENT ID	SDG#	AMOUNT INJECTED	CHEMIST	COMMENTS
1	0G12001	/	0G12001-CCV1AL06	US	7/12/10	0836	SSTD003GL	—	2µL	RKM	SCD=LCD
2	S100712A		N/A	/	/ /	1158	FC43	—	N/A	↓	
3			0G12001-CCV2AL06	/	/ /	1204	SSTD003GL	—	2µL	MEW	
4			0052035-BSD1AL06	/	/ /	1302	SCYLCSD	1005187			
5			1005186-13DAL06	/	/ /	1336	1995MW07-10A	1005186			10x (50µL:500µL)
6		/	0052428-BSD2AL06	OT	/ /	1410	SCHLCSD	1005175			used wrong samp
7			1005175-01JAL06	/	/ /	1445	59FB02				
8			-02JAL06	/	/ /	1519	59ER05				
9			-03AL06	/	/ /	1553	59ER06				
10			-04AL06	/	/ /	1627	59SW02				
11			-05AL06	/	/ /	1701	59SW03				
12			-07AL06	/	/ /	1735	59GW07				
13			-08AL06	/	/ /	1809	59ER07				
14			-09AL06	/	/ /	1844	59ER08				
15			0052702-BLK1JAL06	/	/ /	1918	SBLKDA				
16			-BS2JAL06	/	/ /	1952	SDBLCS				
17			1005175-16JAL06	/	/ /	2026	59GW04				
18			-17JAL06	/	/ /	2100	59GW02D				
19		/	-18JAL06	IL	/ /	2134	59GW06				
20			-19JAL06	/	/ /	2208	59GW01				
21			-20AL06	/	/ /	2242	59GW05				
22			-21AL06	/	/ /	2316	59ER09				
23			-22AL06	/	/ /	2350	59ER10				
24		/	0052804-BLK1AL06	OT	7/13/10	0024	SBLKDO	VARIOUS			out of tune time
		/	-BS1AL06	OT	↓	0058	SDOLCS	↓	↓	↓	↓

DFTPP Lot #/Exp. Date: N/A
Calibration STD Lot#/Exp. Date: OF18002 8/18/10
Internal STD Lot#/Exp. Date: OG08003 1/8/11
Methylene Chloride Lot#/Exp. Date: J18S03 8/31/11
Column Type: RTX-5MS 0.32mm

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

REVIEWED BY: CMS DATE 7-13-10

6/01/09:jr

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Instrument ID: 5973HP68 Calibration Date: 07/13/10 Time: 1115

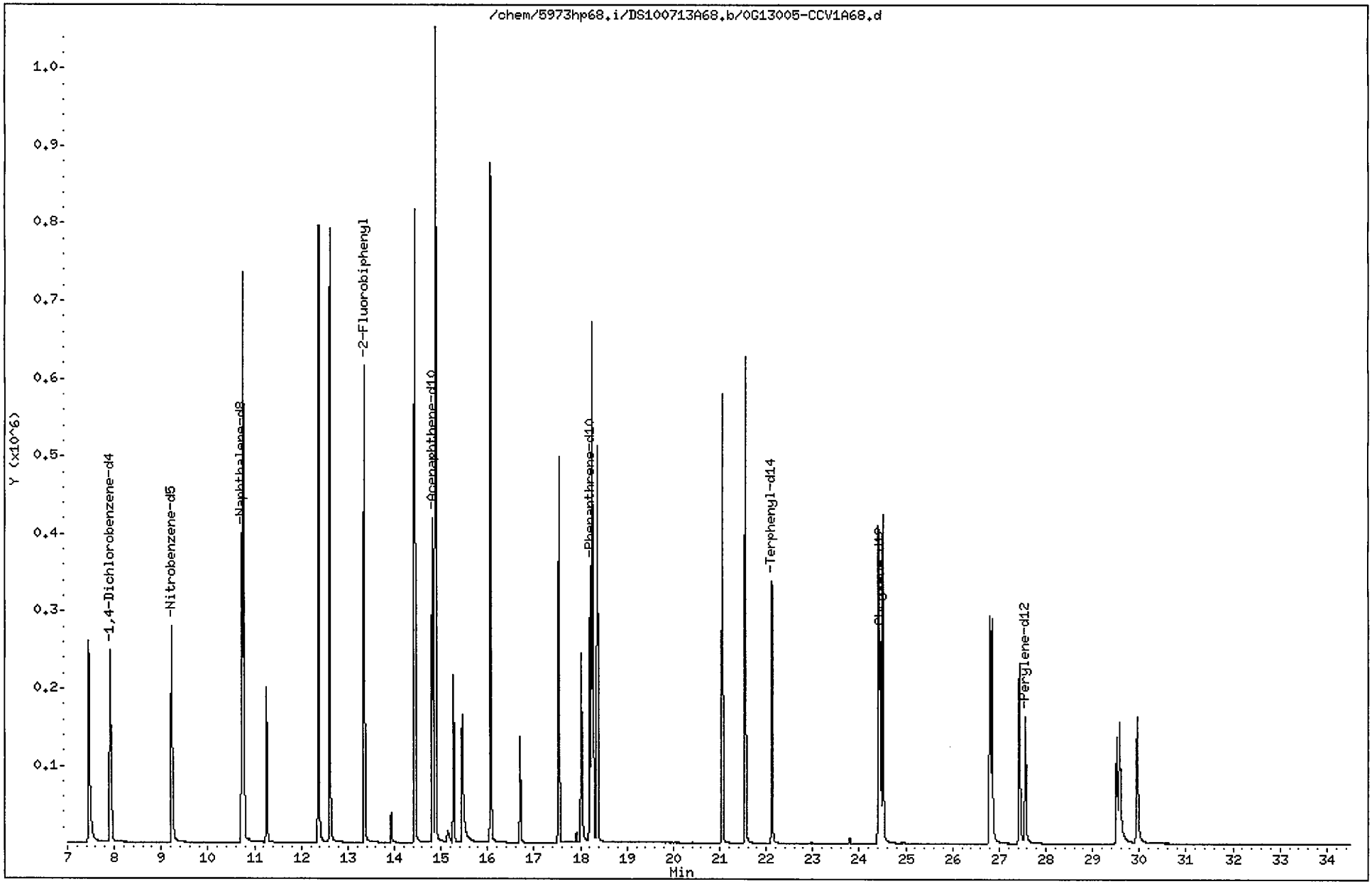
Lab File ID: 0G13005-CCV1A6 Init. Calib. Date(s): 07/12/10 07/12/10

Init. Calib. Times: 1735 2033

GC Column: RTX-5MS ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF3.0000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Naphthalene	1.0630000	1.0563500	0.01	-0.62	50.00	AVRG
2-Methylnaphthalene	0.5550000	0.5463762	0.01	-1.55	50.00	AVRG
Acenaphthylene	1.9280000	1.8995290	0.01	-1.48	50.00	AVRG
Acenaphthene	1.1690000	1.1640419	0.01	-0.42	20.00	AVRG
Fluorene	1.3220000	1.3257306	0.01	0.28	50.00	AVRG
Phenanthrene	1.1100000	1.1055567	0.01	-0.40	50.00	AVRG
Anthracene	1.0320000	1.0224192	0.01	-0.93	50.00	AVRG
Fluoranthene	1.0050000	1.0266812	0.01	2.16	20.00	AVRG
Pyrene	1.7160000	1.5861635	0.01	-7.57	50.00	AVRG
Benzo(a)anthracene	1.0540000	1.0144791	0.01	-3.75	50.00	AVRG
Chrysene	1.0550000	1.0511536	0.01	-0.36	50.00	AVRG
Benzo(b)fluoranthene	1.1650000	1.1780599	0.01	1.12	50.00	AVRG
Benzo(k)fluoranthene	1.2680000	1.3757187	0.01	8.50	50.00	AVRG
Benzo(a)pyrene	1.0030000	1.0084917	0.01	0.55	20.00	AVRG
Indeno(1,2,3-cd)pyrene	0.6590000	0.5765114	0.01	-12.52	50.00	AVRG
Dibenzo(a,h)anthracene	0.6460000	0.6026993	0.01	-6.70	50.00	AVRG
Benzo(g,h,i)perylene	0.7850000	0.7497342	0.01	-4.49	50.00	AVRG
Nitrobenzene-d5	0.3670000	0.3755092	0.01	2.32	50.00	AVRG
2-Fluorobiphenyl	1.4050000	1.3859898	0.01	-1.35	50.00	AVRG
Terphenyl-d14	0.9210000	0.8163204	0.01	-11.36	50.00	AVRG

Data File: /chem/5973hp68.i/DS100713A68.b/0G13005-CCV1A68.d
Date : 13-JUL-2010 11:15
Client ID: SSTD003DC
Instrument: 5973hp68.i
Sample Info: SSTD003DC:OWS
Volume Injected (uL): 2.0
Operator: OWS
Column phase: Rtx-5MS
Column diameter: 0.32



Data File: /chem/5973hp68.i/DS100713A68.b/0G13005-CCV1A68.d
Report Date: 14-Jul-2010 15:15

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5973hp68.i/DS100713A68.b/0G13005-CCV1A68.d
Lab Smp Id: 0G13005-CCV1 Client Smp ID: SSTD003DC
Inj Date : 13-JUL-2010 11:15
Operator : OWS Inst ID: 5973hp68.i
Smp Info : SSTD003DC:OWS
Misc Info : SSTD003DC
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5973hp68.i/DS100713A68.b/SIM_8270Cv3DOD.m
Meth Date : 14-Jul-2010 15:14 byrd Quant Type: ISTD
Cal Date : 12-JUL-2010 20:33 Cal File: 0G12007-CAL5A68.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH+1.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	7.910	7.910	(1.000)	214449	2.00000	
*	2 Naphthalene-d8	136	10.729	10.729	(1.000)	726253	2.00000	
*	3 Acenaphthene-d10	164	14.813	14.813	(1.000)	353296	2.00000	
*	4 Phenanthrene-d10	188	18.214	18.214	(1.000)	552474	2.00000	
*	5 Chrysene-d12	240	24.448	24.448	(1.000)	384991	2.00000	
*	6 Perylene-d12	264	27.563	27.563	(1.000)	273994	2.00000	
$	9 Nitrobenzene-d5	82	9.221	9.221	(0.859)	409072	3.00000	3.1
$	10 2-Fluorobiphenyl	172	13.354	13.354	(0.901)	734497	3.00000	3.0
$	12 Terphenyl-d14	244	22.125	22.125	(0.905)	471414	3.00000	2.7
	13 Naphthalene	128	10.763	10.763	(1.003)	1150766	3.00000	3.0
	15 2-Methylnaphthalene	141	12.370	12.370	(1.153)	595211	3.00000	3.0
	16 1-Methylnaphthalene	142	12.615	12.615	(1.176)	698221	3.00000	3.0
	17 Acenaphthylene	152	14.434	14.434	(0.974)	1006644	3.00000	3.0
	18 Acenaphthene	154	14.882	14.882	(1.005)	616877	3.00000	3.0
	21 Fluorene	166	16.064	16.064	(1.084)	702563	3.00000	3.0

Data File: /chem/5973hp68.i/DS100713A68.b/0G13005-CCV1A68.d
Report Date: 14-Jul-2010 15:15

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
25 Phenanthrene	178	18.260	18.260	(1.003)	916187	3.00000	3.0
26 Anthracene	178	18.367	18.367	(1.008)	847290	3.00000	3.0
27 Fluoranthene	202	21.058	21.058	(1.156)	850822	3.00000	3.1
28 Pyrene	202	21.552	21.552	(0.882)	915988	3.00000	2.8
29 Benzo(a)anthracene	228	24.409	24.409	(0.998)	585848	3.00000	2.9
30 Chrysene	228	24.505	24.505	(1.002)	607027	3.00000	3.0
31 Benzo(b)fluoranthene	252	26.797	26.797	(0.972)	484172	3.00000	3.0
32 Benzo(k)fluoranthene	252	26.845	26.845	(0.974)	565408	3.00000	3.3
33 Benzo(a)pyrene	252	27.436	27.436	(0.995)	414481	3.00000	3.0
34 Indeno(1,2,3-cd)pyrene	276	29.518	29.518	(1.071)	236941	3.00000	2.6
35 Dibenzo(a,h)anthracene	278	29.579	29.579	(1.073)	247704	3.00000	2.8
36 Benzo(g,h,i)perylene	276	29.956	29.956	(1.087)	308134	3.00000	2.9

COMPUCHEM a Division of Liberty Analytical Corp
GC/MS SEMIVOLATILE RUN LOG
LOGBOOK 4Z(4) 1 (5973hp68)

DATE 7/13/10 INITIAL TIME OF TUNE 1108 SHIFT/S (A) X (B)____(C)____
TIME TUNE EXPIRES 2308 METHOD FAASim

PREVENTIVE MAINTENANCE Septa

	SEQUENCE#	REJECTED	FILENAME	REPORTED	DATE	TIME	CLIENT ID	SDG#	AMOUNT INJECTED	CHEMIST	COMMENTS
									2uL	ans	SCD=CCD
1	0613005		NA	✓	7/13/10	1108 ✓	FC43	—			
2	S100713A		0613005-CCV1AG8	✓	/ /	1115 ✓	SSTD 003 DC	←			
3			1006025-08	✓	/ /	1159	BBG-GW04UCH	1006025			
4			09	✓	/ /	1243	BBG-FB060210	↓			
5			10	✓	/ /	1329	EB060210-2	↓			
6			0052804-BLK1	✓	/ /	1413 ✓	SBLKDO	1005187			
7			BS1	✓	/ /	1457 ✓	SDOLCS	↓			
8			1005187-14	✓	/ /	1541 ✓	BBG-GW02	↓			
9			0052804-MS1	✓	/ /	1626 ✓	BBG-GW02MS	↓			
10			MSD1	✓	/ /	1710 ✓	BBG-GW02MSD	↓			
11			1005187-07	✓	/ /	1754 ✓	BBG-GW09	↓			
12			08	✓	/ /	1839 ✓	-GW09D	↓			
13			09	✓	/ /	1923 ✓	-GW-08	↓			
14			10	✓	/ /	2007 ✓	-GW07	↓			
15			11	✓	/ /	2051 ✓	EB1-052710	↓			
16			12	✓	/ /	2135 ✓	BBG-GW04	↓			
17			13	✓	/ /	2219 ✓	BBG-GW01UCH	↓			
18					/ /						
19					/ /						
20					/ /						
21					/ /						
22					/ /						
23					/ /						
24					/ /						

RM 7-14-10

DFTPP Lot #/Exp. Date: NA
Calibration STD Lot#/Exp. Date: 0612006 10-12-10
Internal STD Lot#/Exp. Date: 060803 1-8-10
Methylene Chloride Lot#/Exp. Date: J18503 8-31-11
Column Type: RTX-5MS 0.32mm

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

REVIEWED BY: RM DATE 7/14/10

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: COMPUCHEM Contract: 8270C-SIM

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Instrument ID: 5973HP68 Calibration Date: 07/14/10 Time: 1103

Lab File ID: 0G14007-CCV1A6 Init. Calib. Date(s): 07/12/10 07/12/10

Init. Calib. Times: 1735 2033

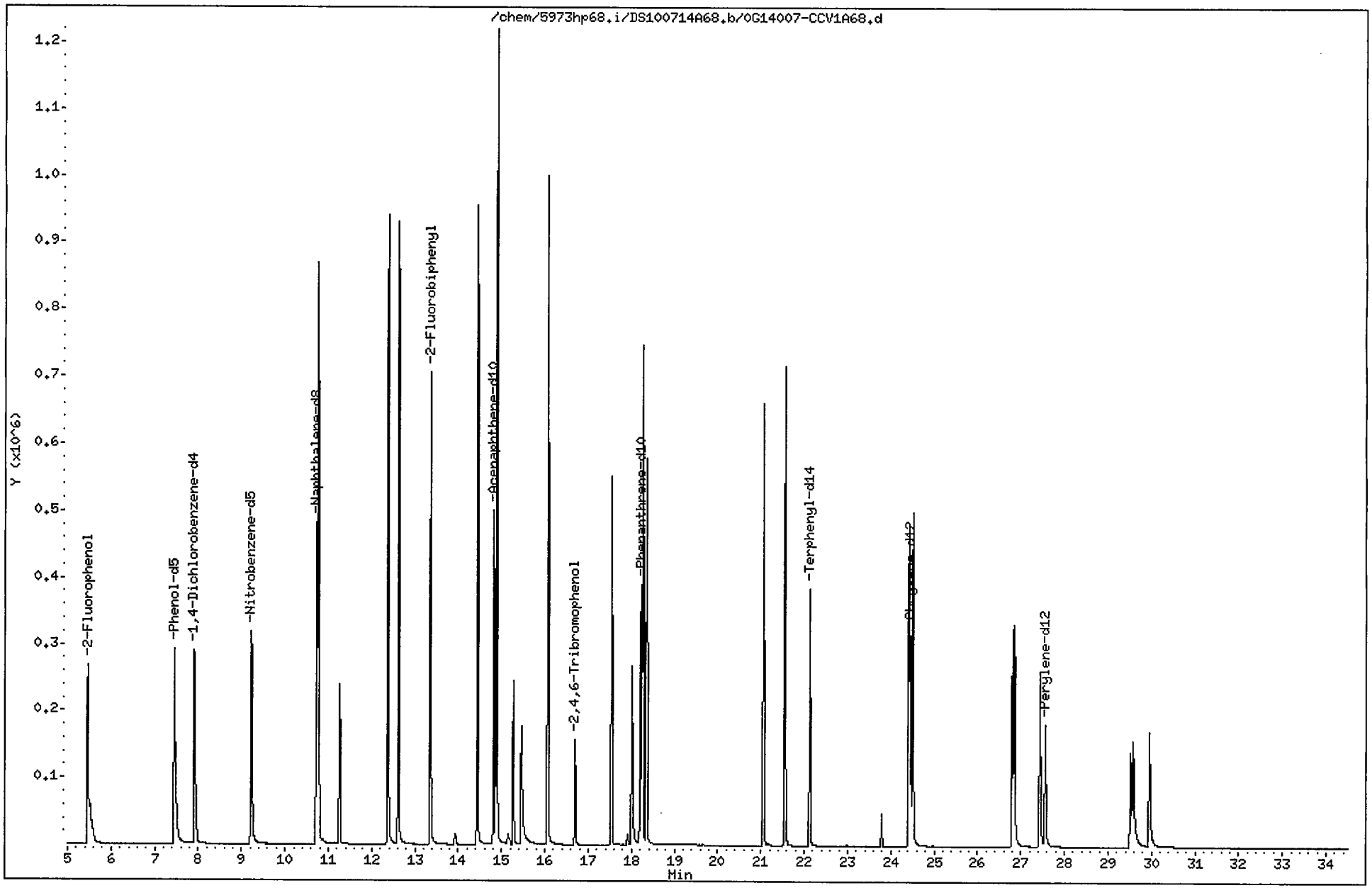
GC Column: RTX-5MS ID: 0.32 (mm)

COMPOUND	RRF OR AMOUNT	RRF3.0000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Naphthalene	1.0630000	1.0519563	0.01	-1.04	50.00	AVRG
2-Methylnaphthalene	0.5550000	0.5372372	0.01	-3.20	50.00	AVRG
Acenaphthylene	1.9280000	1.8805127	0.01	-2.46	50.00	AVRG
Acenaphthene	1.1690000	1.1601493	0.01	-0.76	20.00	AVRG
Fluorene	1.3220000	1.3017709	0.01	-1.53	50.00	AVRG
Phenanthrene	1.1100000	1.0992996	0.01	-0.96	50.00	AVRG
Anthracene	1.0320000	1.0180037	0.01	-1.36	50.00	AVRG
Fluoranthene	1.0050000	1.0001776	0.01	-0.48	20.00	AVRG
Pyrene	1.7160000	1.4974816	0.01	-12.73	50.00	AVRG
Benzo(a)anthracene	1.0540000	1.0010523	0.01	-5.02	50.00	AVRG
Chrysene	1.0550000	1.0512192	0.01	-0.36	50.00	AVRG
Benzo(b)fluoranthene	1.1650000	1.1741235	0.01	0.78	50.00	AVRG
Benzo(k)fluoranthene	1.2680000	1.4624108	0.01	15.33	50.00	AVRG
Benzo(a)pyrene	1.0030000	1.0248517	0.01	2.18	20.00	AVRG
Indeno(1,2,3-cd)pyrene	0.6590000	0.5359693	0.01	-18.67	50.00	AVRG
Dibenzo(a,h)anthracene	0.6460000	0.5805745	0.01	-10.13	50.00	AVRG
Benzo(g,h,i)perylene	0.7850000	0.7478948	0.01	-4.73	50.00	AVRG
Nitrobenzene-d5	0.3670000	0.3731925	0.01	1.69	50.00	AVRG
2-Fluorobiphenyl	1.4050000	1.3790108	0.01	-1.85	50.00	AVRG
Terphenyl-d14	0.9210000	0.7805871	0.01	-15.24	50.00	AVRG

FORM VII SV

Data File: /chem/5973hp68.i/DS100714A68.b/0G14007-CCV1A68.d
Date : 14-JUL-2010 11:03
Client ID: SSTD003DD
Sample Info: SSTD003DD:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5973hp68.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5973hp68.i/DS100714A68.b/0G14007-CCV1A68.d
Report Date: 16-Jul-2010 15:35

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5973hp68.i/DS100714A68.b/0G14007-CCV1A68.d
Lab Smp Id: 0G14007-CCV1 Client Smp ID: SSTD003DD
Inj Date : 14-JUL-2010 11:03
Operator : OWS Inst ID: 5973hp68.i
Smp Info : SSTD003DD:OWS
Misc Info : SSTD003DD
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5973hp68.i/DS100714A68.b/SIM_8270Cv3DOD.m
Meth Date : 16-Jul-2010 15:35 byrd Quant Type: ISTD
Cal Date : 12-JUL-2010 20:33 Cal File: 0G12007-CAL5A68.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH+EXTRAICAL.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	7.910	7.910	(1.000)	260490	2.00000	
* 2 Naphthalene-d8	136	10.729	10.729	(1.000)	875416	2.00000	
* 3 Acenaphthene-d10	164	14.813	14.813	(1.000)	416909	2.00000	
* 4 Phenanthrene-d10	188	18.214	18.214	(1.000)	639999	2.00000	
* 5 Chrysene-d12	240	24.444	24.444	(1.000)	459613	2.00000	
* 6 Perylene-d12	264	27.558	27.558	(1.000)	301669	2.00000	
$ 7 2-Fluorophenol	112	5.462	5.462	(0.690)	329074	3.00000	2.8
$ 8 Phenol-d5	99	7.451	7.451	(0.942)	578442	3.00000	2.9
$ 9 Nitrobenzene-d5	82	9.221	9.221	(0.859)	490048	3.00000	3.1
$ 10 2-Fluorobiphenyl	172	13.354	13.354	(0.901)	862383	3.00000	2.9
$ 11 2,4,6-Tribromophenol	330	16.696	16.696	(1.127)	129747	3.00000	2.9
$ 12 Terphenyl-d14	244	22.125	22.125	(0.905)	538152	3.00000	2.5
13 Naphthalene	128	10.763	10.763	(1.003)	1381349	3.00000	3.0
14 Hexachlorobutadiene	225	11.258	11.258	(1.049)	221911	3.00000	3.0
15 2-Methylnaphthalene	141	12.370	12.370	(1.153)	705459	3.00000	2.9

7/16/10

Data File: /chem/5973hp68.i/DS100714A68.b/0G14007-CCV1A68.d
Report Date: 16-Jul-2010 15:35

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
16 1-Methylnaphthalene	142	12.615	12.615	(1.176)	835673	3.00000	3.0
17 Acenaphthylene	152	14.434	14.434	(0.974)	1176004	3.00000	2.9
18 Acenaphthene	154	14.882	14.882	(1.005)	725515	3.00000	3.0
20 4-Nitrophenol	139	15.456	15.456	(1.043)	315194	8.00000	7.8
21 Fluorene	166	16.064	16.064	(1.084)	814080	3.00000	3.0
23 Hexachlorobenzene	284	17.540	17.540	(0.963)	730521	8.00000	8.2
24 Pentachlorophenol	266	18.015	18.015	(0.989)	344387	8.00000	8.4
25 Phenanthrene	178	18.260	18.260	(1.003)	1055326	3.00000	3.0
26 Anthracene	178	18.352	18.352	(1.008)	977282	3.00000	3.0
27 Fluoranthene	202	21.053	21.053	(1.156)	960169	3.00000	3.0
28 Pyrene	202	21.552	21.552	(0.882)	1032393	3.00000	2.6
29 Benzo(a)anthracene	228	24.409	24.409	(0.999)	690145	3.00000	2.8
30 Chrysene	228	24.501	24.501	(1.002)	724731	3.00000	3.0
31 Benzo(b)fluoranthene	252	26.793	26.793	(0.972)	531295	3.00000	3.0
32 Benzo(k)fluoranthene	252	26.845	26.845	(0.974)	661746	3.00000	3.5
33 Benzo(a)pyrene	252	27.431	27.431	(0.995)	463749	3.00000	3.1
34 Indeno(1,2,3-cd)pyrene	276	29.514	29.514	(1.071)	242528	3.00000	2.4
35 Dibenzo(a,h)anthracene	278	29.579	29.579	(1.073)	262712	3.00000	2.7
36 Benzo(g,h,i)perylene	276	29.951	29.951	(1.087)	338425	3.00000	2.9

COMPUCHEM a Division of Liberty Analytical Corp
GC/MS SEMIVOLATILE RUN LOG
LOGBOOK 4Z(4) 1 (5973hp68)

DATE 7/14/10 INITIAL TIME OF TUNE 1021
TIME TUNE EXPIRES 2221
SHIFT/S (A) X (B)____ (C)____
METHOD PAHSim

PREVENTIVE MAINTENANCE None

260

N	SEQUENCE#	REJECTED	FILENAME	REPORTED	DATE	TIME	CLIENT ID	SDG#	AMOUNT INJECTED	CHEMIST	COMMENTS
1	061407		NA	/	7/14/10	1021	FC43	—	2uL	ows	SCO=LCA
2	5/007142		0614007-CCV1A68	/	/ /	1103	55:0 003 DD	—			
3			1005187-15	/	/ /	1154	EB2-052710	1005187			
4			↓ 16	/	/ /	1240	EB3-052710	↓			
5		/	1005186-17	SL	/ /	1324	AOCF-FB01-10A	1005186			
6		/	1005196-01	DI	/ /	1408	MW-1	1005196			surr ok in-house limits
7		/	0052804-MS2	DI	/ /	1452	MW-1MS				11
8		/	↓ MSD2	DI	/ /	1537	MW-1MSD				11
9		/	1005196-02	DI	/ /	1621	MW-2				
10		/	03	DI	/ /	1705	MW-3				surr ok in-house limits
11		/	04	DI	/ /	1749	MW-2 DUP				
12		/	↓ 06	DI	/ /	1834	MW-4	↓			
13		/	0061624-BLK1	OT	/ /	—	SBLK CJ	1006121			data did not transfer
14		/	BS1	OT	/ /	—	SCJLCS				↓
15		/	↓ BSD1	OT	/ /	—	SCJLCSD				
16		/	1006121-01	SL	/ /	2130	GW-10-1216				
17		/	↓ -03	SL	↓ /	2214	GW-2-1216	↓	↓	↓	
18					/ /						
19					/ /						
20					/ /						
21					/ /						
22					/ /						
23					/ /						
24					/ /						

ows 7-15-10

DFTPP Lot #/Exp. Date: NA
Calibration STD Lot#/Exp. Date: 061206 10-12-10
Internal STD Lot#/Exp. Date: 060803 1-8-10
Methylene Chloride Lot#/Exp. Date: J18503 8-31-10
Column Type: RTK-5MS 0.32mm

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

REVIEWED BY: RM DATE 7/16/10

10/06/08: jr

4. Raw QC Data

   a. FC43 data

   b. Blank Data

   c. Laboratory Control Sample Data

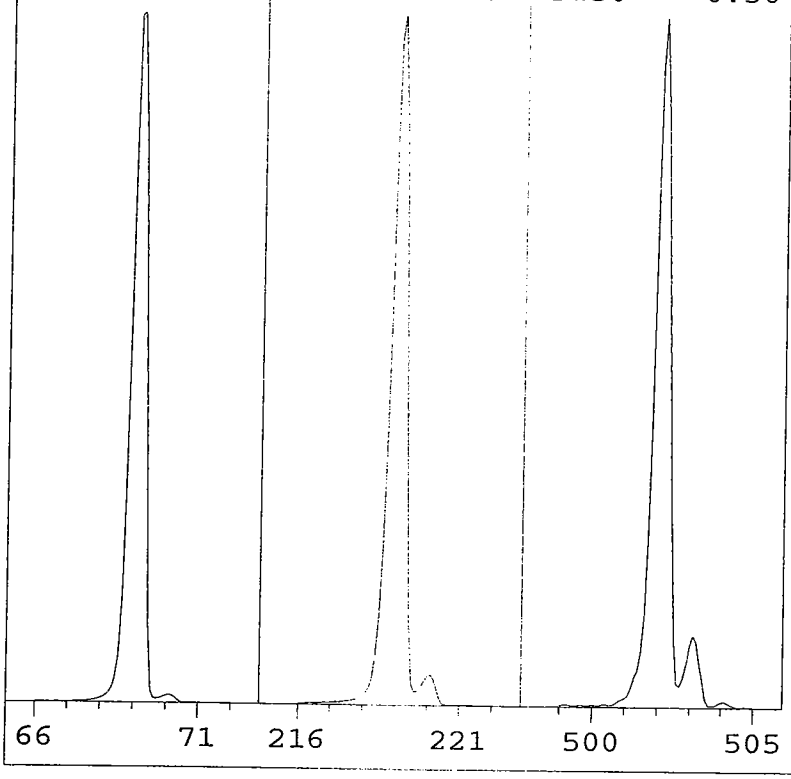
   d. Matrix Spike Data

   e. Matrix Spike Duplicate Data

a. FC43 (Calibration Gas)

PFTBA (Perfluoro-tri-n-butylamine) scan,
showing the relative abundance of the
key ions (69, 219, and 502)
and the Instrument Operating Conditions

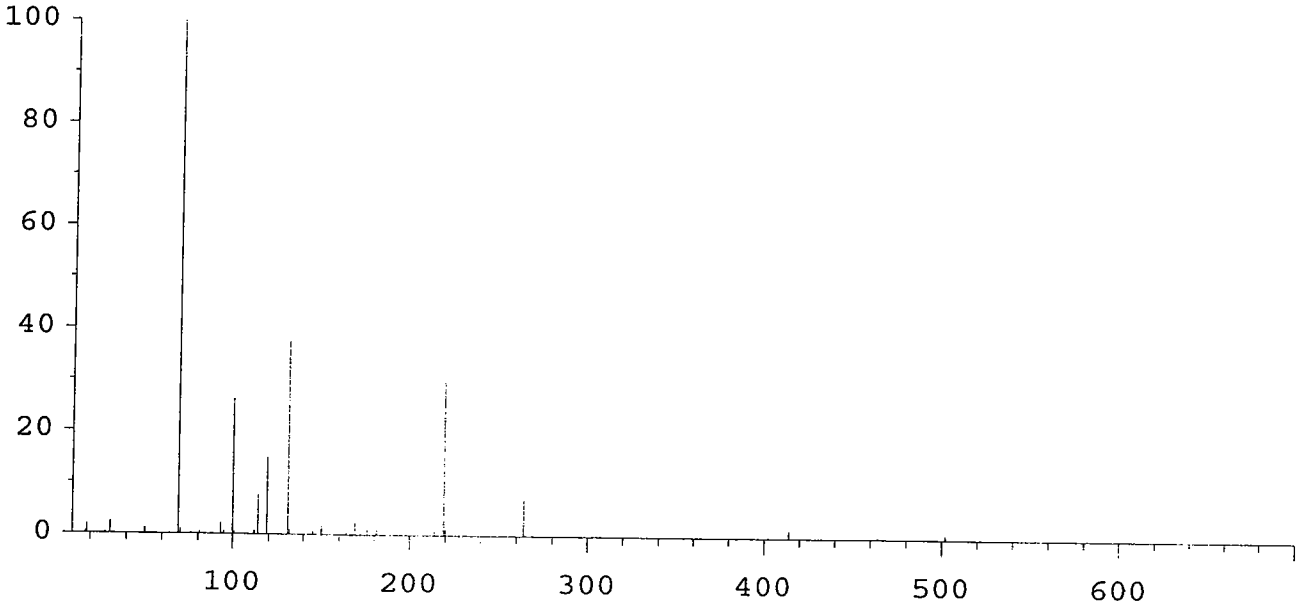
Mass	69.10	Mass	219.05	Mass	502.10
Ab	1461247	%	30.64	%	0.98
Pw50	0.52	Pw50	0.52	Pw50	0.50



EMVolts	2224	AmuGain	192
Xray	59.8	AmuOffs	62
Emission	35.0	Wid219	-0.075
MS Temp	170	TTI	OFF
Vacuum	71	DC Pol	POS
Samples	8	Repeller	29.23
Averages	3	IonFocus	90.0
StepSize	0.10	EntLens	2.51
MassGain	-957	EntOffs	VAR
MassOffs	7	Filament	1

PFTBA OPEN

Scan: 10.00 - 700.00 Samples: 8 Thresh: 100
222 peaks Base: 69.10 Abundance: 1187328



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.10	1187328	100.00	70.10	13647	1.15
219.05	355008	29.90	220.05	15592	4.39
502.10	11760	0.99	503.05	1208	10.27

Instrument: GC/MS Instrument #1
Sat Jul 10 08:28:56 2010

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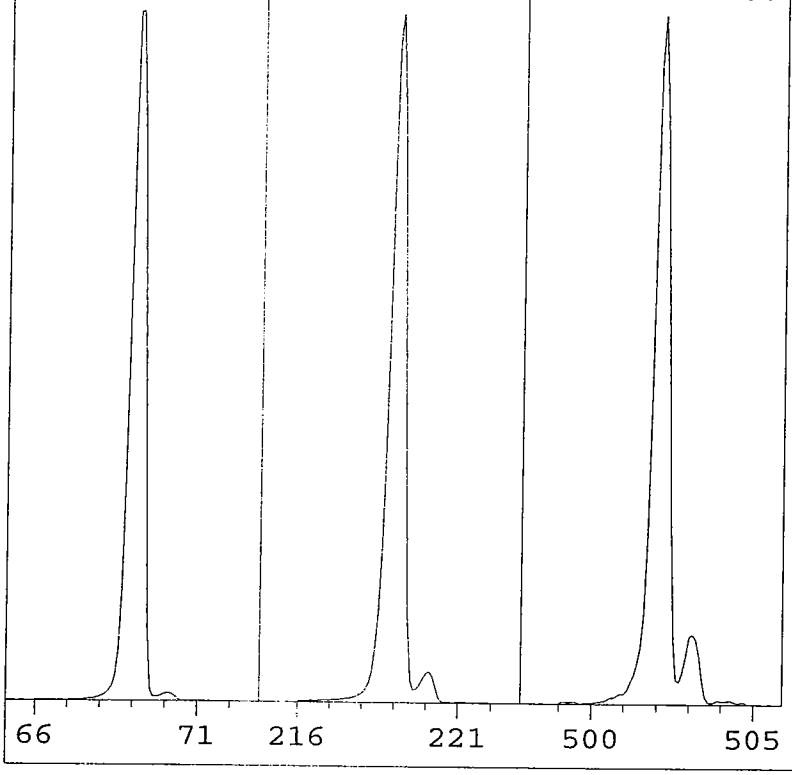
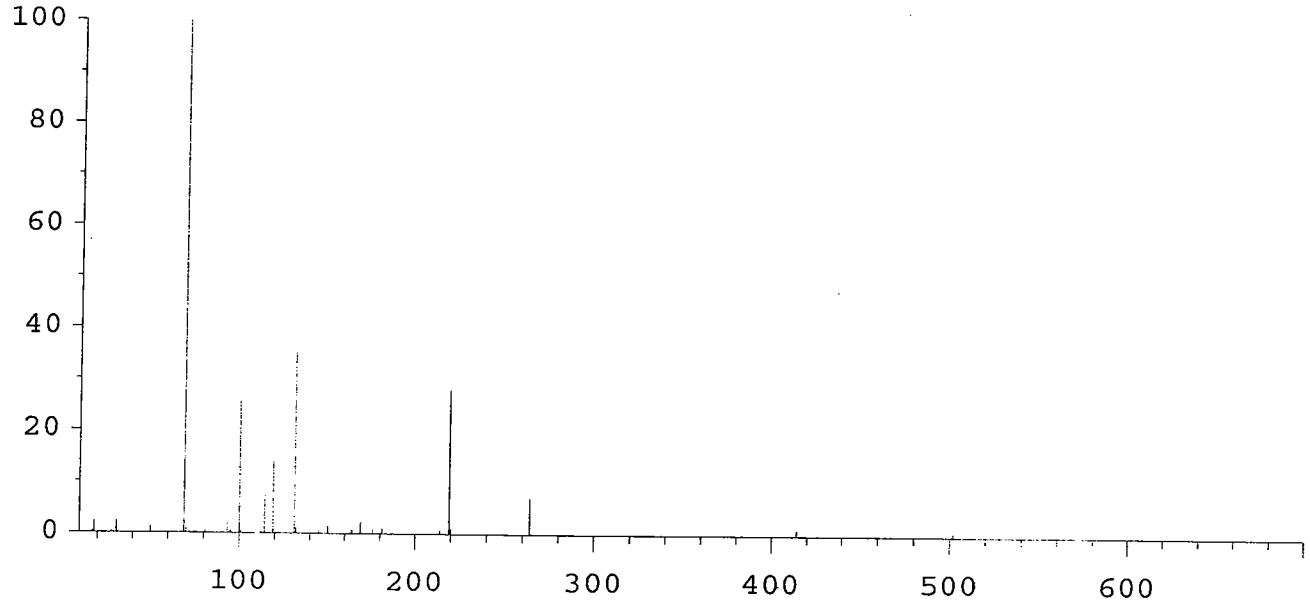
Mass	69.10	Mass	219.05	Mass	502.10
Ab	1571674	%	28.65	%	0.89
Pw50	0.52	Pw50	0.51	Pw50	0.50



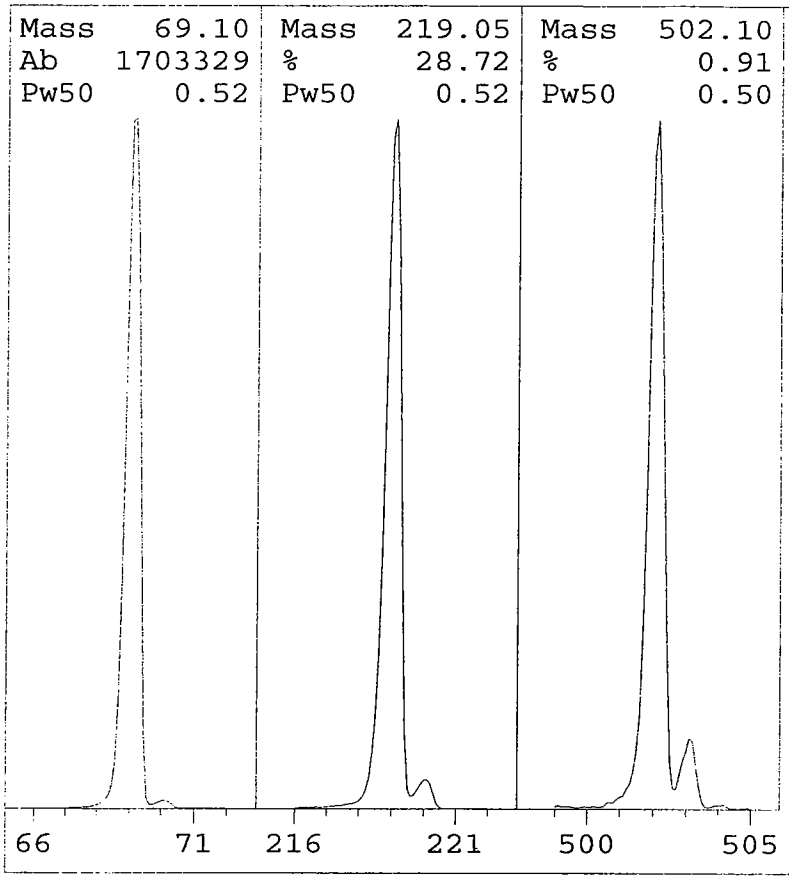
EMVolts	2224	AmuGain	192
Xray	59.8	AmuOffs	62
Emission	35.0	Wid219	-0.075
MS Temp	172	TTI	OFF
Vacuum	67	DC Pol	POS
Samples	8	Repeller	29.23
Averages	3	IonFocus	90.0
StepSize	0.10	EntLens	2.51
MassGain	-957	EntOffs	VAR
MassOffs	7	Filament	1

PFTBA OPEN

Scan: 10.00 - 700.00 Samples: 8 Thresh: 100
210 peaks Base: 69.10 Abundance: 1270272



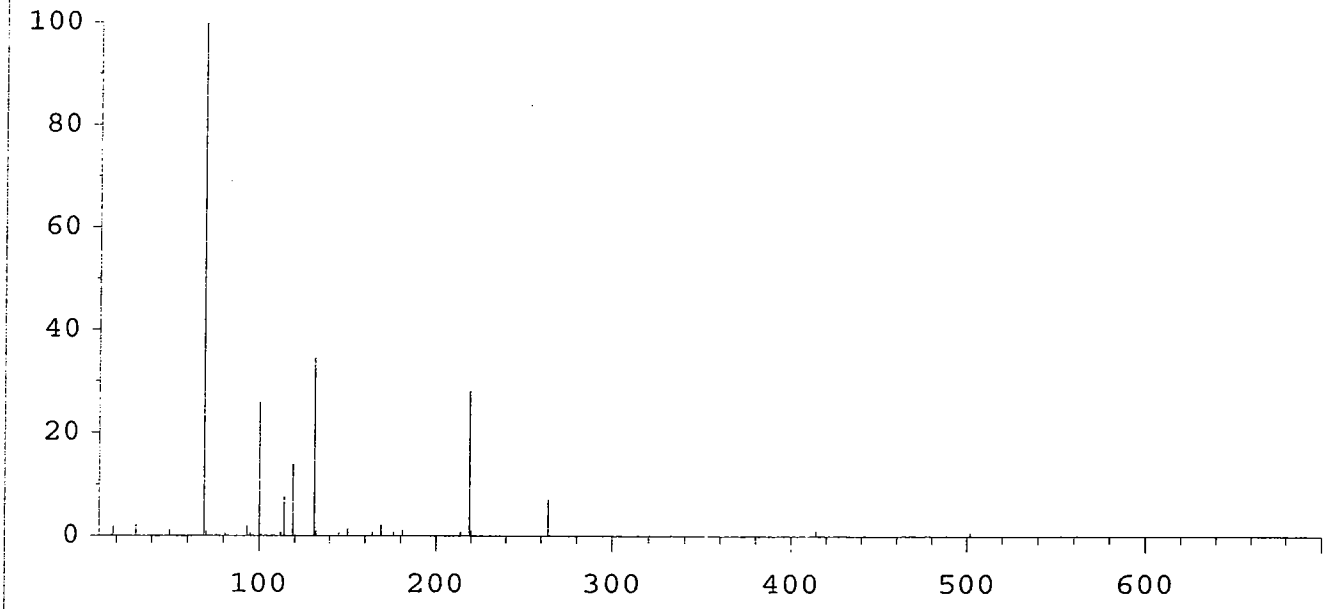
Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.10	1270272	100.00	70.10	13741	1.08
219.05	356608	28.07	220.05	16185	4.54
502.10	10974	0.86	503.05	1046	9.53



EMVolts	2224	AmuGain	192
Xray	59.8	AmuOffs	62
Emission	35.0	Wid219	-0.075
MS Temp	170	TTI	OFF
Vacuum	67	DC Pol	POS
Samples	8	Repeller	29.23
Averages	3	IonFocus	90.0
StepSize	0.10	EntLens	3.01
MassGain	-957	EntOffs	VAR
MassOffs	7	Filament	1

PFTBA OPEN

Scan: 10.00 - 700.00 Samples: 8 Thresh: 100
219 peaks Base: 69.10 Abundance: 1411584



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.10	1411584	100.00	70.10	15985	1.13
219.05	396864	28.11	220.05	17064	4.30
502.10	12365	0.88	503.05	1215	9.83

Mon Jul 12 17:30:15 2010
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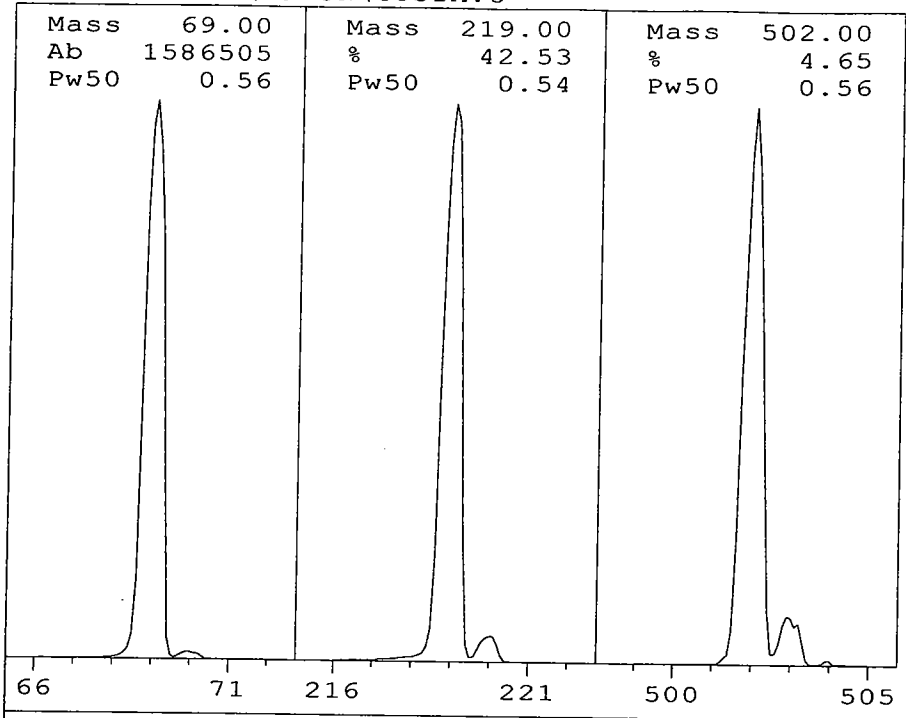
Instrument: Instrument 68

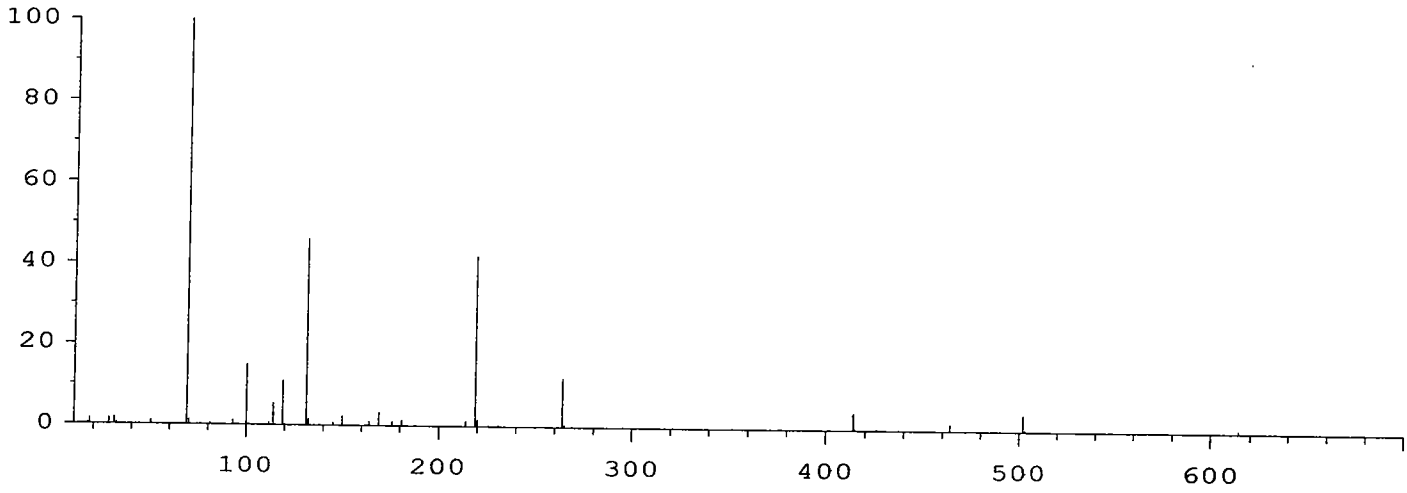


Ion Pol	POS	MassGain	366
		MassOffs	-11
Emission	34.6	AmuGain	2652
EIEnrgy	69.9	AmuOffs	133
Filament	1	Wid219	-0.043
		DC Pol	POS
Repeller	24.93		
IonFcus	83.5	HEDEnab	ON
EntLens	6.0	EMVolts	2306
EntOffs	8.28		
		Samples	8
PFTBA	OPEN	Averages	3
		Stepsize	0.10

Zones:

MS Source	197	Foreline	52
MS Quad	150		

Scan: 10.00 - 700.00 Samples: 8 Thresh: 100 Step: 0.10
320 peaks Base: 69.00 Abundance: 1454080



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	1454080	100.00	70.00	18264	1.26
219.00	611328	42.04	220.00	25240	4.13
502.00	61464	4.23	503.00	6857	11.16

Air/Water Check: H2O~1.46% N2~1.61% O2~0.55% CO2~0.22% N2/H2O~110.46%

Column Flow: Front: 1.791 Back: 0 ml/min. Interface Temp: 305

Ramp Criteria:
Ion Focus Maximum 90 volts using ion 502; EM Gain 751671
Repeller Maximum 30 volts using ion 219;

MassGain Values @Samples: 364@3 370@2 367@1 366@0 366@FS

TARGET MASS:	50	69	131	219	414	502	800
Amu Offset:	133.0	133.0	133.0	133.0	133.0	133.0	133.0
Entrance Lens Offset:	8.3	8.3	8.3	8.3	8.3	8.3	8.3
Target Abund(%):	1.0	100.0	45.0	45.0	3.5	2.0	
Actual Tune Abund(%):	1.0	100.0	46.1	42.0	4.3	4.2	

Tue Jul 13 11:08:09 2010 Instrument: Instrument 68
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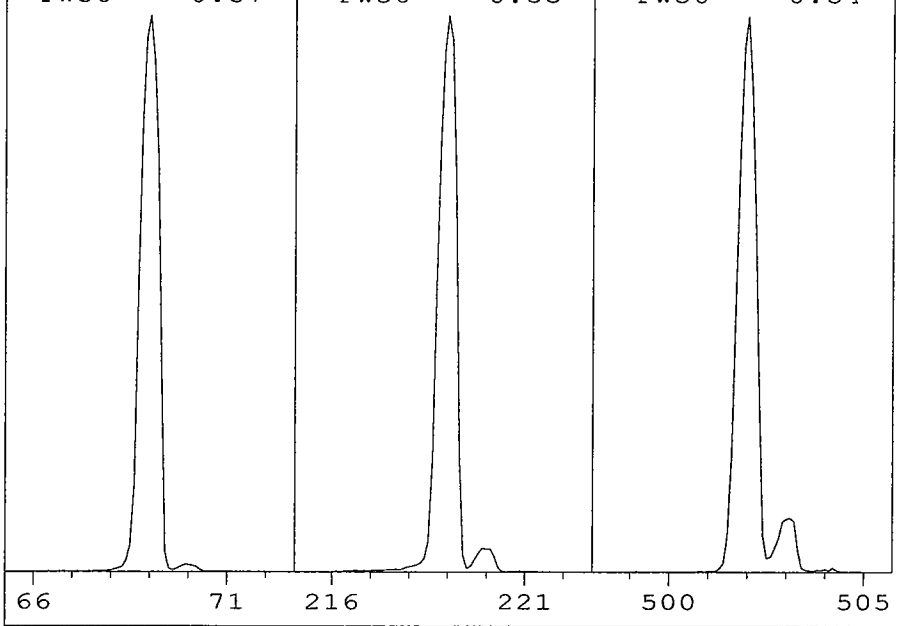
Mass	69.00	Mass	219.00	Mass	502.00
Ab	1550235	%	41.03	%	4.39
Pw50	0.57	Pw50	0.55	Pw50	0.54

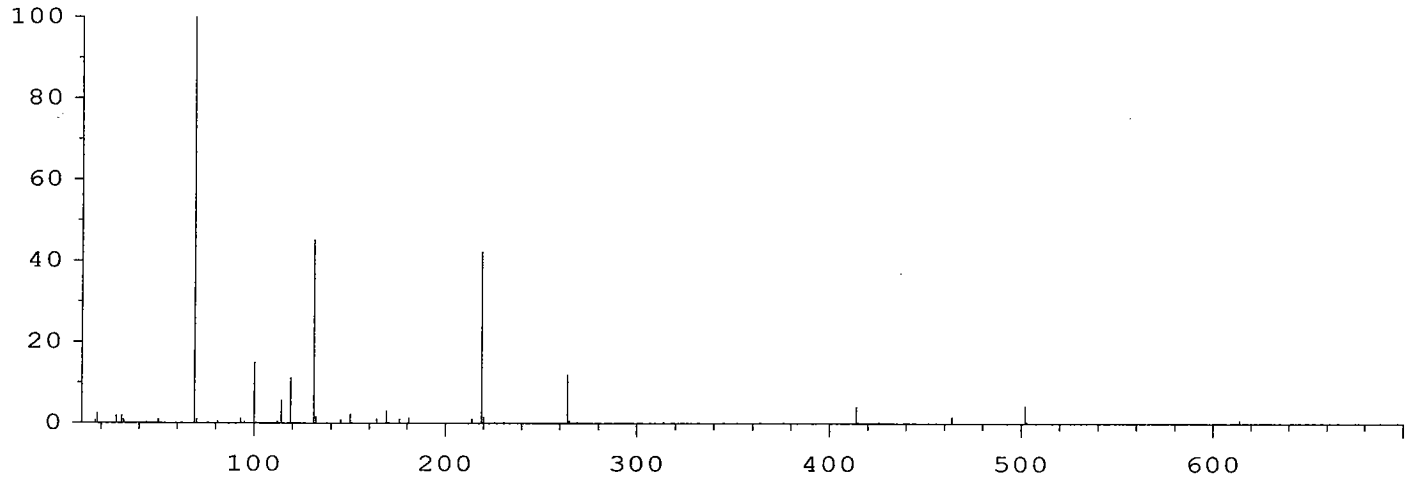


Ion Pol	POS	MassGain	366
		MassOffs	-11
Emission	34.6	AmuGain	2652
EIEnrgy	69.9	AmuOffs	133
Filament	1	Wid219	-0.043
		DC Pol	POS
Repeller	24.93		
IonFcus	83.5	HEDEnab	ON
EntLens	6.0	EMVolts	2318
EntOffs	8.28		
		Samples	8
PFTBA	OPEN	Averages	3
		Stepsize	0.10

Zones:

MS Source	200	Foreline	52
MS Quad	150		

Scan: 10.00 - 700.00 Samples: 8 Thresh: 100 Step: 0.10
317 peaks Base: 69.00 Abundance: 1381888



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	1381888	100.00	70.00	15631	1.13
219.00	584576	42.30	220.00	23256	3.98
502.00	60168	4.35	503.00	5864	9.75

Air/Water Check: H2O~2.48% N2~1.94% O2~0.86% CO2~0.33% N2/H2O~77.96%

Column Flow: Front: 1.791 Back: 0 ml/min. Interface Temp: 305

Ramp Criteria:
Ion Focus Maximum 90 volts using ion 502; EM Gain 757866
Repeller Maximum 30 volts using ion 219;

MassGain Values @Samples: 364@3 370@2 367@1 366@0 366@FS

TARGET MASS:	50	69	131	219	414	502	800
Amu Offset:	133.0	133.0	133.0	133.0	133.0	133.0	133.0
Entrance Lens Offset:	8.3	8.3	8.3	8.3	8.3	8.3	8.3
Target Abund(%):	1.0	100.0	45.0	45.0	3.5	2.0	
Actual Tune Abund(%):	1.1	100.0	45.3	42.3	4.1	4.4	

Wed Jul 14 10:21:09 2010 Instrument: Instrument 68
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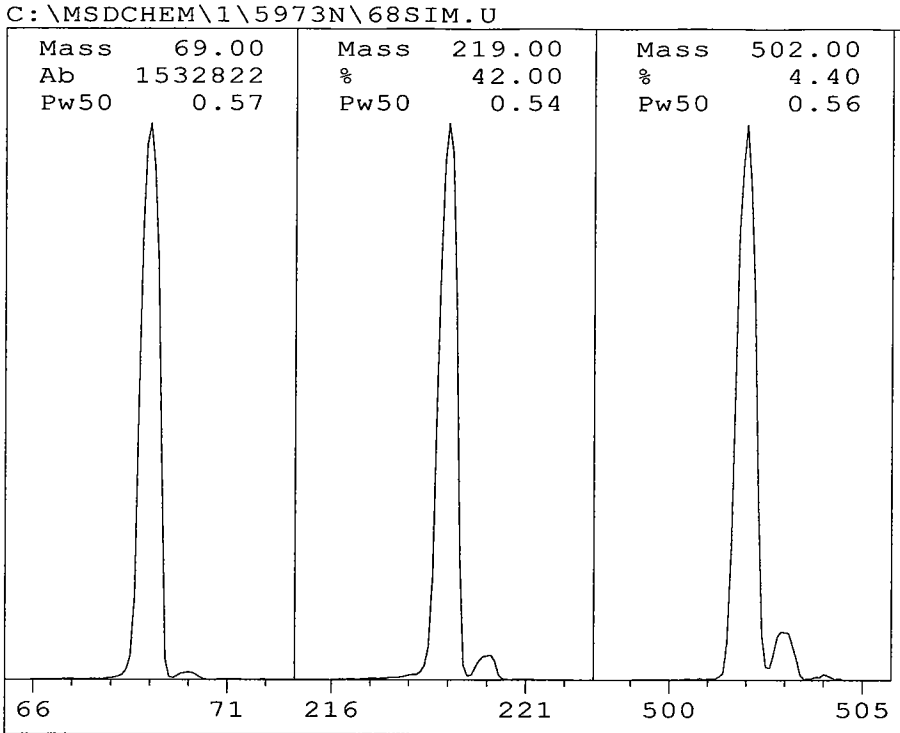
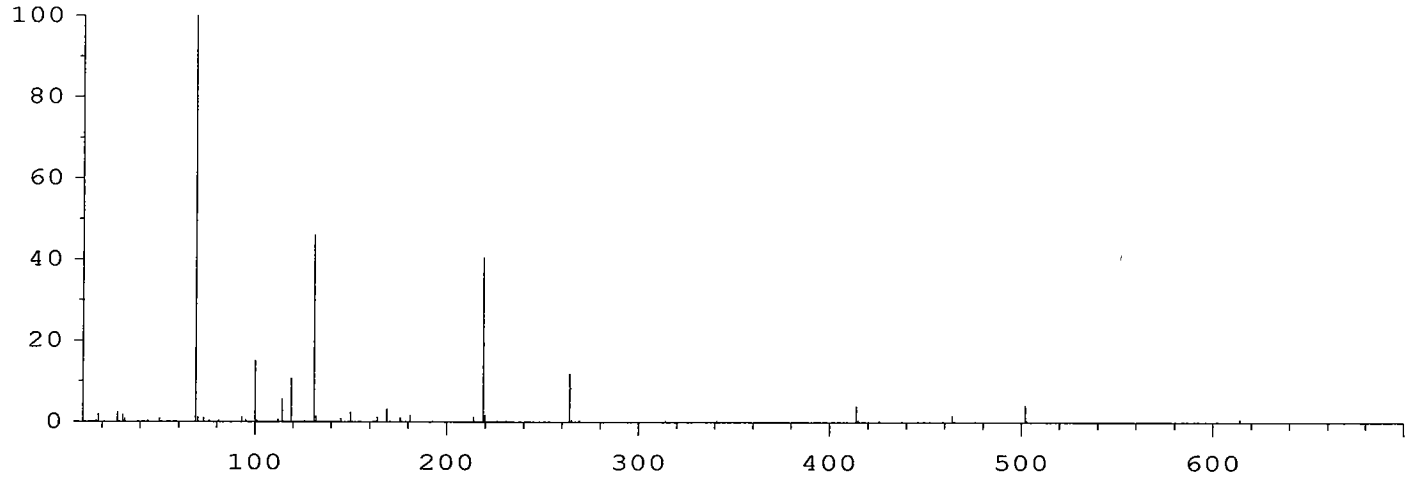


Ion Pol	POS	MassGain	366
		MassOffs	-11
Emission	34.6	AmuGain	2652
EIEnrgy	69.9	AmuOffs	133
Filament	1	Wid219	-0.043
		DC Pol	POS
Repeller	24.93		
IonFcus	83.5	HEDEnab	ON
EntLens	6.0	EMVolts	2318
EntOffs	8.28		
		Samples	8
PFTBA	OPEN	Averages	3
		Stepsize	0.10

Zones:

MS Source	200	Foreline	52
MS Quad	150		

Scan: 10.00 - 700.00 Samples: 8 Thresh: 100 Step: 0.10
386 peaks Base: 69.00 Abundance: 1396736



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	1396736	100.00	70.00	16568	1.19
219.00	566016	40.52	220.00	25472	4.50
502.00	58576	4.19	503.00	6462	11.03

Air/Water Check: H2O~1.93% N2~2.46% O2~0.90% CO2~0.30% N2/H2O~127.50%

Column Flow: Front: 1.791 Back: 0 ml/min. Interface Temp: 305

Ramp Criteria:
Ion Focus Maximum 90 volts using ion 502; EM Gain 813385
Repeller Maximum 30 volts using ion 219;

MassGain Values @Samples: 364@3 370@2 367@1 366@0 366@FS

TARGET MASS:	50	69	131	219	414	502	800
Amu Offset:	133.0	133.0	133.0	133.0	133.0	133.0	133.0
Entrance Lens Offset:	8.3	8.3	8.3	8.3	8.3	8.3	8.3
Target Abund(%):	1.0	100.0	45.0	45.0	3.5	2.0	
Actual Tune Abund(%):	0.9	100.0	46.1	40.5	4.1	4.2	

b. Blank Data

Arranged in chronological order, by extraction date.

- Tabulated Results (Form I SV)

- Chromatogram and quantitation report.

- Target compound spectra with lab-generated standard spectra.

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: SBLKCY

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0052635-BLK1
Sample wt/vol: 1000 (g/mL) ML
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0052635-BLK1A66
Analyst: RKM

% Moisture: _____ decanted: (Y/N) ___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052635-BLK1

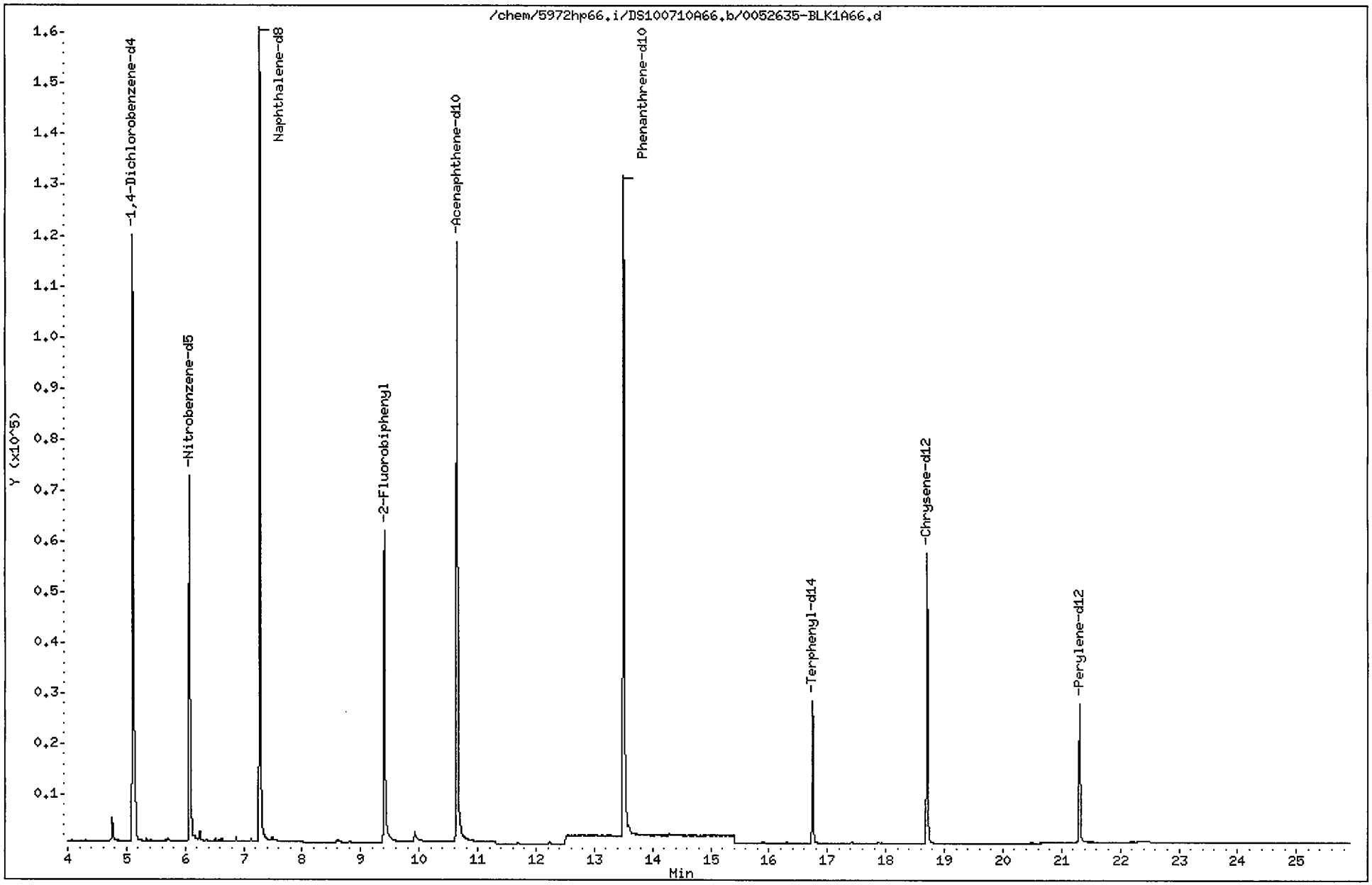
Date Extracted: 05/26/10
Date Analyzed: 07/10/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.030	0.20	ND	U
91-57-6	2-Methylnaphthalene	0.015	0.20	ND	U
208-96-8	Acenaphthylene	0.0100	0.20	ND	U
83-32-9	Acenaphthene	0.035	0.20	ND	U
86-73-7	Fluorene	0.045	0.20	ND	U
85-01-8	Phenanthrene	0.035	0.20	ND	U
120-12-7	Anthracene	0.020	0.20	ND	U
206-44-0	Fluoranthene	0.0100	0.20	ND	U
129-00-0	Pyrene	0.0100	0.20	ND	U
56-55-3	Benzo(a)anthracene	0.020	0.20	ND	U
218-01-9	Chrysene	0.015	0.20	ND	U
205-99-2	Benzo(b)fluoranthene	0.0100	0.20	ND	U
207-08-9	Benzo(k)fluoranthene	0.0100	0.20	ND	U
50-32-8	Benzo(a)pyrene	0.0100	0.20	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.0100	0.20	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.0100	0.20	ND	U
191-24-2	Benzo(g,h,i)perylene	0.0100	0.20	ND	U

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp66.i/DS100710A66.b/0052635-BLK1A66.d
Date : 10-JUL-2010 09:18
Client ID: SBLKCY
Sample Info: 0052635-BLK1:RKM
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: RKM
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100710A66.b/0052635-BLK1A66.d
Report Date: 13-Jul-2010 11:10

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100710A66.b/0052635-BLK1A66.d
Lab Smp Id: 0052635-BLK1 Client Smp ID: SBLKCY
Inj Date : 10-JUL-2010 09:18
Operator : RKM Inst ID: 5972hp66.i
Smp Info : 0052635-BLK1:RKM
Misc Info : SBLKCY
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100710A66.b/SIM_8270Cv3DOD.m
Meth Date : 13-Jul-2010 10:56 byrd Quant Type: ISTD
Cal Date : 09-JUL-2010 16:49 Cal File: 0G09004-CAL5A66.d
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	5.106	5.102	(1.000)	79421	2.00000	
* 2 Naphthalene-d8	136	7.273	7.270	(1.000)	209258	2.00000	
* 3 Acenaphthene-d10	164	10.641	10.640	(1.000)	104281	2.00000	
* 4 Phenanthrene-d10	188	13.504	13.495	(1.000)	147497	2.00000	
* 5 Chrysene-d12	240	18.703	18.698	(1.000)	65425	2.00000	
* 6 Perylene-d12	264	21.305	21.302	(1.000)	36125	2.00000	
$ 9 Nitrobenzene-d5	82	6.072	6.068	(0.835)	91598	0.84101	0.42
$ 10 2-Fluorobiphenyl	172	9.403	9.399	(0.884)	75492	0.82171	0.41
$ 12 Terphenyl-d14	244	16.747	16.743	(0.895)	30069	1.24839	0.62
13 Naphthalene	128	Compound Not Detected.					
15 2-Methylnaphthalene	141	Compound Not Detected.					
17 Acenaphthylene	152	Compound Not Detected.					
18 Acenaphthene	154	Compound Not Detected.					
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					

7/13/10

Data File: /chem/5972hp66.i/DS100710A66.b/0052635-BLK1A66.d
Report Date: 13-Jul-2010 11:10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

ASSIGNED TO: R mckay

EMP ID NUMBER: 2171

CompuChem
EXTRACTION WORKSHEET
SEMI-VOLATILE WATER
Method 3510C for 8270C

SIM

DATE/TIME EXTRACTED/POSTED: 5-26-10 1925

BATCH NO.: 0052635

2745

3079A

5-27-2

	COMPUCHEM NUMBER	CLIENT SAMPLE ID	QC SAMPLE TYPE	SAMPLE VOLUME (ml)	FINAL VOLUME (ml)	Adjusted pH A/N	Adjusted pH BASE	COMMENTS
1	0052635-BLK1	SBLKCY	MB	1000	1.0	1.9	12.0	
2	0052635-BS1	SCYLCS	LCS	1000		1.9	12.0	
3	0052635-BSD1	SCYLCSD	LCSD	1000		1.9	12.0	
4	1005186-08	AOCF-FB01-10A	SAMPLE	950		1.9	12.0	
5	1005186-10	1995MW01-10A	SAMPLE	975		1.9	12.0	
6	1005186-11	1995MW01D-10A	SAMPLE	950		1.9	12.0	
7	1005186-13	1995MW07-10A	SAMPLE	975		1.9	12.0	
8	1005186-14	1995MW08-10A	SAMPLE	950		1.9	12.0	
9	1005186-16	AOCF-ER03-10A	SAMPLE	1000		1.9	12.0	
10	1005187-01	BBG-GW10	SAMPLE	1000		1.9	12.0	
11	1005187-02	FB-052510	SAMPLE	1000		1.9	12.0	
12	1005187-03	BBG-GW01	SAMPLE	900		1.9	12.0	
13	1005187-04	EB1-052510	SAMPLE	975		1.9	12.0	
14	1005187-05	BBG-GW03	SAMPLE	1000		1.9	12.0	
15	1005187-06	EB2-052510	SAMPLE	1000	1.0	1.9	12.0	
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								

5-27-10

5-27-10

		S-VOL	8270
SURROGATE	NO.	DIL 393	
	AMT.	0.5 mL	
	LOT	OE20026	
SPIKE	NO.		FULL LIST SIM I&II
	AMT.		0.5 mL
	LOT		082109-03

FINAL VOLUME VERIFIED:

REVIEWED BY:

SURROGATE & SPIKE ADDED BY: RM / 5-26-10
Initials Date

Analyst initials. Extracted RM KD BFP N2 RM Bottle up RM

Witness BFP / 5-26-10
Initials Date

Manufacturer and lot number of reagents/solvents used H_2SO_4 - 68764, CH_2Cl_2 - J17501, NaOH - 2XX8-627-1, Na_2SO_4 - 2XX8-651-4

12/29/09: RM

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: SBLKDO

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0052804-BLK1
Sample wt/vol: 1000 (g/mL) ML
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0052804-BLK1A68
Analyst: OWS

% Moisture: _____ decanted: (Y/N) ___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052804-BLK1

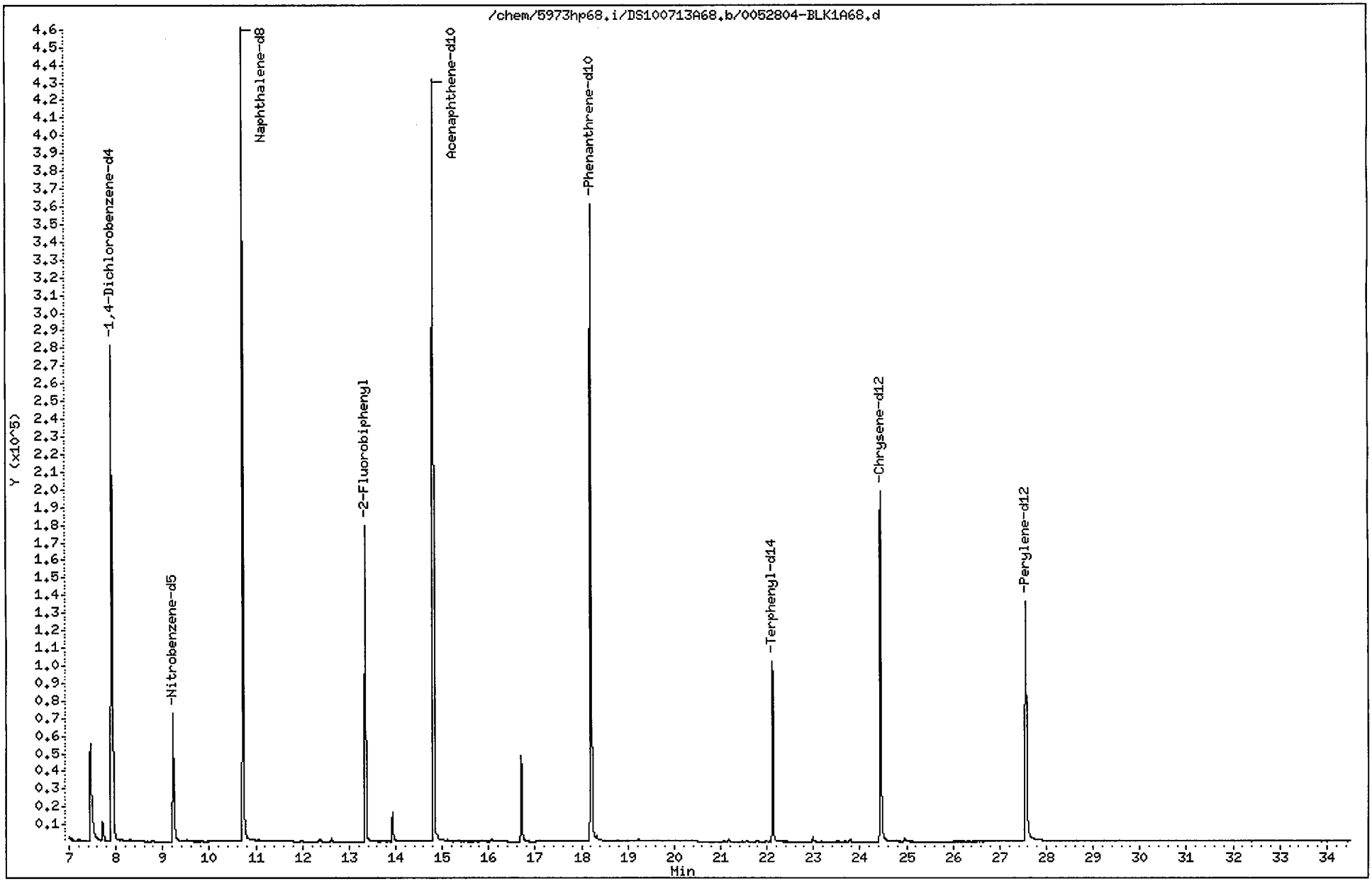
Date Extracted: 05/28/10
Date Analyzed: 07/13/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.030	0.20	ND	U
91-57-6	2-Methylnaphthalene	0.015	0.20	ND	U
208-96-8	Acenaphthylene	0.0100	0.20	ND	U
83-32-9	Acenaphthene	0.035	0.20	ND	U
86-73-7	Fluorene	0.045	0.20	ND	U
85-01-8	Phenanthrene	0.035	0.20	ND	U
120-12-7	Anthracene	0.020	0.20	ND	U
206-44-0	Fluoranthene	0.0100	0.20	ND	U
129-00-0	Pyrene	0.0100	0.20	ND	U
56-55-3	Benzo(a)anthracene	0.020	0.20	ND	U
218-01-9	Chrysene	0.015	0.20	ND	U
205-99-2	Benzo(b)fluoranthene	0.0100	0.20	ND	U
207-08-9	Benzo(k)fluoranthene	0.0100	0.20	ND	U
50-32-8	Benzo(a)pyrene	0.0100	0.20	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.0100	0.20	ND	U
53-70-3	Dibenzo(a,h)anthracene	0.0100	0.20	ND	U
191-24-2	Benzo(g,h,i)perylene	0.0100	0.20	ND	U

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5973hp68.i/DS100713A68.b/0052804-BLK1A68.d
Date : 13-JUL-2010 14:13
Client ID: SBLKDO
Instrument: 5973hp68.i
Sample Info: 0052804-BLK1:OWS
Volume Injected (uL): 2.0
Operator: OWS
Column phase: Rtx-5MS
Column diameter: 0.32



Data File: /chem/5973hp68.i/DS100713A68.b/0052804-BLK1A68.d
Report Date: 14-Jul-2010 15:36

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5973hp68.i/DS100713A68.b/0052804-BLK1A68.d
Lab Smp Id: 0052804-BLK1 Client Smp ID: SBLKDO
Inj Date : 13-JUL-2010 14:13
Operator : OWS Inst ID: 5973hp68.i
Smp Info : 0052804-BLK1:OWS
Misc Info : SBLKDO
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5973hp68.i/DS100713A68.b/SIM_8270Cv3DOD.m
Meth Date : 14-Jul-2010 15:22 byrd Quant Type: ISTD
Cal Date : 12-JUL-2010 20:33 Cal File: 0G12007-CAL5A68.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	7.910	7.910	(1.000)	236175	2.00000	
* 2 Naphthalene-d8	136	10.728	10.729	(1.000)	792271	2.00000	
* 3 Acenaphthene-d10	164	14.813	14.813	(1.000)	373916	2.00000	
* 4 Phenanthrene-d10	188	18.214	18.214	(1.000)	566892	2.00000	
* 5 Chrysene-d12	240	24.444	24.448	(1.000)	316476	2.00000	
* 6 Perylene-d12	264	27.558	27.563	(1.000)	240910	2.00000	
$ 9 Nitrobenzene-d5	82	9.227	9.221	(0.860)	105537	0.72588	0.36
$ 10 2-Fluorobiphenyl	172	13.353	13.354	(0.901)	204357	0.77815	0.39
$ 12 Terphenyl-d14	244	22.125	22.125	(0.905)	141538	0.97078	0.49
13 Naphthalene	128	Compound Not Detected.					
15 2-Methylnaphthalene	141	Compound Not Detected.					
17 Acenaphthylene	152	Compound Not Detected.					
18 Acenaphthene	154	Compound Not Detected.					
21 Fluorene	166	Compound Not Detected.					
25 Phenanthrene	178	Compound Not Detected.					

8/2/10 LP

Data File: /chem/5973hp68.i/DS100713A68.b/0052804-BLK1A68.d
Report Date: 14-Jul-2010 15:36

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
26 Anthracene	178	Compound Not Detected.					
27 Fluoranthene	202	Compound Not Detected.					
28 Pyrene	202	Compound Not Detected.					
29 Benzo(a)anthracene	228	Compound Not Detected.					
30 Chrysene	228	Compound Not Detected.					
31 Benzo(b)fluoranthene	252	Compound Not Detected.					
32 Benzo(k)fluoranthene	252	Compound Not Detected.					
33 Benzo(a)pyrene	252	Compound Not Detected.					
34 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
35 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
36 Benzo(g,h,i)perylene	276	Compound Not Detected.					

ASSIGNED TO: A.Lake

EMP ID NUMBER: 2728

CompuChem
EXTRACTION WORKSHEET
SEMI-VOLATILE WATER
Method 3510C for 8270C

SIM 6-1-10 MW6-1-10

DATE/TIME EXTRACTED/POSTED: 5-28-10@1300

BATCH NO.: 0052804

279

	COMPUCHEM NUMBER	CLIENT SAMPLE ID	QC SAMPLE TYPE	SAMPLE VOLUME (ml)	8270A FINAL VOLUME (ml)	Adjusted pH: A/N	BASE	COMMENTS
1	0052804-BLK1	SBLKDO	MB	6000	1.0	1.6	12.0	
2	0052804-BS1	SDOLCS	LCS	1000		1.6	12.0	
3	0052804-MS1	BBG-GW02MS	MS1	1000		1.6	12.0	
4	0052804-MS2	MW-1MS	MS2	1000		1.6	12.0	
5	0052804-MSD1	BBG-GW02MSD	MSD1	1000		1.6	12.0	MW 6-1-10
6	0052804-MSD2	MW-1MSD	MSD2	1000		1.6	12.0	
7	1005186-17	AOCF-FB02-10A	SAMPLE	950		1.6	12.0	
8	1005187-07	BBG-GW09	SAMPLE	925		1.6	12.0	*added 0.25ml of 353 for 7-27-10
9	1005187-08	BBG-GW09D	SAMPLE	950		1.6	12.0	
10	1005187-09	BBG-GW08	SAMPLE	950		1.6	12.0	
11	1005187-10	BBG-GW07	SAMPLE	1000		1.6	12.0	
12	1005187-11	EB1-052710	SAMPLE	1000	1.0	1.6	12.0	
*13	1005187-12	BBG-GW04	SAMPLE	500	0.5	1.6	12.0	
14	1005187-13	BBG-GW07DUCH	SAMPLE	925	1.0	1.6	12.0	
15	1005187-14	BBG-GW02	SAMPLE	950		1.6	12.0	QC
16	1005187-15	EB2-052710	SAMPLE	975		1.6	12.0	
17	1005187-16	EB3-052710	SAMPLE	900		1.6	12.0	ML 6-1-10
18	1005196-01	MW-1	SAMPLE	1000		1.6	12.0	QC
19	1005196-02	MW-2	SAMPLE	1000		1.6	12.0	
20	1005196-03	MW-3	SAMPLE	950		1.6	12.0	
21	1005196-04	MW-2 DUP	SAMPLE	950		1.6	12.0	ML 6-1-10
22	1005196-06	MW-4	SAMPLE	950	1.0	1.6	12.0	
23								
24		ML 6-1-10						
25								
26								

		SSVOI	8270
SURROGATE	NO.	DIL 393	
	AMT.	0.5 mL	
	LOT	OE200226	
SPIKE	NO.		FULL LIST SIM I&II
	AMT.		0.5 mL
	LOT		030810-05

FINAL VOLUME VERIFIED: M Lett

REVIEWED BY: B. Patten

SURROGATE & SPIKE ADDED BY: TTMW / 5-28-10
Initials Date

Witness KB/ML / 5-28-10
Initials Date

Analyst initials. Extracted AS/TMW/ML KD ML N2 ML Bottle up ML

Manufacturer and lot number of reagents/solvents used ~~CH2Cl2~~ J17501, Na2SO4 - 101372, H2SO4 - 71645, 10N NaOH - 2008-152-2

12/29/09: RM

c. Laboratory Control Sample Data

Arranged in chronological order, by extraction date.

- Tabulated Results (Form I SV)

- Chromatogram and quantitation report

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: SCYLCS

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0052635-BS1
Sample wt/vol: 1000 (g/mL) ML
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0052635-BS1A66
Analyst: RKM

% Moisture: _____ decanted: (Y/N)___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052635-BLK1

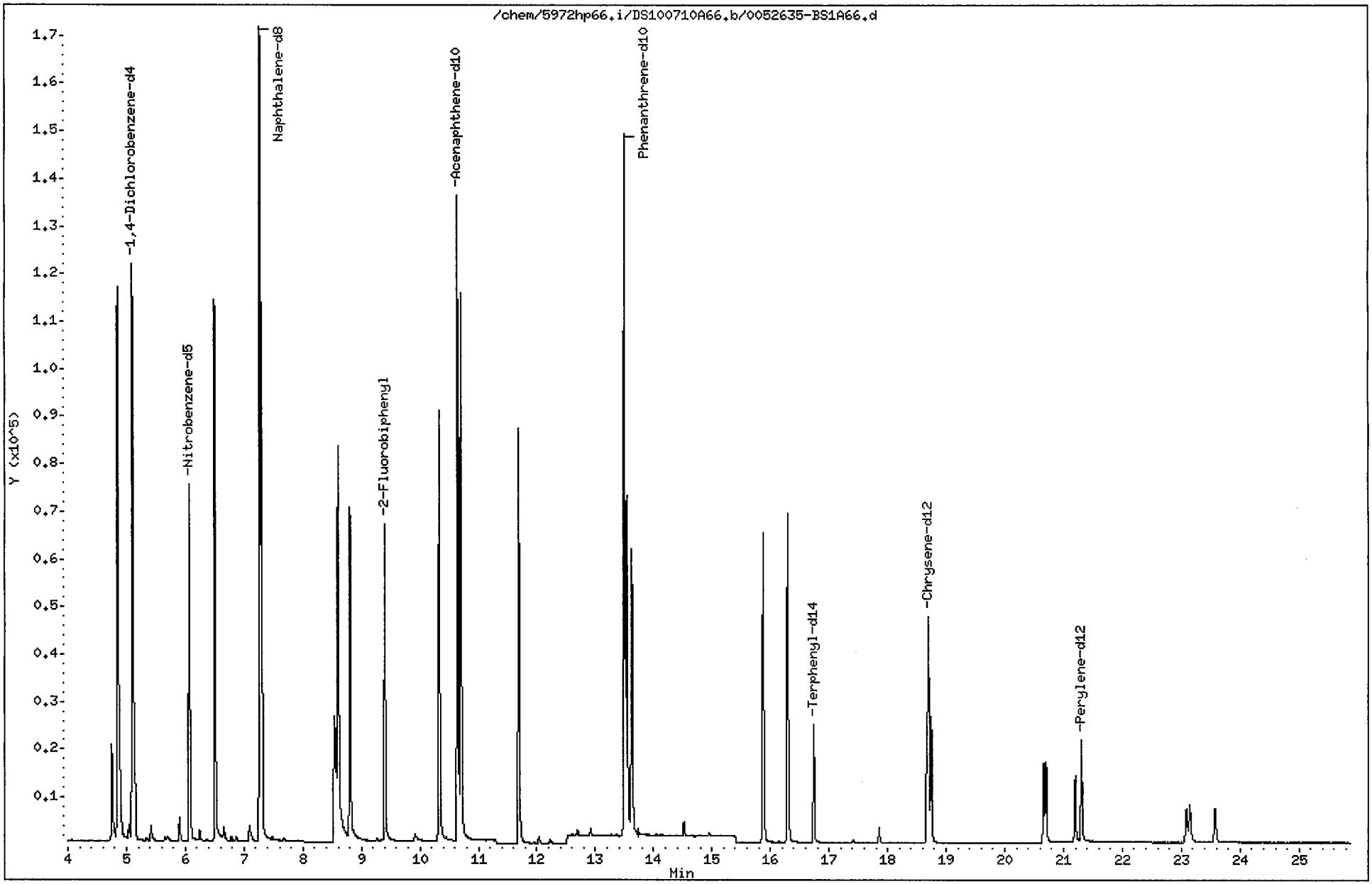
Date Extracted: 05/26/10
Date Analyzed: 07/10/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.030	0.20	0.42	
91-57-6	2-Methylnaphthalene	0.015	0.20	0.40	
208-96-8	Acenaphthylene	0.0100	0.20	0.41	
83-32-9	Acenaphthene	0.035	0.20	0.42	
86-73-7	Fluorene	0.045	0.20	0.42	
85-01-8	Phenanthrene	0.035	0.20	0.47	
120-12-7	Anthracene	0.020	0.20	0.48	
206-44-0	Fluoranthene	0.0100	0.20	0.45	
129-00-0	Pyrene	0.0100	0.20	0.61	
56-55-3	Benzo(a)anthracene	0.020	0.20	0.54	
218-01-9	Chrysene	0.015	0.20	0.55	
205-99-2	Benzo(b)fluoranthene	0.0100	0.20	0.57	
207-08-9	Benzo(k)fluoranthene	0.0100	0.20	0.60	
50-32-8	Benzo(a)pyrene	0.0100	0.20	0.53	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0100	0.20	0.38	
53-70-3	Dibenzo(a,h)anthracene	0.0100	0.20	0.40	
191-24-2	Benzo(g,h,i)perylene	0.0100	0.20	0.37	

ND = Not Detected
Q = Qualifier

Data File: /chem/5972hp66.i/DS100710A66.b/0052635-BS1A66.d
Date : 10-JUL-2010 09:52
Client ID: SCYLCS
Sample Info: 0052635-BS1:RKM
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: RKM
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100710A66.b/0052635-BS1A66.d
Report Date: 13-Jul-2010 13:13

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100710A66.b/0052635-BS1A66.d
Lab Smp Id: 0052635-BS1 Client Smp ID: SCYLCS
Inj Date : 10-JUL-2010 09:52
Operator : RKM Inst ID: 5972hp66.i
Smp Info : 0052635-BS1:RKM
Misc Info : SCYLCS
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100710A66.b/SIM_8270Cv3DOD.m
Meth Date : 13-Jul-2010 13:11 byrd Quant Type: ISTD
Cal Date : 09-JUL-2010 16:49 Cal File: 0G09004-CAL5A66.d
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	5.105	5.102	(1.000)	83027	2.00000	
* 2 Naphthalene-d8	136	7.270	7.270	(1.000)	221335	2.00000	
* 3 Acenaphthene-d10	164	10.639	10.640	(1.000)	109076	2.00000	
* 4 Phenanthrene-d10	188	13.500	13.495	(1.000)	154999	2.00000	
* 5 Chrysene-d12	240	18.702	18.698	(1.000)	54201	2.00000	
* 6 Perylene-d12	264	21.306	21.302	(1.000)	28876	2.00000	
$ 9 Nitrobenzene-d5	82	6.071	6.068	(0.835)	88871	0.77144	0.39
$ 10 2-Fluorobiphenyl	172	9.402	9.399	(0.884)	72550	0.75497	0.38
$ 12 Terphenyl-d14	244	16.743	16.743	(0.895)	26391	1.32259	0.66
13 Naphthalene	128	7.305	7.301	(1.005)	142529	0.83087	0.42
15 2-Methylnaphthalene	141	8.608	8.605	(1.184)	57913	0.80987	0.40
17 Acenaphthylene	152	10.327	10.328	(0.971)	98635	0.81120	0.41
18 Acenaphthene	154	10.697	10.698	(1.005)	63415	0.83868	0.42
21 Fluorene	166	11.690	11.688	(1.099)	67517	0.83009	0.42
25 Phenanthrene	178	13.540	13.539	(1.003)	91183	0.93639	0.47

8/3/10w

Data File: /chem/5972hp66.i/DS100710A66.b/0052635-BS1A66.d
Report Date: 13-Jul-2010 13:13

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
26 Anthracene	178	13.624	13.623	(1.009)	85347	0.96649	0.48
27 Fluoranthene	202	15.878	15.873	(1.176)	67466	0.89497	0.45
28 Pyrene	202	16.293	16.292	(0.871)	66630	1.22341	0.61
29 Benzo(a)anthracene	228	18.671	18.667	(0.998)	31512	1.08296	0.54
30 Chrysene	228	18.750	18.746	(1.003)	33115	1.09681	0.55
31 Benzo(b)fluoranthene	252	20.667	20.663	(0.970)	21593	1.14035	0.57
32 Benzo(k)fluoranthene	252	20.706	20.703	(0.972)	24564	1.20801	0.60
33 Benzo(a)pyrene	252	21.200	21.197	(0.995)	18597	1.06996	0.53
34 Indeno(1,2,3-cd)pyrene	276	23.089	23.082	(1.084)	11551	0.75366	0.38
35 Dibenzo(a,h)anthracene	278	23.146	23.144	(1.086)	10720	0.80349	0.40
36 Benzo(g,h,i)perylene	276	23.579	23.572	(1.107)	12857	0.73575	0.37

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: SCYLCSD

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0052635-BSD1
Sample wt/vol: 1000 (g/mL) ML
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0052635-BSD1JA66
Analyst: MEW

% Moisture: _____ decanted: (Y/N) ___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052635-BLK1

Date Extracted: 05/26/10
Date Analyzed: 07/12/10
Dilution Factor: 1.0

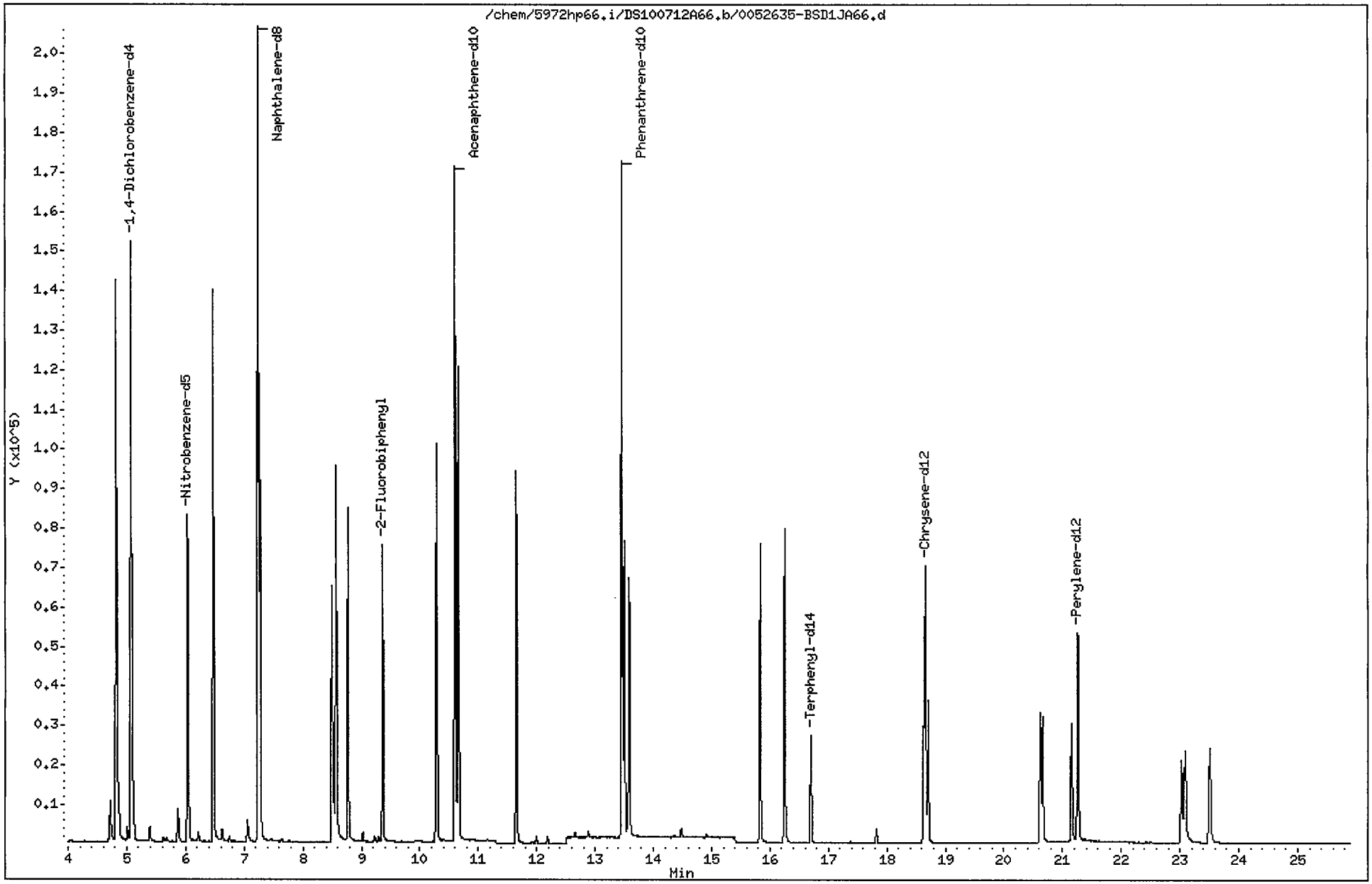
CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.030	0.20	0.38	
91-57-6	2-Methylnaphthalene	0.015	0.20	0.38	
208-96-8	Acenaphthylene	0.0100	0.20	0.37	
83-32-9	Acenaphthene	0.035	0.20	0.39	
86-73-7	Fluorene	0.045	0.20	0.38	
85-01-8	Phenanthrene	0.035	0.20	0.44	
120-12-7	Anthracene	0.020	0.20	0.43	
206-44-0	Fluoranthene	0.0100	0.20	0.43	
129-00-0	Pyrene	0.0100	0.20	0.45	
56-55-3	Benzo(a)anthracene	0.020	0.20	0.46	
218-01-9	Chrysene	0.015	0.20	0.50	
205-99-2	Benzo(b)fluoranthene	0.0100	0.20	0.45	
207-08-9	Benzo(k)fluoranthene	0.0100	0.20	0.46	
50-32-8	Benzo(a)pyrene	0.0100	0.20	0.46	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0100	0.20	0.45	
53-70-3	Dibenzo(a,h)anthracene	0.0100	0.20	0.48	
191-24-2	Benzo(g,h,i)perylene	0.0100	0.20	0.48	

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5972hp66.i/DS100712A66.b/0052635-BSD1JA66.d
Date : 12-JUL-2010 13:02
Client ID: SCYLCSD
Sample Info: 0052635-BSD1:MEW
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5972hp66.i
Operator: MEW
Column diameter: 0.32



Data File: /chem/5972hp66.i/DS100712A66.b/0052635-BSD1JA66.d
Report Date: 13-Jul-2010 15:57

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5972hp66.i/DS100712A66.b/0052635-BSD1JA66.d
Lab Smp Id: 0052635-BSD1 Client Smp ID: SCYLCSD
Inj Date : 12-JUL-2010 13:02
Operator : MEW Inst ID: 5972hp66.i
Smp Info : 0052635-BSD1:MEW
Misc Info : SCYLCSD
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5972hp66.i/DS100712A66.b/SIM_8270Cv3DOD.m
Meth Date : 13-Jul-2010 15:56 byrd Quant Type: ISTD
Cal Date : 09-JUL-2010 16:49 Cal File: 0G09004-CAL5A66.d
Als bottle: 2 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	5.071	5.070	(1.000)	93262	2.00000	
* 2 Naphthalene-d8	136	7.239	7.234	(1.000)	252562	2.00000	
* 3 Acenaphthene-d10	164	10.605	10.605	(1.000)	118478	2.00000	
* 4 Phenanthrene-d10	188	13.461	13.460	(1.000)	165303	2.00000	
* 5 Chrysene-d12	240	18.657	18.658	(1.000)	77625	2.00000	
* 6 Perylene-d12	264	21.258	21.258	(1.000)	69689	2.00000	
$ 9 Nitrobenzene-d5	82	6.037	6.032	(0.834)	93476	0.71109	0.36
$ 10 2-Fluorobiphenyl	172	9.367	9.362	(0.883)	74834	0.71694	0.36
$ 12 Terphenyl-d14	244	16.704	16.699	(0.895)	26849	0.93951	0.47
13 Naphthalene	128	7.270	7.269	(1.004)	149674	0.76464	0.38
15 2-Methylnaphthalene	141	8.569	8.569	(1.184)	62018	0.76004	0.38
17 Acenaphthylene	152	10.293	10.293	(0.971)	97006	0.73450	0.37
18 Acenaphthene	154	10.663	10.663	(1.005)	63652	0.77501	0.39
21 Fluorene	166	11.654	11.650	(1.099)	67011	0.75849	0.38
25 Phenanthrene	178	13.500	13.500	(1.003)	90498	0.87142	0.44

7/13/10

Data File: /chem/5972hp66.i/DS100712A66.b/0052635-BSD1JA66.d
Report Date: 13-Jul-2010 15:57

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
26 Anthracene	178	13.589	13.584	(1.010)	81214	0.86236	0.43
27 Fluoranthene	202	15.834	15.834	(1.176)	69763	0.86776	0.43
28 Pyrene	202	16.254	16.249	(0.871)	70635	0.90558	0.45
29 Benzo(a)anthracene	228	18.626	18.627	(0.998)	38604	0.92635	0.46
30 Chrysene	228	18.706	18.702	(1.003)	42956	0.99343	0.50
31 Benzo(b)fluoranthene	252	20.618	20.618	(0.970)	40982	0.89679	0.45
32 Benzo(k)fluoranthene	252	20.658	20.658	(0.972)	45555	0.92828	0.46
33 Benzo(a)pyrene	252	21.152	21.152	(0.995)	38955	0.92867	0.46
34 Indeno(1,2,3-cd)pyrene	276	23.026	23.026	(1.083)	33213	0.89792	0.45
35 Dibenzo(a,h)anthracene	278	23.088	23.084	(1.086)	31141	0.96715	0.48
36 Benzo(g,h,i)perylene	276	23.507	23.503	(1.106)	40437	0.95883	0.48

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: SDOLCS

Lab Project Number:
Method: 8270C-SIM
Date Collected: _____

Lab Sample ID: 0052804-BS1
Sample wt/vol: 1000 (g/mL) ML
Level: (low/med) LOW

Date Received: _____
Lab File ID: 0052804-BS1A68
Analyst: OWS

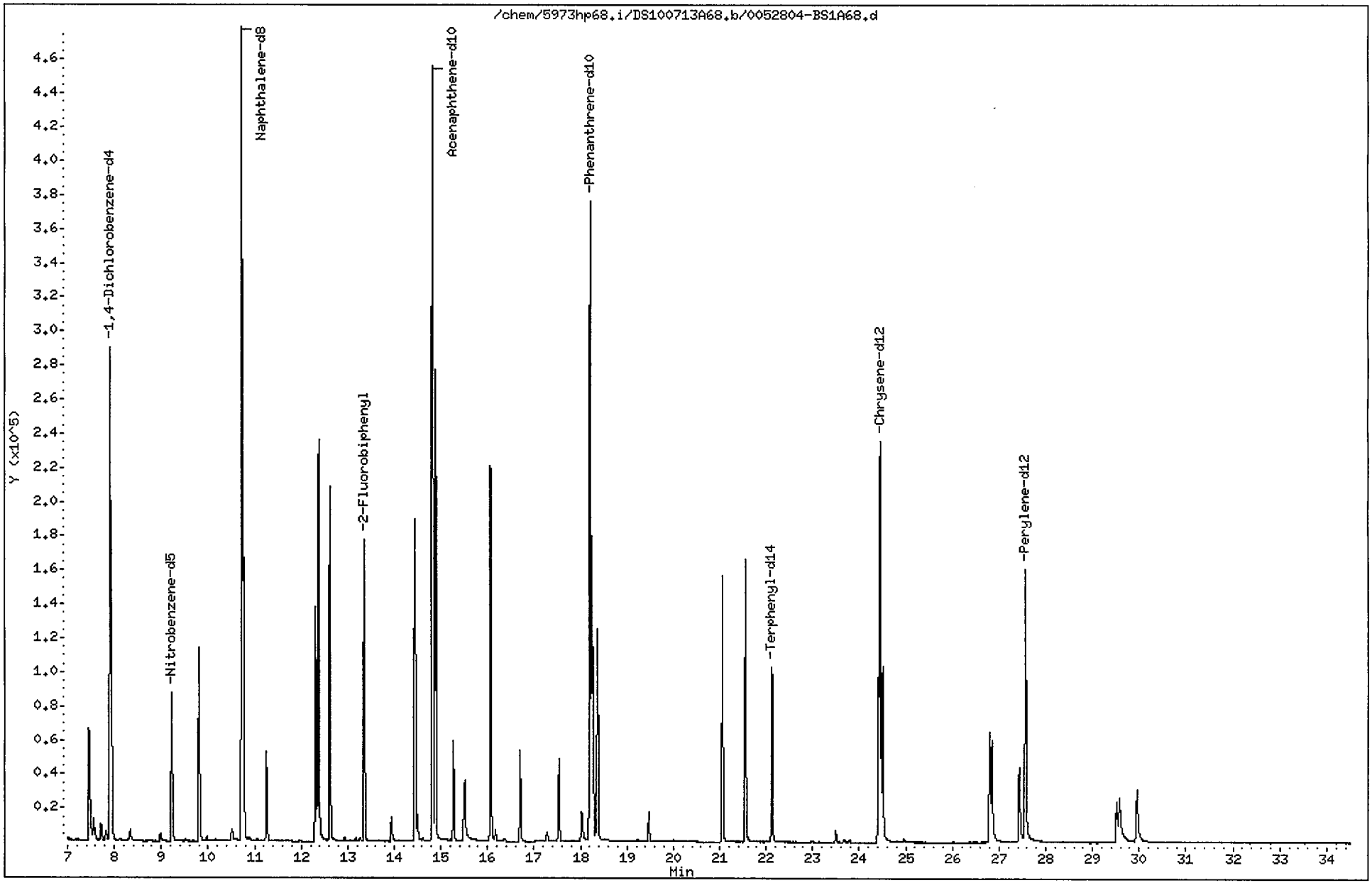
% Moisture: _____ decanted: (Y/N) ___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052804-BLK1

Date Extracted: 05/28/10
Date Analyzed: 07/13/10
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.030	0.20	0.36	
91-57-6	2-Methylnaphthalene	0.015	0.20	0.37	
208-96-8	Acenaphthylene	0.0100	0.20	0.33	
83-32-9	Acenaphthene	0.035	0.20	0.35	
86-73-7	Fluorene	0.045	0.20	0.35	
85-01-8	Phenanthrene	0.035	0.20	0.37	
120-12-7	Anthracene	0.020	0.20	0.34	
206-44-0	Fluoranthene	0.0100	0.20	0.39	
129-00-0	Pyrene	0.0100	0.20	0.39	
56-55-3	Benzo(a)anthracene	0.020	0.20	0.37	
218-01-9	Chrysene	0.015	0.20	0.39	
205-99-2	Benzo(b)fluoranthene	0.0100	0.20	0.34	
207-08-9	Benzo(k)fluoranthene	0.0100	0.20	0.36	
50-32-8	Benzo(a)pyrene	0.0100	0.20	0.33	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0100	0.20	0.25	
53-70-3	Dibenzo(a,h)anthracene	0.0100	0.20	0.26	
191-24-2	Benzo(g,h,i)perylene	0.0100	0.20	0.32	

ND = Not Detected
Q = Qualifier

Data File: /chem/5973hp68.i/DS100713A68.b/0052804-BS1A68.d
Date : 13-JUL-2010 14:57
Client ID: SDOLCS
Instrument: 5973hp68.i
Sample Info: 0052804-BS1:OWS
Volume Injected (uL): 2.0
Operator: OWS
Column phase: Rtx-5MS
Column diameter: 0.32



Data File: /chem/5973hp68.i/DS100713A68.b/0052804-BS1A68.d
Report Date: 14-Jul-2010 15:23

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5973hp68.i/DS100713A68.b/0052804-BS1A68.d
Lab Smp Id: 0052804-BS1 Client Smp ID: SDOLCS
Inj Date : 13-JUL-2010 14:57
Operator : OWS Inst ID: 5973hp68.i
Smp Info : 0052804-BS1:OWS
Misc Info : SDOLCS
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5973hp68.i/DS100713A68.b/SIM_8270Cv3DOD.m
Meth Date : 14-Jul-2010 15:22 byrd Quant Type: ISTD
Cal Date : 12-JUL-2010 20:33 Cal File: 0G12007-CAL5A68.d
Als bottle: 6 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	7.910	7.910	(1.000)	242788	2.00000	
* 2 Naphthalene-d8	136	10.729	10.729	(1.000)	809920	2.00000	
* 3 Acenaphthene-d10	164	14.813	14.813	(1.000)	390197	2.00000	
* 4 Phenanthrene-d10	188	18.214	18.214	(1.000)	592015	2.00000	
* 5 Chrysene-d12	240	24.444	24.448	(1.000)	363672	2.00000	
* 6 Perylene-d12	264	27.563	27.563	(1.000)	276163	2.00000	
$ 9 Nitrobenzene-d5	82	9.223	9.221	(0.860)	110352	0.74246	0.37
$ 10 2-Fluorobiphenyl	172	13.354	13.354	(0.901)	201112	0.73384	0.37
$ 12 Terphenyl-d14	244	22.125	22.125	(0.905)	144231	0.86087	0.43
13 Naphthalene	128	10.763	10.763	(1.003)	310375	0.72125	0.36
15 2-Methylnaphthalene	141	12.374	12.370	(1.153)	167255	0.74454	0.37
17 Acenaphthylene	152	14.434	14.434	(0.974)	249044	0.66198	0.33
18 Acenaphthene	154	14.882	14.882	(1.005)	158133	0.69350	0.35
21 Fluorene	166	16.068	16.064	(1.085)	179530	0.69617	0.35
25 Phenanthrene	178	18.260	18.260	(1.003)	244035	0.74229	0.37

Data File: /chem/5973hp68.i/DS100713A68.b/0052804-BS1A68.d
Report Date: 14-Jul-2010 15:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
26 Anthracene	178	18.367	18.367	(1.008)	207048	0.67766	0.34
27 Fluoranthene	202	21.058	21.058	(1.156)	232948	0.78284	0.39
28 Pyrene	202	21.552	21.552	(0.882)	243050	0.77888	0.39
29 Benzo(a)anthracene	228	24.409	24.409	(0.999)	140957	0.73559	0.37
30 Chrysene	228	24.501	24.505	(1.002)	148802	0.77531	0.39
31 Benzo(b)fluoranthene	252	26.797	26.797	(0.972)	110284	0.68546	0.34
32 Benzo(k)fluoranthene	252	26.850	26.845	(0.974)	126904	0.72508	0.36
33 Benzo(a)pyrene	252	27.436	27.436	(0.995)	91033	0.65745	0.33
34 Indeno(1,2,3-cd)pyrene	276	29.518	29.518	(1.071)	46338	0.50890	0.25
35 Dibenzo(a,h)anthracene	278	29.579	29.579	(1.073)	45618	0.51109	0.26
36 Benzo(g,h,i)perylene	276	29.956	29.956	(1.087)	68926	0.63573	0.32

d. Matrix Spike Data

- Tabulated Results (Form I SV)

- Chromatogram and quantitation report

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: BBG-GW02MS

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/27/10

Lab Sample ID: 0052804-MS1
Sample wt/vol: 1000 (g/mL) ML
Level: (low/med) LOW

Date Received: 05/27/10
Lab File ID: 0052804-MS1A68
Analyst: OWS

% Moisture: _____ decanted: (Y/N)___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052804-BLK1

Date Extracted: 05/28/10
Date Analyzed: 07/13/10
Dilution Factor: 1.0

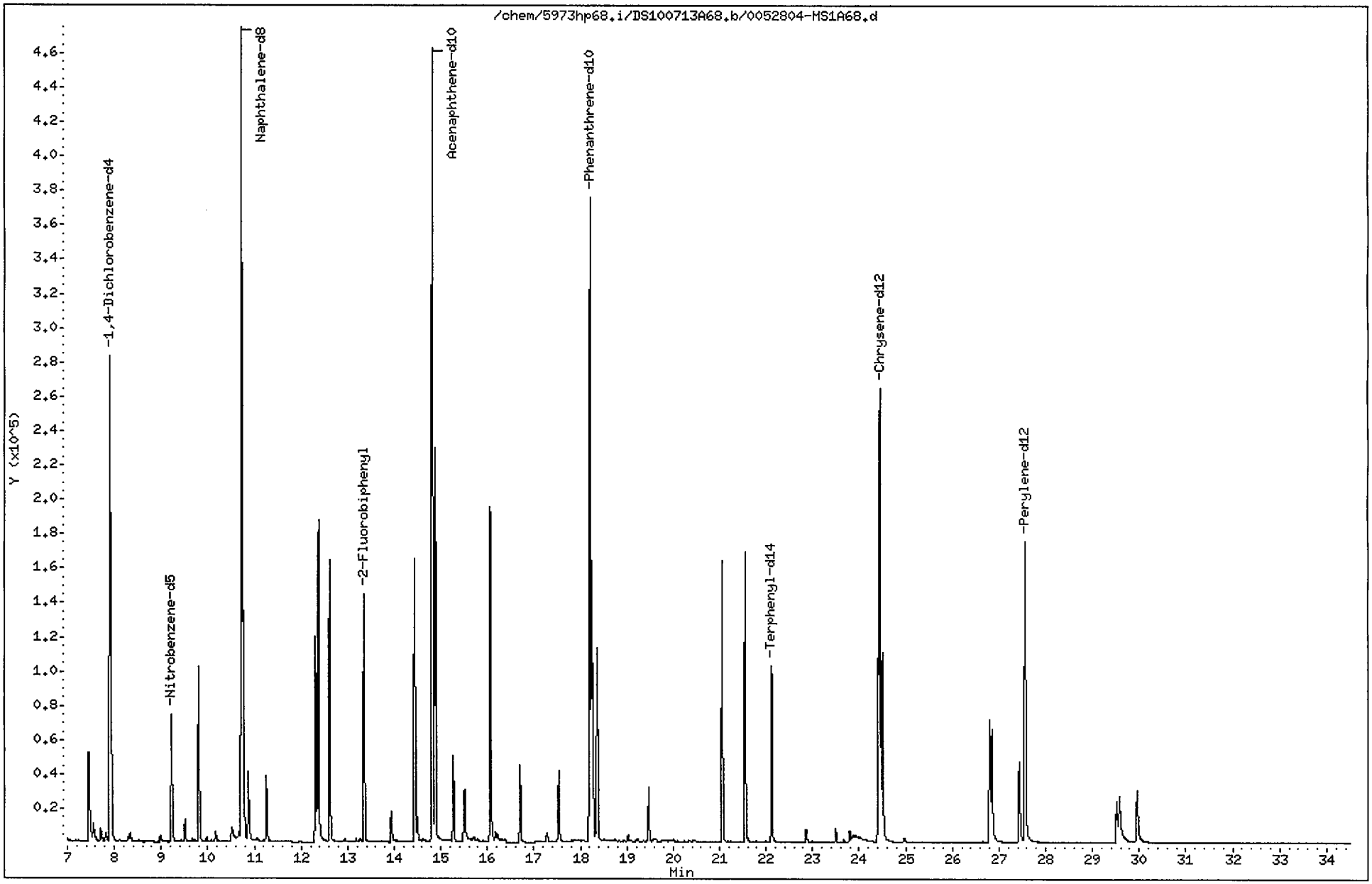
CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.030	0.20	0.29	
91-57-6	2-Methylnaphthalene	0.015	0.20	0.29	
208-96-8	Acenaphthylene	0.0100	0.20	0.28	
83-32-9	Acenaphthene	0.035	0.20	0.29	
86-73-7	Fluorene	0.045	0.20	0.31	
85-01-8	Phenanthrene	0.035	0.20	0.34	
120-12-7	Anthracene	0.020	0.20	0.31	
206-44-0	Fluoranthene	0.0100	0.20	0.39	
129-00-0	Pyrene	0.0100	0.20	0.36	
56-55-3	Benzo(a)anthracene	0.020	0.20	0.37	
218-01-9	Chrysene	0.015	0.20	0.37	
205-99-2	Benzo(b)fluoranthene	0.0100	0.20	0.37	
207-08-9	Benzo(k)fluoranthene	0.0100	0.20	0.39	
50-32-8	Benzo(a)pyrene	0.0100	0.20	0.31	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0100	0.20	0.25	
53-70-3	Dibenzo(a,h)anthracene	0.0100	0.20	0.25	
191-24-2	Benzo(g,h,i)perylene	0.0100	0.20	0.29	

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5973hp68.i/DS100713A68.b/0052804-MS1A68.d
Date : 13-JUL-2010 16:26
Client ID: BBG-GW02MS
Sample Info: 0052804-MS1:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5973hp68.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5973hp68.i/DS100713A68.b/0052804-MS1A68.d
Report Date: 14-Jul-2010 15:23

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5973hp68.i/DS100713A68.b/0052804-MS1A68.d
Lab Smp Id: 0052804-MS1 Client Smp ID: BBG-GW02MS
Inj Date : 13-JUL-2010 16:26
Operator : OWS Inst ID: 5973hp68.i
Smp Info : 0052804-MS1:OWS
Misc Info : BBG-GW02MS
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5973hp68.i/DS100713A68.b/SIM_8270Cv3DOD.m
Meth Date : 14-Jul-2010 15:22 byrd Quant Type: ISTD
Cal Date : 12-JUL-2010 20:33 Cal File: 0G12007-CAL5A68.d
Als bottle: 8 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	7.910	7.910	(1.000)	240352	2.00000	
* 2 Naphthalene-d8	136	10.728	10.729	(1.000)	806240	2.00000	
* 3 Acenaphthene-d10	164	14.813	14.813	(1.000)	387312	2.00000	
* 4 Phenanthrene-d10	188	18.214	18.214	(1.000)	598848	2.00000	
* 5 Chrysene-d12	240	24.444	24.448	(1.000)	403029	2.00000	
* 6 Perylene-d12	264	27.558	27.563	(1.000)	286047	2.00000	
$ 9 Nitrobenzene-d5	82	9.223	9.221	(0.860)	94369	0.63782	0.32
$ 10 2-Fluorobiphenyl	172	13.353	13.354	(0.901)	166378	0.61162	0.31
$ 12 Terphenyl-d14	244	22.125	22.125	(0.905)	143538	0.77307	0.39
13 Naphthalene	128	10.763	10.763	(1.003)	245809	0.57382	0.29
15 2-Methylnaphthalene	141	12.374	12.370	(1.153)	130816	0.58499	0.29
17 Acenaphthylene	152	14.434	14.434	(0.974)	211598	0.56663	0.28
18 Acenaphthene	154	14.882	14.882	(1.005)	132028	0.58333	0.29
21 Fluorene	166	16.064	16.064	(1.084)	157246	0.61430	0.31
25 Phenanthrene	178	18.260	18.260	(1.003)	228437	0.68691	0.34

07/14/10

Data File: /chem/5973hp68.i/DS100713A68.b/0052804-MS1A68.d
Report Date: 14-Jul-2010 15:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
26 Anthracene	178	18.367	18.367	(1.008)	192824	0.62391	0.31
27 Fluoranthene	202	21.058	21.058	(1.156)	236426	0.78546	0.39
28 Pyrene	202	21.552	21.552	(0.882)	247543	0.71582	0.36
29 Benzo(a)anthracene	228	24.409	24.409	(0.999)	156552	0.73720	0.37
30 Chrysene	228	24.501	24.505	(1.002)	158990	0.74749	0.37
31 Benzo(b)fluoranthene	252	26.797	26.797	(0.972)	122310	0.73394	0.37
32 Benzo(k)fluoranthene	252	26.845	26.845	(0.974)	142728	0.78732	0.39
33 Benzo(a)pyrene	252	27.436	27.436	(0.996)	90111	0.62831	0.31
34 Indeno(1,2,3-cd)pyrene	276	29.518	29.518	(1.071)	46569	0.49376	0.25
35 Dibenzo(a,h)anthracene	278	29.579	29.579	(1.073)	46469	0.50263	0.25
36 Benzo(g,h,i)perylene	276	29.956	29.956	(1.087)	65677	0.58483	0.29

e. Matrix Spike Duplicate Data

- Tabulated Results (Form I SV)

- Chromatogram and quantitation report

1BCWC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:
Client SDG No: 1005187
Client Sample ID: BBG-GW02MSD

Lab Project Number:
Method: 8270C-SIM
Date Collected: 05/27/10

Lab Sample ID: 0052804-MSD1
Sample wt/vol: 1000 (g/mL) ML
Level: (low/med) LOW

Date Received: 05/27/10
Lab File ID: 0052804-MSD1A68
Analyst: OWS

% Moisture: _____ decanted: (Y/N)___
Concentrated Extract Volume: 1000(uL)
Injection Volume: 2.0(uL)
GPC Cleanup: (Y/N) N
Method Blank: 0052804-BLK1

Date Extracted: 05/28/10
Date Analyzed: 07/13/10
Dilution Factor: 1.0

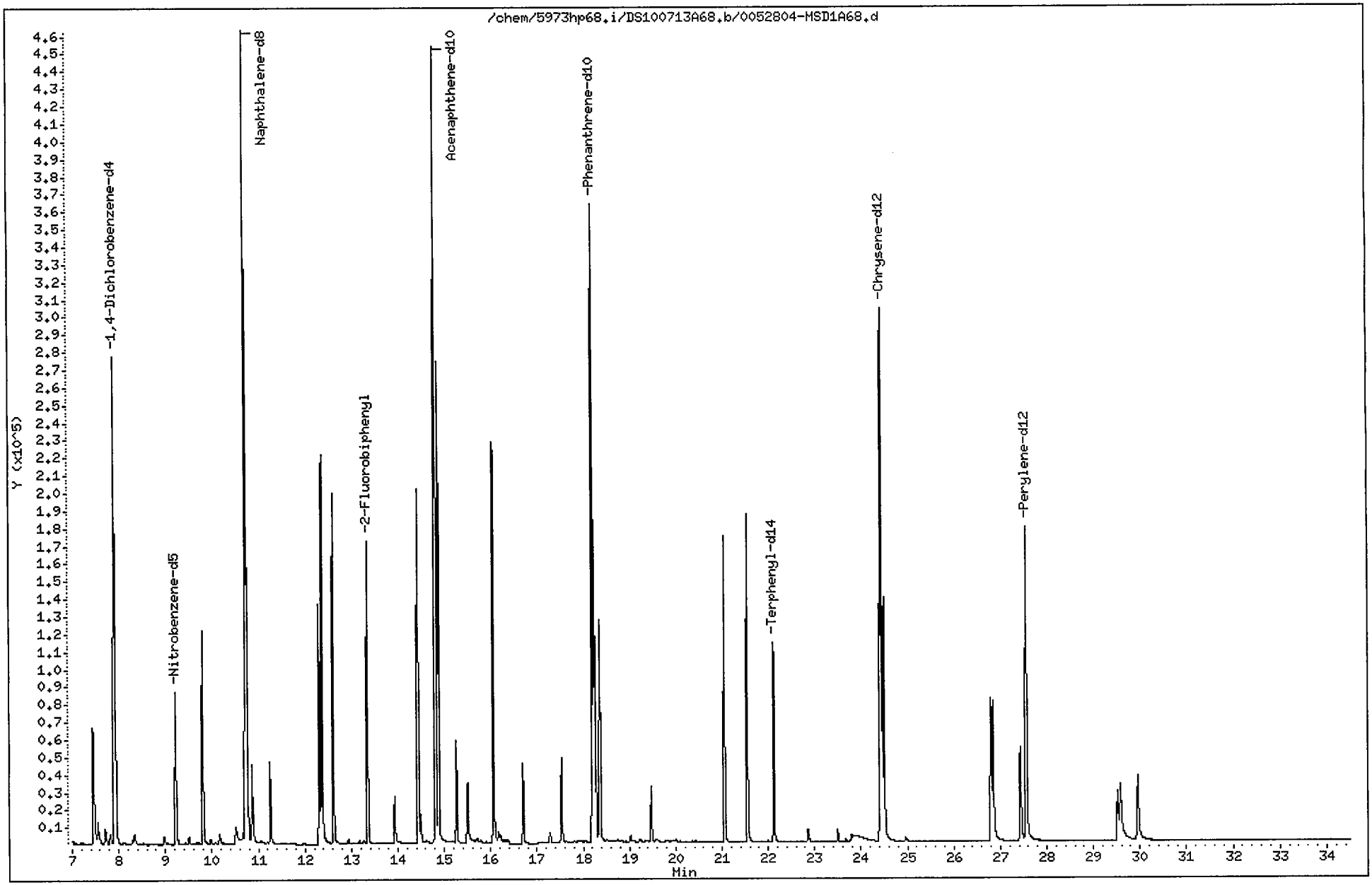
CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
91-20-3	Naphthalene	0.030	0.20	0.35	
91-57-6	2-Methylnaphthalene	0.015	0.20	0.35	
208-96-8	Acenaphthylene	0.0100	0.20	0.34	
83-32-9	Acenaphthene	0.035	0.20	0.35	
86-73-7	Fluorene	0.045	0.20	0.36	
85-01-8	Phenanthrene	0.035	0.20	0.39	
120-12-7	Anthracene	0.020	0.20	0.36	
206-44-0	Fluoranthene	0.0100	0.20	0.43	
129-00-0	Pyrene	0.0100	0.20	0.34	
56-55-3	Benzo(a)anthracene	0.020	0.20	0.40	
218-01-9	Chrysene	0.015	0.20	0.41	
205-99-2	Benzo(b)fluoranthene	0.0100	0.20	0.41	
207-08-9	Benzo(k)fluoranthene	0.0100	0.20	0.42	
50-32-8	Benzo(a)pyrene	0.0100	0.20	0.36	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0100	0.20	0.28	
53-70-3	Dibenzo(a,h)anthracene	0.0100	0.20	0.31	
191-24-2	Benzo(g,h,i)perylene	0.0100	0.20	0.34	

ND = Not Detected
Q = Qualifier

FORM I SV-1

Data File: /chem/5973hp68.i/DS100713A68.b/0052804-MSD1A68.d
Date : 13-JUL-2010 17:10
Client ID: BBG-GW02MSD
Sample Info: 0052804-MSD1:OWS
Volume Injected (uL): 2.0
Column phase: Rtx-5MS

Instrument: 5973hp68.i
Operator: OWS
Column diameter: 0.32



Data File: /chem/5973hp68.i/DS100713A68.b/0052804-MSD1A68.d
Report Date: 14-Jul-2010 15:23

CompuChem

Semivolatile Report SW-846 Method 8270C

Data file : /chem/5973hp68.i/DS100713A68.b/0052804-MSD1A68.d
Lab Smp Id: 0052804-MSD1 Client Smp ID: BBG-GW02MSD
Inj Date : 13-JUL-2010 17:10
Operator : OWS Inst ID: 5973hp68.i
Smp Info : 0052804-MSD1:OWS
Misc Info : BBG-GW02MSD
Comment : 2008 MDLS Selective Ion Monitoring (SIM) - 2 uL
Method : /chem/5973hp68.i/DS100713A68.b/SIM_8270Cv3DOD.m
Meth Date : 14-Jul-2010 15:22 byrd Quant Type: ISTD
Cal Date : 12-JUL-2010 20:33 Cal File: 0G12007-CAL5A68.d
Als bottle: 9 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PAH.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
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* 5 Chrysene-d12	240	24.444	24.448	(1.000)	465441	2.00000	
* 6 Perylene-d12	264	27.558	27.563	(1.000)	295134	2.00000	
$ 9 Nitrobenzene-d5	82	9.223	9.221	(0.860)	109923	0.75637	0.38
$ 10 2-Fluorobiphenyl	172	13.354	13.354	(0.901)	195133	0.72975	0.36
$ 12 Terphenyl-d14	244	22.125	22.125	(0.905)	157480	0.73443	0.37
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21 Fluorene	166	16.064	16.064	(1.084)	183558	0.72951	0.36
25 Phenanthrene	178	18.260	18.260	(1.003)	255652	0.78052	0.39

07/14/10

Data File: /chem/5973hp68.i/DS100713A68.b/0052804-MSD1A68.d
Report Date: 14-Jul-2010 15:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
26 Anthracene	178	18.367	18.367	(1.008)	216909	0.71258	0.36
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28 Pyrene	202	21.552	21.552	(0.882)	267773	0.67049	0.34
29 Benzo(a)anthracene	228	24.409	24.409	(0.999)	193788	0.79018	0.40
30 Chrysene	228	24.501	24.505	(1.002)	199900	0.81381	0.41
31 Benzo(b)fluoranthene	252	26.797	26.797	(0.972)	140003	0.81424	0.41
32 Benzo(k)fluoranthene	252	26.845	26.845	(0.974)	158510	0.84745	0.42
33 Benzo(a)pyrene	252	27.436	27.436	(0.996)	106152	0.71736	0.36
34 Indeno(1,2,3-cd)pyrene	276	29.518	29.518	(1.071)	54201	0.55699	0.28
35 Dibenzo(a,h)anthracene	278	29.579	29.579	(1.073)	58191	0.61005	0.31
36 Benzo(g,h,i)perylene	276	29.956	29.956	(1.087)	78448	0.67704	0.34

CompuChem

A Division Of

Liberty Analytical Corp.

6/21/2010

REBEKHA SHAW

CH2M HILL, INC.

P.O. BOX 241329

DENVER, CO 80224

Subject:
Report of Data - Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM
WorkOrder: 1005187

Attn. REBEKHA SHAW

Enclosed are the results of analytical work performed in accordance with the referenced account number. This report covers sample(s) appearing on the listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097

Sincerely,

Compuchem

a division of Liberty Analytical Corporation

Attachment

TOTAL NUMBER

OF PAGES ____

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

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SDG NARRATIVE
SDG # 1005187

The 16 water samples were received intact between 0.9C and 5.1C, with proper documentations, in sealed shipping containers, on May 24th, 25th, 26th, and 27th, 2010. The samples were scheduled for the requested analyses of the Wet Chemistry fraction. The samples were analyzed, in accordance with current EPA methods, for the analytes requested as per the COC, with the exceptions and/or additions requested by the client.

SAMPLE IDs:
The cover page contained in this package lists the client ID's and the associated CompuChem numbers which are part of this SDG.

INSTRUMENTAL QUALITY CONTROL:
All calibration verification solutions (ICV & CCV), blanks (ICB, & CCB), associated with this data were confirmed to be within allowable limits.

SAMPLE PREPARATION QUALITY CONTROL:
The sample preparation procedure verifications (LCS/LCS Dup & Blank) were found to be within acceptable ranges. All field samples were prepared and analyzed within the contract specified holding times.

MATRIX RELATED QUALITY CONTROL:
BBG-GW02 *(1005187-14)* was requested to use as the original to prepare the matrix spike and matrix spike duplicate.

I certify that this Sample Data Package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy Sample Data Package and in the electronic data deliverable has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Preeti Khare
Data Reviewer I
June 21st, 2010

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/21/2010 15:04

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BBG-GW10	1005187-01	Water	05/24/2010 13:30	05/24/2010 16:15
FB-052510	1005187-02	Water	05/25/2010 09:40	05/25/2010 20:25
BBG-GW01	1005187-03	Water	05/25/2010 10:10	05/25/2010 20:25
EB1-052510	1005187-04	Water	05/25/2010 17:00	05/25/2010 20:25
BBG-GW03	1005187-05	Water	05/25/2010 16:35	05/25/2010 20:25
EB2-052510	1005187-06	Water	05/25/2010 10:35	05/25/2010 20:25
BBG-GW09	1005187-07	Water	05/26/2010 11:30	05/26/2010 19:45
BBG-GW09D	1005187-08	Water	05/26/2010 11:35	05/26/2010 19:45
BBG-GW08	1005187-09	Water	05/26/2010 14:45	05/26/2010 19:45
BBG-GW07	1005187-10	Water	05/27/2010 08:30	05/27/2010 20:05
EB1-052710	1005187-11	Water	05/27/2010 15:25	05/27/2010 20:05
BBG-GW04	1005187-12	Water	05/27/2010 11:30	05/27/2010 20:05
BBG-GW03UCH	1005187-13	Water	05/27/2010 14:10	05/27/2010 20:05
BBG-GW02	1005187-14	Water	05/27/2010 14:00	05/27/2010 20:05
EB2-052710	1005187-15	Water	05/27/2010 15:45	05/27/2010 20:05
EB3-052710	1005187-16	Water	05/27/2010 15:45	05/27/2010 20:05

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CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/21/2010 15:04

BBG-GW10

1005187-01 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	ND		5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	10.0	ug/L	1	0060138	05/25/2010 10:15	05/25/2010 10:31	EPA 7196A
Trivalent Chromium	ND		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	Calc

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Preeti Khare For Cathy Dover, Project Manager

CompuChem
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CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/21/2010 15:04

FB-052510

1005187-02 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	ND		5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	10.0	ug/L	1	0060138	05/26/2010 09:00	05/26/2010 10:00	EPA 7196A
Trivalent Chromium	ND		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	Calc

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Preeti Khare For Cathy Dover, Project Manager

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/21/2010 15:04

BBG-GW01

1005187-03 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	**7.00**		5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	10.0	ug/L	1	0060138	05/26/2010 09:00	05/26/2010 10:01	EPA 7196A
Trivalent Chromium	**7.00**		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	Calc

CompuChem
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Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/21/2010 15:04

EB1-052510

1005187-04 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	ND		5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**1.25**	J, B	10.0	ug/L	1	0060138	05/26/2010 09:00	05/26/2010 10:02	EPA 7196A
Trivalent Chromium	ND		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	Calc

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Preeti Khare For Cathy Dover, Project Manager

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/21/2010 15:04

BBG-GW03
1005187-05 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	ND		5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	10.0	ug/L	1	0060138	05/26/2010 09:00	05/26/2010 10:03	EPA 7196A
Trivalent Chromium	ND		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	Calc

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/21/2010 15:04

EB2-052510

1005187-06 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	ND		5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	10.0	ug/L	1	0060138	05/26/2010 09:00	05/26/2010 10:04	EPA 7196A
Trivalent Chromium	ND		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	Calc

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/21/2010 15:04

BBG-GW09

1005187-07 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	**44.0**		5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	10.0	ug/L	1	0060138	05/27/2010 08:59	05/27/2010 09:24	EPA 7196A
Trivalent Chromium	**44.0**		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	Calc

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Preeti Khare For Cathy Dover, Project Manager

CompuChem
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Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/21/2010 15:04

BBG-GW09D

1005187-08 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	**7.10**		5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	10.0	ug/L	1	0060138	05/27/2010 08:59	05/27/2010 09:25	EPA 7196A
Trivalent Chromium	**7.10**		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	Calc

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Preeti Khare For Cathy Dover, Project Manager

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/21/2010 15:04

BBG-GW08
1005187-09 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	**5.50**		5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	10.0	ug/L	1	0060138	05/27/2010 08:59	05/27/2010 09:26	EPA 7196A
Trivalent Chromium	**5.50**		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	Calc

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/21/2010 15:04

BBG-GW07

1005187-10 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	ND		5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**10.6**	B	10.0	ug/L	1	0060138	05/28/2010 07:59	05/28/2010 08:30	EPA 7196A
Trivalent Chromium	ND		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	Calc

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Preeti Khare For Cathy Dover, Project Manager

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/21/2010 15:04

EB1-052710

1005187-11 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	ND		5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**2.27**	J, B	10.0	ug/L	1	0060138	05/28/2010 07:59	05/28/2010 08:30	EPA 7196A
Trivalent Chromium	ND		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	Calc

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/21/2010 15:04

BBG-GW04

1005187-12 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	ND		5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**1.66**	J, B	10.0	ug/L	1	0060138	05/28/2010 07:59	05/28/2010 08:31	EPA 7196A
Trivalent Chromium	ND		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	Calc

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Preeti Khare For Cathy Dover, Project Manager

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/21/2010 15:04

BBG-GW03UCH

1005187-13 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	ND		5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**1.73**	J, B	10.0	ug/L	1	0060138	05/28/2010 07:59	05/28/2010 08:32	EPA 7196A
Trivalent Chromium	ND		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	Calc

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/21/2010 15:04

BBG-GW02

1005187-14 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	ND		5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**5.19**	J, B	10.0	ug/L	1	0060138	05/28/2010 07:59	05/28/2010 08:33	EPA 7196A
Trivalent Chromium	ND		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	Calc

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Preeti Khare For Cathy Dover, Project Manager

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/21/2010 15:04

EB2-052710

1005187-15 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	ND		5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**1.72**	J, B	10.0	ug/L	1	0060138	05/28/2010 07:59	05/28/2010 08:34	EPA 7196A
Trivalent Chromium	ND		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	Calc

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DI	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/21/2010 15:04

EB3-052710

1005187-16 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	ND		5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**2.32**	J, B	10.0	ug/L	1	0060138	05/28/2010 07:59	05/28/2010 08:35	EPA 7196A
Trivalent Chromium	ND		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	Calc

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Preeti Khare For Cathy Dover, Project Manager

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/21/2010 15:04

WET CHEMISTRY PARAMETERS - Quality Control

COMPUCHEM

Analyte	Result		Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0060138 - Default Prep GenChem											
Blank (0060138-BLK1)					Prepared: 05/25/2010 10:15 Analyzed: 05/25/2010 10:19						
Hexavalent Chromium	ND	U	10.0	ug/L							
Blank (0060138-BLK2)					Prepared: 05/26/2010 09:00 Analyzed: 05/26/2010 09:58						
Hexavalent Chromium	ND	U	10.0	ug/L							
Blank (0060138-BLK3)					Prepared: 05/27/2010 08:59 Analyzed: 05/27/2010 09:21						
Hexavalent Chromium	ND	U	10.0	ug/L							
Blank (0060138-BLK4)					Prepared: 05/28/2010 07:59 Analyzed: 05/28/2010 08:27						
Hexavalent Chromium	1.83	J	10.0	ug/L							
LCS (0060138-BS1)					Prepared: 05/25/2010 10:15 Analyzed: 05/25/2010 10:20						
Hexavalent Chromium	256	B	10.0	ug/L	250.0		103	90-110			
LCS (0060138-BS2)					Prepared: 05/26/2010 09:00 Analyzed: 05/26/2010 09:58						
Hexavalent Chromium	253	B	10.0	ug/L	250.0		101	90-110			
LCS (0060138-BS3)					Prepared: 05/27/2010 09:00 Analyzed: 05/27/2010 09:22						
Hexavalent Chromium	247	B	10.0	ug/L	250.0		99.0	90-110			
LCS (0060138-BS4)					Prepared: 05/28/2010 08:00 Analyzed: 05/28/2010 08:28						
Hexavalent Chromium	250	B	10.0	ug/L	250.0		99.9	90-110			
LCS Dup (0060138-BSD1)					Prepared: 05/25/2010 10:15 Analyzed: 05/25/2010 10:21						
Hexavalent Chromium	252	B	10.0	ug/L	250.0		101	90-110	1.85	20	
LCS Dup (0060138-BSD2)					Prepared: 05/26/2010 09:00 Analyzed: 05/26/2010 09:59						
Hexavalent Chromium	254	B	10.0	ug/L	250.0		102	90-110	0.229	20	

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/21/2010 15:04

WET CHEMISTRY PARAMETERS - Quality Control

COMPUCHEM

Analyte	Result		Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0060138 - Default Prep GenChem											
LCS Dup (0060138-BSD3)					Prepared: 05/27/2010 09:00 Analyzed: 05/27/2010 09:23						
Hexavalent Chromium	249	B	10.0	ug/L	250.0		99.5	90-110	0.536	20	
LCS Dup (0060138-BSD4)					Prepared: 05/28/2010 08:00 Analyzed: 05/28/2010 08:29						
Hexavalent Chromium	247	B	10.0	ug/L	250.0		98.8	90-110	1.16	20	
Matrix Spike (0060138-MS1)		**Source: 1005187-14**			Prepared: 05/28/2010 11:00 Analyzed: 05/28/2010 11:01						
Hexavalent Chromium	114	B	10.0	ug/L	100.0	5.19	109	75-125			
Matrix Spike Dup (0060138-MSD1)		**Source: 1005187-14**			Prepared: 05/28/2010 11:00 Analyzed: 05/28/2010 11:02						
Hexavalent Chromium	114	B	10.0	ug/L	100.0	5.19	108	75-125	0.291	20	

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Preeti Khare For Cathy Dover, Project Manager

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	06/21/2010 15:04

Notes and Definitions

U	The compound was analyzed for but not detected (CLP U-flag).
J	Compound detected below the Reporting Limit; therefore, result is an estimated concentration (CLP J-flag).
B	Analyte is found in associated blank as well as in the sample (CLP B-flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Default Report (not modified)
			VERSION 6.04:2002
	HEXAVALENT CHROMIU	(Water)	B-Flags used
	HEXAVALENT CHROMIU	(Water)	D-Flags used
	HEXAVALENT CHROMIU	(Water)	J-Flags used
	HEXAVALENT CHROMIU	(Water)	Result calculations based on MDL
	HEXAVALENT CHROMIU	(Water)	Special Units: (ug/L)
	HEXAVALENT CHROMIU	(Water)	U-Flags used
	Total Cr by Metals	(Water)	B-Flags used
	Total Cr by Metals	(Water)	J-Flags used
	Total Cr by Metals	(Water)	Result calculations based on MDL
	Total Cr by Metals	(Water)	RPD calculations based on %Recovery
	Total Cr by Metals	(Water)	Special Units: (ug/L)
	TRIVALENT CHROMIUM	(Water)	B-Flags used
	TRIVALENT CHROMIUM	(Water)	D-Flags used
	TRIVALENT CHROMIUM	(Water)	J-Flags used
	TRIVALENT CHROMIUM	(Water)	Result calculations based on MDL
	TRIVALENT CHROMIUM	(Water)	U-Flags used
0060138-BLK4	HEXAVALENT CHROMIU	Hexavalent Chromium	Blank >1 x MDL

Maintenance: NA

Method(s) HEXAVALENT CHROMIUM 7196A

Operator(s): MM Date/Time 5-25-10/10:08 to 5-25-10/10:25

Printed: 6/10/2010 12:13:55 PM

↑	Specified element(s) fail(s) high
↓	Specified element(s) fail(s) low
RR	Re-run sample(s) neat
RR #X	Re-run at a #-fold dilution
#X	Sample run at a #-fold dilution (aliquot of sample diluted with acidified water)
L	Matrix = leachate
W	Matrix = water
S	Matrix = solid
B	Matrix = biological tissue

SDG	Matrix	Comments
1005187	H2O	Not Filtered

Batch
0060138

Lachat C2 Run Log

File Name: 0525CR61

Cup	Sample ID	Client ID	Sample Type	DF	Date	Time	Results	Comments
1	CAL8	S400	CALIB STD	1	05/25/2010	10:09:43	5849097.0	
2	CAL6	S200	CALIB STD	1	05/25/2010	10:10:35	2932972.0	
3	CAL5	S100	CALIB STD	1	05/25/2010	10:11:28	1443962.0	
4	CAL4	S50	CALIB STD	1	05/25/2010	10:12:22	744010.0	
5	CAL3	S20	CALIB STD	1	05/25/2010	10:13:16	330338.0	
6	CAL2	S10	CALIB STD	1	05/25/2010	10:14:10	161192.0	
7	CAL1	S0	CALIB STD	1	05/25/2010	10:15:05	20967.0	
13	ICV	ICV	ICV	1	05/25/2010	10:16:57	250.8244	
14	ICB	ICB	ICB	1	05/25/2010	10:17:52	0.3290	
1	0060138-BLK1	0060138-BLK1	BLANK	1	05/25/2010	10:19:46	0.3313	
2	0060138-BS1	0060138-BS1	LCS	1	05/25/2010	10:20:40	256.3249	
3	0060138-BSD1	0060138-BSD1	LCS DUP	1	05/25/2010	10:21:34	251.6192	
4	BBG-GW10-10B	BBG-GW10-10B	SAMPLE	1	05/25/2010	10:22:27	13.7285	
2	CCV1	CCV	CCV	1	05/25/2010	10:23:19	201.5021	
7	CCB1	CCB	CCB	1	05/25/2010	10:24:14	0.2610	

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP 0.2610has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Reviewed By: _____ Date: 6-17-10

Maintenance: N/A

Method(s) Cr 6+

Operator(s): JM Date/Time 5-25-10/10:21 to 5-25-10/10:34

Printed: 6/10/2010 12:14:24 PM

↑	Specified element(s) fail(s) high
↓	Specified element(s) fail(s) low
RR	Re-run sample(s) neat
RR #X	Re-run at a #-fold dilution
#X	Sample run at a #-fold dilution (aliquot of sample diluted with acidified water)
L	Matrix = leachate
W	Matrix = water
S	Matrix = solid
B	Matrix = biological tissue

SDG	Matrix	Comments
1005187	Water	

Batch

Lachat C2 Run Log

File Name: 0525CR62

Cup	Sample ID	Client ID	Sample Type	DF	Date	Time	Results	Comments
2	CCV1	CCV	CCV	1	05/25/2010	10:29:10	201.4269	
7	CCB1	CCB	CCB	1	05/25/2010	10:30:05	-1.0478	
1	1005187-01	BBG-GW10	SAMPLE	1	05/25/2010	10:31:57	0.2624	
2	CCV2	CCV	CCV	1	05/25/2010	10:32:50	200.4462	
7	CCB2	CCB	CCB	1	05/25/2010	10:33:44	-0.7049	

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP -0.7049has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Reviewed By: [signature] Date: 6-17-10

Maintenance: NA

Method(s) HEXAVALENT CHROMIUM 7196A

Operator(s): [signature] Date/Time 5-26-10/09:47 to 5-26-10/10:07

Printed: 6/10/2010 12:14:43 PM

↑	Specified element(s) fail(s) high
↓	Specified element(s) fail(s) low
RR	Re-run sample(s) neat
RR #X	Re-run at a #-fold dilution
#X	Sample run at a #-fold dilution (aliquot of sample diluted with acidified water)
L	Matrix = leachate
W	Matrix = water
S	Matrix = solid
B	Matrix = biological tissue

SDG	Matrix	Comments
1005187	Water	

Batch
0060138

Lachat C2 Run Log

File Name: 0526CR6A

Cup	Sample ID	Client ID	Sample Type	DF	Date	Time	Results	Comments
1	CAL8	S400	CALIB STD	1	05/26/2010	09:47:58	5771326.0	
2	CAL6	S200	CALIB STD	1	05/26/2010	09:48:51	2936538.0	
3	CAL5	S100	CALIB STD	1	05/26/2010	09:49:43	1446340.0	
4	CAL4	S50	CALIB STD	1	05/26/2010	09:50:37	742321.0	
5	CAL3	S20	CALIB STD	1	05/26/2010	09:51:31	341676.0	
6	CAL2	S10	CALIB STD	1	05/26/2010	09:52:26	166013.0	
7	CAL1	S0	CALIB STD	1	05/26/2010	09:53:20	7931.0	
13	ICV	ICV	ICV	1	05/26/2010	09:55:14	248.4569	
14	ICB	ICB	ICB	1	05/26/2010	09:56:09	-0.7901	
1	0060138-BLK2	0060138-BLK2	BLANK	1	05/26/2010	09:58:01	-0.1432	
2	0060138-BS2	0060138-BS2	LCS	1	05/26/2010	09:58:55	253.2075	
3	0060138-BSD2	0060138-BSD2	LCS DUP	1	05/26/2010	09:59:49	253.7890	
4	1005187-02	FB-052510	SAMPLE	1	05/26/2010	10:00:43	-0.5167	
5	1005187-03	BBG-GW01	SAMPLE	1	05/26/2010	10:01:37	-1.0301	
6	1005187-04	EB1-052510	SAMPLE	1	05/26/2010	10:02:30	1.2454	
7	1005187-05	BBG-GW03	SAMPLE	1	05/26/2010	10:03:23	-1.2980	
8	1005187-06	EB2-052510	SAMPLE	1	05/26/2010	10:04:16	-1.1291	
2	CCV1	CCV	CCV	1	05/26/2010	10:05:09	201.3357	
7	CCB1	CCB	CCB	1	05/26/2010	10:06:03	-1.0387	

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP 1.0387has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Reviewed By: [signature] Date: 6-17-10

Maintenance: NA

Method(s) HEXAVALENT CHROMIUM 7196A

Operator(s): [signature] Date/Time 5-27-10/09:11 to 5-27-10/09:28

Printed: 6/10/2010 12:15:27 PM

↑	Specified element(s) fail(s) high
↓	Specified element(s) fail(s) low
RR	Re-run sample(s) neat
RR #X	Re-run at a #-fold dilution
#X	Sample run at a #-fold dilution (aliquot of sample diluted with acidified water)
L	Matrix = leachate
W	Matrix = water
S	Matrix = solid
B	Matrix = biological tissue

SDG	Matrix	Comments
1005187	Water	

Batch
0060138

Lachat C2 Run Log

File Name: 0527CR61

Cup	Sample ID	Client ID	Sample Type	DF	Date	Time	Results	Comments
1	CAL8	S400	CALIB STD	1	05/27/2010	09:11:32	5632751.0	
2	CAL6	S200	CALIB STD	1	05/27/2010	09:12:25	2913918.0	
3	CAL5	S100	CALIB STD	1	05/27/2010	09:13:17	1407491.0	
4	CAL4	S50	CALIB STD	1	05/27/2010	09:14:11	709212.0	
5	CAL3	S20	CALIB STD	1	05/27/2010	09:15:05	337497.0	
6	CAL2	S10	CALIB STD	1	05/27/2010	09:16:00	160736.0	
7	CAL1	S0	CALIB STD	1	05/27/2010	09:16:54	21680.0	
13	ICV	ICV	ICV	1	05/27/2010	09:18:48	247.7367	
14	ICB	ICB	ICB	1	05/27/2010	09:19:42	-1.4795	
1	0060138-BLK3	0060168-BLK3	BLANK	1	05/27/2010	09:21:35	0.4661	
2	0060138-BS3	0060168-BS3	LCS	1	05/27/2010	09:22:29	247.4128	
3	0060138-BSD3	0060168-BSD3	LCS DUP	1	05/27/2010	09:23:23	248.7419	
4	1005187-07	BBG-GW09	SAMPLE	1	05/27/2010	09:24:17	0.8079	
5	1005187-08	BBG-GW09D	SAMPLE	1	05/27/2010	09:25:11	-1.2000	
6	1005187-09	BBG-GW08	SAMPLE	1	05/27/2010	09:26:04	-0.0528	
2	CCV1	CCV	CCV	1	05/27/2010	09:26:56	200.7720	
7	CCB1	CCB	CCB	1	05/27/2010	09:27:51	-0.8572	

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP -0.8572has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Reviewed By: [signature] Date: 6/7/10

Maintenance: N/A

Method(s) HEXAVALENT CHROMIUM 7196A

Operator(s): JM Date/Time 5-27-10/08:17 to 5-27-10/08:37

Printed: 6/10/2010 12:16:04 PM

↑	Specified element(s) fail(s) high
↓	Specified element(s) fail(s) low
RR	Re-run sample(s) neat
RR #X	Re-run at a #-fold dilution
#X	Sample run at a #-fold dilution (aliquot of sample diluted with acidified water)
L	Matrix = leachate
W	Matrix = water
S	Matrix = solid
B	Matrix = biological tissue

SDG	Matrix	Comments
1005187	Water	

Batch
0060138

Lachat C2 Run Log

File Name: 0528CR62

Cup	Sample ID	Client ID	Sample Type	DF	Date	Time	Results	Comments
1	CAL8	S400	CALIB STD	1	05/28/2010	08:17:21	8755877.0	
2	CAL6	S200	CALIB STD	1	05/28/2010	08:18:13	4312075.0	
3	CAL5	S100	CALIB STD	1	05/28/2010	08:19:06	2210256.0	
4	CAL4	S50	CALIB STD	1	05/28/2010	08:19:59	930602.0	
5	CAL3	S20	CALIB STD	1	05/28/2010	08:20:53	461029.0	
6	CAL2	S10	CALIB STD	1	05/28/2010	08:21:48	235983.0	
7	CAL1	S0	CALIB STD	1	05/28/2010	08:22:43	16515.0	
13	ICV	ICV	ICV	1	05/28/2010	08:24:35	248.8898	
14	ICB	ICB	ICB	1	05/28/2010	08:25:30	1.9088	
1	0060138-BLK4	0060138-BLK4	BLANK	1	05/28/2010	08:27:23	1.8262	
2	0060138-BS4	0060138-BSD4	LCS	1	05/28/2010	08:28:17	249.8047	
3	0060138-BSD4	0060138-BS4	LCS DUP	1	05/28/2010	08:29:12	246.9316	
4	1005187-10	BBG-GW07	SAMPLE	1	05/28/2010	08:30:06	10.6462	
5	1005187-11	EB1-052710	SAMPLE	1	05/28/2010	08:30:59	2.2712	
6	1005187-12	BBG-GW04	SAMPLE	1	05/28/2010	08:31:52	1.6622	
7	1005187-13	BBG-GW03UCH	SAMPLE	1	05/28/2010	08:32:45	1.7294	
8	1005187-14	BBG-GW02	SAMPLE	1	05/28/2010	08:33:38	5.1887	
9	1005187-15	EB2-052710	SAMPLE	1	05/28/2010	08:34:31	1.7167	
10	1005187-16	EB3-052710	SAMPLE	1	05/28/2010	08:35:25	2.3193	
2	CCV1	CCV	CCV	1	05/28/2010	08:36:18	184.8955	

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP 184.8955has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Reviewed By: _____ Date: 6-17-10

Lachat C2 Run Log

File Name: 0528CR62

Cup	Sample ID	Client ID	Sample Type	DF	Date	Time	Results	Comments
7	CCB1	CCB	CCB	1	05/28/2010	08:37:12	2.1605	

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP 2.1605has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Reviewed By: _____ Date: 6-17-10

Maintenance: NP

Method(s) HEXAVALENT CHROMIUM 7196A

Operator(s): JM Date/Time 5-27-10 / 10:51 to 5-28-10 / 11:64

Printed: 6/10/2010 12:16:27 PM

↑	Specified element(s) fail(s) high
↓	Specified element(s) fail(s) low
RR	Re-run sample(s) neat
RR #X	Re-run at a #-fold dilution
#X	Sample run at a #-fold dilution (aliquot of sample diluted with acidified water)
L	Matrix = leachate
W	Matrix = water
S	Matrix = solid
B	Matrix = biological tissue

SDG	Matrix	Comments
1005187		MS - MSD

Batch
0060138

Lachat C2 Run Log

File Name: 0528CR67

Cup	Sample ID	Client ID	Sample Type	DF	Date	Time	Results	Comments
1	CAL8	S400	CALIB STD	1	05/28/2010	10:51:13	8162743.0	
2	CAL6	S200	CALIB STD	1	05/28/2010	10:52:05	3832927.0	
3	CAL5	S100	CALIB STD	1	05/28/2010	10:52:58	1856358.0	
4	CAL4	S50	CALIB STD	1	05/28/2010	10:53:51	759322.0	
5	CAL3	S20	CALIB STD	1	05/28/2010	10:54:45	431769.0	
6	CAL2	S10	CALIB STD	1	05/28/2010	10:55:40	445302.0	
7	CAL1	S0	CALIB STD	1	05/28/2010	10:56:35	252362.0	
13	ICV	ICV	ICV	1	05/28/2010	10:58:27	268.0263	
14	ICB	ICB	ICB	1	05/28/2010	10:59:22	0.6161	
1	0060138-MS1	BBG-GW02MS	MATRIX SPIKE	1	05/28/2010	11:01:15	113.9671	
2	0060138-MSD1	BBG-GW02MSD	MATRIX SPIKE	1	05/28/2010	11:02:09	113.6354	
2	CCV1	CCV	CCV	1	05/28/2010	11:03:02	188.8754	
7	CCB1	CCB	CCB	1	05/28/2010	11:03:57	0.5258	

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP 0.5258has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Reviewed By: _____ Date: 6-17-10

Standards/QC Preparation for Chromium (VI) on Lachat

Sequence Filename: 0525cr61, 0525cr62, 0526cr3A, 0527cr61, 0528cr62, 0528cr67

30

COMPUCHEM a Division of Liberty Analytical Corporation WORKSHEET 1 XXX 1

STANDARDS AND REAGENTS TRACEABILITY*	REF#	MANUFACTURER	LOT#	EXPIRATION DATE
Hexavalent Chromium, stock standard solution 1000 ug/ml	1u(6)1-18-2	Spcepure from Alfa Aesar	93-095848B	9/23/2010
2ND Source Hexavalent Chromium solution (1000mg/L)	1u(6)1-17-25	NSI	010709	01/31/11
Concentrated H_2SO_4	1m2-187-21	Caledon	68764	05/2012
Isopropanol	1u(6)1-18-11	VWR	080709C	12/16/2015
Diphenylcarbohydrazide	1U(6)1-15-22	J.T. Baker	G33614	11/20/2013

REAGENT/STANDARD LOT NUMBER**	PREPARATION INSTRUCTIONS
Color Reagent – 05 25 10 jm	Dissolve 0.20g of diphenylcarbazide in 100 mL of isopropanol in a 500 mL volumetric flask. Stir with a magnetic stirrer until dissolved. Add approximately 350 mL DI H_2O and 40 mL concentrated H_2SO_4 and dilute to the line with DI H_2O. Mix with a magnetic stirrer. This solution is stable for one month. Note: This solution will gradually change from colorless to tan. This will not affect its use.
Chromium (VI) Intermd. Std. A (10 ppm) - 05 25 10 jm	Place in a 100-ml volumetric flask: 1.0 mls of the Hexavalent Chromium, stock standard solution 1000 ug/ml Dilute to mark with deionized water. Prepare fresh yearly.
Chromium (VI) standard (400 ppb) – 05 25 10 jm	Place in a 100-ml volumetric flask: 4.0 ml of chromium (VI) stock intermediate standard A Dilute to mark with deionized water. Prepare fresh weekly or more often as needed.
Chromium (VI) standard (200 ppb) – 05 25 10 jm	Place in a 100-ml volumetric flask: 2.0 ml of chromium (VI) intermediate standard A Dilute to mark with deionized water. Prepare fresh weekly or more often as needed.
Chromium (VI) standard (100 ppb) – 05 25 10 jm	Place in a 100-ml volumetric flask: 1.0 ml of chromium (VI) intermediate standard A Dilute to mark with deionized water. Prepare fresh weekly or more often as needed
Chromium (VI) standard (50 ppb) – 05 25 10 jm	Place in a 100-ml volumetric flask: 0.5 ml of chromium (VI) intermediate standard A Dilute to mark with deionized water. Prepare fresh weekly or more often as needed
Chromium (VI) standard (20 ppb) – 05 25 10 jm	Place in a 100-ml volumetric flask: 0.2 ml of chromium (VI) intermediate standard A Dilute to mark with deionized water. Prepare fresh weekly or more often as needed
Chromium (VI) standard (10 ppb) – 05 25 10 jm **used for LOD & LOQ**	Place in a 100-ml volumetric flask: 0.1 ml of chromium (VI) intermediate standard A Dilute to mark with deionized water. Prepare fresh weekly or more often as needed
Chromium (VI) standard (5 ppb) – 05 13 10 jm **used for MDLS**	Perform a 2x dilution on the Chromium (VI) standard 10 ppb standard

Standards/QC Preparation for Chromium (VI) on Lachat

Sequence Filename: Cr-1

COMPUCHEM a Division of Liberty Analytical Corporation WORKSHEET 1 XXX 1

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REAGENT/STANDARD LOT NUMBER**	PREPARATION INSTRUCTIONS
Chromium (VI) ICV Solution (250 ppb) – 05 25 10 jm	Place in a 100-ml volumetric flask: 2.5 ml of 2ND Source Hexavalent Chromium solution (1000mg/L)Dilute to mark with deionized water. Prepare fresh weekly or more often as needed

*Ref# = Logbook ID, Page number, and item number from Materials Receipt Log
**Standard Lot Number consists of standard ID, date prepared, and initials of preparer.

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Standard Solutions Prepared and Entered By: _____ Date: 5-28-10

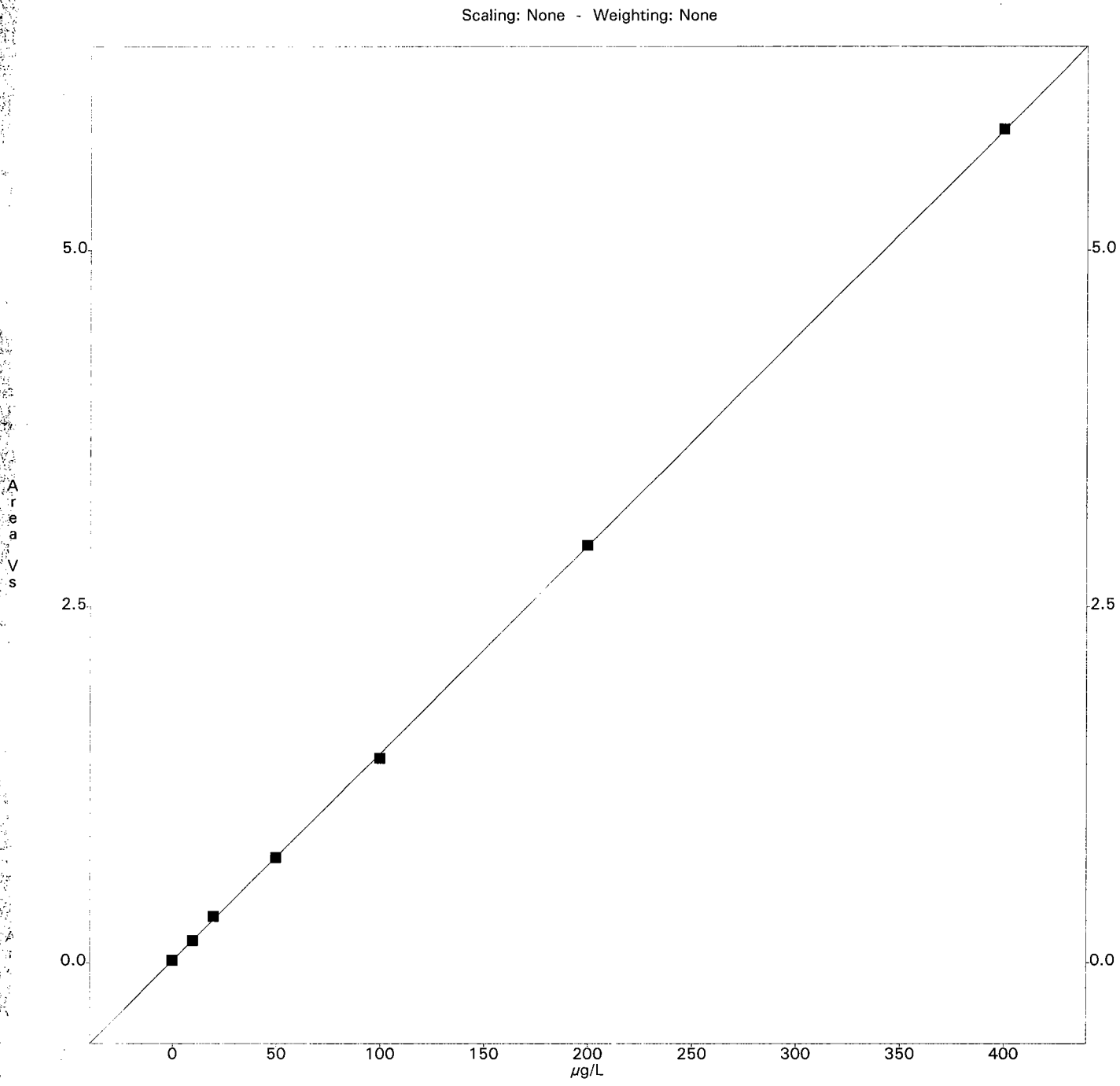
Reviewed By: _____ Date: 6-17-10

8/25/08:vr

Hexavalent Chromium

Lvl	Area	µg/L	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Replic STD	Replic % RSD	Residual 1st Poly
1	5849097	400	5849097					0.0	0.0	-0.1
2	2932972	200	2932972					0.0	0.0	-0.1
3	1443962	100	1443962					0.0	0.0	2.1
4	744010	50	744010					0.0	0.0	0.2
5	330338	20	330338					0.0	0.0	-7.5
6	161192	10	161192					0.0	0.0	1.2
7	20967	0	20967					0.0	0.0	

1st Order Poly
Conc = 6.865e-005 Area - 1.181e+000
r = 1.0000

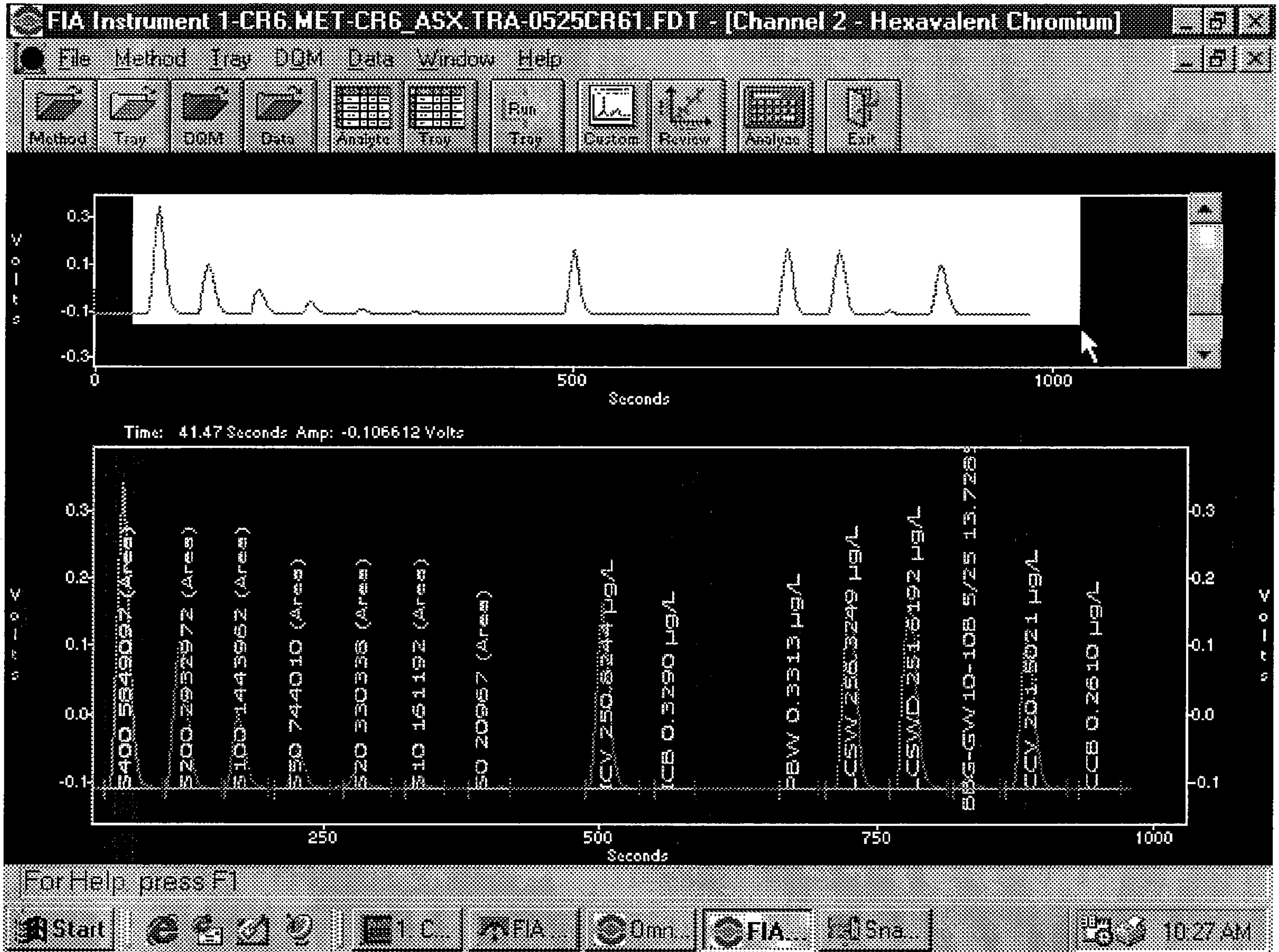


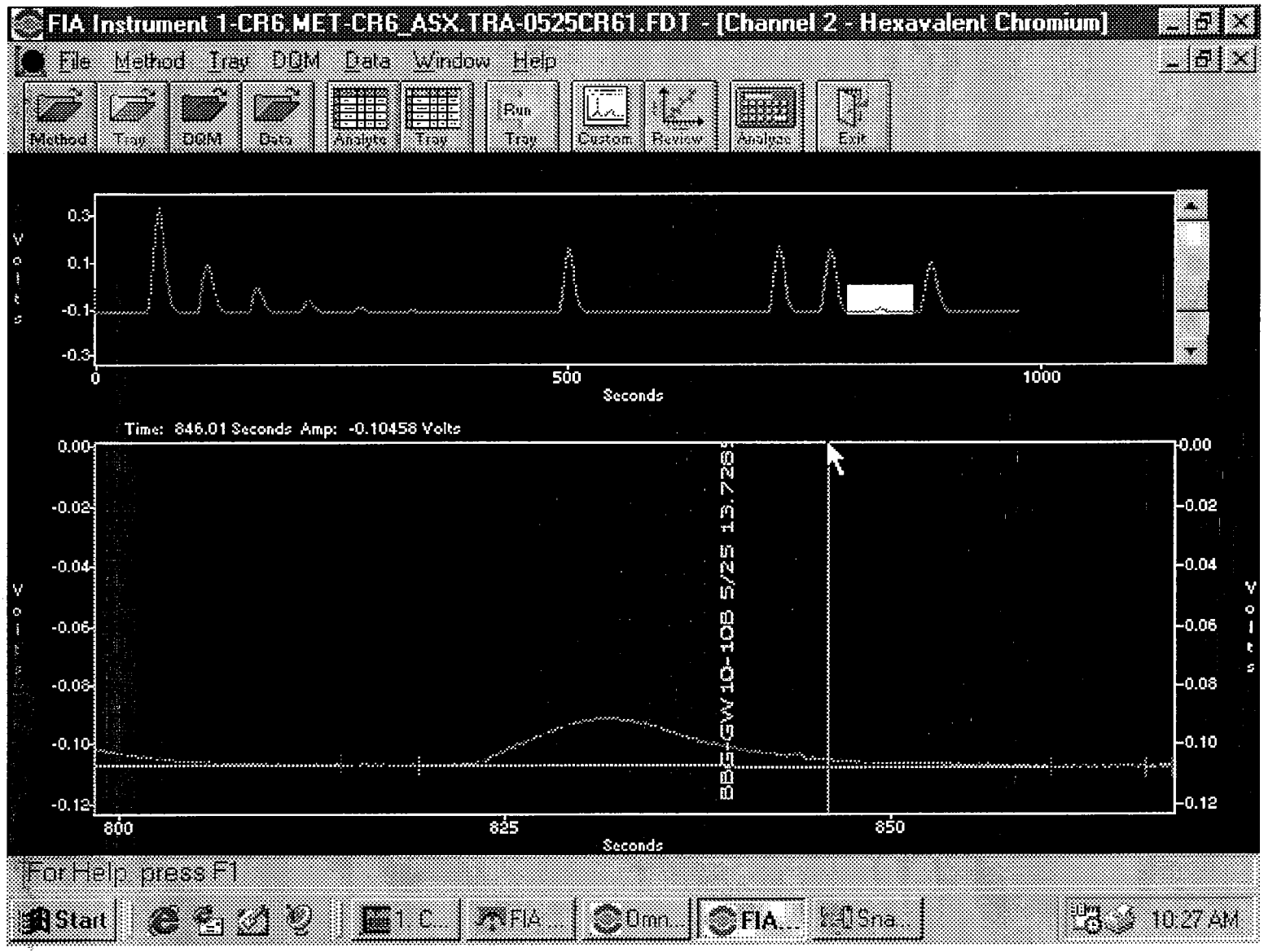
Printed: Tuesday, May 25, 2010 - 10:27 AM

INSTRUMENT: C2
TRAY: CR6_ASX.TRA METHOD: CR6.MET DATAFILE: 0525CR61.FDT
DATE/TIME: Tue May 25 10:09:42 2010 OPERATOR: Joe Mohn

*** Begin Calibration ***
Cup# 1 Sample: S400 Type: CalStd Level: 1 Rep# 1/1
Ch 2: Hexavalent Chromium Peak Area = 5849097.0 µv-s
Cup# 2 Sample: S200 Type: CalStd Level: 2 Rep# 1/1
Ch 2: Hexavalent Chromium Peak Area = 2932972.0 µv-s
Cup# 3 Sample: S100 Type: CalStd Level: 3 Rep# 1/1
Ch 2: Hexavalent Chromium Peak Area = 1443962.0 µv-s
Cup# 4 Sample: S50 Type: CalStd Level: 4 Rep# 1/1
Ch 2: Hexavalent Chromium Peak Area = 744010.0 µv-s
Cup# 5 Sample: S20 Type: CalStd Level: 5 Rep# 1/1
Ch 2: Hexavalent Chromium Peak Area = 330338.0 µv-s
Cup# 6 Sample: S10 Type: CalStd Level: 6 Rep# 1/1
Ch 2: Hexavalent Chromium Peak Area = 161192.0 µv-s
Cup# 7 Sample: S0 Type: CalStd Level: 7 Rep# 1/1
Ch 2: Hexavalent Chromium Peak Area = 20967.0 µv-s
*** Updated Calibration ***
Ch 2: Hexavalent Chromium
** 1st Order Poly Calibration **
C[0] = 6.86493e-005
C[1] = -1.18122
r = 1.0000
*** End Calibration Block ***
*** Calibration Passed ***
***** Auto DQM Begin *****
*** Starting DQM Set INITIAL CAL ***
Cup# 13 Sample: ICV Type: RelChkStd Rep# 1/1
Ch 2: Hexavalent Chromium = 250.8244 µg/L
DQM Sample Results: ICV
Ch 2: Hexavalent Chromium = 250.8244 µg/L
Known Conc = 250.0000 ug/L - %Diff from Known = 0.3297%
Test 1: Passed
Cup# 14 Sample: ICB Type: Blank Rep# 1/1
Ch 2: Hexavalent Chromium = 0.3290 µg/L
DQM Sample Results: ICB
Ch 2: Hexavalent Chromium
Determined Conc = 0.3290 µg/L
Test 1: Passed
*** End of DQM Set INITIAL CAL - Set Passed ***
***** Auto DQM End *****
Cup# 1 Sample: PBW Type: Unknown Rep# 1/1
Ch 2: Hexavalent Chromium = 0.3313 µg/L
Cup# 2 Sample: LCSW Type: Unknown Rep# 1/1
Ch 2: Hexavalent Chromium = 256.3249 µg/L
Cup# 3 Sample: LCSWD Type: Unknown Rep# 1/1
Ch 2: Hexavalent Chromium = 251.6192 µg/L
Cup# 4 Sample: BBG-GW10-10B 5/25 Type: Unknown Rep# 1/1
Ch 2: Hexavalent Chromium = 13.7285 µg/L
***** Auto DQM Begin *****
*** Starting DQM Set CCV/CCB ***
Cup# 2 Sample: CCV Type: RelChkStd Rep# 1/1
Ch 2: Hexavalent Chromium = 201.5021 µg/L
DQM Sample Results: CCV
Ch 2: Hexavalent Chromium = 201.5021 µg/L
Known Conc = 200.0000 ug/L - %Diff from Known = 0.7510%
Test 1: Passed
Cup# 7 Sample: CCB Type: Blank Rep# 1/1
Ch 2: Hexavalent Chromium = 0.2610 µg/L
DQM Sample Results: CCB
Ch 2: Hexavalent Chromium
Determined Conc = 0.2610 µg/L
Test 1: Passed
*** End of DQM Set CCV/CCB - Set Passed ***
***** Auto DQM End *****

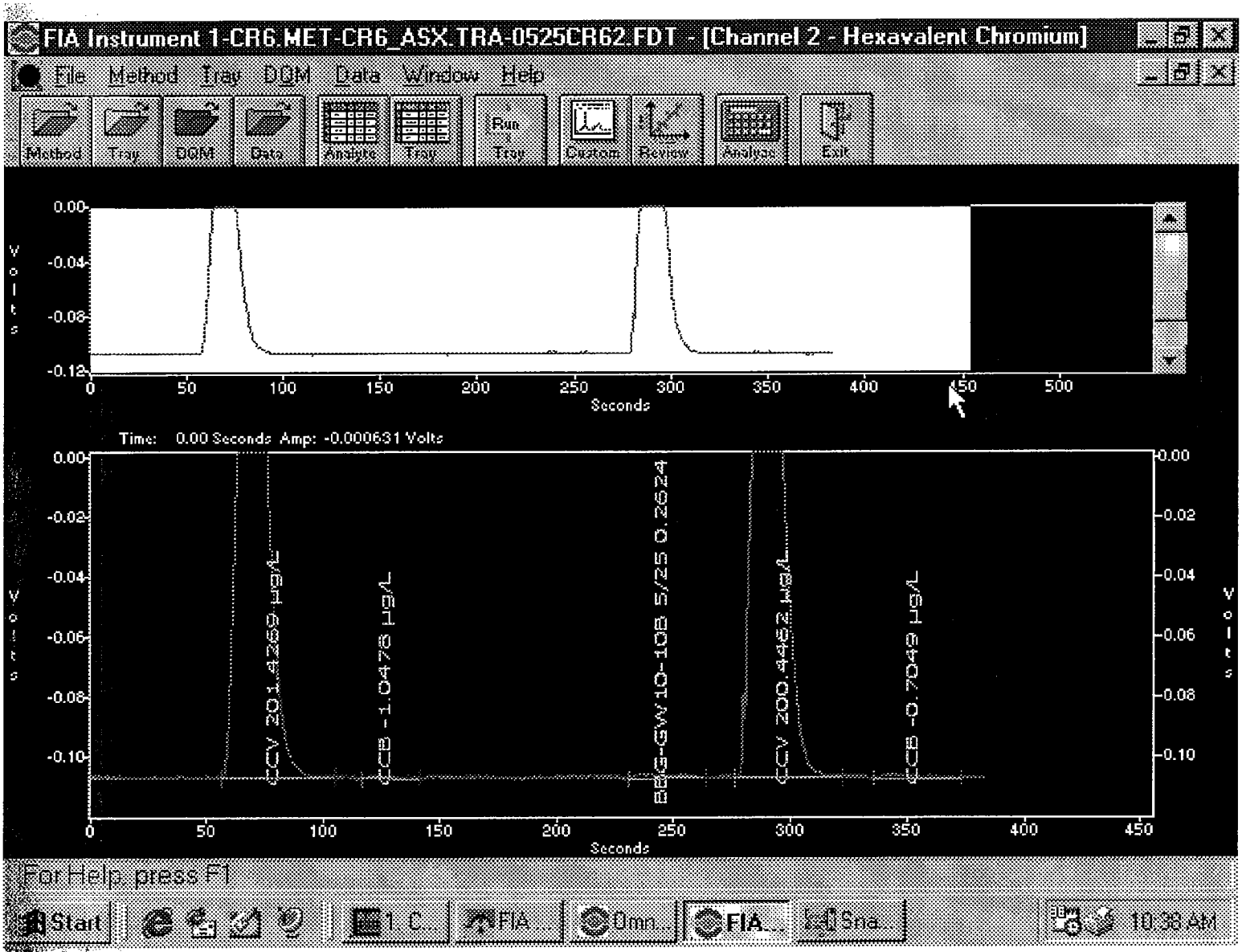
******* Tray Run Complete *******

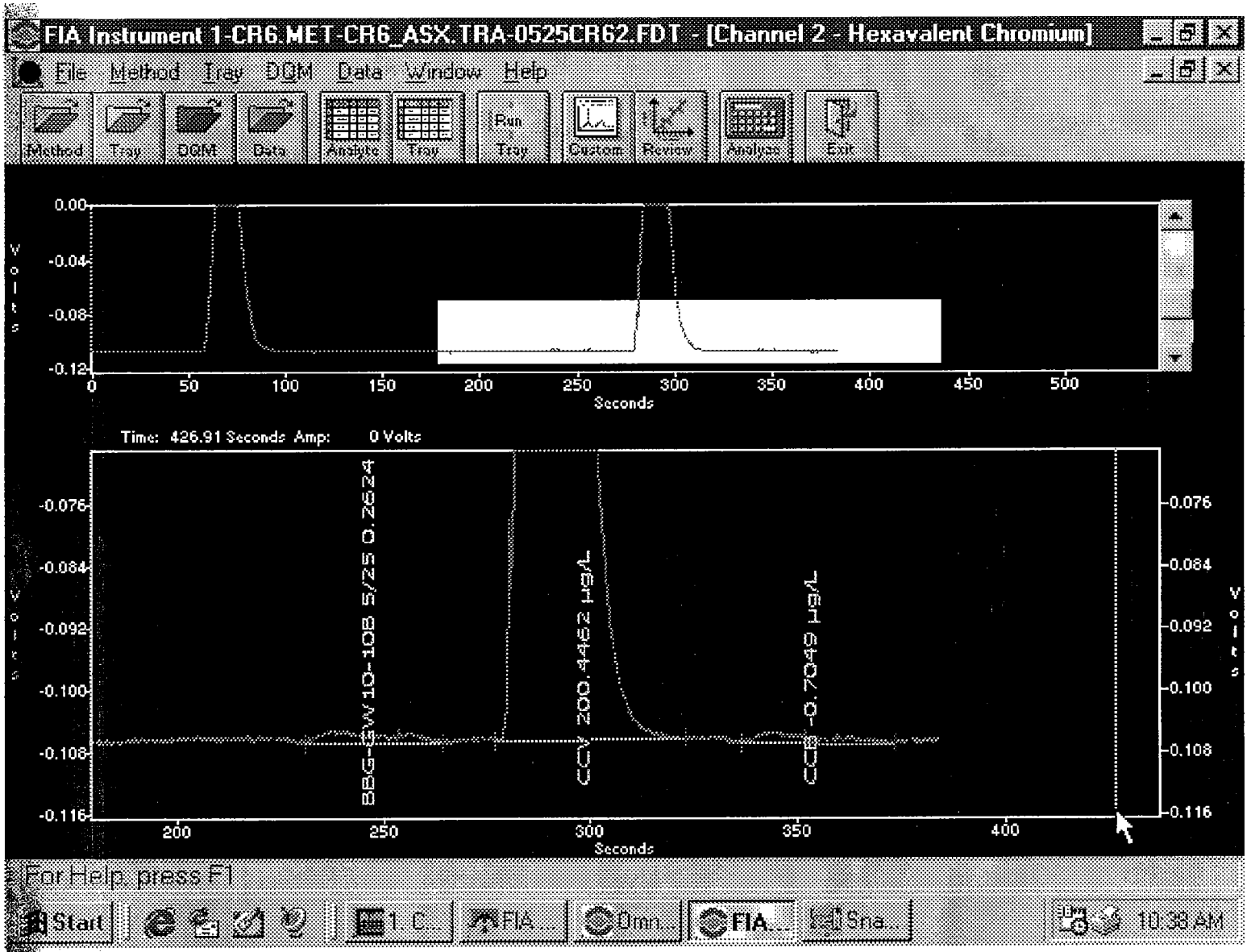

FIA Instrument 1-CR6.MET-CR6_ASX.TRA-0525CR61.FDT - [Channel 2 - Hexavalent Chromium]
File Method Tray DQM Data Window Help
Method Tray DQM Data Analyte Tray Run Tray Custom Review Analysis Exit
Volts
Seconds
Time: 41.47 Seconds Amp: -0.106612 Volts
S400 5849087 (Area)
S200 2952972 (Area)
S100 1443962 (Area)
S50 744010 (Area)
S20 330336 (Area)
S10 161192 (Area)
S0 20967 (Area)
ICV 250.6244 µg/L
ICB 0.3290 µg/L
PBW 0.3313 µg/L
LCSW 256.3249 µg/L
LCSWD 251.6192 µg/L
CCV 201.5021 µg/L
CCB 0.2610 µg/L
For Help, press F1
Start
10:27 AM


FIA Instrument 1-CR6.MET-CR6_ASX.TRA-0525CR61.FDT - [Channel 2 - Hexavalent Chromium]
File Method Tray DQM Data Window Help
Method Tray DQM Data Analyte Tray Run Tray Custom Review Analysis Exit
Volts
0.3
0.1
-0.1
-0.3
0
500
1000
Seconds
Time: 846.01 Seconds Amp: -0.10458 Volts
0.00
-0.02
-0.04
-0.06
-0.08
-0.10
-0.12
800
825
850
Seconds
BBS-GW10-108 5/25 13.726
For Help, press F1
Start
FIA...
Omn...
FIA...
Sna...
10:27 AM

INSTRUMENT: C2
TRAY: CR6_ASX.TRA METHOD: CR6.MET DATAFILE: 0525CR62.FDT
DATE/TIME: Tue May 25 10:29:09 2010 OPERATOR: Joe Mohn

***** Auto DQM Begin *****
*** Starting DQM Set CCV/CCB ***
Cup# 2 Sample: CCV Type: RelChkStd Rep# 1/1
  Ch 2: Hexavalent Chromium = 201.4269 µg/L
DQM Sample Results: CCV
  Ch 2: Hexavalent Chromium = 201.4269 µg/L
    Known Conc = 200.0000 ug/L - %Diff from Known = 0.7134%
      Test 1: Passed
Cup# 7 Sample: CCB Type: Blank Rep# 1/1
  Ch 2: Hexavalent Chromium = -1.0478 µg/L
DQM Sample Results: CCB
  Ch 2: Hexavalent Chromium
    Determined Conc = -1.0478 µg/L
      Test 1: Passed
*** End of DQM Set CCV/CCB - Set Passed ***
***** Auto DQM End *****
Cup# 1 Sample: BBG-GW10-10B 5/25 Type: Unknown Rep# 1/1
  Ch 2: Hexavalent Chromium = 0.2624 µg/L
***** Auto DQM Begin *****
*** Starting DQM Set CCV/CCB ***
Cup# 2 Sample: CCV Type: RelChkStd Rep# 1/1 Repeat# 1
  Ch 2: Hexavalent Chromium = 200.4462 µg/L
DQM Sample Results: CCV
  Ch 2: Hexavalent Chromium = 200.4462 µg/L
    Known Conc = 200.0000 ug/L - %Diff from Known = 0.2231%
      Test 1: Passed
Cup# 7 Sample: CCB Type: Blank Rep# 1/1 Repeat# 1
  Ch 2: Hexavalent Chromium = -0.7049 µg/L
DQM Sample Results: CCB
  Ch 2: Hexavalent Chromium
    Determined Conc = -0.7049 µg/L
      Test 1: Passed
*** End of DQM Set CCV/CCB - Set Passed ***
***** Auto DQM End *****
******* Tray Run Complete *******


FIA Instrument 1-CR6.MET-CR6_ASX.TRA-0525CR62.FDT - [Channel 2 - Hexavalent Chromium]
File Method Tray DQM Data Window Help
Method
Tray
DQM
Data
Analyte
Tray
Run Tray
Custom
Review
Analyte
Exit
Volts
Seconds
Time: 0.00 Seconds Amp: -0.000631 Volts
CCV 201.4269 µg/L
CCB -1.0478 µg/L
BBS-GW10-10B 5/25 0.2624
CCV 200.4452 µg/L
CCB -0.7049 µg/L
For Help, press F1
Start
1 C...
FIA...
Omn...
FIA...
Sna...
10:38 AM

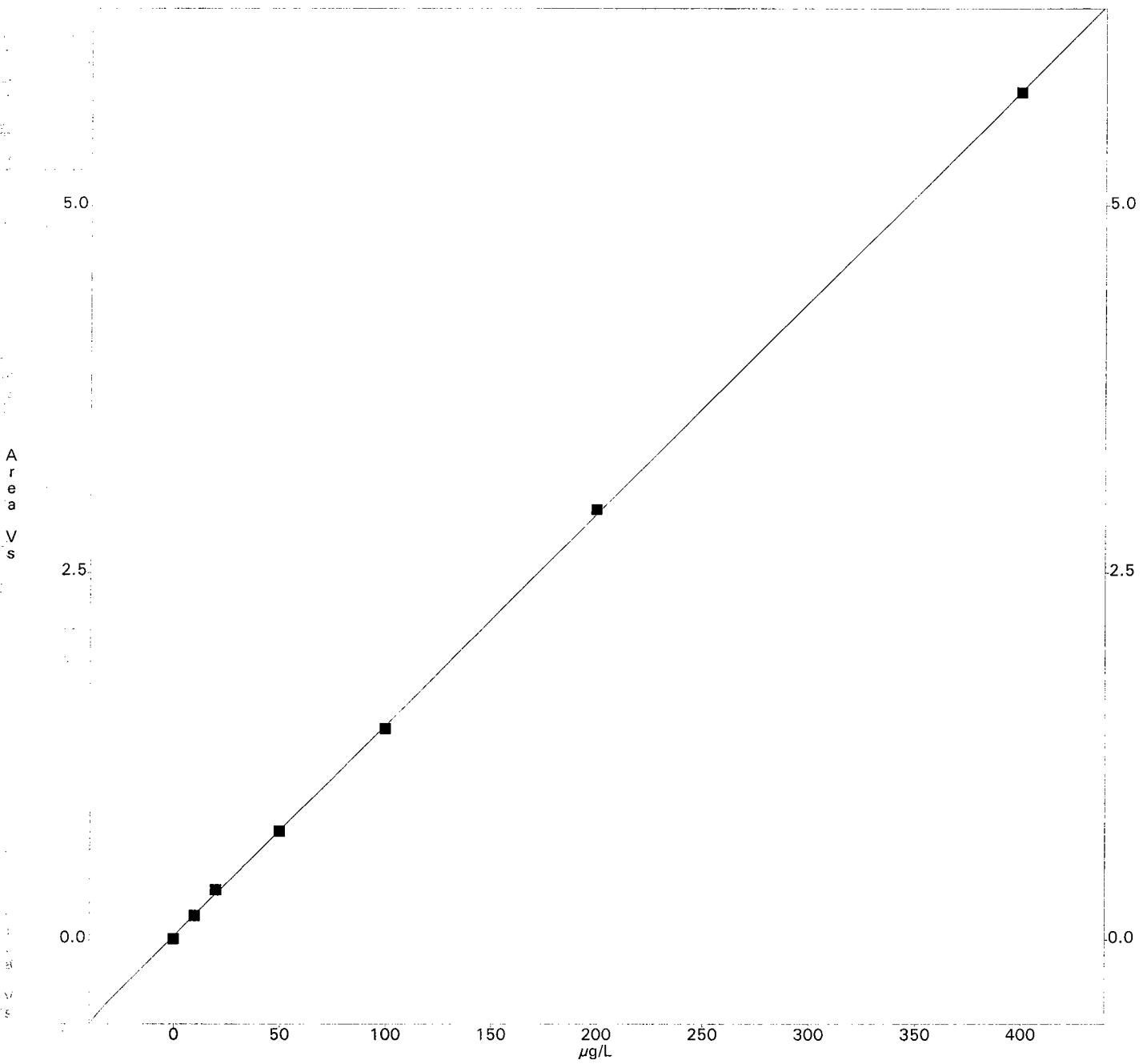

FIA Instrument 1-CR6.MET-CR6_ASX.TRA-0525CR62.FDT - [Channel 2 - Hexavalent Chromium]
File Method Tray DQM Data Window Help
Method Tray DQM Data Analyte Tray Run Tray Custom Review Analyze Exit
Volts
0.00
-0.04
-0.08
-0.12
0 50 100 150 200 250 300 350 400 450 500
Seconds
Time: 426.91 Seconds Amp: 0 Volts
-0.076
-0.084
-0.092
-0.100
-0.108
-0.116
BBG-CW10-108 5/25 0.2624
CCV 200.4462 µg/L
CCB -0.7049 µg/L
200 250 300 350 400
Seconds
For Help, press F1
Start
1 C...
FIA...
0mn...
FIA...
Sna...
10:38 AM

Hexavalent Chromium

Lvl	Area	µg/L	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Replic STD	Replic % RSD	Residual 1st Poly
1	5771326	400	5771326					0.0	0.0	0.2
2	2936538	200	2936538					0.0	0.0	-1.1
3	1446340	100	1446340					0.0	0.0	1.4
4	742321	50	742321					0.0	0.0	0.5
5	341676	20	341676					0.0	0.0	-9.5
6	166013	10	166013					0.0	0.0	3.1
7	7931	0	7931					0.0	0.0	

1st Order Poly
Conc = 6.948e-005 Area - 1.850e+000
r = 0.9999

Scaling: None - Weighting: None

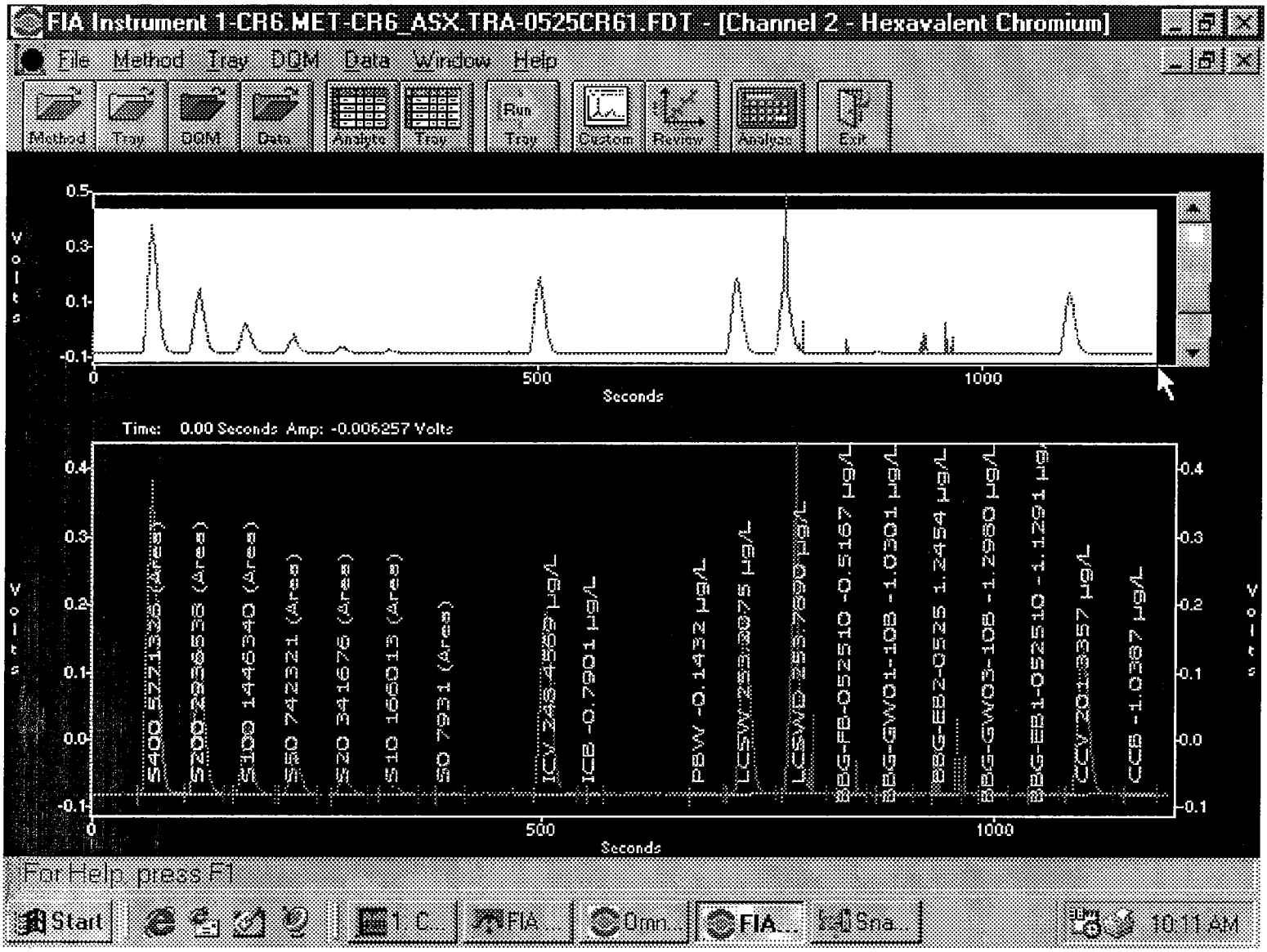


Printed: Wednesday, May 26, 2010 - 10:09 AM

INSTRUMENT: C2
TRAY: CR6_ASX.TRA METHOD: CR6.MET DATAFILE: 0525CR61.FDT
DATE/TIME: Wed May 26 09:47:57 2010 OPERATOR: Joe Mohn

*** Begin Calibration ***
Cup# 1 Sample: S400 Type: CalStd Level: 1 Rep# 1/1
Ch 2: Hexavalent Chromium Peak Area = 5771326.0 µv-s
Cup# 2 Sample: S200 Type: CalStd Level: 2 Rep# 1/1
Ch 2: Hexavalent Chromium Peak Area = 2936538.0 µv-s
Cup# 3 Sample: S100 Type: CalStd Level: 3 Rep# 1/1
Ch 2: Hexavalent Chromium Peak Area = 1446340.0 µv-s
Cup# 4 Sample: S50 Type: CalStd Level: 4 Rep# 1/1
Ch 2: Hexavalent Chromium Peak Area = 742321.0 µv-s
Cup# 5 Sample: S20 Type: CalStd Level: 5 Rep# 1/1
Ch 2: Hexavalent Chromium Peak Area = 341676.0 µv-s
Cup# 6 Sample: S10 Type: CalStd Level: 6 Rep# 1/1
Ch 2: Hexavalent Chromium Peak Area = 166013.0 µv-s
Cup# 7 Sample: S0 Type: CalStd Level: 7 Rep# 1/1
Ch 2: Hexavalent Chromium Peak Area = 7931.0 µv-s
*** Updated Calibration ***
Ch 2: Hexavalent Chromium
** 1st Order Poly Calibration **
C[0] = 6.9483e-005
C[1] = -1.85003
r = 0.9999
*** End Calibration Block ***
*** Calibration Passed ***
***** Auto DQM Begin *****
*** Starting DQM Set INITIAL CAL ***
Cup# 13 Sample: ICV Type: RelChkStd Rep# 1/1
Ch 2: Hexavalent Chromium = 248.4569 µg/L
DQM Sample Results: ICV
Ch 2: Hexavalent Chromium = 248.4569 µg/L
Known Conc = 250.0000 ug/L - %Diff from Known = -0.6172%
Test 1: Passed
Cup# 14 Sample: ICB Type: Blank Rep# 1/1
Ch 2: Hexavalent Chromium = -0.7901 µg/L
DQM Sample Results: ICB
Ch 2: Hexavalent Chromium
Determined Conc = -0.7901 µg/L
Test 1: Passed
*** End of DQM Set INITIAL CAL - Set Passed ***
***** Auto DQM End *****
Cup# 1 Sample: PBW Type: Unknown Rep# 1/1
Ch 2: Hexavalent Chromium = -0.1432 µg/L
Cup# 2 Sample: LCSW Type: Unknown Rep# 1/1
Ch 2: Hexavalent Chromium = 253.2075 µg/L
Cup# 3 Sample: LCSWD Type: Unknown Rep# 1/1
Ch 2: Hexavalent Chromium = 253.7890 µg/L
Cup# 4 Sample: BBG-FB-052510 Type: Unknown Rep# 1/1
Ch 2: Hexavalent Chromium = -0.5167 µg/L
Cup# 5 Sample: BBG-GW01-10B Type: Unknown Rep# 1/1
Ch 2: Hexavalent Chromium = -1.0301 µg/L
Cup# 6 Sample: BBG-EB2-0525 Type: Unknown Rep# 1/1
Ch 2: Hexavalent Chromium = 1.2454 µg/L
Cup# 7 Sample: BBG-GW03-10B Type: Unknown Rep# 1/1
Ch 2: Hexavalent Chromium = -1.2980 µg/L
Cup# 8 Sample: BBG-EB1-052510 Type: Unknown Rep# 1/1
Ch 2: Hexavalent Chromium = -1.1291 µg/L
***** Auto DQM Begin *****
*** Starting DQM Set CCV/CCB ***
Cup# 2 Sample: CCV Type: RelChkStd Rep# 1/1
Ch 2: Hexavalent Chromium = 201.3357 µg/L
DQM Sample Results: CCV
Ch 2: Hexavalent Chromium = 201.3357 µg/L
Known Conc = 200.0000 ug/L - %Diff from Known = 0.6679%
Test 1: Passed

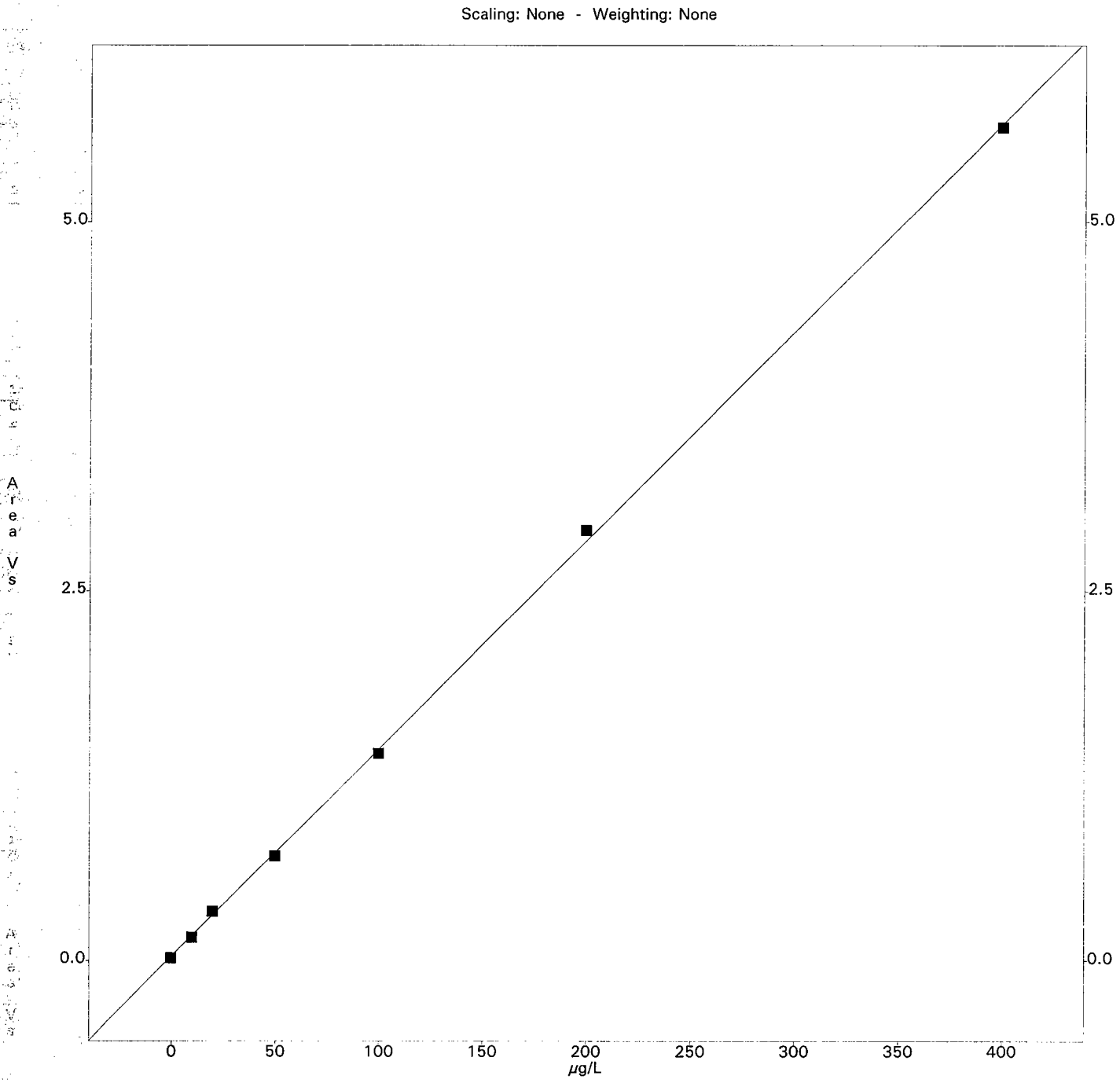
Cup# 7 Sample: CCB Type: Blank Rep# 1/1
Ch 2: Hexavalent Chromium = -1.0387 µg/L
DQM Sample Results: CCB
Ch 2: Hexavalent Chromium
Determined Conc = -1.0387 µg/L
Test 1: Passed
*** End of DQM Set CCV/CCB - Set Passed ***
***** Auto DQM End *****
******* Tray Run Complete *******


FIA Instrument 1-CR6.MET-CR6_ASX.TRA-0525CR61.FDT - [Channel 2 - Hexavalent Chromium]
File Method Tray DQM Data Window Help
Method Tray DQM Data Analyte Tray Run Tray Custom Review Analyze Exit
Volts
Seconds
Time: 0.00 Seconds Amp: -0.006257 Volts
S400 577133 (Area)
S200 2636536 (Area)
S100 1468340 (Area)
S50 742321 (Area)
S20 341676 (Area)
S10 160013 (Area)
S0 7231 (Area)
ICV 248.4552 µg/L
ICB -0.7601 µg/L
PBW -0.1432 µg/L
LCSW 253.3075 µg/L
LCSWD 253.7800 µg/L
SBG-FB-052510 -0.5167 µg/L
SBG-GW01-108 -1.0301 µg/L
SBG-EB2-0525 1.2454 µg/L
SBG-GW03-108 -1.2960 µg/L
SBG-EB1-052510 -1.1291 µg/L
CCV 201.3357 µg/L
CCB -1.0387 µg/L
For Help, press F1
Start
10:11 AM

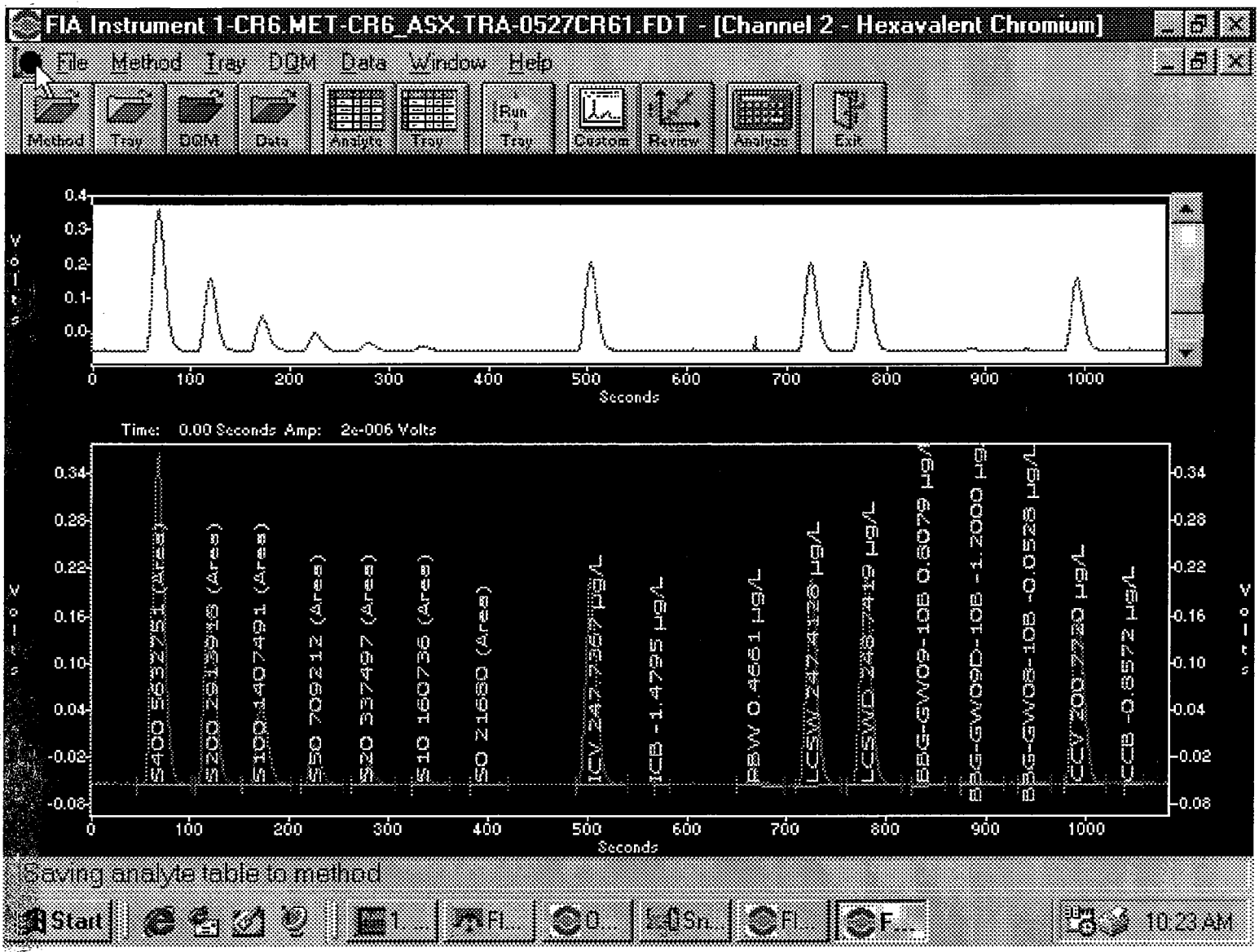
Hexavalent Chromium

Lvl	Area	µg/L	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Replic STD	Replic % RSD	Residual 1st Poly
1	5632751	400	5632751					0.0	0.0	0.5
2	2913918	200	2913918					0.0	0.0	-2.5
3	1407491	100	1407491					0.0	0.0	2.1
4	709212	50	709212					0.0	0.0	3.4
5	337497	20	337497					0.0	0.0	-9.6
6	160736	10	160736					0.0	0.0	6.5
7	21680	0	21680					0.0	0.0	

1st Order Poly
Conc = 7.104e-005 Area - 2.065e+000
r = 0.9998



Printed: Thursday, June 10, 2010 - 10:23 AM


FIA Instrument 1-CR6.MET-CR6_ASX.TRA-0527CR61.FDT - [Channel 2 - Hexavalent Chromium]
File Method Tray DQM Data Window Help
Method Tray DQM Data Analyte Tray Run Tray Custom Review Analyse Exit
Seconds
Time: 0.00 Seconds Amp: 2e-006 Volts
S400 5632751 (Area)
S200 2813916 (Area)
S100 1407491 (Area)
S50 709212 (Area)
S20 337497 (Area)
S10 160736 (Area)
S0 21680 (Area)
ICV 247.7387 µg/L
ICB -1.4795 µg/L
RSW 0.4661 µg/L
LCSW 247.4328 µg/L
LCSWD 248.7419 µg/L
BBG-GW09-10B 0.8079 µg/L
BBG-GW09D-10B -1.2000 µg/L
BBG-GW08-10B -0.0523 µg/L
CCV 200.7720 µg/L
CCB -0.8572 µg/L
Saving analyte table to method
Start
10:23 AM

INSTRUMENT: C2
TRAY: CR6_ASX.TRA METHOD: CR6.MET DATAFILE: 0527CR61.FDT
DATE/TIME: Thu May 27 09:11:31 2010 OPERATOR: Joe Mohn

*** Begin Calibration ***
Cup# 1 Sample: S400 Type: CalStd Level: 1 Rep# 1/1
  Ch 2: Hexavalent Chromium Peak Area = 5632751.0 µv-s
Cup# 2 Sample: S200 Type: CalStd Level: 2 Rep# 1/1
  Ch 2: Hexavalent Chromium Peak Area = 2913918.0 µv-s
Cup# 3 Sample: S100 Type: CalStd Level: 3 Rep# 1/1
  Ch 2: Hexavalent Chromium Peak Area = 1407491.0 µv-s
Cup# 4 Sample: S50 Type: CalStd Level: 4 Rep# 1/1
  Ch 2: Hexavalent Chromium Peak Area = 709212.0 µv-s
Cup# 5 Sample: S20 Type: CalStd Level: 5 Rep# 1/1
  Ch 2: Hexavalent Chromium Peak Area = 337497.0 µv-s
Cup# 6 Sample: S10 Type: CalStd Level: 6 Rep# 1/1
  Ch 2: Hexavalent Chromium Peak Area = 160736.0 µv-s
Cup# 7 Sample: S0 Type: CalStd Level: 7 Rep# 1/1
  Ch 2: Hexavalent Chromium Peak Area = 21680.0 µv-s
*** Updated Calibration ***
  Ch 2: Hexavalent Chromium
    ** 1st Order Poly Calibration **
    C[0] = 7.10394e-005
    C[1] = -2.06483
    r = 0.9998
*** End Calibration Block ***
*** Calibration Passed ***
***** Auto DQM Begin *****
*** Starting DQM Set INITIAL CAL ***
Cup# 13 Sample: ICV Type: RelChkStd Rep# 1/1
  Ch 2: Hexavalent Chromium = 247.7367 µg/L
DQM Sample Results: ICV
  Ch 2: Hexavalent Chromium = 247.7367 µg/L
    Known Conc = 250.0000 ug/L - %Diff from Known = -0.9053%
      Test 1: Passed
Cup# 14 Sample: ICB Type: Blank Rep# 1/1
  Ch 2: Hexavalent Chromium = -1.4795 µg/L
DQM Sample Results: ICB
  Ch 2: Hexavalent Chromium
    Determined Conc = -1.4795 µg/L
      Test 1: Passed
*** End of DQM Set INITIAL CAL - Set Passed ***
***** Auto DQM End *****
Cup# 1 Sample: PBW Type: Unknown Rep# 1/1
  Ch 2: Hexavalent Chromium = 0.4661 µg/L
Cup# 2 Sample: LCSW Type: Unknown Rep# 1/1
  Ch 2: Hexavalent Chromium = 247.4128 µg/L
Cup# 3 Sample: LCSWD Type: Unknown Rep# 1/1
  Ch 2: Hexavalent Chromium = 248.7419 µg/L
Cup# 4 Sample: BBG-GW09-10B Type: Unknown Rep# 1/1
  Ch 2: Hexavalent Chromium = 0.8079 µg/L
Cup# 5 Sample: BBG-GW09D-10B Type: Unknown Rep# 1/1
  Ch 2: Hexavalent Chromium = -1.2000 µg/L
Cup# 6 Sample: BBG-GW08-10B Type: Unknown Rep# 1/1
  Ch 2: Hexavalent Chromium = -0.0528 µg/L
***** Auto DQM Begin *****
*** Starting DQM Set CCV/CCB ***
Cup# 2 Sample: CCV Type: RelChkStd Rep# 1/1
  Ch 2: Hexavalent Chromium = 200.7720 µg/L
DQM Sample Results: CCV
  Ch 2: Hexavalent Chromium = 200.7720 µg/L
    Known Conc = 200.0000 ug/L - %Diff from Known = 0.3860%
      Test 1: Passed
Cup# 7 Sample: CCB Type: Blank Rep# 1/1
  Ch 2: Hexavalent Chromium = -0.8572 µg/L
DQM Sample Results: CCB
  Ch 2: Hexavalent Chromium

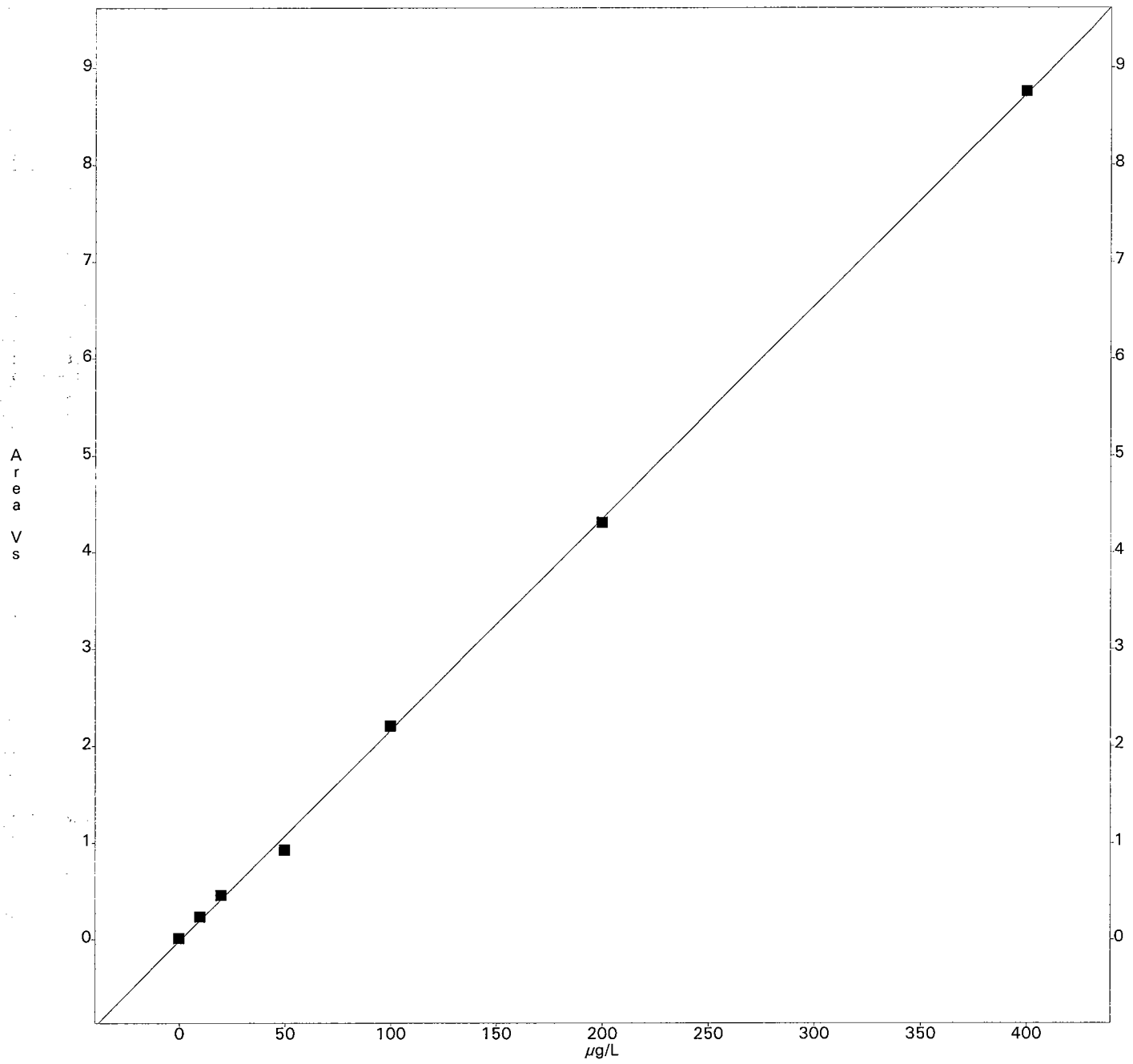
Determined Conc = -0.8572 µg/L
Test 1: Passed
*** End of DQM Set CCV/CCB - Set Passed ***
***** Auto DQM End *****
******* Tray Run Complete *******

Hexavalent Chromium

Lvl	Area	µg/L	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Replic STD	Replic % RSD	Residual 1st Poly
1	8755877	400	8755877					0.0	0.0	-0.3
2	4312075	200	4312075					0.0	0.0	1.0
3	2210256	100	2210256					0.0	0.0	-2.0
4	930602	50	930602					0.0	0.0	13.0
5	461029	20	461029					0.0	0.0	-10.2
6	235983	10	235983					0.0	0.0	-17.6
7	16515	0	16515					0.0	0.0	

1st Order Poly
Conc = 4.569e-005 Area + 9.751e-001
r = 0.9998

Scaling: None - Weighting: None



Printed: Friday, May 28, 2010 - 08:44 AM

INSTRUMENT: C2
TRAY: CR6_ASX.TRA METHOD: CR6.MET DATAFILE: 0528CR62.FDT
DATE/TIME: Fri May 28 08:17:20 2010 OPERATOR: Joe Mohn

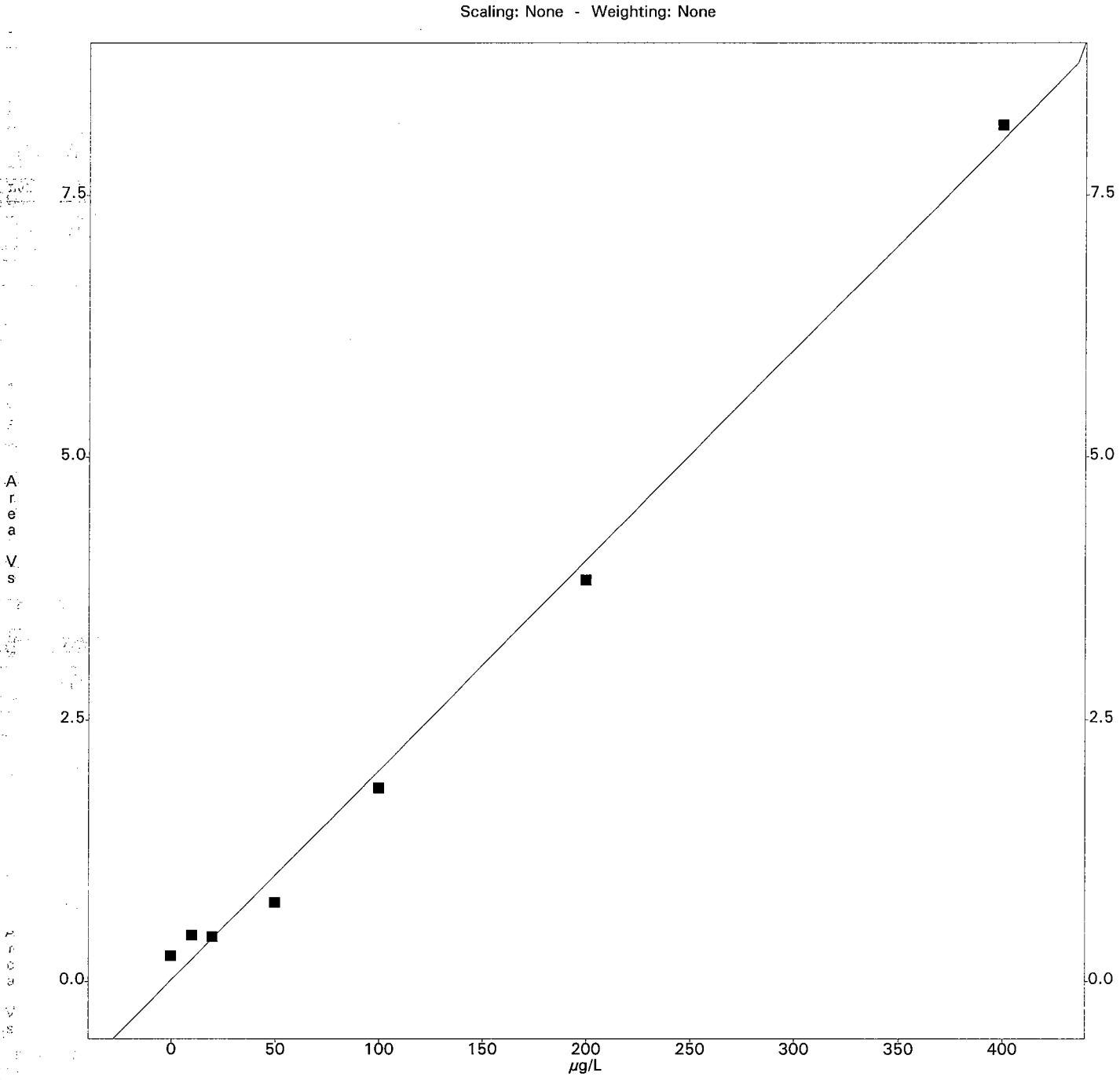
*** Begin Calibration ***
Cup# 1 Sample: S400 Type: CalStd Level: 1 Rep# 1/1
  Ch 2: Hexavalent Chromium Peak Area = 8755877.0 µv-s
Cup# 2 Sample: S200 Type: CalStd Level: 2 Rep# 1/1
  Ch 2: Hexavalent Chromium Peak Area = 4312075.0 µv-s
Cup# 3 Sample: S100 Type: CalStd Level: 3 Rep# 1/1
  Ch 2: Hexavalent Chromium Peak Area = 2210256.0 µv-s
Cup# 4 Sample: S50 Type: CalStd Level: 4 Rep# 1/1
  Ch 2: Hexavalent Chromium Peak Area = 930602.0 µv-s
Cup# 5 Sample: S20 Type: CalStd Level: 5 Rep# 1/1
  Ch 2: Hexavalent Chromium Peak Area = 461029.0 µv-s
Cup# 6 Sample: S10 Type: CalStd Level: 6 Rep# 1/1
  Ch 2: Hexavalent Chromium Peak Area = 235983.0 µv-s
Cup# 7 Sample: S0 Type: CalStd Level: 7 Rep# 1/1
  Ch 2: Hexavalent Chromium Peak Area = 16515.0 µv-s
*** Updated Calibration ***
  Ch 2: Hexavalent Chromium
    ** 1st Order Poly Calibration **
    C[0] = 4.56896e-005
    C[1] = 0.975064
    r = 0.9998
*** End Calibration Block ***
*** Calibration Passed ***
***** Auto DQM Begin *****
*** Starting DQM Set INITIAL CAL ***
Cup# 13 Sample: ICV Type: RelChkStd Rep# 1/1
  Ch 2: Hexavalent Chromium = 248.8898 µg/L
DQM Sample Results: ICV
  Ch 2: Hexavalent Chromium = 248.8898 µg/L
    Known Conc = 250.0000 ug/L - %Diff from Known = -0.4441%
      Test 1: Passed
Cup# 14 Sample: ICB Type: Blank Rep# 1/1
  Ch 2: Hexavalent Chromium = 1.9088 µg/L
DQM Sample Results: ICB
  Ch 2: Hexavalent Chromium
    Determined Conc = 1.9088 µg/L
      Test 1: Passed
*** End of DQM Set INITIAL CAL - Set Passed ***
***** Auto DQM End *****
Cup# 1 Sample: PBW Type: Unknown Rep# 1/1
  Ch 2: Hexavalent Chromium = 1.8262 µg/L
Cup# 2 Sample: LCSW Type: Unknown Rep# 1/1
  Ch 2: Hexavalent Chromium = 249.8047 µg/L
Cup# 3 Sample: LCSWD Type: Unknown Rep# 1/1
  Ch 2: Hexavalent Chromium = 246.9316 µg/L
Cup# 4 Sample: BBG-GW07 Type: Unknown Rep# 1/1
  Ch 2: Hexavalent Chromium = 10.6462 µg/L
Cup# 5 Sample: EB1-052710 Type: Unknown Rep# 1/1
  Ch 2: Hexavalent Chromium = 2.2712 µg/L
Cup# 6 Sample: BBG-GW04 Type: Unknown Rep# 1/1
  Ch 2: Hexavalent Chromium = 1.6622 µg/L
Cup# 7 Sample: BBG-GW03UCH Type: Unknown Rep# 1/1
  Ch 2: Hexavalent Chromium = 1.7294 µg/L
Cup# 8 Sample: BBG-GW02 Type: Unknown Rep# 1/1
  Ch 2: Hexavalent Chromium = 5.1887 µg/L
Cup# 9 Sample: EB2-052710 Type: Unknown Rep# 1/1
  Ch 2: Hexavalent Chromium = 1.7167 µg/L
Cup# 10 Sample: EB4-052710 Type: Unknown Rep# 1/1
  Ch 2: Hexavalent Chromium = 2.3193 µg/L
***** Auto DQM Begin *****
*** Starting DQM Set CCV/CCB ***
Cup# 2 Sample: CCV Type: RelChkStd Rep# 1/1
  Ch 2: Hexavalent Chromium = 184.8955 µg/L

DQM Sample Results: CCV
Ch 2: Hexavalent Chromium = 184.8955 µg/L
Known Conc = 200.0000 ug/L - %Diff from Known = -7.5523%
Test 1: Passed
Cup# 7 Sample: CCB Type: Blank Rep# 1/1
Ch 2: Hexavalent Chromium = 2.1605 µg/L
DQM Sample Results: CCB
Ch 2: Hexavalent Chromium
Determined Conc = 2.1605 µg/L
Test 1: Passed
*** End of DQM Set CCV/CCB - Set Passed ***
***** Auto DQM End *****
******* Tray Run Complete *******

Hexavalent Chromium

Lvl	Area	µg/L	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Replic STD	Replic % RSD	Residual 1st Poly
1	8162743	400	8162743					0.0	0.0	-1.6
2	3832927	200	3832927					0.0	0.0	4.8
3	1856358	100	1856358					0.0	0.0	8.1
4	759322	50	759322					0.0	0.0	25.8
5	431769	20	431769					0.0	0.0	-3.9
6	445302	10	445302					0.0	0.0	-114.5
7	252362	0	252362					0.0	0.0	

1st Order Poly
Conc = 4.989e-005 Area - 7.631e-001
r = 0.9975



Printed: Friday, May 28, 2010 - 11:13 AM

INSTRUMENT: C2
TRAY: CR6_ASX.TRA METHOD: CR6.MET DATAFILE: 0528CR67.FDT
DATE/TIME: Fri May 28 10:51:11 2010 OPERATOR: Joe Mohn

*** Begin Calibration ***
Cup# 1 Sample: S400 Type: CalStd Level: 1 Rep# 1/1
Ch 2: Hexavalent Chromium Peak Area = 8162743.0 µv-s
Cup# 2 Sample: S200 Type: CalStd Level: 2 Rep# 1/1
Ch 2: Hexavalent Chromium Peak Area = 3832927.0 µv-s
Cup# 3 Sample: S100 Type: CalStd Level: 3 Rep# 1/1
Ch 2: Hexavalent Chromium Peak Area = 1856358.0 µv-s
Cup# 4 Sample: S50 Type: CalStd Level: 4 Rep# 1/1
Ch 2: Hexavalent Chromium Peak Area = 759322.0 µv-s
Cup# 5 Sample: S20 Type: CalStd Level: 5 Rep# 1/1
Ch 2: Hexavalent Chromium Peak Area = 431769.0 µv-s
Cup# 6 Sample: S10 Type: CalStd Level: 6 Rep# 1/1
Ch 2: Hexavalent Chromium Peak Area = 445302.0 µv-s
Cup# 7 Sample: S0 Type: CalStd Level: 7 Rep# 1/1
Ch 2: Hexavalent Chromium Peak Area = 252362.0 µv-s
*** Updated Calibration ***
Ch 2: Hexavalent Chromium
** 1st Order Poly Calibration **
C[0] = 4.98921e-005
C[1] = -0.763067
r = 0.9975
*** End Calibration Block ***
*** Calibration Passed ***
***** Auto DQM Begin *****
*** Starting DQM Set INITIAL CAL ***
Cup# 13 Sample: ICV Type: RelChkStd Rep# 1/1
Ch 2: Hexavalent Chromium = 268.0263 µg/L
DQM Sample Results: ICV
Ch 2: Hexavalent Chromium = 268.0263 µg/L
Known Conc = 250.0000 ug/L - %Diff from Known = 7.2105%
Test 1: Passed
Cup# 14 Sample: ICB Type: Blank Rep# 1/1
Ch 2: Hexavalent Chromium = 0.6161 µg/L
DQM Sample Results: ICB
Ch 2: Hexavalent Chromium
Determined Conc = 0.6161 µg/L
Test 1: Passed
*** End of DQM Set INITIAL CAL - Set Passed ***
***** Auto DQM End *****
Cup# 1 Sample: BBG-GW02S Type: Unknown Rep# 1/1
Ch 2: Hexavalent Chromium = 113.9671 µg/L
Cup# 2 Sample: BBG-GW02SD Type: Unknown Rep# 1/1
Ch 2: Hexavalent Chromium = 113.6354 µg/L
***** Auto DQM Begin *****
*** Starting DQM Set CCV/CCB ***
Cup# 2 Sample: CCV Type: RelChkStd Rep# 1/1
Ch 2: Hexavalent Chromium = 188.8754 µg/L
DQM Sample Results: CCV
Ch 2: Hexavalent Chromium = 188.8754 µg/L
Known Conc = 200.0000 ug/L - %Diff from Known = -5.5623%
Test 1: Passed
Cup# 7 Sample: CCB Type: Blank Rep# 1/1
Ch 2: Hexavalent Chromium = 0.5258 µg/L
DQM Sample Results: CCB
Ch 2: Hexavalent Chromium
Determined Conc = 0.5258 µg/L
Test 1: Passed
*** End of DQM Set CCV/CCB - Set Passed ***
***** Auto DQM End *****
******* Tray Run Complete *******

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BBG-GW10

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix (soil/water): WATER Lab Sample ID: 1005187-01

Level (low/med): LOW Date Received: 5/24/2010

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	908			P
7440-36-0	Antimony	4.0	B		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	21.3	B		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	5860		E	P
7440-47-3	Chromium	1.3	B		P
7440-48-4	Cobalt	5.0	U		P
7440-50-8	Copper	3.7	B		P
7439-89-6	Iron	318			P
7439-92-1	Lead	2.6	B		P
7439-95-4	Magnesium	2850	B		P
7439-96-5	Manganese	30.3			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	3.8	B		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	12000			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	6.3	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

FB-052510

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix (soil/water): WATER Lab Sample ID: 1005187-02

Level (low/med): LOW Date Received: 5/25/2010

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	47.7	B		P
7440-36-0	Antimony	4.5	B		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	1.3	B		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	411	B	E	P
7440-47-3	Chromium	1.2	B		P
7440-48-4	Cobalt	5.0	U		P
7440-50-8	Copper	6.3			P
7439-89-6	Iron	17.4	B		P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese	0.41	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	1.1	B		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	5000	U		P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BBG-GW01

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix (soil/water): WATER Lab Sample ID: 1005187-03

Level (low/med): LOW Date Received: 5/25/2010

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5760			P
7440-36-0	Antimony	6.7	B		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	24.9	B		P
7440-41-7	Beryllium	0.98	B		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	89300		E	P
7440-47-3	Chromium	7.0	B		P
7440-48-4	Cobalt	5.0	U		P
7440-50-8	Copper	1.1	B		P
7439-89-6	Iron	2060			P
7439-92-1	Lead	3.7			P
7439-95-4	Magnesium	2570	B		P
7439-96-5	Manganese	15.1			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	1.6	B		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	6930			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	9.3	B		P
7440-66-6	Zinc	5.9	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
EB1-052510

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix (soil/water): WATER Lab Sample ID: 1005187-04

Level (low/med): LOW Date Received: 5/25/2010

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	36.5	B		P
7440-36-0	Antimony	5.6	B		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	0.93	B		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	398	B	E	P
7440-47-3	Chromium	0.96	B		P
7440-48-4	Cobalt	5.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	13.9	B		P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese	0.39	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	5.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	5000	U		P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BBG-GW03

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix (soil/water): WATER Lab Sample ID: 1005187-05

Level (low/med): LOW Date Received: 5/25/2010

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	982			P
7440-36-0	Antimony	5.4	B		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	84.6	B		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	4810	B	E	P
7440-47-3	Chromium	1.7	B		P
7440-48-4	Cobalt	5.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	62.1	B		P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	8740			P
7439-96-5	Manganese	9.2	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	1.4	B		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	8320			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	7.7	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
EB2-052510

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix (soil/water): WATER Lab Sample ID: 1005187-06

Level (low/med): LOW Date Received: 5/25/2010

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	32.4	B		P
7440-36-0	Antimony	4.2	B		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	402	B	E	P
7440-47-3	Chromium	0.85	B		P
7440-48-4	Cobalt	5.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	13.8	B		P
7439-92-1	Lead	2.1	B		P
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese	0.28	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	5.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	5000	U		P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BBG-GW09

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix (soil/water): WATER Lab Sample ID: 1005187-07

Level (low/med): LOW Date Received: 5/26/2010

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	31500			P
7440-36-0	Antimony	4.2	B		P
7440-38-2	Arsenic	5.5	B		P
7440-39-3	Barium	1210			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	10300		E	P
7440-47-3	Chromium	44.0			P
7440-48-4	Cobalt	5.0	U		P
7440-50-8	Copper	16.4			P
7439-89-6	Iron	3230			P
7439-92-1	Lead	13.9			P
7439-95-4	Magnesium	1790	B		P
7439-96-5	Manganese	12.1			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	7.3			P
7440-09-7	Potassium	395	B		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	3280	B		P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	27.6			P
7440-66-6	Zinc	22.3			P

Color Before: COLORLESS Clarity Before: CLOUDY Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BBG-GW09D

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix (soil/water): WATER Lab Sample ID: 1005187-08

Level (low/med): LOW Date Received: 5/26/2010

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5110			P
7440-36-0	Antimony	4.3	B		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	205			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	9390		E	P
7440-47-3	Chromium	7.1	B		P
7440-48-4	Cobalt	5.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	557			P
7439-92-1	Lead	3.2			P
7439-95-4	Magnesium	1690	B		P
7439-96-5	Manganese	5.7	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	1.3	B		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	4460	B		P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	5.4	B		P
7440-66-6	Zinc	5.2	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BBG-GW08

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix (soil/water): WATER Lab Sample ID: 1005187-09

Level (low/med): LOW Date Received: 5/26/2010

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	285			P
7440-36-0	Antimony	4.2	B		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	82300		E	P
7440-47-3	Chromium	5.5	B		P
7440-48-4	Cobalt	5.0	U		P
7440-50-8	Copper	2.1	B		P
7439-89-6	Iron	738			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	2520	B		P
7439-96-5	Manganese	12.6			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	2.0	B		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	6310			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	3.8	B		P
7440-66-6	Zinc	7.8	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BBG-GW07

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix (soil/water): WATER Lab Sample ID: 1005187-10

Level (low/med): LOW Date Received: 5/27/2010

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	330			P
7440-36-0	Antimony	6.6	B		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	29.7	B		P
7440-41-7	Beryllium	0.81	B		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	2080	B	E	P
7440-47-3	Chromium	1.2	B		P
7440-48-4	Cobalt	5.0	U		P
7440-50-8	Copper	2.4	B		P
7439-89-6	Iron	480			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	1180	B		P
7439-96-5	Manganese	21.0			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	2.8	B		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	8240			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	15.0	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

EB1-052710

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix (soil/water): WATER Lab Sample ID: 1005187-11

Level (low/med): LOW Date Received: 5/27/2010

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	34.8	B		P
7440-36-0	Antimony	4.1	B		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	0.93	B		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	401	B	E	P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	5.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	1.7	B		P
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese	0.28	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	5.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	170	B		P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BBG-GW04

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix (soil/water): WATER Lab Sample ID: 1005187-12

Level (low/med): LOW Date Received: 5/27/2010

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	182	B		P
7440-36-0	Antimony	5.4	B		P
7440-38-2	Arsenic	4.4	B		P
7440-39-3	Barium	18.8	B		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	125000		E	P
7440-47-3	Chromium	3.7	B		P
7440-48-4	Cobalt	5.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	1180			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	2640	B		P
7439-96-5	Manganese	26.4			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	9.3			P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	3500	B		P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	3.4	B		P
7440-66-6	Zinc	4.5	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BBG-GW03UCH

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix (soil/water): WATER Lab Sample ID: 1005187-13

Level (low/med): LOW Date Received: 5/27/2010

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	92.0	B		P
7440-36-0	Antimony	5.8	B		P
7440-38-2	Arsenic	3.4	B		P
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	32500		E	P
7440-47-3	Chromium	2.3	B		P
7440-48-4	Cobalt	5.0	U		P
7440-50-8	Copper	4.2	B		P
7439-89-6	Iron	290			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	1460	B		P
7439-96-5	Manganese	17.7			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	1.4	B		P
7440-09-7	Potassium	178	B		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	18300			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	5.4	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BBG-GW02

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix (soil/water): WATER Lab Sample ID: 1005187-14

Level (low/med): LOW Date Received: 5/27/2010

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	169	B		P
7440-36-0	Antimony	5.1	B		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	71.1	B		P
7440-41-7	Beryllium	1.6	B		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	14400		E	P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	5.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	7300			P
7439-96-5	Manganese	28.2			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	2.2	B		P
7440-09-7	Potassium	510	B		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	17000			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	16.5	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
EB2-052710

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix (soil/water): WATER Lab Sample ID: 1005187-15

Level (low/med): LOW Date Received: 5/27/2010

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	53.8	B		P
7440-36-0	Antimony	4.5	B		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	1.6	B		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	412	B	E	P
7440-47-3	Chromium	0.91	B		P
7440-48-4	Cobalt	5.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	17.6	B		P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	9.3	B		P
7439-96-5	Manganese	0.56	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	5.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	160	B		P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
EB3-052710

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005187

Matrix (soil/water): WATER Lab Sample ID: 1005187-16

Level (low/med): LOW Date Received: 5/27/2010

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	74.5	B		P
7440-36-0	Antimony	4.4	B		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	0.92	B		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	1030	B	E	P
7440-47-3	Chromium	1.3	B		P
7440-48-4	Cobalt	5.0	U		P
7440-50-8	Copper	3.3	B		P
7439-89-6	Iron	45.5	B		P
7439-92-1	Lead	1.9	B		P
7439-95-4	Magnesium	17.4	B		P
7439-96-5	Manganese	1.1	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	5.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	683	B		P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	53.7			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

24950

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CHAIN OF CUSTODY

CompuChem
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501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

145 mL

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information	Requested Analysis (include method and bottle type)	Matrices
Company Name: CH2M HILL	Project Name: CTO 94		GW - Ground water
Address: 3201 Beechleaf Ct Ste 304	Sampling Location: Camp Lejeune		WW - Waste water
City: Raleigh State: NC Zip: 27604	Turnaround time		SW - Surface water
Project Contact: Paul Weber	Batch QC or Project Specific? If Specific, which Sample ID?		SO - Soil/Sediment
Phone #: 269-762-3433	Are aqueous samples field filtered for metals? Y or (N)		TB - Trip Blank
Sampler's Name: Rachel Zayac	Are high concentrations expected? Y or (N) If yes, which ID(s)?		RI - Rinsate
			WP - Wipe
			O - Other

Requested Analysis columns: 500 mL TAL metals 6010B/7470 | Hexavalent Chromium 7196A | 8270C PAHs (AL) | Pesticides 8081

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	TAL metals	Hexavalent Chromium	PAHs	Pesticides	pH / Sample Info (Lab Use): TAL Metals
1005187-01	BBG-GW10-1013	5/24/10	1330	GW	5			1			5	X	X	X	X	2.2
	BBG-GW01-1013															

Lab Use Only

Sample Unpacked By: Diane Byrd
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

Sample Custody

Relinquished by:	Date/Time: 1730 5/24/10	Received by: Lee A Swanson	Date/Time: 5 20 PM 5/24/10	
Relinquished by:	Date/Time:	Received by: Diane Byrd for Joann Overland	Date/Time: 5/24/10 1615	
Subcontact? Y or (N) If yes, where?	Custody Seal(s) intact? Y or N	On Ice? (Y) or N	Cooler Temp: 0.9 °C	

Courier

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer SND015

CompuChem
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QUALITY ASSURANCE NOTICE

CompuChem ID # _____
Client ID # BBG-GW10-10B
Case # _____
Type of Analysis TAL Metals
Receipt Date 5-24-10

The pH reading for the sample above was 2.2 : the required pH level is <2 .

A CompuChem Project Manager contacted the client who instructed the laboratory to:

Preserve in-house ✓

Note: For samples preserved in house, certain clients require that the maximum amount of preservative added to a sample in an SDG also be added to the associated field or equipment blank. If neither blank is present, the appropriate laboratory must be notified so the proper amount of preservation can be added to the method blank.

Analyze - qualify with notice ✓

Dispose - client will resample _____

Subcontract lab to preserve _____

Project Manager [signature] Date 5/25/10

Preservation Type 50% HNO_3 Preservative Lot Number 7GG1-20-3

Preserved By [signature] Date 5/25/10

Cooler #1 24949

CHAIN OF CUSTODY

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Cary, NC 27513
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Page 1 of 1

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: CH2M HILL
Address: 329 Beechleaf Ct Ste 304
City: Raleigh State: NC Zip: 27604
Project Contact: Paul Weber
Phone #: 269-762-3433
Sampler's Name: Rachel Zajac

Project Information

Project Name: CTO94
Sampling Location: Camp Lejeune
Turnaround time:
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or (N)? If yes, which ID(s)?

Requested Analysis (include method and bottle type)

TAL metals 6010B/7470 500ml
Hexavalent Chromium 7196A
PAH 8270C 3 AL
Pesticides 8081

Matrices

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

pH / Sample Info (Lab Use)

TAL Metals

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	TAL metals	Hexavalent Chromium	PAH 8270C	Pesticides 8081	pH / Sample Info (Lab Use)
1005187-02	BBG-FB-052510	5/25/10	0940	WT	5							X	X	X	X	<2
-03	BBG-GW01-10B	"	1010	"	"			"			"	X	X	X	X	<2
-04	BBG-EB1-052510	"	1700	"	"			"			"	X	X	X	X	<2

Lab Use Only

Sample Unpacked By: Jennifer Doren
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

Residual Chlorine Present?
No

Sample Custody

Relinquished by:	Date/Time: 5/25/10 1800	Received by:	Date/Time: 5.25.10 6:00
Relinquished by:	Date/Time:	Received by: Jennifer Doren	Date/Time: 5.25.10 8:25 PM
Subcontact? Y or N If yes, where?	Custody Seal(s) intact? (Y) or N	On Ice (Y) or N	Cooler Temp: 3.2 °C

Samples stored 60 days after date report mailed at no extra charge.

NC Courier

White & Yellow copy to lab • Pink copy for customer SN0010

71

cooler #2 24948

72

CHAIN OF CUSTODY

Page 1 of 1

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Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information
Company Name: CH2M HILL	Project Name: CTO 94
Address: 3201 Beechleaf Ct Ste 304	Sampling Location: Camp Lejeune
City: Raleigh State: NC Zip: 27604	Turnaround time
Project Contact: Paul Weber	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 269-762-3433	Are aqueous samples field filtered for metals? Y or (N)
Sampler's Name: Rachel Zayac	Are high concentrations expected? Y or (N) If yes, which ID(s)?

Requested Analysis (include method and bottle type)

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	TAL metals 6010B/7470 500ml	Hexavalent Chromium 7196A	PAH 8270C 3	Pesticides 8081	pH / Sample Info (Lab Use)
1005187-05	BBG-GW03-[illegible]	5/25	1035	GW	5			1			4	X	X	X	X	<2
-06	BBG-BB2-052510	"	1035	"	1			"			"	X	X	X	X	<2

TAL METALS

Lab Use Only

Sample Unpacked By: Jennifer Doer
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Residual Chlorine Present? Yes / No

Sample Custody

Relinquished by: R Zayac	Date/Time: 5/25/10 1830	Received by: Eli Cuthrell	Date/Time: 5-25-10 18:00
Relinquished by:	Date/Time:	Received by: Jennifer Doer	Date/Time: 5.25.10 8:25 PM
Subcontact? Y or (N) If yes, where?	Custody Seal(s) intact? Y or N	On Ice (Y) or N	Cooler Temp: 4.3 °C

NC Courier

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White & Yellow copy to lab • Pink copy for customer SN0010

24927

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Residual Chlorine Present? Yes _____ No ✓

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CHAIN OF CUSTODY

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Page ____ of ____

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information
Company Name: CH2M HILL	Project Name: CTO 94
Address: 3301 Beechcroft Ste 300	Sampling Location: Camp Lejeune
City: Raleigh State: NC Zip: 27604	Turnaround time:
Project Contact: Paul Weber	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 269-762-3433	Are aqueous samples field filtered for metals? Y or (N)
Sampler's Name: Verd Anna Cunningham	Are high concentrations expected? Y or (N)? If yes, which ID(s)?

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Requested Analysis: TAL metals 6010B/7470	Hexavalent Chromium 7196A	PAHs 8270C	Pesticides 8081	Matrices	pH / Sample Info (Lab Use)
1005187-07	BBG-GW09-10B	5/26	1130	GW	5			1			4	X	X	X	X	W	<2
-08	BBG-GW09D-10B	5/26	1135	GW	5			1			4	X	X	X	X	W	<2

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

Lab Use Only

Sample Unpacked By: Diane Byrd
Sample Order Entry By: Amy Doty
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

Sample Custody

Relinquished by: Verd Anna Cunningham	Date/Time: 5/26/10 1730	Received by: Eli Gunsalus	Date/Time: 5-26-10 1735
Relinquished by:	Date/Time:	Received by: Amy Doty	Date/Time: 5/26/10 1945
Subcontact? Y or (N) If yes, where?	Custody Seal(s) intact? (Y) or N	On Ice? (Y) or N	Cooler Temp: 1.8 °C

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SN0015

Residual Chlorine Present?
Yes _____ No ✓

24926

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Page ____ of ____

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information	Requested Analysis (include method and bottle type)	Matrices
Company Name: CH2M HILL	Project Name: CTO 94		GW - Ground water
Address: 3201 Beechleaf Ct Ste 300	Sampling Location: Camp Lejeune		WW - Waste water
City: Raleigh State: NC Zip: 27604	Turnaround time		SW - Surface water
Project Contact: Paul Weber	Batch QC or Project Specific? If Specific, which Sample ID?		SO - Soil/Sediment
Phone #: 269-762-3433	Are aqueous samples field filtered for metals? Y or (N)		TB - Trip Blank
Sampler's Name: Verd Anna Cunningham	Are high concentrations expected? Y or (N)? If yes, which ID(s)?		RI - Rinsate
			WP - Wipe
			O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other none	TAL Metals 6010B/7470 500	Hexavalent Chromium 7196A	PAHs 8270C 3AL	Pesticides 8081	pH / Sample Info (Lab Use): TAL Metals
1005187-09	BBG-GW08-10B	5/26	1445	GW	5			1			4	X	X	X	X	K2

Lab Use Only

Sample Unpacked By: Dicy
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments

Sample Custody

Relinquished by: Verd Anna Cunningham	Date/Time: 5/26/10 1730	Received by: FedEx Courier	Date/Time: 5-26-10 5:35
Relinquished by:	Date/Time:	Received by:	Date/Time: 5/27/10 1945
Subcontact? Y or N If yes, where?	Custody Seal(s) intact? Y or N	On Ice? Y or N	Cooler Temp: 0.7 °C

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SN0015

Residual Chlorine Present?
Yes _____ No ✓

cooler #3

20706

Page 1 of 1

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CHAIN OF CUSTODY

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Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

3AL

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information
Company Name: CH2M HILL	Project Name: CTO 94
Address: 3201 Beechleaf Ct Ste 304	Sampling Location: Camp Lejeune
City: Raleigh State: NC Zip: 27604	Turnaround time:
Project Contact: Paul Weber	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 9198754311	Are aqueous samples field filtered for metals? Y or N
Sampler's Name: Rachel Zeyar	Are high concentrations expected? Y or N? If yes, which ID(s)?

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Preserved Bottles HCl	NaOH	HNO3	H2SO4	MEOH	Other	Requested Analysis: TAL metals 6010B/7470 500	Hex Chromium 7196A 125	PAHs 8270C Reduced (2)	Pesticides 8081	pH / Sample Info (Lab Use)
1005187-10	BBG-GW07-1013	5/27	0830	GW	5			1			4	X	X	X	X	TAL metals K2
1 -11	BBG-EBI-052710	↓	1525	I	↓			1			4	X	X	X	X	K2

Lab Use Only		Comments
Sample Unpacked By:	Cyanide samples checked for sulfide & chlorine? Y or NA	
Sample Order Entry By:	625 & Phenol samples checked for chlorine? Y or NA	
Samples Received in Good Condition? Y or N	608 samples checked for pH between 5.0-9.0? Y or NA	
If no, explain:		

Sample Custody			
Relinquished by: R Zeyar	Date/Time: 5/27/10 2005	Received by:	Date/Time: 5/27/10 2005
Relinquished by:	Date/Time:	Received by:	Date/Time:
Subcontact? Y or N If yes, where?	Custody Seal(s) intact? Y or N	On Ice? Y or N	Cooler Temp: 1.5 3.9 °C

Samples stored 60 days after date report mailed at no extra charge.

hand delivery

White & Yellow copy to lab • Pink copy for customer

5/28/10 SN0015

Residual Chlorine Present? Yes ____ No ✓

Cooler # 2

20705

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CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information	Requested Analysis (include method and bottle type)	Matrices
Company Name: CH2M HILL	Project Name: CTO94		GW - Ground water
Address: 3301 Beechleaf Ct Ste 304	Sampling Location: Camp Lejeune		WW - Waste water
City: Raleigh State: NC Zip: 27604	Turnaround time		SW - Surface water
Project Contact: Paul Weber	Batch QC or Project Specific? If Specific, which Sample ID?		SO - Soil/Sediment
Phone #: 9198754311	Are aqueous samples field filtered for metals? Y or N		TB - Trip Blank
Sampler's Name: Rachel Zayac	Are high concentrations expected? Y or N? If yes, which ID(s)?		RI - Rinsate
			WP - Wipe
			O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	TAL metals 6010B/7470 500	Hex Chromium 7196A 125	PAHs 8270C 3AU	Pesticides 8081	pH / Sample Info (Lab Use)
1005187-12	BBG-GW04-10B	5/22	1130	GW	9			1			4	X	X	X	X	X2 TAL metals
-13	BBG-GW03DUP-10B	1	1410	1	↓			1			4	X	X	X	X	X2

Lab Use Only

Sample Unpacked By: Diane Bynd
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

Sample Custody

Relinquished by: K Zayac	Date/Time: 5/27/10 2005	Received by:	Date/Time: 5/27/10 2005
Relinquished by:	Date/Time:	Received by:	Date/Time:
Subcontact? Y or N If yes, where?	Custody Seal(s) intact? (Y) or N	On Ice? (Y) or N	Cooler Temp: 1.3 °C

Samples stored 60 days after date report mailed at no extra charge.

hand delivery

White & Yellow copy to lab • Pink copy for customer

SN0015

Residual Chlorine Present? Yes ____ No ✓

Cooler #1

20704

Page 1 of 1

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CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information	Project Information
Company Name: CH2M HILL	Project Name: CTO 94
Address: 3301 Beechleaf Ct Ste 304	Sampling Location: MCB Camp Lejeune
City: Raleigh State: NC Zip: 27604	Turnaround time
Project Contact: Paul Weber	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 919 875 4311	Are aqueous samples field filtered for metals? Y or N
Sampler's Name: Rachel Zayac	Are high concentrations expected? Y or N? If yes, which ID(s)?

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Requested Analysis: TAL metals 6010B/7470A 500	Hex chromium 7196A 125	PAHs 8270C	pesticides 8081A	pH / Sample Info (Lab Use): TAL Metals
100518-14	BBG-GW02-10B	5/27	1400	GW	15			3			12	X	X	X	X	X2

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

Lab Use Only

Sample Unpacked By: Grace Byrd
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

MS/MSD

Sample Custody

Relinquished by: R Zayac	Date/Time: 5/27/10 2005	Received by:	Date/Time: 5/27/10 2005
Relinquished by:	Date/Time:	Received by:	Date/Time:
Subcontact? Y or N If yes, where?	Custody Seal(s) intact? Y or (N)	On Ice? (Y) or N	Cooler Temp: 5.1 °C

Samples stored 60 days after date report mailed at no extra charge.

hand delivery

White & Yellow copy to lab • Pink copy for customer SW0015

Residual Chlorine Present? Yes ____ No ✓ Cooler 4

CHAIN OF CUSTODY

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20707

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Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier:
Airbill No.:
Sampling Complete? Y or N

Client/Reporting Information	Project Information
Company Name: CH2M HILL	Project Name: CTO 94
Address: 3301 Beeneaf Ct Ste 304	Sampling Location: Camp Lejeune
City: Raleigh State: NC Zip: 27604	Turnaround time:
Project Contact: Paul Weber	Batch QC or Project Specific? If Specific, which Sample ID?
Phone #: 9198754311	Are aqueous samples field filtered for metals? Y or N
Sampler's Name: Rachel Zajac	Are high concentrations expected? Y or N? If yes, which ID(s)?

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	Number of Preserved Bottles: HCl	NaOH	HNO3	H2SO4	MEOH	Other	Requested Analysis: TAL metals 6010B/7470 500	Hex Chromium 7196A 125	PAHs 8270C 3AA	Pesticides 8081	pH / Sample Info (Lab Use): TAL Metals
1005187-15	BBGTEB2-052710	5/27	1545	GW	5			1			4	X	X	X	X	<2
-16	BBGTEB3-052710	↓	1545	↓	↓			1			4	X	X	X	X	<2

Lab Use Only

Sample Unpacked By: [signature]
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

Sample Custody

Relinquished by: [signature]	Date/Time: 5/27/10 2005	Received by: [signature]	Date/Time: 5/27/10 2005
Relinquished by:	Date/Time:	Received by:	Date/Time:
Subcontact? Y or N If yes, where?	Custody Seal(s) intact? Y or (N)	On Ice? (Y) or N	Cooler Temp: 2.7 °C

Samples stored 60 days after date report mailed at no extra charge.

Hand delivery

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SN0015

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Sample ID Cross Reference

LAB WO	Project	Sample #	Field ID	Sample Date	Rec Date	DueDate	Chain of Custody ID
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-01	BBG-GW10	05/24/2010	05/24/2010	06/09/2010	BBG-GW10-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-01	BBG-GW10	05/24/2010	05/24/2010	06/16/2010	BBG-GW10-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-02	FB-052510	05/25/2010	05/25/2010	06/09/2010	BBG-FB-052510
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-02	FB-052510	05/25/2010	05/25/2010	06/16/2010	BBG-FB-052510
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-03	BBG-GW01	05/25/2010	05/25/2010	06/09/2010	BBG-GW01-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-03	BBG-GW01	05/25/2010	05/25/2010	06/16/2010	BBG-GW01-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-04	EB1-052510	05/25/2010	05/25/2010	06/09/2010	BBG-EB1-052510
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-04	EB1-052510	05/25/2010	05/25/2010	06/16/2010	BBG-EB1-052510
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-05	BBG-GW03	05/25/2010	05/25/2010	06/09/2010	BBG-GW03-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-05	BBG-GW03	05/25/2010	05/25/2010	06/16/2010	BBG-GW03-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-06	EB2-052510	05/25/2010	05/25/2010	06/09/2010	BBG-EB2-052510
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-06	EB2-052510	05/25/2010	05/25/2010	06/16/2010	BBG-EB2-052510
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-07	BBG-GW09	05/26/2010	05/26/2010	06/09/2010	BBG-GW09-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-07	BBG-GW09	05/26/2010	05/26/2010	06/16/2010	BBG-GW09-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-08	BBG-GW09D	05/26/2010	05/26/2010	06/09/2010	BBG-GW09D-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-08	BBG-GW09D	05/26/2010	05/26/2010	06/16/2010	BBG-GW09D-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-09	BBG-GW08	05/26/2010	05/26/2010	06/09/2010	BBG-GW08-10B

LAB WO	Project	Sample #	Field ID	Sample Date	Rec Date	DueDate	Chain of Custody ID
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-09	BBG-GW08	05/26/2010	05/26/2010	06/16/2010	BBG-GW08-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-10	BBG-GW07	05/27/2010	05/27/2010	06/09/2010	BBG-GW07-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-10	BBG-GW07	05/27/2010	05/27/2010	06/16/2010	BBG-GW07-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-11	EB1-052710	05/27/2010	05/27/2010	06/09/2010	BBG-EB1-052710
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-11	EB1-052710	05/27/2010	05/27/2010	06/16/2010	BBG-EB1-052710
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-12	BBG-GW04	05/27/2010	05/27/2010	06/09/2010	BBG-GW04-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-12	BBG-GW04	05/27/2010	05/27/2010	06/16/2010	BBG-GW04-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-13	BBG-GW03UCH	05/27/2010	05/27/2010	06/09/2010	BBG-GW03UCH-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-13	BBG-GW03UCH	05/27/2010	05/27/2010	06/16/2010	BBG-GW03UCH-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-14	BBG-GW02	05/27/2010	05/27/2010	06/09/2010	BBG-GW02-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-14	BBG-GW02	05/27/2010	05/27/2010	06/16/2010	BBG-GW02-10B
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-15	EB2-052710	05/27/2010	05/27/2010	06/09/2010	BBG-EB2-052710
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-15	EB2-052710	05/27/2010	05/27/2010	06/16/2010	BBG-EB2-052710
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-16	EB3-052710	05/27/2010	05/27/2010	06/09/2010	BBG-EB3-052710
1005187	CTO-094 MCB CAMP LEJEUNE/395307.SA	1005187-16	EB3-052710	05/27/2010	05/27/2010	06/16/2010	BBG-EB3-052710

WORK ORDER

1005187

Printed: 6/21/2010 3:14:14PM

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DI**
SDG:	**1005187** **CASE:**	**Status:**	**Reviewed**

Report To:
CH2M HILL, INC.
REBEKHA SHAW
5700 CLEVELAND STREET, SUITE 101
VIRGINIA BEACH, VA 23462
Phone: 757-671-8311
Fax: -

Invoice To:
CH2M HILL, INC.
ACCOUNTS PAYABLE
P.O. BOX 241329
DENVER, CO 80224
Phone :757-671-8311
Fax: -

Date Due: 06/16/2010 00:00 (20 day TAT)

Received By: Cathy Dover — Date Received: 05/27/2010 20:05

Logged In By: Cathy Dover — Date Logged In: 05/25/2010 13:37

J & B Flags?: **YES**	TICS?:**NO**	Deliverable: **Style 9 PQL/MDL Forms**	EDD : **30) CH2 SNEDD**
Metals ND to? **RL/CRQL**	Spike Level: **FULL Spike**		

DOD CRITERIA*USE 1005187-14 FOR QC*SIM 8270C=PAH.SUB*PEST 8081A* TAL METALS*HEXAVALENT Cr 7196A + Cr+3 REPORTED ON FORMS & EDD

Analysis	Due	TAT	Expires	Received	Comments
1005187-01 BBG-GW10 [Water] Sampled 05/24/2010 13:30 Eastern					
6010B METALS TAL	06/16/2010 16:00	20	11/20/2010 13:30	05/24/2010 16:15	
7470A/7471A Mercury	06/16/2010 16:00	20	06/21/2010 13:30	05/24/2010 16:15	
GC-8081A/PEST	06/16/2010 16:00	20	05/31/2010 13:30	05/24/2010 16:15	
SVOC 8270C SIM PAH	06/16/2010 16:00	20	05/31/2010 13:30	05/24/2010 16:15	
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/20/2010 13:30	05/24/2010 16:15	
1005187-02 FB-052510 [Water] Sampled 05/25/2010 09:40 Eastern					**FIELD BLK**
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/01/2010 09:40	05/25/2010 20:25	
GC-8081A/PEST	06/16/2010 16:00	20	06/01/2010 09:40	05/25/2010 20:25	
6010B METALS TAL	06/16/2010 16:00	20	11/21/2010 09:40	05/25/2010 20:25	
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/21/2010 09:40	05/25/2010 20:25	
7470A/7471A Mercury	06/16/2010 16:00	20	06/22/2010 09:40	05/25/2010 20:25	
1005187-03 BBG-GW01 [Water] Sampled 05/25/2010 10:10 Eastern					
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/21/2010 10:10	05/25/2010 20:25	
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/01/2010 10:10	05/25/2010 20:25	
GC-8081A/PEST	06/16/2010 16:00	20	06/01/2010 10:10	05/25/2010 20:25	
7470A/7471A Mercury	06/16/2010 16:00	20	06/22/2010 10:10	05/25/2010 20:25	
6010B METALS TAL	06/16/2010 16:00	20	11/21/2010 10:10	05/25/2010 20:25	

1005187

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005187** **CASE:**	**Status:**	**Reported**

Analysis	Due	TAT	Expires	Comments
1005187-04 EB1-052510 [Water] Sampled 05/25/2010 17:00 Eastern				**EQUIP. BLK**
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/21/2010 17:00	05/25/2010 20:25
6010B METALS TAL	06/16/2010 16:00	20	11/21/2010 17:00	05/25/2010 20:25
7470A/7471A Mercury	06/16/2010 16:00	20	06/22/2010 17:00	05/25/2010 20:25
GC-8081A/PEST	06/16/2010 16:00	20	06/01/2010 17:00	05/25/2010 20:25
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/01/2010 17:00	05/25/2010 20:25
1005187-05 BBG-GW03 [Water] Sampled 05/25/2010 16:35 Eastern				
GC-8081A/PEST	06/16/2010 16:00	20	06/01/2010 16:35	05/25/2010 20:25
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/01/2010 16:35	05/25/2010 20:25
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/21/2010 16:35	05/25/2010 20:25
6010B METALS TAL	06/16/2010 16:00	20	11/21/2010 16:35	05/25/2010 20:25
7470A/7471A Mercury	06/16/2010 16:00	20	06/22/2010 16:35	05/25/2010 20:25
1005187-06 EB2-052510 [Water] Sampled 05/25/2010 10:35 Eastern				**EQUIP. BLK**
6010B METALS TAL	06/16/2010 16:00	20	11/21/2010 10:35	05/25/2010 20:25
7470A/7471A Mercury	06/16/2010 16:00	20	06/22/2010 10:35	05/25/2010 20:25
GC-8081A/PEST	06/16/2010 16:00	20	06/01/2010 10:35	05/25/2010 20:25
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/01/2010 10:35	05/25/2010 20:25
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/21/2010 10:35	05/25/2010 20:25
1005187-07 BBG-GW09 [Water] Sampled 05/26/2010 11:30 Eastern				
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/22/2010 11:30	05/26/2010 19:45
GC-8081A/PEST	06/16/2010 16:00	20	06/02/2010 11:30	05/26/2010 19:45
6010B METALS TAL	06/16/2010 16:00	20	11/22/2010 11:30	05/26/2010 19:45
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/02/2010 11:30	05/26/2010 19:45
7470A/7471A Mercury	06/16/2010 16:00	20	06/23/2010 11:30	05/26/2010 19:45
1005187-08 BBG-GW09D [Water] Sampled 05/26/2010 11:35 Eastern				
7470A/7471A Mercury	06/16/2010 16:00	20	06/23/2010 11:35	05/26/2010 19:45
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/02/2010 11:35	05/26/2010 19:45
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/22/2010 11:35	05/26/2010 19:45
6010B METALS TAL	06/16/2010 16:00	20	11/22/2010 11:35	05/26/2010 19:45
GC-8081A/PEST	06/16/2010 16:00	20	06/02/2010 11:35	05/26/2010 19:45

1005187

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005187** **CASE:**	**Status:**	**Reported**

Analysis	Due	TAT	Expires	Comments
1005187-09 BBG-GW08 [Water] Sampled 05/26/2010 14:45 Eastern				
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/02/2010 14:45	05/26/2010 19:45
GC-8081A/PEST	06/16/2010 16:00	20	06/02/2010 14:45	05/26/2010 19:45
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/22/2010 14:45	05/26/2010 19:45
6010B METALS TAL	06/16/2010 16:00	20	11/22/2010 14:45	05/26/2010 19:45
7470A/7471A Mercury	06/16/2010 16:00	20	06/23/2010 14:45	05/26/2010 19:45
1005187-10 BBG-GW07 [Water] Sampled 05/27/2010 08:30 Eastern				
GC-8081A/PEST	06/16/2010 16:00	20	06/03/2010 08:30	05/27/2010 20:05
6010B METALS TAL	06/16/2010 16:00	20	11/23/2010 08:30	05/27/2010 20:05
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/23/2010 08:30	05/27/2010 20:05
7470A/7471A Mercury	06/16/2010 16:00	20	06/24/2010 08:30	05/27/2010 20:05
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/03/2010 08:30	05/27/2010 20:05
1005187-11 EB1-052710 [Water] Sampled 05/27/2010 15:25 Eastern				
GC-8081A/PEST	06/16/2010 16:00	20	06/03/2010 15:25	05/27/2010 20:05
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/03/2010 15:25	05/27/2010 20:05
6010B METALS TAL	06/16/2010 16:00	20	11/23/2010 15:25	05/27/2010 20:05
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/23/2010 15:25	05/27/2010 20:05
7470A/7471A Mercury	06/16/2010 16:00	20	06/24/2010 15:25	05/27/2010 20:05
1005187-12 BBG-GW04 [Water] Sampled 05/27/2010 11:30 Eastern				
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/23/2010 11:30	05/27/2010 20:05
GC-8081A/PEST	06/16/2010 16:00	20	06/03/2010 11:30	05/27/2010 20:05
7470A/7471A Mercury	06/16/2010 16:00	20	06/24/2010 11:30	05/27/2010 20:05
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/03/2010 11:30	05/27/2010 20:05
6010B METALS TAL	06/16/2010 16:00	20	11/23/2010 11:30	05/27/2010 20:05
1005187-13 BBG-GW03UCH [Water] Sampled 05/27/2010 14:10 Eastern				
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/23/2010 14:10	05/27/2010 20:05
6010B METALS TAL	06/16/2010 16:00	20	11/23/2010 14:10	05/27/2010 20:05
7470A/7471A Mercury	06/16/2010 16:00	20	06/24/2010 14:10	05/27/2010 20:05
GC-8081A/PEST	06/16/2010 16:00	20	06/03/2010 14:10	05/27/2010 20:05
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/03/2010 14:10	05/27/2010 20:05

1005187

COMPUCHEM

Client:	**CH2M HILL, INC.**	**Project Manager:**	**Cathy Dover**
Project:	**CTO-094 MCB CAMP LEJEUNE/395307.SA.DM**	**Project Number:**	**CTO-094 MCB CAMP LEJEUNE/395307.SA.D**
SDG:	**1005187** **CASE:**	**Status:**	**Reported**

Analysis	Due	TAT	Expires	Comments
1005187-14 BBG-GW02 [Water] Sampled 05/27/2010 14:00 Eastern				**USE FOR QC**
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/03/2010 14:00	05/27/2010 20:05
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/23/2010 14:00	05/27/2010 20:05
6010B METALS TAL	06/16/2010 16:00	20	11/23/2010 14:00	05/27/2010 20:05
7470A/7471A Mercury	06/16/2010 16:00	20	06/24/2010 14:00	05/27/2010 20:05
GC-8081A/PEST	06/16/2010 16:00	20	06/03/2010 14:00	05/27/2010 20:05
1005187-15 EB2-052710 [Water] Sampled 05/27/2010 15:45 Eastern				
GC-8081A/PEST	06/16/2010 16:00	20	06/03/2010 15:45	05/27/2010 20:05
6010B METALS TAL	06/16/2010 16:00	20	11/23/2010 15:45	05/27/2010 20:05
7470A/7471A Mercury	06/16/2010 16:00	20	06/24/2010 15:45	05/27/2010 20:05
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/23/2010 15:45	05/27/2010 20:05
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/03/2010 15:45	05/27/2010 20:05
1005187-16 EB3-052710 [Water] Sampled 05/27/2010 15:45 Eastern				
SVOC 8270C SIM PAH	06/16/2010 16:00	20	06/03/2010 15:45	05/27/2010 20:05
7470A/7471A Mercury	06/16/2010 16:00	20	06/24/2010 15:45	05/27/2010 20:05
6010B METALS TAL	06/16/2010 16:00	20	11/23/2010 15:45	05/27/2010 20:05
TRIVALENT CHROMIUM Cr3 7196A	06/16/2010 16:00	20	11/23/2010 15:45	05/27/2010 20:05
GC-8081A/PEST	06/16/2010 16:00	20	06/03/2010 15:45	05/27/2010 20:05

Analysis groups included in this work order

TRIVALENT CHROMIUM Cr3 7196A

Total Cr by Metals HEXAVALENT CHROMI

CompuChem
A Division Of
Liberty Analytical Corp.

8/6/2010

REBEKHA SHAW

CH2M HILL, INC.

P.O. BOX 241329

DENVER, CO 80224

Subject:

Report of Data - Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM
WorkOrder: 1005187

Attn. REBEKHA SHAW

Enclosed are the results of analytical work performed in accordance with the referenced account number. This report covers sample(s) appearing on the listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097

Sincerely,

TOTAL NUMBER

OF PAGES _____

Compuchem

a division of Liberty Analytical Corporation

Attachment

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BBG-GW10	1005187-01	Water	05/24/2010 13:30	05/24/2010 16:15
FB-052510	1005187-02	Water	05/25/2010 09:40	05/25/2010 20:25
BBG-GW01	1005187-03	Water	05/25/2010 10:10	05/25/2010 20:25
EB1-052510	1005187-04	Water	05/25/2010 17:00	05/25/2010 20:25
BBG-GW03	1005187-05	Water	05/25/2010 16:35	05/25/2010 20:25
EB2-052510	1005187-06	Water	05/25/2010 10:35	05/25/2010 20:25
BBG-GW09	1005187-07	Water	05/26/2010 11:30	05/26/2010 19:45
BBG-GW09D	1005187-08	Water	05/26/2010 11:35	05/26/2010 19:45
BBG-GW08	1005187-09	Water	05/26/2010 14:45	05/26/2010 19:45
BBG-GW07	1005187-10	Water	05/27/2010 08:30	05/27/2010 20:05
EB1-052710	1005187-11	Water	05/27/2010 15:25	05/27/2010 20:05
BBG-GW04	1005187-12	Water	05/27/2010 11:30	05/27/2010 20:05
BBG-GW03UCH	1005187-13	Water	05/27/2010 14:10	05/27/2010 20:05
BBG-GW02	1005187-14	Water	05/27/2010 14:00	05/27/2010 20:05
EB2-052710	1005187-15	Water	05/27/2010 15:45	05/27/2010 20:05
EB3-052710	1005187-16	Water	05/27/2010 15:45	05/27/2010 20:05

COMPUCHEM

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Preeti Khare For Cathy Dover, Project Manager

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

BBG-GW10

1005187-01 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	**1.30**	J	5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	10.0	ug/L	1	0060138	05/25/2010 10:15	05/25/2010 10:31	EPA 7196A
Trivalent Chromium	**1.30**		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	EPA 7196A

CompuChem
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Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

FB-052510

1005187-02 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	**1.20**	J	5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	10.0	ug/L	1	0060138	05/26/2010 09:00	05/26/2010 10:00	EPA 7196A
Trivalent Chromium	**1.20**		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	EPA 7196A

CompuChem
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Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

BBG-GW01

1005187-03 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	**7.00**		5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	10.0	ug/L	1	0060138	05/26/2010 09:00	05/26/2010 10:01	EPA 7196A
Trivalent Chromium	**7.00**		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	EPA 7196A

CompuChem
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Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

EB1-052510

1005187-04 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	**0.96**	J	5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**1.25**	J, B	10.0	ug/L	1	0060138	05/26/2010 09:00	05/26/2010 10:02	EPA 7196A
Trivalent Chromium	ND		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	EPA 7196A

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

BBG-GW03

1005187-05 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	**1.70**	J	5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	10.0	ug/L	1	0060138	05/26/2010 09:00	05/26/2010 10:03	EPA 7196A
Trivalent Chromium	**1.70**		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	EPA 7196A

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

EB2-052510

1005187-06 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	**0.85**	J	5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	10.0	ug/L	1	0060138	05/26/2010 09:00	05/26/2010 10:04	EPA 7196A
Trivalent Chromium	**0.850**		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	EPA 7196A

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

BBG-GW09

1005187-07 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	**44.0**		5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	10.0	ug/L	1	0060138	05/27/2010 08:59	05/27/2010 09:24	EPA 7196A
Trivalent Chromium	**44.0**		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	EPA 7196A

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

BBG-GW09D

1005187-08 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	**7.10**		5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	10.0	ug/L	1	0060138	05/27/2010 08:59	05/27/2010 09:25	EPA 7196A
Trivalent Chromium	**7.10**		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	EPA 7196A

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

BBG-GW08

1005187-09 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	**5.50**		5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	10.0	ug/L	1	0060138	05/27/2010 08:59	05/27/2010 09:26	EPA 7196A
Trivalent Chromium	**5.50**		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	EPA 7196A

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

BBG-GW07

1005187-10 (Water)

COMPUCHEM

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
TOTAL METALS BY ICP/CV									
Chromium	**1.20**	J	5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**10.6**	B	10.0	ug/L	1	0060138	05/28/2010 07:59	05/28/2010 08:30	EPA 7196A
Trivalent Chromium	ND		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	EPA 7196A

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

EB1-052710

1005187-11 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	ND		5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**2.27**	J, B	10.0	ug/L	1	0060138	05/28/2010 07:59	05/28/2010 08:30	EPA 7196A
Trivalent Chromium	ND		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	EPA 7196A

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

BBG-GW04

1005187-12 (Water)

COMPUCHEM

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
TOTAL METALS BY ICP/CV									
Chromium	**3.70**	J	5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**1.66**	J, B	10.0	ug/L	1	0060138	05/28/2010 07:59	05/28/2010 08:31	EPA 7196A
Trivalent Chromium	**2.04**		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	EPA 7196A

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

BBG-GW03UCH

1005187-13 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	**2.30**	J	5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**1.73**	J, B	10.0	ug/L	1	0060138	05/28/2010 07:59	05/28/2010 08:32	EPA 7196A
Trivalent Chromium	ND		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	EPA 7196A

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

BBG-GW02

1005187-14 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	ND		5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**5.19**	J, B	10.0	ug/L	1	0060138	05/28/2010 07:59	05/28/2010 08:33	EPA 7196A
Trivalent Chromium	ND		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	EPA 7196A

CompuChem
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Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

EB2-052710

1005187-15 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	**0.91**	J	5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**1.72**	J, B	10.0	ug/L	1	0060138	05/28/2010 07:59	05/28/2010 08:34	EPA 7196A
Trivalent Chromium	ND		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	EPA 7196A

CompuChem
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Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

EB3-052710

1005187-16 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	**1.30**	J	5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**2.32**	J, B	10.0	ug/L	1	0060138	05/28/2010 07:59	05/28/2010 08:35	EPA 7196A
Trivalent Chromium	ND		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	EPA 7196A

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

WET CHEMISTRY PARAMETERS - Quality Control

COMPUCHEM

Analyte	Result		Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0060138 - Default Prep GenChem											
Blank (0060138-BLK1)					Prepared: 05/25/2010 10:15 Analyzed: 05/25/2010 10:19						
Hexavalent Chromium	ND	U	10.0	ug/L							
Blank (0060138-BLK2)					Prepared: 05/26/2010 09:00 Analyzed: 05/26/2010 09:58						
Hexavalent Chromium	ND	U	10.0	ug/L							
Blank (0060138-BLK3)					Prepared: 05/27/2010 08:59 Analyzed: 05/27/2010 09:21						
Hexavalent Chromium	ND	U	10.0	ug/L							
Blank (0060138-BLK4)					Prepared: 05/28/2010 07:59 Analyzed: 05/28/2010 08:27						
Hexavalent Chromium	1.83	J	10.0	ug/L							
LCS (0060138-BS1)					Prepared: 05/25/2010 10:15 Analyzed: 05/25/2010 10:20						
Hexavalent Chromium	256	B	10.0	ug/L	250.0		103	90-110			
LCS (0060138-BS2)					Prepared: 05/26/2010 09:00 Analyzed: 05/26/2010 09:58						
Hexavalent Chromium	253	B	10.0	ug/L	250.0		101	90-110			
LCS (0060138-BS3)					Prepared: 05/27/2010 09:00 Analyzed: 05/27/2010 09:22						
Hexavalent Chromium	247	B	10.0	ug/L	250.0		99.0	90-110			
LCS (0060138-BS4)					Prepared: 05/28/2010 08:00 Analyzed: 05/28/2010 08:28						
Hexavalent Chromium	250	B	10.0	ug/L	250.0		99.9	90-110			
LCS Dup (0060138-BSD1)					Prepared: 05/25/2010 10:15 Analyzed: 05/25/2010 10:21						
Hexavalent Chromium	252	B	10.0	ug/L	250.0		101	90-110	1.85	20	
LCS Dup (0060138-BSD2)					Prepared: 05/26/2010 09:00 Analyzed: 05/26/2010 09:59						
Hexavalent Chromium	254	B	10.0	ug/L	250.0		102	90-110	0.229	20	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

CompuChem
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CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

WET CHEMISTRY PARAMETERS - Quality Control

COMPUCHEM

Analyte	Result		Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0060138 - Default Prep GenChem											
LCS Dup (0060138-BSD3)					Prepared: 05/27/2010 09:00		Analyzed: 05/27/2010 09:23				
Hexavalent Chromium	249	B	10.0	ug/L	250.0		99.5	90-110	0.536	20	
LCS Dup (0060138-BSD4)					Prepared: 05/28/2010 08:00		Analyzed: 05/28/2010 08:29				
Hexavalent Chromium	247	B	10.0	ug/L	250.0		98.8	90-110	1.16	20	
Matrix Spike (0060138-MS1)		**Source: 1005187-14**			Prepared: 05/28/2010 11:00		Analyzed: 05/28/2010 11:01				
Hexavalent Chromium	114	B	10.0	ug/L	100.0	5.19	109	75-125			
Matrix Spike Dup (0060138-MSD1)		**Source: 1005187-14**			Prepared: 05/28/2010 11:00		Analyzed: 05/28/2010 11:02				
Hexavalent Chromium	114	B	10.0	ug/L	100.0	5.19	108	75-125	0.291	20	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Preeti Khare For Cathy Dover, Project Manager

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

Notes and Definitions

U	The compound was analyzed for but not detected (CLP U-flag).
J	Compound detected below the Reporting Limit; therefore, result is an estimated concentration (CLP J-flag).
B	Analyte is found in associated blank as well as in the sample (CLP B-flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Default Report (not modified)
			VERSION 6.04:2001
	HEXAVALENT CHROMIUM 7	(Water)	B-Flags used
	HEXAVALENT CHROMIUM 7	(Water)	D-Flags used
	HEXAVALENT CHROMIUM 7	(Water)	J-Flags used
	HEXAVALENT CHROMIUM 7	(Water)	Result calculations based on MDL
	HEXAVALENT CHROMIUM 7	(Water)	Special Units: (ug/L)
	HEXAVALENT CHROMIUM 7	(Water)	U-Flags used
	Total Cr by Metals	(Water)	B-Flags used
	Total Cr by Metals	(Water)	J-Flags used
	Total Cr by Metals	(Water)	Result calculations based on MDL
	Total Cr by Metals	(Water)	RPD calculations based on %Recovery
	Total Cr by Metals	(Water)	Special Units: (ug/L)
	TRIVALENT CHROMIUM Cr3	(Water)	B-Flags used
	TRIVALENT CHROMIUM Cr3	(Water)	D-Flags used
	TRIVALENT CHROMIUM Cr3	(Water)	J-Flags used
	TRIVALENT CHROMIUM Cr3	(Water)	Result calculations based on MDL
	TRIVALENT CHROMIUM Cr3	(Water)	U-Flags used
0060138-BLK4	HEXAVALENT CHROMIUM 7	Hexavalent Chromium	Blank >1 x MDL

CompuChem

A Division Of

Liberty Analytical Corp.

8/6/2010

REBEKHA SHAW

CH2M HILL, INC.

P.O. BOX 241329

DENVER, CO 80224

Subject:

Report of Data - Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM

WorkOrder: 1005187

Attn. REBEKHA SHAW

Enclosed are the results of analytical work performed in accordance with the referenced account number. This report covers sample(s) appearing on the listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097

Sincerely,

TOTAL NUMBER OF PAGES ____

Compuchem

a division of Liberty Analytical Corporation

Attachment

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

CompuChem
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Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BBG-GW10	1005187-01	Water	05/24/2010 13:30	05/24/2010 16:15
FB-052510	1005187-02	Water	05/25/2010 09:40	05/25/2010 20:25
BBG-GW01	1005187-03	Water	05/25/2010 10:10	05/25/2010 20:25
EB1-052510	1005187-04	Water	05/25/2010 17:00	05/25/2010 20:25
BBG-GW03	1005187-05	Water	05/25/2010 16:35	05/25/2010 20:25
EB2-052510	1005187-06	Water	05/25/2010 10:35	05/25/2010 20:25
BBG-GW09	1005187-07	Water	05/26/2010 11:30	05/26/2010 19:45
BBG-GW09D	1005187-08	Water	05/26/2010 11:35	05/26/2010 19:45
BBG-GW08	1005187-09	Water	05/26/2010 14:45	05/26/2010 19:45
BBG-GW07	1005187-10	Water	05/27/2010 08:30	05/27/2010 20:05
EB1-052710	1005187-11	Water	05/27/2010 15:25	05/27/2010 20:05
BBG-GW04	1005187-12	Water	05/27/2010 11:30	05/27/2010 20:05
BBG-GW03UCH	1005187-13	Water	05/27/2010 14:10	05/27/2010 20:05
BBG-GW02	1005187-14	Water	05/27/2010 14:00	05/27/2010 20:05
EB2-052710	1005187-15	Water	05/27/2010 15:45	05/27/2010 20:05
EB3-052710	1005187-16	Water	05/27/2010 15:45	05/27/2010 20:05

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

BBG-GW10

1005187-01 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	**1.30**	J	5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	10.0	ug/L	1	0060138	05/25/2010 10:15	05/25/2010 10:31	EPA 7196A
Trivalent Chromium	**1.30**	J	5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	EPA 7196A

cdau 8/9/10

CompuChem
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Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

FB-052510

1005187-02 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	**1.20**	J	5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	10.0	ug/L	1	0060138	05/26/2010 09:00	05/26/2010 10:00	EPA 7196A
Trivalent Chromium	**1.20**	J	5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	EPA 7196A

cdar 8/9/10

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

BBG-GW01

1005187-03 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	**7.00**		5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	10.0	ug/L	1	0060138	05/26/2010 09:00	05/26/2010 10:01	EPA 7196A
Trivalent Chromium	**7.00**		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	EPA 7196A

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A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

EB1-052510

1005187-04 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	**0.96**	J	5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**1.25**	J, B	10.0	ug/L	1	0060138	05/26/2010 09:00	05/26/2010 10:02	EPA 7196A
Trivalent Chromium	ND	U	5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	EPA 7196A

cda 8/9/10

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

BBG-GW03

1005187-05 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	**1.70**	J	5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	10.0	ug/L	1	0060138	05/26/2010 09:00	05/26/2010 10:03	EPA 7196A
Trivalent Chromium	**1.70**	J	5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	EPA 7196A

cdai 8/9/10

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

EB2-052510

1005187-06 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	**0.85**	J	5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	10.0	ug/L	1	0060138	05/26/2010 09:00	05/26/2010 10:04	EPA 7196A
Trivalent Chromium	**0.850**	J	5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	EPA 7196A

cdar 8/9/10

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Preeti Khare For Cathy Dover, Project Manager

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CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

BBG-GW09

1005187-07 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
				COMPUCHEM					
TOTAL METALS BY ICP/CV									
Chromium	**44.0**		5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	10.0	ug/L	1	0060138	05/27/2010 08:59	05/27/2010 09:24	EPA 7196A
Trivalent Chromium	**44.0**		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	EPA 7196A

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A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

BBG-GW09D

1005187-08 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	**7.10**		5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	10.0	ug/L	1	0060138	05/27/2010 08:59	05/27/2010 09:25	EPA 7196A
Trivalent Chromium	**7.10**		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	EPA 7196A

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

BBG-GW08

1005187-09 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	**5.50**		5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	ND	U	10.0	ug/L	1	0060138	05/27/2010 08:59	05/27/2010 09:26	EPA 7196A
Trivalent Chromium	**5.50**		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	EPA 7196A

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

BBG-GW07

1005187-10 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	**1.20**	J	5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**10.6**	B	10.0	ug/L	1	0060138	05/28/2010 07:59	05/28/2010 08:30	EPA 7196A
Trivalent Chromium	ND	U	5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	EPA 7196A

cdm 8/9/10

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A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

EB1-052710

1005187-11 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	ND		5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**2.27**	J, B	10.0	ug/L	1	0060138	05/28/2010 07:59	05/28/2010 08:30	EPA 7196A
Trivalent Chromium	ND		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	EPA 7196A

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

BBG-GW04

1005187-12 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	**3.70**	J	5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**1.66**	J, B	10.0	ug/L	1	0060138	05/28/2010 07:59	05/28/2010 08:31	EPA 7196A
Trivalent Chromium	**2.04**	J	5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	EPA 7196A

cdcu 8/9/10

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

BBG-GW03UCH

1005187-13 (Water)

COMPUCHEM

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
TOTAL METALS BY ICP/CV									
Chromium	**2.30**	J	5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**1.73**	J, B	10.0	ug/L	1	0060138	05/28/2010 07:59	05/28/2010 08:32	EPA 7196A
Trivalent Chromium	ND		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	EPA 7196A

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Preeti Khare For Cathy Dover, Project Manager

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

BBG-GW02

1005187-14 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
COMPUCHEM									
TOTAL METALS BY ICP/CV									
Chromium	ND		5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**5.19**	J, B	10.0	ug/L	1	0060138	05/28/2010 07:59	05/28/2010 08:33	EPA 7196A
Trivalent Chromium	ND		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	EPA 7196A

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Preeti Khare For Cathy Dover, Project Manager

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

EB2-052710

1005187-15 (Water)

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
				COMPUCHEM					
TOTAL METALS BY ICP/CV									
Chromium	**0.91**	J	5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**1.72**	J, B	10.0	ug/L	1	0060138	05/28/2010 07:59	05/28/2010 08:34	EPA 7196A
Trivalent Chromium	ND		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	EPA 7196A

CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

EB3-052710

1005187-16 (Water)

COMPUCHEM

Analyte	Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
TOTAL METALS BY ICP/CV									
Chromium	**1.30**	J	5.00	ug/L	1	0062127	06/15/2010 10:59	06/15/2010 15:00	EPA 6010B
WET CHEMISTRY PARAMETERS									
Hexavalent Chromium	**2.32**	J, B	10.0	ug/L	1	0060138	05/28/2010 07:59	05/28/2010 08:35	EPA 7196A
Trivalent Chromium	ND		5.00	ug/L	1	[CALC]	06/15/2010 10:59	06/15/2010 15:00	EPA 7196A

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

WET CHEMISTRY PARAMETERS - Quality Control

COMPUCHEM

Analyte	Result		Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0060138 - Default Prep GenChem											
Blank (0060138-BLK1)					Prepared: 05/25/2010 10:15 Analyzed: 05/25/2010 10:19						
Hexavalent Chromium	ND	U	10.0	ug/L							
Blank (0060138-BLK2)					Prepared: 05/26/2010 09:00 Analyzed: 05/26/2010 09:58						
Hexavalent Chromium	ND	U	10.0	ug/L							
Blank (0060138-BLK3)					Prepared: 05/27/2010 08:59 Analyzed: 05/27/2010 09:21						
Hexavalent Chromium	ND	U	10.0	ug/L							
Blank (0060138-BLK4)					Prepared: 05/28/2010 07:59 Analyzed: 05/28/2010 08:27						
Hexavalent Chromium	1.83	J	10.0	ug/L							
LCS (0060138-BS1)					Prepared: 05/25/2010 10:15 Analyzed: 05/25/2010 10:20						
Hexavalent Chromium	256	B	10.0	ug/L	250.0		103	90-110			
LCS (0060138-BS2)					Prepared: 05/26/2010 09:00 Analyzed: 05/26/2010 09:58						
Hexavalent Chromium	253	B	10.0	ug/L	250.0		101	90-110			
LCS (0060138-BS3)					Prepared: 05/27/2010 09:00 Analyzed: 05/27/2010 09:22						
Hexavalent Chromium	247	B	10.0	ug/L	250.0		99.0	90-110			
LCS (0060138-BS4)					Prepared: 05/28/2010 08:00 Analyzed: 05/28/2010 08:28						
Hexavalent Chromium	250	B	10.0	ug/L	250.0		99.9	90-110			
LCS Dup (0060138-BSD1)					Prepared: 05/25/2010 10:15 Analyzed: 05/25/2010 10:21						
Hexavalent Chromium	252	B	10.0	ug/L	250.0		101	90-110	1.85	20	
LCS Dup (0060138-BSD2)					Prepared: 05/26/2010 09:00 Analyzed: 05/26/2010 09:59						
Hexavalent Chromium	254	B	10.0	ug/L	250.0		102	90-110	0.229	20	

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CompuChem
A Division Of
Liberty Analytical Corp.

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

WET CHEMISTRY PARAMETERS - Quality Control

COMPUCHEM

Analyte	Result		Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0060138 - Default Prep GenChem											
LCS Dup (0060138-BSD3)					Prepared: 05/27/2010 09:00		Analyzed: 05/27/2010 09:23				
Hexavalent Chromium	249	B	10.0	ug/L	250.0		99.5	90-110	0.536	20	
LCS Dup (0060138-BSD4)					Prepared: 05/28/2010 08:00		Analyzed: 05/28/2010 08:29				
Hexavalent Chromium	247	B	10.0	ug/L	250.0		98.8	90-110	1.16	20	
Matrix Spike (0060138-MS1)		**Source: 1005187-14**			Prepared: 05/28/2010 11:00		Analyzed: 05/28/2010 11:01				
Hexavalent Chromium	114	B	10.0	ug/L	100.0	5.19	109	75-125			
Matrix Spike Dup (0060138-MSD1)		**Source: 1005187-14**			Prepared: 05/28/2010 11:00		Analyzed: 05/28/2010 11:02				
Hexavalent Chromium	114	B	10.0	ug/L	100.0	5.19	108	75-125	0.291	20	

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Preeti Khare For Cathy Dover, Project Manager

CH2M HILL, INC.	Project: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	
5700 CLEVELAND STREET, SUITE 101	Project Number: CTO-094 MCB CAMP LEJEUNE/395307.SA.DM	**Reported:**
VIRGINIA BEACH VA, 23462	Project Manager: REBEKHA SHAW	08/06/2010 16:11

Notes and Definitions

U	The compound was analyzed for but not detected (CLP U-flag).
J	Compound detected below the Reporting Limit; therefore, result is an estimated concentration (CLP J-flag).
B	Analyte is found in associated blank as well as in the sample (CLP B-flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Default Report (not modified)
			VERSION 6.04:2001
	HEXAVALENT CHROMIUM 7	(Water)	B-Flags used
	HEXAVALENT CHROMIUM 7	(Water)	D-Flags used
	HEXAVALENT CHROMIUM 7	(Water)	J-Flags used
	HEXAVALENT CHROMIUM 7	(Water)	Result calculations based on MDL
	HEXAVALENT CHROMIUM 7	(Water)	Special Units: (ug/L)
	HEXAVALENT CHROMIUM 7	(Water)	U-Flags used
	Total Cr by Metals	(Water)	B-Flags used
	Total Cr by Metals	(Water)	J-Flags used
	Total Cr by Metals	(Water)	Result calculations based on MDL
	Total Cr by Metals	(Water)	RPD calculations based on %Recovery
	Total Cr by Metals	(Water)	Special Units: (ug/L)
	TRIVALENT CHROMIUM Cr3	(Water)	B-Flags used
	TRIVALENT CHROMIUM Cr3	(Water)	D-Flags used
	TRIVALENT CHROMIUM Cr3	(Water)	J-Flags used
	TRIVALENT CHROMIUM Cr3	(Water)	Result calculations based on MDL
	TRIVALENT CHROMIUM Cr3	(Water)	U-Flags used
0060138-BLK4	HEXAVALENT CHROMIUM 7	Hexavalent Chromium	Blank >1 x MDL

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ANALYTICAL REPORT

This report at a minimum contains the following information:

- Analytical Report of Test Results
- Description of QC Qualifiers
- Chain of Custody (copy)
- Sample Condition Report
- Quality Control Summary
- Case Narrative (if applicable)
- Correspondence with Client (if applicable)

For analyses that require NELAP accreditation, all analytes, by matrix and method, are accredited following current NELAP standards unless specifically noted in this document.

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ANALYTICAL REPORT

COMPUCHEM
CATHY DOVER
501 MADISON AVENUE
CARY, NC 27513

Project Name: CTO-094
Contract #: 2186
Project #:
Folder #: 78994
Purchase Order #:

Arrival Temperature: See COC
Report Date: 5/21/2010
Date Received: 5/15/2010
Reprint Date: 5/21/2010

CT LAB#: 798217 Sample Description: BBG-SS23-00-01-10B Sampled: 5/10/2010 1620

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	88.6	%Passing	N/A	N/A	N/A	1			05/19/2010 12:31	BMS	ASTM C136-84A
#100 Sieve	34.5	%Passing	N/A	N/A	N/A	1			05/19/2010 12:31	BMS	ASTM C136-84A
#20 Sieve	77.6	%Passing	N/A	N/A	N/A	1			05/19/2010 12:31	BMS	ASTM C136-84A
#200 Sieve	9.3	%Passing	N/A	N/A	N/A	1			05/19/2010 12:31	BMS	ASTM C136-84A
#230 Sieve	6.7	%Passing	N/A	N/A	N/A	1			05/19/2010 12:31	BMS	ASTM C136-84A
#4 Sieve	97.3	%Passing	N/A	N/A	N/A	1			05/19/2010 12:31	BMS	ASTM C136-84A
#40 Sieve	70.0	%Passing	N/A	N/A	N/A	1			05/19/2010 12:31	BMS	ASTM C136-84A
#60 Sieve	59.7	%Passing	N/A	N/A	N/A	1			05/19/2010 12:31	BMS	ASTM C136-84A
#80 Sieve	44.3	%Passing	N/A	N/A	N/A	1			05/19/2010 12:31	BMS	ASTM C136-84A

CT LAB#: 798218 Sample Description: BBG-SB23-1.5-2-10B Sampled: 5/10/2010 1630

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	100	%Passing	N/A	N/A	N/A	1			05/19/2010 12:43	BMS	ASTM C136-84A
#100 Sieve	56.2	%Passing	N/A	N/A	N/A	1			05/19/2010 12:43	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798218 Sample Description: BBG-SB23-1.5-2-10B Sampled: 5/10/2010 1630

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
#20 Sieve	99.8	%Passing	N/A	N/A	N/A	1			05/19/2010 12:43	BMS	ASTM C136-84A
#200 Sieve	3.5	%Passing	N/A	N/A	N/A	1			05/19/2010 12:43	BMS	ASTM C136-84A
#230 Sieve	1.9	%Passing	N/A	N/A	N/A	1			05/19/2010 12:43	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/19/2010 12:43	BMS	ASTM C136-84A
#40 Sieve	99.1	%Passing	N/A	N/A	N/A	1			05/19/2010 12:43	BMS	ASTM C136-84A
#60 Sieve	95.8	%Passing	N/A	N/A	N/A	1			05/19/2010 12:43	BMS	ASTM C136-84A
#80 Sieve	77.2	%Passing	N/A	N/A	N/A	1			05/19/2010 12:43	BMS	ASTM C136-84A

CT LAB#: 798219 Sample Description: BBG-SS55-00-01-10B Sampled: 5/11/2010 0750

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	100	%Passing	N/A	N/A	N/A	1			05/19/2010 13:08	BMS	ASTM C136-84A
#100 Sieve	28.8	%Passing	N/A	N/A	N/A	1			05/19/2010 13:08	BMS	ASTM C136-84A
#20 Sieve	99.0	%Passing	N/A	N/A	N/A	1			05/19/2010 13:08	BMS	ASTM C136-84A
#200 Sieve	5.4	%Passing	N/A	N/A	N/A	1			05/19/2010 13:08	BMS	ASTM C136-84A
#230 Sieve	4.1	%Passing	N/A	N/A	N/A	1			05/19/2010 13:08	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/19/2010 13:08	BMS	ASTM C136-84A
#40 Sieve	97.0	%Passing	N/A	N/A	N/A	1			05/19/2010 13:08	BMS	ASTM C136-84A
#60 Sieve	82.3	%Passing	N/A	N/A	N/A	1			05/19/2010 13:08	BMS	ASTM C136-84A
#80 Sieve	44.3	%Passing	N/A	N/A	N/A	1			05/19/2010 13:08	BMS	ASTM C136-84A

CT LAB#: 798220 Sample Description: BBG-SB55-2.5-3-10B Sampled: 5/11/2010 0840

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	99.8	%Passing	N/A	N/A	N/A	1			05/19/2010 13:19	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798220 Sample Description: BBG-SB55-2.5-3-10B Sampled: 5/11/2010 0840

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
#100 Sieve	22.5	%Passing	N/A	N/A	N/A	1			05/19/2010 13:19	BMS	ASTM C136-84A
#20 Sieve	96.7	%Passing	N/A	N/A	N/A	1			05/19/2010 13:19	BMS	ASTM C136-84A
#200 Sieve	4.0	%Passing	N/A	N/A	N/A	1			05/19/2010 13:19	BMS	ASTM C136-84A
#230 Sieve	3.1	%Passing	N/A	N/A	N/A	1			05/19/2010 13:19	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/19/2010 13:19	BMS	ASTM C136-84A
#40 Sieve	93.5	%Passing	N/A	N/A	N/A	1			05/19/2010 13:19	BMS	ASTM C136-84A
#60 Sieve	77.5	%Passing	N/A	N/A	N/A	1			05/19/2010 13:19	BMS	ASTM C136-84A
#80 Sieve	36.5	%Passing	N/A	N/A	N/A	1			05/19/2010 13:19	BMS	ASTM C136-84A

CT LAB#: 798221 Sample Description: BBG-SB54-4-5-10B Sampled: 5/11/2010 0850

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	94.0	%Passing	N/A	N/A	N/A	1			05/19/2010 13:30	BMS	ASTM C136-84A
#100 Sieve	18.5	%Passing	N/A	N/A	N/A	1			05/19/2010 13:30	BMS	ASTM C136-84A
#20 Sieve	82.1	%Passing	N/A	N/A	N/A	1			05/19/2010 13:30	BMS	ASTM C136-84A
#200 Sieve	7.7	%Passing	N/A	N/A	N/A	1			05/19/2010 13:30	BMS	ASTM C136-84A
#230 Sieve	6.0	%Passing	N/A	N/A	N/A	1			05/19/2010 13:30	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/19/2010 13:30	BMS	ASTM C136-84A
#40 Sieve	73.0	%Passing	N/A	N/A	N/A	1			05/19/2010 13:30	BMS	ASTM C136-84A
#60 Sieve	48.2	%Passing	N/A	N/A	N/A	1			05/19/2010 13:30	BMS	ASTM C136-84A
#80 Sieve	23.8	%Passing	N/A	N/A	N/A	1			05/19/2010 13:30	BMS	ASTM C136-84A

CT LAB#: 798222 Sample Description: BBG-SS53-0-1-10B Sampled: 5/11/2010 0950

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798222 Sample Description: BBG-SS53-0-1-10B Sampled: 5/11/2010 0950

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
#10 Sieve	97.1	%Passing	N/A	N/A	N/A	1			05/19/2010 13:43	BMS	ASTM C136-84A
#100 Sieve	6.4	%Passing	N/A	N/A	N/A	1			05/19/2010 13:43	BMS	ASTM C136-84A
#20 Sieve	94.3	%Passing	N/A	N/A	N/A	1			05/19/2010 13:43	BMS	ASTM C136-84A
#200 Sieve	1.4	%Passing	N/A	N/A	N/A	1			05/19/2010 13:43	BMS	ASTM C136-84A
#230 Sieve	1.2	%Passing	N/A	N/A	N/A	1			05/19/2010 13:43	BMS	ASTM C136-84A
#4 Sieve	98.6	%Passing	N/A	N/A	N/A	1			05/19/2010 13:43	BMS	ASTM C136-84A
#40 Sieve	91.1	%Passing	N/A	N/A	N/A	1			05/19/2010 13:43	BMS	ASTM C136-84A
#60 Sieve	24.3	%Passing	N/A	N/A	N/A	1			05/19/2010 13:43	BMS	ASTM C136-84A
#80 Sieve	10.1	%Passing	N/A	N/A	N/A	1			05/19/2010 13:43	BMS	ASTM C136-84A

CT LAB#: 798223 Sample Description: BBG-SB53-7-8-10B Sampled: 5/11/2010 0955

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	85.6	%Passing	N/A	N/A	N/A	1			05/19/2010 13:54	BMS	ASTM C136-84A
#100 Sieve	50.1	%Passing	N/A	N/A	N/A	1			05/19/2010 13:54	BMS	ASTM C136-84A
#20 Sieve	71.0	%Passing	N/A	N/A	N/A	1			05/19/2010 13:54	BMS	ASTM C136-84A
#200 Sieve	23.8	%Passing	N/A	N/A	N/A	1			05/19/2010 13:54	BMS	ASTM C136-84A
#230 Sieve	20.9	%Passing	N/A	N/A	N/A	1			05/19/2010 13:54	BMS	ASTM C136-84A
#4 Sieve	99.7	%Passing	N/A	N/A	N/A	1			05/19/2010 13:54	BMS	ASTM C136-84A
#40 Sieve	64.6	%Passing	N/A	N/A	N/A	1			05/19/2010 13:54	BMS	ASTM C136-84A
#60 Sieve	59.3	%Passing	N/A	N/A	N/A	1			05/19/2010 13:54	BMS	ASTM C136-84A
#80 Sieve	53.6	%Passing	N/A	N/A	N/A	1			05/19/2010 13:54	BMS	ASTM C136-84A

CT LAB#: 798224 Sample Description: BBG-SS24-0-1-10B Sampled: 5/11/2010 1045

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798224 Sample Description: BBG-SS24-0-1-10B Sampled: 5/11/2010 1045

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	99.7	%Passing	N/A	N/A	N/A	1			05/19/2010 14:05	BMS	ASTM C136-84A
#100 Sieve	18.0	%Passing	N/A	N/A	N/A	1			05/19/2010 14:05	BMS	ASTM C136-84A
#20 Sieve	98.5	%Passing	N/A	N/A	N/A	1			05/19/2010 14:05	BMS	ASTM C136-84A
#200 Sieve	4.7	%Passing	N/A	N/A	N/A	1			05/19/2010 14:05	BMS	ASTM C136-84A
#230 Sieve	3.5	%Passing	N/A	N/A	N/A	1			05/19/2010 14:05	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/19/2010 14:05	BMS	ASTM C136-84A
#40 Sieve	93.4	%Passing	N/A	N/A	N/A	1			05/19/2010 14:05	BMS	ASTM C136-84A
#60 Sieve	69.7	%Passing	N/A	N/A	N/A	1			05/19/2010 14:05	BMS	ASTM C136-84A
#80 Sieve	29.3	%Passing	N/A	N/A	N/A	1			05/19/2010 14:05	BMS	ASTM C136-84A

CT LAB#: 798225 Sample Description: BBG-SB24-3-4-10B Sampled: 5/11/2010 1055

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	98.8	%Passing	N/A	N/A	N/A	1			05/19/2010 14:16	BMS	ASTM C136-84A
#100 Sieve	19.6	%Passing	N/A	N/A	N/A	1			05/19/2010 14:16	BMS	ASTM C136-84A
#20 Sieve	93.5	%Passing	N/A	N/A	N/A	1			05/19/2010 14:16	BMS	ASTM C136-84A
#200 Sieve	7.3	%Passing	N/A	N/A	N/A	1			05/19/2010 14:16	BMS	ASTM C136-84A
#230 Sieve	4.9	%Passing	N/A	N/A	N/A	1			05/19/2010 14:16	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/19/2010 14:16	BMS	ASTM C136-84A
#40 Sieve	86.6	%Passing	N/A	N/A	N/A	1			05/19/2010 14:16	BMS	ASTM C136-84A
#60 Sieve	63.9	%Passing	N/A	N/A	N/A	1			05/19/2010 14:16	BMS	ASTM C136-84A
#80 Sieve	29.6	%Passing	N/A	N/A	N/A	1			05/19/2010 14:16	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798226 Sample Description: BBG-SS49-0-1-10B Sampled: 5/11/2010 1405

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	92.1	%Passing	N/A	N/A	N/A	1			05/19/2010 14:27	BMS	ASTM C136-84A
#100 Sieve	46.6	%Passing	N/A	N/A	N/A	1			05/19/2010 14:27	BMS	ASTM C136-84A
#20 Sieve	81.0	%Passing	N/A	N/A	N/A	1			05/19/2010 14:27	BMS	ASTM C136-84A
#200 Sieve	10.7	%Passing	N/A	N/A	N/A	1			05/19/2010 14:27	BMS	ASTM C136-84A
#230 Sieve	6.6	%Passing	N/A	N/A	N/A	1			05/19/2010 14:27	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/19/2010 14:27	BMS	ASTM C136-84A
#40 Sieve	73.9	%Passing	N/A	N/A	N/A	1			05/19/2010 14:27	BMS	ASTM C136-84A
#60 Sieve	67.0	%Passing	N/A	N/A	N/A	1			05/19/2010 14:27	BMS	ASTM C136-84A
#80 Sieve	53.5	%Passing	N/A	N/A	N/A	1			05/19/2010 14:27	BMS	ASTM C136-84A

CT LAB#: 798227 Sample Description: BBG-SB49-11-12-10B Sampled: 5/11/2010 1422

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	83.9	%Passing	N/A	N/A	N/A	1			05/19/2010 14:37	BMS	ASTM C136-84A
#100 Sieve	50.9	%Passing	N/A	N/A	N/A	1			05/19/2010 14:37	BMS	ASTM C136-84A
#20 Sieve	66.7	%Passing	N/A	N/A	N/A	1			05/19/2010 14:37	BMS	ASTM C136-84A
#200 Sieve	21.9	%Passing	N/A	N/A	N/A	1			05/19/2010 14:37	BMS	ASTM C136-84A
#230 Sieve	14.5	%Passing	N/A	N/A	N/A	1			05/19/2010 14:37	BMS	ASTM C136-84A
#4 Sieve	99.6	%Passing	N/A	N/A	N/A	1			05/19/2010 14:37	BMS	ASTM C136-84A
#40 Sieve	59.5	%Passing	N/A	N/A	N/A	1			05/19/2010 14:37	BMS	ASTM C136-84A
#60 Sieve	55.6	%Passing	N/A	N/A	N/A	1			05/19/2010 14:37	BMS	ASTM C136-84A
#80 Sieve	52.6	%Passing	N/A	N/A	N/A	1			05/19/2010 14:37	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798228 Sample Description: BBG-SS80-0-1-10B Sampled: 5/12/2010 0755

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	94.0	%Passing	N/A	N/A	N/A	1			05/19/2010 14:48	BMS	ASTM C136-84A
#100 Sieve	9.5	%Passing	N/A	N/A	N/A	1			05/19/2010 14:48	BMS	ASTM C136-84A
#20 Sieve	88.0	%Passing	N/A	N/A	N/A	1			05/19/2010 14:48	BMS	ASTM C136-84A
#200 Sieve	3.1	%Passing	N/A	N/A	N/A	1			05/19/2010 14:48	BMS	ASTM C136-84A
#230 Sieve	2.5	%Passing	N/A	N/A	N/A	1			05/19/2010 14:48	BMS	ASTM C136-84A
#4 Sieve	99.8	%Passing	N/A	N/A	N/A	1			05/19/2010 14:48	BMS	ASTM C136-84A
#40 Sieve	81.3	%Passing	N/A	N/A	N/A	1			05/19/2010 14:48	BMS	ASTM C136-84A
#60 Sieve	57.4	%Passing	N/A	N/A	N/A	1			05/19/2010 14:48	BMS	ASTM C136-84A
#80 Sieve	19.1	%Passing	N/A	N/A	N/A	1			05/19/2010 14:48	BMS	ASTM C136-84A

CT LAB#: 798229 Sample Description: BBG-SB80-3-4-10B Sampled: 5/12/2010 0800

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	99.6	%Passing	N/A	N/A	N/A	1			05/20/2010 12:29	BMS	ASTM C136-84A
#100 Sieve	12.0	%Passing	N/A	N/A	N/A	1			05/20/2010 12:29	BMS	ASTM C136-84A
#20 Sieve	97.8	%Passing	N/A	N/A	N/A	1			05/20/2010 12:29	BMS	ASTM C136-84A
#200 Sieve	2.2	%Passing	N/A	N/A	N/A	1			05/20/2010 12:29	BMS	ASTM C136-84A
#230 Sieve	1.8	%Passing	N/A	N/A	N/A	1			05/20/2010 12:29	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/20/2010 12:29	BMS	ASTM C136-84A
#40 Sieve	92.5	%Passing	N/A	N/A	N/A	1			05/20/2010 12:29	BMS	ASTM C136-84A
#60 Sieve	68.7	%Passing	N/A	N/A	N/A	1			05/20/2010 12:29	BMS	ASTM C136-84A
#80 Sieve	25.7	%Passing	N/A	N/A	N/A	1			05/20/2010 12:29	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798230 Sample Description: BBG-SS50-0-1-10B Sampled: 5/11/2010 1445

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	93.9	%Passing	N/A	N/A	N/A	1			05/20/2010 12:40	BMS	ASTM C136-84A
#100 Sieve	36.5	%Passing	N/A	N/A	N/A	1			05/20/2010 12:40	BMS	ASTM C136-84A
#20 Sieve	89.3	%Passing	N/A	N/A	N/A	1			05/20/2010 12:40	BMS	ASTM C136-84A
#200 Sieve	5.6	%Passing	N/A	N/A	N/A	1			05/20/2010 12:40	BMS	ASTM C136-84A
#230 Sieve	4.2	%Passing	N/A	N/A	N/A	1			05/20/2010 12:40	BMS	ASTM C136-84A
#4 Sieve	98.3	%Passing	N/A	N/A	N/A	1			05/20/2010 12:40	BMS	ASTM C136-84A
#40 Sieve	84.7	%Passing	N/A	N/A	N/A	1			05/20/2010 12:40	BMS	ASTM C136-84A
#60 Sieve	75.3	%Passing	N/A	N/A	N/A	1			05/20/2010 12:40	BMS	ASTM C136-84A
#80 Sieve	51.9	%Passing	N/A	N/A	N/A	1			05/20/2010 12:40	BMS	ASTM C136-84A

CT LAB#: 798231 Sample Description: BBG-SS56-0-1-10B Sampled: 5/11/2010 1125

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	92.1	%Passing	N/A	N/A	N/A	1			05/20/2010 12:51	BMS	ASTM C136-84A
#100 Sieve	26.1	%Passing	N/A	N/A	N/A	1			05/20/2010 12:51	BMS	ASTM C136-84A
#20 Sieve	80.6	%Passing	N/A	N/A	N/A	1			05/20/2010 12:51	BMS	ASTM C136-84A
#200 Sieve	9.0	%Passing	N/A	N/A	N/A	1			05/20/2010 12:51	BMS	ASTM C136-84A
#230 Sieve	6.4	%Passing	N/A	N/A	N/A	1			05/20/2010 12:51	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/20/2010 12:51	BMS	ASTM C136-84A
#40 Sieve	68.6	%Passing	N/A	N/A	N/A	1			05/20/2010 12:51	BMS	ASTM C136-84A
#60 Sieve	51.0	%Passing	N/A	N/A	N/A	1			05/20/2010 12:51	BMS	ASTM C136-84A
#80 Sieve	32.0	%Passing	N/A	N/A	N/A	1			05/20/2010 12:51	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798232 Sample Description: BBG-SS56-3-4-10B Sampled: 5/11/2010 1130

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	94.3	%Passing	N/A	N/A	N/A	1			05/20/2010 13:02	BMS	ASTM C136-84A
#100 Sieve	35.3	%Passing	N/A	N/A	N/A	1			05/20/2010 13:02	BMS	ASTM C136-84A
#20 Sieve	82.6	%Passing	N/A	N/A	N/A	1			05/20/2010 13:02	BMS	ASTM C136-84A
#200 Sieve	13.7	%Passing	N/A	N/A	N/A	1			05/20/2010 13:02	BMS	ASTM C136-84A
#230 Sieve	9.3	%Passing	N/A	N/A	N/A	1			05/20/2010 13:02	BMS	ASTM C136-84A
#4 Sieve	99.7	%Passing	N/A	N/A	N/A	1			05/20/2010 13:02	BMS	ASTM C136-84A
#40 Sieve	73.4	%Passing	N/A	N/A	N/A	1			05/20/2010 13:02	BMS	ASTM C136-84A
#60 Sieve	59.1	%Passing	N/A	N/A	N/A	1			05/20/2010 13:02	BMS	ASTM C136-84A
#80 Sieve	41.4	%Passing	N/A	N/A	N/A	1			05/20/2010 13:02	BMS	ASTM C136-84A

CT LAB#: 798233 Sample Description: BBG-SS58-0-1-10B Sampled: 5/12/2010 1015

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	96.8	%Passing	N/A	N/A	N/A	1			05/20/2010 13:13	BMS	ASTM C136-84A
#100 Sieve	16.7	%Passing	N/A	N/A	N/A	1			05/20/2010 13:13	BMS	ASTM C136-84A
#20 Sieve	93.3	%Passing	N/A	N/A	N/A	1			05/20/2010 13:13	BMS	ASTM C136-84A
#200 Sieve	5.2	%Passing	N/A	N/A	N/A	1			05/20/2010 13:13	BMS	ASTM C136-84A
#230 Sieve	4.0	%Passing	N/A	N/A	N/A	1			05/20/2010 13:13	BMS	ASTM C136-84A
#4 Sieve	99.9	%Passing	N/A	N/A	N/A	1			05/20/2010 13:13	BMS	ASTM C136-84A
#40 Sieve	89.0	%Passing	N/A	N/A	N/A	1			05/20/2010 13:13	BMS	ASTM C136-84A
#60 Sieve	65.5	%Passing	N/A	N/A	N/A	1			05/20/2010 13:13	BMS	ASTM C136-84A
#80 Sieve	28.0	%Passing	N/A	N/A	N/A	1			05/20/2010 13:13	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798234 Sample Description: BBG-SB47-14-15-10B Sampled: 5/12/2010 0940

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	88.8	%Passing	N/A	N/A	N/A	1			05/20/2010 13:23	BMS	ASTM C136-84A
#100 Sieve	56.0	%Passing	N/A	N/A	N/A	1			05/20/2010 13:23	BMS	ASTM C136-84A
#20 Sieve	72.1	%Passing	N/A	N/A	N/A	1			05/20/2010 13:23	BMS	ASTM C136-84A
#200 Sieve	25.5	%Passing	N/A	N/A	N/A	1			05/20/2010 13:23	BMS	ASTM C136-84A
#230 Sieve	17.8	%Passing	N/A	N/A	N/A	1			05/20/2010 13:23	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/20/2010 13:23	BMS	ASTM C136-84A
#40 Sieve	64.4	%Passing	N/A	N/A	N/A	1			05/20/2010 13:23	BMS	ASTM C136-84A
#60 Sieve	60.4	%Passing	N/A	N/A	N/A	1			05/20/2010 13:23	BMS	ASTM C136-84A
#80 Sieve	57.6	%Passing	N/A	N/A	N/A	1			05/20/2010 13:23	BMS	ASTM C136-84A

CT LAB#: 798235 Sample Description: BBG-SS47-0-1-10B Sampled: 5/12/2010 0910

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	94.9	%Passing	N/A	N/A	N/A	1			05/20/2010 13:33	BMS	ASTM C136-84A
#100 Sieve	27.8	%Passing	N/A	N/A	N/A	1			05/20/2010 13:33	BMS	ASTM C136-84A
#20 Sieve	93.2	%Passing	N/A	N/A	N/A	1			05/20/2010 13:33	BMS	ASTM C136-84A
#200 Sieve	3.5	%Passing	N/A	N/A	N/A	1			05/20/2010 13:33	BMS	ASTM C136-84A
#230 Sieve	2.3	%Passing	N/A	N/A	N/A	1			05/20/2010 13:33	BMS	ASTM C136-84A
#4 Sieve	96.3	%Passing	N/A	N/A	N/A	1			05/20/2010 13:33	BMS	ASTM C136-84A
#40 Sieve	90.2	%Passing	N/A	N/A	N/A	1			05/20/2010 13:33	BMS	ASTM C136-84A
#60 Sieve	76.4	%Passing	N/A	N/A	N/A	1			05/20/2010 13:33	BMS	ASTM C136-84A
#80 Sieve	45.8	%Passing	N/A	N/A	N/A	1			05/20/2010 13:33	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798236 Sample Description: BBG-SS11-0-1-10B Sampled: 5/11/2010 1605

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	99.7	%Passing	N/A	N/A	N/A	1			05/20/2010 13:43	BMS	ASTM C136-84A
#100 Sieve	46.4	%Passing	N/A	N/A	N/A	1			05/20/2010 13:43	BMS	ASTM C136-84A
#20 Sieve	99.5	%Passing	N/A	N/A	N/A	1			05/20/2010 13:43	BMS	ASTM C136-84A
#200 Sieve	4.3	%Passing	N/A	N/A	N/A	1			05/20/2010 13:43	BMS	ASTM C136-84A
#230 Sieve	3.3	%Passing	N/A	N/A	N/A	1			05/20/2010 13:43	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/20/2010 13:43	BMS	ASTM C136-84A
#40 Sieve	98.8	%Passing	N/A	N/A	N/A	1			05/20/2010 13:43	BMS	ASTM C136-84A
#60 Sieve	92.0	%Passing	N/A	N/A	N/A	1			05/20/2010 13:43	BMS	ASTM C136-84A
#80 Sieve	63.5	%Passing	N/A	N/A	N/A	1			05/20/2010 13:43	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

Notes: ^ Indicates the laboratory is NELAP accredited for this analyte by the indicated matrix and method.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

This report has been specifically prepared to satisfy project or program requirements. The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Level of uncertainty measurements only provided upon pre-approved request.

Submitted by: PML r
Project Manager
608-356-2760

Current CT Laboratories Certifications

Illinois NELAP ID# 200046

Kansas NELAP ID# E-10368

Kentucky ID# 0023

Pennsylvania NELAP ID# 68-04201

New Jersey NELAP ID# WI001

North Dakota ID# R-171

Wisconsin (WDNR) Chemistry ID# 157066030

Wisconsin (DATCP) Bacteriology ID# 105-289

DoD-ELAP Accreditation Cert # ADE-1453

GA EPD Stipulation

Accreditor:	IL NELAP
Accreditation ID:	200046
Scope:	Hazardous/Solid Waste Non-potable water
Effective:	11/19/2009
Expires:	09/30/2010

SAT. REC'T/DELIVERY "SDG 1" pg 1 of 2 S 13530

SUBCONTRACT CHAIN-OF-CUSTODY RECORD

COMPUCHEM
a division of Liberty Analytical Corp.

501 Madison Avenue
Cary, NC 27513
1-800-833-5097

Project Name: CTO-094
TAT: 7 calendar days
Report style: Level III
Disk requirement: SNEDD

Samples shipped to: CT LABS
Contact: Pat Letterer
Address: 1230 Lange Court
Baraboo, WI 53913
Phone: ( )
Project Locale (state)

CompuChem point-of-contact: (4) CATHY DOVER
Phone: (919) 379-4100 X 4089
Fax: (919) 379-4050

Sampling complete? Y or N (see Note 1)
Project-specific (PS) or Batch (B) QC? per method

BOX #1
1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil / Sediment / Sludge
6. Trip Blank
7. Oil
8. Waste
9. Other _____

BOX #2
A. HCl + Ice
B. HNO_3 + Ice
C. NaOH + Ice
D. H_2SO_4 + Ice
E. Unpreserved
F. Ice Only
G. Other _____
H. $NaHSO_4$ + Ice
I. ZnAc+NaOH + Ice
J. Methanol

BOX #3
F- Filtered
U- Unfiltered

BOX #4
H- High
M- Medium
L- Low

BOX #5
C- CLP
T- TCLP
S - SW-846
W- CWA 600-series
O- Other _____

e-mail results to cdover@compuchemlabs.com

Sample ID	Date / Year 2010	Time	Box #1 Matrix	Box #2 Preservative	Box #3 Filtered / Unfiltered	Box #4 Expected Conc.	Box #5 Method	# of Bottles	Use for Lab QC (MS or DUP)	PARAMETERS: grain size stevenly ASTM D422	CCN	Remarks / Comments (see Notes 2 & 3)
BBG-SS23-00-01-10B	5/10	1620	5	E	U			1		✓		798217
BBG-SB23-1.5-2-10B	5/10	1620								✓		798218
BBG-SS55-00-01-10B	5/11	0750								✓		798219
BBG-SB55-2.5-3-10B	↓	0840								✓		798220
BBG-SB54-4-5-10B		0850								✓		798221
BBG-SS53-0-1-10B		0950								✓		798222
BBG-SB53-7-8-10B		0955								✓		798223
BBG-SS24-0-1-10B		1045								✓		798224
BBG-SB24-3-4-10B		1055								✓		798225
BBG-SS49-0-1-10B	↓	1405	↓	↓	↓			↓		✓		798226

78994 Page 1 of 2

Clients Special Instructions:

Lab: Received in good condition? Y or N **Describe any problems:**

#1 Relenquished by:(sig) Jennifer Dover	Date: 5.14.10	#2 Relinquished by:(sig)	Date:	Relinqu	
Company Name: Compuchem	Time: 1725	Company Name:	Time:	Compa	
#1 Received by:(sig) LW	Date: 5.17.10	#2 Received by:(sig)	Date:	#2 Rec	
Company Name:	Time: 1004	Company Name:	Time:	Compa	

Temperature °C

Folder #: 78994
Company: COMPUCHEM
Project: CTO-094
Logged By: LAW PM: PM

Note (1) If "N" lab should batch samples to await remainder of project - maximizing batch size and minimizing QC ratio; if "Y" lab should begin processing batches now.
Note (2) Samples should be stored 60 days after date report mailed at no extra charge.
Note (3) All lab copies of data should be retained for a minimum of 3 years.
Note (4) Please call point-of-contact to verify receipt of samples.

Cooler Theirs 5.15.10 1200 UPS
NO ICE Ambient (w)

Revision 0 2-10-99

SAT. RECT/DELIVERY "SDG 1" pg. 2 of 2 S 13539

SUBCONTRACT CHAIN-OF-CUSTODY RECORD

COMPUCHEM
a division of Liberty Analytical Corp.

501 Madison Avenue
Cary, NC 27513
1-800-833-5097

Project Name: CTO-094
TAT: 7 calendar days
Report style: level IV
Disk requirement: SNEDD

Samples shipped to: CT Labs
Contact: Pat Letteser
Address: 1230 Lange Court
Baraboo, WI 53913
Phone: ( )
Project Locale (state)

CompuChem point-of-contact: (4) CATHY DOVER
Phone: (919) 379-4100 X 4089
Fax: (919) 379-4050
Sampling complete? Y or N (see Note 1)
Project-specific (PS) or Batch (B) QC? per method

BOX #1
1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil / Sediment / Sludge
6. Trip Blank
7. Oil
8. Waste
9. Other _____

BOX #2
A. HCl + Ice
B. HNO_3 + Ice
C. NaOH + Ice
D. H_2SO_4 + Ice
E. Unpreserved
F. Ice Only
G. Other _____
H. $NaHSO_4$ + Ice
I. ZnAc+NaOH + Ice
J. Methanol

BOX #3
F- Filtered
U- Unfiltered

BOX #4
H- High
M- Medium
L- Low

BOX #5
C- CLP
T- TCLP
S - SW-846
W- CWA 600-series
O- Other _____

Sample ID	Date / Year 2010	Time	Box #1 Matrix	Box #2 Preservative	Box #3 Filtered / Unfiltered	Box #4 Expected Conc.	Box #5 Method	# of Bottles	Use for Lab QC (MS or DUP)	PARAMETERS: grainsize sieve only ASTM D422	CCN	Remarks / Comments (see Notes 2 & 3)
BBG-SB49-11-12-10B	5/11	1422	S	F	U			1		✓		798227
BBG-SS80-0-1-10B	5/12	0755								✓		798228
BBG-SB80-3-4-10B	5/12	0800								✓		798229
BBG-SS50-0-1-10B	5/11	1445								✓		798230
BBG-SS58-0-1-10B (58 @ 5/14/10)	5/11	1125								✓		798231
BBG-SS56-3-4-10B	5/11	1130								✓		798232
BBG-SS58-0-1-10B	5/12	1015								✓		798233
BBG-SB47-14-15-10B	5/12	0940								✓		798234
BBG-SS47-0-1-10B	5/12	0910								✓		798235
BBG-SS11-0-1-10B	5/11	1605								✓		798236

Temperature Ambient

Clients Special Instructions:

Lab: Received in good condition? Y or N Describe any problems:

#1 Relenquished by:(sig) Jennifer Dover	Date: 5.14.10	#2 Relinquished by:(sig)	Date:	Relinquished by:(sig)	Date:
Company Name: CompuChem	Time: 1725	Company Name:	Time:	Company Name:	Time:
#1 Received by:(sig) (illegible)	Date: 5.17.10	#2 Received by:(sig)	Date:	#2 Received by:(sig)	Date:
Company Name:	Time: 1006	Company Name:	Time:	Company Name:	Time:

Note (1) If "N" lab should batch samples to await remainder of project - maximizing batch size and minimizing QC ratio; if "Y" lab should begin processing batches now.
Note (2) Samples should be stored 60 days after date report mailed at no extra charge.
Note (3) All lab copies of data should be retained for a minimum of 3 years.
Note (4) Please call point-of-contact to verify receipt of samples.

Cooler Theirs 5.15.10 1200 UPS
no ice in bottles

Revision 0 2-10-99

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Condition Report

Folder #: 78994
Client: COMPUCHEM

Print Date / Time: 05/17/2010 10:07
Received Date / Time / By: 05/15/2010 1200 LAW

Project Name: CTO-094
Project #:

Log-In Date / Time / By: 05/17/2010 LAW LAW
PM: PML

Coolers: THEIRS
Custody Seals Present : **Y**

Temperature: AMBIENT C On Ice: **N**
COC Present:? **Y** Complete? **Y**

Seal Intact? **Y**
Ship Method: UPS
Adequate Packaging: **Y**

Numbers: DATED & SIGNED
Tracking Number: 1ZA1R1114447568945
Temp Blank Enclosed?

Notes: SAMPLES RECEIVED IN GOOD CONDITION WITH NO ICE.
CUSTODY SEAL ARRIVED INTACT DATED & SIGNED.

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
798217 BBG-SS23-00-01-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798218 BBG-SB23-1.5-2-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798219 BBG-SS55-00-01-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798220 BBG-SB55-2.5-3-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798221 BBG-SB54-4-5-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798222 BBG-SS53-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
798223 BBG-SB53-7-8-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798224 BBG-SS24-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798225 BBG-SB24-3-4-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798226 BBG-SS49-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798227 BBG-SB49-11-12-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798228 BBG-SS80-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798229 BBG-SB80-3-4-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798230 BBG-SS50-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798231 BBG-SS56-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
798232 BBG-SS56-3-4-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798233 BBG-SS58-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798234 BBG-SB47-14-15-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798235 BBG-SS47-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798236 BBG-SS11-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Condition Code	*Condition Description*
1	Sample Received OK

CT LABORATORIES

delivering more than data from your environmental analyses

ANALYTICAL REPORT

This report at a minimum contains the following information:

- Analytical Report of Test Results
- Description of QC Qualifiers
- Chain of Custody (copy)
- Sample Condition Report
- Quality Control Summary
- Case Narrative (if applicable)
- Correspondence with Client (if applicable)

For analyses that require NELAP accreditation, all analytes, by matrix and method, are accredited following current NELAP standards unless specifically noted in this document.

CT LABORATORIES
delivering more than data from your environmental analyses
1230 Lange Court • Baraboo, WI 53913 • 608-356-2760
www.ctlaboratories.com

ANALYTICAL REPORT

COMPUCHEM
CATHY DOVER
501 MADISON AVENUE
CARY, NC 27513

Project Name: CTO-094
Contract #: 2186
Project #:
Folder #: 78994
Purchase Order #:

Arrival Temperature: See COC
Report Date: 5/21/2010
Date Received: 5/15/2010
Reprint Date: 5/26/2010

CT LAB#: 798217 Sample Description: BBG-SS23-00-01-10B Sampled: 5/10/2010 1620

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	88.6	%Passing				1			05/19/2010 12:31	BMS	ASTM C136-84A
#100 Sieve	34.5	%Passing				1			05/19/2010 12:31	BMS	ASTM C136-84A
#20 Sieve	77.6	%Passing				1			05/19/2010 12:31	BMS	ASTM C136-84A
#200 Sieve	9.3	%Passing				1			05/19/2010 12:31	BMS	ASTM C136-84A
#230 Sieve	6.7	%Passing				1			05/19/2010 12:31	BMS	ASTM C136-84A
#4 Sieve	97.3	%Passing				1			05/19/2010 12:31	BMS	ASTM C136-84A
#40 Sieve	70.0	%Passing				1			05/19/2010 12:31	BMS	ASTM C136-84A
#60 Sieve	59.7	%Passing				1			05/19/2010 12:31	BMS	ASTM C136-84A
#80 Sieve	44.3	%Passing				1			05/19/2010 12:31	BMS	ASTM C136-84A

CT LAB#: 798218 Sample Description: BBG-SB23-1.5-2-10B Sampled: 5/10/2010 1630

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	100	%Passing				1			05/19/2010 12:43	BMS	ASTM C136-84A
#100 Sieve	56.2	%Passing				1			05/19/2010 12:43	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798218 Sample Description: BBG-SB23-1.5-2-10B Sampled: 5/10/2010 1630

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
#20 Sieve	99.8	%Passing				1			05/19/2010 12:43	BMS	ASTM C136-84A
#200 Sieve	3.5	%Passing				1			05/19/2010 12:43	BMS	ASTM C136-84A
#230 Sieve	1.9	%Passing				1			05/19/2010 12:43	BMS	ASTM C136-84A
#4 Sieve	100	%Passing				1			05/19/2010 12:43	BMS	ASTM C136-84A
#40 Sieve	99.1	%Passing				1			05/19/2010 12:43	BMS	ASTM C136-84A
#60 Sieve	95.8	%Passing				1			05/19/2010 12:43	BMS	ASTM C136-84A
#80 Sieve	77.2	%Passing				1			05/19/2010 12:43	BMS	ASTM C136-84A

CT LAB#: 798219 Sample Description: BBG-SS55-00-01-10B Sampled: 5/11/2010 0750

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	100	%Passing				1			05/19/2010 13:08	BMS	ASTM C136-84A
#100 Sieve	28.8	%Passing				1			05/19/2010 13:08	BMS	ASTM C136-84A
#20 Sieve	99.0	%Passing				1			05/19/2010 13:08	BMS	ASTM C136-84A
#200 Sieve	5.4	%Passing				1			05/19/2010 13:08	BMS	ASTM C136-84A
#230 Sieve	4.1	%Passing				1			05/19/2010 13:08	BMS	ASTM C136-84A
#4 Sieve	100	%Passing				1			05/19/2010 13:08	BMS	ASTM C136-84A
#40 Sieve	97.0	%Passing				1			05/19/2010 13:08	BMS	ASTM C136-84A
#60 Sieve	82.3	%Passing				1			05/19/2010 13:08	BMS	ASTM C136-84A
#80 Sieve	44.3	%Passing				1			05/19/2010 13:08	BMS	ASTM C136-84A

CT LAB#: 798220 Sample Description: BBG-SB55-2.5-3-10B Sampled: 5/11/2010 0840

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	99.8	%Passing				1			05/19/2010 13:19	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798220 Sample Description: BBG-SB55-2.5-3-10B Sampled: 5/11/2010 0840

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
#100 Sieve	22.5	%Passing				1			05/19/2010 13:19	BMS	ASTM C136-84A
#20 Sieve	96.7	%Passing				1			05/19/2010 13:19	BMS	ASTM C136-84A
#200 Sieve	4.0	%Passing				1			05/19/2010 13:19	BMS	ASTM C136-84A
#230 Sieve	3.1	%Passing				1			05/19/2010 13:19	BMS	ASTM C136-84A
#4 Sieve	100	%Passing				1			05/19/2010 13:19	BMS	ASTM C136-84A
#40 Sieve	93.5	%Passing				1			05/19/2010 13:19	BMS	ASTM C136-84A
#60 Sieve	77.5	%Passing				1			05/19/2010 13:19	BMS	ASTM C136-84A
#80 Sieve	36.5	%Passing				1			05/19/2010 13:19	BMS	ASTM C136-84A

CT LAB#: 798221 Sample Description: BBG-SB54-4-5-10B Sampled: 5/11/2010 0850

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	94.0	%Passing				1			05/19/2010 13:30	BMS	ASTM C136-84A
#100 Sieve	18.5	%Passing				1			05/19/2010 13:30	BMS	ASTM C136-84A
#20 Sieve	82.1	%Passing				1			05/19/2010 13:30	BMS	ASTM C136-84A
#200 Sieve	7.7	%Passing				1			05/19/2010 13:30	BMS	ASTM C136-84A
#230 Sieve	6.0	%Passing				1			05/19/2010 13:30	BMS	ASTM C136-84A
#4 Sieve	100	%Passing				1			05/19/2010 13:30	BMS	ASTM C136-84A
#40 Sieve	73.0	%Passing				1			05/19/2010 13:30	BMS	ASTM C136-84A
#60 Sieve	48.2	%Passing				1			05/19/2010 13:30	BMS	ASTM C136-84A
#80 Sieve	23.8	%Passing				1			05/19/2010 13:30	BMS	ASTM C136-84A

CT LAB#: 798222 Sample Description: BBG-SS53-0-1-10B Sampled: 5/11/2010 0950

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798222 Sample Description: BBG-SS53-0-1-10B Sampled: 5/11/2010 0950

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
#10 Sieve	97.1	%Passing				1			05/19/2010 13:43	BMS	ASTM C136-84A
#100 Sieve	6.4	%Passing				1			05/19/2010 13:43	BMS	ASTM C136-84A
#20 Sieve	94.3	%Passing				1			05/19/2010 13:43	BMS	ASTM C136-84A
#200 Sieve	1.4	%Passing				1			05/19/2010 13:43	BMS	ASTM C136-84A
#230 Sieve	1.2	%Passing				1			05/19/2010 13:43	BMS	ASTM C136-84A
#4 Sieve	98.6	%Passing				1			05/19/2010 13:43	BMS	ASTM C136-84A
#40 Sieve	91.1	%Passing				1			05/19/2010 13:43	BMS	ASTM C136-84A
#60 Sieve	24.3	%Passing				1			05/19/2010 13:43	BMS	ASTM C136-84A
#80 Sieve	10.1	%Passing				1			05/19/2010 13:43	BMS	ASTM C136-84A

CT LAB#: 798223 Sample Description: BBG-SB53-7-8-10B Sampled: 5/11/2010 0955

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	85.6	%Passing				1			05/19/2010 13:54	BMS	ASTM C136-84A
#100 Sieve	50.1	%Passing				1			05/19/2010 13:54	BMS	ASTM C136-84A
#20 Sieve	71.0	%Passing				1			05/19/2010 13:54	BMS	ASTM C136-84A
#200 Sieve	23.8	%Passing				1			05/19/2010 13:54	BMS	ASTM C136-84A
#230 Sieve	20.9	%Passing				1			05/19/2010 13:54	BMS	ASTM C136-84A
#4 Sieve	99.7	%Passing				1			05/19/2010 13:54	BMS	ASTM C136-84A
#40 Sieve	64.6	%Passing				1			05/19/2010 13:54	BMS	ASTM C136-84A
#60 Sieve	59.3	%Passing				1			05/19/2010 13:54	BMS	ASTM C136-84A
#80 Sieve	53.6	%Passing				1			05/19/2010 13:54	BMS	ASTM C136-84A

CT LAB#: 798224 Sample Description: BBG-SS24-0-1-10B Sampled: 5/11/2010 1045

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798224 Sample Description: BBG-SS24-0-1-10B Sampled: 5/11/2010 1045

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	99.7	%Passing				1			05/19/2010 14:05	BMS	ASTM C136-84A
#100 Sieve	18.0	%Passing				1			05/19/2010 14:05	BMS	ASTM C136-84A
#20 Sieve	98.5	%Passing				1			05/19/2010 14:05	BMS	ASTM C136-84A
#200 Sieve	4.7	%Passing				1			05/19/2010 14:05	BMS	ASTM C136-84A
#230 Sieve	3.5	%Passing				1			05/19/2010 14:05	BMS	ASTM C136-84A
#4 Sieve	100	%Passing				1			05/19/2010 14:05	BMS	ASTM C136-84A
#40 Sieve	93.4	%Passing				1			05/19/2010 14:05	BMS	ASTM C136-84A
#60 Sieve	69.7	%Passing				1			05/19/2010 14:05	BMS	ASTM C136-84A
#80 Sieve	29.3	%Passing				1			05/19/2010 14:05	BMS	ASTM C136-84A

CT LAB#: 798225 Sample Description: BBG-SB24-3-4-10B Sampled: 5/11/2010 1055

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	98.8	%Passing				1			05/19/2010 14:16	BMS	ASTM C136-84A
#100 Sieve	19.6	%Passing				1			05/19/2010 14:16	BMS	ASTM C136-84A
#20 Sieve	93.5	%Passing				1			05/19/2010 14:16	BMS	ASTM C136-84A
#200 Sieve	7.3	%Passing				1			05/19/2010 14:16	BMS	ASTM C136-84A
#230 Sieve	4.9	%Passing				1			05/19/2010 14:16	BMS	ASTM C136-84A
#4 Sieve	100	%Passing				1			05/19/2010 14:16	BMS	ASTM C136-84A
#40 Sieve	86.6	%Passing				1			05/19/2010 14:16	BMS	ASTM C136-84A
#60 Sieve	63.9	%Passing				1			05/19/2010 14:16	BMS	ASTM C136-84A
#80 Sieve	29.6	%Passing				1			05/19/2010 14:16	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798226 Sample Description: BBG-SS49-0-1-10B Sampled: 5/11/2010 1405

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	92.1	%Passing				1			05/19/2010 14:27	BMS	ASTM C136-84A
#100 Sieve	46.6	%Passing				1			05/19/2010 14:27	BMS	ASTM C136-84A
#20 Sieve	81.0	%Passing				1			05/19/2010 14:27	BMS	ASTM C136-84A
#200 Sieve	10.7	%Passing				1			05/19/2010 14:27	BMS	ASTM C136-84A
#230 Sieve	6.6	%Passing				1			05/19/2010 14:27	BMS	ASTM C136-84A
#4 Sieve	100	%Passing				1			05/19/2010 14:27	BMS	ASTM C136-84A
#40 Sieve	73.9	%Passing				1			05/19/2010 14:27	BMS	ASTM C136-84A
#60 Sieve	67.0	%Passing				1			05/19/2010 14:27	BMS	ASTM C136-84A
#80 Sieve	53.5	%Passing				1			05/19/2010 14:27	BMS	ASTM C136-84A

CT LAB#: 798227 Sample Description: BBG-SB49-11-12-10B Sampled: 5/11/2010 1422

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	83.9	%Passing				1			05/19/2010 14:37	BMS	ASTM C136-84A
#100 Sieve	50.9	%Passing				1			05/19/2010 14:37	BMS	ASTM C136-84A
#20 Sieve	66.7	%Passing				1			05/19/2010 14:37	BMS	ASTM C136-84A
#200 Sieve	21.9	%Passing				1			05/19/2010 14:37	BMS	ASTM C136-84A
#230 Sieve	14.5	%Passing				1			05/19/2010 14:37	BMS	ASTM C136-84A
#4 Sieve	99.6	%Passing				1			05/19/2010 14:37	BMS	ASTM C136-84A
#40 Sieve	59.5	%Passing				1			05/19/2010 14:37	BMS	ASTM C136-84A
#60 Sieve	55.6	%Passing				1			05/19/2010 14:37	BMS	ASTM C136-84A
#80 Sieve	52.6	%Passing				1			05/19/2010 14:37	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798228 Sample Description: BBG-SS80-0-1-10B Sampled: 5/12/2010 0755

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	94.0	%Passing				1			05/19/2010 14:48	BMS	ASTM C136-84A
#100 Sieve	9.5	%Passing				1			05/19/2010 14:48	BMS	ASTM C136-84A
#20 Sieve	88.0	%Passing				1			05/19/2010 14:48	BMS	ASTM C136-84A
#200 Sieve	3.1	%Passing				1			05/19/2010 14:48	BMS	ASTM C136-84A
#230 Sieve	2.5	%Passing				1			05/19/2010 14:48	BMS	ASTM C136-84A
#4 Sieve	99.8	%Passing				1			05/19/2010 14:48	BMS	ASTM C136-84A
#40 Sieve	81.3	%Passing				1			05/19/2010 14:48	BMS	ASTM C136-84A
#60 Sieve	57.4	%Passing				1			05/19/2010 14:48	BMS	ASTM C136-84A
#80 Sieve	19.1	%Passing				1			05/19/2010 14:48	BMS	ASTM C136-84A

CT LAB#: 798229 Sample Description: BBG-SB80-3-4-10B Sampled: 5/12/2010 0800

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	99.6	%Passing				1			05/20/2010 12:29	BMS	ASTM C136-84A
#100 Sieve	12.0	%Passing				1			05/20/2010 12:29	BMS	ASTM C136-84A
#20 Sieve	97.8	%Passing				1			05/20/2010 12:29	BMS	ASTM C136-84A
#200 Sieve	2.2	%Passing				1			05/20/2010 12:29	BMS	ASTM C136-84A
#230 Sieve	1.8	%Passing				1			05/20/2010 12:29	BMS	ASTM C136-84A
#4 Sieve	100	%Passing				1			05/20/2010 12:29	BMS	ASTM C136-84A
#40 Sieve	92.5	%Passing				1			05/20/2010 12:29	BMS	ASTM C136-84A
#60 Sieve	68.7	%Passing				1			05/20/2010 12:29	BMS	ASTM C136-84A
#80 Sieve	25.7	%Passing				1			05/20/2010 12:29	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798230 Sample Description: BBG-SS50-0-1-10B Sampled: 5/11/2010 1445

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	93.9	%Passing				1			05/20/2010 12:40	BMS	ASTM C136-84A
#100 Sieve	36.5	%Passing				1			05/20/2010 12:40	BMS	ASTM C136-84A
#20 Sieve	89.3	%Passing				1			05/20/2010 12:40	BMS	ASTM C136-84A
#200 Sieve	5.6	%Passing				1			05/20/2010 12:40	BMS	ASTM C136-84A
#230 Sieve	4.2	%Passing				1			05/20/2010 12:40	BMS	ASTM C136-84A
#4 Sieve	98.3	%Passing				1			05/20/2010 12:40	BMS	ASTM C136-84A
#40 Sieve	84.7	%Passing				1			05/20/2010 12:40	BMS	ASTM C136-84A
#60 Sieve	75.3	%Passing				1			05/20/2010 12:40	BMS	ASTM C136-84A
#80 Sieve	51.9	%Passing				1			05/20/2010 12:40	BMS	ASTM C136-84A

CT LAB#: 798231 Sample Description: BBG-SS56-0-1-10B Sampled: 5/11/2010 1125

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	92.1	%Passing				1			05/20/2010 12:51	BMS	ASTM C136-84A
#100 Sieve	26.1	%Passing				1			05/20/2010 12:51	BMS	ASTM C136-84A
#20 Sieve	80.6	%Passing				1			05/20/2010 12:51	BMS	ASTM C136-84A
#200 Sieve	9.0	%Passing				1			05/20/2010 12:51	BMS	ASTM C136-84A
#230 Sieve	6.4	%Passing				1			05/20/2010 12:51	BMS	ASTM C136-84A
#4 Sieve	100	%Passing				1			05/20/2010 12:51	BMS	ASTM C136-84A
#40 Sieve	68.6	%Passing				1			05/20/2010 12:51	BMS	ASTM C136-84A
#60 Sieve	51.0	%Passing				1			05/20/2010 12:51	BMS	ASTM C136-84A
#80 Sieve	32.0	%Passing				1			05/20/2010 12:51	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798232 Sample Description: BBG-SB56-3-4-10B Sampled: 5/11/2010 1130

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	94.3	%Passing				1			05/20/2010 13:02	BMS	ASTM C136-84A
#100 Sieve	35.3	%Passing				1			05/20/2010 13:02	BMS	ASTM C136-84A
#20 Sieve	82.6	%Passing				1			05/20/2010 13:02	BMS	ASTM C136-84A
#200 Sieve	13.7	%Passing				1			05/20/2010 13:02	BMS	ASTM C136-84A
#230 Sieve	9.3	%Passing				1			05/20/2010 13:02	BMS	ASTM C136-84A
#4 Sieve	99.7	%Passing				1			05/20/2010 13:02	BMS	ASTM C136-84A
#40 Sieve	73.4	%Passing				1			05/20/2010 13:02	BMS	ASTM C136-84A
#60 Sieve	59.1	%Passing				1			05/20/2010 13:02	BMS	ASTM C136-84A
#80 Sieve	41.4	%Passing				1			05/20/2010 13:02	BMS	ASTM C136-84A

CT LAB#: 798233 Sample Description: BBG-SS58-0-1-10B Sampled: 5/12/2010 1015

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	96.8	%Passing				1			05/20/2010 13:13	BMS	ASTM C136-84A
#100 Sieve	16.7	%Passing				1			05/20/2010 13:13	BMS	ASTM C136-84A
#20 Sieve	93.3	%Passing				1			05/20/2010 13:13	BMS	ASTM C136-84A
#200 Sieve	5.2	%Passing				1			05/20/2010 13:13	BMS	ASTM C136-84A
#230 Sieve	4.0	%Passing				1			05/20/2010 13:13	BMS	ASTM C136-84A
#4 Sieve	99.9	%Passing				1			05/20/2010 13:13	BMS	ASTM C136-84A
#40 Sieve	89.0	%Passing				1			05/20/2010 13:13	BMS	ASTM C136-84A
#60 Sieve	65.5	%Passing				1			05/20/2010 13:13	BMS	ASTM C136-84A
#80 Sieve	28.0	%Passing				1			05/20/2010 13:13	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798234 Sample Description: BBG-SB47-14-15-10B Sampled: 5/12/2010 0940

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	88.8	%Passing				1			05/20/2010 13:23	BMS	ASTM C136-84A
#100 Sieve	56.0	%Passing				1			05/20/2010 13:23	BMS	ASTM C136-84A
#20 Sieve	72.1	%Passing				1			05/20/2010 13:23	BMS	ASTM C136-84A
#200 Sieve	25.5	%Passing				1			05/20/2010 13:23	BMS	ASTM C136-84A
#230 Sieve	17.8	%Passing				1			05/20/2010 13:23	BMS	ASTM C136-84A
#4 Sieve	100	%Passing				1			05/20/2010 13:23	BMS	ASTM C136-84A
#40 Sieve	64.4	%Passing				1			05/20/2010 13:23	BMS	ASTM C136-84A
#60 Sieve	60.4	%Passing				1			05/20/2010 13:23	BMS	ASTM C136-84A
#80 Sieve	57.6	%Passing				1			05/20/2010 13:23	BMS	ASTM C136-84A

CT LAB#: 798235 Sample Description: BBG-SS47-0-1-10B Sampled: 5/12/2010 0910

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	94.9	%Passing				1			05/20/2010 13:33	BMS	ASTM C136-84A
#100 Sieve	27.8	%Passing				1			05/20/2010 13:33	BMS	ASTM C136-84A
#20 Sieve	93.2	%Passing				1			05/20/2010 13:33	BMS	ASTM C136-84A
#200 Sieve	3.5	%Passing				1			05/20/2010 13:33	BMS	ASTM C136-84A
#230 Sieve	2.3	%Passing				1			05/20/2010 13:33	BMS	ASTM C136-84A
#4 Sieve	96.3	%Passing				1			05/20/2010 13:33	BMS	ASTM C136-84A
#40 Sieve	90.2	%Passing				1			05/20/2010 13:33	BMS	ASTM C136-84A
#60 Sieve	76.4	%Passing				1			05/20/2010 13:33	BMS	ASTM C136-84A
#80 Sieve	45.8	%Passing				1			05/20/2010 13:33	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798236 Sample Description: BBG-SS11-0-1-10B Sampled: 5/11/2010 1605

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	99.7	%Passing				1			05/20/2010 13:43	BMS	ASTM C136-84A
#100 Sieve	46.4	%Passing				1			05/20/2010 13:43	BMS	ASTM C136-84A
#20 Sieve	99.5	%Passing				1			05/20/2010 13:43	BMS	ASTM C136-84A
#200 Sieve	4.3	%Passing				1			05/20/2010 13:43	BMS	ASTM C136-84A
#230 Sieve	3.3	%Passing				1			05/20/2010 13:43	BMS	ASTM C136-84A
#4 Sieve	100	%Passing				1			05/20/2010 13:43	BMS	ASTM C136-84A
#40 Sieve	98.8	%Passing				1			05/20/2010 13:43	BMS	ASTM C136-84A
#60 Sieve	92.0	%Passing				1			05/20/2010 13:43	BMS	ASTM C136-84A
#80 Sieve	63.5	%Passing				1			05/20/2010 13:43	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

Notes: ^ Indicates the laboratory is NELAP accredited for this analyte by the indicated matrix and method.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

This report has been specifically prepared to satisfy project or program requirements. The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Level of uncertainty measurements only provided upon pre-approved request.

Submitted by: PML r
Project Manager
608-356-2760

Current CT Laboratories Certifications

Illinois NELAP ID# 200046

Kansas NELAP ID# E-10368

Kentucky ID# 0023

Pennsylvania NELAP ID# 68-04201

New Jersey NELAP ID# WI001

North Dakota ID# R-171

Wisconsin (WDNR) Chemistry ID# 157066030

Wisconsin (DATCP) Bacteriology ID# 105-289

DoD-ELAP Accreditation Cert # ADE-1453

GA EPD Stipulation

Accreditor:	IL NELAP
Accreditation ID:	200046
Scope:	Hazardous/Solid Waste Non-potable water
Effective:	11/19/2009
Expires:	09/30/2010

SAT. REC'T/DELIVERY "SDG 1" pg 1 of 2 S 13530

SUBCONTRACT CHAIN-OF-CUSTODY RECORD

COMPUCHEM
a division of Liberty Analytical Corp.

501 Madison Avenue
Cary, NC 27513
1-800-833-5097

Project Name: CTO-094
TAT: 7 calendar days
Report style: Level III
Disk requirement: SNEDD

Samples shipped to: CT LABS
Contact: Pat Letterer
Address: 1230 Lange Court
Baraboo, WI 53913
Phone: ( )
Project Locale (state)

CompuChem point-of-contact: (4) CATHY DOVER
Phone: (919) 379-4100 X 4089
Fax: (919) 379-4050

Sampling complete? Y or N (see Note 1)
Project-specific (PS) or Batch (B) QC? per method

BOX #1
1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil / Sediment / Sludge
6. Trip Blank
7. Oil
8. Waste
9. Other _____

BOX #2
A. HCl + Ice
B. HNO_3 + Ice
C. NaOH + Ice
D. H_2SO_4 + Ice
E. Unpreserved
F. Ice Only
G. Other _____
H. $NaHSO_4$ + Ice
I. ZnAc+NaOH + Ice
J. Methanol

BOX #3
F- Filtered
U- Unfiltered

BOX #4
H- High
M- Medium
L- Low

BOX #5
C- CLP
T- TCLP
S - SW-846
W- CWA 600-series
O- Other _____

Sample ID	Date / Year 2010	Time	Box #1 Matrix	Box #2 Preservative	Box #3 Filtered / Unfiltered	Box #4 Expected Conc.	Box #5 Method	# of Bottles	Use for Lab QC (MS or DUP)	PARAMETERS: grain size stevenly ASTM D422	CCN	e-mail results to cdover@compuchemlabs.com Remarks / Comments (see Notes 2 & 3)
BBG-SS23-00-01-10B	5/10	1620	5	E	U			1		✓		798217
BBG-SB23-1.5-2-10B	5/10	1620								✓		798218
BBG-SS55-00-01-10B	5/11	0750								✓		798219
BBG-SB55-2.5-3-10B	↓	0840								✓		798220
BBG-SB54-4-5-10B		0850								✓		798221
BBG-SS53-0-1-10B		0950								✓		798222
BBG-SB53-7-8-10B		0955								✓		798223
BBG-SS24-0-1-10B		1045								✓		798224
BBG-SB24-3-4-10B		1055								✓		798225
BBG-SS49-0-1-10B	↓	1405	↓	↓	↓			↓		✓		798226

Revised 7/8/04 Page 1 of 2

Clients Special Instructions:

Lab: Received in good condition? Y or N **Describe any problems:**

#1 Relenquished by:(sig) Jennifer Dover	Date: 5.14.10	#2 Relinquished by:(sig)	Date:	Relinqu	
Company Name: Compuchem	Time: 1725	Company Name:	Time:	Compa	
#1 Received by:(sig) LAW	Date: 5.17.10	#2 Received by:(sig)	Date:	#2 Rec	
Company Name:	Time: 1004	Company Name:	Time:	Compa	

Temperature °C

Folder #: 78994
Company: COMPUCHEM
Project: CTO-094
Logged By: LAW PM: PM

Note (1) If "N" lab should batch samples to await remainder of project - maximizing batch size and minimizing QC ratio; if "Y" lab should begin processing batches now.
Note (2) Samples should be stored 60 days after date report mailed at no extra charge.
Note (3) All lab copies of data should be retained for a minimum of 3 years.
Note (4) Please call point-of-contact to verify receipt of samples.

Cooler Theirs 5.15.10 1200 UPS
NO ICE Ambient (w)

Revision 0 2-10-99

SAT. RECT/DELIVERY "SDG 1" pg. 2 of 2 S 13539

SUBCONTRACT CHAIN-OF-CUSTODY RECORD

COMPUCHEM
a division of Liberty Analytical Corp.

501 Madison Avenue
Cary, NC 27513
1-800-833-5097

Project Name: CTO-094
TAT: 7 calendar days
Report style: level IV
Disk requirement: SNEDD

Samples shipped to: CT Labs
Contact: Pat Letteser
Address: 1230 Lange Court
Baraboo, WI 53913
Phone: ( )

CompuChem point-of-contact: (4) CATHY DOVER
Phone: (919) 379-4100 X 4089
Fax: (919) 379-4050
Sampling complete? Y or N (see Note 1)
Project-specific (PS) or Batch (B) QC? per method

BOX #1
1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil / Sediment / Sludge
6. Trip Blank
7. Oil
8. Waste
9. Other _____

BOX #2
A. HCl + Ice
B. HNO_3 + Ice
C. NaOH + Ice
D. H_2SO_4 + Ice
E. Unpreserved
F. Ice Only
G. Other _____
H. $NaHSO_4$ + Ice
I. ZnAc+NaOH + Ice
J. Methanol

BOX #3
F- Filtered
U- Unfiltered

BOX #4
H- High
M- Medium
L- Low

BOX #5
C- CLP
T- TCLP
S - SW-846
W- CWA 600-series
O- Other _____

Sample ID	Date / Year 2010	Time	Box #1 Matrix	Box #2 Preservative	Box #3 Filtered / Unfiltered	Box #4 Expected Conc.	Box #5 Method	# of Bottles	Use for Lab QC (MS or DUP)	PARAMETERS: grainsize sieve only ASTM D422	CCN	Remarks / Comments (see Notes 2 & 3)
BBG-SB49-11-12-10B	5/11	1422	S	E	U			1		✓		798227
BBG-SS80-0-1-10B	5/12	0755								✓		798228
BBG-SB80-3-4-10B	5/12	0800								✓		798229
BBG-SS50-0-1-10B	5/11	1445								✓		798230
BBG-SS58-0-1-10B (58 @ 5/14/10)	5/11	1125								✓		798231
BBG-SB56-3-4-10B	5/11	1130								✓		798232
BBG-SS58-0-1-10B	5/12	1015								✓		798233
BBG-SB47-14-15-10B	5/12	0940								✓		798234
BBG-SS47-0-1-10B	5/12	0910								✓		798235
BBG-SS11-0-1-10B	5/11	1605								✓		798236

Temperature Ambient

Clients Special Instructions:

Lab: Received in good condition? Y or N Describe any problems:

#1 Relenquished by:(sig) Jennifer Dover	Date: 5.14.10	#2 Relinquished by:(sig)	Date:	Relinquished by:(sig)	Date:
Company Name: CompuChem	Time: 1725	Company Name:	Time:	Company Name:	Time:
#1 Received by:(sig) (illegible)	Date: 5.17.10	#2 Received by:(sig)	Date:	#2 Received by:(sig)	Date:
Company Name:	Time: 1006	Company Name:	Time:	Company Name:	Time:

Note (1) If "N" lab should batch samples to await remainder of project - maximizing batch size and minimizing QC ratio; if "Y" lab should begin processing batches now.
Note (2) Samples should be stored 60 days after date report mailed at no extra charge.
Note (3) All lab copies of data should be retained for a minimum of 3 years.
Note (4) Please call point-of-contact to verify receipt of samples.

Cooler Theirs 5.15.10 1200 UPS
no ice

Revision 0 2-10-99

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Condition Report

Folder #: 78994
Client: COMPUCHEM

Print Date / Time: 05/17/2010 10:07
Received Date / Time / By: 05/15/2010 1200 LAW

Project Name: CTO-094
Project #:

Log-In Date / Time / By: 05/17/2010 LAW LAW
PM: PML

Coolers: THEIRS
Custody Seals Present : **Y**

Temperature: AMBIENT C On Ice: **N**
COC Present:? **Y** Complete? **Y**

Seal Intact? **Y**
Ship Method: UPS
Adequate Packaging: **Y**

Numbers: DATED & SIGNED
Tracking Number: 1ZA1R1114447568945
Temp Blank Enclosed?

Notes: SAMPLES RECEIVED IN GOOD CONDITION WITH NO ICE.
CUSTODY SEAL ARRIVED INTACT DATED & SIGNED.

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
798217 BBG-SS23-00-01-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798218 BBG-SB23-1.5-2-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798219 BBG-SS55-00-01-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798220 BBG-SB55-2.5-3-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798221 BBG-SB54-4-5-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798222 BBG-SS53-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
798223 BBG-SB53-7-8-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798224 BBG-SS24-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798225 BBG-SB24-3-4-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798226 BBG-SS49-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798227 BBG-SB49-11-12-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798228 BBG-SS80-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798229 BBG-SB80-3-4-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798230 BBG-SS50-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798231 BBG-SS56-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
798232 BBG-SS56-3-4-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798233 BBG-SS58-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798234 BBG-SB47-14-15-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798235 BBG-SS47-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798236 BBG-SS11-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Condition Code	*Condition Description*
1	Sample Received OK

Letterer, Pat

From: Cathy Dover [cdover@compuchemlabs.com]
Sent: Wednesday, May 26, 2010 9:37 AM
To: Letterer, Pat
Subject: FW: CTO-94, sample ID updates

Hi Pat,

Can you please change the sample IDs for the two mentioned in the e-mail below. Sorry, that the sample IDs were not correct!

Can you e-mail the revised pdf report after the change?

Oh! The PM left a message concerning the raw data for the grain size. Will the raw data be e-mailed with the full data package?

Thanks,

Cathy

Cathy Dover
Supervisor of Project Management
Compuchem
501 Madison Ave.
Cary, N.C. 27513
(919)379-4089 office
(919)379-4050 fax

From: Rebekha.Shaw@CH2M.com [mailto:Rebekha.Shaw@CH2M.com]
Sent: Tuesday, May 25, 2010 9:25 AM
To: Cathy Dover
Subject: CTO-94, sample ID updates

Hi Cathy,

The task manager for CTO-94 noticed a couple discrepancies between our COCs and the COCs that were sent to CT Labs:

- For sample BBG-SS84-6-7-10B collected 05/14/10 @ 0905, our COC (#24777) to CompuChem is correct, calling it SB84-6-7. The COC from CompuChem to CT labs for grain size is incorrect (COC #13543) calling it SS84.

- For sample BBG-SS56-3-4-10B collected on 05/11/10 @ 1130, This is a subsurface sample and should be called BBG-SB56-3-4-10B

Can you and CT Labs update these IDs in your system?

Also, is the excel and pdf files that you had sent the draft deliverables to us? Basically, the task manager wants to know if grain size distribution graphs will also accompany this?

Thanks,

Rebekha Shaw

CH2MHILL

Environmental Information Specialist
5700 Cleveland St, Ste 101
Virginia Beach, VA 23462
Direct:757-671-6279
Fax:757-497-6885
rebekha.shaw@ch2m.com

CT LABORATORIES

delivering more than data from your environmental analyses

ANALYTICAL REPORT

This report at a minimum contains the following information:

- Analytical Report of Test Results
- Description of QC Qualifiers
- Chain of Custody (copy)
- Sample Condition Report
- Quality Control Summary
- Case Narrative (if applicable)
- Correspondence with Client (if applicable)

For analyses that require NELAP accreditation, all analytes, by matrix and method, are accredited following current NELAP standards unless specifically noted in this document.

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www.ctlaboratories.com

ANALYTICAL REPORT

COMPUCHEM
CATHY DOVER
501 MADISON AVENUE
CARY, NC 27513

Project Name: CTO-094
Contract #: 2186
Project #:
Folder #: 78995
Purchase Order #:

Arrival Temperature: See COC
Report Date: 5/21/2010
Date Received: 5/15/2010
Reprint Date: 5/21/2010

CT LAB#: 798301 Sample Description: BBG-SB11-11-12-10B Sampled: 5/11/2010 1620

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	89.3	%Passing	N/A	N/A	N/A	1			05/20/2010 13:56	BMS	ASTM C136-84A
#100 Sieve	57.6	%Passing	N/A	N/A	N/A	1			05/20/2010 13:56	BMS	ASTM C136-84A
#20 Sieve	75.1	%Passing	N/A	N/A	N/A	1			05/20/2010 13:56	BMS	ASTM C136-84A
#200 Sieve	23.1	%Passing	N/A	N/A	N/A	1			05/20/2010 13:56	BMS	ASTM C136-84A
#230 Sieve	12.0	%Passing	N/A	N/A	N/A	1			05/20/2010 13:56	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/20/2010 13:56	BMS	ASTM C136-84A
#40 Sieve	66.9	%Passing	N/A	N/A	N/A	1			05/20/2010 13:56	BMS	ASTM C136-84A
#60 Sieve	64.7	%Passing	N/A	N/A	N/A	1			05/20/2010 13:56	BMS	ASTM C136-84A
#80 Sieve	59.4	%Passing	N/A	N/A	N/A	1			05/20/2010 13:56	BMS	ASTM C136-84A

CT LAB#: 798302 Sample Description: BBG-SB48-7-8-10B Sampled: 5/12/2010 1130

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	99.9	%Passing	N/A	N/A	N/A	1			05/20/2010 14:06	BMS	ASTM C136-84A
#100 Sieve	47.9	%Passing	N/A	N/A	N/A	1			05/20/2010 14:06	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798302 Sample Description: BBG-SB48-7-8-10B Sampled: 5/12/2010 1130

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
#20 Sieve	99.3	%Passing	N/A	N/A	N/A	1			05/20/2010 14:06	BMS	ASTM C136-84A
#200 Sieve	3.3	%Passing	N/A	N/A	N/A	1			05/20/2010 14:06	BMS	ASTM C136-84A
#230 Sieve	1.8	%Passing	N/A	N/A	N/A	1			05/20/2010 14:06	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/20/2010 14:06	BMS	ASTM C136-84A
#40 Sieve	97.9	%Passing	N/A	N/A	N/A	1			05/20/2010 14:06	BMS	ASTM C136-84A
#60 Sieve	92.6	%Passing	N/A	N/A	N/A	1			05/20/2010 14:06	BMS	ASTM C136-84A
#80 Sieve	64.9	%Passing	N/A	N/A	N/A	1			05/20/2010 14:06	BMS	ASTM C136-84A

CT LAB#: 798303 Sample Description: BBG-SS48-0-1-10B Sampled: 5/12/2010 1100

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	99.9	%Passing	N/A	N/A	N/A	1			05/20/2010 14:17	BMS	ASTM C136-84A
#100 Sieve	40.4	%Passing	N/A	N/A	N/A	1			05/20/2010 14:17	BMS	ASTM C136-84A
#20 Sieve	99.7	%Passing	N/A	N/A	N/A	1			05/20/2010 14:17	BMS	ASTM C136-84A
#200 Sieve	5.6	%Passing	N/A	N/A	N/A	1			05/20/2010 14:17	BMS	ASTM C136-84A
#230 Sieve	4.4	%Passing	N/A	N/A	N/A	1			05/20/2010 14:17	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/20/2010 14:17	BMS	ASTM C136-84A
#40 Sieve	98.7	%Passing	N/A	N/A	N/A	1			05/20/2010 14:17	BMS	ASTM C136-84A
#60 Sieve	90.8	%Passing	N/A	N/A	N/A	1			05/20/2010 14:17	BMS	ASTM C136-84A
#80 Sieve	59.8	%Passing	N/A	N/A	N/A	1			05/20/2010 14:17	BMS	ASTM C136-84A

CT LAB#: 798304 Sample Description: BBG-SS52-0-1-10B Sampled: 5/11/2010 1515

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	99.8	%Passing	N/A	N/A	N/A	1			05/20/2010 14:28	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798304 Sample Description: BBG-SS52-0-1-10B Sampled: 5/11/2010 1515

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
#100 Sieve	47.0	%Passing	N/A	N/A	N/A	1			05/20/2010 14:28	BMS	ASTM C136-84A
#20 Sieve	99.0	%Passing	N/A	N/A	N/A	1			05/20/2010 14:28	BMS	ASTM C136-84A
#200 Sieve	10.7	%Passing	N/A	N/A	N/A	1			05/20/2010 14:28	BMS	ASTM C136-84A
#230 Sieve	7.7	%Passing	N/A	N/A	N/A	1			05/20/2010 14:28	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/20/2010 14:28	BMS	ASTM C136-84A
#40 Sieve	96.0	%Passing	N/A	N/A	N/A	1			05/20/2010 14:28	BMS	ASTM C136-84A
#60 Sieve	87.6	%Passing	N/A	N/A	N/A	1			05/20/2010 14:28	BMS	ASTM C136-84A
#80 Sieve	64.5	%Passing	N/A	N/A	N/A	1			05/20/2010 14:28	BMS	ASTM C136-84A

CT LAB#: 798305 Sample Description: BBG-SS57-0-1-10B Sampled: 5/12/2010 1205

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	99.3	%Passing	N/A	N/A	N/A	1			05/20/2010 14:38	BMS	ASTM C136-84A
#100 Sieve	17.9	%Passing	N/A	N/A	N/A	1			05/20/2010 14:38	BMS	ASTM C136-84A
#20 Sieve	97.3	%Passing	N/A	N/A	N/A	1			05/20/2010 14:38	BMS	ASTM C136-84A
#200 Sieve	2.4	%Passing	N/A	N/A	N/A	1			05/20/2010 14:38	BMS	ASTM C136-84A
#230 Sieve	2.0	%Passing	N/A	N/A	N/A	1			05/20/2010 14:38	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/20/2010 14:38	BMS	ASTM C136-84A
#40 Sieve	91.4	%Passing	N/A	N/A	N/A	1			05/20/2010 14:38	BMS	ASTM C136-84A
#60 Sieve	71.4	%Passing	N/A	N/A	N/A	1			05/20/2010 14:38	BMS	ASTM C136-84A
#80 Sieve	32.9	%Passing	N/A	N/A	N/A	1			05/20/2010 14:38	BMS	ASTM C136-84A

CT LAB#: 798306 Sample Description: BBG-SS18-0-1-10B Sampled: 5/12/2010 1505

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798306 Sample Description: BBG-SS18-0-1-10B Sampled: 5/12/2010 1505

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
#10 Sieve	99.3	%Passing	N/A	N/A	N/A	1			05/20/2010 14:49	BMS	ASTM C136-84A
#100 Sieve	19.2	%Passing	N/A	N/A	N/A	1			05/20/2010 14:49	BMS	ASTM C136-84A
#20 Sieve	98.2	%Passing	N/A	N/A	N/A	1			05/20/2010 14:49	BMS	ASTM C136-84A
#200 Sieve	9.1	%Passing	N/A	N/A	N/A	1			05/20/2010 14:49	BMS	ASTM C136-84A
#230 Sieve	6.1	%Passing	N/A	N/A	N/A	1			05/20/2010 14:49	BMS	ASTM C136-84A
#4 Sieve	99.9	%Passing	N/A	N/A	N/A	1			05/20/2010 14:49	BMS	ASTM C136-84A
#40 Sieve	97.2	%Passing	N/A	N/A	N/A	1			05/20/2010 14:49	BMS	ASTM C136-84A
#60 Sieve	88.3	%Passing	N/A	N/A	N/A	1			05/20/2010 14:49	BMS	ASTM C136-84A
#80 Sieve	32.9	%Passing	N/A	N/A	N/A	1			05/20/2010 14:49	BMS	ASTM C136-84A

CT LAB#: 798307 Sample Description: BBG-SB18-12-13-10B Sampled: 5/12/2010 1520

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	91.8	%Passing	N/A	N/A	N/A	1			05/20/2010 15:00	BMS	ASTM C136-84A
#100 Sieve	35.5	%Passing	N/A	N/A	N/A	1			05/20/2010 15:00	BMS	ASTM C136-84A
#20 Sieve	80.7	%Passing	N/A	N/A	N/A	1			05/20/2010 15:00	BMS	ASTM C136-84A
#200 Sieve	15.5	%Passing	N/A	N/A	N/A	1			05/20/2010 15:00	BMS	ASTM C136-84A
#230 Sieve	9.5	%Passing	N/A	N/A	N/A	1			05/20/2010 15:00	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/20/2010 15:00	BMS	ASTM C136-84A
#40 Sieve	74.8	%Passing	N/A	N/A	N/A	1			05/20/2010 15:00	BMS	ASTM C136-84A
#60 Sieve	65.5	%Passing	N/A	N/A	N/A	1			05/20/2010 15:00	BMS	ASTM C136-84A
#80 Sieve	40.8	%Passing	N/A	N/A	N/A	1			05/20/2010 15:00	BMS	ASTM C136-84A

CT LAB#: 798308 Sample Description: BBG-SS60-0-1-10B Sampled: 5/12/2010 1555

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798308 Sample Description: BBG-SS60-0-1-10B Sampled: 5/12/2010 1555

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	98.8	%Passing	N/A	N/A	N/A	1			05/21/2010	8:16	BMS	ASTM C136-84A
#100 Sieve	30.7	%Passing	N/A	N/A	N/A	1			05/21/2010	8:16	BMS	ASTM C136-84A
#20 Sieve	97.2	%Passing	N/A	N/A	N/A	1			05/21/2010	8:16	BMS	ASTM C136-84A
#200 Sieve	6.0	%Passing	N/A	N/A	N/A	1			05/21/2010	8:16	BMS	ASTM C136-84A
#230 Sieve	4.3	%Passing	N/A	N/A	N/A	1			05/21/2010	8:16	BMS	ASTM C136-84A
#4 Sieve	99.8	%Passing	N/A	N/A	N/A	1			05/21/2010	8:16	BMS	ASTM C136-84A
#40 Sieve	95.2	%Passing	N/A	N/A	N/A	1			05/21/2010	8:16	BMS	ASTM C136-84A
#60 Sieve	89.2	%Passing	N/A	N/A	N/A	1			05/21/2010	8:16	BMS	ASTM C136-84A
#80 Sieve	51.6	%Passing	N/A	N/A	N/A	1			05/21/2010	8:16	BMS	ASTM C136-84A

CT LAB#: 798309 Sample Description: BBG-SS59-0-1-10B Sampled: 5/12/2010 1640

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	99.5	%Passing	N/A	N/A	N/A	1			05/21/2010	8:28	AMA	ASTM C136-84A
#100 Sieve	47.6	%Passing	N/A	N/A	N/A	1			05/21/2010	8:28	AMA	ASTM C136-84A
#20 Sieve	98.3	%Passing	N/A	N/A	N/A	1			05/21/2010	8:28	AMA	ASTM C136-84A
#200 Sieve	10.6	%Passing	N/A	N/A	N/A	1			05/21/2010	8:28	AMA	ASTM C136-84A
#230 Sieve	6.4	%Passing	N/A	N/A	N/A	1			05/21/2010	8:28	AMA	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/21/2010	8:28	AMA	ASTM C136-84A
#40 Sieve	96.8	%Passing	N/A	N/A	N/A	1			05/21/2010	8:28	AMA	ASTM C136-84A
#60 Sieve	90.8	%Passing	N/A	N/A	N/A	1			05/21/2010	8:28	AMA	ASTM C136-84A
#80 Sieve	61.0	%Passing	N/A	N/A	N/A	1			05/21/2010	8:28	AMA	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798310 Sample Description: BBG-SB59-9-10-10B Sampled: 5/12/2010 1655

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	92.7	%Passing	N/A	N/A	N/A	1			05/21/2010	8:40	BMS	ASTM C136-84A
#100 Sieve	59.7	%Passing	N/A	N/A	N/A	1			05/21/2010	8:40	BMS	ASTM C136-84A
#20 Sieve	76.5	%Passing	N/A	N/A	N/A	1			05/21/2010	8:40	BMS	ASTM C136-84A
#200 Sieve	27.3	%Passing	N/A	N/A	N/A	1			05/21/2010	8:40	BMS	ASTM C136-84A
#230 Sieve	14.8	%Passing	N/A	N/A	N/A	1			05/21/2010	8:40	BMS	ASTM C136-84A
#4 Sieve	99.7	%Passing	N/A	N/A	N/A	1			05/21/2010	8:40	BMS	ASTM C136-84A
#40 Sieve	67.9	%Passing	N/A	N/A	N/A	1			05/21/2010	8:40	BMS	ASTM C136-84A
#60 Sieve	64.1	%Passing	N/A	N/A	N/A	1			05/21/2010	8:40	BMS	ASTM C136-84A
#80 Sieve	61.5	%Passing	N/A	N/A	N/A	1			05/21/2010	8:40	BMS	ASTM C136-84A

CT LAB#: 798311 Sample Description: BBG-SS25-0-1-10B Sampled: 5/13/2010 1105

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	99.8	%Passing	N/A	N/A	N/A	1			05/21/2010	8:53	BMS	ASTM C136-84A
#100 Sieve	37.1	%Passing	N/A	N/A	N/A	1			05/21/2010	8:53	BMS	ASTM C136-84A
#20 Sieve	99.0	%Passing	N/A	N/A	N/A	1			05/21/2010	8:53	BMS	ASTM C136-84A
#200 Sieve	6.2	%Passing	N/A	N/A	N/A	1			05/21/2010	8:53	BMS	ASTM C136-84A
#230 Sieve	3.9	%Passing	N/A	N/A	N/A	1			05/21/2010	8:53	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/21/2010	8:53	BMS	ASTM C136-84A
#40 Sieve	95.2	%Passing	N/A	N/A	N/A	1			05/21/2010	8:53	BMS	ASTM C136-84A
#60 Sieve	86.0	%Passing	N/A	N/A	N/A	1			05/21/2010	8:53	BMS	ASTM C136-84A
#80 Sieve	54.8	%Passing	N/A	N/A	N/A	1			05/21/2010	8:53	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798312 Sample Description: BBG-SB25-3-4-10B Sampled: 5/13/2010 1110

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	98.6	%Passing	N/A	N/A	N/A	1			05/21/2010	9:05	BMS	ASTM C136-84A
#100 Sieve	32.9	%Passing	N/A	N/A	N/A	1			05/21/2010	9:05	BMS	ASTM C136-84A
#20 Sieve	97.6	%Passing	N/A	N/A	N/A	1			05/21/2010	9:05	BMS	ASTM C136-84A
#200 Sieve	5.0	%Passing	N/A	N/A	N/A	1			05/21/2010	9:05	BMS	ASTM C136-84A
#230 Sieve	3.1	%Passing	N/A	N/A	N/A	1			05/21/2010	9:05	BMS	ASTM C136-84A
#4 Sieve	99.0	%Passing	N/A	N/A	N/A	1			05/21/2010	9:05	BMS	ASTM C136-84A
#40 Sieve	93.6	%Passing	N/A	N/A	N/A	1			05/21/2010	9:05	BMS	ASTM C136-84A
#60 Sieve	83.8	%Passing	N/A	N/A	N/A	1			05/21/2010	9:05	BMS	ASTM C136-84A
#80 Sieve	52.5	%Passing	N/A	N/A	N/A	1			05/21/2010	9:05	BMS	ASTM C136-84A

CT LAB#: 798313 Sample Description: BBG-SS85-0-1-10B Sampled: 5/13/2010 0740

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	95.6	%Passing	N/A	N/A	N/A	1			05/21/2010	9:16	BMS	ASTM C136-84A
#100 Sieve	20.0	%Passing	N/A	N/A	N/A	1			05/21/2010	9:16	BMS	ASTM C136-84A
#20 Sieve	88.9	%Passing	N/A	N/A	N/A	1			05/21/2010	9:16	BMS	ASTM C136-84A
#200 Sieve	4.4	%Passing	N/A	N/A	N/A	1			05/21/2010	9:16	BMS	ASTM C136-84A
#230 Sieve	3.3	%Passing	N/A	N/A	N/A	1			05/21/2010	9:16	BMS	ASTM C136-84A
#4 Sieve	99.9	%Passing	N/A	N/A	N/A	1			05/21/2010	9:16	BMS	ASTM C136-84A
#40 Sieve	83.4	%Passing	N/A	N/A	N/A	1			05/21/2010	9:16	BMS	ASTM C136-84A
#60 Sieve	70.4	%Passing	N/A	N/A	N/A	1			05/21/2010	9:16	BMS	ASTM C136-84A
#80 Sieve	36.2	%Passing	N/A	N/A	N/A	1			05/21/2010	9:16	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798314 Sample Description: BBG-SB85-1.5-2.5-10B Sampled: 5/13/2010 0745

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	91.1	%Passing	N/A	N/A	N/A	1			05/21/2010	9:29	BMS	ASTM C136-84A
#100 Sieve	27.9	%Passing	N/A	N/A	N/A	1			05/21/2010	9:29	BMS	ASTM C136-84A
#20 Sieve	82.7	%Passing	N/A	N/A	N/A	1			05/21/2010	9:29	BMS	ASTM C136-84A
#200 Sieve	4.1	%Passing	N/A	N/A	N/A	1			05/21/2010	9:29	BMS	ASTM C136-84A
#230 Sieve	3.0	%Passing	N/A	N/A	N/A	1			05/21/2010	9:29	BMS	ASTM C136-84A
#4 Sieve	99.4	%Passing	N/A	N/A	N/A	1			05/21/2010	9:29	BMS	ASTM C136-84A
#40 Sieve	77.8	%Passing	N/A	N/A	N/A	1			05/21/2010	9:29	BMS	ASTM C136-84A
#60 Sieve	72.9	%Passing	N/A	N/A	N/A	1			05/21/2010	9:29	BMS	ASTM C136-84A
#80 Sieve	47.3	%Passing	N/A	N/A	N/A	1			05/21/2010	9:29	BMS	ASTM C136-84A

CT LAB#: 798315 Sample Description: BBG-SS89-0-1-10B Sampled: 5/13/2010 0825

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	93.7	%Passing	N/A	N/A	N/A	1			05/21/2010	9:40	BMS	ASTM C136-84A
#100 Sieve	35.1	%Passing	N/A	N/A	N/A	1			05/21/2010	9:40	BMS	ASTM C136-84A
#20 Sieve	88.2	%Passing	N/A	N/A	N/A	1			05/21/2010	9:40	BMS	ASTM C136-84A
#200 Sieve	9.1	%Passing	N/A	N/A	N/A	1			05/21/2010	9:40	BMS	ASTM C136-84A
#230 Sieve	5.9	%Passing	N/A	N/A	N/A	1			05/21/2010	9:40	BMS	ASTM C136-84A
#4 Sieve	98.5	%Passing	N/A	N/A	N/A	1			05/21/2010	9:40	BMS	ASTM C136-84A
#40 Sieve	80.9	%Passing	N/A	N/A	N/A	1			05/21/2010	9:40	BMS	ASTM C136-84A
#60 Sieve	69.6	%Passing	N/A	N/A	N/A	1			05/21/2010	9:40	BMS	ASTM C136-84A
#80 Sieve	49.4	%Passing	N/A	N/A	N/A	1			05/21/2010	9:40	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798316 Sample Description: BBG-SB89-6.5-7.5-10B Sampled: 5/13/2010 0845

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	88.3	%Passing	N/A	N/A	N/A	1			05/21/2010	9:54	BMS	ASTM C136-84A
#100 Sieve	22.9	%Passing	N/A	N/A	N/A	1			05/21/2010	9:54	BMS	ASTM C136-84A
#20 Sieve	77.4	%Passing	N/A	N/A	N/A	1			05/21/2010	9:54	BMS	ASTM C136-84A
#200 Sieve	11.3	%Passing	N/A	N/A	N/A	1			05/21/2010	9:54	BMS	ASTM C136-84A
#230 Sieve	7.8	%Passing	N/A	N/A	N/A	1			05/21/2010	9:54	BMS	ASTM C136-84A
#4 Sieve	97.0	%Passing	N/A	N/A	N/A	1			05/21/2010	9:54	BMS	ASTM C136-84A
#40 Sieve	68.3	%Passing	N/A	N/A	N/A	1			05/21/2010	9:54	BMS	ASTM C136-84A
#60 Sieve	51.2	%Passing	N/A	N/A	N/A	1			05/21/2010	9:54	BMS	ASTM C136-84A
#80 Sieve	29.7	%Passing	N/A	N/A	N/A	1			05/21/2010	9:54	BMS	ASTM C136-84A

CT LAB#: 798317 Sample Description: BBG-SS78-0-1-10B Sampled: 5/13/2010 0930

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	87.0	%Passing	N/A	N/A	N/A	1			05/21/2010	10:23	BMS	ASTM C136-84A
#100 Sieve	37.3	%Passing	N/A	N/A	N/A	1			05/21/2010	10:23	BMS	ASTM C136-84A
#20 Sieve	74.8	%Passing	N/A	N/A	N/A	1			05/21/2010	10:23	BMS	ASTM C136-84A
#200 Sieve	13.8	%Passing	N/A	N/A	N/A	1			05/21/2010	10:23	BMS	ASTM C136-84A
#230 Sieve	9.5	%Passing	N/A	N/A	N/A	1			05/21/2010	10:23	BMS	ASTM C136-84A
#4 Sieve	98.7	%Passing	N/A	N/A	N/A	1			05/21/2010	10:23	BMS	ASTM C136-84A
#40 Sieve	67.7	%Passing	N/A	N/A	N/A	1			05/21/2010	10:23	BMS	ASTM C136-84A
#60 Sieve	63.2	%Passing	N/A	N/A	N/A	1			05/21/2010	10:23	BMS	ASTM C136-84A
#80 Sieve	44.6	%Passing	N/A	N/A	N/A	1			05/21/2010	10:23	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798318 Sample Description: BBG-SB78-3.5-4.5-10B Sampled: 5/13/2010 1040

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	89.9	%Passing	N/A	N/A	N/A	1			05/21/2010 10:34	BMS	ASTM C136-84A
#100 Sieve	44.2	%Passing	N/A	N/A	N/A	1			05/21/2010 10:34	BMS	ASTM C136-84A
#20 Sieve	74.0	%Passing	N/A	N/A	N/A	1			05/21/2010 10:34	BMS	ASTM C136-84A
#200 Sieve	18.6	%Passing	N/A	N/A	N/A	1			05/21/2010 10:34	BMS	ASTM C136-84A
#230 Sieve	12.8	%Passing	N/A	N/A	N/A	1			05/21/2010 10:34	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/21/2010 10:34	BMS	ASTM C136-84A
#40 Sieve	65.4	%Passing	N/A	N/A	N/A	1			05/21/2010 10:34	BMS	ASTM C136-84A
#60 Sieve	59.4	%Passing	N/A	N/A	N/A	1			05/21/2010 10:34	BMS	ASTM C136-84A
#80 Sieve	49.4	%Passing	N/A	N/A	N/A	1			05/21/2010 10:34	BMS	ASTM C136-84A

CT LAB#: 798319 Sample Description: BBG-SS77-0-1-10B Sampled: 5/13/2010 1205

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	97.1	%Passing	N/A	N/A	N/A	1			05/21/2010 10:44	BMS	ASTM C136-84A
#100 Sieve	35.7	%Passing	N/A	N/A	N/A	1			05/21/2010 10:44	BMS	ASTM C136-84A
#20 Sieve	92.3	%Passing	N/A	N/A	N/A	1			05/21/2010 10:44	BMS	ASTM C136-84A
#200 Sieve	13.9	%Passing	N/A	N/A	N/A	1			05/21/2010 10:44	BMS	ASTM C136-84A
#230 Sieve	9.0	%Passing	N/A	N/A	N/A	1			05/21/2010 10:44	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/21/2010 10:44	BMS	ASTM C136-84A
#40 Sieve	89.4	%Passing	N/A	N/A	N/A	1			05/21/2010 10:44	BMS	ASTM C136-84A
#60 Sieve	88.1	%Passing	N/A	N/A	N/A	1			05/21/2010 10:44	BMS	ASTM C136-84A
#80 Sieve	56.6	%Passing	N/A	N/A	N/A	1			05/21/2010 10:44	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798320 Sample Description: BBG-SB77-3.5-4.5-10B Sampled: 5/14/2010 1210

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	95.4	%Passing	N/A	N/A	N/A	1			05/21/2010 10:54	BMS	ASTM C136-84A
#100 Sieve	31.6	%Passing	N/A	N/A	N/A	1			05/21/2010 10:54	BMS	ASTM C136-84A
#20 Sieve	86.1	%Passing	N/A	N/A	N/A	1			05/21/2010 10:54	BMS	ASTM C136-84A
#200 Sieve	10.3	%Passing	N/A	N/A	N/A	1			05/21/2010 10:54	BMS	ASTM C136-84A
#230 Sieve	6.6	%Passing	N/A	N/A	N/A	1			05/21/2010 10:54	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/21/2010 10:54	BMS	ASTM C136-84A
#40 Sieve	79.6	%Passing	N/A	N/A	N/A	1			05/21/2010 10:54	BMS	ASTM C136-84A
#60 Sieve	72.8	%Passing	N/A	N/A	N/A	1			05/21/2010 10:54	BMS	ASTM C136-84A
#80 Sieve	48.8	%Passing	N/A	N/A	N/A	1			05/21/2010 10:54	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

Notes: ^ Indicates the laboratory is NELAP accredited for this analyte by the indicated matrix and method.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

This report has been specifically prepared to satisfy project or program requirements. The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Level of uncertainty measurements only provided upon pre-approved request.

Submitted by: PML r
Project Manager
608-356-2760

Current CT Laboratories Certifications

Illinois NELAP ID# 200046

Kansas NELAP ID# E-10368

Kentucky ID# 0023

Pennsylvania NELAP ID# 68-04201

New Jersey NELAP ID# WI001

North Dakota ID# R-171

Wisconsin (WDNR) Chemistry ID# 157066030

Wisconsin (DATCP) Bacteriology ID# 105-289

DoD-ELAP Accreditation Cert # ADE-1453

GA EPD Stipulation

Accreditor:	IL NELAP
Accreditation ID:	200046
Scope:	Hazardous/Solid Waste Non-potable water
Effective:	11/19/2009
Expires:	09/30/2010

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SUBCONTRACT CHAIN-OF-CUSTODY RECORD

COMPUCHEM
a division of Liberty Analytical Corp.

501 Madison Avenue
Cary, NC 27513
1-800-833-5097

Project Name: CTO-094
TAT: 7 day (calendar)
Report style: level IV
Disk requirement: SMEDD

Samples shipped to: CT LABS
Contact: Pat Letterese
Address:
Phone: ( )
Project Locale (state) NC

CompuChem point-of-contact: (4) CATHY DOUGE
Phone: (919) 379-4100 X 4089
Fax: (919) 379-4050
Sampling complete? Y or N (see Note 1)
Project-specific (PS) or Batch (B) QC? per method

BOX #1 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil / Sediment / Sludge 6. Trip Blank 7. Oil 8. Waste 9. Other _____

BOX #2 A. HCl + Ice B. HNO_3 + Ice C. NaOH + Ice D. H_2SO_4 + Ice E. Unpreserved F. Ice Only G. Other _____ H. $NaHSO_4$ + Ice I. ZnAc+NaOH + Ice J. Methanol

BOX #3 F- Filtered U- Unfiltered

BOX #4 H- High M- Medium L- Low

BOX #5 C- CLP T- TCLP S - SW-846 W- CWA 600-series O- Other _____

Sample ID	Date / Year 2010	Time	Box #1 Matrix	Box #2 Preservative	Box #3 Filtered / Unfiltered	Box #4 Expected Conc.	Box #5 Method	# of Bottles	Use for Lab QC (MS or DUP)	PARAMETERS: grain size ASTM D422	CCN
BBG-SB11-11-12-10B	5/11	1620	S	E	U			1		✓	798301
BBG-SB48-7-8-10B	5/12	1130								✓	798302
BBG-SS48-0-1-10B	↓	1100								✓	798303
BBG-SS52-0-1-10B	5/11	1515								✓	798304
BBG-SS57-0-1-10B	5/12	1205								✓	798~~304~~305
BBG-SS18-0-1-10B	5/12	1505								✓	798~~305~~306
BBG-SB18-12-13-10B		1520								✓	798~~306~~307
BBG-SS60-0-1-10B		1555								✓	798~~307~~308
BBG-SS59-0-1-10B		1640								✓	798~~308~~309
BBG-SB59-9-10-10B	↓	1655	↓	↓	↓			↓		✓	798~~309~~310

e-mail results to: cdover@compuchemlabs.com

Remarks / Comments (see Notes 2 & 3)

Folder #: 78995
Company: COMPUCHEM
Project: CTO-094
Logged By: JLS PM: PM

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Clients Special Instructions:

Temperature _____ °C

Lab: Received in good condition? Y or N Describe any problems:

#1 Relenquished by:(sig) Jennifer Doe	Date: 5.14.10	#2 Relinquished by:(sig)	Date:	Relinquished by:(sig)	Date:
Company Name: Compuchem	Time: 1720	Company Name:	Time:	Company Name:	Time:
#1 Received by:(sig)	Date:	#2 Received by:(sig)	Date:	#2 Received by:(sig)	Date: 5/17/10
Company Name:	Time:	Company Name:	Time:	Company Name: CT LABS	Time: 1025

Note (1) If "N" lab should batch samples to await remainder of project - maximizing batch size and minimizing QC ratio; if "Y" lab should begin processing batches now.
Note (2) Samples should be stored 60 days after date report mailed at no extra charge.
Note (3) All lab copies of data should be retained for a minimum of 3 years.
Note (4) Please call point-of-contact to verify receipt of samples.

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78995

SDG 2 Pg 2 of 2

S 13541

SUBCONTRACT CHAIN-OF-CUSTODY RECORD

COMPUCHEM
a division of Liberty Analytical Corp.

501 Madison Avenue
Cary, NC 27513
1-800-833-5097

Project Name: CTO-094	Samples shipped to: CT LABS	CompuChem point-of-contact: (4)
TAT: 7 day TAT (calendar)	Contact: Pat Letterer	Phone: (919) 379-4100 X
	Address:	Fax: (919) 379-
Report style: level IV	Phone: ( )	Sampling complete? Y or N (see Note 1)
Disk requirement: SVEDD	Project Locale (state)	Project-specific (PS) or Batch (B) QC?

BOX #1	BOX #2	BOX #3	BOX #4	BOX #5
1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil / Sediment / Sludge 6. Trip Blank 7. Oil 8. Waste 9. Other	A. HCl + Ice B. HNO_3 + Ice C. NaOH + Ice D. H_2SO_4 + Ice E. Unpreserved F. Ice Only G. Other H. $NaHSO_4$ + Ice I. ZnAc+NaOH + Ice J. Methanol	F- Filtered U- Unfiltered	H- High M- Medium L- Low	C- CLP S - SW-846 W- CWA 600-series O- Other T- TCLP

Remarks / Comments (see Notes 2 & 3): Installation: CAMP_LEJEUNE MCB; Contract: N6247008D1006

Sample ID	Date / Year 2010	Time	Box #1 Matrix	Box #2 Preservative	Box #3 Filtered / Unfiltered	Box #4 Expected Conc.	Box #5 Method	# of Bottles	Use for Lab QC (MS or DUP)	PARAMETERS: grain size sieve only ASTM 422	CCN
BBG-SS25-Ø-1-10B	5/13	1105	5	E	U			1		✓	798 ~~310~~ 311
BBG-SB25-3-4-10B		1110								✓	798 ~~311~~ 312
BBG-SS85-Ø-1-10B	-	0740								✓	798 ~~312~~ 313
BBG-SB85-1.5-2.5-10B		0745								✓	798 ~~313~~ 314
BBG-SS89-Ø-1-10B		0825								✓	798 ~~314~~ 315
BBG-SB89-6.5-7.5-10B		0845								✓	798 ~~315~~ 316
BBG-SS78-Ø-1-10B		0930								✓	798 ~~316~~ 317
BBG-SB78-3.5-4.5-10B		1040								✓	798 ~~317~~ 318
BBG-SS77-Ø-1-10B		1205								✓	798319
BBG-SB77-~~2.5-3.5~~ 3.5-4.5-10B (5/14/10)		1210								✓	798320

Clients Special Instructions: Temperature ____ °C

Lab: Received in good condition? Y or N Describe any problems:

#1 Relenquished by:(sig) Jennifer Dae	Date: 5.14.10	#2 Relinquished by:(sig) Date:	Relinquished by:(sig) Date:
Company Name: CompuChem	Time: 1720	Company Name: Time:	Company Name: Time:
#1 Received by:(sig)	Date:	#2 Received by:(sig) Date:	#2 Received by:(sig) [signature] Date: 5/17/10
Company Name:	Time:	Company Name: Time:	Company Name: CT LABS Time: 1025

Note (1) If "N" lab should batch samples to await remainder of project - maximizing batch size and minimizing QC ratio; if "Y" lab should begin processing batches now.
Note (2) Samples should be stored 60 days after date report mailed at no extra charge.
Note (3) All lab copies of data should be retained for a minimum of 3 years.
Note (4) Please call point-of-contact to verify receipt of samples.

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CT LABORATORIES
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Sample Condition Report

Folder #: 78995
Client: COMPUCHEM

Print Date / Time: 05/17/2010 10:27
Received Date / Time / By: 05/15/7201 1200 LAW

Project Name: CTO-094
Project #:

Log-In Date / Time / By: 05/17/2010 1025 JLS
PM: PML

Coolers: 2 OF THEIRS
Custody Seals Present : **Y**

Temperature: AMBIENT C On Ice: **N**
COC Present:? **Y** Complete? **Y**

Seal Intact? **Y**
Ship Method: UPS
Adequate Packaging: **Y**

Numbers: DATED AND SIGNED
Tracking Number: 1ZA1R1114447133351,1ZA1R11144475689
Temp Blank Enclosed?

Notes: SAMPLES REC'D IN GOOD CONDITION. NO ICE PRESENT, NO TEMP BLANK.
COMPUCHEM CUSTODY SEALS 1 ON EACH COOLER. BOTH DATED 5-14-10 AND SSIGNED BY J DOVER

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
798301 BBG-SB11-11-12-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798302 BBG-SB48-7-8-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798303 BBG-SS48-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798304 BBG-SS52-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798305 BBG-SS57-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798306 BBG-SS18-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
798307 BBG-SB18-12-13-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798308 BBG-SS60-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798309 BBG-SS59-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798310 BBG-SB59-9-10-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798311 BBG-SS25-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798312 BBG-SB25-3-4-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798313 BBG-SS85-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798314 BBG-SB85-1.5-2.5-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798315 BBG-SS89-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
798316 BBG-SB89-6.5-7.5-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
798317 BBG-SS780-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
798318 BBG-SB78-3.5-4.5-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
798319 BBG-SS77-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
798320 BBG-SB77-3.5-4.5-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Condition Code	*Condition Description*
1	Sample Received OK

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ANALYTICAL REPORT

This report at a minimum contains the following information:

- Analytical Report of Test Results
- Description of QC Qualifiers
- Chain of Custody (copy)
- Sample Condition Report
- Quality Control Summary
- Case Narrative (if applicable)
- Correspondence with Client (if applicable)

For analyses that require NELAP accreditation, all analytes, by matrix and method, are accredited following current NELAP standards unless specifically noted in this document.

1230 Lange Court • Baraboo, WI 53913 • 608-356-2760 • www.ctlaboratories.com

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ANALYTICAL REPORT

COMPUCHEM
CATHY DOVER
501 MADISON AVENUE
CARY, NC 27513

Project Name: CTO-094
Contract #: 2186
Project #:
Folder #: 78995
Purchase Order #:

Arrival Temperature: See COC
Report Date: 5/21/2010
Date Received: 5/15/2010
Reprint Date: 5/21/2010

CT LAB#: 798301 Sample Description: BBG-SB11-11-12-10B Sampled: 5/11/2010 1620

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	89.3	%Passing	N/A	N/A	N/A	1			05/20/2010 13:56	BMS	ASTM C136-84A
#100 Sieve	57.6	%Passing	N/A	N/A	N/A	1			05/20/2010 13:56	BMS	ASTM C136-84A
#20 Sieve	75.1	%Passing	N/A	N/A	N/A	1			05/20/2010 13:56	BMS	ASTM C136-84A
#200 Sieve	23.1	%Passing	N/A	N/A	N/A	1			05/20/2010 13:56	BMS	ASTM C136-84A
#230 Sieve	12.0	%Passing	N/A	N/A	N/A	1			05/20/2010 13:56	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/20/2010 13:56	BMS	ASTM C136-84A
#40 Sieve	66.9	%Passing	N/A	N/A	N/A	1			05/20/2010 13:56	BMS	ASTM C136-84A
#60 Sieve	64.7	%Passing	N/A	N/A	N/A	1			05/20/2010 13:56	BMS	ASTM C136-84A
#80 Sieve	59.4	%Passing	N/A	N/A	N/A	1			05/20/2010 13:56	BMS	ASTM C136-84A

CT LAB#: 798302 Sample Description: BBG-SB48-7-8-10B Sampled: 5/12/2010 1130

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	99.9	%Passing	N/A	N/A	N/A	1			05/20/2010 14:06	BMS	ASTM C136-84A
#100 Sieve	47.9	%Passing	N/A	N/A	N/A	1			05/20/2010 14:06	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798302 Sample Description: BBG-SB48-7-8-10B Sampled: 5/12/2010 1130

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
#20 Sieve	99.3	%Passing	N/A	N/A	N/A	1			05/20/2010 14:06	BMS	ASTM C136-84A
#200 Sieve	3.3	%Passing	N/A	N/A	N/A	1			05/20/2010 14:06	BMS	ASTM C136-84A
#230 Sieve	1.8	%Passing	N/A	N/A	N/A	1			05/20/2010 14:06	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/20/2010 14:06	BMS	ASTM C136-84A
#40 Sieve	97.9	%Passing	N/A	N/A	N/A	1			05/20/2010 14:06	BMS	ASTM C136-84A
#60 Sieve	92.6	%Passing	N/A	N/A	N/A	1			05/20/2010 14:06	BMS	ASTM C136-84A
#80 Sieve	64.9	%Passing	N/A	N/A	N/A	1			05/20/2010 14:06	BMS	ASTM C136-84A

CT LAB#: 798303 Sample Description: BBG-SS48-0-1-10B Sampled: 5/12/2010 1100

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	99.9	%Passing	N/A	N/A	N/A	1			05/20/2010 14:17	BMS	ASTM C136-84A
#100 Sieve	40.4	%Passing	N/A	N/A	N/A	1			05/20/2010 14:17	BMS	ASTM C136-84A
#20 Sieve	99.7	%Passing	N/A	N/A	N/A	1			05/20/2010 14:17	BMS	ASTM C136-84A
#200 Sieve	5.6	%Passing	N/A	N/A	N/A	1			05/20/2010 14:17	BMS	ASTM C136-84A
#230 Sieve	4.4	%Passing	N/A	N/A	N/A	1			05/20/2010 14:17	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/20/2010 14:17	BMS	ASTM C136-84A
#40 Sieve	98.7	%Passing	N/A	N/A	N/A	1			05/20/2010 14:17	BMS	ASTM C136-84A
#60 Sieve	90.8	%Passing	N/A	N/A	N/A	1			05/20/2010 14:17	BMS	ASTM C136-84A
#80 Sieve	59.8	%Passing	N/A	N/A	N/A	1			05/20/2010 14:17	BMS	ASTM C136-84A

CT LAB#: 798304 Sample Description: BBG-SS52-0-1-10B Sampled: 5/11/2010 1515

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	99.8	%Passing	N/A	N/A	N/A	1			05/20/2010 14:28	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798304 Sample Description: BBG-SS52-0-1-10B Sampled: 5/11/2010 1515

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
#100 Sieve	47.0	%Passing	N/A	N/A	N/A	1			05/20/2010 14:28	BMS	ASTM C136-84A
#20 Sieve	99.0	%Passing	N/A	N/A	N/A	1			05/20/2010 14:28	BMS	ASTM C136-84A
#200 Sieve	10.7	%Passing	N/A	N/A	N/A	1			05/20/2010 14:28	BMS	ASTM C136-84A
#230 Sieve	7.7	%Passing	N/A	N/A	N/A	1			05/20/2010 14:28	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/20/2010 14:28	BMS	ASTM C136-84A
#40 Sieve	96.0	%Passing	N/A	N/A	N/A	1			05/20/2010 14:28	BMS	ASTM C136-84A
#60 Sieve	87.6	%Passing	N/A	N/A	N/A	1			05/20/2010 14:28	BMS	ASTM C136-84A
#80 Sieve	64.5	%Passing	N/A	N/A	N/A	1			05/20/2010 14:28	BMS	ASTM C136-84A

CT LAB#: 798305 Sample Description: BBG-SS57-0-1-10B Sampled: 5/12/2010 1205

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	99.3	%Passing	N/A	N/A	N/A	1			05/20/2010 14:38	BMS	ASTM C136-84A
#100 Sieve	17.9	%Passing	N/A	N/A	N/A	1			05/20/2010 14:38	BMS	ASTM C136-84A
#20 Sieve	97.3	%Passing	N/A	N/A	N/A	1			05/20/2010 14:38	BMS	ASTM C136-84A
#200 Sieve	2.4	%Passing	N/A	N/A	N/A	1			05/20/2010 14:38	BMS	ASTM C136-84A
#230 Sieve	2.0	%Passing	N/A	N/A	N/A	1			05/20/2010 14:38	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/20/2010 14:38	BMS	ASTM C136-84A
#40 Sieve	91.4	%Passing	N/A	N/A	N/A	1			05/20/2010 14:38	BMS	ASTM C136-84A
#60 Sieve	71.4	%Passing	N/A	N/A	N/A	1			05/20/2010 14:38	BMS	ASTM C136-84A
#80 Sieve	32.9	%Passing	N/A	N/A	N/A	1			05/20/2010 14:38	BMS	ASTM C136-84A

CT LAB#: 798306 Sample Description: BBG-SS18-0-1-10B Sampled: 5/12/2010 1505

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798306 Sample Description: BBG-SS18-0-1-10B Sampled: 5/12/2010 1505

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
#10 Sieve	99.3	%Passing	N/A	N/A	N/A	1			05/20/2010 14:49	BMS	ASTM C136-84A
#100 Sieve	19.2	%Passing	N/A	N/A	N/A	1			05/20/2010 14:49	BMS	ASTM C136-84A
#20 Sieve	98.2	%Passing	N/A	N/A	N/A	1			05/20/2010 14:49	BMS	ASTM C136-84A
#200 Sieve	9.1	%Passing	N/A	N/A	N/A	1			05/20/2010 14:49	BMS	ASTM C136-84A
#230 Sieve	6.1	%Passing	N/A	N/A	N/A	1			05/20/2010 14:49	BMS	ASTM C136-84A
#4 Sieve	99.9	%Passing	N/A	N/A	N/A	1			05/20/2010 14:49	BMS	ASTM C136-84A
#40 Sieve	97.2	%Passing	N/A	N/A	N/A	1			05/20/2010 14:49	BMS	ASTM C136-84A
#60 Sieve	88.3	%Passing	N/A	N/A	N/A	1			05/20/2010 14:49	BMS	ASTM C136-84A
#80 Sieve	32.9	%Passing	N/A	N/A	N/A	1			05/20/2010 14:49	BMS	ASTM C136-84A

CT LAB#: 798307 Sample Description: BBG-SB18-12-13-10B Sampled: 5/12/2010 1520

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	91.8	%Passing	N/A	N/A	N/A	1			05/20/2010 15:00	BMS	ASTM C136-84A
#100 Sieve	35.5	%Passing	N/A	N/A	N/A	1			05/20/2010 15:00	BMS	ASTM C136-84A
#20 Sieve	80.7	%Passing	N/A	N/A	N/A	1			05/20/2010 15:00	BMS	ASTM C136-84A
#200 Sieve	15.5	%Passing	N/A	N/A	N/A	1			05/20/2010 15:00	BMS	ASTM C136-84A
#230 Sieve	9.5	%Passing	N/A	N/A	N/A	1			05/20/2010 15:00	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/20/2010 15:00	BMS	ASTM C136-84A
#40 Sieve	74.8	%Passing	N/A	N/A	N/A	1			05/20/2010 15:00	BMS	ASTM C136-84A
#60 Sieve	65.5	%Passing	N/A	N/A	N/A	1			05/20/2010 15:00	BMS	ASTM C136-84A
#80 Sieve	40.8	%Passing	N/A	N/A	N/A	1			05/20/2010 15:00	BMS	ASTM C136-84A

CT LAB#: 798308 Sample Description: BBG-SS60-0-1-10B Sampled: 5/12/2010 1555

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798308 Sample Description: BBG-SS60-0-1-10B Sampled: 5/12/2010 1555

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	98.8	%Passing	N/A	N/A	N/A	1			05/21/2010	8:16	BMS	ASTM C136-84A
#100 Sieve	30.7	%Passing	N/A	N/A	N/A	1			05/21/2010	8:16	BMS	ASTM C136-84A
#20 Sieve	97.2	%Passing	N/A	N/A	N/A	1			05/21/2010	8:16	BMS	ASTM C136-84A
#200 Sieve	6.0	%Passing	N/A	N/A	N/A	1			05/21/2010	8:16	BMS	ASTM C136-84A
#230 Sieve	4.3	%Passing	N/A	N/A	N/A	1			05/21/2010	8:16	BMS	ASTM C136-84A
#4 Sieve	99.8	%Passing	N/A	N/A	N/A	1			05/21/2010	8:16	BMS	ASTM C136-84A
#40 Sieve	95.2	%Passing	N/A	N/A	N/A	1			05/21/2010	8:16	BMS	ASTM C136-84A
#60 Sieve	89.2	%Passing	N/A	N/A	N/A	1			05/21/2010	8:16	BMS	ASTM C136-84A
#80 Sieve	51.6	%Passing	N/A	N/A	N/A	1			05/21/2010	8:16	BMS	ASTM C136-84A

CT LAB#: 798309 Sample Description: BBG-SS59-0-1-10B Sampled: 5/12/2010 1640

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	99.5	%Passing	N/A	N/A	N/A	1			05/21/2010	8:28	AMA	ASTM C136-84A
#100 Sieve	47.6	%Passing	N/A	N/A	N/A	1			05/21/2010	8:28	AMA	ASTM C136-84A
#20 Sieve	98.3	%Passing	N/A	N/A	N/A	1			05/21/2010	8:28	AMA	ASTM C136-84A
#200 Sieve	10.6	%Passing	N/A	N/A	N/A	1			05/21/2010	8:28	AMA	ASTM C136-84A
#230 Sieve	6.4	%Passing	N/A	N/A	N/A	1			05/21/2010	8:28	AMA	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/21/2010	8:28	AMA	ASTM C136-84A
#40 Sieve	96.8	%Passing	N/A	N/A	N/A	1			05/21/2010	8:28	AMA	ASTM C136-84A
#60 Sieve	90.8	%Passing	N/A	N/A	N/A	1			05/21/2010	8:28	AMA	ASTM C136-84A
#80 Sieve	61.0	%Passing	N/A	N/A	N/A	1			05/21/2010	8:28	AMA	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798310 Sample Description: BBG-SB59-9-10-10B Sampled: 5/12/2010 1655

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	92.7	%Passing	N/A	N/A	N/A	1			05/21/2010	8:40	BMS	ASTM C136-84A
#100 Sieve	59.7	%Passing	N/A	N/A	N/A	1			05/21/2010	8:40	BMS	ASTM C136-84A
#20 Sieve	76.5	%Passing	N/A	N/A	N/A	1			05/21/2010	8:40	BMS	ASTM C136-84A
#200 Sieve	27.3	%Passing	N/A	N/A	N/A	1			05/21/2010	8:40	BMS	ASTM C136-84A
#230 Sieve	14.8	%Passing	N/A	N/A	N/A	1			05/21/2010	8:40	BMS	ASTM C136-84A
#4 Sieve	99.7	%Passing	N/A	N/A	N/A	1			05/21/2010	8:40	BMS	ASTM C136-84A
#40 Sieve	67.9	%Passing	N/A	N/A	N/A	1			05/21/2010	8:40	BMS	ASTM C136-84A
#60 Sieve	64.1	%Passing	N/A	N/A	N/A	1			05/21/2010	8:40	BMS	ASTM C136-84A
#80 Sieve	61.5	%Passing	N/A	N/A	N/A	1			05/21/2010	8:40	BMS	ASTM C136-84A

CT LAB#: 798311 Sample Description: BBG-SS25-0-1-10B Sampled: 5/13/2010 1105

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	99.8	%Passing	N/A	N/A	N/A	1			05/21/2010	8:53	BMS	ASTM C136-84A
#100 Sieve	37.1	%Passing	N/A	N/A	N/A	1			05/21/2010	8:53	BMS	ASTM C136-84A
#20 Sieve	99.0	%Passing	N/A	N/A	N/A	1			05/21/2010	8:53	BMS	ASTM C136-84A
#200 Sieve	6.2	%Passing	N/A	N/A	N/A	1			05/21/2010	8:53	BMS	ASTM C136-84A
#230 Sieve	3.9	%Passing	N/A	N/A	N/A	1			05/21/2010	8:53	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/21/2010	8:53	BMS	ASTM C136-84A
#40 Sieve	95.2	%Passing	N/A	N/A	N/A	1			05/21/2010	8:53	BMS	ASTM C136-84A
#60 Sieve	86.0	%Passing	N/A	N/A	N/A	1			05/21/2010	8:53	BMS	ASTM C136-84A
#80 Sieve	54.8	%Passing	N/A	N/A	N/A	1			05/21/2010	8:53	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798312 Sample Description: BBG-SB25-3-4-10B Sampled: 5/13/2010 1110

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	98.6	%Passing	N/A	N/A	N/A	1			05/21/2010	9:05	BMS	ASTM C136-84A
#100 Sieve	32.9	%Passing	N/A	N/A	N/A	1			05/21/2010	9:05	BMS	ASTM C136-84A
#20 Sieve	97.6	%Passing	N/A	N/A	N/A	1			05/21/2010	9:05	BMS	ASTM C136-84A
#200 Sieve	5.0	%Passing	N/A	N/A	N/A	1			05/21/2010	9:05	BMS	ASTM C136-84A
#230 Sieve	3.1	%Passing	N/A	N/A	N/A	1			05/21/2010	9:05	BMS	ASTM C136-84A
#4 Sieve	99.0	%Passing	N/A	N/A	N/A	1			05/21/2010	9:05	BMS	ASTM C136-84A
#40 Sieve	93.6	%Passing	N/A	N/A	N/A	1			05/21/2010	9:05	BMS	ASTM C136-84A
#60 Sieve	83.8	%Passing	N/A	N/A	N/A	1			05/21/2010	9:05	BMS	ASTM C136-84A
#80 Sieve	52.5	%Passing	N/A	N/A	N/A	1			05/21/2010	9:05	BMS	ASTM C136-84A

CT LAB#: 798313 Sample Description: BBG-SS85-0-1-10B Sampled: 5/13/2010 0740

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	95.6	%Passing	N/A	N/A	N/A	1			05/21/2010	9:16	BMS	ASTM C136-84A
#100 Sieve	20.0	%Passing	N/A	N/A	N/A	1			05/21/2010	9:16	BMS	ASTM C136-84A
#20 Sieve	88.9	%Passing	N/A	N/A	N/A	1			05/21/2010	9:16	BMS	ASTM C136-84A
#200 Sieve	4.4	%Passing	N/A	N/A	N/A	1			05/21/2010	9:16	BMS	ASTM C136-84A
#230 Sieve	3.3	%Passing	N/A	N/A	N/A	1			05/21/2010	9:16	BMS	ASTM C136-84A
#4 Sieve	99.9	%Passing	N/A	N/A	N/A	1			05/21/2010	9:16	BMS	ASTM C136-84A
#40 Sieve	83.4	%Passing	N/A	N/A	N/A	1			05/21/2010	9:16	BMS	ASTM C136-84A
#60 Sieve	70.4	%Passing	N/A	N/A	N/A	1			05/21/2010	9:16	BMS	ASTM C136-84A
#80 Sieve	36.2	%Passing	N/A	N/A	N/A	1			05/21/2010	9:16	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798314 Sample Description: BBG-SB85-1.5-2.5-10B Sampled: 5/13/2010 0745

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	91.1	%Passing	N/A	N/A	N/A	1			05/21/2010	9:29	BMS	ASTM C136-84A
#100 Sieve	27.9	%Passing	N/A	N/A	N/A	1			05/21/2010	9:29	BMS	ASTM C136-84A
#20 Sieve	82.7	%Passing	N/A	N/A	N/A	1			05/21/2010	9:29	BMS	ASTM C136-84A
#200 Sieve	4.1	%Passing	N/A	N/A	N/A	1			05/21/2010	9:29	BMS	ASTM C136-84A
#230 Sieve	3.0	%Passing	N/A	N/A	N/A	1			05/21/2010	9:29	BMS	ASTM C136-84A
#4 Sieve	99.4	%Passing	N/A	N/A	N/A	1			05/21/2010	9:29	BMS	ASTM C136-84A
#40 Sieve	77.8	%Passing	N/A	N/A	N/A	1			05/21/2010	9:29	BMS	ASTM C136-84A
#60 Sieve	72.9	%Passing	N/A	N/A	N/A	1			05/21/2010	9:29	BMS	ASTM C136-84A
#80 Sieve	47.3	%Passing	N/A	N/A	N/A	1			05/21/2010	9:29	BMS	ASTM C136-84A

CT LAB#: 798315 Sample Description: BBG-SS89-0-1-10B Sampled: 5/13/2010 0825

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	93.7	%Passing	N/A	N/A	N/A	1			05/21/2010	9:40	BMS	ASTM C136-84A
#100 Sieve	35.1	%Passing	N/A	N/A	N/A	1			05/21/2010	9:40	BMS	ASTM C136-84A
#20 Sieve	88.2	%Passing	N/A	N/A	N/A	1			05/21/2010	9:40	BMS	ASTM C136-84A
#200 Sieve	9.1	%Passing	N/A	N/A	N/A	1			05/21/2010	9:40	BMS	ASTM C136-84A
#230 Sieve	5.9	%Passing	N/A	N/A	N/A	1			05/21/2010	9:40	BMS	ASTM C136-84A
#4 Sieve	98.5	%Passing	N/A	N/A	N/A	1			05/21/2010	9:40	BMS	ASTM C136-84A
#40 Sieve	80.9	%Passing	N/A	N/A	N/A	1			05/21/2010	9:40	BMS	ASTM C136-84A
#60 Sieve	69.6	%Passing	N/A	N/A	N/A	1			05/21/2010	9:40	BMS	ASTM C136-84A
#80 Sieve	49.4	%Passing	N/A	N/A	N/A	1			05/21/2010	9:40	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798316 Sample Description: BBG-SB89-6.5-7.5-10B Sampled: 5/13/2010 0845

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	88.3	%Passing	N/A	N/A	N/A	1			05/21/2010	9:54	BMS	ASTM C136-84A
#100 Sieve	22.9	%Passing	N/A	N/A	N/A	1			05/21/2010	9:54	BMS	ASTM C136-84A
#20 Sieve	77.4	%Passing	N/A	N/A	N/A	1			05/21/2010	9:54	BMS	ASTM C136-84A
#200 Sieve	11.3	%Passing	N/A	N/A	N/A	1			05/21/2010	9:54	BMS	ASTM C136-84A
#230 Sieve	7.8	%Passing	N/A	N/A	N/A	1			05/21/2010	9:54	BMS	ASTM C136-84A
#4 Sieve	97.0	%Passing	N/A	N/A	N/A	1			05/21/2010	9:54	BMS	ASTM C136-84A
#40 Sieve	68.3	%Passing	N/A	N/A	N/A	1			05/21/2010	9:54	BMS	ASTM C136-84A
#60 Sieve	51.2	%Passing	N/A	N/A	N/A	1			05/21/2010	9:54	BMS	ASTM C136-84A
#80 Sieve	29.7	%Passing	N/A	N/A	N/A	1			05/21/2010	9:54	BMS	ASTM C136-84A

CT LAB#: 798317 Sample Description: BBG-SS78-0-1-10B Sampled: 5/13/2010 0930

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	87.0	%Passing	N/A	N/A	N/A	1			05/21/2010	10:23	BMS	ASTM C136-84A
#100 Sieve	37.3	%Passing	N/A	N/A	N/A	1			05/21/2010	10:23	BMS	ASTM C136-84A
#20 Sieve	74.8	%Passing	N/A	N/A	N/A	1			05/21/2010	10:23	BMS	ASTM C136-84A
#200 Sieve	13.8	%Passing	N/A	N/A	N/A	1			05/21/2010	10:23	BMS	ASTM C136-84A
#230 Sieve	9.5	%Passing	N/A	N/A	N/A	1			05/21/2010	10:23	BMS	ASTM C136-84A
#4 Sieve	98.7	%Passing	N/A	N/A	N/A	1			05/21/2010	10:23	BMS	ASTM C136-84A
#40 Sieve	67.7	%Passing	N/A	N/A	N/A	1			05/21/2010	10:23	BMS	ASTM C136-84A
#60 Sieve	63.2	%Passing	N/A	N/A	N/A	1			05/21/2010	10:23	BMS	ASTM C136-84A
#80 Sieve	44.6	%Passing	N/A	N/A	N/A	1			05/21/2010	10:23	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798318 Sample Description: BBG-SB78-3.5-4.5-10B Sampled: 5/13/2010 1040

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	89.9	%Passing	N/A	N/A	N/A	1			05/21/2010 10:34	BMS	ASTM C136-84A
#100 Sieve	44.2	%Passing	N/A	N/A	N/A	1			05/21/2010 10:34	BMS	ASTM C136-84A
#20 Sieve	74.0	%Passing	N/A	N/A	N/A	1			05/21/2010 10:34	BMS	ASTM C136-84A
#200 Sieve	18.6	%Passing	N/A	N/A	N/A	1			05/21/2010 10:34	BMS	ASTM C136-84A
#230 Sieve	12.8	%Passing	N/A	N/A	N/A	1			05/21/2010 10:34	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/21/2010 10:34	BMS	ASTM C136-84A
#40 Sieve	65.4	%Passing	N/A	N/A	N/A	1			05/21/2010 10:34	BMS	ASTM C136-84A
#60 Sieve	59.4	%Passing	N/A	N/A	N/A	1			05/21/2010 10:34	BMS	ASTM C136-84A
#80 Sieve	49.4	%Passing	N/A	N/A	N/A	1			05/21/2010 10:34	BMS	ASTM C136-84A

CT LAB#: 798319 Sample Description: BBG-SS77-0-1-10B Sampled: 5/13/2010 1205

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	97.1	%Passing	N/A	N/A	N/A	1			05/21/2010 10:44	BMS	ASTM C136-84A
#100 Sieve	35.7	%Passing	N/A	N/A	N/A	1			05/21/2010 10:44	BMS	ASTM C136-84A
#20 Sieve	92.3	%Passing	N/A	N/A	N/A	1			05/21/2010 10:44	BMS	ASTM C136-84A
#200 Sieve	13.9	%Passing	N/A	N/A	N/A	1			05/21/2010 10:44	BMS	ASTM C136-84A
#230 Sieve	9.0	%Passing	N/A	N/A	N/A	1			05/21/2010 10:44	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/21/2010 10:44	BMS	ASTM C136-84A
#40 Sieve	89.4	%Passing	N/A	N/A	N/A	1			05/21/2010 10:44	BMS	ASTM C136-84A
#60 Sieve	88.1	%Passing	N/A	N/A	N/A	1			05/21/2010 10:44	BMS	ASTM C136-84A
#80 Sieve	56.6	%Passing	N/A	N/A	N/A	1			05/21/2010 10:44	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798320 Sample Description: BBG-SB77-3.5-4.5-10B Sampled: 5/14/2010 1210

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	95.4	%Passing	N/A	N/A	N/A	1			05/21/2010 10:54	BMS	ASTM C136-84A
#100 Sieve	31.6	%Passing	N/A	N/A	N/A	1			05/21/2010 10:54	BMS	ASTM C136-84A
#20 Sieve	86.1	%Passing	N/A	N/A	N/A	1			05/21/2010 10:54	BMS	ASTM C136-84A
#200 Sieve	10.3	%Passing	N/A	N/A	N/A	1			05/21/2010 10:54	BMS	ASTM C136-84A
#230 Sieve	6.6	%Passing	N/A	N/A	N/A	1			05/21/2010 10:54	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/21/2010 10:54	BMS	ASTM C136-84A
#40 Sieve	79.6	%Passing	N/A	N/A	N/A	1			05/21/2010 10:54	BMS	ASTM C136-84A
#60 Sieve	72.8	%Passing	N/A	N/A	N/A	1			05/21/2010 10:54	BMS	ASTM C136-84A
#80 Sieve	48.8	%Passing	N/A	N/A	N/A	1			05/21/2010 10:54	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

Notes: ^ Indicates the laboratory is NELAP accredited for this analyte by the indicated matrix and method.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

This report has been specifically prepared to satisfy project or program requirements. The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Level of uncertainty measurements only provided upon pre-approved request.

Submitted by: PML r
Project Manager
608-356-2760

Current CT Laboratories Certifications

Illinois NELAP ID# 200046

Kansas NELAP ID# E-10368

Kentucky ID# 0023

Pennsylvania NELAP ID# 68-04201

New Jersey NELAP ID# WI001

North Dakota ID# R-171

Wisconsin (WDNR) Chemistry ID# 157066030

Wisconsin (DATCP) Bacteriology ID# 105-289

DoD-ELAP Accreditation Cert # ADE-1453

GA EPD Stipulation

Accreditor:	IL NELAP
Accreditation ID:	200046
Scope:	Hazardous/Solid Waste Non-potable water
Effective:	11/19/2009
Expires:	09/30/2010

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SUBCONTRACT CHAIN-OF-CUSTODY RECORD

COMPUCHEM
a division of Liberty Analytical Corp.

501 Madison Avenue
Cary, NC 27513
1-800-833-5097

Project Name: CTO-094
TAT: 7 day (calendar)
Report style: level IV
Disk requirement: SMEDD

Samples shipped to: CT LABS
Contact: Pat Letterese
Address:
Phone: ( )
Project Locale (state) NC

CompuChem point-of-contact: (4) CATHY DOUGE
Phone: (919) 379-4100 X 4089
Fax: (919) 379-4050
Sampling complete? Y or N (see Note 1)
Project-specific (PS) or Batch (B) QC? per method

BOX #1 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil / Sediment / Sludge 6. Trip Blank 7. Oil 8. Waste 9. Other _____

BOX #2 A. HCl + Ice B. HNO_3 + Ice C. NaOH + Ice D. H_2SO_4 + Ice E. Unpreserved F. Ice Only G. Other _____ H. $NaHSO_4$ + Ice I. ZnAc+NaOH + Ice J. Methanol

BOX #3 F- Filtered U- Unfiltered

BOX #4 H- High M- Medium L- Low

BOX #5 C- CLP T- TCLP S - SW-846 W- CWA 600-series O- Other _____

Sample ID	Date / Year 2010	Time	Box #1 Matrix	Box #2 Preservative	Box #3 Filtered / Unfiltered	Box #4 Expected Conc.	Box #5 Method	# of Bottles	Use for Lab QC (MS or DUP)	PARAMETERS: grain size ASTM D422	CCN
BBG-SB11-11-12-10B	5/11	1620	S	E	U			1		✓	798301
BBG-SB48-7-8-10B	5/12	1130								✓	798302
BBG-SS48-0-1-10B	↓	1100								✓	798303
BBG-SS52-0-1-10B	5/11	1515								✓	798304
BBG-SS57-0-1-10B	5/12	1205								✓	798~~304~~305
BBG-SS18-0-1-10B	5/12	1505								✓	798~~305~~306
BBG-SB18-12-13-10B		1520								✓	798~~306~~307
BBG-SS60-0-1-10B		1555								✓	798~~307~~308
BBG-SS59-0-1-10B		1640								✓	798~~308~~309
BBG-SB59-9-10-10B	↓	1655	↓	↓	↓			↓		✓	798~~309~~310

e-mail results to: cdover@compuchemlabs.com

Remarks / Comments (see Notes 2 & 3)

Folder #: 78995
Company: COMPUCHEM
Project: CTO-094
Logged By: JLS PM: PM

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Clients Special Instructions:

Temperature _____ °C

Lab: Received in good condition? Y or N Describe any problems:

#1 Relenquished by:(sig) Jennifer Doe	Date: 5.14.10	#2 Relinquished by:(sig)	Date:	Relinquished by:(sig)	Date:
Company Name: Compuchem	Time: 1720	Company Name:	Time:	Company Name:	Time:
#1 Received by:(sig)	Date:	#2 Received by:(sig)	Date:	#2 Received by:(sig)	Date: 5/17/10
Company Name:	Time:	Company Name:	Time:	Company Name: CT LABS	Time: 1025

Note (1) If "N" lab should batch samples to await remainder of project - maximizing batch size and minimizing QC ratio; if "Y" lab should begin processing batches now.
Note (2) Samples should be stored 60 days after date report mailed at no extra charge.
Note (3) All lab copies of data should be retained for a minimum of 3 years.
Note (4) Please call point-of-contact to verify receipt of samples.

Revision 0 2-10-99

78995

SDG 2 Pg 2of2

S 13541

SUBCONTRACT CHAIN-OF-CUSTODY RECORD

COMPUCHEM
a division of Liberty Analytical Corp.

501 Madison Avenue
Cary, NC 27513
1-800-833-5097

Project Name: CTO-094	Samples shipped to: CT LABS	CompuChem point-of-contact: (4)
TAT: 7 day TAT (calendar)	Contact: Pat Letterer	Phone: (919) 379-4100 X______
	Address:	Fax: (919) 379-______
Report style: level IV	Phone: ( )	Sampling complete? Y or N (see Note 1)
Disk requirement: SNEDD	Project Locale (state)	Project-specific (PS) or Batch (B) QC? ______

BOX #1 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil / Sediment / Sludge 6. Trip Blank 7. Oil 8. Waste 9. Other ______

BOX #2 A. HCl + Ice B. HNO_3 + Ice C. NaOH + Ice D. H_2SO_4 + Ice E. Unpreserved F. Ice Only G. Other ______ H. $NaHSO_4$ + Ice I. ZnAc+NaOH + Ice J. Methanol

BOX #3 F- Filtered U- Unfiltered

BOX #4 H- High M- Medium L- Low

BOX #5 C- CLP S - SW-846 W- CWA 600-series O- Other ______ T- TCLP

Sample ID	Date / Year 2010	Time	Box #1 Matrix	Box #2 Preservative	Box #3 Filtered / Unfiltered	Box #4 Expected Conc.	Box #5 Method	# of Bottles	Use for Lab QC (MS or DUP)	PARAMETERS: grain size sieve only ASTM 422				CCN	Remarks / Comments (see Notes 2 & 3)
BBG-SS25-0-1-10B	5/13	1105	5	E	U			1		✓				798~~310~~311	Installation: CAMP_LEJEUNE MCB
BBG-SB25-3-4-10B		1110								✓				798~~311~~312	
BBG-SS85-0-1-10B		0740								✓				798~~312~~313	Contract: N6247008D1000
BBG-SB85-1.5-2.5-10B		0745								✓				798~~313~~314	
BBG-SS89-0-1-10B		0825								✓				798~~314~~315	
BBG-SB89-6.5-7.5-10B		0845								✓				798~~315~~316	
BBG-SS78-0-1-10B		0930								✓				798~~316~~317	
BBG-SB78-3.5-4.5-10B		1040								✓				798~~317~~318	
BBG-SS77-0-1-10B		1205								✓				798319	
BBG-SB77-~~2.5-3.5~~-3.5-4.5-10B		1210								✓				798320	

Clients Special Instructions: 5/14/10

Temperature ______ °C

Lab: Received in good condition? Y or N Describe any problems:

#1 Relenquished by:(sig) Jennifer Dae Date: 5-14-10	#2 Relinquished by:(sig) Date:	Relinquished by:(sig)	Date:
Company Name: CompuChem Time: 1720	Company Name: Time:	Company Name:	Time:
#1 Received by:(sig) Date:	#2 Received by:(sig) Date:	#2 Received by:(sig) [signature]	Date: 5/17/10
Company Name: Time:	Company Name: Time:	Company Name: CT LABS	Time: 1025

Note (1) If "N" lab should batch samples to await remainder of project - maximizing batch size and minimizing QC ratio; if "Y" lab should begin processing batches now.
Note (2) Samples should be stored 60 days after date report mailed at no extra charge.
Note (3) All lab copies of data should be retained for a minimum of 3 years.
Note (4) Please call point-of-contact to verify receipt of samples.

Revision 0 2-10-99

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Sample Condition Report

Folder #: 78995
Client: COMPUCHEM

Print Date / Time: 05/17/2010 10:27
Received Date / Time / By: 05/15/7201 1200 LAW

Project Name: CTO-094
Project #:

Log-In Date / Time / By: 05/17/2010 1025 JLS
PM: PML

Coolers: 2 OF THEIRS
Custody Seals Present : **Y**

Temperature: AMBIENT C On Ice: **N**
COC Present:? **Y** Complete? **Y**

Seal Intact? **Y**
Ship Method: UPS
Adequate Packaging: **Y**

Numbers: DATED AND SIGNED
Tracking Number: 1ZA1R1114447133351,1ZA1R11144475689
Temp Blank Enclosed?

Notes: SAMPLES REC'D IN GOOD CONDITION. NO ICE PRESENT, NO TEMP BLANK.
COMPUCHEM CUSTODY SEALS 1 ON EACH COOLER. BOTH DATED 5-14-10 AND SSIGNED BY J DOVER

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
798301 BBG-SB11-11-12-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798302 BBG-SB48-7-8-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798303 BBG-SS48-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798304 BBG-SS52-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798305 BBG-SS57-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798306 BBG-SS18-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
798307 BBG-SB18-12-13-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798308 BBG-SS60-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798309 BBG-SS59-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798310 BBG-SB59-9-10-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798311 BBG-SS25-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798312 BBG-SB25-3-4-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798313 BBG-SS85-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798314 BBG-SB85-1.5-2.5-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798315 BBG-SS89-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
798316 BBG-SB89-6.5-7.5-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
798317 BBG-SS780-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
798318 BBG-SB78-3.5-4.5-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
798319 BBG-SS77-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
798320 BBG-SB77-3.5-4.5-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Condition Code	*Condition Description*
1	Sample Received OK

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ANALYTICAL REPORT

This report at a minimum contains the following information:

- Analytical Report of Test Results
- Description of QC Qualifiers
- Chain of Custody (copy)
- Sample Condition Report
- Quality Control Summary
- Case Narrative (if applicable)
- Correspondence with Client (if applicable)

For analyses that require NELAP accreditation, all analytes, by matrix and method, are accredited following current NELAP standards unless specifically noted in this document.

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ANALYTICAL REPORT

COMPUCHEM
CATHY DOVER
501 MADISON AVENUE
CARY, NC 27513

Project Name: CTO-094
Contract #: 2186
Project #:
Folder #: 78996
Purchase Order #:

Arrival Temperature: See COC
Report Date: 5/24/2010
Date Received: 5/15/2010
Reprint Date: 5/24/2010

CT LAB#: 798326 Sample Description: BBG-SS08-0-1-10B Sampled: 5/13/2010 1240

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	74.2	%Passing	N/A	N/A	N/A	1			05/21/2010 11:05	BMS	ASTM C136-84A
#100 Sieve	33.8	%Passing	N/A	N/A	N/A	1			05/21/2010 11:05	BMS	ASTM C136-84A
#20 Sieve	59.6	%Passing	N/A	N/A	N/A	1			05/21/2010 11:05	BMS	ASTM C136-84A
#200 Sieve	15.8	%Passing	N/A	N/A	N/A	1			05/21/2010 11:05	BMS	ASTM C136-84A
#230 Sieve	10.4	%Passing	N/A	N/A	N/A	1			05/21/2010 11:05	BMS	ASTM C136-84A
#4 Sieve	97.9	%Passing	N/A	N/A	N/A	1			05/21/2010 11:05	BMS	ASTM C136-84A
#40 Sieve	52.2	%Passing	N/A	N/A	N/A	1			05/21/2010 11:05	BMS	ASTM C136-84A
#60 Sieve	46.5	%Passing	N/A	N/A	N/A	1			05/21/2010 11:05	BMS	ASTM C136-84A
#80 Sieve	38.0	%Passing	N/A	N/A	N/A	1			05/21/2010 11:05	BMS	ASTM C136-84A

CT LAB#: 798327 Sample Description: BBG-SB08-6-7-10B Sampled: 5/13/2010 1300

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	73.2	%Passing	N/A	N/A	N/A	1			05/21/2010 11:16	BMS	ASTM C136-84A
#100 Sieve	39.5	%Passing	N/A	N/A	N/A	1			05/21/2010 11:16	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798327 Sample Description: BBG-SB08-6-7-10B Sampled: 5/13/2010 1300

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
#20 Sieve	56.1	%Passing	N/A	N/A	N/A	1			05/21/2010 11:16	BMS	ASTM C136-84A
#200 Sieve	22.5	%Passing	N/A	N/A	N/A	1			05/21/2010 11:16	BMS	ASTM C136-84A
#230 Sieve	14.5	%Passing	N/A	N/A	N/A	1			05/21/2010 11:16	BMS	ASTM C136-84A
#4 Sieve	98.5	%Passing	N/A	N/A	N/A	1			05/21/2010 11:16	BMS	ASTM C136-84A
#40 Sieve	48.2	%Passing	N/A	N/A	N/A	1			05/21/2010 11:16	BMS	ASTM C136-84A
#60 Sieve	43.9	%Passing	N/A	N/A	N/A	1			05/21/2010 11:16	BMS	ASTM C136-84A
#80 Sieve	40.9	%Passing	N/A	N/A	N/A	1			05/21/2010 11:16	BMS	ASTM C136-84A

CT LAB#: 798328 Sample Description: BBG-SS79-0-1-10B Sampled: 5/13/2010 1510

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	98.7	%Passing	N/A	N/A	N/A	1			05/21/2010 12:17	BMS	ASTM C136-84A
#100 Sieve	47.3	%Passing	N/A	N/A	N/A	1			05/21/2010 12:17	BMS	ASTM C136-84A
#20 Sieve	97.1	%Passing	N/A	N/A	N/A	1			05/21/2010 12:17	BMS	ASTM C136-84A
#200 Sieve	5.6	%Passing	N/A	N/A	N/A	1			05/21/2010 12:17	BMS	ASTM C136-84A
#230 Sieve	4.0	%Passing	N/A	N/A	N/A	1			05/21/2010 12:17	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/21/2010 12:17	BMS	ASTM C136-84A
#40 Sieve	96.2	%Passing	N/A	N/A	N/A	1			05/21/2010 12:17	BMS	ASTM C136-84A
#60 Sieve	94.6	%Passing	N/A	N/A	N/A	1			05/21/2010 12:17	BMS	ASTM C136-84A
#80 Sieve	72.3	%Passing	N/A	N/A	N/A	1			05/21/2010 12:17	BMS	ASTM C136-84A

CT LAB#: 798329 Sample Description: BBG-SB79-11-12-10B Sampled: 5/13/2010 1530

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	89.1	%Passing	N/A	N/A	N/A	1			05/21/2010 12:27	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798329 Sample Description: BBG-SB79-11-12-10B Sampled: 5/13/2010 1530

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
#100 Sieve	39.7	%Passing	N/A	N/A	N/A	1			05/21/2010 12:27	BMS	ASTM C136-84A
#20 Sieve	77.1	%Passing	N/A	N/A	N/A	1			05/21/2010 12:27	BMS	ASTM C136-84A
#200 Sieve	11.8	%Passing	N/A	N/A	N/A	1			05/21/2010 12:27	BMS	ASTM C136-84A
#230 Sieve	7.5	%Passing	N/A	N/A	N/A	1			05/21/2010 12:27	BMS	ASTM C136-84A
#4 Sieve	99.9	%Passing	N/A	N/A	N/A	1			05/21/2010 12:27	BMS	ASTM C136-84A
#40 Sieve	71.7	%Passing	N/A	N/A	N/A	1			05/21/2010 12:27	BMS	ASTM C136-84A
#60 Sieve	67.6	%Passing	N/A	N/A	N/A	1			05/21/2010 12:27	BMS	ASTM C136-84A
#80 Sieve	52.1	%Passing	N/A	N/A	N/A	1			05/21/2010 12:27	BMS	ASTM C136-84A

CT LAB#: 798330 Sample Description: BBG-SS83-0-1-10B Sampled: 5/13/2010 1555

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	97.2	%Passing	N/A	N/A	N/A	1			05/21/2010 12:38	BMS	ASTM C136-84A
#100 Sieve	28.6	%Passing	N/A	N/A	N/A	1			05/21/2010 12:38	BMS	ASTM C136-84A
#20 Sieve	94.5	%Passing	N/A	N/A	N/A	1			05/21/2010 12:38	BMS	ASTM C136-84A
#200 Sieve	11.7	%Passing	N/A	N/A	N/A	1			05/21/2010 12:38	BMS	ASTM C136-84A
#230 Sieve	9.3	%Passing	N/A	N/A	N/A	1			05/21/2010 12:38	BMS	ASTM C136-84A
#4 Sieve	99.8	%Passing	N/A	N/A	N/A	1			05/21/2010 12:38	BMS	ASTM C136-84A
#40 Sieve	91.5	%Passing	N/A	N/A	N/A	1			05/21/2010 12:38	BMS	ASTM C136-84A
#60 Sieve	80.9	%Passing	N/A	N/A	N/A	1			05/21/2010 12:38	BMS	ASTM C136-84A
#80 Sieve	41.7	%Passing	N/A	N/A	N/A	1			05/21/2010 12:38	BMS	ASTM C136-84A

CT LAB#: 798331 Sample Description: BBG-SB83-6.5-7.5-10B Sampled: 5/13/2010 1605

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798331 Sample Description: BBG-SB83-6.5-7.5-10B Sampled: 5/13/2010 1605

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
#10 Sieve	95.7	%Passing	N/A	N/A	N/A	1			05/21/2010 12:48	BMS	ASTM C136-84A
#100 Sieve	38.8	%Passing	N/A	N/A	N/A	1			05/21/2010 12:48	BMS	ASTM C136-84A
#20 Sieve	87.3	%Passing	N/A	N/A	N/A	1			05/21/2010 12:48	BMS	ASTM C136-84A
#200 Sieve	3.2	%Passing	N/A	N/A	N/A	1			05/21/2010 12:48	BMS	ASTM C136-84A
#230 Sieve	2.4	%Passing	N/A	N/A	N/A	1			05/21/2010 12:48	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/21/2010 12:48	BMS	ASTM C136-84A
#40 Sieve	82.9	%Passing	N/A	N/A	N/A	1			05/21/2010 12:48	BMS	ASTM C136-84A
#60 Sieve	79.2	%Passing	N/A	N/A	N/A	1			05/21/2010 12:48	BMS	ASTM C136-84A
#80 Sieve	54.6	%Passing	N/A	N/A	N/A	1			05/21/2010 12:48	BMS	ASTM C136-84A

CT LAB#: 798332 Sample Description: BBG-SS62-0-1-10B Sampled: 5/13/2010 1640

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	71.7	%Passing	N/A	N/A	N/A	1			05/21/2010 12:59	BMS	ASTM C136-84A
#100 Sieve	5.8	%Passing	N/A	N/A	N/A	1			05/21/2010 12:59	BMS	ASTM C136-84A
#20 Sieve	48.2	%Passing	N/A	N/A	N/A	1			05/21/2010 12:59	BMS	ASTM C136-84A
#200 Sieve	2.2	%Passing	N/A	N/A	N/A	1			05/21/2010 12:59	BMS	ASTM C136-84A
#230 Sieve	2.0	%Passing	N/A	N/A	N/A	1			05/21/2010 12:59	BMS	ASTM C136-84A
#4 Sieve	92.9	%Passing	N/A	N/A	N/A	1			05/21/2010 12:59	BMS	ASTM C136-84A
#40 Sieve	30.8	%Passing	N/A	N/A	N/A	1			05/21/2010 12:59	BMS	ASTM C136-84A
#60 Sieve	16.7	%Passing	N/A	N/A	N/A	1			05/21/2010 12:59	BMS	ASTM C136-84A
#80 Sieve	8.3	%Passing	N/A	N/A	N/A	1			05/21/2010 12:59	BMS	ASTM C136-84A

CT LAB#: 798333 Sample Description: BBG-SS05-0-1-10B Sampled: 5/14/2010 0800

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798333 Sample Description: BBG-SS05-0-1-10B Sampled: 5/14/2010 0800

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	92.8	%Passing	N/A	N/A	N/A	1			05/21/2010 13:09	BMS	ASTM C136-84A
#100 Sieve	28.0	%Passing	N/A	N/A	N/A	1			05/21/2010 13:09	BMS	ASTM C136-84A
#20 Sieve	88.4	%Passing	N/A	N/A	N/A	1			05/21/2010 13:09	BMS	ASTM C136-84A
#200 Sieve	13.2	%Passing	N/A	N/A	N/A	1			05/21/2010 13:09	BMS	ASTM C136-84A
#230 Sieve	11.2	%Passing	N/A	N/A	N/A	1			05/21/2010 13:09	BMS	ASTM C136-84A
#4 Sieve	95.5	%Passing	N/A	N/A	N/A	1			05/21/2010 13:09	BMS	ASTM C136-84A
#40 Sieve	84.9	%Passing	N/A	N/A	N/A	1			05/21/2010 13:09	BMS	ASTM C136-84A
#60 Sieve	74.0	%Passing	N/A	N/A	N/A	1			05/21/2010 13:09	BMS	ASTM C136-84A
#80 Sieve	41.8	%Passing	N/A	N/A	N/A	1			05/21/2010 13:09	BMS	ASTM C136-84A

CT LAB#: 798334 Sample Description: BBG-SB05-7-8-10B Sampled: 5/14/2010 0810

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	91.6	%Passing	N/A	N/A	N/A	1			05/21/2010 13:23	BMS	ASTM C136-84A
#100 Sieve	20.9	%Passing	N/A	N/A	N/A	1			05/21/2010 13:23	BMS	ASTM C136-84A
#20 Sieve	56.8	%Passing	N/A	N/A	N/A	1			05/21/2010 13:23	BMS	ASTM C136-84A
#200 Sieve	14.4	%Passing	N/A	N/A	N/A	1			05/21/2010 13:23	BMS	ASTM C136-84A
#230 Sieve	9.6	%Passing	N/A	N/A	N/A	1			05/21/2010 13:23	BMS	ASTM C136-84A
#4 Sieve	99.2	%Passing	N/A	N/A	N/A	1			05/21/2010 13:23	BMS	ASTM C136-84A
#40 Sieve	38.2	%Passing	N/A	N/A	N/A	1			05/21/2010 13:23	BMS	ASTM C136-84A
#60 Sieve	28.3	%Passing	N/A	N/A	N/A	1			05/21/2010 13:23	BMS	ASTM C136-84A
#80 Sieve	23.0	%Passing	N/A	N/A	N/A	1			05/21/2010 13:23	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798335 Sample Description: BBG-SS74-0-1-10B Sampled: 5/14/2010 1015

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	90.2	%Passing	N/A	N/A	N/A	1			05/21/2010 13:33	BMS	ASTM C136-84A
#100 Sieve	43.0	%Passing	N/A	N/A	N/A	1			05/21/2010 13:33	BMS	ASTM C136-84A
#20 Sieve	84.3	%Passing	N/A	N/A	N/A	1			05/21/2010 13:33	BMS	ASTM C136-84A
#200 Sieve	14.2	%Passing	N/A	N/A	N/A	1			05/21/2010 13:33	BMS	ASTM C136-84A
#230 Sieve	11.5	%Passing	N/A	N/A	N/A	1			05/21/2010 13:33	BMS	ASTM C136-84A
#4 Sieve	99.4	%Passing	N/A	N/A	N/A	1			05/21/2010 13:33	BMS	ASTM C136-84A
#40 Sieve	81.2	%Passing	N/A	N/A	N/A	1			05/21/2010 13:33	BMS	ASTM C136-84A
#60 Sieve	75.8	%Passing	N/A	N/A	N/A	1			05/21/2010 13:33	BMS	ASTM C136-84A
#80 Sieve	57.0	%Passing	N/A	N/A	N/A	1			05/21/2010 13:33	BMS	ASTM C136-84A

CT LAB#: 798336 Sample Description: BBG-SS86-0-1-10B Sampled: 5/14/2010 1105

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	83.9	%Passing	N/A	N/A	N/A	1			05/21/2010 13:44	BMS	ASTM C136-84A
#100 Sieve	25.2	%Passing	N/A	N/A	N/A	1			05/21/2010 13:44	BMS	ASTM C136-84A
#20 Sieve	72.8	%Passing	N/A	N/A	N/A	1			05/21/2010 13:44	BMS	ASTM C136-84A
#200 Sieve	12.0	%Passing	N/A	N/A	N/A	1			05/21/2010 13:44	BMS	ASTM C136-84A
#230 Sieve	9.3	%Passing	N/A	N/A	N/A	1			05/21/2010 13:44	BMS	ASTM C136-84A
#4 Sieve	99.1	%Passing	N/A	N/A	N/A	1			05/21/2010 13:44	BMS	ASTM C136-84A
#40 Sieve	66.4	%Passing	N/A	N/A	N/A	1			05/21/2010 13:44	BMS	ASTM C136-84A
#60 Sieve	55.3	%Passing	N/A	N/A	N/A	1			05/21/2010 13:44	BMS	ASTM C136-84A
#80 Sieve	32.8	%Passing	N/A	N/A	N/A	1			05/21/2010 13:44	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798337 Sample Description: BBG-SB86-3-4-10B Sampled: 5/14/2010 1115

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	87.3	%Passing	N/A	N/A	N/A	1			05/21/2010 13:55	BMS	ASTM C136-84A
#100 Sieve	25.6	%Passing	N/A	N/A	N/A	1			05/21/2010 13:55	BMS	ASTM C136-84A
#20 Sieve	74.5	%Passing	N/A	N/A	N/A	1			05/21/2010 13:55	BMS	ASTM C136-84A
#200 Sieve	10.8	%Passing	N/A	N/A	N/A	1			05/21/2010 13:55	BMS	ASTM C136-84A
#230 Sieve	7.9	%Passing	N/A	N/A	N/A	1			05/21/2010 13:55	BMS	ASTM C136-84A
#4 Sieve	99.8	%Passing	N/A	N/A	N/A	1			05/21/2010 13:55	BMS	ASTM C136-84A
#40 Sieve	68.6	%Passing	N/A	N/A	N/A	1			05/21/2010 13:55	BMS	ASTM C136-84A
#60 Sieve	56.8	%Passing	N/A	N/A	N/A	1			05/21/2010 13:55	BMS	ASTM C136-84A
#80 Sieve	33.6	%Passing	N/A	N/A	N/A	1			05/21/2010 13:55	BMS	ASTM C136-84A

CT LAB#: 798338 Sample Description: BBG-SS73-0-1-10B Sampled: 5/14/2010 0825

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	94.1	%Passing	N/A	N/A	N/A	1			05/21/2010 14:05	BMS	ASTM C136-84A
#100 Sieve	37.4	%Passing	N/A	N/A	N/A	1			05/21/2010 14:05	BMS	ASTM C136-84A
#20 Sieve	86.4	%Passing	N/A	N/A	N/A	1			05/21/2010 14:05	BMS	ASTM C136-84A
#200 Sieve	26.1	%Passing	N/A	N/A	N/A	1			05/21/2010 14:05	BMS	ASTM C136-84A
#230 Sieve	20.9	%Passing	N/A	N/A	N/A	1			05/21/2010 14:05	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/21/2010 14:05	BMS	ASTM C136-84A
#40 Sieve	80.3	%Passing	N/A	N/A	N/A	1			05/21/2010 14:05	BMS	ASTM C136-84A
#60 Sieve	75.5	%Passing	N/A	N/A	N/A	1			05/21/2010 14:05	BMS	ASTM C136-84A
#80 Sieve	47.5	%Passing	N/A	N/A	N/A	1			05/21/2010 14:05	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798339 Sample Description: BBG-SS84-0-1-10B Sampled: 5/14/2010 0855

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	87.0	%Passing	N/A	N/A	N/A	1			05/21/2010 14:15	BMS	ASTM C136-84A
#100 Sieve	35.5	%Passing	N/A	N/A	N/A	1			05/21/2010 14:15	BMS	ASTM C136-84A
#20 Sieve	78.4	%Passing	N/A	N/A	N/A	1			05/21/2010 14:15	BMS	ASTM C136-84A
#200 Sieve	11.6	%Passing	N/A	N/A	N/A	1			05/21/2010 14:15	BMS	ASTM C136-84A
#230 Sieve	9.0	%Passing	N/A	N/A	N/A	1			05/21/2010 14:15	BMS	ASTM C136-84A
#4 Sieve	99.5	%Passing	N/A	N/A	N/A	1			05/21/2010 14:15	BMS	ASTM C136-84A
#40 Sieve	73.5	%Passing	N/A	N/A	N/A	1			05/21/2010 14:15	BMS	ASTM C136-84A
#60 Sieve	64.6	%Passing	N/A	N/A	N/A	1			05/21/2010 14:15	BMS	ASTM C136-84A
#80 Sieve	44.6	%Passing	N/A	N/A	N/A	1			05/21/2010 14:15	BMS	ASTM C136-84A

CT LAB#: 798340 Sample Description: BBG-SS84-6-7-10B Sampled: 5/14/2010 0905

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	95.3	%Passing	N/A	N/A	N/A	1			05/21/2010 14:25	BMS	ASTM C136-84A
#100 Sieve	39.8	%Passing	N/A	N/A	N/A	1			05/21/2010 14:25	BMS	ASTM C136-84A
#20 Sieve	75.2	%Passing	N/A	N/A	N/A	1			05/21/2010 14:25	BMS	ASTM C136-84A
#200 Sieve	19.3	%Passing	N/A	N/A	N/A	1			05/21/2010 14:25	BMS	ASTM C136-84A
#230 Sieve	13.6	%Passing	N/A	N/A	N/A	1			05/21/2010 14:25	BMS	ASTM C136-84A
#4 Sieve	99.9	%Passing	N/A	N/A	N/A	1			05/21/2010 14:25	BMS	ASTM C136-84A
#40 Sieve	64.2	%Passing	N/A	N/A	N/A	1			05/21/2010 14:25	BMS	ASTM C136-84A
#60 Sieve	52.9	%Passing	N/A	N/A	N/A	1			05/21/2010 14:25	BMS	ASTM C136-84A
#80 Sieve	43.9	%Passing	N/A	N/A	N/A	1			05/21/2010 14:25	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798341 Sample Description: BBG-SS02-0-1-10B Sampled: 5/14/2010 0930

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	83.8	%Passing	N/A	N/A	N/A	1			05/21/2010 14:35	BMS	ASTM C136-84A
#100 Sieve	27.5	%Passing	N/A	N/A	N/A	1			05/21/2010 14:35	BMS	ASTM C136-84A
#20 Sieve	69.6	%Passing	N/A	N/A	N/A	1			05/21/2010 14:35	BMS	ASTM C136-84A
#200 Sieve	11.9	%Passing	N/A	N/A	N/A	1			05/21/2010 14:35	BMS	ASTM C136-84A
#230 Sieve	8.9	%Passing	N/A	N/A	N/A	1			05/21/2010 14:35	BMS	ASTM C136-84A
#4 Sieve	98.8	%Passing	N/A	N/A	N/A	1			05/21/2010 14:35	BMS	ASTM C136-84A
#40 Sieve	60.1	%Passing	N/A	N/A	N/A	1			05/21/2010 14:35	BMS	ASTM C136-84A
#60 Sieve	49.5	%Passing	N/A	N/A	N/A	1			05/21/2010 14:35	BMS	ASTM C136-84A
#80 Sieve	33.8	%Passing	N/A	N/A	N/A	1			05/21/2010 14:35	BMS	ASTM C136-84A

CT LAB#: 798342 Sample Description: BBG-SB02-5-6-10B Sampled: 5/14/2010 0940

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	97.4	%Passing	N/A	N/A	N/A	1			05/21/2010 14:46	BMS	ASTM C136-84A
#100 Sieve	42.4	%Passing	N/A	N/A	N/A	1			05/21/2010 14:46	BMS	ASTM C136-84A
#20 Sieve	76.6	%Passing	N/A	N/A	N/A	1			05/21/2010 14:46	BMS	ASTM C136-84A
#200 Sieve	20.3	%Passing	N/A	N/A	N/A	1			05/21/2010 14:46	BMS	ASTM C136-84A
#230 Sieve	13.1	%Passing	N/A	N/A	N/A	1			05/21/2010 14:46	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/21/2010 14:46	BMS	ASTM C136-84A
#40 Sieve	63.9	%Passing	N/A	N/A	N/A	1			05/21/2010 14:46	BMS	ASTM C136-84A
#60 Sieve	58.0	%Passing	N/A	N/A	N/A	1			05/21/2010 14:46	BMS	ASTM C136-84A
#80 Sieve	46.9	%Passing	N/A	N/A	N/A	1			05/21/2010 14:46	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798343 Sample Description: BBG-SS54-0-1-10B Sampled: 5/11/2001 0840

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	95.0	%Passing	N/A	N/A	N/A	1			05/22/2010 10:00	BMS	ASTM C136-84A
#100 Sieve	15.9	%Passing	N/A	N/A	N/A	1			05/22/2010 10:00	BMS	ASTM C136-84A
#20 Sieve	88.0	%Passing	N/A	N/A	N/A	1			05/22/2010 10:00	BMS	ASTM C136-84A
#200 Sieve	6.0	%Passing	N/A	N/A	N/A	1			05/22/2010 10:00	BMS	ASTM C136-84A
#230 Sieve	4.4	%Passing	N/A	N/A	N/A	1			05/22/2010 10:00	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	N/A	N/A	N/A	1			05/22/2010 10:00	BMS	ASTM C136-84A
#40 Sieve	78.1	%Passing	N/A	N/A	N/A	1			05/22/2010 10:00	BMS	ASTM C136-84A
#60 Sieve	49.7	%Passing	N/A	N/A	N/A	1			05/22/2010 10:00	BMS	ASTM C136-84A
#80 Sieve	21.8	%Passing	N/A	N/A	N/A	1			05/22/2010 10:00	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

Notes: ^ Indicates the laboratory is NELAP accredited for this analyte by the indicated matrix and method.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

This report has been specifically prepared to satisfy project or program requirements. The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Level of uncertainty measurements only provided upon pre-approved request.

Submitted by: PML r
Project Manager
608-356-2760

Current CT Laboratories Certifications

Illinois NELAP ID# 200046

Kansas NELAP ID# E-10368

Kentucky ID# 0023

Pennsylvania NELAP ID# 68-04201

New Jersey NELAP ID# WI001

North Dakota ID# R-171

Wisconsin (WDNR) Chemistry ID# 157066030

Wisconsin (DATCP) Bacteriology ID# 105-289

DoD-ELAP Accreditation Cert # ADE-1453

GA EPD Stipulation

Accreditor:	IL NELAP
Accreditation ID:	200046
Scope:	Hazardous/Solid Waste Non-potable water
Effective:	11/19/2009
Expires:	09/30/2010

78996

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S 13542

SUBCONTRACT CHAIN-OF-CUSTODY RECORD

COMPUCHEM
a division of Liberty Analytical Corp.

501 Madison Avenue
Cary, NC 27513
1-800-833-5097

Project Name: CTO-094	Samples shipped to: CT LABS	CompuChem point-of-contact: (4) CATHY DOVER
TAT: 7 day (calender)	Contact: Pat Letterer	Phone: (919) 379-4100 X 4089
Report style: Level IV	Address:	Fax: (919) 379-4050
Disk requirement: SNEDD	Phone: ( )	Sampling complete? Y or N (see Note 1)
	Project Locale (state) NC	Project-specific (PS) or Batch (B) QC? per method

BOX #1 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil / Sediment / Sludge 6. Trip Blank 7. Oil 8. Waste 9. Other _____

BOX #2 A. HCl + Ice B. HNO_3 + Ice C. NaOH + Ice D. H_2SO_4 + Ice E. Unpreserved F. Ice Only G. Other _____ H. $NaHSO_4$ + Ice I. ZnAc+NaOH + Ice J. Methanol

BOX #3 F- Filtered U- Unfiltered

BOX #4 H- High M- Medium L- Low

BOX #5 C- CLP T- TCLP S - SW-846 W- CWA 600-series O- Other _____

Sample ID	Date / Year 2010	Time	Box #1 Matrix	Box #2 Preservative	Box #3 Filtered / Unfiltered	Box #4 Expected Conc.	Box #5 Method	# of Bottles	Use for Lab QC (MS or DUP)	grain size sieve only ASTM D422	PARAMETERS				CCN
BBG-SS08-0-1-10B	5/13	1240	5	E	U			1		✓					798326
BBG-SB08-6-7-10B		1300								✓					798327
BBG-SS09-0-1-10B		1510								✓					798328
BBG-SB09-11-12-10B		1530								✓					798329
BBG-SS03-0-1-10B		1535								✓					798330
BBG-SB03-6.5-7.5-10B		1605								✓					798331
BBG-SS02-0-1-10B		1640								✓					798332
BBG-SS05-0-1-10B	5/14	0800								✓					798333
BBG-SB05-7-8-10B		0810								✓					798334
BBG-SS04-0-1-10B		1015								✓					798335

Remarks / Comments (see Notes 2 & 3)

Folder #: 78996
Company: COMPUCHEM
Project:
Logged By: JLS PM: PM

Clients Special Instructions: Temperature _____ °C

Lab: Received in good condition? Y or N Describe any problems:

#1 Relenquished by:(sig) Jennifer Dover Date: 5.14.10	#2 Relinquished by:(sig) Date:	Relinquished by:(sig) Date:
Company Name: Compuchem Time: 1725	Company Name: Time:	Company Name: Time:
#1 Received by:(sig) Date:	#2 Received by:(sig) Date:	#2 Received by:(sig) Date: 5/15/10
Company Name: Time:	Company Name: Time:	Company Name: CT LABS Time: 1038

Note (1) If "N" lab should batch samples to await remainder of project - maximizing batch size and minimizing QC ratio; if "Y" lab should begin processing batches now.
Note (2) Samples should be stored 60 days after date report mailed at no extra charge.
Note (3) All lab copies of data should be retained for a minimum of 3 years.
Note (4) Please call point-of-contact to verify receipt of samples.

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S 13543

SUBCONTRACT CHAIN-OF-CUSTODY RECORD

COMPUCHEM
a division of Liberty Analytical Corp.

501 Madison Avenue
Cary, NC 27513
1-800-833-5097

Project Name: CTO-094	Samples shipped to: CT LABS	CompuChem point-of-contact: (4) CATHY DOVER
TAT: 7 calendar days	Contact: Pat Letterer	Phone: (919) 379-4100 X 4089
Report style: Level IV	Address:	Fax: (919) 379-4050
Disk requirement: SNEDD	Phone: ( )	Sampling complete? Y or N (see Note 1)
	Project Locale (state)	Project-specific (PS) or Batch (B) QC? per method

BOX #1
1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil / Sediment / Sludge
6. Trip Blank
7. Oil
8. Waste
9. Other _____

BOX #2
A. HCl + Ice
B. HNO_3 + Ice
C. NaOH + Ice
D. H_2SO_4 + Ice
E. Unpreserved
F. Ice Only
G. Other _____
H. $NaHSO_4$ + Ice
I. ZnAc+NaOH + Ice
J. Methanol

BOX #3
F- Filtered
U- Unfiltered

BOX #4
H- High
M- Medium
L- Low

BOX #5
C- CLP
S - SW-846
W- CWA 600-series
O- Other _____
T- TCLP

Sample ID	Date / Year 2010	Time	Box #1 Matrix	Box #2 Preservative	Box #3 Filtered / Unfiltered	Box #4 Expected Conc.	Box #5 Method	# of Bottles	Use for Lab QC (MS or DUP)	PARAMETERS: grain size graphically ASTM D422	CCN	Remarks / Comments (see Notes 2 & 3)
BBG-SS86-0-1-10B	5/14	0905	5	E	U			1		✓	798336	
BBG-SB86 3-4-10B		1115	5							✓	798337	
BBG-SS73-0-1-10B		0825								✓	798338	
BBG-SS84-0-1-10B		0835								✓	798339	
BBG-SS84-6-7-10B		0905								✓	798340	
BBG-SS02-0-1-10B		0930								✓	798341	
BBG-SB02-5-6-10B		0940								✓	798342	
BBG-SS54-0-1-10B	5/11	0840								✓	798343	

5/14/10

Clients Special Instructions: Temperature _____ °C

Lab: Received in good condition? Y or N **Describe any problems:**

#1 Relenquished by:(sig) Jennifer Dove Date: 5.14.10	#2 Relinquished by:(sig) Date:	Relinquished by:(sig) Date:
Company Name: CompuChem Time: 1725	Company Name: Time:	Company Name: Time:
#1 Received by:(sig) Date:	#2 Received by:(sig) Date:	#2 Received by:(sig) Date: 5/17/10
Company Name: Time:	Company Name: Time:	Company Name: CT Labs Time: 1038

Note (1) If "N" lab should batch samples to await remainder of project - maximizing batch size and minimizing QC ratio; if "Y" lab should begin processing batches now.
Note (2) Samples should be stored 60 days after date report mailed at no extra charge.
Note (3) All lab copies of data should be retained for a minimum of 3 years.
Note (4) Please call point-of-contact to verify receipt of samples.

Revision 0 2-10-99

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Condition Report

Folder #: 78996
Client: COMPUCHEM

Print Date / Time: 05/17/2010 10:38
Received Date / Time / By: 05/15/2010 1200 LAW

Project Name: CTO-094
Project #:

Log-In Date / Time / By: 05/17/2010 1038 JLS
PM: PML

Coolers: 2 OF THEIRS
Custody Seals Present : **Y**

Temperature: AMBIENT C On Ice: **N**
COC Present:? **Y** Complete? **Y**

Seal Intact? **Y**
Ship Method: UPS
Adequate Packaging: **Y**

Numbers: DATED AND SIGNED
Tracking Number: 1ZA1R1114447588945,1ZA1R11144471333
Temp Blank Enclosed?

Notes: SAMPLES REC'D IN GOOD CONDITION. NO TEMP BLANK. NO ICE, COOLER DRY
1 COMPUCHEM CUSTODY SEAL INTACT ON EACH COOLER, BOTH DATED 5-14-10 AND SIGNED BY J DOVER

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
798326 BBG-SS08-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798327 BBG-SB08-6-7-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798328 BBG-SS79-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798329 BBG-SB79-11-12-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798330 BBG-SS83-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798331 BBG-SB83-6.5-7.5-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
798332 BBG-SS62-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798333 BBG-SS05-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798334 BBG-SB05-7-8-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798335 BBG-SS74-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798336 BBG-SS86-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798337 BBG-SB86-3-4-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798338 BBG-SS73-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798339 BBG-SS84-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798340 BBG-SS84-6-7-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
798341 BBG-SS02-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798342 BBG-SB02-5-6-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798343 BBG-SS54-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Condition Code	*Condition Description*
1	Sample Received OK

CT LABORATORIES

delivering more than data from your environmental analyses

ANALYTICAL REPORT

This report at a minimum contains the following information:

- Analytical Report of Test Results
- Description of QC Qualifiers
- Chain of Custody (copy)
- Sample Condition Report
- Quality Control Summary
- Case Narrative (if applicable)
- Correspondence with Client (if applicable)

For analyses that require NELAP accreditation, all analytes, by matrix and method, are accredited following current NELAP standards unless specifically noted in this document.

CT LABORATORIES
delivering more than data from your environmental analyses

1230 Lange Court • Baraboo, WI 53913 • 608-356-2760
www.ctlaboratories.com

ANALYTICAL REPORT

COMPUCHEM
CATHY DOVER
501 MADISON AVENUE
CARY, NC 27513

Project Name: CTO-094
Contract #: 2186
Project #:
Folder #: 78996
Purchase Order #:

Arrival Temperature: See COC
Report Date: 5/24/2010
Date Received: 5/15/2010
Reprint Date: 5/26/2010

CT LAB#: 798326 Sample Description: BBG-SS08-0-1-10B Sampled: 5/13/2010 1240

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	74.2	%Passing				1			05/21/2010 11:05	BMS	ASTM C136-84A
#100 Sieve	33.8	%Passing				1			05/21/2010 11:05	BMS	ASTM C136-84A
#20 Sieve	59.6	%Passing				1			05/21/2010 11:05	BMS	ASTM C136-84A
#200 Sieve	15.8	%Passing				1			05/21/2010 11:05	BMS	ASTM C136-84A
#230 Sieve	10.4	%Passing				1			05/21/2010 11:05	BMS	ASTM C136-84A
#4 Sieve	97.9	%Passing				1			05/21/2010 11:05	BMS	ASTM C136-84A
#40 Sieve	52.2	%Passing				1			05/21/2010 11:05	BMS	ASTM C136-84A
#60 Sieve	46.5	%Passing				1			05/21/2010 11:05	BMS	ASTM C136-84A
#80 Sieve	38.0	%Passing				1			05/21/2010 11:05	BMS	ASTM C136-84A

CT LAB#: 798327 Sample Description: BBG-SB08-6-7-10B Sampled: 5/13/2010 1300

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	73.2	%Passing				1			05/21/2010 11:16	BMS	ASTM C136-84A
#100 Sieve	39.5	%Passing				1			05/21/2010 11:16	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798327 Sample Description: BBG-SB08-6-7-10B Sampled: 5/13/2010 1300

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
#20 Sieve	56.1	%Passing				1			05/21/2010 11:16	BMS	ASTM C136-84A
#200 Sieve	22.5	%Passing				1			05/21/2010 11:16	BMS	ASTM C136-84A
#230 Sieve	14.5	%Passing				1			05/21/2010 11:16	BMS	ASTM C136-84A
#4 Sieve	98.5	%Passing				1			05/21/2010 11:16	BMS	ASTM C136-84A
#40 Sieve	48.2	%Passing				1			05/21/2010 11:16	BMS	ASTM C136-84A
#60 Sieve	43.9	%Passing				1			05/21/2010 11:16	BMS	ASTM C136-84A
#80 Sieve	40.9	%Passing				1			05/21/2010 11:16	BMS	ASTM C136-84A

CT LAB#: 798328 Sample Description: BBG-SS79-0-1-10B Sampled: 5/13/2010 1510

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	98.7	%Passing				1			05/21/2010 12:17	BMS	ASTM C136-84A
#100 Sieve	47.3	%Passing				1			05/21/2010 12:17	BMS	ASTM C136-84A
#20 Sieve	97.1	%Passing				1			05/21/2010 12:17	BMS	ASTM C136-84A
#200 Sieve	5.6	%Passing				1			05/21/2010 12:17	BMS	ASTM C136-84A
#230 Sieve	4.0	%Passing				1			05/21/2010 12:17	BMS	ASTM C136-84A
#4 Sieve	100	%Passing				1			05/21/2010 12:17	BMS	ASTM C136-84A
#40 Sieve	96.2	%Passing				1			05/21/2010 12:17	BMS	ASTM C136-84A
#60 Sieve	94.6	%Passing				1			05/21/2010 12:17	BMS	ASTM C136-84A
#80 Sieve	72.3	%Passing				1			05/21/2010 12:17	BMS	ASTM C136-84A

CT LAB#: 798329 Sample Description: BBG-SB79-11-12-10B Sampled: 5/13/2010 1530

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	89.1	%Passing				1			05/21/2010 12:27	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798329 Sample Description: BBG-SB79-11-12-10B Sampled: 5/13/2010 1530

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
#100 Sieve	39.7	%Passing				1			05/21/2010 12:27	BMS	ASTM C136-84A
#20 Sieve	77.1	%Passing				1			05/21/2010 12:27	BMS	ASTM C136-84A
#200 Sieve	11.8	%Passing				1			05/21/2010 12:27	BMS	ASTM C136-84A
#230 Sieve	7.5	%Passing				1			05/21/2010 12:27	BMS	ASTM C136-84A
#4 Sieve	99.9	%Passing				1			05/21/2010 12:27	BMS	ASTM C136-84A
#40 Sieve	71.7	%Passing				1			05/21/2010 12:27	BMS	ASTM C136-84A
#60 Sieve	67.6	%Passing				1			05/21/2010 12:27	BMS	ASTM C136-84A
#80 Sieve	52.1	%Passing				1			05/21/2010 12:27	BMS	ASTM C136-84A

CT LAB#: 798330 Sample Description: BBG-SS83-0-1-10B Sampled: 5/13/2010 1555

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	97.2	%Passing				1			05/21/2010 12:38	BMS	ASTM C136-84A
#100 Sieve	28.6	%Passing				1			05/21/2010 12:38	BMS	ASTM C136-84A
#20 Sieve	94.5	%Passing				1			05/21/2010 12:38	BMS	ASTM C136-84A
#200 Sieve	11.7	%Passing				1			05/21/2010 12:38	BMS	ASTM C136-84A
#230 Sieve	9.3	%Passing				1			05/21/2010 12:38	BMS	ASTM C136-84A
#4 Sieve	99.8	%Passing				1			05/21/2010 12:38	BMS	ASTM C136-84A
#40 Sieve	91.5	%Passing				1			05/21/2010 12:38	BMS	ASTM C136-84A
#60 Sieve	80.9	%Passing				1			05/21/2010 12:38	BMS	ASTM C136-84A
#80 Sieve	41.7	%Passing				1			05/21/2010 12:38	BMS	ASTM C136-84A

CT LAB#: 798331 Sample Description: BBG-SB83-6.5-7.5-10B Sampled: 5/13/2010 1605

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798331 Sample Description: BBG-SB83-6.5-7.5-10B Sampled: 5/13/2010 1605

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
#10 Sieve	95.7	%Passing				1			05/21/2010 12:48	BMS	ASTM C136-84A
#100 Sieve	38.8	%Passing				1			05/21/2010 12:48	BMS	ASTM C136-84A
#20 Sieve	87.3	%Passing				1			05/21/2010 12:48	BMS	ASTM C136-84A
#200 Sieve	3.2	%Passing				1			05/21/2010 12:48	BMS	ASTM C136-84A
#230 Sieve	2.4	%Passing				1			05/21/2010 12:48	BMS	ASTM C136-84A
#4 Sieve	100	%Passing				1			05/21/2010 12:48	BMS	ASTM C136-84A
#40 Sieve	82.9	%Passing				1			05/21/2010 12:48	BMS	ASTM C136-84A
#60 Sieve	79.2	%Passing				1			05/21/2010 12:48	BMS	ASTM C136-84A
#80 Sieve	54.6	%Passing				1			05/21/2010 12:48	BMS	ASTM C136-84A

CT LAB#: 798332 Sample Description: BBG-SS62-0-1-10B Sampled: 5/13/2010 1640

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	71.7	%Passing				1			05/21/2010 12:59	BMS	ASTM C136-84A
#100 Sieve	5.8	%Passing				1			05/21/2010 12:59	BMS	ASTM C136-84A
#20 Sieve	48.2	%Passing				1			05/21/2010 12:59	BMS	ASTM C136-84A
#200 Sieve	2.2	%Passing				1			05/21/2010 12:59	BMS	ASTM C136-84A
#230 Sieve	2.0	%Passing				1			05/21/2010 12:59	BMS	ASTM C136-84A
#4 Sieve	92.9	%Passing				1			05/21/2010 12:59	BMS	ASTM C136-84A
#40 Sieve	30.8	%Passing				1			05/21/2010 12:59	BMS	ASTM C136-84A
#60 Sieve	16.7	%Passing				1			05/21/2010 12:59	BMS	ASTM C136-84A
#80 Sieve	8.3	%Passing				1			05/21/2010 12:59	BMS	ASTM C136-84A

CT LAB#: 798333 Sample Description: BBG-SS05-0-1-10B Sampled: 5/14/2010 0800

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798333 Sample Description: BBG-SS05-0-1-10B Sampled: 5/14/2010 0800

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	92.8	%Passing				1			05/21/2010 13:09	BMS	ASTM C136-84A
#100 Sieve	28.0	%Passing				1			05/21/2010 13:09	BMS	ASTM C136-84A
#20 Sieve	88.4	%Passing				1			05/21/2010 13:09	BMS	ASTM C136-84A
#200 Sieve	13.2	%Passing				1			05/21/2010 13:09	BMS	ASTM C136-84A
#230 Sieve	11.2	%Passing				1			05/21/2010 13:09	BMS	ASTM C136-84A
#4 Sieve	95.5	%Passing				1			05/21/2010 13:09	BMS	ASTM C136-84A
#40 Sieve	84.9	%Passing				1			05/21/2010 13:09	BMS	ASTM C136-84A
#60 Sieve	74.0	%Passing				1			05/21/2010 13:09	BMS	ASTM C136-84A
#80 Sieve	41.8	%Passing				1			05/21/2010 13:09	BMS	ASTM C136-84A

CT LAB#: 798334 Sample Description: BBG-SB05-7-8-10B Sampled: 5/14/2010 0810

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	91.6	%Passing				1			05/21/2010 13:23	BMS	ASTM C136-84A
#100 Sieve	20.9	%Passing				1			05/21/2010 13:23	BMS	ASTM C136-84A
#20 Sieve	56.8	%Passing				1			05/21/2010 13:23	BMS	ASTM C136-84A
#200 Sieve	14.4	%Passing				1			05/21/2010 13:23	BMS	ASTM C136-84A
#230 Sieve	9.6	%Passing				1			05/21/2010 13:23	BMS	ASTM C136-84A
#4 Sieve	99.2	%Passing				1			05/21/2010 13:23	BMS	ASTM C136-84A
#40 Sieve	38.2	%Passing				1			05/21/2010 13:23	BMS	ASTM C136-84A
#60 Sieve	28.3	%Passing				1			05/21/2010 13:23	BMS	ASTM C136-84A
#80 Sieve	23.0	%Passing				1			05/21/2010 13:23	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798335 Sample Description: BBG-SS74-0-1-10B Sampled: 5/14/2010 1015

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	90.2	%Passing				1			05/21/2010 13:33	BMS	ASTM C136-84A
#100 Sieve	43.0	%Passing				1			05/21/2010 13:33	BMS	ASTM C136-84A
#20 Sieve	84.3	%Passing				1			05/21/2010 13:33	BMS	ASTM C136-84A
#200 Sieve	14.2	%Passing				1			05/21/2010 13:33	BMS	ASTM C136-84A
#230 Sieve	11.5	%Passing				1			05/21/2010 13:33	BMS	ASTM C136-84A
#4 Sieve	99.4	%Passing				1			05/21/2010 13:33	BMS	ASTM C136-84A
#40 Sieve	81.2	%Passing				1			05/21/2010 13:33	BMS	ASTM C136-84A
#60 Sieve	75.8	%Passing				1			05/21/2010 13:33	BMS	ASTM C136-84A
#80 Sieve	57.0	%Passing				1			05/21/2010 13:33	BMS	ASTM C136-84A

CT LAB#: 798336 Sample Description: BBG-SS86-0-1-10B Sampled: 5/14/2010 1105

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	83.9	%Passing				1			05/21/2010 13:44	BMS	ASTM C136-84A
#100 Sieve	25.2	%Passing				1			05/21/2010 13:44	BMS	ASTM C136-84A
#20 Sieve	72.8	%Passing				1			05/21/2010 13:44	BMS	ASTM C136-84A
#200 Sieve	12.0	%Passing				1			05/21/2010 13:44	BMS	ASTM C136-84A
#230 Sieve	9.3	%Passing				1			05/21/2010 13:44	BMS	ASTM C136-84A
#4 Sieve	99.1	%Passing				1			05/21/2010 13:44	BMS	ASTM C136-84A
#40 Sieve	66.4	%Passing				1			05/21/2010 13:44	BMS	ASTM C136-84A
#60 Sieve	55.3	%Passing				1			05/21/2010 13:44	BMS	ASTM C136-84A
#80 Sieve	32.8	%Passing				1			05/21/2010 13:44	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798337 Sample Description: BBG-SB86-3-4-10B Sampled: 5/14/2010 1115

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	87.3	%Passing				1			05/21/2010 13:55	BMS	ASTM C136-84A
#100 Sieve	25.6	%Passing				1			05/21/2010 13:55	BMS	ASTM C136-84A
#20 Sieve	74.5	%Passing				1			05/21/2010 13:55	BMS	ASTM C136-84A
#200 Sieve	10.8	%Passing				1			05/21/2010 13:55	BMS	ASTM C136-84A
#230 Sieve	7.9	%Passing				1			05/21/2010 13:55	BMS	ASTM C136-84A
#4 Sieve	99.8	%Passing				1			05/21/2010 13:55	BMS	ASTM C136-84A
#40 Sieve	68.6	%Passing				1			05/21/2010 13:55	BMS	ASTM C136-84A
#60 Sieve	56.8	%Passing				1			05/21/2010 13:55	BMS	ASTM C136-84A
#80 Sieve	33.6	%Passing				1			05/21/2010 13:55	BMS	ASTM C136-84A

CT LAB#: 798338 Sample Description: BBG-SS73-0-1-10B Sampled: 5/14/2010 0825

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	94.1	%Passing				1			05/21/2010 14:05	BMS	ASTM C136-84A
#100 Sieve	37.4	%Passing				1			05/21/2010 14:05	BMS	ASTM C136-84A
#20 Sieve	86.4	%Passing				1			05/21/2010 14:05	BMS	ASTM C136-84A
#200 Sieve	26.1	%Passing				1			05/21/2010 14:05	BMS	ASTM C136-84A
#230 Sieve	20.9	%Passing				1			05/21/2010 14:05	BMS	ASTM C136-84A
#4 Sieve	100	%Passing				1			05/21/2010 14:05	BMS	ASTM C136-84A
#40 Sieve	80.3	%Passing				1			05/21/2010 14:05	BMS	ASTM C136-84A
#60 Sieve	75.5	%Passing				1			05/21/2010 14:05	BMS	ASTM C136-84A
#80 Sieve	47.5	%Passing				1			05/21/2010 14:05	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798339 Sample Description: BBG-SS84-0-1-10B Sampled: 5/14/2010 0855

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	87.0	%Passing				1			05/21/2010 14:15	BMS	ASTM C136-84A
#100 Sieve	35.5	%Passing				1			05/21/2010 14:15	BMS	ASTM C136-84A
#20 Sieve	78.4	%Passing				1			05/21/2010 14:15	BMS	ASTM C136-84A
#200 Sieve	11.6	%Passing				1			05/21/2010 14:15	BMS	ASTM C136-84A
#230 Sieve	9.0	%Passing				1			05/21/2010 14:15	BMS	ASTM C136-84A
#4 Sieve	99.5	%Passing				1			05/21/2010 14:15	BMS	ASTM C136-84A
#40 Sieve	73.5	%Passing				1			05/21/2010 14:15	BMS	ASTM C136-84A
#60 Sieve	64.6	%Passing				1			05/21/2010 14:15	BMS	ASTM C136-84A
#80 Sieve	44.6	%Passing				1			05/21/2010 14:15	BMS	ASTM C136-84A

CT LAB#: 798340 Sample Description: BBG-SB84-6-7-10B Sampled: 5/14/2010 0905

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	95.3	%Passing				1			05/21/2010 14:25	BMS	ASTM C136-84A
#100 Sieve	39.8	%Passing				1			05/21/2010 14:25	BMS	ASTM C136-84A
#20 Sieve	75.2	%Passing				1			05/21/2010 14:25	BMS	ASTM C136-84A
#200 Sieve	19.3	%Passing				1			05/21/2010 14:25	BMS	ASTM C136-84A
#230 Sieve	13.6	%Passing				1			05/21/2010 14:25	BMS	ASTM C136-84A
#4 Sieve	99.9	%Passing				1			05/21/2010 14:25	BMS	ASTM C136-84A
#40 Sieve	64.2	%Passing				1			05/21/2010 14:25	BMS	ASTM C136-84A
#60 Sieve	52.9	%Passing				1			05/21/2010 14:25	BMS	ASTM C136-84A
#80 Sieve	43.9	%Passing				1			05/21/2010 14:25	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798341 Sample Description: BBG-SS02-0-1-10B Sampled: 5/14/2010 0930

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	83.8	%Passing				1			05/21/2010 14:35	BMS	ASTM C136-84A
#100 Sieve	27.5	%Passing				1			05/21/2010 14:35	BMS	ASTM C136-84A
#20 Sieve	69.6	%Passing				1			05/21/2010 14:35	BMS	ASTM C136-84A
#200 Sieve	11.9	%Passing				1			05/21/2010 14:35	BMS	ASTM C136-84A
#230 Sieve	8.9	%Passing				1			05/21/2010 14:35	BMS	ASTM C136-84A
#4 Sieve	98.8	%Passing				1			05/21/2010 14:35	BMS	ASTM C136-84A
#40 Sieve	60.1	%Passing				1			05/21/2010 14:35	BMS	ASTM C136-84A
#60 Sieve	49.5	%Passing				1			05/21/2010 14:35	BMS	ASTM C136-84A
#80 Sieve	33.8	%Passing				1			05/21/2010 14:35	BMS	ASTM C136-84A

CT LAB#: 798342 Sample Description: BBG-SB02-5-6-10B Sampled: 5/14/2010 0940

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	97.4	%Passing				1			05/21/2010 14:46	BMS	ASTM C136-84A
#100 Sieve	42.4	%Passing				1			05/21/2010 14:46	BMS	ASTM C136-84A
#20 Sieve	76.6	%Passing				1			05/21/2010 14:46	BMS	ASTM C136-84A
#200 Sieve	20.3	%Passing				1			05/21/2010 14:46	BMS	ASTM C136-84A
#230 Sieve	13.1	%Passing				1			05/21/2010 14:46	BMS	ASTM C136-84A
#4 Sieve	100	%Passing				1			05/21/2010 14:46	BMS	ASTM C136-84A
#40 Sieve	63.9	%Passing				1			05/21/2010 14:46	BMS	ASTM C136-84A
#60 Sieve	58.0	%Passing				1			05/21/2010 14:46	BMS	ASTM C136-84A
#80 Sieve	46.9	%Passing				1			05/21/2010 14:46	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 798343 Sample Description: BBG-SS54-0-1-10B Sampled: 5/11/2001 0840

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	95.0	%Passing				1			05/22/2010 10:00	BMS	ASTM C136-84A
#100 Sieve	15.9	%Passing				1			05/22/2010 10:00	BMS	ASTM C136-84A
#20 Sieve	88.0	%Passing				1			05/22/2010 10:00	BMS	ASTM C136-84A
#200 Sieve	6.0	%Passing				1			05/22/2010 10:00	BMS	ASTM C136-84A
#230 Sieve	4.4	%Passing				1			05/22/2010 10:00	BMS	ASTM C136-84A
#4 Sieve	100	%Passing				1			05/22/2010 10:00	BMS	ASTM C136-84A
#40 Sieve	78.1	%Passing				1			05/22/2010 10:00	BMS	ASTM C136-84A
#60 Sieve	49.7	%Passing				1			05/22/2010 10:00	BMS	ASTM C136-84A
#80 Sieve	21.8	%Passing				1			05/22/2010 10:00	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

Notes: ^ Indicates the laboratory is NELAP accredited for this analyte by the indicated matrix and method.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

This report has been specifically prepared to satisfy project or program requirements. The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Level of uncertainty measurements only provided upon pre-approved request.

Submitted by: PML r
Project Manager
608-356-2760

Current CT Laboratories Certifications

Illinois NELAP ID# 200046

Kansas NELAP ID# E-10368

Kentucky ID# 0023

Pennsylvania NELAP ID# 68-04201

New Jersey NELAP ID# WI001

North Dakota ID# R-171

Wisconsin (WDNR) Chemistry ID# 157066030

Wisconsin (DATCP) Bacteriology ID# 105-289

DoD-ELAP Accreditation Cert # ADE-1453

GA EPD Stipulation

Accreditor:	IL NELAP
Accreditation ID:	200046
Scope:	Hazardous/Solid Waste Non-potable water
Effective:	11/19/2009
Expires:	09/30/2010

78996

"SDG 3" pg 1 of 2

S 13542

SUBCONTRACT CHAIN-OF-CUSTODY RECORD

COMPUCHEM
a division of Liberty Analytical Corp.

501 Madison Avenue
Cary, NC 27513
1-800-833-5097

Project Name: CTO-094	Samples shipped to: CT LABS	CompuChem point-of-contact: (4) CATHY DOVER
TAT: 7 day (calender)	Contact: Pat Letterer	Phone: (919) 379-4100 X 4089
Report style: Level IV	Address:	Fax: (919) 379-4050
Disk requirement: SNFDD	Phone: ( )	Sampling complete? Y or N (see Note 1)
	Project Locale (state) NC	Project-specific (PS) or Batch (B) QC? per method

BOX #1 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil / Sediment / Sludge 6. Trip Blank 7. Oil 8. Waste 9. Other _____

BOX #2 A. HCl + Ice B. HNO_3 + Ice C. NaOH + Ice D. H_2SO_4 + Ice E. Unpreserved F. Ice Only G. Other _____ H. $NaHSO_4$ + Ice I. ZnAc+NaOH + Ice J. Methanol

BOX #3 F- Filtered U- Unfiltered

BOX #4 H- High M- Medium L- Low

BOX #5 C- CLP T- TCLP S - SW-846 W- CWA 600-series O- Other _____

Sample ID	Date / Year 2010	Time	Box #1 Matrix	Box #2 Preservative	Box #3 Filtered / Unfiltered	Box #4 Expected Conc.	Box #5 Method	# of Bottles	Use for Lab QC (MS or DUP)	grain size sieve only ASTM D422	PARAMETERS				CCN
BBG-SS08-0-1-10B	5/13	1240	5	E	U			1		✓					798326
BBG-SB08-6-7-10B		1300								✓					798327
BBG-SS09-0-1-10B		1510								✓					798328
BBG-SB09-11-12-10B		1530								✓					798329
BBG-SS03-0-1-10B		1535								✓					798330
BBG-SB03-6.5-7.5-10B		1605								✓					798331
BBG-SS02-0-1-10B		1640								✓					798332
BBG-SS05-0-1-10B	5/14	0800								✓					798333
BBG-SB05-7-8-10B		0810								✓					798334
BBG-SS04-0-1-10B		1015								✓					798335

Revised 78996 Page 3 of 10

Remarks / Comments (see Notes 2 & 3)

Folder #: 78996
Company: COMPUCHEM
Project:
Logged By: JLS PM: PM

Clients Special Instructions: Temperature _____ °C

Lab: Received in good condition? Y or N Describe any problems:

#1 Relenquished by:(sig) Jennifer Dover Date: 5.14.10	#2 Relinquished by:(sig) Date:	Relinquished by:(sig) Date:
Company Name: Compuchem Time: 1725	Company Name: Time:	Company Name: Time:
#1 Received by:(sig) Date:	#2 Received by:(sig) Date:	#2 Received by:(sig) Date: 5/15/10
Company Name: Time:	Company Name: Time:	Company Name: CT LABS Time: 1038

Note (1) If "N" lab should batch samples to await remainder of project - maximizing batch size and minimizing QC ratio; if "Y" lab should begin processing batches now.
Note (2) Samples should be stored 60 days after date report mailed at no extra charge.
Note (3) All lab copies of data should be retained for a minimum of 3 years.
Note (4) Please call point-of-contact to verify receipt of samples.

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78496

S 13543

SUBCONTRACT CHAIN-OF-CUSTODY RECORD

COMPUCHEM
a division of Liberty Analytical Corp.

501 Madison Avenue
Cary, NC 27513
1-800-833-5097

Project Name: CTO-094
TAT: 7 calendar days
Report style: Level IV
Disk requirement: SNEDD

Samples shipped to: CT LABS
Contact: Pat Letterer
Address:
Phone: ( )

CompuChem point-of-contact: (4) CATHY DOVER
Phone: (919) 379-4100 X 4089
Fax: (919) 379-4050
Sampling complete? Y or N (see Note 1)
Project-specific (PS) or Batch (B) QC? per method

BOX #1 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil / Sediment / Sludge 6. Trip Blank 7. Oil 8. Waste 9. Other _____

BOX #2 A. HCl + Ice B. HNO_3 + Ice C. NaOH + Ice D. H_2SO_4 + Ice E. Unpreserved F. Ice Only G. Other _____ H. $NaHSO_4$ + Ice I. ZnAc+NaOH + Ice J. Methanol

BOX #3 F- Filtered U- Unfiltered

BOX #4 H- High M- Medium L- Low

BOX #5 C- CLP S - SW-846 W- CWA 600-series O- Other _____ T- TCLP

Sample ID	Date / Year 2010	Time	Box #1 Matrix	Box #2 Preservative	Box #3 Filtered / Unfiltered	Box #4 Expected Conc.	Box #5 Method	# of Bottles	Use for Lab QC (MS or DUP)	PARAMETERS: grain size sieve only ASTM D422	CCN	Remarks / Comments (see Notes 2 & 3)
BBG-SS86-0-1-10B	5/14	1105	5	E	U			1		✓	798336	
BBG-SB86 3-4-10B		1115	5							✓	798337	
BBG-SS73-0-1-10B		0825								✓	798338	
BBG-SS84-0-1-10B		0835								✓	798339	
BBG-SS84-6-7-10B		0905								✓	798340	
BBG-SS02-0-1-10B		0930								✓	798341	
BBG-SB02-5-6-10B		0940								✓	798342	
BBG-SS54-0-1-10B	5/11	0840								✓	798343	

Jennifer Dove 5/14/10

Clients Special Instructions:

Temperature _____ °C

Lab: Received in good condition? Y or N **Describe any problems:**

#1 Relenquished by:(sig) Jennifer Dove Date: 5.14.10	#2 Relinquished by:(sig) Date:	Relinquished by:(sig) Date:
Company Name: CompuChem Time: 1725	Company Name: Time:	Company Name: Time:
#1 Received by:(sig) Date:	#2 Received by:(sig) Date:	#2 Received by:(sig) Date: 5/17/10
Company Name: Time:	Company Name: Time:	Company Name: CT Labs Time: 1038

Note (1) If "N" lab should batch samples to await remainder of project - maximizing batch size and minimizing QC ratio; if "Y" lab should begin processing batches now.
Note (2) Samples should be stored 60 days after date report mailed at no extra charge.
Note (3) All lab copies of data should be retained for a minimum of 3 years.
Note (4) Please call point-of-contact to verify receipt of samples.

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Revised 7/8/09 Page 1 of 2

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Condition Report

Folder #: 78996
Client: COMPUCHEM

Print Date / Time: 05/17/2010 10:38
Received Date / Time / By: 05/15/2010 1200 LAW

Project Name: CTO-094
Project #:

Log-In Date / Time / By: 05/17/2010 1038 JLS
PM: PML

Coolers: 2 OF THEIRS
Custody Seals Present : **Y**

Temperature: AMBIENT C On Ice: **N**
COC Present:? **Y** Complete? **Y**

Seal Intact? **Y**
Ship Method: UPS
Adequate Packaging: **Y**

Numbers: DATED AND SIGNED
Tracking Number: 1ZA1R1114447588945,1ZA1R11144471333
Temp Blank Enclosed?

Notes: SAMPLES REC'D IN GOOD CONDITION. NO TEMP BLANK. NO ICE, COOLER DRY
1 COMPUCHEM CUSTODY SEAL INTACT ON EACH COOLER, BOTH DATED 5-14-10 AND SIGNED BY J DOVER

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
798326 BBG-SS08-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798327 BBG-SB08-6-7-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798328 BBG-SS79-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798329 BBG-SB79-11-12-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798330 BBG-SS83-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798331 BBG-SB83-6.5-7.5-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
798332 BBG-SS62-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798333 BBG-SS05-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798334 BBG-SB05-7-8-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798335 BBG-SS74-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798336 BBG-SS86-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798337 BBG-SB86-3-4-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798338 BBG-SS73-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798339 BBG-SS84-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798340 BBG-SS84-6-7-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
798341 BBG-SS02-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798342 BBG-SB02-5-6-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
798343 BBG-SS54-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Condition Code	*Condition Description*
1	Sample Received OK

Letterer, Pat

From: Cathy Dover [cdover@compuchemlabs.com]
Sent: Wednesday, May 26, 2010 9:37 AM
To: Letterer, Pat
Subject: FW: CTO-94, sample ID updates

Hi Pat,

Can you please change the sample IDs for the two mentioned in the e-mail below. Sorry, that the sample IDs were not correct!

Can you e-mail the revised pdf report after the change?

Oh! The PM left a message concerning the raw data for the grain size. Will the raw data be e-mailed with the full data package?

Thanks,

Cathy

Cathy Dover
Supervisor of Project Management
Compuchem
501 Madison Ave.
Cary, N.C. 27513
(919)379-4089 office
(919)379-4050 fax

From: Rebekha.Shaw@CH2M.com [mailto:Rebekha.Shaw@CH2M.com]
Sent: Tuesday, May 25, 2010 9:25 AM
To: Cathy Dover
Subject: CTO-94, sample ID updates

Hi Cathy,

The task manager for CTO-94 noticed a couple discrepancies between our COCs and the COCs that were sent to CT Labs:

- For sample BBG-SS84-6-7-10B collected 05/14/10 @ 0905, our COC (#24777) to CompuChem is correct, calling it SB84-6-7. The COC from CompuChem to CT labs for grain size is incorrect (COC #13543) calling it SS84.

- For sample BBG-SS56-3-4-10B collected on 05/11/10 @ 1130, This is a subsurface sample and should be called BBG-SB56-3-4-10B

Can you and CT Labs update these IDs in your system?

Also, is the excel and pdf files that you had sent the draft deliverables to us? Basically, the task manager wants to know if grain size distribution graphs will also accompany this?

Thanks,

Rebekha Shaw

Environmental Information Specialist
5700 Cleveland St, Ste 101
Virginia Beach, VA 23462
Direct:757-671-6279
Fax:757-497-6885
rebekha.shaw@ch2m.com

CT LABORATORIES

delivering more than data from your environmental analyses

ANALYTICAL RESULTS FOR:

CATHY DOVER
COMPUCHEM
501 MADISON AVE
CARY, NC 27513

PROJECT SITE: CAMP LEJEUNE MCB

DOD CONTRACT #: N62470-08-D-1000

TASK ORDER #: 0094

SDG: 79094

PREPARED: May 26, 2010

TOTAL # OF PAGES IN THIS DOCUMENT: 39

The data contained in the following report have been reviewed by the appropriate CTLaboratories' staff members. In addition, CTLaboratories certifies that to the best of our knowledge that the analyses reported herein are true, complete and correct within the limits of the methods employed and that they follow the applicable requirements as specified by the project plan, state-specific, NELAC or DOD QSM requirements. The estimated uncertainty of measurement is only available upon request. The reported results relate only to the tested samples. This report shall not be reproduced, except in full, without written approval of CTLaboratories.

APPROVED BY: _____
LABORATORY DIRECTOR

APPROVED BY: _____
QA OFFICER

APPROVED BY: Patrick Letterer
PROJECT MANAGER

Certifications: IL (NELAP 200046), KS (NELAP E-10368), KY (0023), PA (NELAP 68-04201), NJ (NELAP WI001), ND (R-171), WI (157066030), GA EDP Stipulation (Accreditor: ILNELAP, ACC#: 200465, Scope: Haz/solid water/Non-potable water, Effective : 11/19/2009, Expires: 09/30/2010)

Case Narrative

Client: CompuChem
Project: CTO-0094, Camp Lejeune MCB
Sample Receipt Date: 05/21/2010
SDG #: 79094

Fourteen soil samples were received for Grain Size analysis. The assigned sample ID number, date sampled, and date received are indicated in the attached Project Summary. The samples were received intact and at a temperature within method specified acceptance limits. A breakdown of sample receipt information can be found on the Sample Condition Report located in the last section of the data package and any exceptions are noted below.

Sample Analysis and Quality Control

Grain Size Analysis:

The samples were analyzed using ASTM Method C136-84A. All samples were analyzed within the holding time. The following summaries of quality control procedures are included:

Analysis Run Log
Prep Log

All analysis results for this SDG met the method/project specified quality control criteria.

CT LABORATORIES

delivering more than data from your environmental analyses

INORGANIC
CLP FORMS
DOCUMENTS

INORGANICS
RAW DATA
DOCUMENTS

GRAIN SIZE SIEVE ANALYSIS

Run # 67003A

Instructions: 1) fill in data on test template page, 2) save Export page in CSV file-format to LACHAT8 folder

ANALYSIS DATE/TIME:	5/24/2010	9:32	**INITIAL WEIGHT(g):**	184.97
ANALYST:	AMA			
SAMPLE ID#:	800440			
	Weight of Soil in Pan (g)			% Passing
WEIGHT RETAINED ON #4	6.23		%PASSING#4	96.6
WEIGHT RETAINED ON #10	9.76		%PASSING#10	91.4
WEIGHT RETAINED ON #20	11.18		%PASSING#20	85.3
WEIGHT RETAINED ON #40	16.78		%PASSING#40	76.2
WEIGHT RETAINED ON #60	25.94		%PASSING#60	62.2
WEIGHT RETAINED ON #80	64.25		%PASSING#80	27.5
WEIGHT RETAINED ON #100	14.8		%PASSING#100	19.5
WEIGHT RETAINED ON #200	24.46		%PASSING#200	6.3
WEIGHT RETAINED ON #230	2.7		%PASSING#230	4.8

ANALYSIS DATE/TIME:	5/24/2010	9:43	**INITIAL WEIGHT(g):**	183.26
ANALYST:	AMA			
SAMPLE ID#:	800446			
	Weight of Soil in Pan (g)			% Passing
WEIGHT RETAINED ON #4	8.32		%PASSING#4	95.5
WEIGHT RETAINED ON #10	15.4		%PASSING#10	87.1
WEIGHT RETAINED ON #20	16.19		%PASSING#20	78.2
WEIGHT RETAINED ON #40	11.33		%PASSING#40	72.0
WEIGHT RETAINED ON #60	20.78		%PASSING#60	60.7
WEIGHT RETAINED ON #80	41		%PASSING#80	38.3
WEIGHT RETAINED ON #100	14.92		%PASSING#100	30.2
WEIGHT RETAINED ON #200	29.84		%PASSING#200	13.9
WEIGHT RETAINED ON #230	6.72		%PASSING#230	10.2

ANALYSIS DATE/TIME:	5/24/2010	9:56	**INITIAL WEIGHT(g):**	178.63
ANALYST:	AMA			
SAMPLE ID#:	800447			
	Weight of Soil in Pan (g)			% Passing
WEIGHT RETAINED ON #4	9.98		%PASSING#4	94.4
WEIGHT RETAINED ON #10	17.4		%PASSING#10	84.7
WEIGHT RETAINED ON #20	16.26		%PASSING#20	75.6
WEIGHT RETAINED ON #40	9.91		%PASSING#40	70.0
WEIGHT RETAINED ON #60	19.23		%PASSING#60	59.3
WEIGHT RETAINED ON #80	56.14		%PASSING#80	27.8
WEIGHT RETAINED ON #100	11.31		%PASSING#100	21.5
WEIGHT RETAINED ON #200	18.05		%PASSING#200	11.4
WEIGHT RETAINED ON #230	7.44		%PASSING#230	7.2

GRAIN SIZE SIEVE ANALYSIS

Run # 67003B

Instructions: 1) fill in data on test template page, 2) save Export page in CSV file-format to LACHAT8 folder

ANALYSIS DATE/TIME:	5/24/2010	10:07	**INITIAL WEIGHT(g):**	185.15
ANALYST:	AMA			
SAMPLE ID#:	800448			
	Weight of Soil in Pan (g)			% Passing
WEIGHT RETAINED ON #4	2.55		%PASSING#4	98.6
WEIGHT RETAINED ON #10	11.18		%PASSING#10	92.6
WEIGHT RETAINED ON #20	17.66		%PASSING#20	83.0
WEIGHT RETAINED ON #40	11.83		%PASSING#40	76.7
WEIGHT RETAINED ON #60	12.78		%PASSING#60	69.8
WEIGHT RETAINED ON #80	28.76		%PASSING#80	54.2
WEIGHT RETAINED ON #100	15.9		%PASSING#100	45.6
WEIGHT RETAINED ON #200	36.82		%PASSING#200	25.7
WEIGHT RETAINED ON #230	12.9		%PASSING#230	18.8

ANALYSIS DATE/TIME:	5/24/2010	10:21	**INITIAL WEIGHT(g):**	151.97
ANALYST:	AMA			
SAMPLE ID#:	800449			
	Weight of Soil in Pan (g)			% Passing
WEIGHT RETAINED ON #4	1.32		%PASSING#4	99.1
WEIGHT RETAINED ON #10	18.4		%PASSING#10	87.0
WEIGHT RETAINED ON #20	12.82		%PASSING#20	78.6
WEIGHT RETAINED ON #40	5.56		%PASSING#40	74.9
WEIGHT RETAINED ON #60	14.23		%PASSING#60	65.6
WEIGHT RETAINED ON #80	41.72		%PASSING#80	38.1
WEIGHT RETAINED ON #100	18.46		%PASSING#100	26.0
WEIGHT RETAINED ON #200	32.03		%PASSING#200	4.9
WEIGHT RETAINED ON #230	1.59		%PASSING#230	3.8

ANALYSIS DATE/TIME:	5/24/2010	10:33	**INITIAL WEIGHT(g):**	190.48
ANALYST:	AMA			
SAMPLE ID#:	800450			
	Weight of Soil in Pan (g)			% Passing
WEIGHT RETAINED ON #4	1.64		%PASSING#4	99.1
WEIGHT RETAINED ON #10	2.15		%PASSING#10	98.0
WEIGHT RETAINED ON #20	3.37		%PASSING#20	96.2
WEIGHT RETAINED ON #40	2.97		%PASSING#40	94.7
WEIGHT RETAINED ON #60	11.28		%PASSING#60	88.8
WEIGHT RETAINED ON #80	59.36		%PASSING#80	57.6
WEIGHT RETAINED ON #100	38.2		%PASSING#100	37.5
WEIGHT RETAINED ON #200	44.23		%PASSING#200	14.3
WEIGHT RETAINED ON #230	8.28		%PASSING#230	10.0

GRAIN SIZE SIEVE ANALYSIS

Run # 67003C

Instructions: 1) fill in data on test template page, 2) save Export page in CSV file-format to LACHAT8 folder

ANALYSIS DATE/TIME:	5/24/2010	10:45	**INITIAL WEIGHT(g):**	171.17
ANALYST:	AMA			
SAMPLE ID#:	800451			
	Weight of Soil in Pan (g)			% Passing
WEIGHT RETAINED ON #4	3.79		%PASSING#4	97.8
WEIGHT RETAINED ON #10	24.08		%PASSING#10	83.7
WEIGHT RETAINED ON #20	17.95		%PASSING#20	73.2
WEIGHT RETAINED ON #40	9.01		%PASSING#40	68.0
WEIGHT RETAINED ON #60	3.1		%PASSING#60	66.2
WEIGHT RETAINED ON #80	48.1		%PASSING#80	38.1
WEIGHT RETAINED ON #100	21.35		%PASSING#100	25.6
WEIGHT RETAINED ON #200	31.76		%PASSING#200	7.0
WEIGHT RETAINED ON #230	3.34		%PASSING#230	5.1

ANALYSIS DATE/TIME:	5/24/2010	10:58	**INITIAL WEIGHT(g):**	178.47
ANALYST:	AMA			
SAMPLE ID#:	800452			
	Weight of Soil in Pan (g)			% Passing
WEIGHT RETAINED ON #4	0.02		%PASSING#4	100.0
WEIGHT RETAINED ON #10	0.29		%PASSING#10	99.8
WEIGHT RETAINED ON #20	0.38		%PASSING#20	99.6
WEIGHT RETAINED ON #40	0.7		%PASSING#40	99.2
WEIGHT RETAINED ON #60	15.52		%PASSING#60	90.5
WEIGHT RETAINED ON #80	76.42		%PASSING#80	47.7
WEIGHT RETAINED ON #100	39.69		%PASSING#100	25.5
WEIGHT RETAINED ON #200	43.55		%PASSING#200	1.1
WEIGHT RETAINED ON #230	0.41		%PASSING#230	0.8

ANALYSIS DATE/TIME:	5/24/2010	11:11	**INITIAL WEIGHT(g):**	166.02
ANALYST:	AMA			
SAMPLE ID#:	800453			
	Weight of Soil in Pan (g)			% Passing
WEIGHT RETAINED ON #4	0		%PASSING#4	100.0
WEIGHT RETAINED ON #10	0.02		%PASSING#10	100.0
WEIGHT RETAINED ON #20	0.05		%PASSING#20	100.0
WEIGHT RETAINED ON #40	0.21		%PASSING#40	99.8
WEIGHT RETAINED ON #60	10.52		%PASSING#60	93.5
WEIGHT RETAINED ON #80	98.85		%PASSING#80	34.0
WEIGHT RETAINED ON #100	31.85		%PASSING#100	14.8
WEIGHT RETAINED ON #200	23.99		%PASSING#200	0.3
WEIGHT RETAINED ON #230	0.06		%PASSING#230	0.3

GRAIN SIZE SIEVE ANALYSIS

Run # 67003D

Instructions: 1) fill in data on test template page, 2) save Export page in CSV file-format to LACHAT8 folder

ANALYSIS DATE/TIME:	5/24/2010	11:24	**INITIAL WEIGHT(g):**	169.42
ANALYST:	AMA			
SAMPLE ID#:	800454			
	Weight of Soil in Pan (g)			% Passing
WEIGHT RETAINED ON #4	8.5		%PASSING#4	95.0
WEIGHT RETAINED ON #10	21.97		%PASSING#10	82.0
WEIGHT RETAINED ON #20	22.75		%PASSING#20	68.6
WEIGHT RETAINED ON #40	11.28		%PASSING#40	61.9
WEIGHT RETAINED ON #60	12.67		%PASSING#60	54.5
WEIGHT RETAINED ON #80	13.2		%PASSING#80	46.7
WEIGHT RETAINED ON #100	5.42		%PASSING#100	43.5
WEIGHT RETAINED ON #200	38.12		%PASSING#200	21.0
WEIGHT RETAINED ON #230	12.26		%PASSING#230	13.7

ANALYSIS DATE/TIME:	5/24/2010	11:39	**INITIAL WEIGHT(g):**	178.4
ANALYST:	AMA			
SAMPLE ID#:	800455			
	Weight of Soil in Pan (g)			% Passing
WEIGHT RETAINED ON #4	2.69		%PASSING#4	98.5
WEIGHT RETAINED ON #10	10.32		%PASSING#10	92.7
WEIGHT RETAINED ON #20	15.54		%PASSING#20	84.0
WEIGHT RETAINED ON #40	12.55		%PASSING#40	77.0
WEIGHT RETAINED ON #60	9.33		%PASSING#60	71.7
WEIGHT RETAINED ON #80	9.75		%PASSING#80	66.3
WEIGHT RETAINED ON #100	4.37		%PASSING#100	63.8
WEIGHT RETAINED ON #200	55.91		%PASSING#200	32.5
WEIGHT RETAINED ON #230	27.22		%PASSING#230	17.2

ANALYSIS DATE/TIME:	5/24/2010	11:52	**INITIAL WEIGHT(g):**	165.53
ANALYST:	AMA			
SAMPLE ID#:	800456			
	Weight of Soil in Pan (g)			% Passing
WEIGHT RETAINED ON #4	18.65		%PASSING#4	88.7
WEIGHT RETAINED ON #10	35.95		%PASSING#10	67.0
WEIGHT RETAINED ON #20	27.8		%PASSING#20	50.2
WEIGHT RETAINED ON #40	13.35		%PASSING#40	42.2
WEIGHT RETAINED ON #60	6.61		%PASSING#60	38.2
WEIGHT RETAINED ON #80	3.25		%PASSING#80	36.2
WEIGHT RETAINED ON #100	1.49		%PASSING#100	35.3
WEIGHT RETAINED ON #200	15.27		%PASSING#200	26.1
WEIGHT RETAINED ON #230	9.61		%PASSING#230	20.3

GRAIN SIZE SIEVE ANALYSIS

Run # 67003E

Instructions: 1) fill in data on test template page, 2) save Export page in CSV file-format to LACHAT8 folder

ANALYSIS DATE/TIME:	5/24/2010	12:03	**INITIAL WEIGHT(g):**	190.7
ANALYST:	AMA			
SAMPLE ID#:	800457			
	Weight of Soil in Pan (g)			% Passing
WEIGHT RETAINED ON #4	0.06		%PASSING#4	100.0
WEIGHT RETAINED ON #10	0.4		%PASSING#10	99.8
WEIGHT RETAINED ON #20	2.62		%PASSING#20	98.4
WEIGHT RETAINED ON #40	15.32		%PASSING#40	90.4
WEIGHT RETAINED ON #60	42.72		%PASSING#60	67.9
WEIGHT RETAINED ON #80	82.61		%PASSING#80	24.6
WEIGHT RETAINED ON #100	17.2		%PASSING#100	15.6
WEIGHT RETAINED ON #200	24.25		%PASSING#200	2.9
WEIGHT RETAINED ON #230	1.06		%PASSING#230	2.3

ANALYSIS DATE/TIME:	5/24/2010	12:17	**INITIAL WEIGHT(g):**	189.42
ANALYST:	AMA			
SAMPLE ID#:	800458			
	Weight of Soil in Pan (g)			% Passing
WEIGHT RETAINED ON #4	0		%PASSING#4	100.0
WEIGHT RETAINED ON #10	6.35		%PASSING#10	96.6
WEIGHT RETAINED ON #20	12.25		%PASSING#20	90.2
WEIGHT RETAINED ON #40	23.01		%PASSING#40	78.0
WEIGHT RETAINED ON #60	51.65		%PASSING#60	50.8
WEIGHT RETAINED ON #80	50.71		%PASSING#80	24.0
WEIGHT RETAINED ON #100	15.35		%PASSING#100	15.9
WEIGHT RETAINED ON #200	26.22		%PASSING#200	2.0
WEIGHT RETAINED ON #230	1.03		%PASSING#230	1.5

INORGANICS
LOGBOOK
DOCUMENTS

S GRAIN SIZE ANALYSI Analytical Run
67003 on 5/26/2010

Date Analyzed: _____ Date Reviewed: _____

Date Entered: _____ Date Validated: _____

COC	ORDER	SAMPLE DECRIPTION	SAMPLE DATE/ TIME	QC TYPE (Parent Sample)	CLIENT	PROJECT	TEST	PREP BATCH	MATRIX	DEL	RUSH
79094	800448		5/18/2010 0840		COMPUCHEM	CTO-094 CAMP LEJEUNE	GRAIN SIZE ANALYSI		S	4	Y
		BBG-SS63-0-1-10B									
79094	800449		5/18/2010 0900		COMPUCHEM	CTO-094 CAMP LEJEUNE	GRAIN SIZE ANALYSI		S	4	Y
		BBG-SB63-5.5-6.5-10B									
79094	800450		5/18/2010 0945		COMPUCHEM	CTO-094 CAMP LEJEUNE	GRAIN SIZE ANALYSI		S	4	Y
		BBG-SS61-0-1-10B									
79094	800451		5/18/2010 0955		COMPUCHEM	CTO-094 CAMP LEJEUNE	GRAIN SIZE ANALYSI		S	4	Y
		BBG-SB61-6-7-10B									
79094	800452		5/17/2010 1150		COMPUCHEM	CTO-094 CAMP LEJEUNE	GRAIN SIZE ANALYSI		S	4	Y
		BBG-SS33-0-1-10B									
79094	800453		5/17/2010 1200		COMPUCHEM	CTO-094 CAMP LEJEUNE	GRAIN SIZE ANALYSI		S	4	Y
		BBG-SB33-4-5-10B									
79094	800454		5/17/2010 1240		COMPUCHEM	CTO-094 CAMP LEJEUNE	GRAIN SIZE ANALYSI		S	4	Y
		BBG-SB31-5-6-10B									
79094	800455		5/17/2010 1225		COMPUCHEM	CTO-094 CAMP LEJEUNE	GRAIN SIZE ANALYSI		S	4	Y
		BBG-SS31-0-1-10B									
79094	800456		5/17/2010 1500		COMPUCHEM	CTO-094 CAMP LEJEUNE	GRAIN SIZE ANALYSI		S	4	Y
		BBG-SB73-9-10-10B									
79094	800457		5/18/2010 1100		COMPUCHEM	CTO-094 CAMP LEJEUNE	GRAIN SIZE ANALYSI		S	4	Y
		BBG-SS32-0-1-10B									
79094	800458		5/18/2010 1110		COMPUCHEM	CTO-094 CAMP LEJEUNE	GRAIN SIZE ANALYSI		S	4	Y
		BBG-SB32-2.5-3.5-10B									
79094	800440		5/17/2010 1600		COMPUCHEM	CTO-094 CAMP LEJEUNE	GRAIN SIZE ANALYSI		S	4	Y
		BBG-SB74-4-5-10B									
79094	800446		5/17/2010 1635		COMPUCHEM	CTO-094 CAMP LEJEUNE	GRAIN SIZE ANALYSI		S	4	Y
		BBG-SS75-0-1-10B									
79094	800447		5/17/2010 1645		COMPUCHEM	CTO-094 CAMP LEJEUNE	GRAIN SIZE ANALYSI		S	4	Y
		BBG-SB75-3.5-4.5-10B									

14 SAMPLE COUNT ON RUN, INCLUDING METHOD AND INSTRUMENT QC

Matrix: S-Soil Slg-Sludge GW-GroundWater M-Misc Waste SW-Surface Water A-Air WW-WasteWater DW-Drinking Water SD=Sediment Leachate=LE

LIMS #: 67003	Method: Grain Size			
Analysis Date	Analyst / Data Interpreter	Independent Reviewer	Date of Review	Approved
5/24/10	AMA /	[illegible]	05·25·10	Yes ... No

Instructions: Complete one checklist per *analytical run*. Enter the appropriate response for each question. Each "No" response requires an explanation in the Comments section, and may require the initiation of a Nonconformance Report.

Requirement:	Acceptance Criteria	Analyst Review		Independent Review		Comments: (indicate reference to an attachment if necessary)
		Yes	No	Yes	No	
1. Was enough sample provided to perform analysis?	Minimum of 100-150 g of dried sample.	X		X		
2. Are all samples on the job lists accounted for?	---	X		X		

CHAIN OF CUSTODY,
PM CONFIRMATION
AND
SAMPLE CONDITION FORMS
DOCUMENTS

Folder #: 79094

PM LOGIN CONFIRMATION

********RUSH PROJECT********
ANALYSIS DUE 5/27/2010

Company: COMPUCHEM **Contract #:** 2186 **Project:** CTO-094 CAMP LEJEUNE **Proj #:**

PO Number: **Invoice #:** 79190 **Project Manager:** *PML*

Date Received: 05/21/10 **Log Date:** 5/21/2010 **Projected Sample Disposal Date:** 4 **days from receipt date**

Report To: CATHY DOVER CC:
501 MADISON AVENUE

CARY, NC 27513
Phone: 919-379-4089: Fax: 919-379-4040
Rep. E-Mail cdover@compuchemlabs.com

Collected By:
Collector's Phone: 919-379-4089

Invoice To :ROBERT GATES CC:
501 MADISON AVENUE

CARY, NC 27513
Phone: 919-379-4003 Fax:
EMail: robg@compuchemlabs.com

Arrival Temperature: oC

SAMPLE #: 800440 DESCR: BBG-SB74-4-5-10B MATRIX: SOIL SAMPLED: 5/17/2010 Time: 1600 CLIENT SAMPLE #:

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/13/2010	5/27/2010	*Y*	Logged

SAMPLE #: 800446 DESCR: BBG-SS75-0-1-10B MATRIX: SOIL SAMPLED: 5/17/2010 Time: 1635 CLIENT SAMPLE #:

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/13/2010	5/27/2010	*Y*	Logged

SAMPLE #: 800447 DESCR: BBG-SB75-3.5-4.5-10B MATRIX: SOIL SAMPLED: 5/17/2010 Time: 1645 CLIENT SAMPLE #:

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/13/2010	5/27/2010	*Y*	Logged

SAMPLE #: 800448 DESCR: BBG-SS63-0-1-10B MATRIX: SOIL SAMPLED: 5/18/2010 Time: 0840 CLIENT SAMPLE #:

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/14/2010	5/27/2010	*Y*	Logged

Folder #: 79094 **Company:** *COMPUCHEM* **Project:** CTO-094 CAMP LEJEUNE

SAMPLE #: 800449 **DESCR:** BBG-SB63-5.5-6.5-10B **MATRIX:** SOIL **SAMPLED:** 5/18/2010 **Time:** 0900 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/14/2010	5/27/2010	*Y*	Logged

SAMPLE #: 800450 **DESCR:** BBG-SS61-0-1-10B **MATRIX:** SOIL **SAMPLED:** 5/18/2010 **Time:** 0945 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/14/2010	5/27/2010	*Y*	Logged

SAMPLE #: 800451 **DESCR:** BBG-SB61-6-7-10B **MATRIX:** SOIL **SAMPLED:** 5/18/2010 **Time:** 0955 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/14/2010	5/27/2010	*Y*	Logged

SAMPLE #: 800452 **DESCR:** BBG-SS33-0-1-10B **MATRIX:** SOIL **SAMPLED:** 5/17/2010 **Time:** 1150 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/13/2010	5/27/2010	*Y*	Logged

SAMPLE #: 800453 **DESCR:** BBG-SB33-4-5-10B **MATRIX:** SOIL **SAMPLED:** 5/17/2010 **Time:** 1200 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/13/2010	5/27/2010	*Y*	Logged

SAMPLE #: 800454 **DESCR:** BBG-SB31-5-6-10B **MATRIX:** SOIL **SAMPLED:** 5/17/2010 **Time:** 1240 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/13/2010	5/27/2010	*Y*	Logged

SAMPLE #: 800455 **DESCR:** BBG-SS31-0-1-10B **MATRIX:** SOIL **SAMPLED:** 5/17/2010 **Time:** 1225 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/13/2010	5/27/2010	*Y*	Logged

Folder #: 79094 **Company:** *COMPUCHEM* **Project:** CTO-094 CAMP LEJEUNE

SAMPLE #: 800456 **DESCR:** BBG-SB73-9-10-10B **MATRIX:** SOIL **SAMPLED:** 5/17/2010 **Time:** 1500 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/13/2010	5/27/2010	*Y*	Logged

SAMPLE #: 800457 **DESCR:** BBG-SS32-0-1-10B **MATRIX:** SOIL **SAMPLED:** 5/18/2010 **Time:** 1100 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/14/2010	5/27/2010	*Y*	Logged

SAMPLE #: 800458 **DESCR:** BBG-SB32-2.5-3.5-10B **MATRIX:** SOIL **SAMPLED:** 5/18/2010 **Time:** 1110 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/14/2010	5/27/2010	*Y*	Logged

Invoice Details

Invoice: *79190* **Amount:** $ 700.00

Item	Quantity	Matrix	Surcharge	Unit Price
GRAIN SIZE ANALYSI	14	SOIL		**50.00**

Bottle Information

Container	# Containers	Tests
SOLIDS	**14**	%SOL,GSA

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Sample Condition Report

Folder #: 79094
Client: COMPUCHEM

Print Date / Time: 05/21/2010 11:05
Received Date / Time / By: 05/21/2010 1050 JLS

Project Name: CTO-094 MCB CAMP LEJ
Project #:

Log-In Date / Time / By: 05/21/2010 1105 JLS
PM: PML

Coolers: THEIRS
Custody Seals Present : **Y**

Temperature: AMBIENT C On Ice: **N**
COC Present:? **Y** Complete? **Y**

Seal Intact? **Y**
Ship Method: UPS
Adequate Packaging: **Y**

Numbers: DATED AND SIGNED
Tracking Number: 1ZA1R1110146082140
Temp Blank Enclosed? **N**

Notes: SAMPLES REC'D IN GOOD CONDITION. NO ICE PRESENT.
2 COMPUCHEM CUSTODY SEALS INTACT BOTH DATED 5-20-10 AND SIGNED BY J DOVER

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
800440 BBG-SB74-4-5-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
800446 BBG-SS75-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
800447 BBG-SB75-3.5-4.5-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
800448 BBG-SS63-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
800449 BBG-SB63-5.5-6.5-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
800450 BBG-SS61-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
800451 BBG-SB61-6-7-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
800452 BBG-SS33-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
800453 BBG-SB33-4-5-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
800454 BBG-SB31-5-6-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
800455 BBG-SS31-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
800456 BBG-SB73-9-10-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
800457 BBG-SS32-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
800458 BBG-SB32-2.5-3.5-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Condition Code	*Condition Description*
1	Sample Received OK

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ANALYTICAL REPORT

This report at a minimum contains the following information:

- Analytical Report of Test Results
- Description of QC Qualifiers
- Chain of Custody (copy)
- Sample Condition Report
- Quality Control Summary
- Case Narrative (if applicable)
- Correspondence with Client (if applicable)

For analyses that require NELAP accreditation, all analytes, by matrix and method, are accredited following current NELAP standards unless specifically noted in this document.

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ANALYTICAL REPORT

COMPUCHEM
CATHY DOVER
501 MADISON AVENUE
CARY, NC 27513

Project Name: CTO-094 CAMP LEJEUNE
Contract #: 2186
Project #:
Folder #: 79094
Purchase Order #:

Arrival Temperature: See COC
Report Date: 5/25/2010
Date Received: 5/21/2010
Reprint Date: 5/25/2010

CT LAB#: 800440 Sample Description: BBG-SB74-4-5-10B Sampled: 5/17/2010 1600

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	91.4	%Passing	0.10	0.10	0.10	1			05/24/2010	9:32	APG	ASTM C136-84A
#100 Sieve	19.5	%Passing	0.10	0.10	0.10	1			05/24/2010	9:32	APG	ASTM C136-84A
#20 Sieve	85.3	%Passing	0.10	0.10	0.10	1			05/24/2010	9:32	APG	ASTM C136-84A
#200 Sieve	6.3	%Passing	0.10	0.10	0.10	1			05/24/2010	9:32	APG	ASTM C136-84A
#230 Sieve	4.8	%Passing	0.10	0.10	0.10	1			05/24/2010	9:32	APG	ASTM C136-84A
#4 Sieve	96.6	%Passing	0.10	0.10	0.10	1			05/24/2010	9:32	APG	ASTM C136-84A
#40 Sieve	76.2	%Passing	0.10	0.10	0.10	1			05/24/2010	9:32	APG	ASTM C136-84A
#60 Sieve	62.2	%Passing	0.10	0.10	0.10	1			05/24/2010	9:32	APG	ASTM C136-84A
#80 Sieve	27.5	%Passing	0.10	0.10	0.10	1			05/24/2010	9:32	APG	ASTM C136-84A

CT LAB#: 800446 Sample Description: BBG-SS75-0-1-10B Sampled: 5/17/2010 1635

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	87.1	%Passing	0.10	0.10	0.10	1			05/24/2010	9:43	APG	ASTM C136-84A
#100 Sieve	30.2	%Passing	0.10	0.10	0.10	1			05/24/2010	9:43	APG	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 800446 Sample Description: BBG-SS75-0-1-10B Sampled: 5/17/2010 1635

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
#20 Sieve	78.2	%Passing	0.10	0.10	0.10	1			05/24/2010	9:43	APG	ASTM C136-84A
#200 Sieve	13.9	%Passing	0.10	0.10	0.10	1			05/24/2010	9:43	APG	ASTM C136-84A
#230 Sieve	10.2	%Passing	0.10	0.10	0.10	1			05/24/2010	9:43	APG	ASTM C136-84A
#4 Sieve	95.5	%Passing	0.10	0.10	0.10	1			05/24/2010	9:43	APG	ASTM C136-84A
#40 Sieve	72.0	%Passing	0.10	0.10	0.10	1			05/24/2010	9:43	APG	ASTM C136-84A
#60 Sieve	60.7	%Passing	0.10	0.10	0.10	1			05/24/2010	9:43	APG	ASTM C136-84A
#80 Sieve	38.3	%Passing	0.10	0.10	0.10	1			05/24/2010	9:43	APG	ASTM C136-84A

CT LAB#: 800447 Sample Description: BBG-SB75-3.5-4.5-10B Sampled: 5/17/2010 1645

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	84.7	%Passing	0.10	0.10	0.10	1			05/24/2010	9:56	APG	ASTM C136-84A
#100 Sieve	21.5	%Passing	0.10	0.10	0.10	1			05/24/2010	9:56	APG	ASTM C136-84A
#20 Sieve	75.6	%Passing	0.10	0.10	0.10	1			05/24/2010	9:56	APG	ASTM C136-84A
#200 Sieve	11.4	%Passing	0.10	0.10	0.10	1			05/24/2010	9:56	APG	ASTM C136-84A
#230 Sieve	7.2	%Passing	0.10	0.10	0.10	1			05/24/2010	9:56	APG	ASTM C136-84A
#4 Sieve	94.4	%Passing	0.10	0.10	0.10	1			05/24/2010	9:56	APG	ASTM C136-84A
#40 Sieve	70.0	%Passing	0.10	0.10	0.10	1			05/24/2010	9:56	APG	ASTM C136-84A
#60 Sieve	59.3	%Passing	0.10	0.10	0.10	1			05/24/2010	9:56	APG	ASTM C136-84A
#80 Sieve	27.8	%Passing	0.10	0.10	0.10	1			05/24/2010	9:56	APG	ASTM C136-84A

CT LAB#: 800448 Sample Description: BBG-SS63-0-1-10B Sampled: 5/18/2010 0840

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	92.6	%Passing	0.10	0.10	0.10	1			05/24/2010	10:07	APG	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 800448 Sample Description: BBG-SS63-0-1-10B Sampled: 5/18/2010 0840

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
#100 Sieve	45.6	%Passing	0.10	0.10	0.10	1			05/24/2010 10:07	APG	ASTM C136-84A
#20 Sieve	83.1	%Passing	0.10	0.10	0.10	1			05/24/2010 10:07	APG	ASTM C136-84A
#200 Sieve	25.8	%Passing	0.10	0.10	0.10	1			05/24/2010 10:07	APG	ASTM C136-84A
#230 Sieve	18.8	%Passing	0.10	0.10	0.10	1			05/24/2010 10:07	APG	ASTM C136-84A
#4 Sieve	98.6	%Passing	0.10	0.10	0.10	1			05/24/2010 10:07	APG	ASTM C136-84A
#40 Sieve	76.7	%Passing	0.10	0.10	0.10	1			05/24/2010 10:07	APG	ASTM C136-84A
#60 Sieve	69.8	%Passing	0.10	0.10	0.10	1			05/24/2010 10:07	APG	ASTM C136-84A
#80 Sieve	54.2	%Passing	0.10	0.10	0.10	1			05/24/2010 10:07	APG	ASTM C136-84A

CT LAB#: 800449 Sample Description: BBG-SB63-5.5-6.5-10B Sampled: 5/18/2010 0900

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	87.0	%Passing	0.10	0.10	0.10	1			05/24/2010 10:21	APG	ASTM C136-84A
#100 Sieve	26.0	%Passing	0.10	0.10	0.10	1			05/24/2010 10:21	APG	ASTM C136-84A
#20 Sieve	78.6	%Passing	0.10	0.10	0.10	1			05/24/2010 10:21	APG	ASTM C136-84A
#200 Sieve	4.9	%Passing	0.10	0.10	0.10	1			05/24/2010 10:21	APG	ASTM C136-84A
#230 Sieve	3.8	%Passing	0.10	0.10	0.10	1			05/24/2010 10:21	APG	ASTM C136-84A
#4 Sieve	99.1	%Passing	0.10	0.10	0.10	1			05/24/2010 10:21	APG	ASTM C136-84A
#40 Sieve	74.9	%Passing	0.10	0.10	0.10	1			05/24/2010 10:21	APG	ASTM C136-84A
#60 Sieve	65.6	%Passing	0.10	0.10	0.10	1			05/24/2010 10:21	APG	ASTM C136-84A
#80 Sieve	38.1	%Passing	0.10	0.10	0.10	1			05/24/2010 10:21	APG	ASTM C136-84A

CT LAB#: 800450 Sample Description: BBG-SS61-0-1-10B Sampled: 5/18/2010 0945

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											

Solid sample results reported on a Dry Weight Basis

CT LAB#: 800450 Sample Description: BBG-SS61-0-1-10B Sampled: 5/18/2010 0945

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
#10 Sieve	98.0	%Passing	0.10	0.10	0.10	1			05/24/2010 10:33	APG	ASTM C136-84A
#100 Sieve	37.5	%Passing	0.10	0.10	0.10	1			05/24/2010 10:33	APG	ASTM C136-84A
#20 Sieve	96.2	%Passing	0.10	0.10	0.10	1			05/24/2010 10:33	APG	ASTM C136-84A
#200 Sieve	14.3	%Passing	0.10	0.10	0.10	1			05/24/2010 10:33	APG	ASTM C136-84A
#230 Sieve	10	%Passing	0.10	0.10	0.10	1			05/24/2010 10:33	APG	ASTM C136-84A
#4 Sieve	99.1	%Passing	0.10	0.10	0.10	1			05/24/2010 10:33	APG	ASTM C136-84A
#40 Sieve	94.7	%Passing	0.10	0.10	0.10	1			05/24/2010 10:33	APG	ASTM C136-84A
#60 Sieve	88.8	%Passing	0.10	0.10	0.10	1			05/24/2010 10:33	APG	ASTM C136-84A
#80 Sieve	57.6	%Passing	0.10	0.10	0.10	1			05/24/2010 10:33	APG	ASTM C136-84A

CT LAB#: 800451 Sample Description: BBG-SB61-6-7-10B Sampled: 5/18/2010 0955

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	83.7	%Passing	0.10	0.10	0.10	1			05/24/2010 10:45	APG	ASTM C136-84A
#100 Sieve	25.6	%Passing	0.10	0.10	0.10	1			05/24/2010 10:45	APG	ASTM C136-84A
#20 Sieve	73.2	%Passing	0.10	0.10	0.10	1			05/24/2010 10:45	APG	ASTM C136-84A
#200 Sieve	7.0	%Passing	0.10	0.10	0.10	1			05/24/2010 10:45	APG	ASTM C136-84A
#230 Sieve	5.1	%Passing	0.10	0.10	0.10	1			05/24/2010 10:45	APG	ASTM C136-84A
#4 Sieve	97.8	%Passing	0.10	0.10	0.10	1			05/24/2010 10:45	APG	ASTM C136-84A
#40 Sieve	68.0	%Passing	0.10	0.10	0.10	1			05/24/2010 10:45	APG	ASTM C136-84A
#60 Sieve	66.2	%Passing	0.10	0.10	0.10	1			05/24/2010 10:45	APG	ASTM C136-84A
#80 Sieve	38.1	%Passing	0.10	0.10	0.10	1			05/24/2010 10:45	APG	ASTM C136-84A

CT LAB#: 800452 Sample Description: BBG-SS33-0-1-10B Sampled: 5/17/2010 1150

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method

Solid sample results reported on a Dry Weight Basis

CT LAB#: 800452 Sample Description: BBG-SS33-0-1-10B Sampled: 5/17/2010 1150

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	99.8	%Passing	0.10	0.10	0.10	1			05/24/2010 10:58	APG	ASTM C136-84A
#100 Sieve	25.5	%Passing	0.10	0.10	0.10	1			05/24/2010 10:58	APG	ASTM C136-84A
#20 Sieve	99.6	%Passing	0.10	0.10	0.10	1			05/24/2010 10:58	APG	ASTM C136-84A
#200 Sieve	1.1	%Passing	0.10	0.10	0.10	1			05/24/2010 10:58	APG	ASTM C136-84A
#230 Sieve	0.83	%Passing	0.10	0.10	0.10	1			05/24/2010 10:58	APG	ASTM C136-84A
#4 Sieve	100	%Passing	0.10	0.10	0.10	1			05/24/2010 10:58	APG	ASTM C136-84A
#40 Sieve	99.2	%Passing	0.10	0.10	0.10	1			05/24/2010 10:58	APG	ASTM C136-84A
#60 Sieve	90.5	%Passing	0.10	0.10	0.10	1			05/24/2010 10:58	APG	ASTM C136-84A
#80 Sieve	47.7	%Passing	0.10	0.10	0.10	1			05/24/2010 10:58	APG	ASTM C136-84A

CT LAB#: 800453 Sample Description: BBG-SB33-4-5-10B Sampled: 5/17/2010 1200

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	100	%Passing	0.10	0.10	0.10	1			05/24/2010 11:11	APG	ASTM C136-84A
#100 Sieve	14.8	%Passing	0.10	0.10	0.10	1			05/24/2010 11:11	APG	ASTM C136-84A
#20 Sieve	100	%Passing	0.10	0.10	0.10	1			05/24/2010 11:11	APG	ASTM C136-84A
#200 Sieve	0.32	%Passing	0.10	0.10	0.10	1			05/24/2010 11:11	APG	ASTM C136-84A
#230 Sieve	0.28	%Passing	0.10	0.10	0.10	1			05/24/2010 11:11	APG	ASTM C136-84A
#4 Sieve	100	%Passing	0.10	0.10	0.10	1			05/24/2010 11:11	APG	ASTM C136-84A
#40 Sieve	99.8	%Passing	0.10	0.10	0.10	1			05/24/2010 11:11	APG	ASTM C136-84A
#60 Sieve	93.5	%Passing	0.10	0.10	0.10	1			05/24/2010 11:11	APG	ASTM C136-84A
#80 Sieve	34.0	%Passing	0.10	0.10	0.10	1			05/24/2010 11:11	APG	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 800454 Sample Description: BBG-SB31-5-6-10B Sampled: 5/17/2010 1240

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	82.0	%Passing	0.10	0.10	0.10	1			05/24/2010 11:24	APG	ASTM C136-84A
#100 Sieve	43.5	%Passing	0.10	0.10	0.10	1			05/24/2010 11:24	APG	ASTM C136-84A
#20 Sieve	68.6	%Passing	0.10	0.10	0.10	1			05/24/2010 11:24	APG	ASTM C136-84A
#200 Sieve	21.0	%Passing	0.10	0.10	0.10	1			05/24/2010 11:24	APG	ASTM C136-84A
#230 Sieve	13.7	%Passing	0.10	0.10	0.10	1			05/24/2010 11:24	APG	ASTM C136-84A
#4 Sieve	95.0	%Passing	0.10	0.10	0.10	1			05/24/2010 11:24	APG	ASTM C136-84A
#40 Sieve	61.9	%Passing	0.10	0.10	0.10	1			05/24/2010 11:24	APG	ASTM C136-84A
#60 Sieve	54.5	%Passing	0.10	0.10	0.10	1			05/24/2010 11:24	APG	ASTM C136-84A
#80 Sieve	46.7	%Passing	0.10	0.10	0.10	1			05/24/2010 11:24	APG	ASTM C136-84A

CT LAB#: 800455 Sample Description: BBG-SS31-0-1-10B Sampled: 5/17/2010 1225

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	92.7	%Passing	0.10	0.10	0.10	1			05/24/2010 11:39	APG	ASTM C136-84A
#100 Sieve	63.8	%Passing	0.10	0.10	0.10	1			05/24/2010 11:39	APG	ASTM C136-84A
#20 Sieve	84.0	%Passing	0.10	0.10	0.10	1			05/24/2010 11:39	APG	ASTM C136-84A
#200 Sieve	32.5	%Passing	0.10	0.10	0.10	1			05/24/2010 11:39	APG	ASTM C136-84A
#230 Sieve	17.2	%Passing	0.10	0.10	0.10	1			05/24/2010 11:39	APG	ASTM C136-84A
#4 Sieve	98.5	%Passing	0.10	0.10	0.10	1			05/24/2010 11:39	APG	ASTM C136-84A
#40 Sieve	77.0	%Passing	0.10	0.10	0.10	1			05/24/2010 11:39	APG	ASTM C136-84A
#60 Sieve	71.7	%Passing	0.10	0.10	0.10	1			05/24/2010 11:39	APG	ASTM C136-84A
#80 Sieve	66.3	%Passing	0.10	0.10	0.10	1			05/24/2010 11:39	APG	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 800456 Sample Description: BBG-SB73-9-10-10B Sampled: 5/17/2010 1500

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	67.0	%Passing	0.10	0.10	0.10	1			05/24/2010 11:52	APG	ASTM C136-84A
#100 Sieve	35.3	%Passing	0.10	0.10	0.10	1			05/24/2010 11:52	APG	ASTM C136-84A
#20 Sieve	50.2	%Passing	0.10	0.10	0.10	1			05/24/2010 11:52	APG	ASTM C136-84A
#200 Sieve	26.1	%Passing	0.10	0.10	0.10	1			05/24/2010 11:52	APG	ASTM C136-84A
#230 Sieve	20.3	%Passing	0.10	0.10	0.10	1			05/24/2010 11:52	APG	ASTM C136-84A
#4 Sieve	88.7	%Passing	0.10	0.10	0.10	1			05/24/2010 11:52	APG	ASTM C136-84A
#40 Sieve	42.2	%Passing	0.10	0.10	0.10	1			05/24/2010 11:52	APG	ASTM C136-84A
#60 Sieve	38.2	%Passing	0.10	0.10	0.10	1			05/24/2010 11:52	APG	ASTM C136-84A
#80 Sieve	36.2	%Passing	0.10	0.10	0.10	1			05/24/2010 11:52	APG	ASTM C136-84A

CT LAB#: 800457 Sample Description: BBG-SS32-0-1-10B Sampled: 5/18/2010 1100

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	99.8	%Passing	0.10	0.10	0.10	1			05/24/2010 12:03	APG	ASTM C136-84A
#100 Sieve	15.6	%Passing	0.10	0.10	0.10	1			05/24/2010 12:03	APG	ASTM C136-84A
#20 Sieve	98.4	%Passing	0.10	0.10	0.10	1			05/24/2010 12:03	APG	ASTM C136-84A
#200 Sieve	2.9	%Passing	0.10	0.10	0.10	1			05/24/2010 12:03	APG	ASTM C136-84A
#230 Sieve	2.3	%Passing	0.10	0.10	0.10	1			05/24/2010 12:03	APG	ASTM C136-84A
#4 Sieve	100	%Passing	0.10	0.10	0.10	1			05/24/2010 12:03	APG	ASTM C136-84A
#40 Sieve	90.4	%Passing	0.10	0.10	0.10	1			05/24/2010 12:03	APG	ASTM C136-84A
#60 Sieve	68.0	%Passing	0.10	0.10	0.10	1			05/24/2010 12:03	APG	ASTM C136-84A
#80 Sieve	24.6	%Passing	0.10	0.10	0.10	1			05/24/2010 12:03	APG	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 800458 Sample Description: BBG-SB32-2.5-3.5-10B Sampled: 5/18/2010 1110

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	96.7	%Passing	0.10	0.10	0.10	1			05/24/2010 12:17	APG	ASTM C136-84A
#100 Sieve	15.9	%Passing	0.10	0.10	0.10	1			05/24/2010 12:17	APG	ASTM C136-84A
#20 Sieve	90.2	%Passing	0.10	0.10	0.10	1			05/24/2010 12:17	APG	ASTM C136-84A
#200 Sieve	2.1	%Passing	0.10	0.10	0.10	1			05/24/2010 12:17	APG	ASTM C136-84A
#230 Sieve	1.5	%Passing	0.10	0.10	0.10	1			05/24/2010 12:17	APG	ASTM C136-84A
#4 Sieve	100	%Passing	0.10	0.10	0.10	1			05/24/2010 12:17	APG	ASTM C136-84A
#40 Sieve	78.0	%Passing	0.10	0.10	0.10	1			05/24/2010 12:17	APG	ASTM C136-84A
#60 Sieve	50.8	%Passing	0.10	0.10	0.10	1			05/24/2010 12:17	APG	ASTM C136-84A
#80 Sieve	24.0	%Passing	0.10	0.10	0.10	1			05/24/2010 12:17	APG	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

Notes: ^ Indicates the laboratory is NELAP accredited for this analyte by the indicated matrix and method.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

This report has been specifically prepared to satisfy project or program requirements. The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Level of uncertainty measurements only provided upon pre-approved request.

Submitted by: PML r
Project Manager
608-356-2760

Current CT Laboratories Certifications

Illinois NELAP ID# 200046

Kansas NELAP ID# E-10368

Kentucky ID# 0023

Pennsylvania NELAP ID# 68-04201

New Jersey NELAP ID# WI001

North Dakota ID# R-171

Wisconsin (WDNR) Chemistry ID# 157066030

Wisconsin (DATCP) Bacteriology ID# 105-289

DoD-ELAP Accreditation Cert # ADE-1453

GA EPD Stipulation

Accreditor:	IL NELAP
Accreditation ID:	200046
Scope:	Hazardous/Solid Waste Non-potable water
Effective:	11/19/2009
Expires:	09/30/2010

NEXT DAY AIR NO ICE "SDG 4" pg 1 of 2s 13544

SUBCONTRACT CHAIN-OF-CUSTODY RECORD

COMPUCHEM
a division of Liberty Analytical Corp.

501 Madison Avenue
Cary, NC 27513
1-800-833-5097

Project Name: CTO-094 MCB CAMP LEJEUNE
TAT: 7 calendar day TAT
Report style: Level IV
Disk requirement: SNEDD

Samples shipped to: CT LABS
Contact: Pat Letterer
Address: 1230 Lange Court
Baraboo, WI 53913
Phone: (800) 228-3012
Project Locale (state) NC

CompuChem point-of-contact: (4) CATHY DOVER
Phone: (919) 379-4100 X 4089
Fax: (919) 379-4050

Sampling complete? Y or N (see Note 1)
Project-specific (PS) or Batch (B) QC? per method

BOX #1
1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil / Sediment / Sludge
6. Trip Blank
7. Oil
8. Waste
9. Other _____

BOX #2
A. HCl + Ice
B. HNO_3 + Ice
C. NaOH + Ice
D. H_2SO_4 + Ice
E. Unpreserved
F. Ice Only
G. Other _____
H. $NaHSO_4$ + Ice
I. ZnAc+NaOH + Ice
J. Methanol

BOX #3
F- Filtered
U- Unfiltered

BOX #4
H- High
M- Medium
L- Low

BOX #5
C- CLP
T- TCLP
S - SW-846
W- CWA 600-series
O- Other _____

PARAMETERS

Sample ID	Date (Month/Day/Year 2010)	Time	Box #1 Matrix	Box #2 Preservative	Box #3 Filtered / Unfiltered	Box #4 Expected Conc.	Box #5 Method	# of Bottles	Use for Lab QC (MS or DUP)	grain size sieve only ASTM D422	CCN	Remarks / Comments (see Notes 2 & 3)
BBG-SB74-4-5-10B	5/3/17	1600	5	E	U			1		✓	800440	please e-mail results to cdover@compuchemlabs.com
BBG-SS75-0-1-10B		1635								✓	800446	
BBG-SB75-3.5-4.5-10B (CA SB010)		1645								✓	800447	
BBG-SS63-0-1-10B	5/3/18	0840								✓	800448	
BBG-SB63-5.5-6.5-10B		0900								✓	800449	
BBG-SS61-0-1-10B		0945								✓	800450	
BBG-SB61-6-7-10B		0955								✓	800451	
BBG-SS33-0-1-10B	5/7	1150								✓	800452	
BBG-SB33-4-5-10B		1200								✓	800453	
BBG-SB31-5-6-10B		1240	↓	↓	↓			↓		✓	800454	

79094

Folder #: 79094
Company: COMPUCHEM
Project: CTO-094 MCB CAMP LE
Logged By: JLS PM: PM

Thermo cooler 5/21/10 1050 jlo

Temperature Ambient °C

Clients Special Instructions:

Lab: Received in good condition? Y or N Describe any problems:

#1 Relenquished by:(sig) Jennifer Dover	Date: 5/20/10	#2 Relinquished by:(sig)	Date:	Relinquished by:(sig)	Date:
Company Name: Compuchem	Time: 1700	Company Name:	Time:	Company Name:	Time:
#1 Received by:(sig)	Date:	#2 Received by:(sig)	Date:	#2 Received by:(sig) jlo	Date: 5/21/10
Company Name:	Time:	Company Name:	Time:	Company Name: CT Labs	Time: 1105

Note (1) If "N" lab should batch samples to await remainder of project - maximizing batch size and minimizing QC ratio; if "Y" lab should begin processing batches now.
Note (2) Samples should be stored 60 days after date report mailed at no extra charge.
Note (3) All lab copies of data should be retained for a minimum of 3 years.
~~Note (4) Please call point-of-contact to verify receipt of samples.~~

Revision 0 2-10-99

79094 NO ICE "SDG#" pg. 2 of 2 s 13545

SUBCONTRACT CHAIN-OF-CUSTODY RECORD

COMPUCHEM
a division of Liberty Analytical Corp.

501 Madison Avenue
Cary, NC 27513
1-800-833-5097

Project Name: CTO-094 MCB CAMP LEJEUNE
TAT: 7 CALENDAR DAYS
Report style: Level IV
Disk requirement: SWEDD

Samples shipped to: CT LABS
Contact:
Address: see pg 1 of 2
Phone: ( )
Project Locale (state)

CompuChem point-of-contact: (4) CATHY DOVER
Phone: (919) 379-4100 x4089
Fax: (919) 379-4050
Sampling complete? Y or N (see Note 1)
Project-specific (PS) or Batch (B) QC? per method

BOX #1
1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil / Sediment / Sludge
6. Trip Blank
7. Oil
8. Waste
9. Other _____

BOX #2
A. HCl + Ice
B. HNO_3 + Ice
C. NaOH + Ice
D. H_2SO_4 + Ice
E. Unpreserved
F. Ice Only
G. Other _____
H. $NaHSO_4$ + Ice
I. ZnAc+NaOH + Ice
J. Methanol

BOX #3
F- Filtered
U- Unfiltered

BOX #4
H- High
M- Medium
L- Low

BOX #5
C- CLP
T- TCLP
S - SW-846
W- CWA 600-series
O- Other _____

Sample ID	Date / Year 2010	Time	Box #1 Matrix	Box #2 Preservative	Box #3 Filtered / Unfiltered	Box #4 Expected Conc.	Box #5 Method	# of Bottles	Use for Lab QC (MS or DUP)	8 grams sample only CHECK MS/MSD	PARAMETERS	CCN	Remarks / Comments (see Notes 2 & 3)
BBG-SS31-0-1-10B	5/17	1225	5	E	V			1		/		800455	
BBG-SB73-9-10-10B	"	1500	"	"	"			"		/		800456	
BBG-SS32-0-1-10B	5/18	1100	"	"	"			"		/		800457	
BBG-SB32-2.5-3.5-10B	"	1110	"	"	"			"		/		800458	

5/20/10

79094 Page 2 of 4

Clients Special Instructions: this cooler 5/21/10 jls 1050

Temperature Ambient °C

Lab: Received in good condition? Y or N Describe any problems:

#1 Relenquished by:(sig) Jennifer Dove	Date: 5/20/10	#2 Relinquished by:(sig)	Date:	Relinquished by:(sig)	Date:
Company Name: Compuchem	Time: 1700	Company Name:	Time:	Company Name:	Time:
#1 Received by:(sig)	Date:	#2 Received by:(sig)	Date:	#2 Received by:(sig) jls	Date: 5/21/10
Company Name:	Time:	Company Name:	Time:	Company Name: CT LABS	Time: 1105

Note (1) If "N" lab should batch samples to await remainder of project - maximizing batch size and minimizing QC ratio; if "Y" lab should begin processing batches now.
Note (2) Samples should be stored 60 days after date report mailed at no extra charge.
Note (3) All lab copies of data should be retained for a minimum of 3 years.
Note (4) Please call point-of-contact to verify receipt of samples.

Revision 0 2-10-99

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Sample Condition Report

Folder #: 79094
Client: COMPUCHEM

Print Date / Time: 05/21/2010 11:05
Received Date / Time / By: 05/21/2010 1050 JLS

Project Name: CTO-094 MCB CAMP LEJ
Project #:

Log-In Date / Time / By: 05/21/2010 1105 JLS
PM: PML

Coolers: THEIRS
Custody Seals Present : **Y**

Temperature: AMBIENT C On Ice: **N**
COC Present:? **Y** Complete? **Y**

Seal Intact? **Y**
Ship Method: UPS
Adequate Packaging: **Y**

Numbers: DATED AND SIGNED
Tracking Number: 1ZA1R1110146082140
Temp Blank Enclosed? **N**

Notes: SAMPLES REC'D IN GOOD CONDITION. NO ICE PRESENT.
2 COMPUCHEM CUSTODY SEALS INTACT BOTH DATED 5-20-10 AND SIGNED BY J DOVER

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
800440 BBG-SB74-4-5-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
800446 BBG-SS75-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
800447 BBG-SB75-3.5-4.5-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
800448 BBG-SS63-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
800449 BBG-SB63-5.5-6.5-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
800450 BBG-SS61-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
800451 BBG-SB61-6-7-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
800452 BBG-SS33-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
800453 BBG-SB33-4-5-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
800454 BBG-SB31-5-6-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
800455 BBG-SS31-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
800456 BBG-SB73-9-10-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
800457 BBG-SS32-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
800458 BBG-SB32-2.5-3.5-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Condition Code	*Condition Description*
1	Sample Received OK

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ANALYTICAL RESULTS FOR:

CATHY DOVER
COMPUCHEM
501 MADISON AVE
CARY, NC 27513

PROJECT SITE: CAMP LEJEUNE MCB

DOD CONTRACT #: N62470-08-D-1000

TASK ORDER #: 0094

SDG: 79195

PREPARED: June 2, 2010

TOTAL # OF PAGES IN THIS DOCUMENT: 50

The data contained in the following report have been reviewed by the appropriate CTLaboratories' staff members. In addition, CTLaboratories certifies that to the best of our knowledge that the analyses reported herein are true, complete and correct within the limits of the methods employed and that they follow the applicable requirements as specified by the project plan, state-specific, NELAC or DOD QSM requirements. The estimated uncertainty of measurement is only available upon request. The reported results relate only to the tested samples. This report shall not be reproduced, except in full, without written approval of CTLaboratories.

APPROVED BY: _____
LABORATORY DIRECTOR

APPROVED BY: _____
QA OFFICER

APPROVED BY: _____
PROJECT MANAGER

Certifications: IL (NELAP 200046), KS (NELAP E-10368), KY (0023), PA (NELAP 68-04201), NJ (NELAP WI001), ND (R-171), WI (157066030), GA EDP Stipulation (Accreditor: ILNELAP, ACC#: 200465, Scope: Haz/solid water/Non-potable water, Effective : 11/19/2009, Expires: 09/30/2010)

Case Narrative

Client: CompuChem
Project: CTO-0094, Camp Lejeune MCB
Sample Receipt Date: 05/27/2010
SDG #: 79195

Twenty soil samples were received for Grain Size analysis. The assigned sample ID number, date sampled, and date received are indicated in the attached Project Summary. The samples were received intact and at a temperature within method specified acceptance limits. A breakdown of sample receipt information can be found on the Sample Condition Report located in the last section of the data package and any exceptions are noted below.

Sample Analysis and Quality Control

Grain Size Analysis:

The samples were analyzed using ASTM Method C136-84A. All samples were analyzed within the holding time. The following summaries of quality control procedures are included:

Analysis Run Log
Prep Log

All analysis results for this SDG met the method/project specified quality control criteria.

Analytical Run # 67196

Less than 100 g was used for sample # 803280 due to the limited amount of sample provided.

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INORGANICS
RAW DATA
DOCUMENTS

GRAIN SIZE SIEVE ANALYSIS

PAGE 1 **Run #:** 67196

ANALYSIS DATE/TIME:	5/29/2010	9:03	**INITIAL WEIGHT(g):**	191.71
ANALYST:	BMS			
SAMPLE ID#:	803276			

Sample 1	Weight of Soil in Pan (g)		% Passing
WEIGHT RETAINED ON #4	0.31	%PASSING#4	99.84
WEIGHT RETAINED ON #10	0.85	%PASSING#10	99.39
WEIGHT RETAINED ON #20	0.96	%PASSING#20	98.89
WEIGHT RETAINED ON #40	0.86	%PASSING#40	98.45
WEIGHT RETAINED ON #60	3.04	%PASSING#60	96.86
WEIGHT RETAINED ON #80	58.36	%PASSING#80	66.42
WEIGHT RETAINED ON #100	60.78	%PASSING#100	34.71
WEIGHT RETAINED ON #200	62.65	%PASSING#200	2.03
WEIGHT RETAINED ON #230	0.99	%PASSING#230	1.52

ANALYSIS DATE/TIME:	5/29/2010	9:13	**INITIAL WEIGHT(g):**	183.59
ANALYST:	BMS			
SAMPLE ID#:	803279			

Sample 2	Weight of Soil in Pan (g)		% Passing
WEIGHT RETAINED ON #4	0.04	%PASSING#4	99.98
WEIGHT RETAINED ON #10	0.17	%PASSING#10	99.89
WEIGHT RETAINED ON #20	0.15	%PASSING#20	99.80
WEIGHT RETAINED ON #40	0.38	%PASSING#40	99.60
WEIGHT RETAINED ON #60	5.89	%PASSING#60	96.39
WEIGHT RETAINED ON #80	44.65	%PASSING#80	72.07
WEIGHT RETAINED ON #100	50.38	%PASSING#100	44.63
WEIGHT RETAINED ON #200	79.61	%PASSING#200	1.26
WEIGHT RETAINED ON #230	0.95	%PASSING#230	0.75

ANALYSIS DATE/TIME:	5/29/2010	9:24	**INITIAL WEIGHT(g):**	94.21
ANALYST:	BMS			
SAMPLE ID#:	803280			

Sample 3	Weight of Soil in Pan (g)		% Passing
WEIGHT RETAINED ON #4	0.23	%PASSING#4	99.76
WEIGHT RETAINED ON #10	5.34	%PASSING#10	94.09
WEIGHT RETAINED ON #20	9.36	%PASSING#20	84.15
WEIGHT RETAINED ON #40	8.49	%PASSING#40	75.14
WEIGHT RETAINED ON #60	7.47	%PASSING#60	67.21
WEIGHT RETAINED ON #80	16.30	%PASSING#80	49.91
WEIGHT RETAINED ON #100	14.59	%PASSING#100	34.42
WEIGHT RETAINED ON #200	28.38	%PASSING#200	4.30
WEIGHT RETAINED ON #230	1.61	%PASSING#230	2.59

GRAIN SIZE SIEVE ANALYSIS

PAGE 2 **Run #:** 67196

ANALYSIS DATE/TIME:	5/29/2010	9:34	**INITIAL WEIGHT(g):**	167.83
ANALYST:	BMS			
SAMPLE ID#:	803281			

Sample 4	Weight of Soil in Pan (g)		% Passing
WEIGHT RETAINED ON #4	0.00	%PASSING#4	100.00
WEIGHT RETAINED ON #10	3.27	%PASSING#10	98.05
WEIGHT RETAINED ON #20	7.45	%PASSING#20	93.61
WEIGHT RETAINED ON #40	7.02	%PASSING#40	89.43
WEIGHT RETAINED ON #60	15.61	%PASSING#60	80.13
WEIGHT RETAINED ON #80	42.25	%PASSING#80	54.95
WEIGHT RETAINED ON #100	28.53	%PASSING#100	37.96
WEIGHT RETAINED ON #200	52.78	%PASSING#200	6.51
WEIGHT RETAINED ON #230	2.79	%PASSING#230	4.84

ANALYSIS DATE/TIME:	5/29/2010	9:44	**INITIAL WEIGHT(g):**	168.81
ANALYST:	BMS			
SAMPLE ID#:	803282			

Sample 5	Weight of Soil in Pan (g)		% Passing
WEIGHT RETAINED ON #4	0.00	%PASSING#4	100.00
WEIGHT RETAINED ON #10	23.28	%PASSING#10	86.21
WEIGHT RETAINED ON #20	25.31	%PASSING#20	71.22
WEIGHT RETAINED ON #40	12.90	%PASSING#40	63.57
WEIGHT RETAINED ON #60	13.35	%PASSING#60	55.67
WEIGHT RETAINED ON #80	22.54	%PASSING#80	42.31
WEIGHT RETAINED ON #100	10.35	%PASSING#100	36.18
WEIGHT RETAINED ON #200	38.43	%PASSING#200	13.42
WEIGHT RETAINED ON #230	6.80	%PASSING#230	9.39

ANALYSIS DATE/TIME:	5/29/2010	9:54	**INITIAL WEIGHT(g):**	159.25
ANALYST:	BMS			
SAMPLE ID#:	803283			

Sample 6	Weight of Soil in Pan (g)		% Passing
WEIGHT RETAINED ON #4	0.00	%PASSING#4	100.00
WEIGHT RETAINED ON #10	2.15	%PASSING#10	98.65
WEIGHT RETAINED ON #20	33.00	%PASSING#20	77.93
WEIGHT RETAINED ON #40	12.03	%PASSING#40	70.37
WEIGHT RETAINED ON #60	9.71	%PASSING#60	64.28
WEIGHT RETAINED ON #80	11.78	%PASSING#80	56.88
WEIGHT RETAINED ON #100	6.49	%PASSING#100	52.80
WEIGHT RETAINED ON #200	55.82	%PASSING#200	17.75
WEIGHT RETAINED ON #230	10.61	%PASSING#230	11.09

GRAIN SIZE SIEVE ANALYSIS

PAGE 3 **Run #:** 67196

ANALYSIS DATE/TIME:	5/29/2010	10:04	**INITIAL WEIGHT(g):**	187.31
ANALYST:	BMS			
SAMPLE ID#:	803284			

Sample 7	Weight of Soil in Pan (g)		% Passing
WEIGHT RETAINED ON #4	0.00	%PASSING#4	100.00
WEIGHT RETAINED ON #10	1.30	%PASSING#10	99.31
WEIGHT RETAINED ON #20	4.61	%PASSING#20	96.84
WEIGHT RETAINED ON #40	3.71	%PASSING#40	94.86
WEIGHT RETAINED ON #60	0.22	%PASSING#60	94.75
WEIGHT RETAINED ON #80	28.06	%PASSING#80	79.77
WEIGHT RETAINED ON #100	21.69	%PASSING#100	68.19
WEIGHT RETAINED ON #200	93.23	%PASSING#200	18.41
WEIGHT RETAINED ON #230	12.36	%PASSING#230	11.81

ANALYSIS DATE/TIME:	5/29/2010	10:14	**INITIAL WEIGHT(g):**	171.62
ANALYST:	BMS			
SAMPLE ID#:	803285			

Sample 8	Weight of Soil in Pan (g)		% Passing
WEIGHT RETAINED ON #4	0.00	%PASSING#4	100.00
WEIGHT RETAINED ON #10	8.58	%PASSING#10	95.00
WEIGHT RETAINED ON #20	18.57	%PASSING#20	84.18
WEIGHT RETAINED ON #40	10.37	%PASSING#40	78.14
WEIGHT RETAINED ON #60	9.69	%PASSING#60	72.49
WEIGHT RETAINED ON #80	14.35	%PASSING#80	64.13
WEIGHT RETAINED ON #100	13.00	%PASSING#100	56.56
WEIGHT RETAINED ON #200	77.50	%PASSING#200	11.40
WEIGHT RETAINED ON #230	8.34	%PASSING#230	6.54

ANALYSIS DATE/TIME:	5/29/2010	10:25	**INITIAL WEIGHT(g):**	170.83
ANALYST:	BMS			
SAMPLE ID#:	803286			

Sample 9	Weight of Soil in Pan (g)		% Passing
WEIGHT RETAINED ON #4	0.63	%PASSING#4	99.63
WEIGHT RETAINED ON #10	4.82	%PASSING#10	96.81
WEIGHT RETAINED ON #20	41.49	%PASSING#20	72.52
WEIGHT RETAINED ON #40	24.70	%PASSING#40	58.06
WEIGHT RETAINED ON #60	22.99	%PASSING#60	44.61
WEIGHT RETAINED ON #80	22.71	%PASSING#80	31.31
WEIGHT RETAINED ON #100	8.20	%PASSING#100	26.51
WEIGHT RETAINED ON #200	20.90	%PASSING#200	14.28
WEIGHT RETAINED ON #230	6.56	%PASSING#230	10.44

GRAIN SIZE SIEVE ANALYSIS

PAGE 4 **Run #:** 67196

ANALYSIS DATE/TIME:	5/29/2010	10:36	**INITIAL WEIGHT(g):**	145.45
ANALYST:	BMS			
SAMPLE ID#:	803287			

Sample 10	Weight of Soil in Pan (g)		% Passing
WEIGHT RETAINED ON #4	0.00	%PASSING#4	100.00
WEIGHT RETAINED ON #10	5.66	%PASSING#10	96.11
WEIGHT RETAINED ON #20	47.15	%PASSING#20	63.69
WEIGHT RETAINED ON #40	25.35	%PASSING#40	46.26
WEIGHT RETAINED ON #60	17.51	%PASSING#60	34.22
WEIGHT RETAINED ON #80	10.54	%PASSING#80	26.98
WEIGHT RETAINED ON #100	3.77	%PASSING#100	24.39
WEIGHT RETAINED ON #200	14.50	%PASSING#200	14.42
WEIGHT RETAINED ON #230	4.78	%PASSING#230	11.13

ANALYSIS DATE/TIME:	5/29/2010	10:46	**INITIAL WEIGHT(g):**	188.53
ANALYST:	BMS			
SAMPLE ID#:	803288			

Sample 11	Weight of Soil in Pan (g)		% Passing
WEIGHT RETAINED ON #4	0.08	%PASSING#4	99.96
WEIGHT RETAINED ON #10	4.72	%PASSING#10	97.45
WEIGHT RETAINED ON #20	6.24	%PASSING#20	94.14
WEIGHT RETAINED ON #40	9.91	%PASSING#40	88.89
WEIGHT RETAINED ON #60	11.76	%PASSING#60	82.65
WEIGHT RETAINED ON #80	48.41	%PASSING#80	56.97
WEIGHT RETAINED ON #100	21.06	%PASSING#100	45.80
WEIGHT RETAINED ON #200	53.04	%PASSING#200	17.67
WEIGHT RETAINED ON #230	4.21	%PASSING#230	15.44

ANALYSIS DATE/TIME:	5/29/2010	10:56	**INITIAL WEIGHT(g):**	153.90
ANALYST:	BMS			
SAMPLE ID#:	803289			

Sample 12	Weight of Soil in Pan (g)		% Passing
WEIGHT RETAINED ON #4	0.34	%PASSING#4	99.78
WEIGHT RETAINED ON #10	18.53	%PASSING#10	87.74
WEIGHT RETAINED ON #20	24.63	%PASSING#20	71.73
WEIGHT RETAINED ON #40	19.67	%PASSING#40	58.95
WEIGHT RETAINED ON #60	34.90	%PASSING#60	36.28
WEIGHT RETAINED ON #80	15.42	%PASSING#80	26.26
WEIGHT RETAINED ON #100	4.94	%PASSING#100	23.05
WEIGHT RETAINED ON #200	19.13	%PASSING#200	10.62
WEIGHT RETAINED ON #230	5.10	%PASSING#230	7.30

GRAIN SIZE SIEVE ANALYSIS

PAGE 5 **Run #:** 67196

ANALYSIS DATE/TIME:	5/29/2010	11:06	**INITIAL WEIGHT(g):**	144.86
ANALYST:	BMS			
SAMPLE ID#:	803290			

Sample 13	Weight of Soil in Pan (g)		% Passing
WEIGHT RETAINED ON #4	0.04	%PASSING#4	99.97
WEIGHT RETAINED ON #10	21.04	%PASSING#10	85.45
WEIGHT RETAINED ON #20	20.85	%PASSING#20	71.05
WEIGHT RETAINED ON #40	16.41	%PASSING#40	59.73
WEIGHT RETAINED ON #60	13.61	%PASSING#60	50.33
WEIGHT RETAINED ON #80	13.51	%PASSING#80	41.01
WEIGHT RETAINED ON #100	10.24	%PASSING#100	33.94
WEIGHT RETAINED ON #200	33.76	%PASSING#200	10.63
WEIGHT RETAINED ON #230	4.66	%PASSING#230	7.41

ANALYSIS DATE/TIME:	5/29/2010	11:16	**INITIAL WEIGHT(g):**	145.96
ANALYST:	BMS			
SAMPLE ID#:	803291			

Sample 14	Weight of Soil in Pan (g)		% Passing
WEIGHT RETAINED ON #4	0.00	%PASSING#4	100.00
WEIGHT RETAINED ON #10	13.77	%PASSING#10	90.57
WEIGHT RETAINED ON #20	27.88	%PASSING#20	71.46
WEIGHT RETAINED ON #40	15.15	%PASSING#40	61.09
WEIGHT RETAINED ON #60	10.76	%PASSING#60	53.71
WEIGHT RETAINED ON #80	11.69	%PASSING#80	45.70
WEIGHT RETAINED ON #100	11.56	%PASSING#100	37.78
WEIGHT RETAINED ON #200	40.51	%PASSING#200	10.03
WEIGHT RETAINED ON #230	4.08	%PASSING#230	7.23

ANALYSIS DATE/TIME:	5/29/2010	11:26	**INITIAL WEIGHT(g):**	177.92
ANALYST:	BMS			
SAMPLE ID#:	803292			

Sample 15	Weight of Soil in Pan (g)		% Passing
WEIGHT RETAINED ON #4	0.00	%PASSING#4	100.00
WEIGHT RETAINED ON #10	19.51	%PASSING#10	89.03
WEIGHT RETAINED ON #20	23.11	%PASSING#20	76.05
WEIGHT RETAINED ON #40	14.07	%PASSING#40	68.14
WEIGHT RETAINED ON #60	9.09	%PASSING#60	63.03
WEIGHT RETAINED ON #80	20.55	%PASSING#80	51.48
WEIGHT RETAINED ON #100	12.83	%PASSING#100	44.27
WEIGHT RETAINED ON #200	52.21	%PASSING#200	14.92
WEIGHT RETAINED ON #230	8.31	%PASSING#230	10.25

GRAIN SIZE SIEVE ANALYSIS

PAGE 6 **Run #:** 67196

ANALYSIS DATE/TIME:	5/31/2010	10:30	**INITIAL WEIGHT(g):**	177.23
ANALYST:	BMS			
SAMPLE ID#:	803293			
Sample 16	Weight of Soil in Pan (g)			% Passing
WEIGHT RETAINED ON #4	0.00		%PASSING#4	100.00
WEIGHT RETAINED ON #10	6.53		%PASSING#10	96.32
WEIGHT RETAINED ON #20	14.69		%PASSING#20	88.03
WEIGHT RETAINED ON #40	11.47		%PASSING#40	81.56
WEIGHT RETAINED ON #60	12.89		%PASSING#60	74.28
WEIGHT RETAINED ON #80	22.78		%PASSING#80	61.43
WEIGHT RETAINED ON #100	16.39		%PASSING#100	52.18
WEIGHT RETAINED ON #200	65.82		%PASSING#200	15.04
WEIGHT RETAINED ON #230	9.77		%PASSING#230	9.53

ANALYSIS DATE/TIME:	5/31/2010	10:40	**INITIAL WEIGHT(g):**	140.13
ANALYST:	BMS			
SAMPLE ID#:	803294			
Sample 17	Weight of Soil in Pan (g)			% Passing
WEIGHT RETAINED ON #4	2.26		%PASSING#4	98.39
WEIGHT RETAINED ON #10	12.37		%PASSING#10	89.56
WEIGHT RETAINED ON #20	12.18		%PASSING#20	80.87
WEIGHT RETAINED ON #40	8.17		%PASSING#40	75.04
WEIGHT RETAINED ON #60	13.55		%PASSING#60	65.37
WEIGHT RETAINED ON #80	21.88		%PASSING#80	49.75
WEIGHT RETAINED ON #100	14.34		%PASSING#100	39.52
WEIGHT RETAINED ON #200	43.65		%PASSING#200	8.37
WEIGHT RETAINED ON #230	3.93		%PASSING#230	5.57

ANALYSIS DATE/TIME:	5/31/2010	10:50	**INITIAL WEIGHT(g):**	188.52
ANALYST:	BMS			
SAMPLE ID#:	803295			
Sample 18	Weight of Soil in Pan (g)			% Passing
WEIGHT RETAINED ON #4	0.45		%PASSING#4	99.76
WEIGHT RETAINED ON #10	0.73		%PASSING#10	99.37
WEIGHT RETAINED ON #20	1.69		%PASSING#20	98.48
WEIGHT RETAINED ON #40	1.25		%PASSING#40	97.81
WEIGHT RETAINED ON #60	0.12		%PASSING#60	97.75
WEIGHT RETAINED ON #80	79.02		%PASSING#80	55.83
WEIGHT RETAINED ON #100	52.89		%PASSING#100	27.78
WEIGHT RETAINED ON #200	45.34		%PASSING#200	3.73
WEIGHT RETAINED ON #230	1.80		%PASSING#230	2.77

GRAIN SIZE SIEVE ANALYSIS

PAGE 7 **Run #:** 67196

ANALYSIS DATE/TIME:	5/31/2010	11:00	**INITIAL WEIGHT(g):**	166.61
ANALYST:	BMS			
SAMPLE ID#:	803296			

Sample 19	Weight of Soil in Pan (g)		% Passing
WEIGHT RETAINED ON #4	0.00	%PASSING#4	100.00
WEIGHT RETAINED ON #10	0.40	%PASSING#10	99.76
WEIGHT RETAINED ON #20	1.59	%PASSING#20	98.81
WEIGHT RETAINED ON #40	0.99	%PASSING#40	98.21
WEIGHT RETAINED ON #60	3.02	%PASSING#60	96.40
WEIGHT RETAINED ON #80	50.79	%PASSING#80	65.91
WEIGHT RETAINED ON #100	50.44	%PASSING#100	35.64
WEIGHT RETAINED ON #200	54.60	%PASSING#200	2.87
WEIGHT RETAINED ON #230	1.11	%PASSING#230	2.20

ANALYSIS DATE/TIME:	5/31/2010	11:11	**INITIAL WEIGHT(g):**	184.15
ANALYST:	BMS			
SAMPLE ID#:	803297			

Sample 20	Weight of Soil in Pan (g)		% Passing
WEIGHT RETAINED ON #4	0.03	%PASSING#4	99.98
WEIGHT RETAINED ON #10	2.28	%PASSING#10	98.75
WEIGHT RETAINED ON #20	2.54	%PASSING#20	97.37
WEIGHT RETAINED ON #40	1.98	%PASSING#40	96.29
WEIGHT RETAINED ON #60	4.10	%PASSING#60	94.06
WEIGHT RETAINED ON #80	50.75	%PASSING#80	66.51
WEIGHT RETAINED ON #100	38.47	%PASSING#100	45.61
WEIGHT RETAINED ON #200	55.01	%PASSING#200	15.74
WEIGHT RETAINED ON #230	8.94	%PASSING#230	10.89

INORGANICS
LOGBOOK
DOCUMENTS

S GRAIN SIZE ANALYSI Analytical Run
67196 on 6/2/2010

Date Analyzed: _____ Date Reviewed: _____

Date Entered: _____ Date Validated: _____

COC	ORDER	SAMPLE DECRIPTION	SAMPLE DATE/ TIME	QC TYPE (Parent Sample)	CLIENT	PROJECT	TEST	PREP BATCH	MATRIX	DEL	RUSH
79195	803284		5/19/2010 0835		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	4	Y
79195	803285	BBG-SS72-0-1-10B	5/19/2010 0845		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	4	Y
79195	803286	BBG-SB72-2-3-10B	5/19/2010 0910		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	4	Y
79195	803287	BBG-SS88-0-1-10B	5/19/2010 0925		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	4	Y
79195	803288	BBG-SB88-2.5-3.5-10B	5/19/2010 0955		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	4	Y
79195	803289	BBG-SS76-0-1-10B	5/19/2010 1045		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	4	Y
79195	803290	BBG-SB76-6-7-10B	5/19/2010 1145		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	4	Y
79195	803291	BBG-SS87-0-1-10B	5/19/2010 1155		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	4	Y
79195	803292	BBG-SB87-3-4-10B	5/19/2010 1245		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	4	Y
79195	803276	BBG-SS12-0-1-10B	5/18/2010 1600		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	4	Y
79195	803279	BBG-SS81-0-1-10B	5/18/2010 1620		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	4	Y
79195	803280	BBG-SB81-5-6-10B	5/18/2010 1700		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	4	Y
79195	803281	BBG-SS67-0-1-10B	5/18/2010 1750		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	4	Y
79195	803282	BBG-SB50-1-2-10B	5/19/2010 0735		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	4	Y
79195	803283	BBG-SS71-0-1-10B	5/19/2010 0755		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	4	Y
		BBG-SB71-4-5-10B									

Matrix: S-Soil Slg-Sludge GW-GroundWater M-Misc Waste SW-Surface Water A-Air WW-WasteWater DW-Drinking Water SD=Sediment Leachate=LE

S GRAIN SIZE ANALYSI Analytical Run
67196 on 6/2/2010

Date Analyzed: _____ Date Reviewed: _____

Date Entered: _____ Date Validated: _____

COC	ORDER	SAMPLE DECRIPTION	SAMPLE DATE/ TIME	QC TYPE (Parent Sample)	CLIENT	PROJECT	TEST	PREP BATCH	MATRIX	DEL	RUSH
79195	803293	BBG-SB12-2-3-10B	5/19/2010 1255		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	**4**	Y
79195	803294	BBG-SS51-0-1-10B	5/19/2010 1630		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	**4**	Y
79195	803295	BBG-SS90-0-1-10B	5/19/2010 1455		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	**4**	Y
79195	803296	BBG-SB90-2-3-10B	5/19/2010 1500		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	**4**	Y
79195	803297	BBG-SS44-0-1-10B	5/20/2010 0810		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	**4**	Y

20 SAMPLE COUNT ON RUN, INCLUDING METHOD AND INSTRUMENT QC

Matrix: S-Soil Slg-Sludge GW-GroundWater M-Misc Waste SW-Surface Water A-Air WW-WasteWater DW-Drinking Water SD=Sediment Leachate=LE

LIMS #: 67196	Method: Grain Size			
Analysis Date	Analyst / Data Interpreter	Independent Reviewer	Date of Review	Approved
05/29/10, 05/31/10	BMS	[signature]	06-1-10	Yes ... No

Instructions: Complete one checklist per *analytical run.* Enter the appropriate response for each question. Each "No" response requires an explanation in the Comments section, and may require the initiation of a Nonconformance Report.

Requirement:	Acceptance Criteria	Analyst Review		Independent Review		Comments: (indicate reference to an attachment if necessary)
		Yes	No	Yes	No	
1. Was enough sample provided to perform analysis?	Minimum of 100-150 g of dried sample.		✓		✓	803280 < 100g
2. Are all samples on the job lists accounted for?	---	✓		✓		

CHAIN OF CUSTODY,
PM CONFIRMATION
AND
SAMPLE CONDITION FORMS
DOCUMENTS

"SDG 5" Pg 2 of 2 S 13552

SUBCONTRACT CHAIN-OF-CUSTODY RECORD

COMPUCHEM
a division of Liberty Analytical Corp.

501 Madison Avenue
Cary, NC 27513
1-800-833-5097

Project Name: CTO-094 MCB CAMP LEJEUNE
TAT: 7 calendar days
Report style: level II
Disk requirement: SNEDD

Samples shipped to: CT LABS
Contact: Pat Letterer
Address:
see pg 1 of 2
Phone: ( )

CompuChem point-of-contact: (4) CATHY DOVER
Phone: (919) 379-4100 x4089
Fax: (919) 379-4070
Sampling complete? Y or N (see Note 1)
Project-specific (PS) or Batch (B) QC? per method

BOX #1 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil / Sediment / Sludge 6. Trip Blank 7. Oil 8. Waste 9. Other _____

BOX #2 A. HCl + Ice B. HNO_3 + Ice C. NaOH + Ice D. H_2SO_4 + Ice E. Unpreserved F. Ice Only G. Other _____ H. $NaHSO_4$ + Ice I. ZnAc+NaOH + Ice J. Methanol

BOX #3 F- Filtered U- Unfiltered

BOX #4 H- High M- Medium L- Low

BOX #5 C- CLP T- TCLP S - SW-846 W- CWA 600-series O- Other _____

Sample ID	Date / Year 2010	Time	Box #1 Matrix	Box #2 Preservative	Box #3 Filtered / Unfiltered	Box #4 Expected Conc.	Box #5 Method	# of Bottles	Use for Lab QC (MS or DUP)	PARAMETERS: grain size (sieve only) ASTM D422	CCN	Remarks / Comments (see Notes 2 & 3)
BBG-SS76-0-1-10B	5/19	0935	5	E	U			1		✓	803288	
BBG-SB76-6-7-10B		1045								✓	803289	
BBG-SS87-0-1-10B		1145								✓	803290	
BBG-SB87-3-4-10B		1155								✓	803291	
BBG-SS12-0-1-10B		1245								✓	803292	
BBG-SB12-2-3-10B		1255								✓	803293	
BBG-SS51-0-1-10B		1630								✓	803294	
BBG-SS90-0-1-10B		1455								✓	803295	
BBG-SB90-2-3-10B		1500								✓	803296	
BBG-SS44-0-1-10B	5/20	0810								✓	803297	

Clients Special Instructions:

Temperature _____ °C

Lab: Received in good condition? Y or N **Describe any problems:**

#1 Relenquished by:(sig) Cathy Dover	Date: 5/26/10	#2 Relinquished by:(sig)	Date:	Relinquished by:(sig)	Date:
Company Name: CompuChem	Time: 1925	Company Name:	Time:	Company Name:	Time:
#1 Received by:(sig)	Date:	#2 Received by:(sig)	Date:	#2 Received by:(sig)	Date: 5/27/10
Company Name:	Time:	Company Name:	Time:	Company Name: CT Labs	Time: 1233

Note (1) If "N" lab should batch samples to await remainder of project - maximizing batch size and minimizing QC ratio; if "Y" lab should begin processing batches now.
Note (2) Samples should be stored 60 days after date report mailed at no extra charge.
Note (3) All lab copies of data should be retained for a minimum of 3 years.
Note (4) Please call point-of-contact to verify receipt of samples.

No ice Ambient
5/27/10 1200 jb

Revision 0 2-10-99

Folder #: 79195

PM LOGIN CONFIRMATION

********RUSH PROJECT********
ANALYSIS DUE 6/2/2010

Company: COMPUCHEM **Contract #:** 2186 **Project:** CTO-094 MCB CAMP LEJ **Proj #:**

PO Number: **Invoice #:** 79291 **Project Manager:** *PML*

Date Received: 05/27/10 **Log Date:** 5/27/2010 **Projected Sample Disposal Date:** 4 **days from receipt date**

Report To: CATHY DOVER CC:
501 MADISON AVENUE

CARY, NC 27513
Phone: 919-379-4089: Fax: 919-379-4040
Rep. E-Mail cdover@compuchemlabs.com

Collected By:
Collector's Phone: 919-379-4089

Invoice To :ROBERT GATES CC:
501 MADISON AVENUE

CARY, NC 27513
Phone: 919-379-4003 Fax:
EMail: robg@compuchemlabs.com

Arrival Temperature: oC

SAMPLE #: 803276 DESCR: BBG-SS81-0-1-10B MATRIX: SOIL SAMPLED: 5/18/2010 Time: 1600 CLIENT SAMPLE #:

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/14/2010	6/2/2010	*Y*	Logged

SAMPLE #: 803279 DESCR: BBG-SB81-5-6-10B MATRIX: SOIL SAMPLED: 5/18/2010 Time: 1620 CLIENT SAMPLE #:

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/14/2010	6/2/2010	*Y*	Logged

SAMPLE #: 803280 DESCR: BBG-SS67-0-1-10B MATRIX: SOIL SAMPLED: 5/18/2010 Time: 1700 CLIENT SAMPLE #:

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/14/2010	6/2/2010	*Y*	Logged

SAMPLE #: 803281 DESCR: BBG-SB50-1-2-10B MATRIX: SOIL SAMPLED: 5/18/2010 Time: 1750 CLIENT SAMPLE #:

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/14/2010	6/2/2010	*Y*	Logged

Folder #: 79195 **Company:** *COMPUCHEM* **Project:** CTO-094 MCB CAMP LEJ

SAMPLE #: 803282 **DESCR:** BBG-SS71-0-1-10B **MATRIX:** SOIL **SAMPLED:** 5/19/2010 **Time:** 0735 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/15/2010	6/2/2010	*Y*	Logged

SAMPLE #: 803283 **DESCR:** BBG-SB71-4-5-10B **MATRIX:** SOIL **SAMPLED:** 5/19/2010 **Time:** 0755 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/15/2010	6/2/2010	*Y*	Logged

SAMPLE #: 803284 **DESCR:** BBG-SS72-0-1-10B **MATRIX:** SOIL **SAMPLED:** 5/19/2010 **Time:** 0835 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/15/2010	6/2/2010	*Y*	Logged

SAMPLE #: 803285 **DESCR:** BBG-SB72-2-3-10B **MATRIX:** SOIL **SAMPLED:** 5/19/2010 **Time:** 0845 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/15/2010	6/2/2010	*Y*	Logged

SAMPLE #: 803286 **DESCR:** BBG-SS88-0-1-10B **MATRIX:** SOIL **SAMPLED:** 5/19/2010 **Time:** 0910 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/15/2010	6/2/2010	*Y*	Logged

SAMPLE #: 803287 **DESCR:** BBG-SB88-2.5-3.5-10B **MATRIX:** SOIL **SAMPLED:** 5/19/2010 **Time:** 0925 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/15/2010	6/2/2010	*Y*	Logged

SAMPLE #: 803288 **DESCR:** BBG-SS76-0-1-10B **MATRIX:** SOIL **SAMPLED:** 5/19/2010 **Time:** 0955 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/15/2010	6/2/2010	*Y*	Logged

Folder #: 79195 **Company:** *COMPUCHEM* **Project:** CTO-094 MCB CAMP LEJ

SAMPLE #: 803289 **DESCR:** BBG-SB76-6-7-10B **MATRIX:** SOIL **SAMPLED:** 5/19/2010 **Time:** 1045 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/15/2010	6/2/2010	*Y*	Logged

SAMPLE #: 803290 **DESCR:** BBG-SS87-0-1-10B **MATRIX:** SOIL **SAMPLED:** 5/19/2010 **Time:** 1145 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/15/2010	6/2/2010	*Y*	Logged

SAMPLE #: 803291 **DESCR:** BBG-SB87-3-4-10B **MATRIX:** SOIL **SAMPLED:** 5/19/2010 **Time:** 1155 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/15/2010	6/2/2010	*Y*	Logged

SAMPLE #: 803292 **DESCR:** BBG-SS12-0-1-10B **MATRIX:** SOIL **SAMPLED:** 5/19/2010 **Time:** 1245 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/15/2010	6/2/2010	*Y*	Logged

SAMPLE #: 803293 **DESCR:** BBG-SB12-2-3-10B **MATRIX:** SOIL **SAMPLED:** 5/19/2010 **Time:** 1255 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/15/2010	6/2/2010	*Y*	Logged

SAMPLE #: 803294 **DESCR:** BBG-SS51-0-1-10B **MATRIX:** SOIL **SAMPLED:** 5/19/2010 **Time:** 1630 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/15/2010	6/2/2010	*Y*	Logged

SAMPLE #: 803295 **DESCR:** BBG-SS90-0-1-10B **MATRIX:** SOIL **SAMPLED:** 5/19/2010 **Time:** 1455 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/15/2010	6/2/2010	*Y*	Logged

Folder #: 79195 **Company:** *COMPUCHEM* **Project:** CTO-094 MCB CAMP LEJ

SAMPLE #: 803296 **DESCR:** BBG-SB90-2-3-10B **MATRIX:** SOIL **SAMPLED:** 5/19/2010 **Time:** 1500 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/15/2010	6/2/2010	*Y*	Logged

SAMPLE #: 803297 **DESCR:** BBG-SS44-0-1-10B **MATRIX:** SOIL **SAMPLED:** 5/20/2010 **Time:** 0810 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/16/2010	6/2/2010	*Y*	Logged

Invoice Details

Invoice: *79291* **Amount:** $ 1,000.00

Item	Quantity	Matrix	Surcharge	Unit Price
GRAIN SIZE ANALYSI	20	SOIL		**50.00**

Bottle Information

Container	# Containers	Tests
SOLIDS	**20**	%SOL,GSA

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Sample Condition Report

Folder #: 79195
Client: COMPUCHEM

Print Date / Time: 05/27/2010 12:33
Received Date / Time / By: 05/27/2010 1200 JLS

Project Name: CTO-094 MCB CAMP LEJ
Project #:

Log-In Date / Time / By: 05/27/2010 1233 JLS
PM: PML

Coolers: TEST AMERICA COOLER
Custody Seals Present : **Y**

Temperature: AMBIENT C On Ice: **N**
COC Present:? **Y** Complete? **Y**

Seal Intact?
Ship Method: UPS
Adequate Packaging: **Y**

Numbers: DATED AND SIGNED
Tracking Number: 1ZA1R1110147709980
Temp Blank Enclosed? **Y**

Notes: SAMPLES REC'D IN GOOD CONDITION
NO ICE PRESENT. NO TEMP BLANK. 1 CUSTODY SEAL INTACT DATED 5/26/10 AND SIGNED

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
803276 BBG-SS81-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803279 BBG-SB81-5-6-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803280 BBG-SS67-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803281 BBG-SB50-1-2-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803282 BBG-SS71-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803283 BBG-SB71-4-5-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
803284 BBG-SS72-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803285 BBG-SB72-2-3-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803286 BBG-SS88-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803287 BBG-SB88-2.5-3.5-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803288 BBG-SS76-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803289 BBG-SB76-6-7-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803290 BBG-SS87-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803291 BBG-SB87-3-4-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803292 BBG-SS12-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
803293 BBG-SB12-2-3-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803294 BBG-SS51-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803295 BBG-SS90-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803296 BBG-SB90-2-3-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803297 BBG-SS44-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Condition Code	*Condition Description*
1	Sample Received OK

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ANALYTICAL REPORT

This report at a minimum contains the following information:

- Analytical Report of Test Results
- Description of QC Qualifiers
- Chain of Custody (copy)
- Sample Condition Report
- Quality Control Summary
- Case Narrative (if applicable)
- Correspondence with Client (if applicable)

For analyses that require NELAP accreditation, all analytes, by matrix and method, are accredited following current NELAP standards unless specifically noted in this document.

1230 Lange Court • Baraboo, WI 53913 • 608-356-2760 • www.ctlaboratories.com

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ANALYTICAL REPORT

COMPUCHEM
CATHY DOVER
501 MADISON AVENUE
CARY, NC 27513

Project Name: CTO-094 MCB CAMP LEJ
Contract #: 2186
Project #:
Folder #: 79195
Purchase Order #:

Arrival Temperature: See COC
Report Date: 6/1/2010
Date Received: 5/27/2010
Reprint Date: 6/2/2010

CT LAB#: 803276 Sample Description: BBG-SS81-0-1-10B Sampled: 5/18/2010 1600

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	99.4	%Passing	0.10	0.10	0.10	1			05/29/2010	9:03	BMS	ASTM C136-84A
#100 Sieve	34.7	%Passing	0.10	0.10	0.10	1			05/29/2010	9:03	BMS	ASTM C136-84A
#20 Sieve	98.9	%Passing	0.10	0.10	0.10	1			05/29/2010	9:03	BMS	ASTM C136-84A
#200 Sieve	2.0	%Passing	0.10	0.10	0.10	1			05/29/2010	9:03	BMS	ASTM C136-84A
#230 Sieve	1.5	%Passing	0.10	0.10	0.10	1			05/29/2010	9:03	BMS	ASTM C136-84A
#4 Sieve	99.8	%Passing	0.10	0.10	0.10	1			05/29/2010	9:03	BMS	ASTM C136-84A
#40 Sieve	98.5	%Passing	0.10	0.10	0.10	1			05/29/2010	9:03	BMS	ASTM C136-84A
#60 Sieve	96.9	%Passing	0.10	0.10	0.10	1			05/29/2010	9:03	BMS	ASTM C136-84A
#80 Sieve	66.4	%Passing	0.10	0.10	0.10	1			05/29/2010	9:03	BMS	ASTM C136-84A

CT LAB#: 803279 Sample Description: BBG-SB81-5-6-10B Sampled: 5/18/2010 1620

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	99.9	%Passing	0.10	0.10	0.10	1			05/29/2010	9:13	BMS	ASTM C136-84A
#100 Sieve	44.6	%Passing	0.10	0.10	0.10	1			05/29/2010	9:13	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 803279 Sample Description: BBG-SB81-5-6-10B Sampled: 5/18/2010 1620

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
#20 Sieve	99.8	%Passing	0.10	0.10	0.10	1			05/29/2010	9:13	BMS	ASTM C136-84A
#200 Sieve	1.3	%Passing	0.10	0.10	0.10	1			05/29/2010	9:13	BMS	ASTM C136-84A
#230 Sieve	0.75	%Passing	0.10	0.10	0.10	1			05/29/2010	9:13	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	0.10	0.10	0.10	1			05/29/2010	9:13	BMS	ASTM C136-84A
#40 Sieve	99.6	%Passing	0.10	0.10	0.10	1			05/29/2010	9:13	BMS	ASTM C136-84A
#60 Sieve	96.4	%Passing	0.10	0.10	0.10	1			05/29/2010	9:13	BMS	ASTM C136-84A
#80 Sieve	72.1	%Passing	0.10	0.10	0.10	1			05/29/2010	9:13	BMS	ASTM C136-84A

CT LAB#: 803280 Sample Description: BBG-SS67-0-1-10B Sampled: 5/18/2010 1700

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	94.1	%Passing	0.10	0.10	0.10	1			05/29/2010	9:24	BMS	ASTM C136-84A
#100 Sieve	34.4	%Passing	0.10	0.10	0.10	1			05/29/2010	9:24	BMS	ASTM C136-84A
#20 Sieve	84.2	%Passing	0.10	0.10	0.10	1			05/29/2010	9:24	BMS	ASTM C136-84A
#200 Sieve	4.3	%Passing	0.10	0.10	0.10	1			05/29/2010	9:24	BMS	ASTM C136-84A
#230 Sieve	2.6	%Passing	0.10	0.10	0.10	1			05/29/2010	9:24	BMS	ASTM C136-84A
#4 Sieve	99.8	%Passing	0.10	0.10	0.10	1			05/29/2010	9:24	BMS	ASTM C136-84A
#40 Sieve	75.1	%Passing	0.10	0.10	0.10	1			05/29/2010	9:24	BMS	ASTM C136-84A
#60 Sieve	67.2	%Passing	0.10	0.10	0.10	1			05/29/2010	9:24	BMS	ASTM C136-84A
#80 Sieve	49.9	%Passing	0.10	0.10	0.10	1			05/29/2010	9:24	BMS	ASTM C136-84A

CT LAB#: 803281 Sample Description: BBG-SB50-1-2-10B Sampled: 5/18/2010 1750

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	98.1	%Passing	0.10	0.10	0.10	1			05/29/2010	9:34	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 803281 Sample Description: BBG-SB50-1-2-10B Sampled: 5/18/2010 1750

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
#100 Sieve	38.0	%Passing	0.10	0.10	0.10	1			05/29/2010	9:34	BMS	ASTM C136-84A
#20 Sieve	93.6	%Passing	0.10	0.10	0.10	1			05/29/2010	9:34	BMS	ASTM C136-84A
#200 Sieve	6.5	%Passing	0.10	0.10	0.10	1			05/29/2010	9:34	BMS	ASTM C136-84A
#230 Sieve	4.8	%Passing	0.10	0.10	0.10	1			05/29/2010	9:34	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	0.10	0.10	0.10	1			05/29/2010	9:34	BMS	ASTM C136-84A
#40 Sieve	89.4	%Passing	0.10	0.10	0.10	1			05/29/2010	9:34	BMS	ASTM C136-84A
#60 Sieve	80.1	%Passing	0.10	0.10	0.10	1			05/29/2010	9:34	BMS	ASTM C136-84A
#80 Sieve	55.0	%Passing	0.10	0.10	0.10	1			05/29/2010	9:34	BMS	ASTM C136-84A

CT LAB#: 803282 Sample Description: BBG-SS71-0-1-10B Sampled: 5/19/2010 0735

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	86.2	%Passing	0.10	0.10	0.10	1			05/29/2010	9:44	BMS	ASTM C136-84A
#100 Sieve	36.2	%Passing	0.10	0.10	0.10	1			05/29/2010	9:44	BMS	ASTM C136-84A
#20 Sieve	71.2	%Passing	0.10	0.10	0.10	1			05/29/2010	9:44	BMS	ASTM C136-84A
#200 Sieve	13.4	%Passing	0.10	0.10	0.10	1			05/29/2010	9:44	BMS	ASTM C136-84A
#230 Sieve	9.4	%Passing	0.10	0.10	0.10	1			05/29/2010	9:44	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	0.10	0.10	0.10	1			05/29/2010	9:44	BMS	ASTM C136-84A
#40 Sieve	63.6	%Passing	0.10	0.10	0.10	1			05/29/2010	9:44	BMS	ASTM C136-84A
#60 Sieve	55.7	%Passing	0.10	0.10	0.10	1			05/29/2010	9:44	BMS	ASTM C136-84A
#80 Sieve	42.3	%Passing	0.10	0.10	0.10	1			05/29/2010	9:44	BMS	ASTM C136-84A

CT LAB#: 803283 Sample Description: BBG-SB71-4-5-10B Sampled: 5/19/2010 0755

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												

Solid sample results reported on a Dry Weight Basis

CT LAB#: 803283 Sample Description: BBG-SB71-4-5-10B Sampled: 5/19/2010 0755

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
#10 Sieve	98.7	%Passing	0.10	0.10	0.10	1			05/29/2010 9:54	BMS	ASTM C136-84A
#100 Sieve	52.8	%Passing	0.10	0.10	0.10	1			05/29/2010 9:54	BMS	ASTM C136-84A
#20 Sieve	77.9	%Passing	0.10	0.10	0.10	1			05/29/2010 9:54	BMS	ASTM C136-84A
#200 Sieve	17.8	%Passing	0.10	0.10	0.10	1			05/29/2010 9:54	BMS	ASTM C136-84A
#230 Sieve	11.1	%Passing	0.10	0.10	0.10	1			05/29/2010 9:54	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	0.10	0.10	0.10	1			05/29/2010 9:54	BMS	ASTM C136-84A
#40 Sieve	70.4	%Passing	0.10	0.10	0.10	1			05/29/2010 9:54	BMS	ASTM C136-84A
#60 Sieve	64.3	%Passing	0.10	0.10	0.10	1			05/29/2010 9:54	BMS	ASTM C136-84A
#80 Sieve	56.9	%Passing	0.10	0.10	0.10	1			05/29/2010 9:54	BMS	ASTM C136-84A

CT LAB#: 803284 Sample Description: BBG-SS72-0-1-10B Sampled: 5/19/2010 0835

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	99.3	%Passing	0.10	0.10	0.10	1			05/29/2010 10:04	BMS	ASTM C136-84A
#100 Sieve	68.2	%Passing	0.10	0.10	0.10	1			05/29/2010 10:04	BMS	ASTM C136-84A
#20 Sieve	96.8	%Passing	0.10	0.10	0.10	1			05/29/2010 10:04	BMS	ASTM C136-84A
#200 Sieve	18.4	%Passing	0.10	0.10	0.10	1			05/29/2010 10:04	BMS	ASTM C136-84A
#230 Sieve	11.8	%Passing	0.10	0.10	0.10	1			05/29/2010 10:04	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	0.10	0.10	0.10	1			05/29/2010 10:04	BMS	ASTM C136-84A
#40 Sieve	94.9	%Passing	0.10	0.10	0.10	1			05/29/2010 10:04	BMS	ASTM C136-84A
#60 Sieve	94.8	%Passing	0.10	0.10	0.10	1			05/29/2010 10:04	BMS	ASTM C136-84A
#80 Sieve	79.8	%Passing	0.10	0.10	0.10	1			05/29/2010 10:04	BMS	ASTM C136-84A

CT LAB#: 803285 Sample Description: BBG-SB72-2-3-10B Sampled: 5/19/2010 0845

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method

Solid sample results reported on a Dry Weight Basis

CT LAB#: 803285 Sample Description: BBG-SB72-2-3-10B Sampled: 5/19/2010 0845

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	95.0	%Passing	0.10	0.10	0.10	1			05/29/2010 10:14	BMS	ASTM C136-84A
#100 Sieve	56.6	%Passing	0.10	0.10	0.10	1			05/29/2010 10:14	BMS	ASTM C136-84A
#20 Sieve	84.2	%Passing	0.10	0.10	0.10	1			05/29/2010 10:14	BMS	ASTM C136-84A
#200 Sieve	11.4	%Passing	0.10	0.10	0.10	1			05/29/2010 10:14	BMS	ASTM C136-84A
#230 Sieve	6.5	%Passing	0.10	0.10	0.10	1			05/29/2010 10:14	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	0.10	0.10	0.10	1			05/29/2010 10:14	BMS	ASTM C136-84A
#40 Sieve	78.1	%Passing	0.10	0.10	0.10	1			05/29/2010 10:14	BMS	ASTM C136-84A
#60 Sieve	72.5	%Passing	0.10	0.10	0.10	1			05/29/2010 10:14	BMS	ASTM C136-84A
#80 Sieve	64.1	%Passing	0.10	0.10	0.10	1			05/29/2010 10:14	BMS	ASTM C136-84A

CT LAB#: 803286 Sample Description: BBG-SS88-0-1-10B Sampled: 5/19/2010 0910

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	96.8	%Passing	0.10	0.10	0.10	1			05/29/2010 10:25	BMS	ASTM C136-84A
#100 Sieve	26.5	%Passing	0.10	0.10	0.10	1			05/29/2010 10:25	BMS	ASTM C136-84A
#20 Sieve	72.5	%Passing	0.10	0.10	0.10	1			05/29/2010 10:25	BMS	ASTM C136-84A
#200 Sieve	14.3	%Passing	0.10	0.10	0.10	1			05/29/2010 10:25	BMS	ASTM C136-84A
#230 Sieve	10.4	%Passing	0.10	0.10	0.10	1			05/29/2010 10:25	BMS	ASTM C136-84A
#4 Sieve	99.6	%Passing	0.10	0.10	0.10	1			05/29/2010 10:25	BMS	ASTM C136-84A
#40 Sieve	58.1	%Passing	0.10	0.10	0.10	1			05/29/2010 10:25	BMS	ASTM C136-84A
#60 Sieve	44.6	%Passing	0.10	0.10	0.10	1			05/29/2010 10:25	BMS	ASTM C136-84A
#80 Sieve	31.3	%Passing	0.10	0.10	0.10	1			05/29/2010 10:25	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 803287 Sample Description: BBG-SB88-2.5-3.5-10B Sampled: 5/19/2010 0925

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	96.1	%Passing	0.10	0.10	0.10	1			05/29/2010 10:36	BMS	ASTM C136-84A
#100 Sieve	24.4	%Passing	0.10	0.10	0.10	1			05/29/2010 10:36	BMS	ASTM C136-84A
#20 Sieve	63.7	%Passing	0.10	0.10	0.10	1			05/29/2010 10:36	BMS	ASTM C136-84A
#200 Sieve	14.4	%Passing	0.10	0.10	0.10	1			05/29/2010 10:36	BMS	ASTM C136-84A
#230 Sieve	11.1	%Passing	0.10	0.10	0.10	1			05/29/2010 10:36	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	0.10	0.10	0.10	1			05/29/2010 10:36	BMS	ASTM C136-84A
#40 Sieve	46.3	%Passing	0.10	0.10	0.10	1			05/29/2010 10:36	BMS	ASTM C136-84A
#60 Sieve	34.2	%Passing	0.10	0.10	0.10	1			05/29/2010 10:36	BMS	ASTM C136-84A
#80 Sieve	27.0	%Passing	0.10	0.10	0.10	1			05/29/2010 10:36	BMS	ASTM C136-84A

CT LAB#: 803288 Sample Description: BBG-SS76-0-1-10B Sampled: 5/19/2010 0955

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	97.5	%Passing	0.10	0.10	0.10	1			05/29/2010 10:46	BMS	ASTM C136-84A
#100 Sieve	45.8	%Passing	0.10	0.10	0.10	1			05/29/2010 10:46	BMS	ASTM C136-84A
#20 Sieve	94.1	%Passing	0.10	0.10	0.10	1			05/29/2010 10:46	BMS	ASTM C136-84A
#200 Sieve	17.7	%Passing	0.10	0.10	0.10	1			05/29/2010 10:46	BMS	ASTM C136-84A
#230 Sieve	15.4	%Passing	0.10	0.10	0.10	1			05/29/2010 10:46	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	0.10	0.10	0.10	1			05/29/2010 10:46	BMS	ASTM C136-84A
#40 Sieve	88.9	%Passing	0.10	0.10	0.10	1			05/29/2010 10:46	BMS	ASTM C136-84A
#60 Sieve	82.7	%Passing	0.10	0.10	0.10	1			05/29/2010 10:46	BMS	ASTM C136-84A
#80 Sieve	57.0	%Passing	0.10	0.10	0.10	1			05/29/2010 10:46	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 803289 Sample Description: BBG-SB76-6-7-10B Sampled: 5/19/2010 1045

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	87.7	%Passing	0.10	0.10	0.10	1			05/29/2010 10:56	BMS	ASTM C136-84A
#100 Sieve	23.1	%Passing	0.10	0.10	0.10	1			05/29/2010 10:56	BMS	ASTM C136-84A
#20 Sieve	71.7	%Passing	0.10	0.10	0.10	1			05/29/2010 10:56	BMS	ASTM C136-84A
#200 Sieve	10.6	%Passing	0.10	0.10	0.10	1			05/29/2010 10:56	BMS	ASTM C136-84A
#230 Sieve	7.3	%Passing	0.10	0.10	0.10	1			05/29/2010 10:56	BMS	ASTM C136-84A
#4 Sieve	99.8	%Passing	0.10	0.10	0.10	1			05/29/2010 10:56	BMS	ASTM C136-84A
#40 Sieve	59.0	%Passing	0.10	0.10	0.10	1			05/29/2010 10:56	BMS	ASTM C136-84A
#60 Sieve	36.3	%Passing	0.10	0.10	0.10	1			05/29/2010 10:56	BMS	ASTM C136-84A
#80 Sieve	26.3	%Passing	0.10	0.10	0.10	1			05/29/2010 10:56	BMS	ASTM C136-84A

CT LAB#: 803290 Sample Description: BBG-SS87-0-1-10B Sampled: 5/19/2010 1145

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	85.5	%Passing	0.10	0.10	0.10	1			05/29/2010 11:06	BMS	ASTM C136-84A
#100 Sieve	33.9	%Passing	0.10	0.10	0.10	1			05/29/2010 11:06	BMS	ASTM C136-84A
#20 Sieve	71.1	%Passing	0.10	0.10	0.10	1			05/29/2010 11:06	BMS	ASTM C136-84A
#200 Sieve	10.6	%Passing	0.10	0.10	0.10	1			05/29/2010 11:06	BMS	ASTM C136-84A
#230 Sieve	7.4	%Passing	0.10	0.10	0.10	1			05/29/2010 11:06	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	0.10	0.10	0.10	1			05/29/2010 11:06	BMS	ASTM C136-84A
#40 Sieve	59.7	%Passing	0.10	0.10	0.10	1			05/29/2010 11:06	BMS	ASTM C136-84A
#60 Sieve	50.3	%Passing	0.10	0.10	0.10	1			05/29/2010 11:06	BMS	ASTM C136-84A
#80 Sieve	41.0	%Passing	0.10	0.10	0.10	1			05/29/2010 11:06	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 803291 Sample Description: BBG-SB87-3-4-10B Sampled: 5/19/2010 1155

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	90.6	%Passing	0.10	0.10	0.10	1			05/29/2010 11:16	BMS	ASTM C136-84A
#100 Sieve	37.8	%Passing	0.10	0.10	0.10	1			05/29/2010 11:16	BMS	ASTM C136-84A
#20 Sieve	71.5	%Passing	0.10	0.10	0.10	1			05/29/2010 11:16	BMS	ASTM C136-84A
#200 Sieve	10.0	%Passing	0.10	0.10	0.10	1			05/29/2010 11:16	BMS	ASTM C136-84A
#230 Sieve	7.2	%Passing	0.10	0.10	0.10	1			05/29/2010 11:16	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	0.10	0.10	0.10	1			05/29/2010 11:16	BMS	ASTM C136-84A
#40 Sieve	61.1	%Passing	0.10	0.10	0.10	1			05/29/2010 11:16	BMS	ASTM C136-84A
#60 Sieve	53.7	%Passing	0.10	0.10	0.10	1			05/29/2010 11:16	BMS	ASTM C136-84A
#80 Sieve	45.7	%Passing	0.10	0.10	0.10	1			05/29/2010 11:16	BMS	ASTM C136-84A

CT LAB#: 803292 Sample Description: BBG-SS12-0-1-10B Sampled: 5/19/2010 1245

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	89.0	%Passing	0.10	0.10	0.10	1			05/29/2010 11:26	BMS	ASTM C136-84A
#100 Sieve	44.3	%Passing	0.10	0.10	0.10	1			05/29/2010 11:26	BMS	ASTM C136-84A
#20 Sieve	76.1	%Passing	0.10	0.10	0.10	1			05/29/2010 11:26	BMS	ASTM C136-84A
#200 Sieve	14.9	%Passing	0.10	0.10	0.10	1			05/29/2010 11:26	BMS	ASTM C136-84A
#230 Sieve	10.3	%Passing	0.10	0.10	0.10	1			05/29/2010 11:26	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	0.10	0.10	0.10	1			05/29/2010 11:26	BMS	ASTM C136-84A
#40 Sieve	68.1	%Passing	0.10	0.10	0.10	1			05/29/2010 11:26	BMS	ASTM C136-84A
#60 Sieve	63.0	%Passing	0.10	0.10	0.10	1			05/29/2010 11:26	BMS	ASTM C136-84A
#80 Sieve	51.5	%Passing	0.10	0.10	0.10	1			05/29/2010 11:26	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 803293 Sample Description: BBG-SB12-2-3-10B Sampled: 5/19/2010 1255

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	96.3	%Passing	0.10	0.10	0.10	1			05/31/2010 10:30	BMS	ASTM C136-84A
#100 Sieve	52.2	%Passing	0.10	0.10	0.10	1			05/31/2010 10:30	BMS	ASTM C136-84A
#20 Sieve	88.0	%Passing	0.10	0.10	0.10	1			05/31/2010 10:30	BMS	ASTM C136-84A
#200 Sieve	15.0	%Passing	0.10	0.10	0.10	1			05/31/2010 10:30	BMS	ASTM C136-84A
#230 Sieve	9.5	%Passing	0.10	0.10	0.10	1			05/31/2010 10:30	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	0.10	0.10	0.10	1			05/31/2010 10:30	BMS	ASTM C136-84A
#40 Sieve	81.6	%Passing	0.10	0.10	0.10	1			05/31/2010 10:30	BMS	ASTM C136-84A
#60 Sieve	74.3	%Passing	0.10	0.10	0.10	1			05/31/2010 10:30	BMS	ASTM C136-84A
#80 Sieve	61.4	%Passing	0.10	0.10	0.10	1			05/31/2010 10:30	BMS	ASTM C136-84A

CT LAB#: 803294 Sample Description: BBG-SS51-0-1-10B Sampled: 5/19/2010 1630

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	89.6	%Passing	0.10	0.10	0.10	1			05/31/2010 10:40	BMS	ASTM C136-84A
#100 Sieve	39.5	%Passing	0.10	0.10	0.10	1			05/31/2010 10:40	BMS	ASTM C136-84A
#20 Sieve	80.9	%Passing	0.10	0.10	0.10	1			05/31/2010 10:40	BMS	ASTM C136-84A
#200 Sieve	8.4	%Passing	0.10	0.10	0.10	1			05/31/2010 10:40	BMS	ASTM C136-84A
#230 Sieve	5.6	%Passing	0.10	0.10	0.10	1			05/31/2010 10:40	BMS	ASTM C136-84A
#4 Sieve	98.4	%Passing	0.10	0.10	0.10	1			05/31/2010 10:40	BMS	ASTM C136-84A
#40 Sieve	75.0	%Passing	0.10	0.10	0.10	1			05/31/2010 10:40	BMS	ASTM C136-84A
#60 Sieve	65.4	%Passing	0.10	0.10	0.10	1			05/31/2010 10:40	BMS	ASTM C136-84A
#80 Sieve	49.8	%Passing	0.10	0.10	0.10	1			05/31/2010 10:40	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 803295 Sample Description: BBG-SS90-0-1-10B Sampled: 5/19/2010 1455

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	99.4	%Passing	0.10	0.10	0.10	1			05/31/2010 10:50	BMS	ASTM C136-84A
#100 Sieve	27.8	%Passing	0.10	0.10	0.10	1			05/31/2010 10:50	BMS	ASTM C136-84A
#20 Sieve	98.5	%Passing	0.10	0.10	0.10	1			05/31/2010 10:50	BMS	ASTM C136-84A
#200 Sieve	3.7	%Passing	0.10	0.10	0.10	1			05/31/2010 10:50	BMS	ASTM C136-84A
#230 Sieve	2.8	%Passing	0.10	0.10	0.10	1			05/31/2010 10:50	BMS	ASTM C136-84A
#4 Sieve	99.8	%Passing	0.10	0.10	0.10	1			05/31/2010 10:50	BMS	ASTM C136-84A
#40 Sieve	97.8	%Passing	0.10	0.10	0.10	1			05/31/2010 10:50	BMS	ASTM C136-84A
#60 Sieve	97.8	%Passing	0.10	0.10	0.10	1			05/31/2010 10:50	BMS	ASTM C136-84A
#80 Sieve	55.8	%Passing	0.10	0.10	0.10	1			05/31/2010 10:50	BMS	ASTM C136-84A

CT LAB#: 803296 Sample Description: BBG-SB90-2-3-10B Sampled: 5/19/2010 1500

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	99.8	%Passing	0.10	0.10	0.10	1			05/31/2010 11:00	BMS	ASTM C136-84A
#100 Sieve	35.6	%Passing	0.10	0.10	0.10	1			05/31/2010 11:00	BMS	ASTM C136-84A
#20 Sieve	98.8	%Passing	0.10	0.10	0.10	1			05/31/2010 11:00	BMS	ASTM C136-84A
#200 Sieve	2.9	%Passing	0.10	0.10	0.10	1			05/31/2010 11:00	BMS	ASTM C136-84A
#230 Sieve	2.2	%Passing	0.10	0.10	0.10	1			05/31/2010 11:00	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	0.10	0.10	0.10	1			05/31/2010 11:00	BMS	ASTM C136-84A
#40 Sieve	98.2	%Passing	0.10	0.10	0.10	1			05/31/2010 11:00	BMS	ASTM C136-84A
#60 Sieve	96.4	%Passing	0.10	0.10	0.10	1			05/31/2010 11:00	BMS	ASTM C136-84A
#80 Sieve	65.9	%Passing	0.10	0.10	0.10	1			05/31/2010 11:00	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 803297 Sample Description: BBG-SS44-0-1-10B Sampled: 5/20/2010 0810

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	98.8	%Passing	0.10	0.10	0.10	1			05/31/2010 11:11	BMS	ASTM C136-84A
#100 Sieve	45.6	%Passing	0.10	0.10	0.10	1			05/31/2010 11:11	BMS	ASTM C136-84A
#20 Sieve	97.4	%Passing	0.10	0.10	0.10	1			05/31/2010 11:11	BMS	ASTM C136-84A
#200 Sieve	15.7	%Passing	0.10	0.10	0.10	1			05/31/2010 11:11	BMS	ASTM C136-84A
#230 Sieve	10.9	%Passing	0.10	0.10	0.10	1			05/31/2010 11:11	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	0.10	0.10	0.10	1			05/31/2010 11:11	BMS	ASTM C136-84A
#40 Sieve	96.3	%Passing	0.10	0.10	0.10	1			05/31/2010 11:11	BMS	ASTM C136-84A
#60 Sieve	94.1	%Passing	0.10	0.10	0.10	1			05/31/2010 11:11	BMS	ASTM C136-84A
#80 Sieve	66.5	%Passing	0.10	0.10	0.10	1			05/31/2010 11:11	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

Notes: ^ Indicates the laboratory is NELAP accredited for this analyte by the indicated matrix and method.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

This report has been specifically prepared to satisfy project or program requirements. The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Level of uncertainty measurements only provided upon pre-approved request.

Submitted by: PML r
Project Manager
608-356-2760

Current CT Laboratories Certifications

Illinois NELAP ID# 200046

Kansas NELAP ID# E-10368

Kentucky ID# 0023

Pennsylvania NELAP ID# 68-04201

New Jersey NELAP ID# WI001

North Dakota ID# R-171

Wisconsin (WDNR) Chemistry ID# 157066030

Wisconsin (DATCP) Bacteriology ID# 105-289

DoD-ELAP Accreditation Cert # ADE-1453

GA EPD Stipulation

Accreditor:	IL NELAP
Accreditation ID:	200046
Scope:	Hazardous/Solid Waste Non-potable water
Effective:	11/19/2009
Expires:	09/30/2010

"SDG 5"

pg 1 of 2 s 13551

SUBCONTRACT CHAIN-OF-CUSTODY RECORD

COMPUCHEM
a division of Liberty Analytical Corp.

501 Madison Avenue
Cary, NC 27513
1-800-833-5097

Project Name: CTO-094 MCB CAMP LEJEUNE
TAT: 7 day TAT
Report style: level IV
Disk requirement: SNEDD

Samples shipped to: CT LABS
Contact: Pat Letterer
Address:
Phone: ( )
Project Locale (state) NC

CompuChem point-of-contact: (4) CATHY DOVER
Phone: (919) 379-4100 X 4089
Fax: (919) 379-4050

Sampling complete? (Y) or N (see Note 1)
Project-specific (PS) or Batch (B) QC? per method

BOX #1
1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil / Sediment / Sludge
6. Trip Blank
7. Oil
8. Waste
9. Other _____

BOX #2
A. HCl + Ice
B. HNO_3 + Ice
C. NaOH + Ice
D. H_2SO_4 + Ice
E. Unpreserved
F. Ice Only
G. Other _____
H. $NaHSO_4$ + Ice
I. ZnAc+NaOH + Ice
J. Methanol

BOX #3
F- Filtered
U- Unfiltered

BOX #4
H- High
M- Med
L- Low

BOX #5
C- CLP T- TCLP

Folder #: 79195
Company: COMPUCHEM
Project: CTO-094 MCB CAMP LE
Logged By: JLS PM: PM

Sample ID	Date / Year 2010	Time	Box #1 Matrix	Box #2 Preservative	Box #3 Filtered / Unfiltered	Box #4 Expected Conc.	Box #5 Method	# of Bottles	Use for Lab QC (MS or DUP)	grain size sieve only ASTM D422	PARAMETERS	CCN
BBG-SS81-0-1-10B	5/18	1600	5	E	U			1		✓		803276
BBG-SB81-5-6-10B	"	1620	"	"	"			"		✓		803279
BBG-SS67-0-1-10B	"	1700	"	"	"			"		✓		803280
BBG-SB50-1-2-10B	✓	1750	"	"	"			"		✓		803281
BBG-SS71-0-1-10B	5/19	0735	"	"	"			"		✓		803282
BBG-SB71 0-4-5-10B	5/19	0755	"	"	"			"		✓		803283
BBG-SS72-01-10B		0835	"	"	"			"		✓		803284
BBG-SB72-2-3-10B	"	0845	"	"	"			"		✓		803285
BBG-SS88-0-1-10B	"	0910	"	"	"			"		✓		803286
BBG-SB88-2.5-3.5-10B	✓	0925	✓	✓	✓			✓		✓		803287

Temperature _____ °C

Clients Special Instructions:

Lab: Received in good condition? Y or N **Describe any problems:**

#1 Relenquished by:(sig) Cathy Dover	Date: 5/26/10	#2 Relinquished by:(sig)	Date:	Relinquished by:(sig)	Date:
Company Name: CompuChem	Time: 1925	Company Name:	Time:	Company Name:	Time:
#1 Received by:(sig)	Date:	#2 Received by:(sig)	Date:	#2 Received by:(sig)	Date: 5/27/10
Company Name:	Time:	Company Name:	Time:	Company Name: CT Labs	Time: 1233

Note (1) If "N" lab should batch samples to await remainder of project - maximizing batch size and minimizing QC ratio; if "Y" lab should begin processing batches now.
Note (2) Samples should be stored 60 days after date report mailed at no extra charge.
Note (3) All lab copies of data should be retained for a minimum of 3 years.
~~Note (4) Please call point-of-contact to verify receipt of samples.~~

No ice Ambient
5/27/10 1000 JS

Revision 0 2-10-99

"SDG 5" Pg 2 of 2 S 13552

SUBCONTRACT CHAIN-OF-CUSTODY RECORD

COMPUCHEM
a division of Liberty Analytical Corp.

501 Madison Avenue
Cary, NC 27513
1-800-833-5097

Project Name: CTO-094 MCB CAMP LEJEUNE
TAT: 7 calendar days
Report style: level II
Disk requirement: SNEDD

Samples shipped to: CT LABS
Contact: Pat Letterer
Address:
see pg 1 of 2
Phone: ( )
Project Locale (state)

CompuChem point-of-contact: (4) CATHY DOVER
Phone: (919) 379-4100 x4089
Fax: (919) 379-4070
Sampling complete? Y or N (see Note 1)
Project-specific (PS) or Batch (B) QC? PS method

BOX #1 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil / Sediment / Sludge 6. Trip Blank 7. Oil 8. Waste 9. Other _____

BOX #2 A. HCl + Ice B. HNO_3 + Ice C. NaOH + Ice D. H_2SO_4 + Ice E. Unpreserved F. Ice Only G. Other _____ H. $NaHSO_4$ + Ice I. ZnAc+NaOH + Ice J. Methanol

BOX #3 F- Filtered U- Unfiltered

BOX #4 H- High M- Medium L- Low

BOX #5 C- CLP T- TCLP S - SW-846 W- CWA 600-series O- Other _____

Sample ID	Date / Year	Time	Box #1 Matrix	Box #2 Preservative	Box #3 Filtered / Unfiltered	Box #4 Expected Conc.	Box #5 Method	# of Bottles	Use for Lab QC (MS or DUP)	PARAMETERS: grain size (sieve only) ASTM D422	CCN	Remarks / Comments (see Notes 2 & 3)
BBG-SS76-0-1-10B	5/19/2010	0955	5	E	V			1		✓	803288	
BBG-SB76-6-7-10B		1045								✓	803289	
BBG-SS87-0-1-10B		1145								✓	803290	
BBG-SB87-3-4-10B		1155								✓	803291	
BBG-SS12-0-1-10B		1245								✓	803292	
BBG-SB12-2-3-10B		1255								✓	803293	
BBG-SS51-0-1-10B		1630								✓	803294	
BBG-SS90-0-1-10B		1455								✓	803295	
BBG-SB90-2-3-10B		1500								✓	803296	
BBG-SS44-0-1-10B	5/20/2010	0810								✓	803297	

Clients Special Instructions:

Temperature _____ °C

Lab: Received in good condition? Y or N **Describe any problems:**

#1 Relenquished by:(sig)	Cathy Dover	Date: 5/26/10	#2 Relinquished by:(sig)		Date:	Relinquished by:(sig)	Date:
Company Name:	CompuChem	Time: 1925	Company Name:		Time:	Company Name:	Time:
#1 Received by:(sig)		Date:	#2 Received by:(sig)		Date:	#2 Received by:(sig)	Date: 5/27/10
Company Name:		Time:	Company Name:		Time:	Company Name: CT Labs	Time: 1233

Note (1) If "N" lab should batch samples to await remainder of project - maximizing batch size and minimizing QC ratio; if "Y" lab should begin processing batches now.
Note (2) Samples should be stored 60 days after date report mailed at no extra charge.
Note (3) All lab copies of data should be retained for a minimum of 3 years.
Note (4) Please call point-of-contact to verify receipt of samples.

No ice Ambient
5/27/10 1200 jb

Revision 0 2-10-99

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Sample Condition Report

Folder #: 79195
Client: COMPUCHEM

Print Date / Time: 05/27/2010 12:33
Received Date / Time / By: 05/27/2010 1200 JLS

Project Name: CTO-094 MCB CAMP LEJ
Project #:

Log-In Date / Time / By: 05/27/2010 1233 JLS
PM: PML

Coolers: TEST AMERICA COOLER
Custody Seals Present : **Y**

Temperature: AMBIENT C On Ice: **N**
COC Present:? **Y** Complete? **Y**

Seal Intact?
Ship Method: UPS
Adequate Packaging: **Y**

Numbers: DATED AND SIGNED
Tracking Number: 1ZA1R1110147709980
Temp Blank Enclosed? **Y**

Notes: SAMPLES REC'D IN GOOD CONDITION
NO ICE PRESENT. NO TEMP BLANK. 1 CUSTODY SEAL INTACT DATED 5/26/10 AND SIGNED

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
803276 BBG-SS81-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803279 BBG-SB81-5-6-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803280 BBG-SS67-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803281 BBG-SB50-1-2-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803282 BBG-SS71-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803283 BBG-SB71-4-5-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
803284 BBG-SS72-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803285 BBG-SB72-2-3-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803286 BBG-SS88-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803287 BBG-SB88-2.5-3.5-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803288 BBG-SS76-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803289 BBG-SB76-6-7-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803290 BBG-SS87-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803291 BBG-SB87-3-4-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803292 BBG-SS12-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
803293 BBG-SB12-2-3-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803294 BBG-SS51-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803295 BBG-SS90-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803296 BBG-SB90-2-3-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803297 BBG-SS44-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Condition Code	*Condition Description*
1	Sample Received OK

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delivering more than data from your environmental analyses

ANALYTICAL RESULTS FOR:

CATHY DOVER
COMPUCHEM
501 MADISON AVE
CARY, NC 27513

PROJECT SITE: CAMP LEJEUNE MCB

DOD CONTRACT #: N62470-08-D-1000

TASK ORDER #: 0094

SDG: 79196

PREPARED: June 2, 2010

TOTAL # OF PAGES IN THIS DOCUMENT: 49

The data contained in the following report have been reviewed by the appropriate CTLaboratories' staff members. In addition, CTLaboratories certifies that to the best of our knowledge that the analyses reported herein are true, complete and correct within the limits of the methods employed and that they follow the applicable requirements as specified by the project plan, state-specific, NELAC or DOD QSM requirements. The estimated uncertainty of measurement is only available upon request. The reported results relate only to the tested samples. This report shall not be reproduced, except in full, without written approval of CTLaboratories.

APPROVED BY: _____
LABORATORY DIRECTOR

APPROVED BY: _____
QA OFFICER

APPROVED BY: _____
PROJECT MANAGER

Certifications: IL (NELAP 200046), KS (NELAP E-10368), KY (0023), PA (NELAP 68-04201), NJ (NELAP WI001), ND (R-171), WI (157066030), GA EDP Stipulation (Accreditor: ILNELAP, ACC#: 200465, Scope: Haz/solid water/Non-potable water, Effective : 11/19/2009, Expires: 09/30/2010)

Case Narrative

Client: CompuChem
Project: CTO-0094, Camp Lejeune MCB
Sample Receipt Date: 05/27/2010
SDG #: 79196

Nineteen soil samples were received for Grain Size analysis. The assigned sample ID number, date sampled, and date received are indicated in the attached Project Summary. The samples were received intact and at a temperature within method specified acceptance limits. A breakdown of sample receipt information can be found on the Sample Condition Report located in the last section of the data package and any exceptions are noted below.

Sample Analysis and Quality Control

Grain Size Analysis:

The samples were analyzed using ASTM Method C136-84A. All samples were analyzed within the holding time. The following summaries of quality control procedures are included:

Analysis Run Log
Prep Log

All analysis results for this SDG met the method/project specified quality control criteria.

Analytical Run # 67197

Less than 100 g was used for sample # 803330 due to the limited amount of sample provided.

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delivering more than data from your environmental analyses

INORGANIC
CLP FORMS
DOCUMENTS

INORGANICS
RAW DATA
DOCUMENTS

GRAIN SIZE SIEVE ANALYSIS

PAGE 1 **Run #:** 67197

ANALYSIS DATE/TIME:	5/31/2010	11:21	**INITIAL WEIGHT(g):**	168.09
ANALYST:	BMS			
SAMPLE ID#:	803316			

Sample 1	Weight of Soil in Pan (g)		% Passing
WEIGHT RETAINED ON #4	0.00	%PASSING#4	100.00
WEIGHT RETAINED ON #10	13.05	%PASSING#10	92.24
WEIGHT RETAINED ON #20	20.09	%PASSING#20	80.28
WEIGHT RETAINED ON #40	9.37	%PASSING#40	74.71
WEIGHT RETAINED ON #60	10.52	%PASSING#60	68.45
WEIGHT RETAINED ON #80	31.45	%PASSING#80	49.74
WEIGHT RETAINED ON #100	20.56	%PASSING#100	37.51
WEIGHT RETAINED ON #200	42.75	%PASSING#200	12.08
WEIGHT RETAINED ON #230	5.36	%PASSING#230	8.89

ANALYSIS DATE/TIME:	5/31/2010	11:31	**INITIAL WEIGHT(g):**	168.07
ANALYST:	BMS			
SAMPLE ID#:	803317			

Sample 2	Weight of Soil in Pan (g)		% Passing
WEIGHT RETAINED ON #4	0.00	%PASSING#4	100.00
WEIGHT RETAINED ON #10	1.09	%PASSING#10	99.35
WEIGHT RETAINED ON #20	2.67	%PASSING#20	97.76
WEIGHT RETAINED ON #40	3.41	%PASSING#40	95.73
WEIGHT RETAINED ON #60	11.31	%PASSING#60	89.00
WEIGHT RETAINED ON #80	57.38	%PASSING#80	54.86
WEIGHT RETAINED ON #100	41.85	%PASSING#100	29.96
WEIGHT RETAINED ON #200	39.79	%PASSING#200	6.29
WEIGHT RETAINED ON #230	2.14	%PASSING#230	5.02

ANALYSIS DATE/TIME:	5/31/2010	11:41	**INITIAL WEIGHT(g):**	192.37
ANALYST:	BMS			
SAMPLE ID#:	803318			

Sample 3	Weight of Soil in Pan (g)		% Passing
WEIGHT RETAINED ON #4	0.05	%PASSING#4	99.97
WEIGHT RETAINED ON #10	0.14	%PASSING#10	99.90
WEIGHT RETAINED ON #20	0.96	%PASSING#20	99.40
WEIGHT RETAINED ON #40	4.97	%PASSING#40	96.82
WEIGHT RETAINED ON #60	28.97	%PASSING#60	81.76
WEIGHT RETAINED ON #80	69.79	%PASSING#80	45.48
WEIGHT RETAINED ON #100	35.88	%PASSING#100	26.83
WEIGHT RETAINED ON #200	47.71	%PASSING#200	2.03
WEIGHT RETAINED ON #230	1.33	%PASSING#230	1.34

GRAIN SIZE SIEVE ANALYSIS

PAGE 2 **Run #:** 67197

ANALYSIS DATE/TIME:	5/31/2010	11:51	**INITIAL WEIGHT(g):**	183.03
ANALYST:	BMS			
SAMPLE ID#:	803319			

Sample 4	Weight of Soil in Pan (g)		% Passing
WEIGHT RETAINED ON #4	0.15	%PASSING#4	99.92
WEIGHT RETAINED ON #10	0.57	%PASSING#10	99.61
WEIGHT RETAINED ON #20	1.17	%PASSING#20	98.97
WEIGHT RETAINED ON #40	5.37	%PASSING#40	96.03
WEIGHT RETAINED ON #60	35.93	%PASSING#60	76.40
WEIGHT RETAINED ON #80	80.52	%PASSING#80	32.41
WEIGHT RETAINED ON #100	30.18	%PASSING#100	15.92
WEIGHT RETAINED ON #200	26.86	%PASSING#200	1.25
WEIGHT RETAINED ON #230	0.61	%PASSING#230	0.91

ANALYSIS DATE/TIME:	5/31/2010	12:01	**INITIAL WEIGHT(g):**	194.85
ANALYST:	BMS			
SAMPLE ID#:	803320			

Sample 5	Weight of Soil in Pan (g)		% Passing
WEIGHT RETAINED ON #4	0.00	%PASSING#4	100.00
WEIGHT RETAINED ON #10	0.31	%PASSING#10	99.84
WEIGHT RETAINED ON #20	0.57	%PASSING#20	99.55
WEIGHT RETAINED ON #40	7.42	%PASSING#40	95.74
WEIGHT RETAINED ON #60	52.33	%PASSING#60	68.88
WEIGHT RETAINED ON #80	74.40	%PASSING#80	30.70
WEIGHT RETAINED ON #100	29.72	%PASSING#100	15.45
WEIGHT RETAINED ON #200	28.26	%PASSING#200	0.94
WEIGHT RETAINED ON #230	0.45	%PASSING#230	0.71

ANALYSIS DATE/TIME:	5/31/2010	12:12	**INITIAL WEIGHT(g):**	177.14
ANALYST:	BMS			
SAMPLE ID#:	803321			

Sample 6	Weight of Soil in Pan (g)		% Passing
WEIGHT RETAINED ON #4	0.00	%PASSING#4	100.00
WEIGHT RETAINED ON #10	1.91	%PASSING#10	98.92
WEIGHT RETAINED ON #20	1.58	%PASSING#20	98.03
WEIGHT RETAINED ON #40	7.54	%PASSING#40	93.77
WEIGHT RETAINED ON #60	41.51	%PASSING#60	70.34
WEIGHT RETAINED ON #80	82.28	%PASSING#80	23.89
WEIGHT RETAINED ON #100	21.84	%PASSING#100	11.56
WEIGHT RETAINED ON #200	18.02	%PASSING#200	1.39
WEIGHT RETAINED ON #230	0.34	%PASSING#230	1.20

GRAIN SIZE SIEVE ANALYSIS

PAGE 3 **Run #:** 67197

ANALYSIS DATE/TIME:	5/31/2010	12:22	**INITIAL WEIGHT(g):**	174.71
ANALYST:	BMS			
SAMPLE ID#:	803322			

Sample 7	Weight of Soil in Pan (g)		% Passing
WEIGHT RETAINED ON #4	0.00	%PASSING#4	100.00
WEIGHT RETAINED ON #10	1.07	%PASSING#10	99.39
WEIGHT RETAINED ON #20	3.48	%PASSING#20	97.40
WEIGHT RETAINED ON #40	4.34	%PASSING#40	94.91
WEIGHT RETAINED ON #60	31.11	%PASSING#60	77.10
WEIGHT RETAINED ON #80	61.21	%PASSING#80	42.07
WEIGHT RETAINED ON #100	30.91	%PASSING#100	24.38
WEIGHT RETAINED ON #200	35.52	%PASSING#200	4.05
WEIGHT RETAINED ON #230	3.25	%PASSING#230	2.19

ANALYSIS DATE/TIME:	6/1/2010	7:20	**INITIAL WEIGHT(g):**	162.88
ANALYST:	BMS			
SAMPLE ID#:	803323			

Sample 8	Weight of Soil in Pan (g)		% Passing
WEIGHT RETAINED ON #4	0.00	%PASSING#4	100.00
WEIGHT RETAINED ON #10	3.32	%PASSING#10	97.96
WEIGHT RETAINED ON #20	6.81	%PASSING#20	93.78
WEIGHT RETAINED ON #40	6.78	%PASSING#40	89.62
WEIGHT RETAINED ON #60	27.75	%PASSING#60	72.58
WEIGHT RETAINED ON #80	58.04	%PASSING#80	36.95
WEIGHT RETAINED ON #100	26.14	%PASSING#100	20.90
WEIGHT RETAINED ON #200	25.08	%PASSING#200	5.50
WEIGHT RETAINED ON #230	1.76	%PASSING#230	4.42

ANALYSIS DATE/TIME:	6/1/2010	7:30	**INITIAL WEIGHT(g):**	171.98
ANALYST:	MDS			
SAMPLE ID#:	803324			

Sample 9	Weight of Soil in Pan (g)		% Passing
WEIGHT RETAINED ON #4	0.00	%PASSING#4	100.00
WEIGHT RETAINED ON #10	0.75	%PASSING#10	99.56
WEIGHT RETAINED ON #20	3.76	%PASSING#20	97.38
WEIGHT RETAINED ON #40	5.55	%PASSING#40	94.15
WEIGHT RETAINED ON #60	16.06	%PASSING#60	84.81
WEIGHT RETAINED ON #80	33.58	%PASSING#80	65.29
WEIGHT RETAINED ON #100	28.65	%PASSING#100	48.63
WEIGHT RETAINED ON #200	74.57	%PASSING#200	5.27
WEIGHT RETAINED ON #230	3.21	%PASSING#230	3.40

GRAIN SIZE SIEVE ANALYSIS

PAGE 4 **Run #:** 67197

ANALYSIS DATE/TIME:	6/1/2010	7:41	**INITIAL WEIGHT(g):**	162.80
ANALYST:	MDS			
SAMPLE ID#:	803325			
Sample 10	Weight of Soil in Pan (g)			% Passing
WEIGHT RETAINED ON #4	0.08		%PASSING#4	99.95
WEIGHT RETAINED ON #10	20.32		%PASSING#10	87.47
WEIGHT RETAINED ON #20	18.11		%PASSING#20	76.35
WEIGHT RETAINED ON #40	8.45		%PASSING#40	71.15
WEIGHT RETAINED ON #60	3.68		%PASSING#60	68.89
WEIGHT RETAINED ON #80	22.66		%PASSING#80	54.98
WEIGHT RETAINED ON #100	21.04		%PASSING#100	42.05
WEIGHT RETAINED ON #200	59.26		%PASSING#200	5.65
WEIGHT RETAINED ON #230	3.55		%PASSING#230	3.47

ANALYSIS DATE/TIME:	6/1/2010	8:12	**INITIAL WEIGHT(g):**	158.13
ANALYST:	MDS			
SAMPLE ID#:	803326			
Sample 11	Weight of Soil in Pan (g)			% Passing
WEIGHT RETAINED ON #4	0.00		%PASSING#4	100.00
WEIGHT RETAINED ON #10	5.32		%PASSING#10	96.64
WEIGHT RETAINED ON #20	11.38		%PASSING#20	89.44
WEIGHT RETAINED ON #40	7.42		%PASSING#40	84.75
WEIGHT RETAINED ON #60	6.84		%PASSING#60	80.42
WEIGHT RETAINED ON #80	18.88		%PASSING#80	68.48
WEIGHT RETAINED ON #100	21.23		%PASSING#100	55.06
WEIGHT RETAINED ON #200	65.48		%PASSING#200	13.65
WEIGHT RETAINED ON #230	8.18		%PASSING#230	8.47

ANALYSIS DATE/TIME:	6/1/2010	8:23	**INITIAL WEIGHT(g):**	168.58
ANALYST:	MDS			
SAMPLE ID#:	803327			
Sample 12	Weight of Soil in Pan (g)			% Passing
WEIGHT RETAINED ON #4	0.00		%PASSING#4	100.00
WEIGHT RETAINED ON #10	11.26		%PASSING#10	93.32
WEIGHT RETAINED ON #20	12.62		%PASSING#20	85.83
WEIGHT RETAINED ON #40	5.94		%PASSING#40	82.31
WEIGHT RETAINED ON #60	23.77		%PASSING#60	68.21
WEIGHT RETAINED ON #80	61.70		%PASSING#80	31.61
WEIGHT RETAINED ON #100	20.82		%PASSING#100	19.26
WEIGHT RETAINED ON #200	21.19		%PASSING#200	6.69
WEIGHT RETAINED ON #230	2.13		%PASSING#230	5.43

GRAIN SIZE SIEVE ANALYSIS

PAGE 5 **Run #:** 67197

ANALYSIS DATE/TIME:	6/1/2010	8:34	**INITIAL WEIGHT(g):**	175.85
ANALYST:	MDS			
SAMPLE ID#:	803328			
Sample 13	Weight of Soil in Pan (g)			% Passing
WEIGHT RETAINED ON #4	0.00		%PASSING#4	100.00
WEIGHT RETAINED ON #10	3.61		%PASSING#10	97.95
WEIGHT RETAINED ON #20	9.03		%PASSING#20	92.81
WEIGHT RETAINED ON #40	6.56		%PASSING#40	89.08
WEIGHT RETAINED ON #60	11.27		%PASSING#60	82.67
WEIGHT RETAINED ON #80	33.68		%PASSING#80	63.52
WEIGHT RETAINED ON #100	26.04		%PASSING#100	48.71
WEIGHT RETAINED ON #200	67.51		%PASSING#200	10.32
WEIGHT RETAINED ON #230	6.49		%PASSING#230	6.63

ANALYSIS DATE/TIME:	6/1/2010	8:45	**INITIAL WEIGHT(g):**	184.82
ANALYST:	MDS			
SAMPLE ID#:	803329			
Sample 14	Weight of Soil in Pan (g)			% Passing
WEIGHT RETAINED ON #4	0.00		%PASSING#4	100.00
WEIGHT RETAINED ON #10	0.29		%PASSING#10	99.84
WEIGHT RETAINED ON #20	0.51		%PASSING#20	99.57
WEIGHT RETAINED ON #40	1.81		%PASSING#40	98.59
WEIGHT RETAINED ON #60	28.89		%PASSING#60	82.96
WEIGHT RETAINED ON #80	72.78		%PASSING#80	43.58
WEIGHT RETAINED ON #100	39.20		%PASSING#100	22.37
WEIGHT RETAINED ON #200	37.68		%PASSING#200	1.98
WEIGHT RETAINED ON #230	0.89		%PASSING#230	1.50

ANALYSIS DATE/TIME:	6/1/2010	8:56	**INITIAL WEIGHT(g):**	94.04
ANALYST:	MDS			
SAMPLE ID#:	803330			
Sample 15	Weight of Soil in Pan (g)			% Passing
WEIGHT RETAINED ON #4	0.24		%PASSING#4	99.74
WEIGHT RETAINED ON #10	5.63		%PASSING#10	93.76
WEIGHT RETAINED ON #20	6.53		%PASSING#20	86.81
WEIGHT RETAINED ON #40	7.29		%PASSING#40	79.06
WEIGHT RETAINED ON #60	17.65		%PASSING#60	60.29
WEIGHT RETAINED ON #80	24.89		%PASSING#80	33.83
WEIGHT RETAINED ON #100	13.04		%PASSING#100	19.96
WEIGHT RETAINED ON #200	14.03		%PASSING#200	5.04
WEIGHT RETAINED ON #230	0.93		%PASSING#230	4.05

GRAIN SIZE SIEVE ANALYSIS

PAGE 6 **Run #:** 67197

ANALYSIS DATE/TIME:	6/1/2010	9:07	**INITIAL WEIGHT(g):**	164.81
ANALYST:	MDS			
SAMPLE ID#:	803331			
Sample 16	Weight of Soil in Pan (g)			% Passing
WEIGHT RETAINED ON #4	0.00		%PASSING#4	100.00
WEIGHT RETAINED ON #10	7.69		%PASSING#10	95.33
WEIGHT RETAINED ON #20	9.21		%PASSING#20	89.75
WEIGHT RETAINED ON #40	4.59		%PASSING#40	86.96
WEIGHT RETAINED ON #60	14.09		%PASSING#60	78.41
WEIGHT RETAINED ON #80	69.11		%PASSING#80	36.48
WEIGHT RETAINED ON #100	25.05		%PASSING#100	21.28
WEIGHT RETAINED ON #200	25.39		%PASSING#200	5.87
WEIGHT RETAINED ON #230	2.01		%PASSING#230	4.65

ANALYSIS DATE/TIME:	6/1/2010	9:19	**INITIAL WEIGHT(g):**	172.63
ANALYST:	MDS			
SAMPLE ID#:	803332			
Sample 17	Weight of Soil in Pan (g)			% Passing
WEIGHT RETAINED ON #4	0.00		%PASSING#4	100.00
WEIGHT RETAINED ON #10	0.27		%PASSING#10	99.84
WEIGHT RETAINED ON #20	0.72		%PASSING#20	99.43
WEIGHT RETAINED ON #40	3.92		%PASSING#40	97.16
WEIGHT RETAINED ON #60	27.62		%PASSING#60	81.16
WEIGHT RETAINED ON #80	57.62		%PASSING#80	47.78
WEIGHT RETAINED ON #100	34.20		%PASSING#100	27.97
WEIGHT RETAINED ON #200	43.15		%PASSING#200	2.97
WEIGHT RETAINED ON #230	1.36		%PASSING#230	2.18

ANALYSIS DATE/TIME:	6/1/2010	10:01	**INITIAL WEIGHT(g):**	190.45
ANALYST:	MDS			
SAMPLE ID#:	803333			
Sample 18	Weight of Soil in Pan (g)			% Passing
WEIGHT RETAINED ON #4	2.20		%PASSING#4	98.84
WEIGHT RETAINED ON #10	2.32		%PASSING#10	97.63
WEIGHT RETAINED ON #20	4.45		%PASSING#20	95.29
WEIGHT RETAINED ON #40	5.42		%PASSING#40	92.44
WEIGHT RETAINED ON #60	8.29		%PASSING#60	88.09
WEIGHT RETAINED ON #80	57.86		%PASSING#80	57.71
WEIGHT RETAINED ON #100	43.06		%PASSING#100	35.10
WEIGHT RETAINED ON #200	55.35		%PASSING#200	6.04
WEIGHT RETAINED ON #230	2.47		%PASSING#230	4.74

GRAIN SIZE SIEVE ANALYSIS

PAGE 7 **Run #:** 67197

ANALYSIS DATE/TIME:	6/1/2010	10:12	**INITIAL WEIGHT(g):**	173.38
ANALYST:	MDS			
SAMPLE ID#:	803334			

Sample 19	Weight of Soil in Pan (g)		% Passing
WEIGHT RETAINED ON #4	0.00	%PASSING#4	100.00
WEIGHT RETAINED ON #10	16.77	%PASSING#10	90.33
WEIGHT RETAINED ON #20	22.49	%PASSING#20	77.36
WEIGHT RETAINED ON #40	11.62	%PASSING#40	70.65
WEIGHT RETAINED ON #60	12.06	%PASSING#60	63.70
WEIGHT RETAINED ON #80	33.89	%PASSING#80	44.15
WEIGHT RETAINED ON #100	23.23	%PASSING#100	30.75
WEIGHT RETAINED ON #200	41.57	%PASSING#200	6.78
WEIGHT RETAINED ON #230	3.49	%PASSING#230	4.76

INORGANICS
LOGBOOK
DOCUMENTS

S GRAIN SIZE ANALYSI Analytical Run
67197 on 6/2/2010

Date Analyzed: _____ Date Reviewed: _____

Date Entered: _____ Date Validated: _____

COC	ORDER	SAMPLE DECRIPTION	SAMPLE DATE/ TIME	QC TYPE (Parent Sample)	CLIENT	PROJECT	TEST	PREP BATCH	MATRIX	DEL	RUSH
79196	803316		5/20/2010 0825		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	4	Y
79196	803317	BBG-SB44-5-6-10B	5/20/2010 0930		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	4	Y
79196	803318	BBG-SS68-0-1-10B	5/20/2010 1035		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	4	Y
79196	803319	BBG-SS43-0-1-10B	5/20/2010 1045		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	4	Y
79196	803320	BBG-SB43-3-4-10B	5/20/2010 1200		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	4	Y
79196	803321	BBG-SS70-0-1-10B	5/20/2010 1210		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	4	Y
79196	803322	BBG-SB70-1-2-10B	5/20/2010 1520		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	4	Y
79196	803333	BBG-SS41-0-1-10B	5/21/2010 0825		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	4	Y
79196	803334	BBG-SS82-0-1-10B	5/21/2010 0840		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	4	Y
79196	803323	BBG-SB82-2-3-10B	5/20/2010 1525		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	4	Y
79196	803324	BBG-SB41-1-2-10B	5/20/2010 1610		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	4	Y
79196	803325	BBG-SS69-0-1-10B	5/20/2010 1620		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	4	Y
79196	803326	BBG-SB69-2-3-10B	5/20/2010 1820		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	4	Y
79196	803327	BBG-SB64-1-2-10B	5/20/2010 1745		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	4	Y
79196	803328	BBG-SB65-1-2-10B	5/20/2010 1815		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	4	Y
		BBG-SS64-0-1-10B									

Matrix: S-Soil Slg-Sludge GW-GroundWater M-Misc Waste SW-Surface Water A-Air WW-WasteWater DW-Drinking Water SD=Sediment Leachate=LE

S GRAIN SIZE ANALYSI Analytical Run
67197 on 6/2/2010

Date Analyzed: _____ Date Reviewed: _____

Date Entered: _____ Date Validated: _____

COC	ORDER	SAMPLE DECRIPTION	SAMPLE DATE/ TIME	QC TYPE (Parent Sample)	CLIENT	PROJECT	TEST	PREP BATCH	MATRIX	DEL	RUSH
79196	803329	BBG-SS35-0-1-10B	5/20/2010 1650		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	**4**	Y
79196	803330	BBG-SS66-0-1-10B	5/20/2010 1720		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	**4**	Y
79196	803331	BBG-SS65-0-1-10B	5/20/2010 1740		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	**4**	Y
79196	803332	BBG-SB35-2-3-10B	5/20/2010 1700		COMPUCHEM	CTO-094 MCB CAMP LEJ	GRAIN SIZE ANALYSI		S	**4**	Y

19 SAMPLE COUNT ON RUN, INCLUDING METHOD AND INSTRUMENT QC

Matrix: S-Soil Slg-Sludge GW-GroundWater M-Misc Waste SW-Surface Water A-Air WW-WasteWater DW-Drinking Water SD=Sediment Leachate=LE

LIMS #: 67197	Method: Grain Size			
Analysis Date	Analyst / Data Interpreter	Independent Reviewer	Date of Review	Approved
05/31/10, 06/01/10	BMS	BLA	06-1-10	Yes ... No

Instructions: Complete one checklist per *analytical run*. Enter the appropriate response for each question. Each "No" response requires an explanation in the Comments section, and may require the initiation of a Nonconformance Report.

Requirement:	Acceptance Criteria	Analyst Review		Independent Review		Comments: (indicate reference to an attachment if necessary)
		Yes	No	Yes	No	
1. Was enough sample provided to perform analysis?	Minimum of 100-150 g of dried sample.		✓		✓	803330 <100g
2. Are all samples on the job lists accounted for?	---	✓		✓		

CHAIN OF CUSTODY,
PM CONFIRMATION
AND
SAMPLE CONDITION FORMS
DOCUMENTS

Folder #: 79196

PM LOGIN CONFIRMATION

********RUSH PROJECT********
ANALYSIS DUE 6/2/2010

Company: COMPUCHEM **Contract #:** 2186 **Project:** CTO-094 MCB CAMP LEJ **Proj #:**

PO Number: **Invoice #:** 79292 **Project Manager:** *PML*

Date Received: 05/27/10 **Log Date:** 5/27/2010 **Projected Sample Disposal Date:** 4 **days from receipt date**

Report To: CATHY DOVER CC:
501 MADISON AVENUE

CARY, NC 27513
Phone: 919-379-4089: Fax: 919-379-4040
Rep. E-Mail cdover@compuchemlabs.com

Invoice To :ROBERT GATES CC:
501 MADISON AVENUE

CARY, NC 27513
Phone: 919-379-4003 Fax:
EMail: robg@compuchemlabs.com

Collected By:
Collector's Phone: 919-379-4089

Arrival Temperature: oC

SAMPLE #: 803316 DESCR: BBG-SB44-5-6-10B MATRIX: SOIL SAMPLED: 5/20/2010 Time: 0825 CLIENT SAMPLE #:

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/16/2010	6/2/2010	*Y*	Logged

SAMPLE #: 803317 DESCR: BBG-SS68-0-1-10B MATRIX: SOIL SAMPLED: 5/20/2010 Time: 0930 CLIENT SAMPLE #:

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/16/2010	6/2/2010	*Y*	Logged

SAMPLE #: 803318 DESCR: BBG-SS43-0-1-10B MATRIX: SOIL SAMPLED: 5/20/2010 Time: 1035 CLIENT SAMPLE #:

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/16/2010	6/2/2010	*Y*	Logged

SAMPLE #: 803319 DESCR: BBG-SB43-3-4-10B MATRIX: SOIL SAMPLED: 5/20/2010 Time: 1045 CLIENT SAMPLE #:

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/16/2010	6/2/2010	*Y*	Logged

Folder #: 79196 **Company:** *COMPUCHEM* **Project:** CTO-094 MCB CAMP LEJ

SAMPLE #: 803320 **DESCR:** BBG-SS70-0-1-10B **MATRIX:** SOIL **SAMPLED:** 5/20/2010 **Time:** 1200 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/16/2010	6/2/2010	*Y*	Logged

SAMPLE #: 803321 **DESCR:** BBG-SB70-1-2-10B **MATRIX:** SOIL **SAMPLED:** 5/20/2010 **Time:** 1210 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/16/2010	6/2/2010	*Y*	Logged

SAMPLE #: 803322 **DESCR:** BBG-SS41-0-1-10B **MATRIX:** SOIL **SAMPLED:** 5/20/2010 **Time:** 1520 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/16/2010	6/2/2010	*Y*	Logged

SAMPLE #: 803323 **DESCR:** BBG-SB41-1-2-10B **MATRIX:** SOIL **SAMPLED:** 5/20/2010 **Time:** 1525 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/16/2010	6/2/2010	*Y*	Logged

SAMPLE #: 803324 **DESCR:** BBG-SS69-0-1-10B **MATRIX:** SOIL **SAMPLED:** 5/20/2010 **Time:** 1610 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/16/2010	6/2/2010	*Y*	Logged

SAMPLE #: 803325 **DESCR:** BBG-SB69-2-3-10B **MATRIX:** SOIL **SAMPLED:** 5/20/2010 **Time:** 1620 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/16/2010	6/2/2010	*Y*	Logged

SAMPLE #: 803326 **DESCR:** BBG-SB64-1-2-10B **MATRIX:** SOIL **SAMPLED:** 5/20/2010 **Time:** 1820 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/16/2010	6/2/2010	*Y*	Logged

Folder #: 79196 **Company:** *COMPUCHEM* **Project:** CTO-094 MCB CAMP LEJ

SAMPLE #: 803327 **DESCR:** BBG-SB65-1-2-10B **MATRIX:** SOIL **SAMPLED:** 5/20/2010 **Time:** 1745 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/16/2010	6/2/2010	*Y*	Logged

SAMPLE #: 803328 **DESCR:** BBG-SS64-0-1-10B **MATRIX:** SOIL **SAMPLED:** 5/20/2010 **Time:** 1815 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/16/2010	6/2/2010	*Y*	Logged

SAMPLE #: 803329 **DESCR:** BBG-SS35-0-1-10B **MATRIX:** SOIL **SAMPLED:** 5/20/2010 **Time:** 1650 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/16/2010	6/2/2010	*Y*	Logged

SAMPLE #: 803330 **DESCR:** BBG-SS66-0-1-10B **MATRIX:** SOIL **SAMPLED:** 5/20/2010 **Time:** 1720 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/16/2010	6/2/2010	*Y*	Logged

SAMPLE #: 803331 **DESCR:** BBG-SS65-0-1-10B **MATRIX:** SOIL **SAMPLED:** 5/20/2010 **Time:** 1740 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/16/2010	6/2/2010	*Y*	Logged

SAMPLE #: 803332 **DESCR:** BBG-SB35-2-3-10B **MATRIX:** SOIL **SAMPLED:** 5/20/2010 **Time:** 1700 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/16/2010	6/2/2010	*Y*	Logged

SAMPLE #: 803333 **DESCR:** BBG-SS82-0-1-10B **MATRIX:** SOIL **SAMPLED:** 5/21/2010 **Time:** 0825 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/17/2010	6/2/2010	*Y*	Logged

Folder #: 79196 **Company:** *COMPUCHEM* **Project:** CTO-094 MCB CAMP LEJ

SAMPLE #: 803334 **DESCR:** BBG-SB82-2-3-10B **MATRIX:** SOIL **SAMPLED:** 5/21/2010 **Time:** 0840 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
100	GRAIN SIZE ANALYSI				11/17/2010	6/2/2010	*Y*	Logged

Invoice Details

Invoice: *79292* **Amount:** $ 950.00

Item	Quantity	Matrix	Surcharge	Unit Price
GRAIN SIZE ANALYSI	19	SOIL		**50.00**

Bottle Information

Container	# Containers	Tests
SOLIDS	**19**	%SOL,GSA

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Sample Condition Report

Folder #: 79196
Client: COMPUCHEM

Print Date / Time: 05/27/2010 12:47
Received Date / Time / By: 05/27/2010 1200 JLS

Project Name: CTO-094 MCB CAMP LEJ
Project #:

Log-In Date / Time / By: 05/27/2010 1246 JLS
PM: PML

Coolers: TEST AMERICA COOLER
Custody Seals Present : **Y**

Temperature: AMBIENT C On Ice: **N**
COC Present:? **Y** Complete? **Y**

Seal Intact? **Y**
Ship Method: UPS
Adequate Packaging: **Y**

Numbers: DATED AND SIGNED
Tracking Number: 1ZA1R1110147709980
Temp Blank Enclosed? **N**

Notes: SAMPLES REC'D IN GOOD CONDITION. NO ICE PRESENT, NO TEMP BLANK
1 CUSTODY SEAL INTACT DATED 5/26/10 AND SIGNED

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
803316 BBG-SB44-5-6-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803317 BBG-SS68-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803318 BBG-SS43-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803319 BBG-SB43-3-4-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803320 BBG-SS70-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803321 BBG-SB70-1-2-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
803322 BBG-SS41-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803323 BBG-SB41-1-2-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803324 BBG-SS69-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803325 BBG-SB69-2-3-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803326 BBG-SB64-1-2-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803327 BBG-SB65-1-2-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803328 BBG-SS64-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803329 BBG-SS35-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803330 BBG-SS66-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
803331 BBG-SS65-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803332 BBG-SB35-2-3-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803333 BBG-SS82-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803334 BBG-SB82-2-3-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Condition Code	*Condition Description*
1	Sample Received OK

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ANALYTICAL REPORT

This report at a minimum contains the following information:

- Analytical Report of Test Results
- Description of QC Qualifiers
- Chain of Custody (copy)
- Sample Condition Report
- Quality Control Summary
- Case Narrative (if applicable)
- Correspondence with Client (if applicable)

For analyses that require NELAP accreditation, all analytes, by matrix and method, are accredited following current NELAP standards unless specifically noted in this document.

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ANALYTICAL REPORT

COMPUCHEM
CATHY DOVER
501 MADISON AVENUE
CARY, NC 27513

Project Name: CTO-094 MCB CAMP LEJ
Contract #: 2186
Project #:
Folder #: 79196
Purchase Order #:

Arrival Temperature: See COC
Report Date: 6/1/2010
Date Received: 5/27/2010
Reprint Date: 6/2/2010

CT LAB#: 803316 Sample Description: BBG-SB44-5-6-10B Sampled: 5/20/2010 0825

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	92.2	%Passing	0.10	0.10	0.10	1			05/31/2010 11:21	BMS	ASTM C136-84A
#100 Sieve	37.5	%Passing	0.10	0.10	0.10	1			05/31/2010 11:21	BMS	ASTM C136-84A
#20 Sieve	80.3	%Passing	0.10	0.10	0.10	1			05/31/2010 11:21	BMS	ASTM C136-84A
#200 Sieve	12.1	%Passing	0.10	0.10	0.10	1			05/31/2010 11:21	BMS	ASTM C136-84A
#230 Sieve	8.9	%Passing	0.10	0.10	0.10	1			05/31/2010 11:21	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	0.10	0.10	0.10	1			05/31/2010 11:21	BMS	ASTM C136-84A
#40 Sieve	74.7	%Passing	0.10	0.10	0.10	1			05/31/2010 11:21	BMS	ASTM C136-84A
#60 Sieve	68.5	%Passing	0.10	0.10	0.10	1			05/31/2010 11:21	BMS	ASTM C136-84A
#80 Sieve	49.7	%Passing	0.10	0.10	0.10	1			05/31/2010 11:21	BMS	ASTM C136-84A

CT LAB#: 803317 Sample Description: BBG-SS68-0-1-10B Sampled: 5/20/2010 0930

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	99.4	%Passing	0.10	0.10	0.10	1			05/31/2010 11:31	BMS	ASTM C136-84A
#100 Sieve	30.0	%Passing	0.10	0.10	0.10	1			05/31/2010 11:31	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 803317 Sample Description: BBG-SS68-0-1-10B Sampled: 5/20/2010 0930

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
#20 Sieve	97.8	%Passing	0.10	0.10	0.10	1			05/31/2010 11:31	BMS	ASTM C136-84A
#200 Sieve	6.3	%Passing	0.10	0.10	0.10	1			05/31/2010 11:31	BMS	ASTM C136-84A
#230 Sieve	5.0	%Passing	0.10	0.10	0.10	1			05/31/2010 11:31	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	0.10	0.10	0.10	1			05/31/2010 11:31	BMS	ASTM C136-84A
#40 Sieve	95.7	%Passing	0.10	0.10	0.10	1			05/31/2010 11:31	BMS	ASTM C136-84A
#60 Sieve	89.0	%Passing	0.10	0.10	0.10	1			05/31/2010 11:31	BMS	ASTM C136-84A
#80 Sieve	54.9	%Passing	0.10	0.10	0.10	1			05/31/2010 11:31	BMS	ASTM C136-84A

CT LAB#: 803318 Sample Description: BBG-SS43-0-1-10B Sampled: 5/20/2010 1035

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	99.9	%Passing	0.10	0.10	0.10	1			05/31/2010 11:41	BMS	ASTM C136-84A
#100 Sieve	26.8	%Passing	0.10	0.10	0.10	1			05/31/2010 11:41	BMS	ASTM C136-84A
#20 Sieve	99.4	%Passing	0.10	0.10	0.10	1			05/31/2010 11:41	BMS	ASTM C136-84A
#200 Sieve	2.0	%Passing	0.10	0.10	0.10	1			05/31/2010 11:41	BMS	ASTM C136-84A
#230 Sieve	1.3	%Passing	0.10	0.10	0.10	1			05/31/2010 11:41	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	0.10	0.10	0.10	1			05/31/2010 11:41	BMS	ASTM C136-84A
#40 Sieve	96.8	%Passing	0.10	0.10	0.10	1			05/31/2010 11:41	BMS	ASTM C136-84A
#60 Sieve	81.8	%Passing	0.10	0.10	0.10	1			05/31/2010 11:41	BMS	ASTM C136-84A
#80 Sieve	45.5	%Passing	0.10	0.10	0.10	1			05/31/2010 11:41	BMS	ASTM C136-84A

CT LAB#: 803319 Sample Description: BBG-SB43-3-4-10B Sampled: 5/20/2010 1045

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	99.6	%Passing	0.10	0.10	0.10	1			05/31/2010 11:51	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 803319 Sample Description: BBG-SB43-3-4-10B Sampled: 5/20/2010 1045

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
#100 Sieve	15.9	%Passing	0.10	0.10	0.10	1			05/31/2010 11:51	BMS	ASTM C136-84A
#20 Sieve	99.0	%Passing	0.10	0.10	0.10	1			05/31/2010 11:51	BMS	ASTM C136-84A
#200 Sieve	1.3	%Passing	0.10	0.10	0.10	1			05/31/2010 11:51	BMS	ASTM C136-84A
#230 Sieve	0.91	%Passing	0.10	0.10	0.10	1			05/31/2010 11:51	BMS	ASTM C136-84A
#4 Sieve	99.9	%Passing	0.10	0.10	0.10	1			05/31/2010 11:51	BMS	ASTM C136-84A
#40 Sieve	96.0	%Passing	0.10	0.10	0.10	1			05/31/2010 11:51	BMS	ASTM C136-84A
#60 Sieve	76.4	%Passing	0.10	0.10	0.10	1			05/31/2010 11:51	BMS	ASTM C136-84A
#80 Sieve	32.4	%Passing	0.10	0.10	0.10	1			05/31/2010 11:51	BMS	ASTM C136-84A

CT LAB#: 803320 Sample Description: BBG-SS70-0-1-10B Sampled: 5/20/2010 1200

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	99.8	%Passing	0.10	0.10	0.10	1			05/31/2010 12:01	BMS	ASTM C136-84A
#100 Sieve	15.5	%Passing	0.10	0.10	0.10	1			05/31/2010 12:01	BMS	ASTM C136-84A
#20 Sieve	99.6	%Passing	0.10	0.10	0.10	1			05/31/2010 12:01	BMS	ASTM C136-84A
#200 Sieve	0.94	%Passing	0.10	0.10	0.10	1			05/31/2010 12:01	BMS	ASTM C136-84A
#230 Sieve	0.71	%Passing	0.10	0.10	0.10	1			05/31/2010 12:01	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	0.10	0.10	0.10	1			05/31/2010 12:01	BMS	ASTM C136-84A
#40 Sieve	95.7	%Passing	0.10	0.10	0.10	1			05/31/2010 12:01	BMS	ASTM C136-84A
#60 Sieve	68.9	%Passing	0.10	0.10	0.10	1			05/31/2010 12:01	BMS	ASTM C136-84A
#80 Sieve	30.7	%Passing	0.10	0.10	0.10	1			05/31/2010 12:01	BMS	ASTM C136-84A

CT LAB#: 803321 Sample Description: BBG-SB70-1-2-10B Sampled: 5/20/2010 1210

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											

Solid sample results reported on a Dry Weight Basis

CT LAB#: 803321 Sample Description: BBG-SB70-1-2-10B Sampled: 5/20/2010 1210

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
#10 Sieve	98.9	%Passing	0.10	0.10	0.10	1			05/31/2010 12:12	BMS	ASTM C136-84A
#100 Sieve	11.6	%Passing	0.10	0.10	0.10	1			05/31/2010 12:12	BMS	ASTM C136-84A
#20 Sieve	98.0	%Passing	0.10	0.10	0.10	1			05/31/2010 12:12	BMS	ASTM C136-84A
#200 Sieve	1.4	%Passing	0.10	0.10	0.10	1			05/31/2010 12:12	BMS	ASTM C136-84A
#230 Sieve	1.2	%Passing	0.10	0.10	0.10	1			05/31/2010 12:12	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	0.10	0.10	0.10	1			05/31/2010 12:12	BMS	ASTM C136-84A
#40 Sieve	93.8	%Passing	0.10	0.10	0.10	1			05/31/2010 12:12	BMS	ASTM C136-84A
#60 Sieve	70.3	%Passing	0.10	0.10	0.10	1			05/31/2010 12:12	BMS	ASTM C136-84A
#80 Sieve	23.9	%Passing	0.10	0.10	0.10	1			05/31/2010 12:12	BMS	ASTM C136-84A

CT LAB#: 803322 Sample Description: BBG-SS41-0-1-10B Sampled: 5/20/2010 1520

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	99.4	%Passing	0.10	0.10	0.10	1			05/31/2010 12:22	BMS	ASTM C136-84A
#100 Sieve	24.4	%Passing	0.10	0.10	0.10	1			05/31/2010 12:22	BMS	ASTM C136-84A
#20 Sieve	97.4	%Passing	0.10	0.10	0.10	1			05/31/2010 12:22	BMS	ASTM C136-84A
#200 Sieve	4.1	%Passing	0.10	0.10	0.10	1			05/31/2010 12:22	BMS	ASTM C136-84A
#230 Sieve	2.2	%Passing	0.10	0.10	0.10	1			05/31/2010 12:22	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	0.10	0.10	0.10	1			05/31/2010 12:22	BMS	ASTM C136-84A
#40 Sieve	94.9	%Passing	0.10	0.10	0.10	1			05/31/2010 12:22	BMS	ASTM C136-84A
#60 Sieve	77.1	%Passing	0.10	0.10	0.10	1			05/31/2010 12:22	BMS	ASTM C136-84A
#80 Sieve	42.1	%Passing	0.10	0.10	0.10	1			05/31/2010 12:22	BMS	ASTM C136-84A

CT LAB#: 803323 Sample Description: BBG-SB41-1-2-10B Sampled: 5/20/2010 1525

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method

Solid sample results reported on a Dry Weight Basis

CT LAB#: 803323 Sample Description: BBG-SB41-1-2-10B Sampled: 5/20/2010 1525

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	98.0	%Passing	0.10	0.10	0.10	1			06/01/2010	7:20	BMS	ASTM C136-84A
#100 Sieve	20.9	%Passing	0.10	0.10	0.10	1			06/01/2010	7:20	BMS	ASTM C136-84A
#20 Sieve	93.8	%Passing	0.10	0.10	0.10	1			06/01/2010	7:20	BMS	ASTM C136-84A
#200 Sieve	5.5	%Passing	0.10	0.10	0.10	1			06/01/2010	7:20	BMS	ASTM C136-84A
#230 Sieve	4.4	%Passing	0.10	0.10	0.10	1			06/01/2010	7:20	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	0.10	0.10	0.10	1			06/01/2010	7:20	BMS	ASTM C136-84A
#40 Sieve	89.6	%Passing	0.10	0.10	0.10	1			06/01/2010	7:20	BMS	ASTM C136-84A
#60 Sieve	72.6	%Passing	0.10	0.10	0.10	1			06/01/2010	7:20	BMS	ASTM C136-84A
#80 Sieve	37.0	%Passing	0.10	0.10	0.10	1			06/01/2010	7:20	BMS	ASTM C136-84A

CT LAB#: 803324 Sample Description: BBG-SS69-0-1-10B Sampled: 5/20/2010 1610

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	99.6	%Passing	0.10	0.10	0.10	1			06/01/2010	7:30	BMS	ASTM C136-84A
#100 Sieve	48.6	%Passing	0.10	0.10	0.10	1			06/01/2010	7:30	BMS	ASTM C136-84A
#20 Sieve	97.4	%Passing	0.10	0.10	0.10	1			06/01/2010	7:30	BMS	ASTM C136-84A
#200 Sieve	5.3	%Passing	0.10	0.10	0.10	1			06/01/2010	7:30	BMS	ASTM C136-84A
#230 Sieve	3.4	%Passing	0.10	0.10	0.10	1			06/01/2010	7:30	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	0.10	0.10	0.10	1			06/01/2010	7:30	BMS	ASTM C136-84A
#40 Sieve	94.2	%Passing	0.10	0.10	0.10	1			06/01/2010	7:30	BMS	ASTM C136-84A
#60 Sieve	84.8	%Passing	0.10	0.10	0.10	1			06/01/2010	7:30	BMS	ASTM C136-84A
#80 Sieve	65.3	%Passing	0.10	0.10	0.10	1			06/01/2010	7:30	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 803325 Sample Description: BBG-SB69-2-3-10B Sampled: 5/20/2010 1620

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	87.5	%Passing	0.10	0.10	0.10	1			06/01/2010	7:41	BMS	ASTM C136-84A
#100 Sieve	42.1	%Passing	0.10	0.10	0.10	1			06/01/2010	7:41	BMS	ASTM C136-84A
#20 Sieve	76.4	%Passing	0.10	0.10	0.10	1			06/01/2010	7:41	BMS	ASTM C136-84A
#200 Sieve	5.7	%Passing	0.10	0.10	0.10	1			06/01/2010	7:41	BMS	ASTM C136-84A
#230 Sieve	3.5	%Passing	0.10	0.10	0.10	1			06/01/2010	7:41	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	0.10	0.10	0.10	1			06/01/2010	7:41	BMS	ASTM C136-84A
#40 Sieve	71.2	%Passing	0.10	0.10	0.10	1			06/01/2010	7:41	BMS	ASTM C136-84A
#60 Sieve	68.9	%Passing	0.10	0.10	0.10	1			06/01/2010	7:41	BMS	ASTM C136-84A
#80 Sieve	55.0	%Passing	0.10	0.10	0.10	1			06/01/2010	7:41	BMS	ASTM C136-84A

CT LAB#: 803326 Sample Description: BBG-SB64-1-2-10B Sampled: 5/20/2010 1820

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	96.6	%Passing	0.10	0.10	0.10	1			06/01/2010	8:12	BMS	ASTM C136-84A
#100 Sieve	55.1	%Passing	0.10	0.10	0.10	1			06/01/2010	8:12	BMS	ASTM C136-84A
#20 Sieve	89.4	%Passing	0.10	0.10	0.10	1			06/01/2010	8:12	BMS	ASTM C136-84A
#200 Sieve	13.7	%Passing	0.10	0.10	0.10	1			06/01/2010	8:12	BMS	ASTM C136-84A
#230 Sieve	8.5	%Passing	0.10	0.10	0.10	1			06/01/2010	8:12	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	0.10	0.10	0.10	1			06/01/2010	8:12	BMS	ASTM C136-84A
#40 Sieve	84.8	%Passing	0.10	0.10	0.10	1			06/01/2010	8:12	BMS	ASTM C136-84A
#60 Sieve	80.4	%Passing	0.10	0.10	0.10	1			06/01/2010	8:12	BMS	ASTM C136-84A
#80 Sieve	68.5	%Passing	0.10	0.10	0.10	1			06/01/2010	8:12	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 803327 Sample Description: BBG-SB65-1-2-10B Sampled: 5/20/2010 1745

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	93.3	%Passing	0.10	0.10	0.10	1			06/01/2010	8:23	BMS	ASTM C136-84A
#100 Sieve	19.3	%Passing	0.10	0.10	0.10	1			06/01/2010	8:23	BMS	ASTM C136-84A
#20 Sieve	85.8	%Passing	0.10	0.10	0.10	1			06/01/2010	8:23	BMS	ASTM C136-84A
#200 Sieve	6.7	%Passing	0.10	0.10	0.10	1			06/01/2010	8:23	BMS	ASTM C136-84A
#230 Sieve	5.4	%Passing	0.10	0.10	0.10	1			06/01/2010	8:23	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	0.10	0.10	0.10	1			06/01/2010	8:23	BMS	ASTM C136-84A
#40 Sieve	82.3	%Passing	0.10	0.10	0.10	1			06/01/2010	8:23	BMS	ASTM C136-84A
#60 Sieve	68.2	%Passing	0.10	0.10	0.10	1			06/01/2010	8:23	BMS	ASTM C136-84A
#80 Sieve	31.6	%Passing	0.10	0.10	0.10	1			06/01/2010	8:23	BMS	ASTM C136-84A

CT LAB#: 803328 Sample Description: BBG-SS64-0-1-10B Sampled: 5/20/2010 1815

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	98.0	%Passing	0.10	0.10	0.10	1			06/01/2010	8:34	BMS	ASTM C136-84A
#100 Sieve	48.7	%Passing	0.10	0.10	0.10	1			06/01/2010	8:34	BMS	ASTM C136-84A
#20 Sieve	92.8	%Passing	0.10	0.10	0.10	1			06/01/2010	8:34	BMS	ASTM C136-84A
#200 Sieve	10.3	%Passing	0.10	0.10	0.10	1			06/01/2010	8:34	BMS	ASTM C136-84A
#230 Sieve	6.6	%Passing	0.10	0.10	0.10	1			06/01/2010	8:34	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	0.10	0.10	0.10	1			06/01/2010	8:34	BMS	ASTM C136-84A
#40 Sieve	89.1	%Passing	0.10	0.10	0.10	1			06/01/2010	8:34	BMS	ASTM C136-84A
#60 Sieve	82.7	%Passing	0.10	0.10	0.10	1			06/01/2010	8:34	BMS	ASTM C136-84A
#80 Sieve	63.5	%Passing	0.10	0.10	0.10	1			06/01/2010	8:34	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 803329 Sample Description: BBG-SS35-0-1-10B Sampled: 5/20/2010 1650

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	99.8	%Passing	0.10	0.10	0.10	1			06/01/2010	8:45	BMS	ASTM C136-84A
#100 Sieve	22.4	%Passing	0.10	0.10	0.10	1			06/01/2010	8:45	BMS	ASTM C136-84A
#20 Sieve	99.6	%Passing	0.10	0.10	0.10	1			06/01/2010	8:45	BMS	ASTM C136-84A
#200 Sieve	2.0	%Passing	0.10	0.10	0.10	1			06/01/2010	8:45	BMS	ASTM C136-84A
#230 Sieve	1.5	%Passing	0.10	0.10	0.10	1			06/01/2010	8:45	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	0.10	0.10	0.10	1			06/01/2010	8:45	BMS	ASTM C136-84A
#40 Sieve	98.6	%Passing	0.10	0.10	0.10	1			06/01/2010	8:45	BMS	ASTM C136-84A
#60 Sieve	83.0	%Passing	0.10	0.10	0.10	1			06/01/2010	8:45	BMS	ASTM C136-84A
#80 Sieve	43.6	%Passing	0.10	0.10	0.10	1			06/01/2010	8:45	BMS	ASTM C136-84A

CT LAB#: 803330 Sample Description: BBG-SS66-0-1-10B Sampled: 5/20/2010 1720

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	93.8	%Passing	0.10	0.10	0.10	1			06/01/2010	8:56	BMS	ASTM C136-84A
#100 Sieve	20.0	%Passing	0.10	0.10	0.10	1			06/01/2010	8:56	BMS	ASTM C136-84A
#20 Sieve	86.8	%Passing	0.10	0.10	0.10	1			06/01/2010	8:56	BMS	ASTM C136-84A
#200 Sieve	5.0	%Passing	0.10	0.10	0.10	1			06/01/2010	8:56	BMS	ASTM C136-84A
#230 Sieve	4.1	%Passing	0.10	0.10	0.10	1			06/01/2010	8:56	BMS	ASTM C136-84A
#4 Sieve	99.7	%Passing	0.10	0.10	0.10	1			06/01/2010	8:56	BMS	ASTM C136-84A
#40 Sieve	79.1	%Passing	0.10	0.10	0.10	1			06/01/2010	8:56	BMS	ASTM C136-84A
#60 Sieve	60.3	%Passing	0.10	0.10	0.10	1			06/01/2010	8:56	BMS	ASTM C136-84A
#80 Sieve	33.8	%Passing	0.10	0.10	0.10	1			06/01/2010	8:56	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 803331 Sample Description: BBG-SS65-0-1-10B Sampled: 5/20/2010 1740

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	95.3	%Passing	0.10	0.10	0.10	1			06/01/2010	9:07	BMS	ASTM C136-84A
#100 Sieve	21.3	%Passing	0.10	0.10	0.10	1			06/01/2010	9:07	BMS	ASTM C136-84A
#20 Sieve	89.8	%Passing	0.10	0.10	0.10	1			06/01/2010	9:07	BMS	ASTM C136-84A
#200 Sieve	5.9	%Passing	0.10	0.10	0.10	1			06/01/2010	9:07	BMS	ASTM C136-84A
#230 Sieve	4.7	%Passing	0.10	0.10	0.10	1			06/01/2010	9:07	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	0.10	0.10	0.10	1			06/01/2010	9:07	BMS	ASTM C136-84A
#40 Sieve	87.0	%Passing	0.10	0.10	0.10	1			06/01/2010	9:07	BMS	ASTM C136-84A
#60 Sieve	78.4	%Passing	0.10	0.10	0.10	1			06/01/2010	9:07	BMS	ASTM C136-84A
#80 Sieve	36.5	%Passing	0.10	0.10	0.10	1			06/01/2010	9:07	BMS	ASTM C136-84A

CT LAB#: 803332 Sample Description: BBG-SB35-2-3-10B Sampled: 5/20/2010 1700

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time		Analyst	Method
Organic Results												
#10 Sieve	99.8	%Passing	0.10	0.10	0.10	1			06/01/2010	9:19	BMS	ASTM C136-84A
#100 Sieve	28.0	%Passing	0.10	0.10	0.10	1			06/01/2010	9:19	BMS	ASTM C136-84A
#20 Sieve	99.4	%Passing	0.10	0.10	0.10	1			06/01/2010	9:19	BMS	ASTM C136-84A
#200 Sieve	3.0	%Passing	0.10	0.10	0.10	1			06/01/2010	9:19	BMS	ASTM C136-84A
#230 Sieve	2.2	%Passing	0.10	0.10	0.10	1			06/01/2010	9:19	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	0.10	0.10	0.10	1			06/01/2010	9:19	BMS	ASTM C136-84A
#40 Sieve	97.2	%Passing	0.10	0.10	0.10	1			06/01/2010	9:19	BMS	ASTM C136-84A
#60 Sieve	81.2	%Passing	0.10	0.10	0.10	1			06/01/2010	9:19	BMS	ASTM C136-84A
#80 Sieve	47.8	%Passing	0.10	0.10	0.10	1			06/01/2010	9:19	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

CT LAB#: 803333 Sample Description: BBG-SS82-0-1-10B Sampled: 5/21/2010 0825

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	97.6	%Passing	0.10	0.10	0.10	1			06/01/2010 10:01	BMS	ASTM C136-84A
#100 Sieve	35.1	%Passing	0.10	0.10	0.10	1			06/01/2010 10:01	BMS	ASTM C136-84A
#20 Sieve	95.3	%Passing	0.10	0.10	0.10	1			06/01/2010 10:01	BMS	ASTM C136-84A
#200 Sieve	6.0	%Passing	0.10	0.10	0.10	1			06/01/2010 10:01	BMS	ASTM C136-84A
#230 Sieve	4.7	%Passing	0.10	0.10	0.10	1			06/01/2010 10:01	BMS	ASTM C136-84A
#4 Sieve	98.8	%Passing	0.10	0.10	0.10	1			06/01/2010 10:01	BMS	ASTM C136-84A
#40 Sieve	92.4	%Passing	0.10	0.10	0.10	1			06/01/2010 10:01	BMS	ASTM C136-84A
#60 Sieve	88.1	%Passing	0.10	0.10	0.10	1			06/01/2010 10:01	BMS	ASTM C136-84A
#80 Sieve	57.7	%Passing	0.10	0.10	0.10	1			06/01/2010 10:01	BMS	ASTM C136-84A

CT LAB#: 803334 Sample Description: BBG-SB82-2-3-10B Sampled: 5/21/2010 0840

Analyte	Result	Units	LOD	LOQ	Reporting Limit	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results											
#10 Sieve	90.3	%Passing	0.10	0.10	0.10	1			06/01/2010 10:12	BMS	ASTM C136-84A
#100 Sieve	30.8	%Passing	0.10	0.10	0.10	1			06/01/2010 10:12	BMS	ASTM C136-84A
#20 Sieve	77.4	%Passing	0.10	0.10	0.10	1			06/01/2010 10:12	BMS	ASTM C136-84A
#200 Sieve	6.8	%Passing	0.10	0.10	0.10	1			06/01/2010 10:12	BMS	ASTM C136-84A
#230 Sieve	4.8	%Passing	0.10	0.10	0.10	1			06/01/2010 10:12	BMS	ASTM C136-84A
#4 Sieve	100	%Passing	0.10	0.10	0.10	1			06/01/2010 10:12	BMS	ASTM C136-84A
#40 Sieve	70.7	%Passing	0.10	0.10	0.10	1			06/01/2010 10:12	BMS	ASTM C136-84A
#60 Sieve	63.7	%Passing	0.10	0.10	0.10	1			06/01/2010 10:12	BMS	ASTM C136-84A
#80 Sieve	44.2	%Passing	0.10	0.10	0.10	1			06/01/2010 10:12	BMS	ASTM C136-84A

Solid sample results reported on a Dry Weight Basis

Notes: ^ Indicates the laboratory is NELAP accredited for this analyte by the indicated matrix and method.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

This report has been specifically prepared to satisfy project or program requirements. The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Level of uncertainty measurements only provided upon pre-approved request.

Submitted by: PML r
Project Manager
608-356-2760

Current CT Laboratories Certifications

Illinois NELAP ID# 200046

Kansas NELAP ID# E-10368

Kentucky ID# 0023

Pennsylvania NELAP ID# 68-04201

New Jersey NELAP ID# WI001

North Dakota ID# R-171

Wisconsin (WDNR) Chemistry ID# 157066030

Wisconsin (DATCP) Bacteriology ID# 105-289

DoD-ELAP Accreditation Cert # ADE-1453

GA EPD Stipulation

Accreditor:	IL NELAP
Accreditation ID:	200046
Scope:	Hazardous/Solid Waste Non-potable water
Effective:	11/19/2009
Expires:	09/30/2010

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SUBCONTRACT CHAIN-OF-CUSTODY RECORD

COMPUCHEM
a division of Liberty Analytical Corp.

501 Madison Avenue
Cary, NC 27513
1-800-833-5097

Project Name: CTO-094 MCB CAMP LEJEUNE
TAT: 7 calendar days
Report style: level IV
Disk requirement: SNEDD

Samples shipped to: CT LABS
Contact: Pat Letterer
Address:
Phone: ( )
Project Locale (state) NC

CompuChem point-of-contact: (4) CATHY DOVER
Phone: (919) 379-4100 X 4089
Fax: (919) 379- 4050
Sampling complete? (Y) or N (see Note 1)
Project-specific (PS) or Batch (B) QC? per method

BOX #1
1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil / Sediment / Sludge
6. Trip Blank
7. Oil
8. Waste
9. Other _____

BOX #2
A. HCl + Ice
B. HNO_3 + Ice
C. NaOH + Ice
D. H_2SO_4 + Ice
E. Unpreserved
F. Ice Only
G. Other _____
H. $NaHSO_4$ + Ice
I. ZnAc+NaOH + Ice
J. Methanol

BOX #3
F- Filtered
U- Unfiltered

BOX #4
H- High
M-
L-

BOX #5
C- CLP
T- TCLP

Folder #: 79196
Company: COMPUCHEM
Project: CTO-094 MCB CAMP LE
Logged By: JLS PM: PM

Sample ID	Date / Year 2010	Time	Box #1 Matrix	Box #2 Preservative	Box #3 Filtered / Unfiltered	Box #4 Expected Conc.	Box #5 Method	# of Bottles	Use for Lab QC (MS or DUP)	grainsize (Steve only)	PARAMETERS				CCN
79196 BBG-SB44-5-6-10B	5/20	0825	5	E	U			1		✓					803316
BBG-SS68-0-1-10B		0930								✓					803317
BBG-SS43-0-1-10B		1035								✓					803318
BBG-SB43-3-4-10B		1045								✓					803319
BBG-SS70-0-1-10B		1200								✓					803320
BBG-SB70-1-2-10B		1210								✓					803321
BBG-SS41-0-1-10B		1520								✓					803322
BBG-SB41-1-2-10B		1525								✓					803323
BBG-SS69-0-1-10B		1610								✓					803324
BBG-SB69-2-3-10B	✓	1620	✓	✓	✓			✓		✓					803325

Clients Special Instructions:

Temperature _____ °C

Lab: Received in good condition? Y or N **Describe any problems:**

#1 Relenquished by:(sig)	Date: 5/26/10	#2 Relinquished by:(sig)	Date:	Relinquished by:(sig)	Date:
Company Name: Compuchem	Time: 1925	Company Name:	Time:	Company Name:	Time:
#1 Received by:(sig)	Date:	#2 Received by:(sig)	Date:	#2 Received by:(sig)	Date:
Company Name:	Time:	Company Name:	Time:	Company Name:	Time: 5/27/10 1247

Note (1) If "N" lab should batch samples to await remainder of project - maximizing batch size and minimizing QC ratio; if "Y" lab should begin processing batches now.
Note (2) Samples should be stored 60 days after date report mailed at no extra charge.
Note (3) All lab copies of data should be retained for a minimum of 3 years.
Note (4) Please call point-of-contact to verify receipt of samples.

NO ice Ambient
5/26/10 1925

T9196 Pg 2 of 2 s 13554

SUBCONTRACT CHAIN-OF-CUSTODY RECORD

COMPUCHEM
a division of Liberty Analytical Corp.

501 Madison Avenue
Cary, NC 27513
1-800-833-5097

Project Name: CTO-094 MCB CAMP LEJEUNE
TAT: 7 calendar days
Report style: level IV
Disk requirement: SNEDD

Samples shipped to: CT LABS
Contact: Pat Letterer
Address:
Phone: ( )
Project Locale (state) NC

CompuChem point-of-contact: (4) CATHY DOVER
Phone: (919) 379-4100 X 4089
Fax: (919) 379-4050
Sampling complete? (Y) or N (see Note 1)
Project-specific (PS) or Batch (B) QC? PS method

BOX #1
1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil / Sediment / Sludge
6. Trip Blank
7. Oil
8. Waste
9. Other _____

BOX #2
A. HCl + Ice
B. HNO_3 + Ice
C. NaOH + Ice
D. H_2SO_4 + Ice
E. Unpreserved
F. Ice Only
G. Other _____
H. $NaHSO_4$ + Ice
I. ZnAc+NaOH + Ice
J. Methanol

BOX #3
F- Filtered
U- Unfiltered

BOX #4
H- High
M- Medium
L- Low

BOX #5
C- CLP
T- TCLP
S - SW-846
W- CWA 600-series
O- Other _____

Sample ID	Date / Year 2010	Time	Box #1 Matrix	Box #2 Preservative	Box #3 Filtered / Unfiltered	Box #4 Expected Conc.	Box #5 Method	# of Bottles	Use for Lab QC (MS or DUP)	grain size (sieves) ASTM D422	PARAMETERS	CCN	Remarks / Comments (see Notes 2 & 3)
BBG-SB64-1-2-10B	5/20	1820	S	E	U			1		✓		803326	
BBG-SB65-1-2-10B		1745								✓		803327	
BBG-SS64-0-1-10B		1815								✓		803328	
BBG-SS35-0-1-10B		1650								✓		803329	
BBG-SS66-0-1-10B		1720								✓		803330	
BBG-SS65-0-1-10B		1740								✓		803331	
BBG-SB35-2-3-10B	↓	1700								✓		803332	
BBG-SS82-0-1-10B	5/21	0825								✓		803333	
BBG-SB82-2-3-10B	↓	0840	↓	↓	↓			↓		✓		803334	

5/26/10

Clients Special Instructions:

Temperature _____ °C

Lab: Received in good condition? Y or N **Describe any problems:**

#1 Relenquished by:(sig) Cathy Dover	Date: 5/26/10	#2 Relinquished by:(sig)	Date:	Relinquished by:(sig)	Date:
Company Name: CompuChem	Time: 1925	Company Name:	Time:	Company Name:	Time:
#1 Received by:(sig)	Date:	#2 Received by:(sig)	Date:	#2 Received by:(sig)	Date: 5/27/10
Company Name:	Time:	Company Name:	Time:	Company Name:	Time: 1246

Note (1) If "N" lab should batch samples to await remainder of project - maximizing batch size and minimizing QC ratio; if "Y" lab should begin processing batches now.
Note (2) Samples should be stored 60 days after date report mailed at no extra charge.
Note (3) All lab copies of data should be retained for a minimum of 3 years.
Note (4) Please call point-of-contact to verify receipt of samples.

NO ice Ambient

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Condition Report

Folder #: 79196
Client: COMPUCHEM

Print Date / Time: 05/27/2010 12:47
Received Date / Time / By: 05/27/2010 1200 JLS

Project Name: CTO-094 MCB CAMP LEJ
Project #:

Log-In Date / Time / By: 05/27/2010 1246 JLS
PM: PML

Coolers: TEST AMERICA COOLER
Custody Seals Present : **Y**

Temperature: AMBIENT C On Ice: **N**
COC Present:? **Y** Complete? **Y**

Seal Intact? **Y**
Ship Method: UPS
Adequate Packaging: **Y**

Numbers: DATED AND SIGNED
Tracking Number: 1ZA1R1110147709980
Temp Blank Enclosed? **N**

Notes: SAMPLES REC'D IN GOOD CONDITION. NO ICE PRESENT, NO TEMP BLANK
1 CUSTODY SEAL INTACT DATED 5/26/10 AND SIGNED

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
803316 BBG-SB44-5-6-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803317 BBG-SS68-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803318 BBG-SS43-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803319 BBG-SB43-3-4-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803320 BBG-SS70-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803321 BBG-SB70-1-2-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
803322 BBG-SS41-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803323 BBG-SB41-1-2-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803324 BBG-SS69-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803325 BBG-SB69-2-3-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803326 BBG-SB64-1-2-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803327 BBG-SB65-1-2-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803328 BBG-SS64-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803329 BBG-SS35-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803330 BBG-SS66-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Sample ID / Description	Container Type	Cond. Code	pH OK?	Tests	Filtered?
803331 BBG-SS65-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803332 BBG-SB35-2-3-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803333 BBG-SS82-0-1-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				
803334 BBG-SB82-2-3-10B	SOLIDS	1		%SOL,GSA	
	Total # of Containers of Type (*SOLIDS*) = 1				

Condition Code	*Condition Description*
1	Sample Received OK

Appendix C
Statistical Summary Tables and Plots

Table C-1
Wilcoxon Rank Sum Comparisons of Surface Soil (SS) Versus Subsurface Soil (SB)

Source	Chemical Group	Parameter	Probability that the Observed Differences Would Occur Purely by Chance	Statistical Decision with 0.05 Signficance Level	Mean SS	Mean SB	Median SS	Median SB	Number of SS Detects	Number of SS Samples	Number of SB Detects	Number of SB Samples	Percent Detects
Undeveloped	METAL	Aluminum	0.000	SB > SS	2770	5720	2070	4640	70	70	61	61	100
Undeveloped	METAL	Antimony	0.000	< 50% Detects	0.937	0.665	0.55	0.375	33	70	20	61	40
Undeveloped	METAL	Arsenic	0.000	< 50% Detects	0.768	2.44	0.64	1.4	23	70	25	61	37
Undeveloped	METAL	Barium	0.344	nsd	7.84	8.44	6	6.8	66	70	61	61	97
Undeveloped	METAL	Beryllium	0.000	SS > SB	0.0734	0.113	0.06	0.06	36	70	34	61	53
Undeveloped	METAL	Cadmium	0.000	< 50% Detects	0.146	0.248	0.115	0.26	12	70	4	61	12
Undeveloped	METAL	Calcium	0.000	SS > SB	3970	301	188	78.1	48	70	36	61	64
Undeveloped	METAL	Chromium	0.000	SB > SS	3.75	8.38	2.5	6.1	78	90	81	81	93
Undeveloped	METAL	Chromium (hexavalent)	0.000	< 50% Detects	27.8	2.22	2.04	1.98	5	40	14	31	27
Undeveloped	METAL	Chromium III and compounds	0.000	SB > SS	3.57	9.25	2.36	8.26	37	40	31	31	96
Undeveloped	METAL	Cobalt	0.000	< 50% Detects	0.244	0.555	0.195	0.32	28	70	37	61	50
Undeveloped	METAL	Copper	0.292	nsd	3.96	1.68	1.25	1.2	52	70	41	61	71
Undeveloped	METAL	Iron	0.012	SB > SS	1590	2910	894	1420	70	70	61	61	100
Undeveloped	METAL	Lead	0.531	nsd	6.74	4.33	3.95	3.5	70	70	61	61	100
Undeveloped	METAL	Magnesium	0.000	SS > SB	228	191	84.9	127	46	70	50	61	73
Undeveloped	METAL	Manganese	0.002	SS > SB	8.1	5.17	5.15	3.2	64	70	60	61	95
Undeveloped	METAL	Mercury	0.000	SS > SB	0.057	0.0401	0.04	0.031	42	70	37	61	60
Undeveloped	METAL	Nickel	0.381	nsd	0.886	1.38	0.675	0.96	54	70	52	61	81
Undeveloped	METAL	Potassium	0.000	SS > SB	69.4	195	46.7	84.5	42	70	50	61	70
Undeveloped	METAL	Selenium	0.000	< 50% Detects	0.698	0.471	0.4	0.42	26	70	25	61	39
Undeveloped	METAL	Silver	0.000	< 50% Detects	0.379	0.18	0.16	0.15	4	70	7	61	8
Undeveloped	METAL	Sodium	0.000	< 50% Detects	2310	.	498	.	6	70	0	61	5
Undeveloped	METAL	Vanadium	0.011	SB > SS	4.51	9.35	2.7	7.1	69	70	61	61	99
Undeveloped	METAL	Zinc	0.008	SB > SS	7.17	5.24	3.45	4.25	54	70	36	61	69
Undeveloped	PESTICIDE	4,4'-DDD	0.000	< 50% Detects	37.6	0.98	10.3	0.98	6	40	1	31	10
Undeveloped	PESTICIDE	4,4'-DDE	0.000	< 50% Detects	72.6	0.55	17	0.55	7	40	2	31	13
Undeveloped	PESTICIDE	4,4'-DDT	0.000	< 50% Detects	7.73	0.834	2.9	0.85	10	40	7	31	24
Undeveloped	PESTICIDE	Aldrin	0.000	< 50% Detects	0.722	.	0.4	.	5	40	0	31	7
Undeveloped	PESTICIDE	Dieldrin	0.000	< 50% Detects	1.22	0.945	0.935	0.945	6	40	2	31	11
Undeveloped	PESTICIDE	Endosulfan I	0.000	< 50% Detects	1.06	2	1.2	2	6	40	1	31	10
Undeveloped	PESTICIDE	Endosulfan II	0.000	< 50% Detects	4.25	0.71	0.93	0.71	3	40	1	31	6
Undeveloped	PESTICIDE	Endosulfan sulfate	0.000	< 50% Detects	4.34	0.67	2	0.67	9	40	1	31	14
Undeveloped	PESTICIDE	Endrin	0.000	< 50% Detects	1.64	.	1.4	.	5	40	0	31	7
Undeveloped	PESTICIDE	Endrin aldehyde	0.000	< 50% Detects	1.35	0.91	1	0.91	9	40	2	31	15
Undeveloped	PESTICIDE	Endrin ketone	0.000	< 50% Detects	4.88	0.41	2.5	0.41	4	40	1	31	7
Undeveloped	PESTICIDE	Heptachlor	0.000	< 50% Detects	0.375	0.348	0.36	0.315	13	40	4	31	24
Undeveloped	PESTICIDE	Heptachlor epoxide	0.000	< 50% Detects	0.606	0.365	0.34	0.365	5	40	2	31	10
Undeveloped	PESTICIDE	Methoxychlor	0.000	< 50% Detects	12	120	12	120	1	40	1	31	3
Undeveloped	PESTICIDE	alpha-BHC	0.000	< 50% Detects	0.695	.	0.695	.	2	40	0	31	3
Undeveloped	PESTICIDE	alpha-Chlordane	0.000	< 50% Detects	0.888	3.61	0.86	3.61	5	40	2	31	10
Undeveloped	PESTICIDE	beta-BHC	0.000	< 50% Detects	1.23	3.16	1.05	2.5	12	40	6	31	25
Undeveloped	PESTICIDE	delta-BHC	0.000	< 50% Detects	1.19	0.287	0.4	0.25	5	40	3	31	11

Table C-1
Wilcoxon Rank Sum Comparisons of Surface Soil (SS) Versus Subsurface Soil (SB)

Source	Chemical Group	Parameter	Probability that the Observed Differences Would Occur Purely by Chance	Statistical Decision with 0.05 Signficance Level	Mean SS	Mean SB	Median SS	Median SB	Number of SS Detects	Number of SS Samples	Number of SB Detects	Number of SB Samples	Percent Detects
Undeveloped	PESTICIDE	gamma-BHC (Lindane)	0.000	< 50% Detects	1	.	0.62	.	3	40	0	31	4
Undeveloped	PESTICIDE	gamma-Chlordane	0.000	< 50% Detects	0.86	.	0.86	.	2	40	0	31	3
Undeveloped	PAH	2-Methylnaphthalene	0.000	< 50% Detects	1.96	.	1.6	.	5	40	0	31	7
Undeveloped	PAH	Acenaphthene	0.000	< 50% Detects	1.24	.	1.3	.	3	40	0	31	4
Undeveloped	PAH	Acenaphthylene	0.000	< 50% Detects	1.7	.	0.8	.	4	40	0	31	6
Undeveloped	PAH	Anthracene	0.000	< 50% Detects	1.7	0.56	1.2	0.56	7	40	1	31	11
Undeveloped	PAH	Benzo(a)anthracene	0.000	< 50% Detects	4.01	1.25	1.6	1.15	11	40	4	31	21
Undeveloped	PAH	Benzo(a)pyrene	0.000	< 50% Detects	2.8	0.82	0.865	0.86	14	40	3	31	24
Undeveloped	PAH	Benzo(b)fluoranthene	0.000	< 50% Detects	4.23	1.13	1.3	1.1	17	40	3	31	28
Undeveloped	PAH	Benzo(g,h,i)perylene	0.000	< 50% Detects	2.34	0.66	1.6	0.66	10	40	2	31	17
Undeveloped	PAH	Benzo(k)fluoranthene	0.000	< 50% Detects	2.94	0.953	1.1	1	16	40	3	31	27
Undeveloped	PAH	Chrysene	0.000	< 50% Detects	4.37	1.45	1.35	1.1	14	40	5	31	27
Undeveloped	PAH	Dibenz(a,h)anthracene	0.000	< 50% Detects	2.35	0.72	2.35	0.72	2	40	1	31	4
Undeveloped	PAH	Fluoranthene	0.000	< 50% Detects	12.9	2.7	9.15	2.1	8	40	3	31	15
Undeveloped	PAH	Fluorene	0.000	< 50% Detects	0.77	.	0.69	.	5	40	0	31	7
Undeveloped	PAH	Indeno(1,2,3-cd)pyrene	0.000	< 50% Detects	3.61	3.16	1.9	4.2	17	40	5	31	31
Undeveloped	PAH	Naphthalene	0.000	< 50% Detects	1.81	1.2	1.04	1.2	12	40	1	31	18
Undeveloped	PAH	Phenanthrene	0.000	< 50% Detects	4.4	2.52	2.25	2.4	14	40	5	31	27
Undeveloped	PAH	Pyrene	0.000	< 50% Detects	4.83	1.94	1.3	2.1	19	40	5	31	34
Developed	METAL	Aluminum	0.017	SB > SS	5410	10600	3960	8540	20	20	20	20	100
Developed	METAL	Antimony	0.000	SS > SB	1.32	1.36	1.3	1.4	16	20	17	20	83
Developed	METAL	Arsenic	0.954	nsd	1.3	2.69	1.2	1.8	10	20	15	20	63
Developed	METAL	Barium	0.236	nsd	10.6	14.3	9.25	11.7	20	20	20	20	100
Developed	METAL	Beryllium	0.000	< 50% Detects	.	0.08	.	0.08	0	20	1	20	3
Developed	METAL	Cadmium	0.000	SS > SB	0.185	0.369	0.14	0.31	14	20	17	20	78
Developed	METAL	Calcium	0.000	< 50% Detects	1430	453	1130	451	11	20	6	20	43
Developed	METAL	Chromium	0.006	SB > SS	6.09	13	3.9	11.9	20	20	20	20	100
Developed	METAL	Chromium (hexavalent)	0.000	< 50% Detects	2.76	2.4	2.55	1.98	4	20	13	20	43
Developed	METAL	Chromium III and compounds	0.015	SB > SS	5.65	11.7	3.93	10.1	20	20	20	20	100
Developed	METAL	Cobalt	0.000	< 50% Detects	0.45	0.593	0.45	0.45	1	20	6	20	18
Developed	METAL	Copper	0.133	nsd	1.17	1.81	1.09	1.35	18	20	20	20	95
Developed	METAL	Iron	0.019	SB > SS	2340	6390	1480	3050	20	20	20	20	100
Developed	METAL	Lead	0.925	nsd	6.6	6.23	5.6	5.5	20	20	20	20	100
Developed	METAL	Magnesium	0.000	< 50% Detects	.	693	.	660	0	20	3	20	8
Developed	METAL	Manganese	0.336	nsd	9.06	7.96	8.35	7.55	20	20	20	20	100
Developed	METAL	Mercury	0.000	SS > SB	0.0427	0.0546	0.025	0.049	19	20	13	20	80
Developed	METAL	Nickel	0.131	nsd	1.33	2.36	1.2	1.6	19	20	20	20	98
Developed	METAL	Potassium	0.000	< 50% Detects	5.2	849	5.2	798	1	20	5	20	15
Developed	METAL	Selenium	0.000	< 50% Detects	0.49	0.544	0.43	0.43	9	20	9	20	45
Developed	METAL	Silver	0.000	< 50% Detects	0.05	0.06	0.05	0.06	1	20	1	20	5
Developed	METAL	Sodium	0.000	< 50% Detects	56.1	60.1	55.2	59.2	8	20	10	20	45
Developed	METAL	Thallium	0.000	< 50% Detects	.	1.7	.	1.7	0	20	1	20	3

Table C-1
Wilcoxon Rank Sum Comparisons of Surface Soil (SS) Versus Subsurface Soil (SB)

Source	Chemical Group	Parameter	Probability that the Observed Differences Would Occur Purely by Chance	Statistical Decision with 0.05 Signficance Level	Mean SS	Mean SB	Median SS	Median SB	Number of SS Detects	Number of SS Samples	Number of SB Detects	Number of SB Samples	Percent Detects
Developed	METAL	Vanadium	0.022	SB > SS	8.11	17.7	5.5	14.8	20	20	20	20	100
Developed	METAL	Zinc	0.277	nsd	4.69	5.02	3.65	3.95	20	20	20	20	100
Developed	PESTICIDE	4,4'-DDD	0.000	< 50% Detects	4.82	.	5.6	.	5	20	0	20	13
Developed	PESTICIDE	4,4'-DDE	0.000	< 50% Detects	13.5	0.998	4	0.76	12	20	4	20	40
Developed	PESTICIDE	4,4'-DDT	0.000	< 50% Detects	15.2	2.09	2.7	2.7	9	20	3	20	30
Developed	PESTICIDE	Aldrin	0.000	< 50% Detects	1.4	.	1.4	.	1	20	0	20	3
Developed	PESTICIDE	Dieldrin	0.000	< 50% Detects	50.7	1.08	1.1	1.08	3	20	2	20	13
Developed	PESTICIDE	Endosulfan I	0.000	< 50% Detects	0.45	0.32	0.45	0.32	1	20	1	20	5
Developed	PESTICIDE	Endosulfan II	0.000	< 50% Detects	17.7	0.47	17	0.47	3	20	1	20	10
Developed	PESTICIDE	Endosulfan sulfate	0.000	< 50% Detects	1.8	.	1.7	.	3	20	0	20	8
Developed	PESTICIDE	Endrin	0.000	< 50% Detects	1.55	.	1.55	.	2	20	0	20	5
Developed	PESTICIDE	Endrin aldehyde	0.000	< 50% Detects	.	0.52	.	0.52	0	20	1	20	3
Developed	PESTICIDE	Heptachlor	0.000	< 50% Detects	0.26	0.312	0.22	0.315	3	20	6	20	23
Developed	PESTICIDE	Methoxychlor	0.000	< 50% Detects	2.6	.	2.6	.	1	20	0	20	3
Developed	PESTICIDE	alpha-BHC	0.000	< 50% Detects	0.235	0.27	0.235	0.27	2	20	1	20	8
Developed	PESTICIDE	alpha-Chlordane	0.000	< 50% Detects	2.31	0.323	0.825	0.315	6	20	4	20	25
Developed	PESTICIDE	beta-BHC	0.000	< 50% Detects	0.903	.	0.66	.	3	20	0	20	8
Developed	PESTICIDE	delta-BHC	0.000	< 50% Detects	.	0.325	.	0.325	0	20	2	20	5
Developed	PESTICIDE	gamma-BHC (Lindane)	0.000	< 50% Detects	0.32	.	0.32	.	1	20	0	20	3
Developed	PESTICIDE	gamma-Chlordane	0.000	< 50% Detects	1.57	0.245	0.32	0.245	3	20	2	20	13
Developed	PAH	2-Methylnaphthalene	0.000	< 50% Detects	1.07	0.855	1.06	0.855	4	20	2	20	15
Developed	PAH	Acenaphthylene	0.000	< 50% Detects	1.15	.	1.15	.	2	20	0	20	5
Developed	PAH	Anthracene	0.000	< 50% Detects	1.14	1	1.2	1	3	20	1	20	10
Developed	PAH	Benzo(a)anthracene	0.000	< 50% Detects	3.34	1.6	1.95	1.6	14	20	1	20	38
Developed	PAH	Benzo(a)pyrene	0.000	< 50% Detects	3.43	.	1.3	.	15	20	0	20	38
Developed	PAH	Benzo(b)fluoranthene	0.000	< 50% Detects	4.73	.	2.5	.	15	20	0	20	38
Developed	PAH	Benzo(g,h,i)perylene	0.000	< 50% Detects	2.85	.	1.15	.	12	20	0	20	30
Developed	PAH	Benzo(k)fluoranthene	0.000	< 50% Detects	3.78	.	1.55	.	16	20	0	20	40
Developed	PAH	Chrysene	0.000	< 50% Detects	4.15	1.6	2.15	1.6	16	20	1	20	43
Developed	PAH	Dibenz(a,h)anthracene	0.000	< 50% Detects	1.99	.	0.86	.	4	20	0	20	10
Developed	PAH	Fluoranthene	0.000	< 50% Detects	9.27	4	3.7	4	13	20	1	20	35
Developed	PAH	Indeno(1,2,3-cd)pyrene	0.000	< 50% Detects	3.43	.	1.2	.	13	20	0	20	33
Developed	PAH	Naphthalene	0.000	< 50% Detects	1.15	0.93	1.2	0.93	4	20	2	20	15
Developed	PAH	Phenanthrene	0.000	< 50% Detects	2.93	4.3	1.9	4.3	12	20	1	20	33
Developed	PAH	Pyrene	0.000	< 50% Detects	5.99	2.09	3	2.09	17	20	2	20	48

Note
SS - Surface Soil
SB - Subsurface Soil
nsd - no statistical difference

Table C-2
Wilcoxon Rank Sum Comparisons of Sand Only (S) Versus Soil with Fines (F)

Source	Soil Depth	Chemical Group	Parameter	Probability that the Observed Differences Would Occur Purely by Chance	Statistical Decision with 0.05 Signficance Level	Mean S	Mean F	Median S	Median F	Number of S Detects	Number of S Samples	Number of F Detects	Number of F Samples	Percent Detects
Undeveloped	SS	METAL	Aluminum	0.004	F > S	1490	3670	1040	2660	29	29	41	41	100
Undeveloped	SS	METAL	Antimony	0.149	< 50% Detects	0.477	1.32	0.34	1.3	15	29	18	41	47
Undeveloped	SS	METAL	Arsenic	0.420	< 50% Detects	0.673	0.788	0.735	0.62	4	29	19	41	33
Undeveloped	SS	METAL	Barium	0.001	F > S	4.55	10.1	3.6	9.1	27	29	39	41	94
Undeveloped	SS	METAL	Beryllium	> 0.9995	nsd	0.0438	0.111	0.0375	0.0795	20	29	16	41	51
Undeveloped	SS	METAL	Cadmium	> 0.9995	< 50% Detects	0.0703	0.171	0.064	0.14	3	29	9	41	17
Undeveloped	SS	METAL	Calcium	0.018	F > S	5160	3040	87.6	369	21	29	27	41	69
Undeveloped	SS	METAL	Chromium	0.001	F > S	2.22	4.75	1.7	3.3	31	37	47	53	87
Undeveloped	SS	METAL	Chromium (hexavalent)	0.579	< 50% Detects	2.4	34.2	2.4	1.95	1	11	4	29	13
Undeveloped	SS	METAL	Chromium III and compounds	0.079	nsd	1.66	4.27	1.82	2.98	10	11	27	29	93
Undeveloped	SS	METAL	Cobalt	> 0.9995	< 50% Detects	0.226	0.252	0.17	0.21	9	29	19	41	40
Undeveloped	SS	METAL	Copper	0.858	nsd	3.53	4.25	1.2	1.3	21	29	31	41	74
Undeveloped	SS	METAL	Iron	0.004	F > S	749	2190	456	1440	29	29	41	41	100
Undeveloped	SS	METAL	Lead	0.017	F > S	4.61	8.24	3	5.1	29	29	41	41	100
Undeveloped	SS	METAL	Magnesium	0.243	nsd	132	309	47.4	115	21	29	25	41	66
Undeveloped	SS	METAL	Manganese	0.103	nsd	5.79	9.59	3.5	5.4	25	29	39	41	91
Undeveloped	SS	METAL	Mercury	0.420	nsd	0.0433	0.0655	0.0435	0.0365	16	29	26	41	60
Undeveloped	SS	METAL	Nickel	0.001	F > S	0.558	1.06	0.48	0.91	19	29	35	41	77
Undeveloped	SS	METAL	Potassium	> 0.9995	nsd	52.1	83.7	29.8	61.7	19	29	23	41	60
Undeveloped	SS	METAL	Selenium	0.327	< 50% Detects	0.528	0.749	0.545	0.375	6	29	20	41	37
Undeveloped	SS	METAL	Silver	> 0.9995	< 50% Detects	.	0.379	.	0.16	0	29	4	41	6
Undeveloped	SS	METAL	Sodium	0.243	< 50% Detects	307	2710	307	688	1	29	5	41	9
Undeveloped	SS	METAL	Vanadium	0.002	F > S	2.5	5.97	1.8	4.8	29	29	40	41	99
Undeveloped	SS	METAL	Zinc	0.245	nsd	7.51	6.95	3	3.9	21	29	33	41	77
Undeveloped	SS	PESTICIDE	4,4'-DDD	0.295	< 50% Detects	0.39	45	0.39	20	1	11	5	29	15
Undeveloped	SS	PESTICIDE	4,4'-DDE	0.862	< 50% Detects	8.76	98.1	8.76	20	2	11	5	29	18
Undeveloped	SS	PESTICIDE	4,4'-DDT	0.579	< 50% Detects	1.22	9.35	1.22	4.8	2	11	8	29	25
Undeveloped	SS	PESTICIDE	Aldrin	> 0.9995	< 50% Detects	.	0.722	.	0.4	0	11	5	29	13
Undeveloped	SS	PESTICIDE	Dieldrin	> 0.9995	< 50% Detects	.	1.22	.	0.935	0	11	6	29	15
Undeveloped	SS	PESTICIDE	Endosulfan I	> 0.9995	< 50% Detects	0.415	1.38	0.415	1.4	2	11	4	29	15
Undeveloped	SS	PESTICIDE	Endosulfan II	> 0.9995	< 50% Detects	.	4.25	.	0.93	0	11	3	29	8
Undeveloped	SS	PESTICIDE	Endosulfan sulfate	0.125	< 50% Detects	20	2.38	20	1.7	1	11	8	29	23
Undeveloped	SS	PESTICIDE	Endrin	> 0.9995	< 50% Detects	2.45	1.1	2.45	1.1	2	11	3	29	13
Undeveloped	SS	PESTICIDE	Endrin aldehyde	> 0.9995	< 50% Detects	.	1.35	.	1	0	11	9	29	23
Undeveloped	SS	PESTICIDE	Endrin ketone	> 0.9995	< 50% Detects	2.8	5.57	2.8	2.2	1	11	3	29	10
Undeveloped	SS	PESTICIDE	Heptachlor	> 0.9995	< 50% Detects	0.4	0.368	0.47	0.355	3	11	10	29	33
Undeveloped	SS	PESTICIDE	Heptachlor epoxide	> 0.9995	< 50% Detects	0.24	0.698	0.24	0.495	1	11	4	29	13
Undeveloped	SS	PESTICIDE	Methoxychlor	> 0.9995	< 50% Detects	.	12	.	12	0	11	1	29	3
Undeveloped	SS	PESTICIDE	alpha-BHC	> 0.9995	< 50% Detects	.	0.695	.	0.695	0	11	2	29	5
Undeveloped	SS	PESTICIDE	alpha-Chlordane	> 0.9995	< 50% Detects	0.34	1.03	0.34	1.08	1	11	4	29	13
Undeveloped	SS	PESTICIDE	beta-BHC	> 0.9995	< 50% Detects	1.03	1.37	1	1.1	5	11	7	29	30
Undeveloped	SS	PESTICIDE	delta-BHC	0.579	< 50% Detects	.	1.19	.	0.4	0	11	5	29	13
Undeveloped	SS	PESTICIDE	gamma-BHC (Lindane)	> 0.9995	< 50% Detects	.	1	.	0.62	0	11	3	29	8
Undeveloped	SS	PESTICIDE	gamma-Chlordane	> 0.9995	< 50% Detects	.	0.86	.	0.86	0	11	2	29	5

Table C-2
Wilcoxon Rank Sum Comparisons of Sand Only (S) Versus Soil with Fines (F)

Source	Soil Depth	Chemical Group	Parameter	Probability that the Observed Differences Would Occur Purely by Chance	Statistical Decision with 0.05 Signficance Level	Mean S	Mean F	Median S	Median F	Number of S Detects	Number of S Samples	Number of F Detects	Number of F Samples	Percent Detects
Undeveloped	SS	PAH	2-Methylnaphthalene	> 0.9995	< 50% Detects	1	2.2	1	1.85	1	11	4	29	13
Undeveloped	SS	PAH	Acenaphthene	> 0.9995	< 50% Detects	.	1.24	.	1.3	0	11	3	29	8
Undeveloped	SS	PAH	Acenaphthylene	> 0.9995	< 50% Detects	.	1.7	.	0.8	0	11	4	29	10
Undeveloped	SS	PAH	Anthracene	> 0.9995	< 50% Detects	0.7	1.87	0.7	1.85	1	11	6	29	18
Undeveloped	SS	PAH	Benzo(a)anthracene	> 0.9995	< 50% Detects	1.2	4.3	1.2	1.85	1	11	10	29	28
Undeveloped	SS	PAH	Benzo(a)pyrene	> 0.9995	< 50% Detects	0.555	3.17	0.555	1.05	2	11	12	29	35
Undeveloped	SS	PAH	Benzo(b)fluoranthene	> 0.9995	< 50% Detects	1.03	4.66	1.03	1.4	2	11	15	29	43
Undeveloped	SS	PAH	Benzo(g,h,i)perylene	> 0.9995	< 50% Detects	0.66	2.52	0.66	2.3	1	11	9	29	25
Undeveloped	SS	PAH	Benzo(k)fluoranthene	> 0.9995	< 50% Detects	0.76	3.25	0.76	1.25	2	11	14	29	40
Undeveloped	SS	PAH	Chrysene	> 0.9995	< 50% Detects	1.3	4.88	1.3	1.45	2	11	12	29	35
Undeveloped	SS	PAH	Dibenz(a,h)anthracene	> 0.9995	< 50% Detects	.	2.35	.	2.35	0	11	2	29	5
Undeveloped	SS	PAH	Fluoranthene	0.405	< 50% Detects	2.9	14.3	2.9	14	1	11	7	29	20
Undeveloped	SS	PAH	Fluorene	> 0.9995	< 50% Detects	0.65	0.8	0.65	0.73	1	11	4	29	13
Undeveloped	SS	PAH	Indeno(1,2,3-cd)pyrene	> 0.9995	< 50% Detects	2.34	4	2.4	1.9	4	11	13	29	43
Undeveloped	SS	PAH	Naphthalene	> 0.9995	< 50% Detects	.	1.81	.	1.04	0	11	12	29	30
Undeveloped	SS	PAH	Phenanthrene	> 0.9995	< 50% Detects	2.6	4.7	2.6	2.25	2	11	12	29	35
Undeveloped	SS	PAH	Pyrene	0.579	< 50% Detects	1.39	5.47	0.92	1.35	3	11	16	29	48
Undeveloped	SB	METAL	Aluminum	0.000	F > S	3710	7790	3330	6650	31	31	30	30	100
Undeveloped	SB	METAL	Antimony	0.640	< 50% Detects	0.488	0.993	0.31	1.3	13	31	7	30	33
Undeveloped	SB	METAL	Arsenic	0.003	< 50% Detects	0.973	3.01	0.92	2.25	7	31	18	30	41
Undeveloped	SB	METAL	Barium	0.002	F > S	5.7	11.3	4	11.6	31	31	30	30	100
Undeveloped	SB	METAL	Beryllium	0.329	nsd	0.0503	0.168	0.052	0.14	16	31	18	30	56
Undeveloped	SB	METAL	Cadmium	> 0.9995	< 50% Detects	0.28	0.237	0.28	0.24	1	31	3	30	7
Undeveloped	SB	METAL	Calcium	0.159	nsd	83.5	519	62.3	130	18	31	18	30	59
Undeveloped	SB	METAL	Chromium	0.000	F > S	4.44	11.9	2.6	10.4	38	38	43	43	100
Undeveloped	SB	METAL	Chromium (hexavalent)	0.242	< 50% Detects	1.75	2.3	1.75	2.15	2	10	12	21	45
Undeveloped	SB	METAL	Chromium III and compounds	0.003	F > S	4.4	11.6	2.11	9.87	10	10	21	21	100
Undeveloped	SB	METAL	Cobalt	0.456	nsd	0.341	0.736	0.22	0.4	17	31	20	30	61
Undeveloped	SB	METAL	Copper	0.012	F > S	1.27	1.92	0.95	1.5	15	31	26	30	67
Undeveloped	SB	METAL	Iron	0.000	F > S	1240	4640	840	2970	31	31	30	30	100
Undeveloped	SB	METAL	Lead	0.000	F > S	2.96	5.76	2.8	5.25	31	31	30	30	100
Undeveloped	SB	METAL	Magnesium	0.329	nsd	91.2	317	71.8	253	28	31	22	30	82
Undeveloped	SB	METAL	Manganese	0.008	F > S	2.77	7.75	2	5.1	31	31	29	30	98
Undeveloped	SB	METAL	Mercury	0.082	nsd	0.0343	0.0471	0.0275	0.036	20	31	17	30	61
Undeveloped	SB	METAL	Nickel	0.004	F > S	0.998	1.71	0.595	1.2	24	31	28	30	85
Undeveloped	SB	METAL	Potassium	0.043	F > S	79.9	342	48.8	272	28	31	22	30	82
Undeveloped	SB	METAL	Selenium	0.023	< 50% Detects	0.344	0.571	0.32	0.5	11	31	14	30	41
Undeveloped	SB	METAL	Silver	> 0.9995	< 50% Detects	0.1	0.193	0.1	0.17	1	31	6	30	11
Undeveloped	SB	METAL	Vanadium	0.000	F > S	5.25	13.6	3	10.5	31	31	30	30	100
Undeveloped	SB	METAL	Zinc	0.000	F > S	2.79	6.8	2.05	5.25	14	31	22	30	59
Undeveloped	SB	PESTICIDE	4,4'-DDD	> 0.9995	< 50% Detects	.	0.98	.	0.98	0	10	1	21	3
Undeveloped	SB	PESTICIDE	4,4'-DDE	> 0.9995	< 50% Detects	0.56	0.54	0.56	0.54	1	10	1	21	6
Undeveloped	SB	PESTICIDE	4,4'-DDT	> 0.9995	< 50% Detects	0.727	0.915	0.67	0.92	3	10	4	21	23
Undeveloped	SB	PESTICIDE	Dieldrin	> 0.9995	< 50% Detects	.	0.945	.	0.945	0	10	2	21	6

Table C-2
Wilcoxon Rank Sum Comparisons of Sand Only (S) Versus Soil with Fines (F)

Source	Soil Depth	Chemical Group	Parameter	Probability that the Observed Differences Would Occur Purely by Chance	Statistical Decision with 0.05 Signficance Level	Mean S	Mean F	Median S	Median F	Number of S Detects	Number of S Samples	Number of F Detects	Number of F Samples	Percent Detects
Undeveloped	SB	PESTICIDE	Endosulfan I	> 0.9995	< 50% Detects	.	2	.	2	0	10	1	21	3
Undeveloped	SB	PESTICIDE	Endosulfan II	> 0.9995	< 50% Detects	.	0.71	.	0.71	0	10	1	21	3
Undeveloped	SB	PESTICIDE	Endosulfan sulfate	> 0.9995	< 50% Detects	0.67	.	0.67	.	1	10	0	21	3
Undeveloped	SB	PESTICIDE	Endrin aldehyde	> 0.9995	< 50% Detects	.	0.91	.	0.91	0	10	2	21	6
Undeveloped	SB	PESTICIDE	Endrin ketone	> 0.9995	< 50% Detects	0.41	.	0.41	.	1	10	0	21	3
Undeveloped	SB	PESTICIDE	Heptachlor	> 0.9995	< 50% Detects	0.265	0.43	0.265	0.43	2	10	2	21	13
Undeveloped	SB	PESTICIDE	Heptachlor epoxide	> 0.9995	< 50% Detects	.	0.365	.	0.365	0	10	2	21	6
Undeveloped	SB	PESTICIDE	Methoxychlor	0.539	< 50% Detects	.	120	.	120	0	10	1	21	3
Undeveloped	SB	PESTICIDE	alpha-Chlordane	0.539	< 50% Detects	.	3.61	.	3.61	0	10	2	21	6
Undeveloped	SB	PESTICIDE	beta-BHC	> 0.9995	< 50% Detects	1.65	4.67	0.89	3.2	3	10	3	21	19
Undeveloped	SB	PESTICIDE	delta-BHC	> 0.9995	< 50% Detects	0.25	0.305	0.25	0.305	1	10	2	21	10
Undeveloped	SB	PAH	Anthracene	> 0.9995	< 50% Detects	.	0.56	.	0.56	0	10	1	21	3
Undeveloped	SB	PAH	Benzo(a)anthracene	> 0.9995	< 50% Detects	1.36	1.15	1.36	1.15	2	10	2	21	13
Undeveloped	SB	PAH	Benzo(a)pyrene	> 0.9995	< 50% Detects	0.86	0.8	0.86	0.8	1	10	2	21	10
Undeveloped	SB	PAH	Benzo(b)fluoranthene	> 0.9995	< 50% Detects	1.3	1.05	1.3	1.05	1	10	2	21	10
Undeveloped	SB	PAH	Benzo(g,h,i)perylene	> 0.9995	< 50% Detects	0.66	0.66	0.66	0.66	1	10	1	21	6
Undeveloped	SB	PAH	Benzo(k)fluoranthene	> 0.9995	< 50% Detects	1.1	0.88	1.1	0.88	1	10	2	21	10
Undeveloped	SB	PAH	Chrysene	> 0.9995	< 50% Detects	1.58	1.25	1.1	1.25	3	10	2	21	16
Undeveloped	SB	PAH	Dibenz(a,h)anthracene	> 0.9995	< 50% Detects	.	0.72	.	0.72	0	10	1	21	3
Undeveloped	SB	PAH	Fluoranthene	> 0.9995	< 50% Detects	3	2.1	3	2.1	2	10	1	21	10
Undeveloped	SB	PAH	Indeno(1,2,3-cd)pyrene	> 0.9995	< 50% Detects	2.41	3.66	2.41	4.6	2	10	3	21	16
Undeveloped	SB	PAH	Naphthalene	> 0.9995	< 50% Detects	.	1.2	.	1.2	0	10	1	21	3
Undeveloped	SB	PAH	Phenanthrene	> 0.9995	< 50% Detects	2.7	2.4	2.7	1.9	2	10	3	21	16
Undeveloped	SB	PAH	Pyrene	> 0.9995	< 50% Detects	2.13	1.65	2.5	1.65	3	10	2	21	16
Developed	SS	METAL	Aluminum	0.068	nsd	2160	6220	1190	4270	4	4	16	16	100
Developed	SS	METAL	Antimony	> 0.9995	nsd	1.23	1.34	1.2	1.3	3	4	13	16	80
Developed	SS	METAL	Arsenic	0.533	nsd	.	1.3	.	1.2	0	4	10	16	50
Developed	SS	METAL	Barium	0.010	F > S	3.98	12.2	3.6	11.1	4	4	16	16	100
Developed	SS	METAL	Cadmium	> 0.9995	nsd	.	0.185	.	0.14	0	4	14	16	70
Developed	SS	METAL	Calcium	0.533	nsd	1500	1420	1500	1090	1	4	10	16	55
Developed	SS	METAL	Chromium	0.159	nsd	2.76	6.93	2.45	4.2	4	4	16	16	100
Developed	SS	METAL	Chromium (hexavalent)	0.712	< 50% Detects	.	2.76	.	2.55	0	4	4	16	20
Developed	SS	METAL	Chromium III and compounds	0.159	nsd	2.74	6.37	2.4	4.18	4	4	16	16	100
Developed	SS	METAL	Cobalt	> 0.9995	< 50% Detects	.	0.45	.	0.45	0	4	1	16	5
Developed	SS	METAL	Copper	0.269	nsd	0.707	1.26	0.75	1.2	3	4	15	16	90
Developed	SS	METAL	Iron	0.012	F > S	509	2800	522	1780	4	4	16	16	100
Developed	SS	METAL	Lead	0.043	F > S	3.23	7.44	3.4	6.35	4	4	16	16	100
Developed	SS	METAL	Manganese	0.068	nsd	5.28	10	5.35	9.25	4	4	16	16	100
Developed	SS	METAL	Mercury	> 0.9995	nsd	0.019	0.0471	0.017	0.0275	3	4	16	16	95
Developed	SS	METAL	Nickel	0.042	F > S	0.753	1.44	0.92	1.4	3	4	16	16	95
Developed	SS	METAL	Potassium	> 0.9995	< 50% Detects	.	5.2	.	5.2	0	4	1	16	5
Developed	SS	METAL	Selenium	0.533	< 50% Detects	0.29	0.515	0.29	0.44	1	4	8	16	45
Developed	SS	METAL	Silver	> 0.9995	< 50% Detects	0.05	.	0.05	.	1	4	0	16	5
Developed	SS	METAL	Sodium	> 0.9995	< 50% Detects	43.3	57.9	43.3	55.9	1	4	7	16	40

Table C-2
Wilcoxon Rank Sum Comparisons of Sand Only (S) Versus Soil with Fines (F)

Source	Soil Depth	Chemical Group	Parameter	Probability that the Observed Differences Would Occur Purely by Chance	Statistical Decision with 0.05 Signficance Level	Mean S	Mean F	Median S	Median F	Number of S Detects	Number of S Samples	Number of F Detects	Number of F Samples	Percent Detects
Developed	SS	METAL	Vanadium	0.068	nsd	3.13	9.35	1.94	5.75	4	4	16	16	100
Developed	SS	METAL	Zinc	0.077	nsd	2.08	5.34	1.89	3.9	4	4	16	16	100
Developed	SS	PESTICIDE	4,4'-DDD	> 0.9995	< 50% Detects	2.3	5.45	2.3	5.6	1	4	4	16	25
Developed	SS	PESTICIDE	4,4'-DDE	0.323	nsd	11	13.7	11	4	1	4	11	16	60
Developed	SS	PESTICIDE	4,4'-DDT	0.690	< 50% Detects	81	6.95	81	2.6	1	4	8	16	45
Developed	SS	PESTICIDE	Aldrin	> 0.9995	< 50% Detects	1.4	.	1.4	.	1	4	0	16	5
Developed	SS	PESTICIDE	Dieldrin	0.712	< 50% Detects	.	50.7	.	1.1	0	4	3	16	15
Developed	SS	PESTICIDE	Endosulfan I	> 0.9995	< 50% Detects	.	0.45	.	0.45	0	4	1	16	5
Developed	SS	PESTICIDE	Endosulfan II	0.502	< 50% Detects	20	16.5	20	16.5	1	4	2	16	15
Developed	SS	PESTICIDE	Endosulfan sulfate	> 0.9995	< 50% Detects	.	1.8	.	1.7	0	4	3	16	15
Developed	SS	PESTICIDE	Endrin	> 0.9995	< 50% Detects	.	1.55	.	1.55	0	4	2	16	10
Developed	SS	PESTICIDE	Heptachlor	> 0.9995	< 50% Detects	0.22	0.28	0.22	0.28	1	4	2	16	15
Developed	SS	PESTICIDE	Methoxychlor	> 0.9995	< 50% Detects	.	2.6	.	2.6	0	4	1	16	5
Developed	SS	PESTICIDE	alpha-BHC	> 0.9995	< 50% Detects	.	0.235	.	0.235	0	4	2	16	10
Developed	SS	PESTICIDE	alpha-Chlordane	0.076	< 50% Detects	6.3	1.51	6.3	0.74	1	4	5	16	30
Developed	SS	PESTICIDE	beta-BHC	> 0.9995	< 50% Detects	.	0.903	.	0.66	0	4	3	16	15
Developed	SS	PESTICIDE	gamma-BHC (Lindane)	> 0.9995	< 50% Detects	.	0.32	.	0.32	0	4	1	16	5
Developed	SS	PESTICIDE	gamma-Chlordane	> 0.9995	< 50% Detects	.	1.57	.	0.32	0	4	3	16	15
Developed	SS	PAH	2-Methylnaphthalene	> 0.9995	< 50% Detects	.	1.07	.	1.06	0	4	4	16	20
Developed	SS	PAH	Acenaphthylene	> 0.9995	< 50% Detects	.	1.15	.	1.15	0	4	2	16	10
Developed	SS	PAH	Anthracene	> 0.9995	< 50% Detects	.	1.14	.	1.2	0	4	3	16	15
Developed	SS	PAH	Benzo(a)anthracene	0.712	nsd	0.825	3.76	0.825	2.4	2	4	12	16	70
Developed	SS	PAH	Benzo(a)pyrene	0.712	nsd	0.785	3.84	0.785	2.3	2	4	13	16	75
Developed	SS	PAH	Benzo(b)fluoranthene	0.712	nsd	1.4	5.25	1.4	2.5	2	4	13	16	75
Developed	SS	PAH	Benzo(g,h,i)perylene	> 0.9995	nsd	0.625	3.29	0.625	1.3	2	4	10	16	60
Developed	SS	PAH	Benzo(k)fluoranthene	0.712	nsd	0.9	4.2	0.9	1.8	2	4	14	16	80
Developed	SS	PAH	Chrysene	0.712	nsd	1.14	4.58	1.14	2.3	2	4	14	16	80
Developed	SS	PAH	Dibenz(a,h)anthracene	> 0.9995	< 50% Detects	.	1.99	.	0.86	0	4	4	16	20
Developed	SS	PAH	Fluoranthene	0.712	nsd	2.2	10.6	2.2	3.9	2	4	11	16	65
Developed	SS	PAH	Indeno(1,2,3-cd)pyrene	0.712	nsd	0.87	3.9	0.87	1.4	2	4	11	16	65
Developed	SS	PAH	Naphthalene	> 0.9995	< 50% Detects	.	1.15	.	1.2	0	4	4	16	20
Developed	SS	PAH	Phenanthrene	> 0.9995	nsd	2.5	2.96	2.5	1.8	1	4	11	16	60
Developed	SS	PAH	Pyrene	0.712	nsd	1.85	6.54	1.85	3.1	2	4	15	16	85
Developed	SB	METAL	Aluminum	0.020	F > S	4130	12700	2510	12100	5	5	15	15	100
Developed	SB	METAL	Antimony	0.711	nsd	1.43	1.34	1.45	1.4	4	5	13	15	85
Developed	SB	METAL	Arsenic	0.023	F > S	.	2.69	.	1.8	0	5	15	15	75
Developed	SB	METAL	Barium	0.004	F > S	4.58	17.6	4.4	14.2	5	5	15	15	100
Developed	SB	METAL	Beryllium	> 0.9995	< 50% Detects	.	0.08	.	0.08	0	5	1	15	5
Developed	SB	METAL	Cadmium	0.649	nsd	0.117	0.424	0.1	0.315	3	5	14	15	85
Developed	SB	METAL	Calcium	0.338	< 50% Detects	.	453	.	451	0	5	6	15	30
Developed	SB	METAL	Chromium	0.007	F > S	4.64	15.8	3.6	13	5	5	15	15	100
Developed	SB	METAL	Chromium (hexavalent)	0.782	nsd	2.96	2.29	2.96	1.98	2	5	11	15	65
Developed	SB	METAL	Chromium III and compounds	0.005	F > S	3.46	14.4	2.77	10.9	5	5	15	15	100
Developed	SB	METAL	Cobalt	0.649	< 50% Detects	.	0.593	.	0.45	0	5	6	15	30

Table C-2
Wilcoxon Rank Sum Comparisons of Sand Only (S) Versus Soil with Fines (F)

Source	Soil Depth	Chemical Group	Parameter	Probability that the Observed Differences Would Occur Purely by Chance	Statistical Decision with 0.05 Signficance Level	Mean S	Mean F	Median S	Median F	Number of S Detects	Number of S Samples	Number of F Detects	Number of F Samples	Percent Detects
Developed	SB	METAL	Copper	0.010	F > S	0.644	2.19	0.68	1.6	5	5	15	15	100
Developed	SB	METAL	Iron	0.004	F > S	925	8210	880	5670	5	5	15	15	100
Developed	SB	METAL	Lead	0.004	F > S	2.56	7.45	2.3	6.1	5	5	15	15	100
Developed	SB	METAL	Magnesium	0.649	< 50% Detects	.	693	.	660	0	5	3	15	15
Developed	SB	METAL	Manganese	0.020	F > S	4.14	9.23	4.7	9.1	5	5	15	15	100
Developed	SB	METAL	Mercury	0.370	nsd	0.0655	0.0498	0.069	0.037	4	5	9	15	65
Developed	SB	METAL	Nickel	0.017	F > S	0.918	2.84	0.76	1.9	5	5	15	15	100
Developed	SB	METAL	Potassium	0.250	< 50% Detects	.	849	.	798	0	5	5	15	25
Developed	SB	METAL	Selenium	0.460	< 50% Detects	0.38	0.565	0.38	0.44	1	5	8	15	45
Developed	SB	METAL	Silver	> 0.9995	< 50% Detects	0.06	.	0.06	.	1	5	0	15	5
Developed	SB	METAL	Sodium	> 0.9995	nsd	51.7	63.6	53.3	61.1	3	5	7	15	50
Developed	SB	METAL	Thallium	0.649	< 50% Detects	.	1.7	.	1.7	0	5	1	15	5
Developed	SB	METAL	Vanadium	0.005	F > S	4.4	22.1	3.5	15.8	5	5	15	15	100
Developed	SB	METAL	Zinc	0.015	F > S	1.96	6.04	2	4.9	5	5	15	15	100
Developed	SB	PESTICIDE	4,4'-DDE	> 0.9995	< 50% Detects	2	0.663	2	0.54	1	5	3	15	20
Developed	SB	PESTICIDE	4,4'-DDT	> 0.9995	< 50% Detects	2.9	1.69	2.9	1.69	1	5	2	15	15
Developed	SB	PESTICIDE	Dieldrin	> 0.9995	< 50% Detects	.	1.08	.	1.08	0	5	2	15	10
Developed	SB	PESTICIDE	Endosulfan I	> 0.9995	< 50% Detects	.	0.32	.	0.32	0	5	1	15	5
Developed	SB	PESTICIDE	Endosulfan II	> 0.9995	< 50% Detects	0.47	.	0.47	.	1	5	0	15	5
Developed	SB	PESTICIDE	Endrin aldehyde	> 0.9995	< 50% Detects	.	0.52	.	0.52	0	5	1	15	5
Developed	SB	PESTICIDE	Heptachlor	> 0.9995	< 50% Detects	0.347	0.277	0.38	0.25	3	5	3	15	30
Developed	SB	PESTICIDE	alpha-BHC	> 0.9995	< 50% Detects	.	0.27	.	0.27	0	5	1	15	5
Developed	SB	PESTICIDE	alpha-Chlordane	> 0.9995	< 50% Detects	0.34	0.317	0.34	0.29	1	5	3	15	20
Developed	SB	PESTICIDE	delta-BHC	> 0.9995	< 50% Detects	.	0.325	.	0.325	0	5	2	15	10
Developed	SB	PESTICIDE	gamma-Chlordane	> 0.9995	< 50% Detects	.	0.245	.	0.245	0	5	2	15	10
Developed	SB	PAH	2-Methylnaphthalene	> 0.9995	< 50% Detects	.	0.855	.	0.855	0	5	2	15	10
Developed	SB	PAH	Anthracene	> 0.9995	< 50% Detects	.	1	.	1	0	5	1	15	5
Developed	SB	PAH	Benzo(a)anthracene	> 0.9995	< 50% Detects	.	1.6	.	1.6	0	5	1	15	5
Developed	SB	PAH	Chrysene	> 0.9995	< 50% Detects	.	1.6	.	1.6	0	5	1	15	5
Developed	SB	PAH	Fluoranthene	> 0.9995	< 50% Detects	.	4	.	4	0	5	1	15	5
Developed	SB	PAH	Naphthalene	> 0.9995	< 50% Detects	0.89	0.97	0.89	0.97	1	5	1	15	10
Developed	SB	PAH	Phenanthrene	> 0.9995	< 50% Detects	.	4.3	.	4.3	0	5	1	15	5
Developed	SB	PAH	Pyrene	> 0.9995	< 50% Detects	.	2.09	.	2.09	0	5	2	15	10

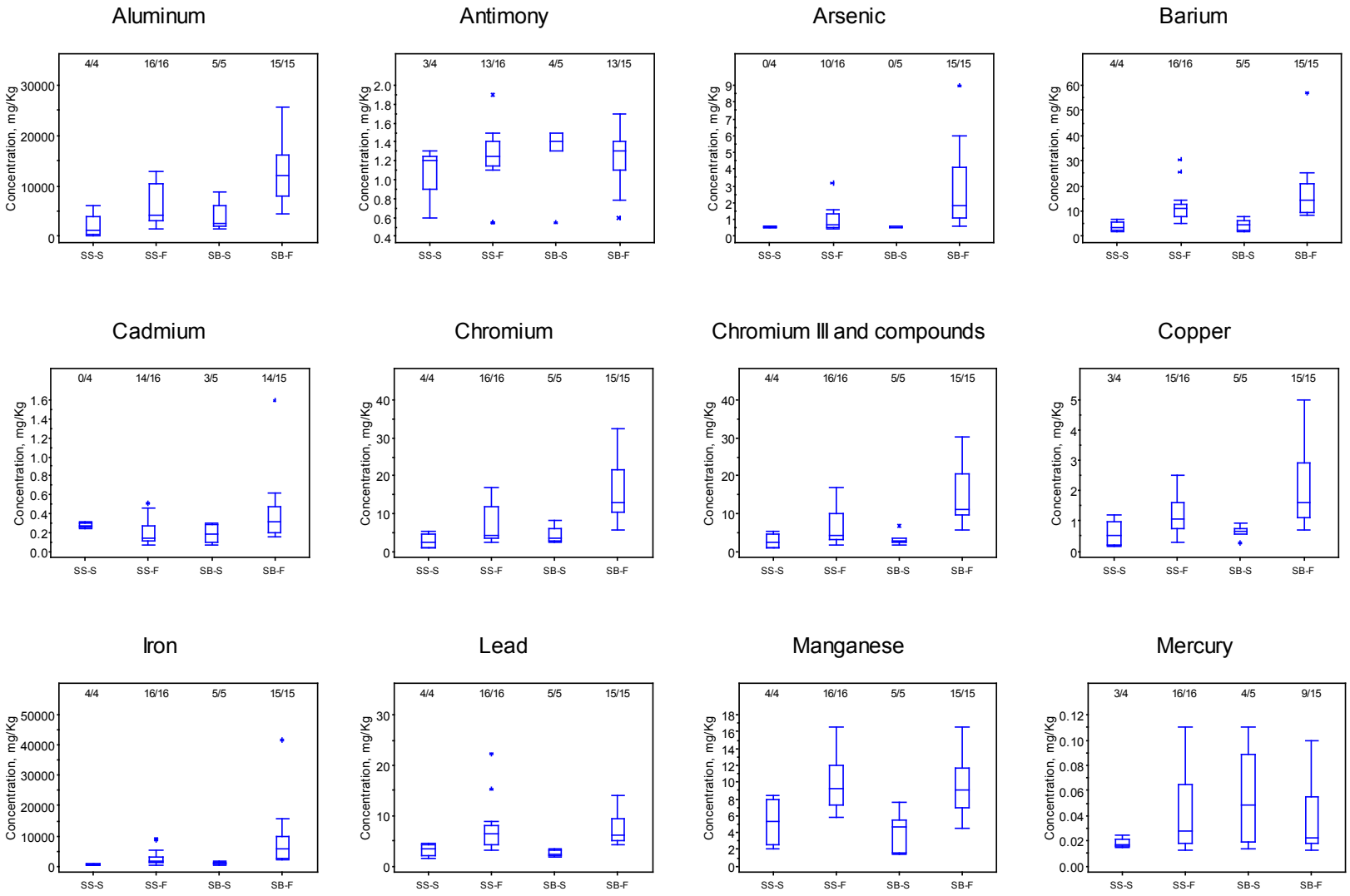
Note
SS - Surface Soil
SB - Subsurface Soil
S - Sand
F - Soil with Fines
nsd - no statistical difference

Table C-3
Mathematical Outliers via Dixon's/Rosner's Tests and 5 Times Rule

Source	Matrix	Sample ID	Location	Parameter	Units	Result	Number of Detects	Number of Samples
Undeveloped	SS	BBG-SS67-0-1-10B	BASE-BG67	4,4'-DDE	ug/Kg	410	9	71
Undeveloped	SS	BBG-SS67-0-1-10B	BASE-BG67	4,4'-DDD	ug/Kg	170	5	29
Undeveloped	SS	BBG-SS47-0-1-10B	BASE-BG47	4,4'-DDE	ug/Kg	17	7	40
Undeveloped	SS	BASE-BG11-00-0711200	BASE-BG11	Calcium	mg/Kg	105000	21	29
Undeveloped	SS	BBG-SS62-0-1-10B	BASE-BG62	Chromium (hexavalent)	mg/Kg	132	4	29
Undeveloped	SS	BASE-BG35-00-0716200	BASE-BG35	Copper	mg/Kg	38.5	52	70
Undeveloped	SS	BBG-SS53-0-1-10B	BASE-BG53	Endosulfan sulfate	ug/Kg	20	9	40
Undeveloped	SS	BBG-SS66-0-1-10B	BASE-BG66	Sodium	mg/Kg	7730	5	41
Undeveloped	SS	BBG-SS67-0-1-10B	BASE-BG67	Sodium	mg/Kg	4840	5	41
Undeveloped	SB	BASE-BG47-04-0716200	BASE-BG47	Cobalt	mg/Kg	6.8	20	30
Developed	SS	BBG-SS80-0-1-10B	BASE-BG80	4,4'-DDE	ug/Kg	11	12	20
Developed	SS	BBG-SS80-0-1-10B	BASE-BG80	4,4'-DDT	ug/Kg	81	9	20
Developed	SS	BBG-SS80-0-1-10B	BASE-BG80	alpha-Chlordane	ug/Kg	6.3 J	6	20
Developed	SS	BBG-SS85-0-1-10B	BASE-BG85	Benzo(a)anthracene	ug/Kg	4.6 U	14	20
Developed	SS	BBG-SS90-0-1-10B	BASE-BG90	Benzo(a)anthracene	ug/Kg	4.35 U	2	4
Developed	SS	BBG-SS89-0-1-10B	BASE-BG89	Benzo(a)pyrene	ug/Kg	27	13	16
Developed	SS	BBG-SS86-0-1-10B	BASE-BG86	Dieldrin	ug/Kg	150	3	16
Developed	SS	BBG-SS90-0-1-10B	BASE-BG90	Endosulfan II	ug/Kg	20	1	4
Developed	SS	BBG-SS75-0-1-10B	BASE-BG75	Endosulfan II	ug/Kg	17	2	16
Developed	SS	BBG-SS89-0-1-10B	BASE-BG89	Endosulfan II	ug/Kg	16	2	16
Developed	SS	BBG-SS80-0-1-10B	BASE-BG80	gamma-Chlordane	ug/Kg	5.5 U	3	20
Developed	SB	BBG-SB90-2-3-10B	BASE-BG90	Sodium	mg/Kg	295.5 U	10	20
Developed	SB	BBG-SB80-3-4-10B	BASE-BG80	Sodium	mg/Kg	283.5 U	3	5

Note
SS - Surface Soil
SB - Subsurface Soil
U - analyte not detected above reporting limit

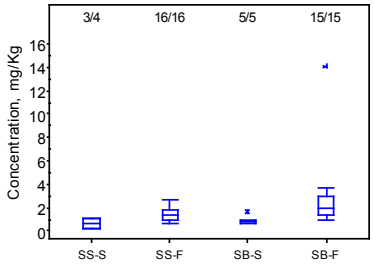
Figure C-1: Box and Whisker Plots for Constituents in Developed Areas with at Least 50% Detects



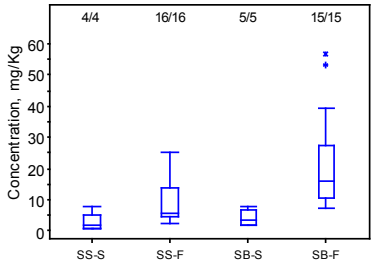
SS – Surface Soil, SB – Subsurface Soil, S – Sand, F- Soil with Fines

Figure C-1: Box and Whisker Plots for Constituents in Developed Areas with at Least 50% Detects

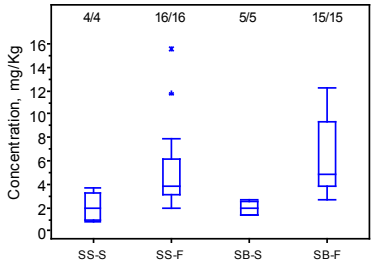
Nickel



Vanadium



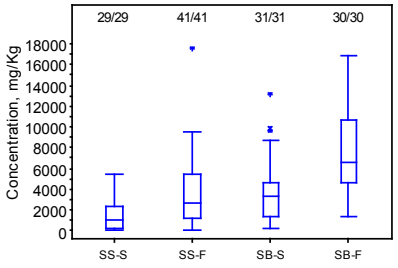
Zinc



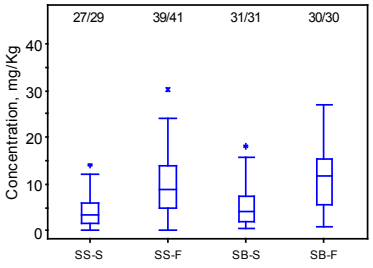
SS – Surface Soil, SB – Subsurface Soil, S – Sand, F- Soil with Fines

Figure C-2: Box and Whisker Plots for Constituents in Undeveloped Areas with at Least 50% Detects

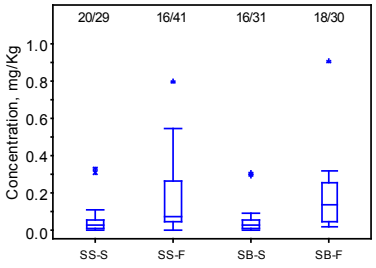
Aluminum



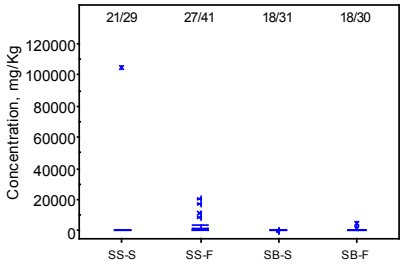
Barium



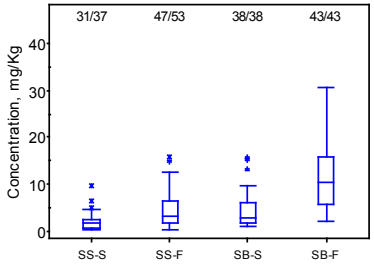
Beryllium



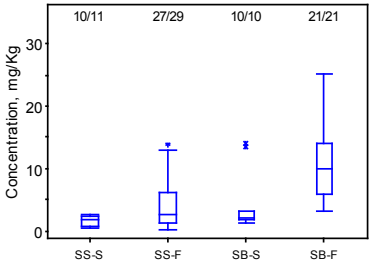
Calcium



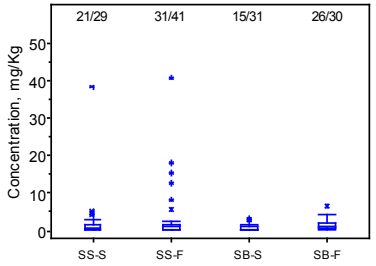
Chromium



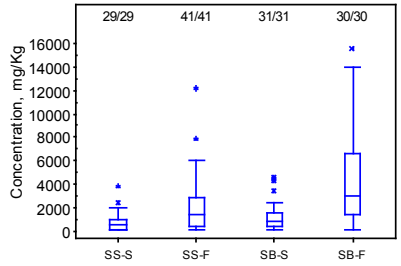
Chromium III and compounds



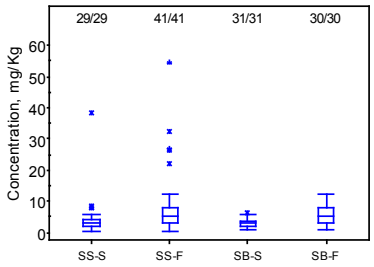
Copper



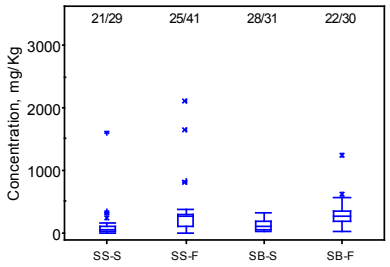
Iron



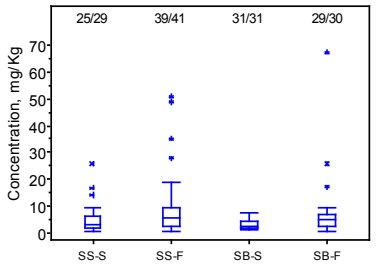
Lead



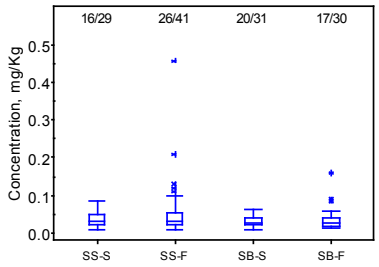
Magnesium



Manganese

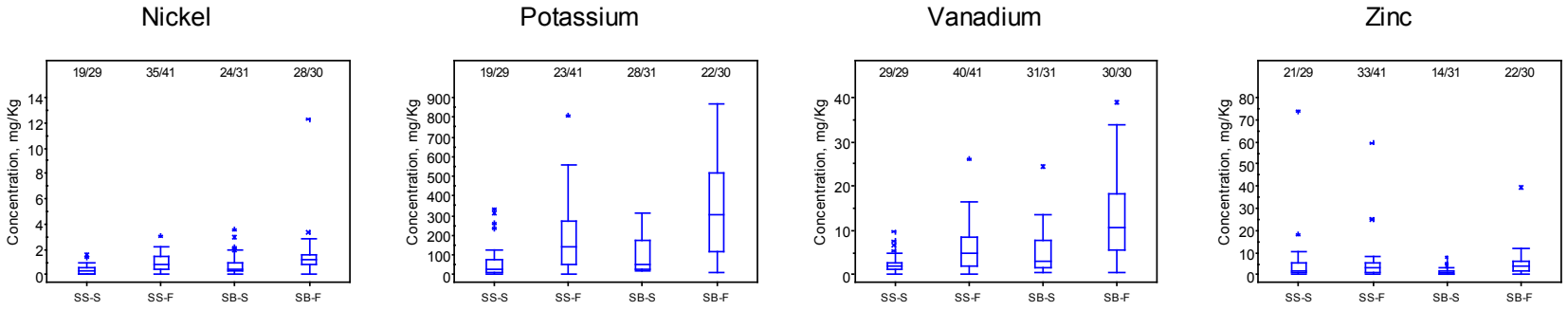


Mercury



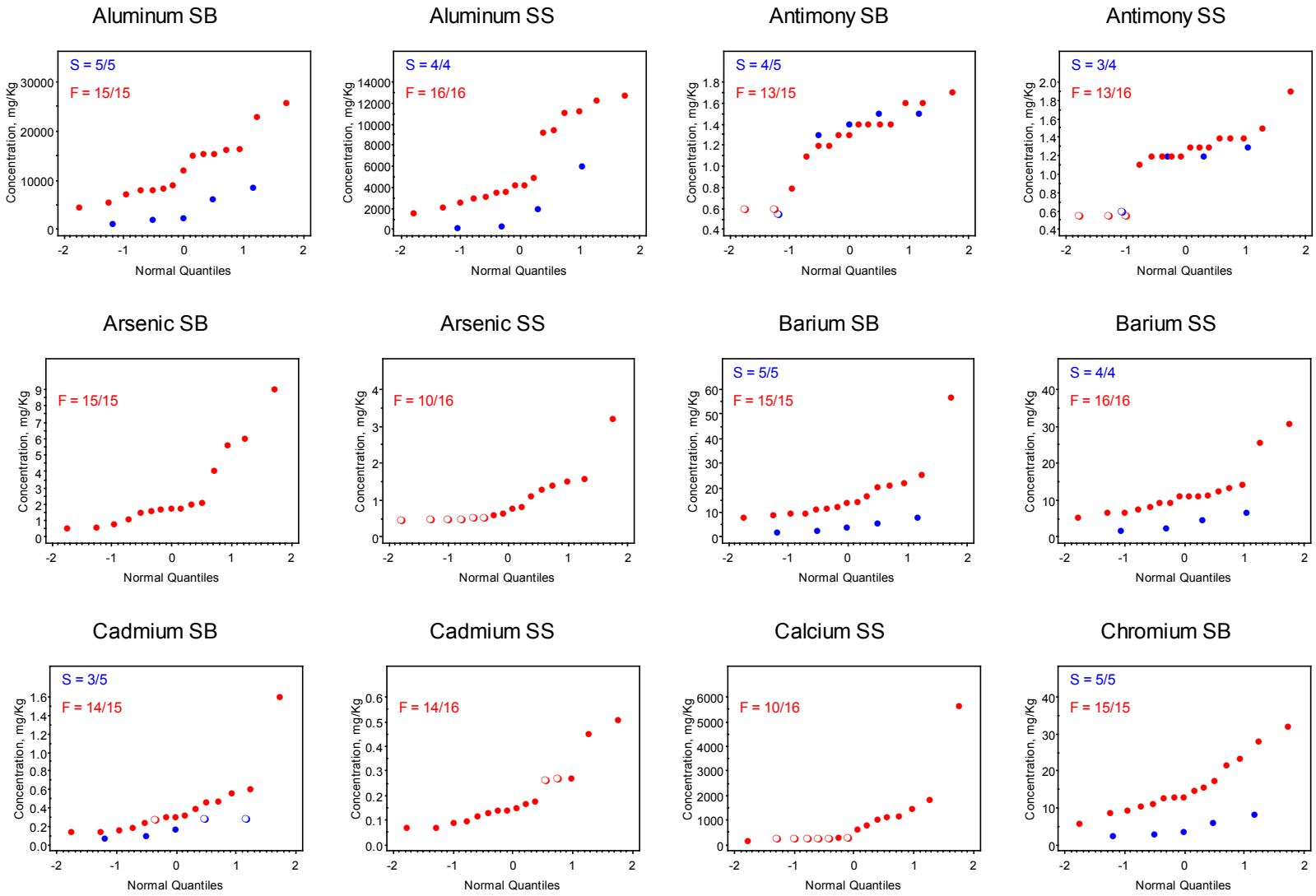
SS – Surface Soil, SB – Subsurface Soil, S – Sand, F- Soil with Fines

Figure C-2: Box and Whisker Plots for Constituents in Undeveloped Areas with at Least 50% Detects



SS – Surface Soil, SB – Subsurface Soil, S – Sand, F- Soil with Fines

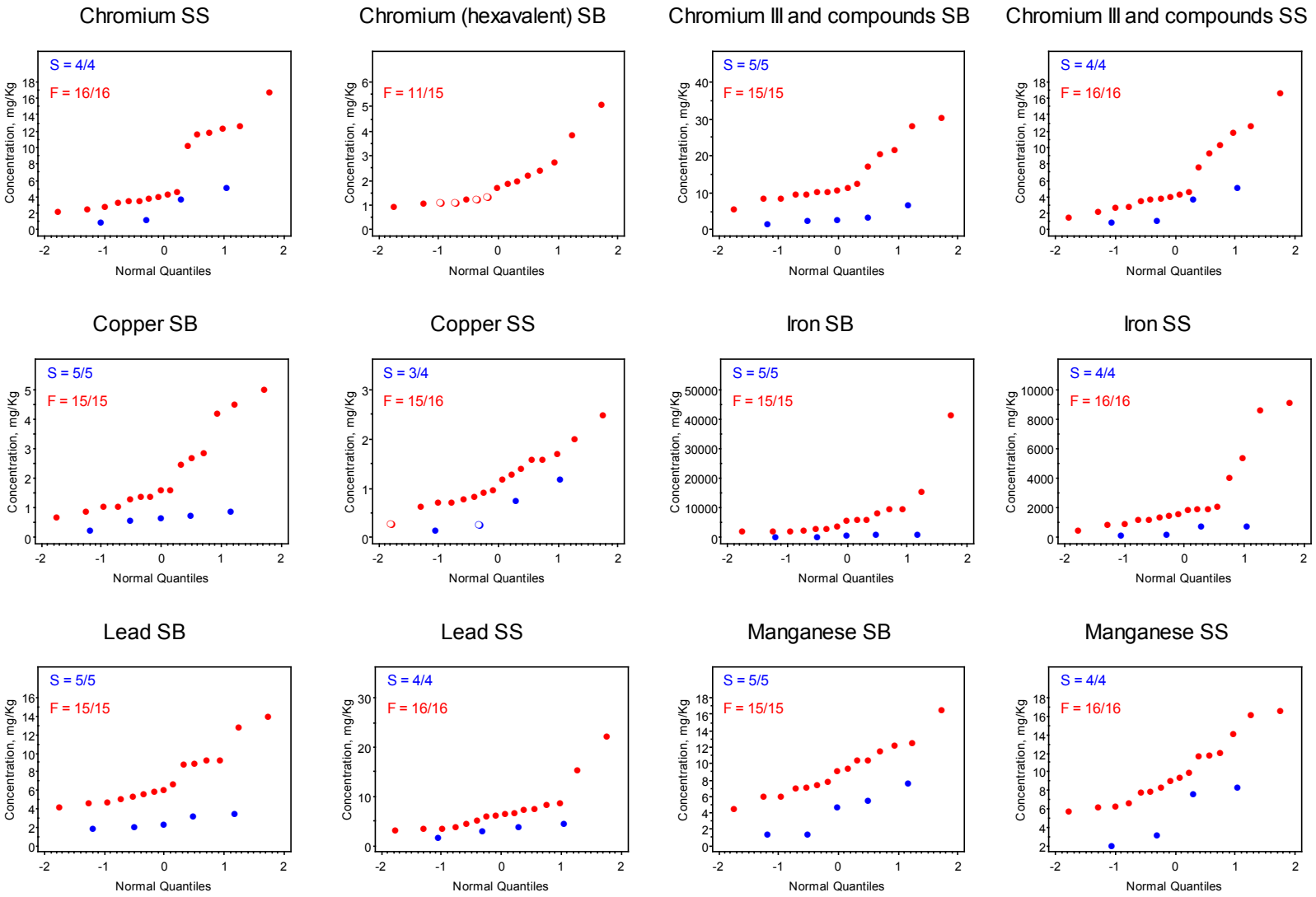
Figure C-3: Probability Plot Comparisons (S Versus F) for Constituents in Developed Areas with at Least 50% Detects



Open Symbol Represents Nondetected Value (1/2 DL); Closed Symbol Represents Detected Value

SS – Surface Soil, SB – Subsurface Soil, S – Sand, F- Soil with Fines

Figure C-3: Probability Plot Comparisons (S Versus F) for Constituents in Developed Areas with at Least 50% Detects



Open Symbol Represents Nondetected Value (1/2 DL); Closed Symbol Represents Detected Value

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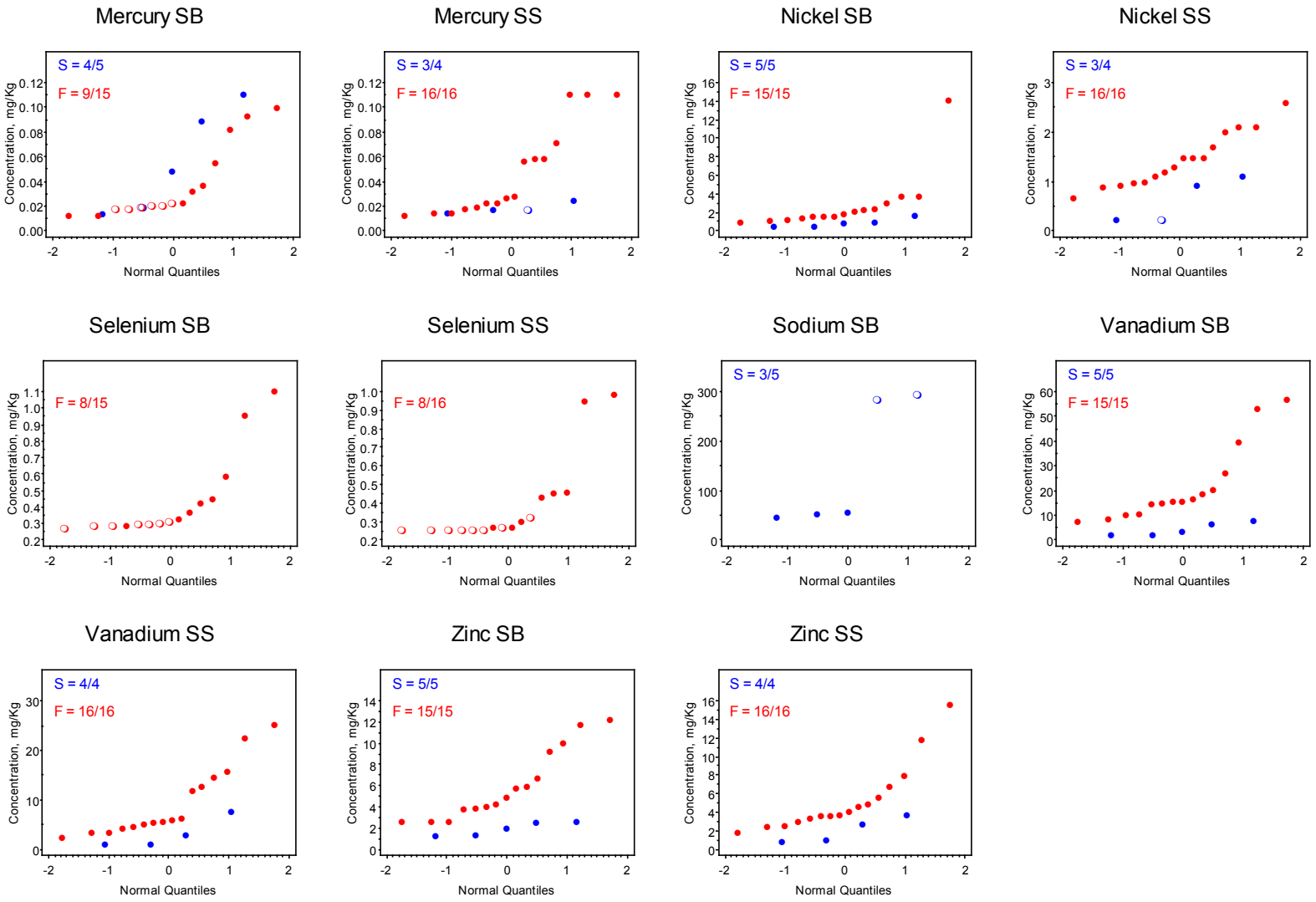
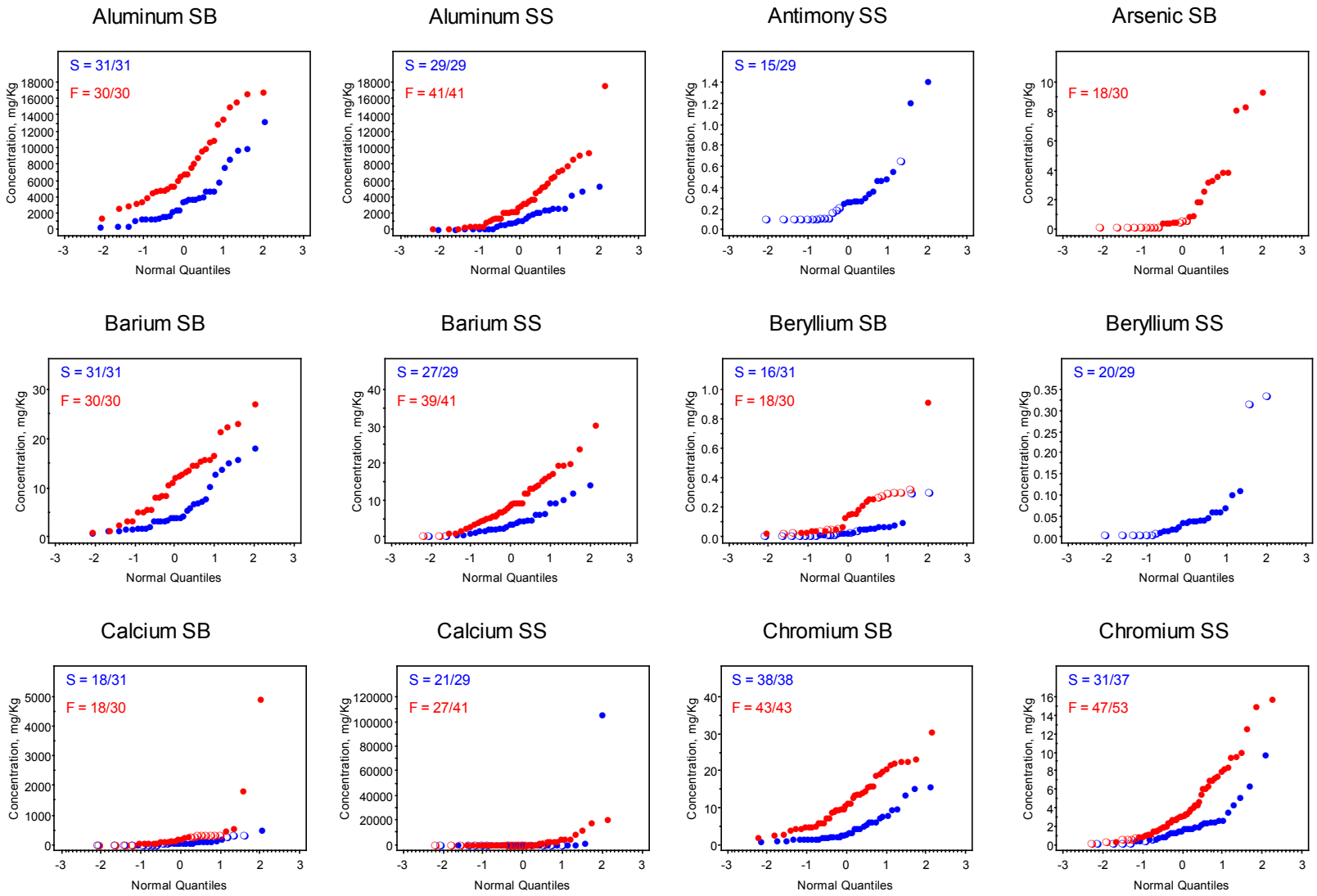
Figure C-3: Probability Plot Comparisons (S Versus F) for Constituents in Developed Areas with at Least 50% Detects



Open Symbol Represents Nondetected Value (1/2 DL); Closed Symbol Represents Detected Value

SS – Surface Soil, SB – Subsurface Soil, S – Sand, F- Soil with Fines

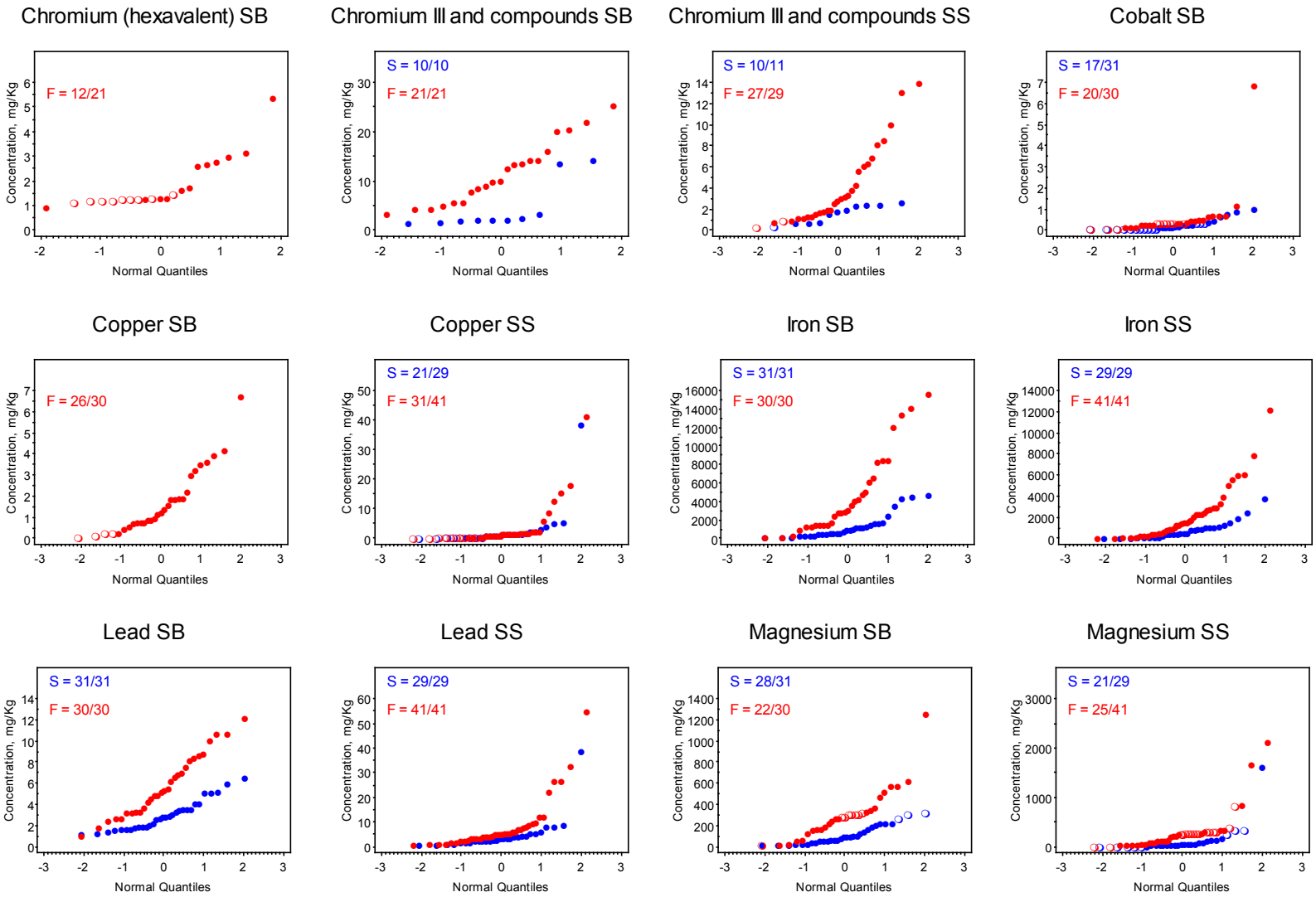
Figure C-4: Probability Plot Comparisons (S Versus F) for Constituents in Undeveloped Areas with at Least 50% Detects



Open Symbol Represents Nondetected Value (1/2 DL); Closed Symbol Represents Detected Value

SS – Surface Soil, SB – Subsurface Soil, S – Sand, F- Soil with Fines

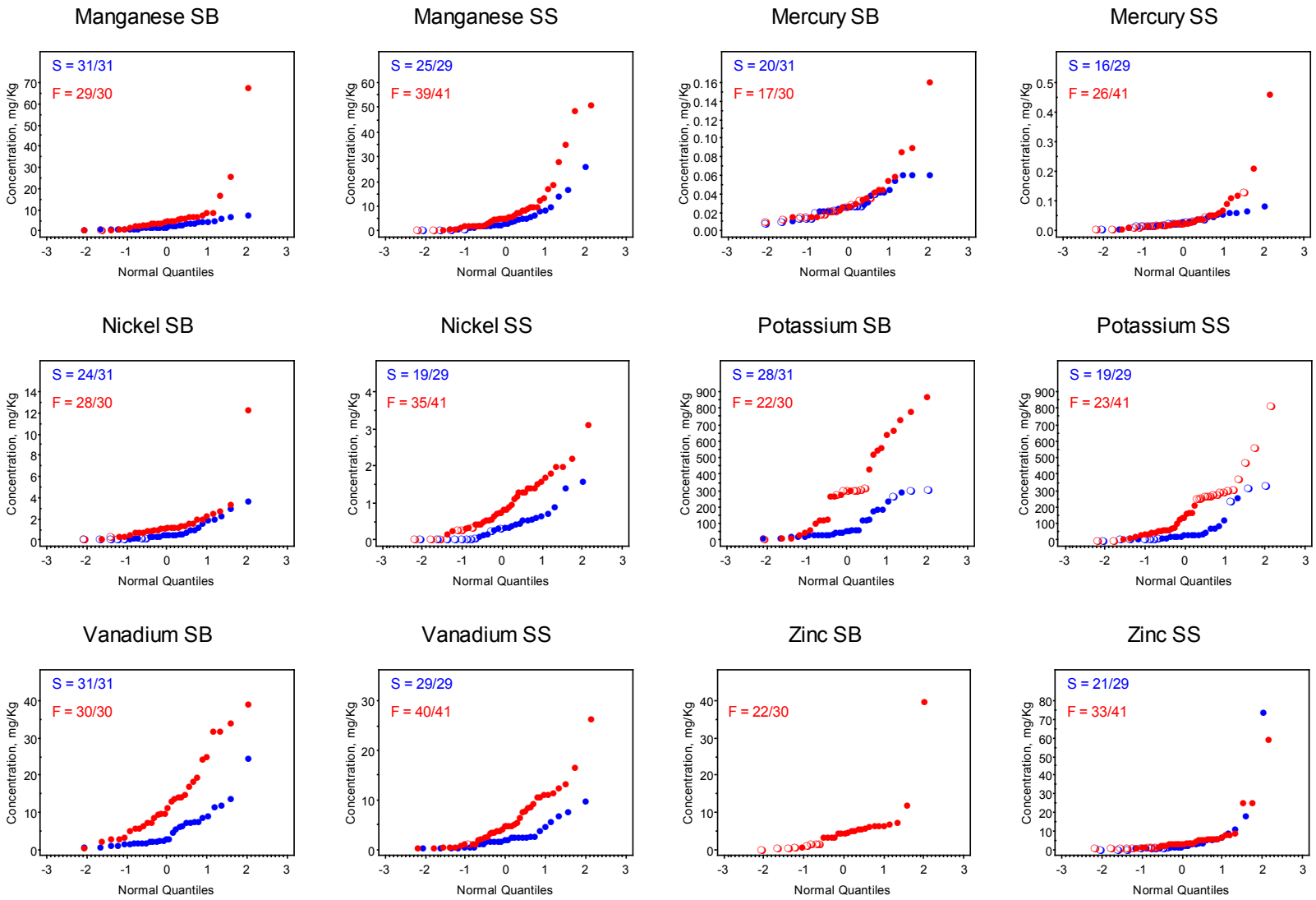
Figure C-4: Probability Plot Comparisons (S Versus F) for Constituents in Undeveloped Areas with at Least 50% Detects



Open Symbol Represents Nondetected Value (1/2 DL); Closed Symbol Represents Detected Value

SS – Surface Soil, SB – Subsurface Soil, S – Sand, F- Soil with Fines

Figure C-4: Probability Plot Comparisons (S Versus F) for Constituents in Undeveloped Areas with at Least 50% Detects



Open Symbol Represents Nondetected Value (1/2 DL); Closed Symbol Represents Detected Value

SS – Surface Soil, SB – Subsurface Soil, S – Sand, F- Soil with Fines

Appendix D
Response to Comments on the Draft Expanded Soil Background Study Report

Response to Comments
Draft Expanded Soil Background Study Report
Marine Corps Base Camp Lejeune, North Carolina

PREPARED FOR: Charity Rychak, MCB CamLej
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PREPARED BY: CH2M HILL

DATE: August 2, 2011

Introduction

The purpose of this document is to address comments on the Draft Expanded Soil Background Study Report for Marine Corps Base Camp Lejeune. The North Carolina Department of Environment and Natural Resources (NCDENR) Superfund Section provided the comments listed below. Responses to comments are provided in bold.

NCDENR Comments (dated May 2, 2011)

1. Section 6.1 on page 6-1, Section 6.2 on page 6-1, and Section 6.3 on page 6-2 states that no further consideration will be given to metals that do not exceed the Background Threshold Value (BTV), even though the BTV may exceed the health risk concentration. This information should be provided to the Base for future notification to construction projects on base that are planned in areas of potentially toxic naturally occurring inorganics in the soil. As stated in the report no action is required by the Base IR program but the base should take the health risk issue into consideration during future construction projects. It is typical to see a phase I environmental investigation before construction at many projects.

   This report will be available to anyone at the Base (if needed).

2. As you know, PAH's and Pesticides as listed in Tables 6-1 through 6-12 are not naturally occurring elements and therefore cannot be used exclusively to justify No Further Action (NFA) at any on-Base Sites. Proof that PAHs or Pesticides are from an off-Base source would be required. Construction projects in areas that have PAH or pesticide concentrations that exceed human health concentrations should take these facts into consideration. Exposure to these PAHs or pesticides could be toxic to future occupants.

   Agreed, multiple lines of evidence will be evaluated in establishing PAHs and pesticides cleanup levels. As mentioned in the response to comment 1, this report will be available to anyone at the Base (if needed).

3. Please clarify in the text of the report, why the BTV for Chromium III, Barium, and other inorganics in Tables 6-1 through 6-12 are calculated or otherwise determined to be acceptable background concentrations at levels greater than the maximum detected naturally occurring value.

   The text of the report will be revised to explain that based upon the sample size, variability, and distributional choice, UTLs sometimes exceed the maximum detected concentration. One reason for this is that the UTL is an estimate of a target of the 95th percentile (with 95 percent confidence) of the background population, and a small percentage of background results from the overall background population are expected to exceed the calculated UTL. Whether such occurrences are captured in the background data is something that fluctuates from case to case (and is related to the number of background sample results).

USEPA Comments (dated July 21, 2011)

EPA has completed its review of the Draft Expanded Soil Background Study Report, dated May 2011 and has no additional comments. The document can be finalized.